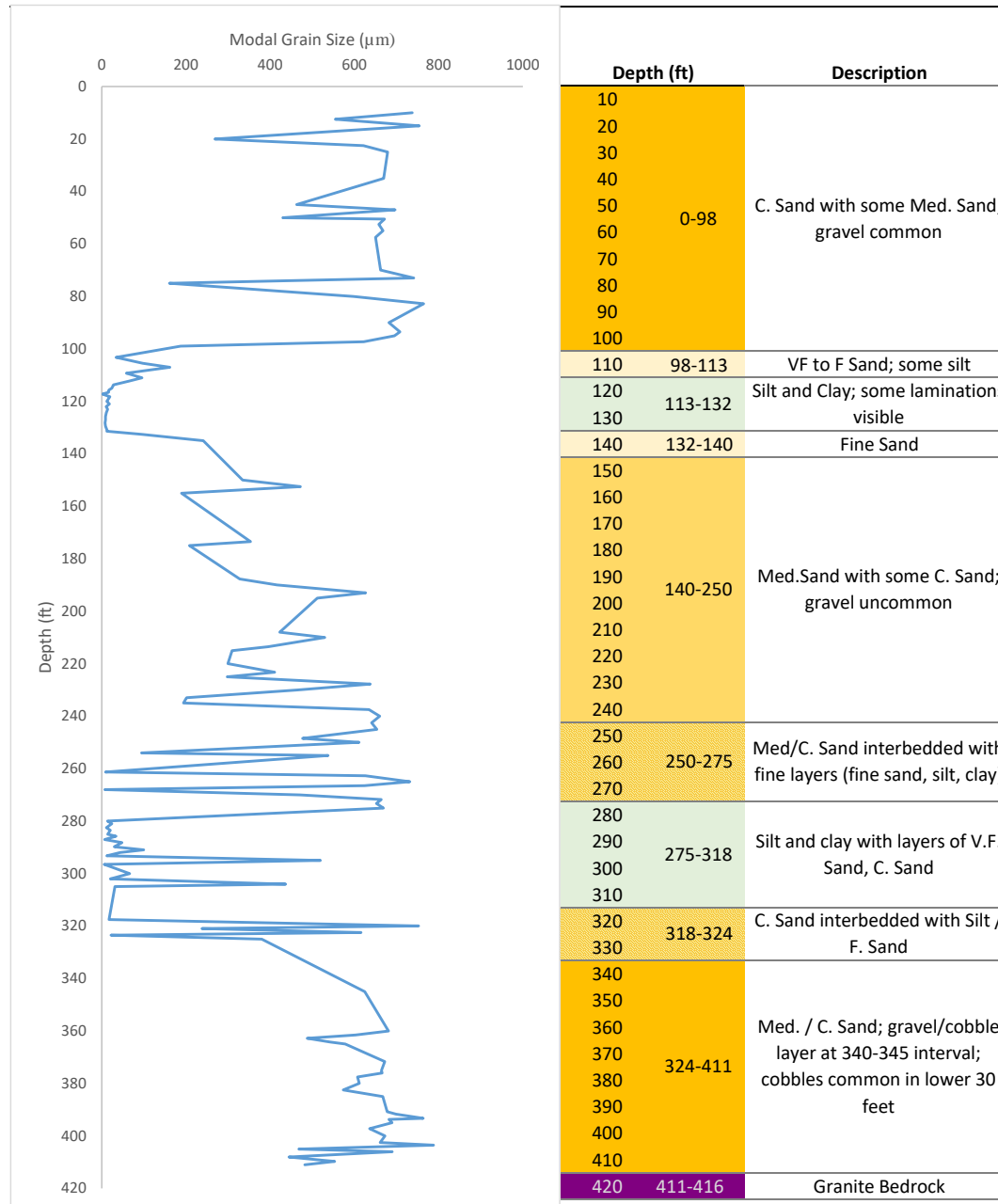


18-390	PSNT-14	0-5	3	39-44	44	5.55	12.386	203.824	450.706	260.352	0.628795	7.021023	22.948379	16.556151	7.707642	29.866986	31.944437	6.730961	0.172799
18-391	PSNT-14	0-5	4.5	57-62	62	3.53	241.551	511.123	888.922	571.914	0.008277	1.124369	3.746532	2.630441	0.382468	6.751912	37.434198	47.773246	3.903365
18-392	PSNT-14	0-5	5	62-67.5	67.5	2.61	153.13	323.323	625.426	330.35	0.08195	1.865437	5.591354	3.807867	1.224602	24.688313	48.277766	19.445	0.691014
18-393	PSNT-14	5-10	10	92-97.5	97.5	3.46	85.768	210.225	403.602	226.052	0.188457	2.623792	7.633124	5.197789	11.743331	42.89159	33.533537	4.00996	0
18-394	PSNT-14	10-15	12.9	58-60	60	3.73	117.5	233.359	420.537	241.22	0.113577	1.980013	5.271099	3.404663	6.346709	43.927567	39.966828	4.374219	0
18-397	PSNT-14	10-15	15	99-101	101	2.33	188.145	347.276	733.91	317.853	0.008083	0.921087	2.145952	1.232948	0.420707	22.44941	49.191483	24.100737	1.683628
18-398	PSNT-14	15-20	18.5	70-71	71	3.67	92.427	232.059	550.795	231.527	0.079012	1.611304	6.492605	4.960313	10.94257	37.158376	32.861901	11.667113	0.798423
18-399	PSNT-14	15-20	19.5	95-96	96	1.65	363.634	597.937	911.581	628.145	0	0	0	0	0	0.740994	31.413714	63.472219	4.373073
18-400	PSNT-14	15-20	20	100-105	105	2.32	211.765	426.339	790.993	444.817	0	0	0.763043	0.763043	1.099322	14.361781	45.813869	35.924822	2.037163
18-655	PSNT-15	5-10	10	38-43.5	43.5	2.43	290.616	480.816	813.8	468.749	0	0	0	0	0	4.105981	49.592165	44.064464	2.23739
18-657	PSNT-15	10-15	15	52-57.5	57.5	6.15	21.001	165.27	336.133	204.56	0.628796	5.039728	17.761391	13.350458	17.222154	39.522619	24.347569	0.51747	0
18-665	PSNT-15	15-20	20	83-85	85	1.95	179.03	469.282	860.563	545.962	0	0.629356	3.75093	3.121574	2.730054	10.946235	36.996159	42.34606	3.230562
18-668	PSNT-15	20-25	25	78-83	83	3.18	201.946	429.595	805.384	453.027	0	0.723582	3.391685	2.668103	0.890583	12.819902	44.015117	36.620784	2.261929
18-671	PSNT-15	25-30	30	75-80	80	2.82	153.03	362.821	711.918	391.139	0.040819	1.069108	4.842298	3.814009	2.485899	19.321002	45.372135	26.57158	1.366268
18-673	PSNT-15	30-35	35	30-35	35	4.43	68.783	246.802	579.473	269.912	0.172074	2.105561	9.172317	7.238831	10.446757	30.932461	34.590783	13.930173	0.755434
