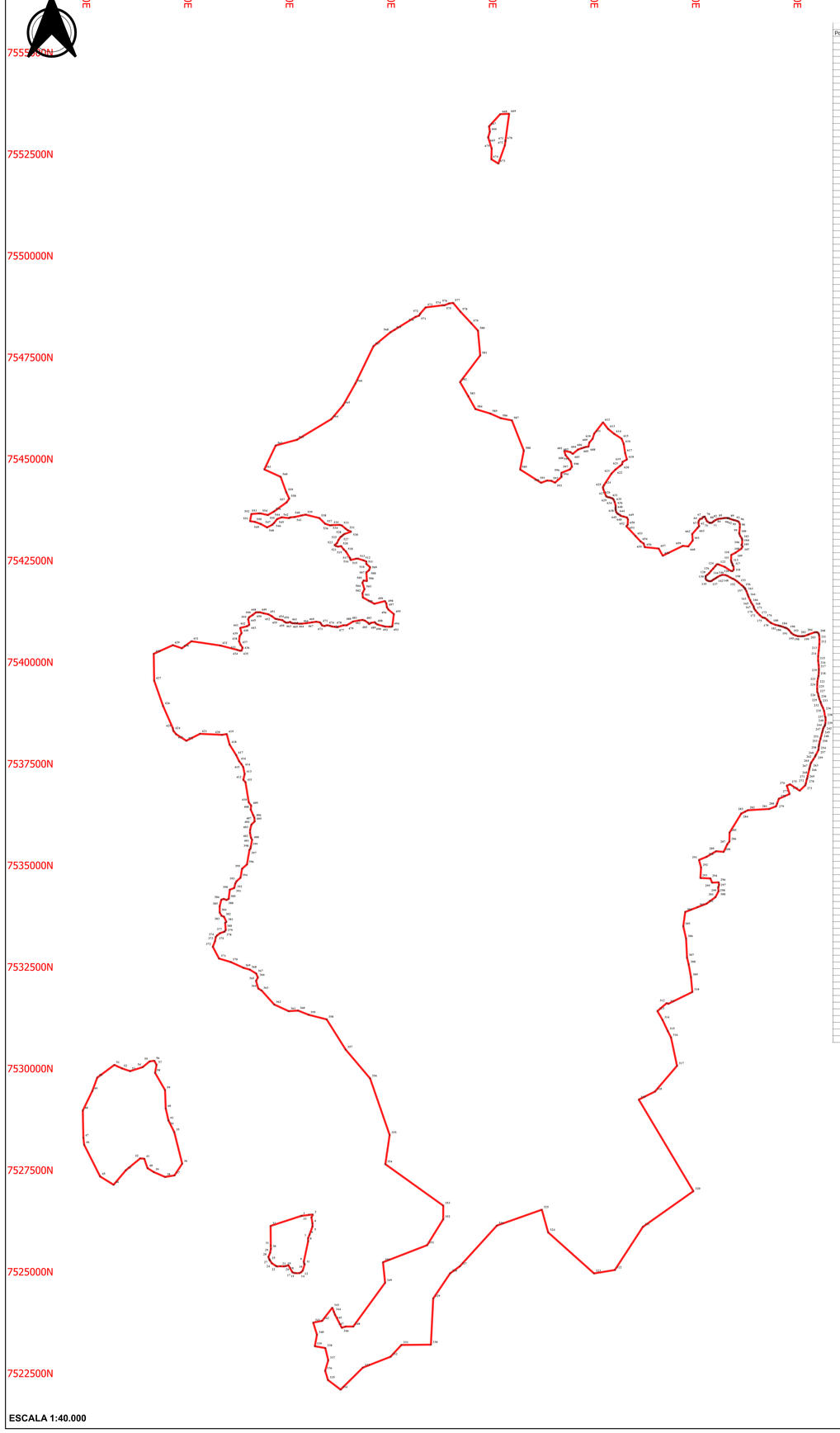

Quadro de coordenadas

Ponto inicial	Ponto final	Coordenadas X (Leste)	Coordenadas Y (Sul)	Distância	Azimute
1	2	400099.762	7526372.356	282.73	167.6200957
2	3	400380.592	7526405.069	78.79	234.7415369
3	4	400345.896	7526334.329	153.45	98.28005871
4	5	400371.399	7526183.015	69.72	264.9083126
5	6	400372.149	7526113.301	218.26	279.5794334
6	7	400298.305	7525907.91	96.83	290.784241
7	8	400262.417	7525817.972	69.70	100.361054
8	9	400263.671	7525748.284	517.39	275.411636
9	10	400117.384	7525241.925	46.30	90.5447124
10	11	400166.001	7525196.433	18.78	63.6934512
11	12	400187.538	7525182.453	164.70	257.4662453
12	13	400130.878	7525024.798	57.45	300.111118
13	14	400091.403	7524983.057	48.81	324.1073811
14	15	400047.224	7524962.287	80.46	347.5388743
15	16	399966.78	7524962.659	47.41	2.37237142
16	17	399919.519	7524966.362	48.47	13.7035051
17	18	399874.915	7524985.319	198.40	41.73093098
18	19	399777.025	7525173.228	88.85	70.94 200.8480072
19	20	399709.85	7525135.098	45.76	346.7533291
20	21	399664.504	7525128.924	81.49	357.2711792
21	22	399583.082	7525132.188	85.03	179.7732804
22	23	399498.148	7525128.11	30.81	10.48416412
23	24	399469.944	7525140.5	72.22	28.5287218
24	25	399368.622	7525207.053	78.21	45.11718126
25	26	399325.954	7525272.594	19.97	236.8611165
26	27	399315.01	7525289.304	20.60	61.4071468
27	28	399306.64	7525308.126	55.64	67.0916026
28	29	399285.85	7525359.773	113.56	90.3350257
29	30	399329.486	7525464.657	95.25	286.1790789
30	31	399345.724	7525558.509	83.04	274.2513081
31	32	399343.821	7525641.531	482.37	89.1338404
32	33	399340.29	7526123.893	3615.26	125.732527
33	34	398825.887	7528721.555	324.94	70.4534565
34	35	399669.717	7528430.181	797.61	249.8024906
35	36	397164.304	7528475.115	345.63	279.5738809
36	37	396974.723	7527367.698	233.98	326.8822298
37	38	396843.162	7527329.055	90.01	6.93667782
38	39	396853.192	7527450.441	179.35	27.7385955
39	40	396311.23	7527545.743	244.74	51.5215611
40	41	396231.326	7527777.072	99.94	217.8961199
41	42	396131.74	7527785.518	460.60	162.6764604
42	43	395776.302	7527492.572	465.41	135.3140425
43	44	395476.38	7527136.692	390.82	350.897132
44	45	395143.766	7527341.888	871.30	47.4770621
45	46	394752.014	7528120.162	172.05	350.8396796
46	47	394732.216	7528291.063	672.65	86.0870898
47	48	394718.025	7528963.562	535.67	102.385123
48	49	394952.673	7529445.108	350.83	293.1684471
49	50	395074.028	7529774.028	92.99	126.6862969
50	51	395484.67	7530085.742	20.28	173.9064616
51	52	395681.616	7530000.946	211.78	21.59045486
52	53	395882.11	7529932.759	325.05	0.5343765
53	54	396191.753	7530031.656	221.06	331.4884098
54	55	396362.701	7530171.703	115.89	156.1013386
55	56	396477.413	7530188.807	115.31	206.4022742
56	57	396532.802	7530087.67	199.98	260.7883398
57	58	396497.097	7529890.9	489.94	80.1546296
