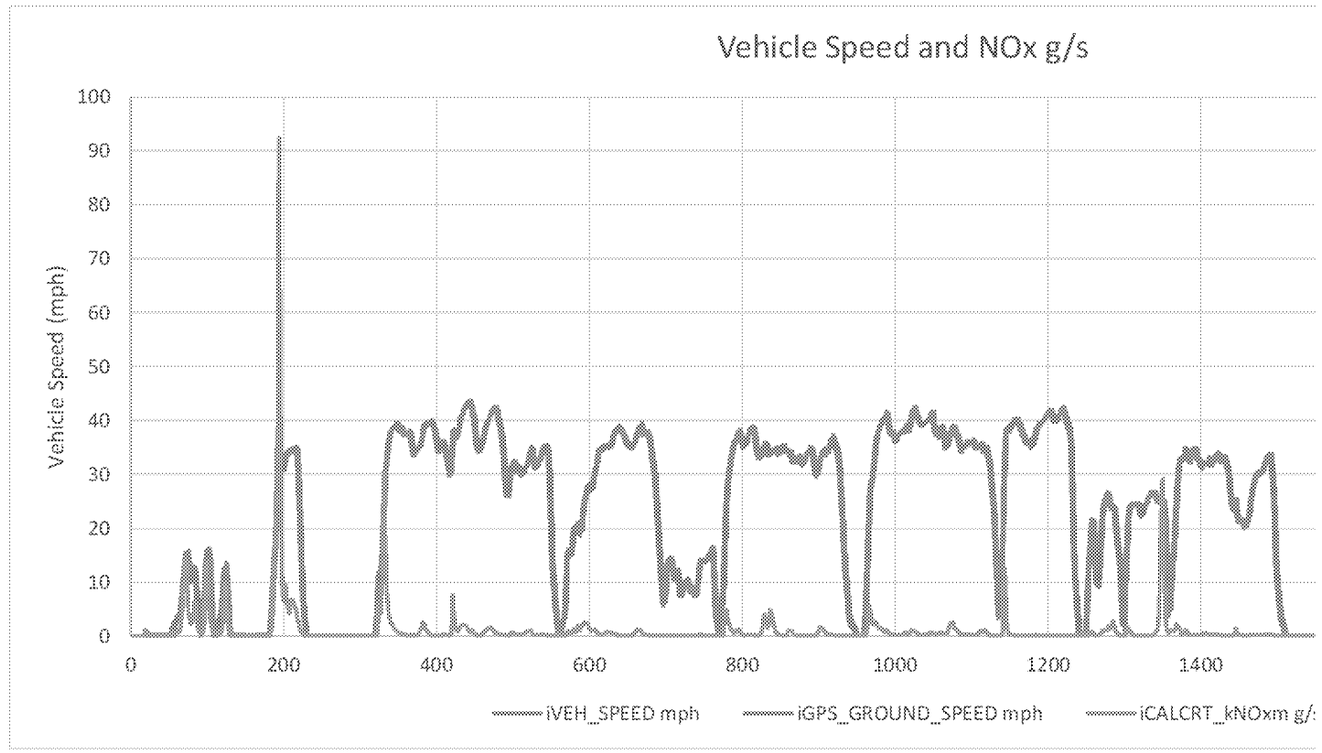
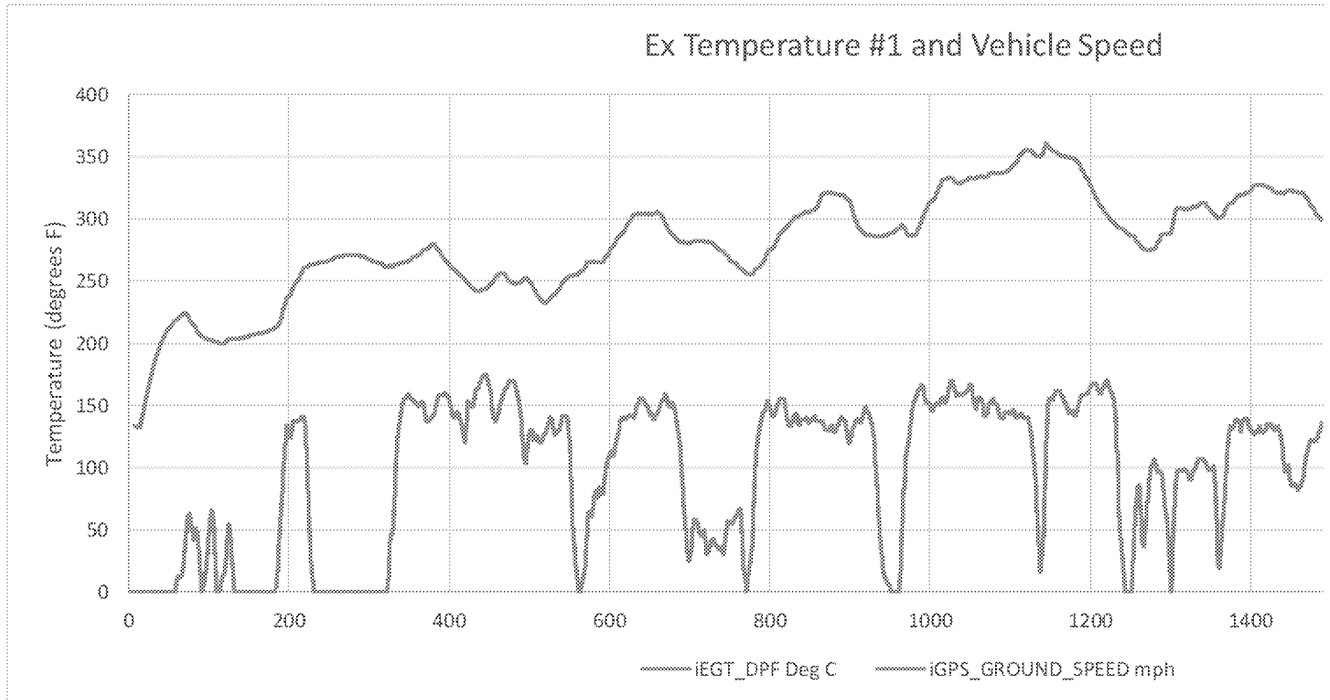
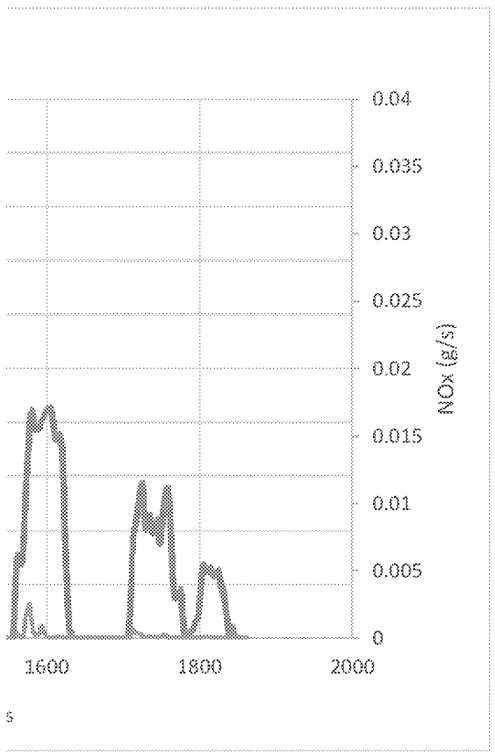
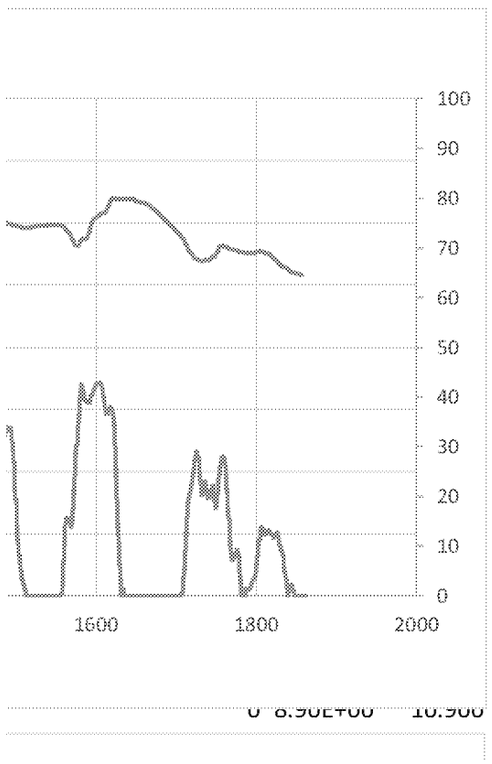
Test Duration (s)	1861
Calculated Test Duration (s)	1861
Average Ambient Temperature (deg C)	-6.96
Calculated Average Ambient Temperature (deg C)	-6.96
Total Distance Traveled (mi)	11.030
Calculated Total Distance Traveled (mi)	11.176
Total Fuel Consumed (gal)	0.567
Calculated Total Fuel Consumed (gal)	0.567
Overall Fuel Economy (mpg)	19.46
Calculated Overall Fuel Economy (mpg)	19.71
CO2 (g)	5861.41
Calculated CO2 (g)	5861.40
CO (g)	4.938
Calculated CO (g)	4.938
kNOx (g) (corrected NOx)	0.835
Calculated kNOx (g) (corrected NOx)	0.835
THC (g)	0.184
Calculated THC (g)	0.184
CO2 (g/mi)	531.4
Calculated CO2 (g/mi)	524.5
CO (g/mi)	0.448
Calculated CO (g/mi)	0.442
kNOx (g/mi) (corrected NOx)	0.076
Calculated kNOx (g/mi) (corrected NOx)	0.075
THC (g/mi)	0.017
Calculated THC (g/mi)	0.016
1st Measured ECT (deg)	n/a
Test Start Time	11:34:20.216
Test Stop Time	12:05:20.216
Average Speed (mph)	21.6
Regeneration Event?	No
Average SCR temp (deg)	282.3
Test Date	12/12/2017
Vehicle	2009 VW Touareg