18-679	PSNT-15	35-40	40	75-80	80	4.86	26.545	106.668	391.467	91.928	0.133484	2.212572	30.905867	28.826779	24.653101	22.542948	16.364464	5.181887	0.218248
18-684	PSNT-15	40-45	45	90-95	95	2.08	155.795	291.593	512.422	300.352	0	0.686582	3.221422	2.53484	1.863823	32.123004	51.682553	11.088854	0.020343
18-686	PSNT-15	45-52	47	35-37	37	5.44	24.951	183.211	662.512	416.657	0.220793	2.769969	23.732037	21.18286	15.430917	19.892277	22.238103	17.278419	1.207454
18-690	PSNT-15	45-52	49.9	88-90	90	4.96	37.444	274.675	829.212	658.107	0.057646	1.497325	18.05494	16.615261	16.291932	13.941391	30.185968	2.803053	0
18-694	PSNT-15	45-52	52	123-128	128	2.71	19.108	97.664	231.133	154.379	0.362115	3.939744	34.080019	30.50239	26.590934	31.81943	7.147503	0	0
18-401	PSNT-16	0-5	4	44-49	49	2.49	172.625	422.518	839.589	498.151	0	1.086074	3.031341	1.945266	1.870953	17.228594	38.287734	36.690096	2.891282
18-402	PSNT-16	0-5	5	56-61	61	2.31	327.663	591.274	931.68	644.157	0.006878	0.455915	1.616454	1.167417	1.153676	1.511439	30.877209	59.543871	5.290473
18-403	PSNT-16	5-10	6	8-13.5	13.5	3.26	354.974	589.198	920.461	612.19	0	0.211474	0.47899	0.267516	0	0.557731	33.246568	60.911119	4.805593
18-404	PSNT-16	5-10	10	51-56	56	2.61	338.436	601.889	937.309	661.776	0	0	0.782757	0.782757	1.13561	1.219573	30.382244	60.952448	5.527367
18-405	PSNT-16	10-15	12	25-30	30	2.96	229.583	543.937	913.923	641.158	0	0.392181	3.441106	3.048925	2.275485	5.809395	32.115201	51.701586	4.657228
18-406	PSNT-16	10-15	15	57-62.5	62.5	3.53	399.085	665.43	962.04	731.364	0	0.011225	1.900688	1.889463	1.971721	0.138368	18.383888	70.832393	6.772941
18-407	PSNT-16	15-20	18	36-41	41	4.08	142.564	625.858	948.667	719.902	0	0.879439	5.679005	4.799565	3.957	0.684928	20.52585	63.116703	6.036514
18-408	PSNT-16	15-20	20	60-65.5	65.5	7.08	3.592	21.034	157.117	11.782	2.143922	27.059977	72.218932	47.302877	12.506735	7.979827	4.401814	0.748769	0
18-409	PSNT-16	20-25	21.5	22-27	27	18.03	6.596	439.137	892.235	725.835	1.038539	11.423127	31.038026	20.653438	6.5323	2.753395	13.873887	40.749582	4.01427