58	59	396741.436	7529467.275	454.50	253.8714053
59	60	396759.53	7529013.131	1942.42	359.6489209
60	61	409886.381	7543342.154	86.24	284.8696091
61	62	409667.84	7543426.397	48.56	90.0914245
62	63	409878.475	7543473.798	57.77	113.4150151
63	64	409911.029	7543521.521	42.55	147.9718798
64	65	409934.72	7543527.704	39.62	329.105833
65	66	409976.724	7543559.525	26.60	137.7520808
66	67	409999.513	7543573.25	70.54	148.7377536
67	68	410019.084	7543576.617	7.76	189.5831587
68	69	410025.877	7543572.863	49.49	226.1454854
69	70	410048.067	7543528.622	57.63	244.3154147
70	71	410072.179	7543476.276	30.33	56.05319598
71	72	410092.923	7543454.106	54.13	68.5502038
72	73	410139.671	7543426.861	7.23	14.3211159
73	74	410146.897	7543427.067	19.95	185.2712268
74	75	410166.401	7543422.855	29.29	2.9239913
75	76	410195.508	7543426.089	35.36	341.230513
76	77	410225.754	7543444.406	29.10	322.9811486
77	78	410247.094	7543464.194	50.62	142.6233925
78	79	410290.062	7543450.554	53.64	149.7345726
79	80	410337.153	7543516.646	37.15	159.4892284
80	81	410373.631	7543524.626	48.21	170.4844654
81	82	410421.32	7543530.189	42.26	173.6495407
82	83	410463.338	7543534.661	39.63	352.0686931
83	84	410502.988	7543541.397	17.82	171.2409898
84	85	410520.045	7543543.794	51.63	178.0540195
85	86	410571.676	7543543.94	16.77	183.2088222
86	87	410588.331	7543542.019	31.20	189.5844707
87	88	410618.779	7543535.219	38.44	197.1760097
88	89	410654.475	7543520.969	53.90	20.3723681
89	90	410705.442	7543503.437	33.30	18.63833358
90	91	410737.06	7543492.983	23.99	12.61092646
91	92	410760.873	7543490.09	48.35	192.7476316
92	93	410806.705	7543474.695	34.53	18.3657835
93	94	410839.533	7543463.931	28.62	206.3014013
94	95	410863.117	7543447.745	60.26	229.9139
95	96	410888.214	7543392.957	77.98	257.7439971
96	97	410888.08	7543314.976	138.64	272.9182416
97	98	410874.219	7543177.026	23.95	88.8039902
98	99	410877.606	7543153.315	54.54	75.4120026
99	100	410897.19	7543102.417	60.50	62.2488329
100	101	410931.423	7543052.528	26.82	240.9879921
101	102	410942.144	7543027.949	30.75	251.6154164
102	103	410949.166	7542998.016	99.67	265.3663402
103	104	410942.527	7542898.583	24.25	292.7819232
104	105	410926.219	7542880.459	48.17	91.89028376
105	106	410955.778	7542842.419	61.24	265.5290513
106	107	410926.176	7542788.811	176.33	312.0764265
107	108	410781.299	7542888.291	117.43	328.9479183
108	109	410676.997	7542634.341	132.83	122.2016829
109	110	410672.932	7542501.575	37.59	84.79611828
110	111	410680.851	7542464.63	22.74	72.1114629
111	112	410689.959	7542443.997	31.29	65.24700374
112	113	410703.623	7542415.846	26.68	249.045218
113	114	410710.984	7542390.206	13.67	260.127868
114	115	410711.872	7542376.568	31.32	65.4765506
115	116	410734.141	7542354.547	81.41	246.3395021
116	117	410736.981	7542273.189	49.54	289.055497