sTIME	iSCB_LAT	iCALCRT_kNOxm	iCALCRT_HCm	iCALCRT_COm	iCALCRT_CO2m	iWfgps
hh:mm:ss.xxx	deg C	g/s	g/s	g/s	g/s	gal/s
11:34:20.216	-7	0	0	0	0	0





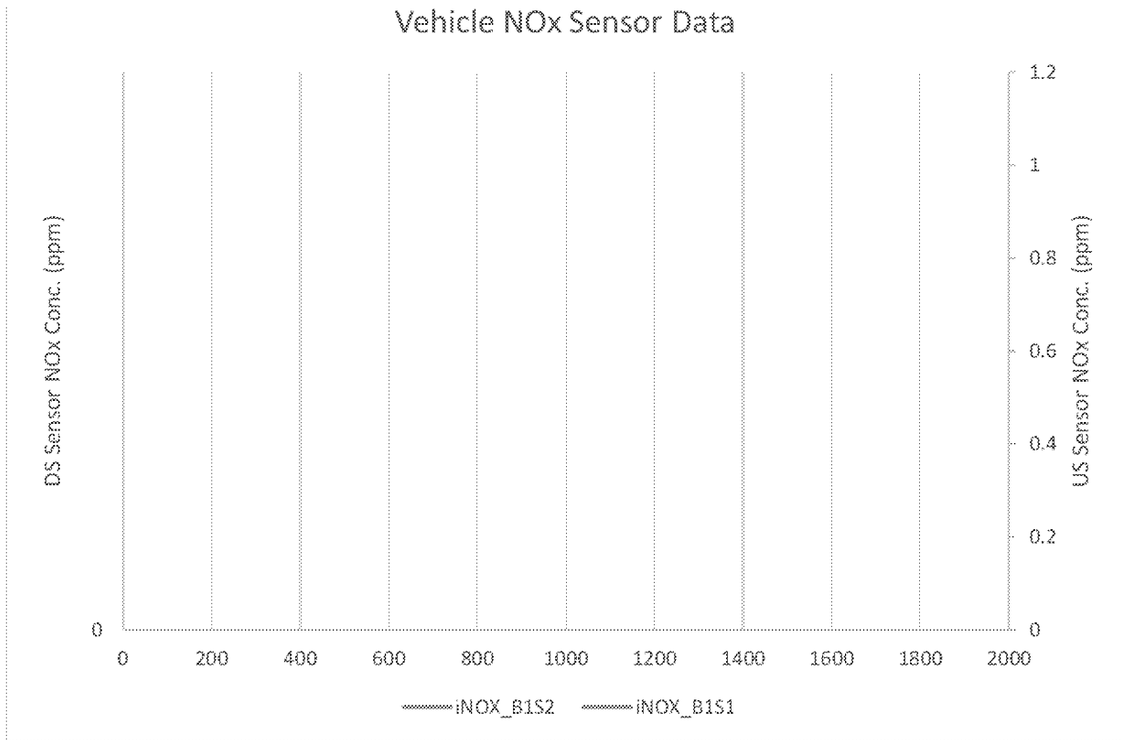


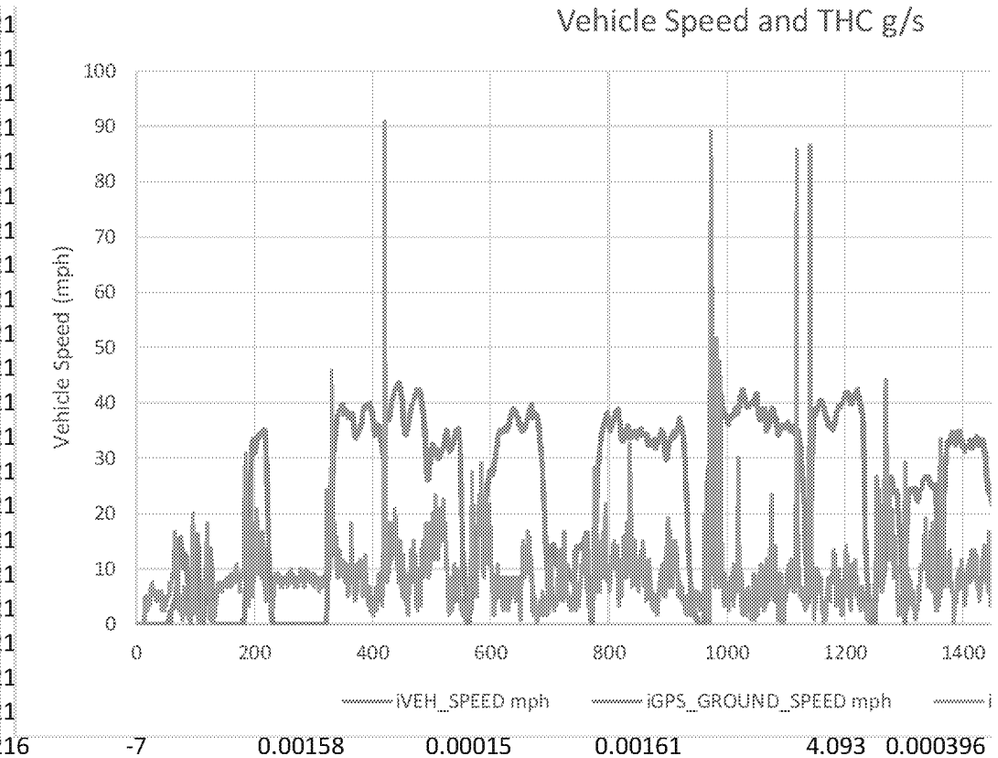


iGPS_GROUND_SPEED mph	ikNOxzw ppm	iNDUV_NO ppm	iNDUV_NO2 ppm	ikNOzw ppm	ikNO2zw ppm	iFID_THC ppmC	iCOOL_TEMP ECT deg F	iMAF g/s	iENG_SPEED rpm	iVEH_SPEED mph	iENG_LOAD %	iEGT_DPF Deg C	iEGT_11 Deg C	iNOX_B1S1	iNOX_B1S2
0	-	-0.400	-0.300	0.000	0.000	5.700									
			-0.300	0.000	0.000	6.200									
			-0.300	0.000	0.000	7.000									
			-0.400	0.000	0.000	3.000									
			-0.400	0.000	0.000	7.000									
			-0.400	0.000	0.000	2.200									
			-0.400	0.000	0.000	4.800			0	0	0	133			
			-0.400	0.000	0.000	3.000			0	0	0	133	193.1		
			-0.400	0.000	0.000	3.200			0	0	0	133	193.1		
			-0.400	0.000	0.000	4.600			0	0	0	132.630775	193.1		
			-0.400	0.000	0.000	3.900			0	0	0	132.5	193.1		
			-0.400	0.000	0.000	9.600			0	0	0	132.5	192.830868		
			-0.400	0.000	0.000	4.600			20	0	0	132.5	192.311308		
			-0.400	0.000	0.000	8.700			281	0	1.5	132.5	191.791748		
			-0.400	0.000	0.000	6.500			1048	0	9.2	133.772183	190.522745		
			-0.400	0.000	0.000	7.800			849	0	20.5	138.2776	186.956668		
			-0.400	1.893	0.000	7.900			746	0	57	143.011813	183.39059		
			-0.400	12.911	0.000	6.400			766	0	58.8	146.033791	179.824513		
			-0.400	24.223	0.000	12.000			782	0	52.7	149.190506	180.148707		
			-0.400	26.264	0.000	8.400			785	0	49.4	152.85464	180.862355		
			-0.400	22.444	0.000	10.800			782	0	49	155.8136	181.576004		
			-0.400	15.787	0.000	8.000			780	0	48.3	158.5081	181.703597		
			-0.400	11.945	0.000	12.000			780	0	47.3	161.67904	181.343885		
			-0.400	9.552	0.000	15.800			780	0	47.2	164.613358	180.984173		
			-0.400	8.212	0.000	14.800			781	0	47.3	166.90221	180.66305		
			-0.400	7.860	0.000	16.600			780	0	46.4	169.829134	180.487097		
			-0.400	7.608	0.000	11.900			783	0	45.6	173.13622	180.311144		
			-0.400	7.609	0.000	15.300			780	0	45.8	174.938213	180.135191		
			-0.400	7.611	0.000	12.200			780	0	45.6	177.96517	179.960829		
			-0.400	7.614	0.000	13.600			781	0	45.5	180.642243	179.786866		
			-0.400	7.620	0.000	11.800			780	0	45.2	182.702548	179.612902		
			-0.400	7.621	0.000	12.100			780	0	44.8	184.829382	179.5		
			-0.400	7.699	0.000	13.800			776	0	45.6	187.321118	179.5		
			-0.400	7.860	0.000	10.000			775	0	45.8	189.100693	179.5		
			-0.400	8.173	0.000	12.100			789	0	44.4	191.260079	179.340997		
			-0.400	8.354	0.000	9.300			779	0	45.3	192.862942	179.100447		
			-0.400	8.361	0.000	12.000			780	0	45.2	194.531176	178.859897		
			-0.400	8.440	0.000	11.600			780	0	45.1	196.624251	178.8		
			-0.400	8.516	0.000	10.400			780	0	45.3	198.058937	178.8		
			-0.400	8.765	0.000	13.100			780	0	45.3	199.700668	178.8		
			-0.400	8.932	0.000	10.000			780	0	45.1	201.525218	178.8		
			-0.400	8.940	0.000	13.500			780	0	44.9	202.633014	178.8		
			-0.400	8.941	0.000	4.700			779	0	45.1	203.774426	178.8		
			-0.400	8.941	0.000	7.200			779	0	45.1	205.314091	178.8		
			-0.400	8.941	0.000	4.900			780	0	44.6	206.919225	178.8		