18-410	PSNT-16	20-25	24.25	60-65	65	2.66	63.101	189.734	385.417	202.777	1.05076	4.074485	8.940677	5.916952	15.479136	42.848158	28.23563	3.36399	0.081649
18-411	PSNT-16	20-25	25	69-74	74	3.16	143.707	368.843	786.397	425.441	0.147408	0.817868	2.444838	1.774378	4.674236	22.210561	38.058148	30.338078	2.12673
18-413	PSNT-16	25-30	30	60-65	65	3.01	217.081	507.711	889.762	590.971	0.070226	0.642134	1.484567	0.912659	2.089831	9.693489	35.539288	47.19311	3.929489
18-414	PSNT-16	30-35	35	123-129	129	3.3	21.288	234.999	608.745	325.271	0.155644	3.657873	24.274493	20.772263	7.753895	20.428698	30.799685	15.825545	0.76204

Interpretive Depth (ft)	Mode	d (0.1) μm
10	737.293	408.046
12.5	554.594	195.061
15	754.226	395.557
20	268.883	143.554
22.5	621.448	375.085
25	679.021	349.574
35	669.38	349.866
45	463.03	140.633
47	696.455	429.896
50	429.981	65.35
50.5	671.773	55.384
52.5	657.823	140.448
55	667.752	298.944
57.5	650.071	182.621
70	662.382	299.736
73	741.08	342.986
75	160.509	54.896
80	597.741	349.344
82.75	764.437	468.971
90	682.043	372.498
93.5	707.934	377.43
95	695.245	393.978
97.25	622.023	291.198
99	187.127	52.016
103.25	34.106	4.444
105.5	97.712	19.905
107	161.775	81.927
109.25	58.411	12.648
111	95.664	33.126
112.25	64.784	12.325
113.75	27.361	5.81
115	23.792	4.162
115.75	16.828	3.053
116.6	16.073	2.181
117.25	1.571	0.16
118.25	19.208	1.608
119	16.051	1.222
120	11.979	2.24
121	18.277	2.035
122	10.564	2.225
123	14.027	1.601
124.25	10.849	0.384
125.75	8.709	1.617
127	8.591	1.547
128.25	7.799	1.367
129.5	9.061	2.536
131	12.363	2.719

Plainfield Tunnel Channel Rotosonic Core (PFD-24-RS)

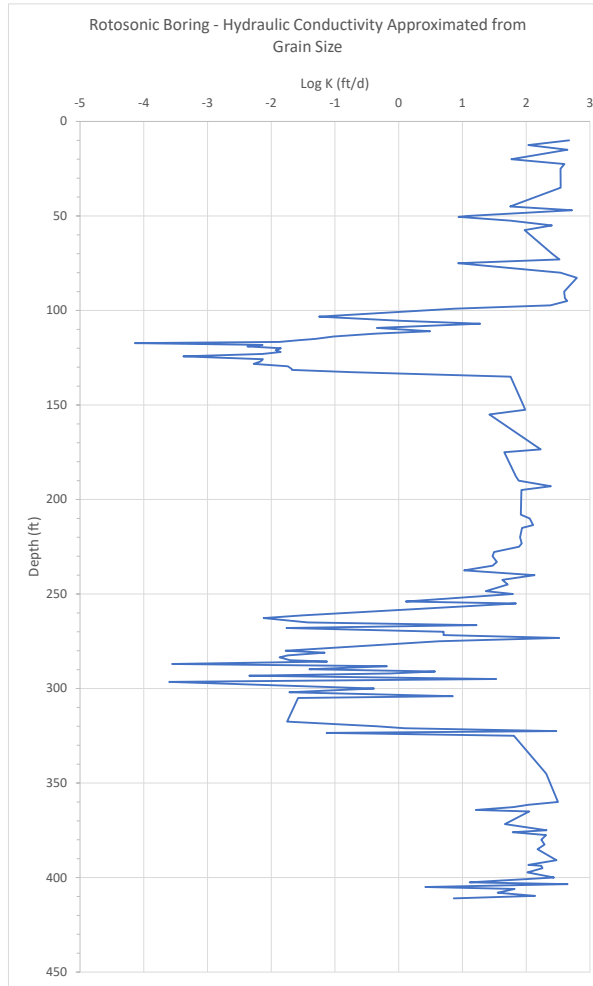


131.4	11.728	2.728
132.6	94.647	8.02
135	241.236	141.787
150	334.185	178.038
152.5	471.621	184.273
155	189.503	96.67
173.5	352.982	243.719
175	208.119	126.288
187.75	327.508	155.8
190	415.871	164.16
193	626.608	293.727
195	511.781	172.188
208	422.444	170.515
210	529.448	200.061
213.5	395.551	213.207
215	309.576	174.122
220	299.421	167.979
223.25	410.798	173.342
225	298.059	164.781
227.75	637.724	104.995
230	463.505	102.28
233	201.43	110.495
235	194.056	102.358
237.5	634.327	61.23
240	660.18	218.301
242.5	640.802	121.884
245	653.47	134.692
248.5	476.721	90.386
250	610.931	148.15