117	118	410705.061	7542235.297	36.52	339.6124486
118	119	410669.003	7542241.082	179.61	21.20053915
119	120	410518.864	7542339.653	164.05	207.5493426
120	121	410366.556	7542400.61	40.36	194.9204579
121	122	410326.587	7542406.248	56.55	159.8961058
122	123	410288.92	7542364.066	87.02	131.3335862
123	124	410231.941	7542298.295	80.35	311.7183406
124	125	410177.624	7542239.088	70.58	131.1523546
125	126	410132.473	7542184.842	58.60	314.2453812
126	127	410088.439	7542146.183	50.78	319.8822985
127	128	410048.952	7542114.259	9.82	119.7508288
128	129	410047.509	7542104.55	25.24	94.4827079
129	130	410047.284	7542079.307	33.37	88.53235149
130	131	410049.289	7542045.999	28.62	72.49103534
131	132	410064.272	7542021.62	25.80	46.15045436
132	133	410085.69	7542007.242	33.09	28.60829148
133	134	410116.068	7541994.133	25.95	17.66349644
134	135	410141.454	7541988.744	28.04	6.39318267
135	136	410169.491	7541988.351	27.21	351.8741427
136	137	410195.501	7541996.33	35.78	331.8675678
137	138	410223.223	7542018.949	33.51	144.4408517
138	139	410251.671	7542036.661	39.66	148.7214343
139	140	410285.788	7542056.678	29.36	328.8272732
140	141	410310.773	7542072.306	37.01	326.8712535
141	142	410341.247	7542093.299	70.54	148.7377536
142	143	410403.555	7542126.376	56.55	156.2933746
143	144	410456.675	7542145.207	81.71	172.9089127
144	145	410538.24	7542137.702	50.39	193.3665308
145	146	410585.14	7542119.263	78.71	205.5916613
146	147	410653.492	7542080.244	59.22	29.35686347
147	148	410705.294	7542051.537	26.27	21.9066074
148	149	410730.684	7542044.818	52.02	203.2454981
149	150	410774.957	7542017.507	56.75	213.2428588
150	151	410821.552	7541985.106	58.03	217.6006216
151	152	410865.749	7541947.508	92.27	40.26654299
152	153	410936.278	7541898.021	46.85	38.81430972
153	154	410973.455	7541859.512	17.08	227.191009
154	155	410962.785	7541843.2	24.85	49.91619022
155	156	411000.976	7541828.276	20.83	230.2903834
156	157	411012.121	7541810.682	9.32	50.62392707
157	158	411018.868	7541804.258	19.09	232.5731987
158	159	411027.963	7541787.474	50.06	242.5401118
159	160	411050.275	7541742.656	79.30	246.3788138
160	161	411078.405	7541668.513	38.51	69.10519079
161	162	411092.214	7541632.563	35.48	249.3794492
162	163	411104.48	7541599.274	93.97	66.99927117
163	164	411145.467	7541514.71	55.86	245.3370626
164	165	411167.711	7541463.471	54.05	61.44705094
165	166	411197.65	7541418.475	57.23	237.396542
166	167	411227.61	7541369.715	27.10	250.5576613
167	168	411231.061	7541342.834	37.01	74.23059962
168	169	411246.246	7541309.082	46.07	60.7606377
169	170	411272.18	7541271.001	71.54	52.94728962
170	171	411318.019	7541216.082	87.21	47.92724289
171	172	411378.924	7541153.66	89.47	43.10994092
172	173	411446.942	7541095.536	32.24	25.13768905
173	174	411478.716	7541090.07	30.29	192.561564
174	175	411507.928	7541082.044	59.12	206.6018263