sDPF_REGEN iCOM_EGR
Regen 0/1

Accum kNOx	Accum THC	Accum CO	Accum CO2
g	g	g	g
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0.00001	0
0	0	0.00003	0
0	0	0.00003	0
0	0	0.00003	0
0	0	0.00004	0
0	0	0.00006	0
0	0	0.00008	0
0	0	0.00009	0
0	0	0.0001	0
0	0	0.00021	0.011
0	0.00006	0.00164	0.418
0	0.00012	0.00458	1.334
0	0.00017	0.00782	2.083
0.00004	0.00021	0.01133	2.8
0.00027	0.00024	0.01376	3.468
0.0007	0.0003	0.01537	4.027
0.00116	0.00034	0.01676	4.483
0.00156	0.0004	0.01827	5.018
0.00184	0.00044	0.0195	5.72
0.00205	0.0005	0.02038	6.55
0.00222	0.00058	0.02128	7.437
0.00237	0.00066	0.02216	8.347
0.00251	0.00075	0.023	9.266
0.00265	0.00082	0.02388	10.184
0.00279	0.0009	0.02484	11.088
0.00293	0.00097	0.0258	11.984
0.00307	0.00104	0.02675	12.866
0.00321	0.0011	0.02769	13.724
0.00335	0.00117	0.02863	14.581
0.00349	0.00124	0.02958	15.434
0.00363	0.00129	0.03053	16.289
0.00378	0.00136	0.03139	17.144
0.00393	0.00141	0.03223	17.993
0.00408	0.00148	0.03302	18.845
0.00423	0.00154	0.03376	19.699
0.00438	0.0016	0.03447	20.548
0.00454	0.00167	0.0351	21.386
0.0047	0.00172	0.03582	22.221
0.00486	0.00179	0.03656	23.055
0.00502	0.00182	0.0373	23.883
0.00518	0.00186	0.03804	24.711
0.00534	0.00189	0.03877	25.535





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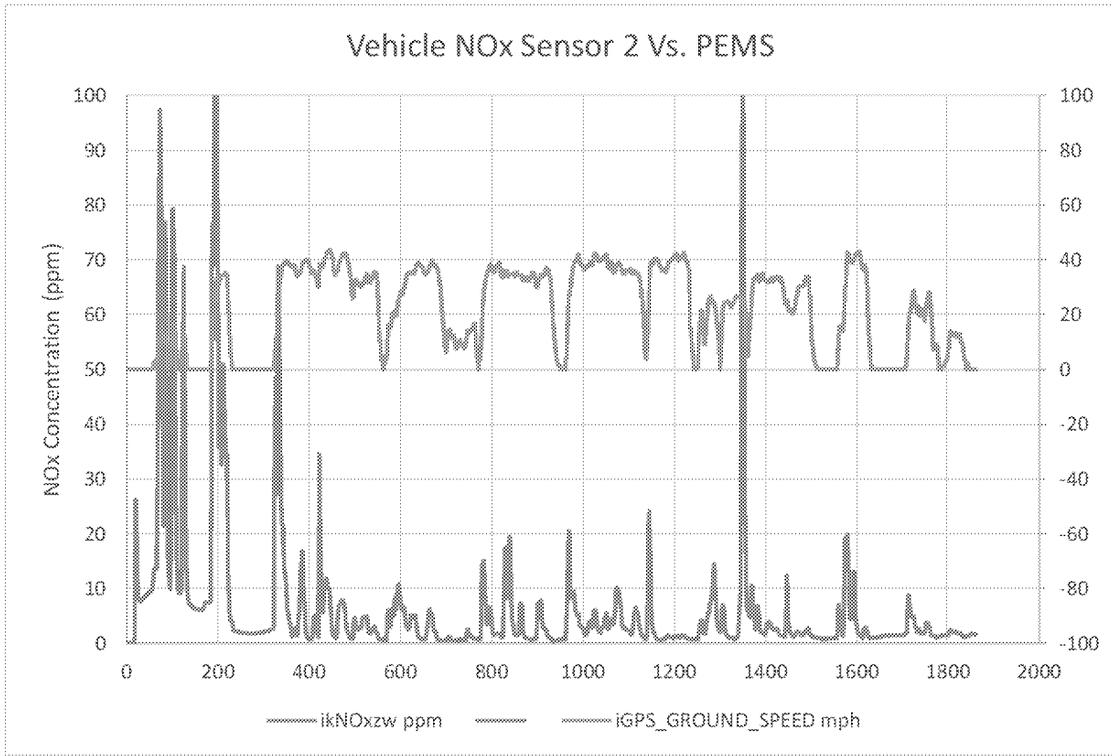
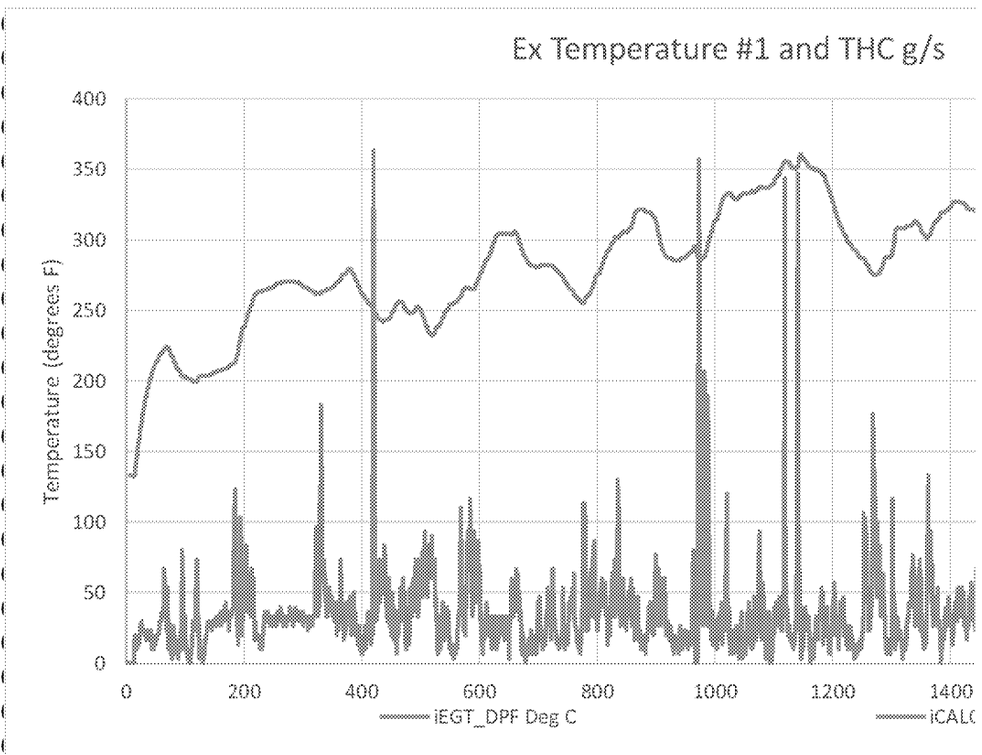
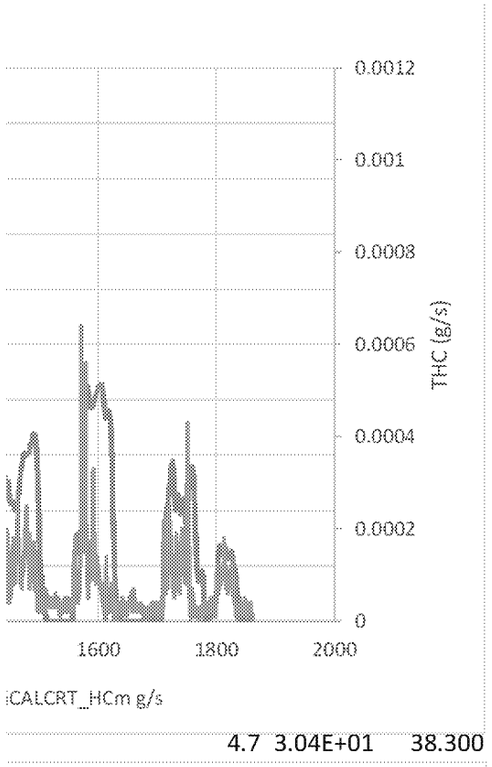