254	94.36	21.349
255	537.458	156.332
261.3	8.807	3.32
262.7	625.988	1.638
265	731.686	3.637
266.5	623.982	76.711
268	7.383	2.473
270	470.364	42.239
271.75	663.515	42.156
273.25	652.203	340.965
275	668.787	38.997
280	13.505	2.432
281	24.163	4.93
282.5	11.011	2.533
283.5	20.243	2.181
285	14.229	2.642
285.75	33.85	5.145
287	6.68	0.313
288.2	48.116	15.185

289.8	29.824	3.737
291	99.725	36.265
292	43.557	16.176
293.25	11.782	1.26
295	519.026	109.284
296.5	5.738	0.297
300	66.407	12.015
302	20.503	2.604
304	436.475	49.947
305	31.498	3.047
317.5	17.318	2.501
320	752.446	12.67
321	237.931	20.896
322.5	615.72	323.199
323.5	21.741	5.112
325	379.879	150.591
345	624.722	269.406
360	680.771	333.026
361.5	602.633	194.124
362.75	487.995	149.003
364.25	542.136	75.685
365	578.356	198.398
371.7	672.251	127.833
375	664.42	271.487
376	665.569	147.243
377.5	607.352	268.813
380	611.673	246.407
382.5	573.412	261.625
385	667.218	230.694
390.8	677.935	324.194
391.7	698.889	270.152
393.3	763.2	195.065
393.75	681.893	246.42
395	689.166	251.718
397.25	636.025	191.868
400	672.549	310.828
402.5	661.187	67.739
403.5	787.922	396.734
405	468.248	30.358
406	689.722	152.311
408	444.281	112.153
409.7	552.963	220.858
411	481.843	50.79

Interpretive Depth (ft)	d (0.1) μm	d (0.1) mm	Hazen C	K (cm/s)	K (ft/d)	Log K (ft/d)
10	408.046	0.408046	1	0.166502	471.97	2.673917
12.5	195.061	0.195061	1	0.038049	107.85	2.03284
15	395.557	0.395557	1	0.156465	443.52	2.646917
20	143.554	0.143554	1	0.020608	58.42	1.766529
22.5	375.085	0.375085	1	0.140689	398.80	2.600758
25	349.574	0.349574	1	0.122202	346.40	2.539577
35	349.866	0.349866	1	0.122406	346.98	2.540302
45	140.633	0.140633	1	0.019778	56.06	1.748673
47	429.896	0.429896	1	0.184811	523.87	2.719226
50	65.35	0.06535	1	0.004271	12.11	1.08299
50.5	55.384	0.055384	1	0.003067	8.69	0.939267
52.5	140.448	0.140448	1	0.019726	55.92	1.74753
55	298.944	0.298944	1	0.089368	253.33	2.403679
57.5	182.621	0.182621	1	0.033350	94.54	1.9756
70	299.736	0.299736	1	0.089842	254.67	2.405977
73	342.986	0.342986	1	0.117639	333.47	2.523052
75	54.896	0.054896	1	0.003014	8.54	0.93158
80	349.344	0.349344	1	0.122041	345.94	2.539005
82.75	468.971	0.468971	1	0.219934	623.43	2.794791