175	176	411554.615	7541045.777	30.67	221.8585047
176	177	411575.571	7541023.758	8.25	42.0926572
177	178	411641.503	7540971.989	28.61	35.65323
178	179	411665.501	7540956.405	105.34	28.11821258
179	180	411762.299	7540914.841	65.80	17.7540195
180	181	411826.591	7540900.858	29.41	195.4167004
181	182	411854.471	7540891.496	27.26	14.97747967
182	183	411881.194	7540886.111	24.97	193.5093874
183	184	411905.245	7540879.384	51.94	196.7162173
184	185	411954.701	7540863.5	47.30	200.31705
185	186	411998.297	7540845.149	13.99	12.48427777
186	187	412012.238	7540844.626	35.34	194.3159149
187	188	412043.904	7540828.864	40.71	210.6295554
188	189	412077.187	7540805.414	40.07	219.9821682
189	190	412105.619	7540777.182	62.53	228.1481577
190	191	412144.543	7540728.249	29.15	49.57211098
191	192	412164.18	7540706.71	58.19	141.7600478
192	193	412211.529	7540672.61	56.73	28.11767352
193	194	412264.516	7540652.81	51.98	19.14423221
194	195	412313.972	7540636.878	31.99	11.57995264
195	196	412345.653	7540633.957	53.50	2.99136046
196	197	412399.325	7540633.261	34.37	230.7300688
197	198	412423.532	7540633.1	26.81	176.9692951
198	199	412450.322	7540636.426	27.79	355.138493
199	200	412477.855	7540640.17	44.84	356.5064826
200	201	412562.302	7540642.648	27.65	337.3366927
201	202	412587.137	7540681.806	144.29	157.4584668
202	203	412723.569	7540726.739	28.91	166.2032754
203	204	412752.158	7540733.098	26.70	176.0196604
204	205	412778.852	7540732.805	25.53	186.101338
205	206	412803.859	7540727.675	31.19	210.2504146
206	207	412824.358	7540704.166	27.95	237.6793162
207	208	412835.329	7540679.546	34.94	252.1033923
208	209	412842.722	7540645.376	86.92	262.1587568
209	210	412847.948	7540558.615	225.77	268.6538622
210	211	412846.356	7540437.72	155.65	273.1744244
211	212	412831.162	7540282.812	140.98	275.6659319
212	213	412817.088	7540142.538	114.31	93.03489496
213	214	412816.425	7540028.227	109.46	88.7454441
214	215	412829.465	7539919.543	88.08	265.2793013
215	216	412833.46	7539831.558	35.38	269.016602
216	217	412833.065	7539796.18	61.05	277.1113111
217	218	412831.363	7539735.149	64.23	275.0253316
218	219	412826.319	7539671.112	25.32	276.0260315
219	220	412822.993	7539646.012	52.21	280.5223354
220	221	412810.807	7539595.242	78.96	101.5996739
221	222	412797.499	7539514.408	68.85	340.5502038
222	223	412794.071	7539448.643	113.12	91.79098941
223	224	412796.193	7539335.537	71.31	89.39512958
224	225	412795.037	7539264.267	49.39	76.23651508
225	226	412816.373	7539219.726	54.86	253.4068125
226	227	412823.619	7539165.31	27.48	76.70852675
227	228	412833.104	7539139.561	54.23	252.8643727
228	229	412845.857	7539088.71	61.17	72.1329719
229	230	412868.471	7539031.873	23.83	67.58855949
230	231	412877.83	7539009.958	25.04	251.0866613
231	232	412884.251	7538985.751	61.22	72.16450007
232	233	412906.005	7538928.529	61.45	65.97299446