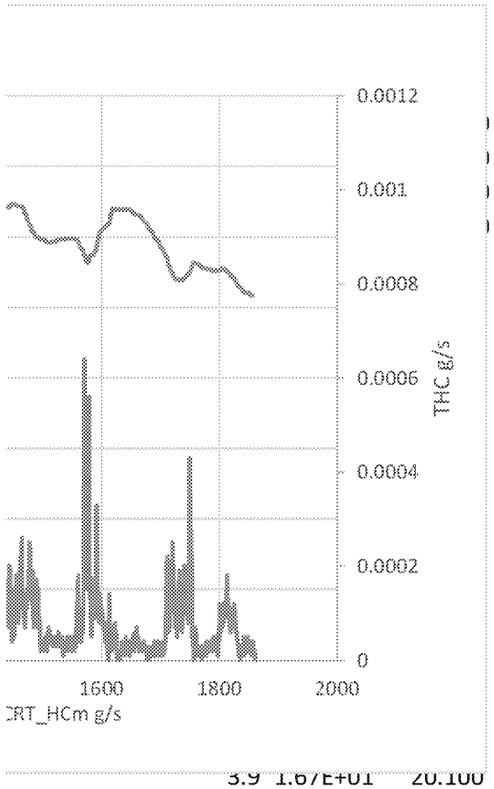


11:35:49.216 -7 0.0003 0.00003 0.00081 0.571 0.000055

Accumulated CO and Vehicle Speed

Accumulated CO2 and Vehicle Spee



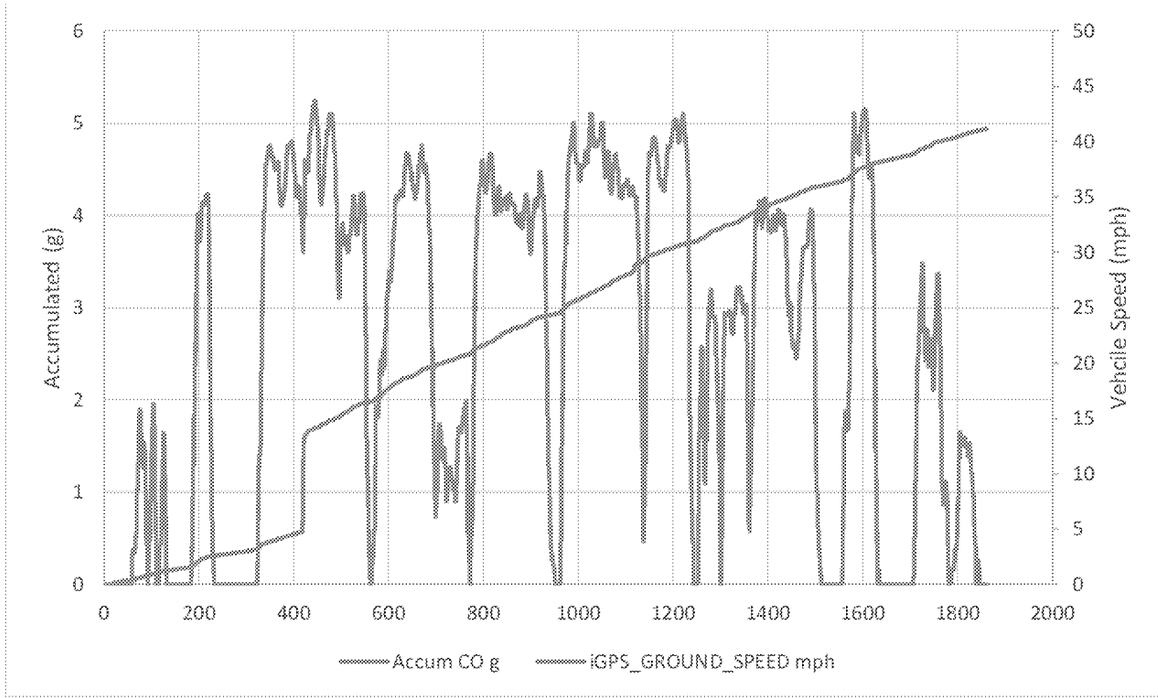


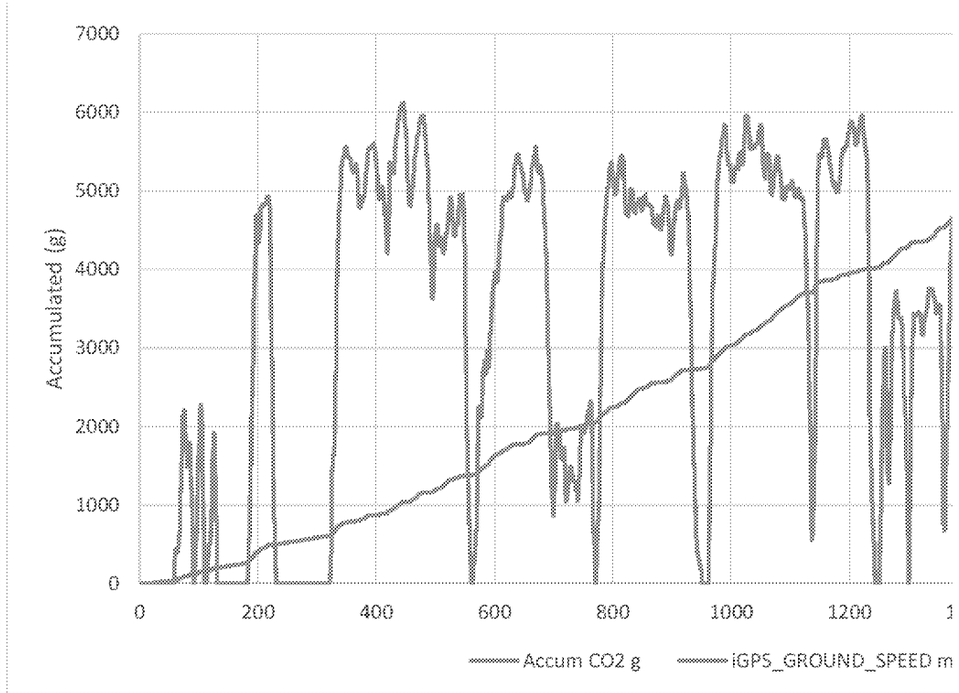
:d

-0.400	8.944	0.000	5.900
-0.400	9.111	0.000	7.400
-0.400	9.193	0.000	6.200
-0.400	9.194	0.000	11.000
-0.400	9.194	0.000	7.000
-0.400	9.273	0.000	11.200
-0.400	9.359	0.000	8.700
-0.400	9.437	0.000	9.200
-0.400	9.423	0.000	8.900
-0.400	9.529	0.000	9.500
-0.300	9.834	0.000	14.600
-0.300	10.960	0.000	12.600
-0.300	11.912	0.000	17.300
-0.300	12.870	0.000	16.200
-0.300	13.469	0.000	17.200
-0.300	13.679	0.000	16.900
-0.300	13.786	0.000	14.600
-0.300	13.787	0.000	16.300
-0.300	13.503	0.000	12.400
-0.300	13.570	0.000	17.000
-0.200	16.545	0.000	11.400
-0.200	30.427	0.000	9.700
-0.200	51.976	0.000	6.000
-0.200	67.748	0.000	4.000
-0.200	72.998	0.000	9.100
-0.200	84.178	0.000	1.700
-0.200	95.026	0.000	4.600
-0.200	97.411	0.000	1.700
-0.200	89.431	0.000	5.200
-0.200	78.918	0.000	3.000
-0.200	70.136	0.000	4.100
-0.200	60.097	0.000	3.000
-0.200	47.689	0.000	1.400
-0.200	35.948	0.000	3.400
-0.200	26.717	0.000	2.000
-0.200	21.419	0.000	4.800
-0.200	32.123	0.000	2.800
-0.200	57.875	0.000	2.500
-0.200	76.943	0.000	4.300
-0.200	76.558	0.000	3.400
-0.200	61.466	0.000	7.900
-0.200	42.360	0.000	3.400
-0.200	29.770	0.000	4.800
-0.200	21.811	0.000	2.500
-0.200	16.746	0.000	5.300
-0.200	13.319	0.000	6.800
-0.200	11.827	0.000	5.400

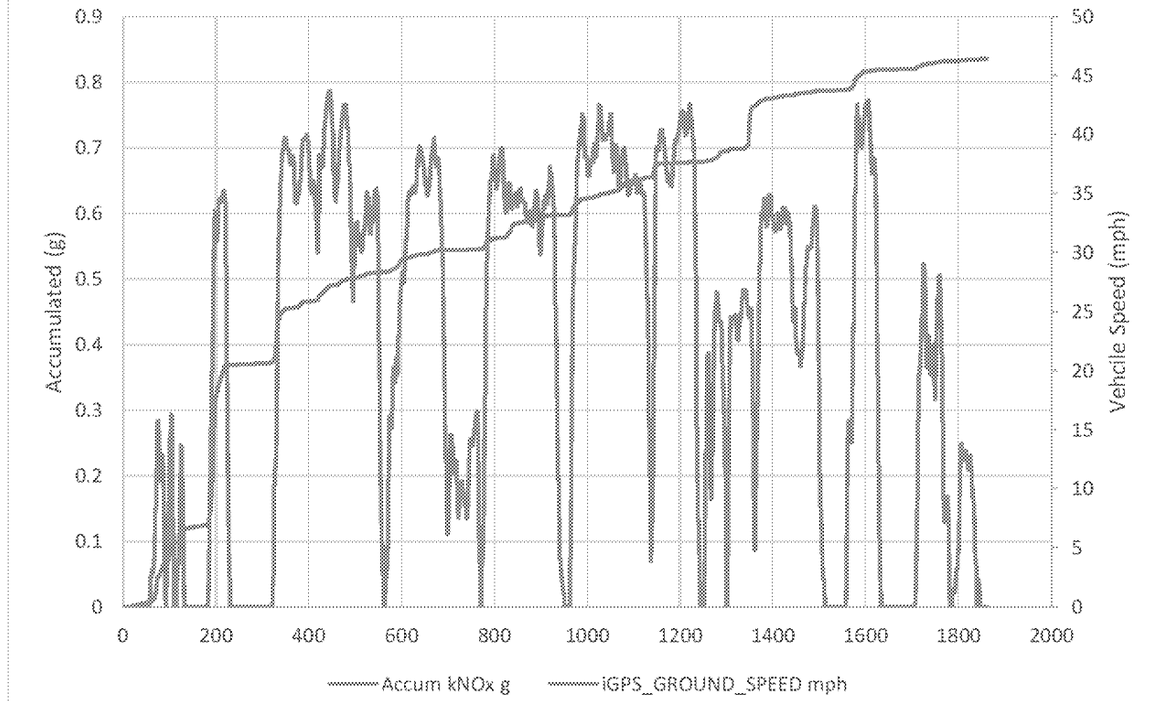
779	0	44.4	208	178.8
778	0	44.6	208.717932	178.708169
780	0	44.2	210.254022	178.508103