90	372.498	0.372498	1	0.138755	393.32	2.594747
93.5	377.43	0.37743	1	0.142453	403.80	2.606172
95	393.978	0.393978	1	0.155219	439.99	2.643443
97.25	291.198	0.291198	1	0.084796	240.37	2.380876
99	52.016	0.052016	1	0.002706	7.67	0.884773
103.25	4.444	0.004444	1	0.000020	0.06	-1.251953
105.5	19.905	0.019905	1	0.000396	1.12	0.050423
107	81.927	0.081927	1	0.006712	19.03	1.279353
109.25	12.648	0.012648	1	0.000160	0.45	-0.343457
111	33.126	0.033126	1	0.001097	3.11	0.492837
112.25	12.325	0.012325	1	0.000152	0.43	-0.365927
113.75	5.81	0.00581	1	0.000034	0.096	-1.019149
115	4.162	0.004162	1	0.000017	0.049	-1.308897
115.75	3.053	0.003053	1	0.000009	0.026	-1.578048
116.6	2.181	0.002181	1	0.000005	0.013	-1.87019
117.25	0.16	0.00016	1	0.000000	0.000	-4.139261
118.25	1.608	0.001608	1	0.000003	0.007	-2.134929
119	1.222	0.001222	1	0.000001	0.004	-2.373359
120	2.24	0.00224	1	0.000005	0.014	-1.847005
121	2.035	0.002035	1	0.000004	0.012	-1.930372
122	2.225	0.002225	1	0.000005	0.014	-1.852841
123	1.601	0.001601	1	0.000003	0.007	-2.138719
124.25	0.384	0.000384	1	0.00000015	0.000	-3.378839
125.75	1.617	0.001617	1	0.000003	0.007	-2.130081
127	1.547	0.001547	1	0.000002	0.007	-2.168521
128.25	1.367	0.001367	1	0.000002	0.005	-2.275964
129.5	2.536	0.002536	1	0.000006	0.018	-1.739203
131	2.719	0.002719	1	0.000007	0.021	-1.678683
131.4	2.728	0.002728	1	0.000007	0.021	-1.675812
132.6	8.02	0.00802	1	0.000064	0.18	-0.739152
135	141.787	0.141787	1	0.020104	56.99	1.755772
150	178.038	0.178038	1	0.031698	89.85	1.953524
152.5	184.273	0.184273	1	0.033957	96.25	1.983422
155	96.67	0.09667	1	0.009345	26.49	1.423082
173.5	243.719	0.243719	1	0.059399	168.37	2.226278
175	126.288	0.126288	1	0.015949	45.21	1.655223
187.75	155.8	0.1558	1	0.024274	68.81	1.837634
190	164.16	0.16416	1	0.026949	76.39	1.883034
193	293.727	0.293727	1	0.086276	244.56	2.388387
195	172.188	0.172188	1	0.029649	84.04	1.924505
208	170.515	0.170515	1	0.029075	82.42	1.916024
210	200.061	0.200061	1	0.040024	113.46	2.054824
213.5	213.207	0.213207	1	0.045457	128.86	2.110102
215	174.122	0.174122	1	0.030318	85.94	1.934206
220	167.979	0.167979	1	0.028217	79.99	1.903009