233	234	412934.133	7538873.889	84.91	246.4219398
234	235	412963.058	7538794.061	140.51	255.2818184
235	236	412986.296	7538655.481	24.48	71.28889942
236	237	412997.751	7538633.848	59.79	255.3454302
237	238	412999.218	7538574.077	80.77	271.3455146
238	239	412993.448	7538493.517	38.09	278.1562744
239	240	412985.389	7538456.29	15.33	282.3086508
240	241	412982.095	7538441.314	26.57	289.361058
241	242	412970.313	7538417.495	39.57	299.7564908
242	243	412948.652	7538384.385	39.47	116.9136617
243	244	412934.741	7538347.443	35.21	105.0738773
244	245	412928.921	7538312.713	31.27	282.2035119
245	246	412920.884	7538282.495	33.86	286.9715399
246	247	412909.833	7538256.488	63.08	106.3775909
247	248	412894.886	7538189.202	59.42	285.1430446
248	249	412877.931	7538132.254	31.21	104.0348592
249	250	412871.713	7538101.665	61.68	284.502985
250	251	412853.148	7538042.842	51.72	103.6463248
251	252	412844.365	7537991.87	31.21	280.6329081
252	253	412838.148	7537961.282	24.28	98.75186092
253	254	412835.604	7537937.135	27.31	260.238188
254	255	412828.782	7537910.686	56.33	98.19072115
255	256	412826.896	7537854.392	26.50	279.2761501
256	257	412819.31	7537828.999	121.29	291.6719833
257	258	412784.79	7537720.649	25.74	299.690162
258	259	412750.897	7537698.984	28.60	116.7330398
259	260	412740.743	7537672.248	80.04	296.6913397
260	261	412697.638	7537604.811	88.27	303.0351725
261	262	412648.939	7537531.19	29.11	121.0839722
262	263	412634.966	7537505.65	53.11	112.6403648
263	264	412619.795	7537454.753	35.34	104.0574409
264	265	412612.739	7537420.127	41.14	285.056926
265	266	412599.62	7537381.134	26.40	102.0441926
266	267	412597.093	7537354.851	171.51	279.6723214
267	268	412556.03	7537188.331	51.63	101.8904492
268	269	412547.146	7537137.469	26.75	287.5716645
269	270	412535.741	7537113.272	103.15	108.9502085
270	271	412513.124	7537012.628	47.03	283.9745477
271	272	412500.726	7536967.26	192.23	300.7233499
272	273	412362.067	7536834.119	284.82	354.7479172
273	274	412124.101	7536990.627	85.21	185.2361492
274	275	412045.582	7536957.523	216.15	114.4131362
275	276	412113.5	7536752.32	288.23	293.9881838
276	277	411849.596	7536636.418	123.51	133.2958712
277	278	411806.743	7536520.584	75.18	110.3025811
278	279	411780.657	7536450.071	183.74	314.5930494
279	280	411609.264	7536383.877	520.68	347.7845704
280	281	411089.464	7536353.77	81.80	165.0908131
281	282	411016.262	7536331.267	103.60	153.4966349
282	283	410923.553	7536271.037	551.43	137.4670837
283	284	410635.946	7535800.555	216.42	106.1869501
284	285	410632.409	7535584.16	87.85	289.0122841
285	286	410579.433	7535514.083	34.85	341.0755385
286	287	410545.78	7535523.14	122.76	16.74543159
287	288	410429.316	7535561.946	44.94	191.5610816
288	289	410384.526	7535565.624	31.53	168.5159909
289	290	410356.6	7535550.99	128.82	150.3253279