778	0	44.3	211.517272	178.308036
771	0	46.7	212.276779	178.918292
774	0	55.8	212.83696	180.479796
783	0	64.8	213.389214	182.0413
803	0.195	63.1	214.191257	184.455991
900	1.173	61.6	215.389897	188.667141
813	1.24	61.6	216.889503	192.878292
779	1.755	62.6	218.18961	197.089442
781	2.305	56.9	218.2	198.38181
789	2.48	62.3	218.67512	199.520557
788	2.48	60	219.276335	200.659305
776	2.748	56.9	219.858135	202.070244
849	3.315	58.6	220.1	203.653023
999	3.73	62.2	220.741542	205.235802
1060	3.73	65.7	221.696104	207.838257
1165	3.833	65.5	222.236829	211.667018
1261	4.488	60.7	222.783631	215.495779
1488	5.609	64.3	223.4	220.375318
1660	7.088	51.8	223.448727	231.873988
1562	8.823	45.3	224.042954	243.372657
1533	10.143	52.2	224.588649	254.871327
1605	11.673	56.2	224.170078	263.733857
1724	13.402	55.9	223.599201	271.736319
1791	14.827	54.5	223.4	279.738781
1586	15.53	38.3	222.707636	278.590059
1183	15.406	13.3	221.272131	268.471365
1071	14.769	11.6	219.766216	258.352671
950	13.636	19.4	218.70367	248.505405
1026	12.154	33.1	218.159843	240.397297
1105	10.945	19.2	217.687402	232.289189
1097	9.987	12.3	216.811989	225.097211
1328	10.046	59.2	215.591981	231.303626
1598	11.379	64.5	214.216271	237.510042
1665	12.42	50.5	213.646636	241.673743
1420	12.42	6.8	212.965287	237.458145
1224	11.458	9.7	212.009873	233.242547
1107	9.761	11.3	210.164706	229.02695
911	7.708	32.7	209.788635	225.572913
830	5.472	49.1	208.762589	222.227671
760	3.211	57.5	208.102455	218.882429
766	1.814	61.6	207.542779	219.397685
783	1.005	62.8	207.049128	220.902315
811	0.799	64.3	206.494031	222.406944
873	1.564	64.6	205.678202	224.2555