223.25	173.342	0.173342	1	0.030047	85.17	1.930306
225	164.781	0.164781	1	0.027153	76.97	1.886313
227.75	104.995	0.104995	1	0.011024	31.25	1.494836

Plainfield Tunnel Channel Rotosonic Core (PFD-24-RS)



Depth	Description	
10	Coarse sand with some medium sand; gravel common	
20		
30		
40		
50		
60		
70		
80		
90		
100		
110	98-113	Very fine to fine sand; some silt
120	113-132	Silt and clay; some laminations visible
130		
140	132-140	Fine sand
150	Medium sand with some coarse sand; gravel uncommon	
160		
170		
180		
190		
200		
210		
220		
230		
240		
250	250-275	Medium/coarse sand interbedded with fine layers (fine sand, silt, clay)
260		
270		
280	275-318	Silt and clay with layers of very fine sand, coarse sand
290		
300		
310		
310		
320	318-324	coarse sand interbedded with silt / fine sand
330		
340	324-411	Medium / coarse sand; gravel/cobble layer in 340-345' interval; cobbles common in lower 30 feet
350		
360		
370		
380		
390		
400		
410		
420	411-416	Granite Bedrock

230	102.28	0.10228	1	0.010461	29.65	1.47208
233	110.495	0.110495	1	0.012209	34.61	1.539184
235	102.358	0.102358	1	0.010477	29.70	1.472742
237.5	61.23	0.06123	1	0.003749	10.63	1.026427
240	218.301	0.218301	1	0.047655	135.09	2.13061
242.5	121.884	0.121884	1	0.014856	42.11	1.624392
245	134.692	0.134692	1	0.018142	51.43	1.711182
248.5	90.386	0.090386	1	0.008170	23.16	1.364701
250	148.15	0.14815	1	0.021948	62.22	1.793902
254	21.349	0.021349	1	0.000456	1.29	0.111254
255	156.332	0.156332	1	0.024440	69.28	1.840595
261.3	3.32	0.00332	1	0.000011	0.031	-1.505225
262.7	1.638	0.001638	1	0.000003	0.008	-2.118873
265	3.637	0.003637	1	0.000013	0.037	-1.426015
266.5	76.711	0.076711	1	0.005885	16.68	1.222214
268	2.473	0.002473	1	0.000006	0.017	-1.761053
270	42.239	0.042239	1	0.001784	5.06	0.703926
271.75	42.156	0.042156	1	0.001777	5.04	0.702218
273.25	340.965	0.340965	1	0.116257	329.55	2.517918
275	38.997	0.038997	1	0.001521	4.31	0.634561
280	2.432	0.002432	1	0.000006	0.017	-1.775574
281	4.93	0.00493	1	0.000024	0.069	-1.161807
282.5	2.533	0.002533	1	0.000006	0.018	-1.740231
283.5	2.181	0.002181	1	0.000005	0.013	-1.87019
285	2.642	0.002642	1	0.000007	0.020	-1.703636
285.75	5.145	0.005145	1	0.000026	0.075	-1.12473