290	291	410246.988	7535483.309	62.66	141.5454668
291	292	410222.606	7535438.883	136.14	324.4897276
292	293	410080.306	7535379.497	175.80	335.0096685
293	294	409915.851	7535307.664	101.19	139.6414742
294	295	409864.145	7535223.182	289.13	99.73213006
295	296	409633.778	7534942.565	258.61	264.668951
296	297	409519.009	7534684.378	244.93	47.72294361
297	298	410163.759	7534675.095	111.60	215.247339
298	299	410204.981	7534571.39	163.05	32.86930408
299	300	410367.864	7534578.74	62.26	219.5335422
300	301	410376.904	7534517.143	63.91	274.2712833
301	302	410358.335	7534455.992	3.04	314.3867218
302	303	410355.449	7534455.048	93.49	122.9834838
303	304	410365.083	7534362.055	164.63	280.6781476
304	305	410289.648	7534215.722	271.36	310.3604662
305	306	410071.656	7534054.12	239.07	331.0853209
306	307	409848.886	7533967.359	327.48	138.6756233
307	308	409543.92	7533848.031	351.83	128.1684988
308	309	409496.739	7533499.382	315.94	87.52712969
309	310	409565.941	7533191.117	44.87	262.2425756
310	311	409589.156	7533226.624	172.95	81.15238463
311	312	409629.919	7533558.75	317.68	258.1163781
312	313	409585.818	7533246.023	367.42	262.277117
313	314	409719.829	7531880.178	658.71	299.2788459
314	315	409128.449	7531590.062	43.68	356.9639016
315	316	409087.395	7531604.981	299.03	169.6644209
316	317	408860.461	7531410.31	250.25	99.6424206
317	318	408985.892	7531193.651	305.78	24.5503538
318	319	409116.219	7530917.035	174.85	64.00260863
319	320	409194.964	7530760.926	712.23	250.6254746
320	321	409342.822	7530064.211	834.41	284.2990463
321	322	409600.034	7529430.475	444.75	322.0943138
322	323	409801.438	7529232.787	2623.71	106.4006161
323	324	409745.394	7526979.303	1520.92	281.9727798
324	325	408403.1	7526701.583	1266.22	133.9509326
325	326	407812.58	7525040.347	519.04	326.8270896
326	327	407300.52	7524955.535	1515.63	16.19630269
327	328	406170.606	7525965.696	578.54	58.12836627
328	329	406015.605	7526523.081	1172.00	207.5083794
329	330	406491.01	7527632.964	1355.81	146.4439841
330	331	403997.425	7525130.653	293.49	318.2061949
331	332	403769.742	7524958.492	747.78	134.002852
332	333	403342.403	7524337.999	1137.23	108.4027795
333	334	403265.25	7523202.205	725.09	316.1443109
334	335	402560.188	7523195.723	394.78	156.1060912
335	336	402262.243	7522905.707	732.51	328.6321818
336	337	401610.618	7522637.72	770.29	146.9274936
337	338	401062.957	7522096.044	390.72	356.2943297
338	339	401072.545	7521702.537	28.82	55.2682142
339	340	400683.497	7521561.442	268.74	89.74084843
340	341	400758.3	7521819.538	308.08	271.3113611
341	342	400686.175	7523119.078	261.45	223.1386421
342	343	400428.557	7523193.652	299.13	55.137158
343	344	400481.037	7523447.975	310.50	266.6208124
344	345	400389.134	7523744.567	223.66	120.6841495
345	346	400608.372	7523878.935	410.27	328.137236