0.0055	0.00192	0.03951	26.365
0.00566	0.00196	0.04025	27.194
0.00583	0.00199	0.04099	28.019
0.00599	0.00205	0.04172	28.828
0.00615	0.00209	0.04241	29.6
0.00632	0.00215	0.04314	30.411
0.0065	0.0022	0.04391	31.261
0.00669	0.00226	0.04475	32.19
0.00689	0.00232	0.04572	33.214
0.00708	0.00238	0.04652	34.265
0.00727	0.00247	0.04732	35.446
0.00748	0.00254	0.04828	36.72
0.0077	0.00263	0.04901	37.977
0.00795	0.00272	0.04968	39.311
0.00821	0.00282	0.05034	40.619
0.0085	0.00293	0.05113	42.007
0.0088	0.00303	0.05207	43.42
0.00913	0.00315	0.05316	44.939
0.00953	0.00326	0.05452	46.939
0.01005	0.00346	0.05627	49.736
0.01088	0.00363	0.05815	53.596
0.01246	0.00378	0.05976	57.689
0.0152	0.00388	0.06125	61.822
0.01887	0.00395	0.06279	66.045
0.02315	0.00411	0.06447	70.55
0.02848	0.00414	0.06658	75.415
0.03446	0.00423	0.06872	80.273
0.03957	0.00426	0.07051	84.317
0.04319	0.00432	0.07197	87.39
0.04543	0.00435	0.07301	89.362
0.04696	0.00438	0.07351	90.586
0.04827	0.0044	0.07391	91.517
0.04942	0.00441	0.07492	92.326
0.05032	0.00444	0.07649	93.102
0.05142	0.00446	0.07933	94.482
0.0526	0.00454	0.08298	97.29
0.05441	0.00459	0.08711	101.172
0.05685	0.00462	0.08919	104.325
0.05936	0.00466	0.09004	106.514
0.06125	0.00469	0.09047	107.74
0.06253	0.00474	0.09102	108.433
0.06332	0.00476	0.09185	108.934
0.06385	0.00479	0.09281	109.37
0.06424	0.0048	0.09378	109.846
0.06454	0.00483	0.09459	110.417
0.0648	0.00487	0.09565	111.193
0.06505	0.0049	0.09693	112.225