287	0.313	0.000313	1	0.000000098	0.00028	-3.556412
288.2	15.185	0.015185	1	0.000231	0.65	-0.184672
289.8	3.737	0.003737	1	0.000014	0.040	-1.402455
291	36.265	0.036265	1	0.001315	3.73	0.571474
292	16.176	0.016176	1	0.000262	0.74	-0.129759
293.25	1.26	0.00126	1	0.000002	0.0045	-2.34676
295	109.284	0.109284	1	0.011943	33.85	1.529612
296.5	0.297	0.000297	1	0.000000088	0.0003	-3.601988
300	12.015	0.012015	1	0.000144	0.41	-0.388054
302	2.604	0.002604	1	0.000007	0.019	-1.716219
304	49.947	0.049947	1	0.002495	7.07	0.849518
305	3.047	0.003047	1	0.000009	0.026	-1.579756
317.5	2.501	0.002501	1	0.000006	0.018	-1.751274
320	12.67	0.01267	1	0.000161	0.46	-0.341948
321	20.896	0.020896	1	0.000437	1.24	0.092625
322.5	323.199	0.323199	1	0.104458	296.10	2.471439
323.5	5.112	0.005112	1	0.000026	0.074	-1.130319
325	150.591	0.150591	1	0.022678	64.28	1.808097
345	269.406	0.269406	1	0.072580	205.74	2.313313
360	333.026	0.333026	1	0.110906	314.38	2.497455
361.5	194.124	0.194124	1	0.037684	106.82	2.028657
362.75	149.003	0.149003	1	0.022202	62.93	1.798889
364.25	75.685	0.075685	1	0.005728	16.24	1.210518
365	198.398	0.198398	1	0.039362	111.58	2.047573
371.7	127.833	0.127833	1	0.016341	46.32	1.665785
375	271.487	0.271487	1	0.073705	208.93	2.319997
376	147.243	0.147243	1	0.021681	61.46	1.788568
377.5	268.813	0.268813	1	0.072260	204.83	2.311399
380	246.407	0.246407	1	0.060716	172.11	2.235805
382.5	261.625	0.261625	1	0.068448	194.02	2.287857
385	230.694	0.230694	1	0.053220	150.86	2.178571
390.8	324.194	0.324194	1	0.105102	297.93	2.474109
391.7	270.152	0.270152	1	0.072982	206.88	2.315715
393.3	195.065	0.195065	1	0.038050	107.86	2.032858
393.75	246.42	0.24642	1	0.060723	172.13	2.235851
395	251.718	0.251718	1	0.063362	179.61	2.254327
397.25	191.868	0.191868	1	0.036813	104.35	2.018504
400	310.828	0.310828	1	0.096614	273.87	2.437539
402.5	67.739	0.067739	1	0.004589	13.01	1.114176
403.5	396.734	0.396734	1	0.157398	446.17	2.649498
405	30.358	0.030358	1	0.000922	2.61	0.417045
406	152.311	0.152311	1	0.023199	65.76	1.817961
408	112.153	0.112153	1	0.012578	35.66	1.552121
409.7	220.858	0.220858	1	0.048778	138.27	2.140725
411	50.79	0.05079	1	0.002580	7.31	0.864055