346	347	400859.72	7524113.093	546.61	186.3027018
347	348	401092.244	7524368.405	56.59	23.45576414
348	349	401184.147	7524368.112	189.78	171.0435234
349	350	401373.929	7524368.112	1333.05	333.0114069
350	351	402157.906	7524726.26	506.35	285.0769233
351	352	402106.13	7525229.956	1166.17	121.4810225
352	353	401693.605	7526331.749	750.02	329.9384674
353	354	401588.676	7526288.617	334.22	285.8929613
354	355	401568.676	7526622.838	1752.24	242.6122574
355	356	402164.122	7527643.64	725.95	67.00122168
356	357	402269.895	7528361.845	1471.64	264.6589539
357	358	401789.319	7529732.904	501.50	240.5310509
358	359	401187.11	7530463.46	877.99	53.76496517
359	360	400319.35	7531206.49	455.30	216.0021024
360	361	400278.15	7531318.906	281.76	17.98178146
361	362	400016.267	7531422.937	228.88	198.9900374
362	363	399787.917	7531407.812	394.36	10.38857087
363	364	399429.257	7531571.763	46.99	36.27912305
364	365	399417.604	7531917.793	93.38	219.0716933
365	366	399036.858	7531964.695	195.35	52.00216159
366	367	398982.552	7532152.58	56.19	15.53622551
367	368	399026.535	7532237.87	106.17	271.9515162
368	369	398994.505	7532335.368	187.21	229.0046025
369	370	398824.59	7532432.714	155.11	203.3742327
370	371	398675.058	7532473.951	345.03	19.97421881
371	372	398361.167	7532477.224	302.71	200.4470961
372	373	398071.02	7532703.498	328.42	39.3637126
373	374	397917.972	7532994.124	148.83	86.9481262
374	375	397972.88	7533132.307	101.10	285.7236551
375	376	397990.011	7533231.944	51.15	114.4192655
376	377	398022.284	7533271.624	92.66	136.6723402
377	378	398096.306	7533327.36	95.89	152.100259
378	379	398187.083	7533358.263	25.10	340.263032
379	380	398210.566	7533367.125	45.93	321.0959194
380	381	398235.485	7533405.101	177.99	284.1770058
381	382	398221.489	7533583.137	36.43	115.6016206
382	383	398251.585	7533603.656	143.54	339.4355559
383	384	398196.276	7533733.917	63.49	222.6195989
384	385	398131.648	7533755.718	93.93	40.94226624
385	386	398087.263	7533838.501	150.18	75.7303519
386	387	398086.369	7533988.677	167.61	96.87413403
387	388	398129.199	7534151.237	63.23	133.33718
388	389	398187.531	7534170.173	71.94	181.7846324
389	390	398254.694	7534144.4	60.78	356.7889949
390	391	398308.648	7534152.187	225.63	200.4396401
391	392	398334.955	7534396.476	118.82	127.4692298
392	393	398445.31	7534440.519	112.74	310.843971
393	394	398477.524	7534550.174	61.41	111.0258591
394	395	398500.98	7534604.063	132.38	128.3065938
395	396	398599.281	7534692.721	223.22	298.9322039
396	397	398637.704	7534912.609	161.56	119.147003
397	398	398758.489	7535019.911	363.97	299.0733283
398	399	398820.214	7535378.608	41.16	113.9992
399	400	398845.689	7535410.941	45.84	293.3498936
400	401	398852.436	7535456.27	171.27	99.60187943
401	402	398884.348	7535624.546	61.36	282.100259
402	403	398856.935	7535679.437	116.19	70.77678441
403	404	398832.959	7535