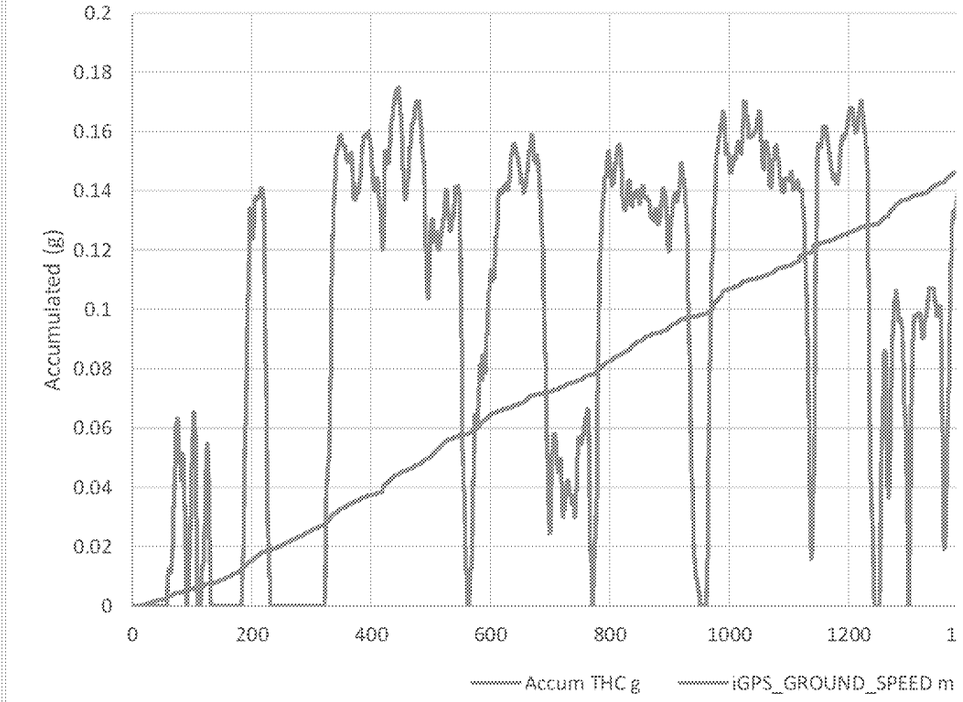




Accumulated kNOx and Vehicle Speed

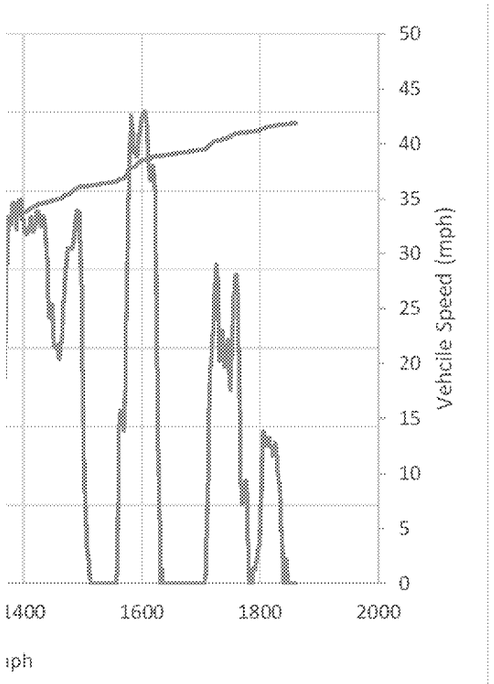


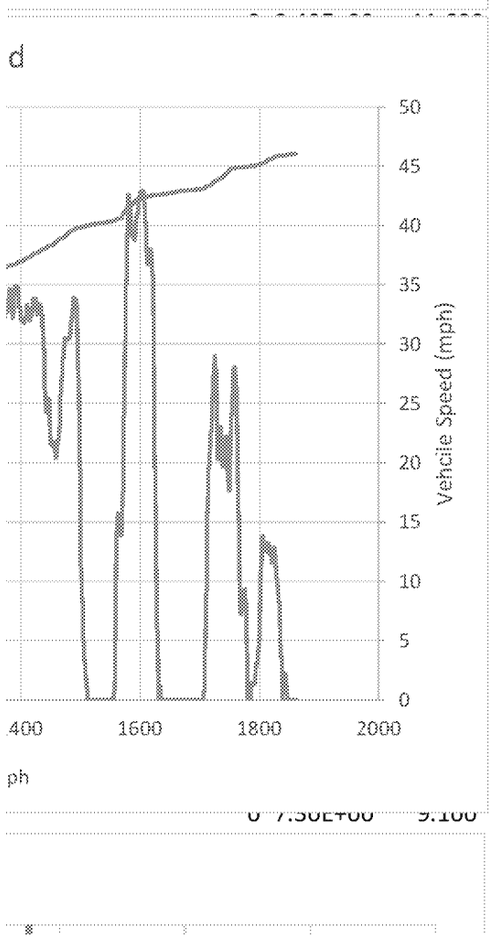
Accumulated THC and Vehicle Spee



Engine Speed and EGR Command

NOx ppm





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-0.200	10.084	0.000	10.000
-0.200	9.925	0.000	16.400
-0.200	15.129	0.000	10.200
-0.200	37.264	0.000	7.000
-0.200	64.191	0.000	3.400
-0.200	74.933	0.000	1.200
-0.200	79.051	0.000	5.000
-0.200	79.260	0.000	1.800
-0.200	77.639	0.000	4.400
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-0.200	66.070	0.000	3.800
-0.300	54.006	0.000	2.000
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-0.200	30.012	0.000	2.600
-0.200	22.382	0.000	0.000
-0.200	16.838	0.000	3.800
-0.300	13.687	0.000	2.100
-0.200	11.285	0.000	5.600
-0.200	10.043	0.000	6.200
-0.200	9.399	0.000	8.900
-0.200	9.259	0.000	13.700
-0.200	9.163	0.000	12.300
-0.200	9.141	0.000	15.500
-0.200	9.119	0.000	11.700
-0.200	9.600	0.000	16.500
-0.200	9.886	0.000	16.800
-0.200	10.195	0.000	12.000
-0.200	28.468	0.000	8.200
-0.200	50.007	0.000	2.900
-0.200	60.404	0.000	5.100
-0.200	66.216	0.000	1.000
-0.200	68.699	0.000	4.200
-0.200	58.493	0.000	2.500
-0.200	45.200	0.000	4.200
-0.200	32.097	0.000	5.000
-0.200	22.787	0.000	2.300
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-0.200	13.931	0.000	0.600
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-0.200	9.518	0.000	4.600
-0.200	8.282	0.000	5.100
-0.200	7.502	0.000	9.000
-0.100	7.309	0.000	11.400
-0.100	7.229	0.000	12.300
-0.100	7.145	0.000	12.000
-0.100	6.971	0.000	15.600

859	3.048	54.2	204.669885	226.771675
1073	4.115	64.9	204.2	229.28785
1440	5.801	69.6	203.87321	237.783893
1693	7.78	56.7	203.374593	251.016676
1632	9.97	55	203	264.249459
1660	11.647	58.8	203	277.247402
1762	13.693	57.2	203	285.142912
1785	15.097	56	203	293.038421
1470	15.879	38.9	203	300.93393
1198	15.895	20.1	202.566514	293.743177
1087	15.321	11.8	202.3	277.955385
968	13.28	24	202.3	262.167593
882	9.759	31.3	202.001907	252.02631
853	6.089	33.7	201.7	247.35369
814	2.906	51.1	201.543169	242.681071
787	1.208	63	201.1	238.764369
780	0.158	62	201.1	239.199297
780	0	60.4	201.012792	239.634225
781	0	60.7	200.168935	240.191021
783	0	60	199.7	241.392412
972	0.607	59.3	199.7	242.593803
851	2.277	54.7	199.7	243.795194
785	2.92	51.2	199.7	242.670883
774	3.11	48.9	199.7	241.537232
796	3.438	52	199.7	240.40358
964	3.988	60.7	199.7	240.911095
1320	4.809	78.4	199.7	242.325838
1756	7.52	74.8	199.713846	243.740581
1676	9.553	60.7	201.147482	261.033862
1659	11.31	60.8	201.627098	279.02328
1674	12.621	48.7	202.180453	297.012698
1455	12.729	25.1	202.802091	291.120405
1221	11.793	10.4	203.328095	277.053835
1104	9.946	15.2	203.6	262.987265
936	7.398	30.2	203.6	252.231567
828	3.493	50.2	203.6	249.581797
790	1.068	62.8	203.6	246.932028
777	0.168	64.3	203.6	244.282258
778	0	63.5	203.6	244.091535
781	0	62.9	203.6	244.447936
780	0	63.1	203.6	244.804336
779	0	63.3	203.6	245.116275
782	0	62.8	203.6	245.37409
778	0	62.9	203.6	245.631905
778	0	63.3	203.6	245.8
780	0	62.7	203.74448	245.8
778	0	62	204.2	245.8

0.06527	0.00497	0.09794	113.409
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0.066	0.00528	0.10117	118.398
0.0669	0.00546	0.10373	122.9
0.06924	0.00559	0.10604	127.869
0.07327	0.00566	0.10831	132.748
0.07829	0.00569	0.11097	137.951
0.08373	0.00579	0.11369	143.357
0.08783	0.00582	0.1155	147.374
0.09102	0.00587	0.11707	150.361
0.093	0.00589	0.11782	152.014
0.09445	0.00592	0.11821	153.059
0.09557	0.00593	0.11865	153.787
0.09634	0.00594	0.11935	154.353
0.09688	0.00595	0.12027	154.857
0.09728	0.00595	0.12115	155.389
0.09758	0.00597	0.12195	155.997
0.09783	0.00598	0.12283	156.713
0.09804	0.00601	0.12391	157.565
0.09823	0.00605	0.12502	158.617
0.09844	0.00611	0.12628	159.961
0.09863	0.0062	0.1273	161.298
0.09881	0.00627	0.12814	162.587
0.09898	0.00636	0.12886	163.892
0.09915	0.00643	0.12948	165.23
0.09937	0.00655	0.13016	166.819
0.09974	0.00674	0.1316	169.275
0.10036	0.00696	0.13501	173.664
0.10212	0.00711	0.13848	178.879
0.10535	0.00717	0.1411	184.33
0.10923	0.00727	0.14271	189.505
0.11227	0.00728	0.14425	192.965
0.11473	0.00733	0.14495	195.116
0.11618	0.00735	0.14528	196.153
0.11715	0.00738	0.14588	196.787
0.11776	0.00741	0.14676	197.264
0.11817	0.00742	0.14773	197.732
0.11848	0.00744	0.14866	198.237
0.11873	0.00744	0.14942	198.835
0.11893	0.00747	0.15029	199.565
0.1191	0.00749	0.15139	200.455
0.11925	0.00752	0.15245	201.509
0.11938	0.00757	0.15313	202.65
0.11951	0.00763	0.15365	203.838
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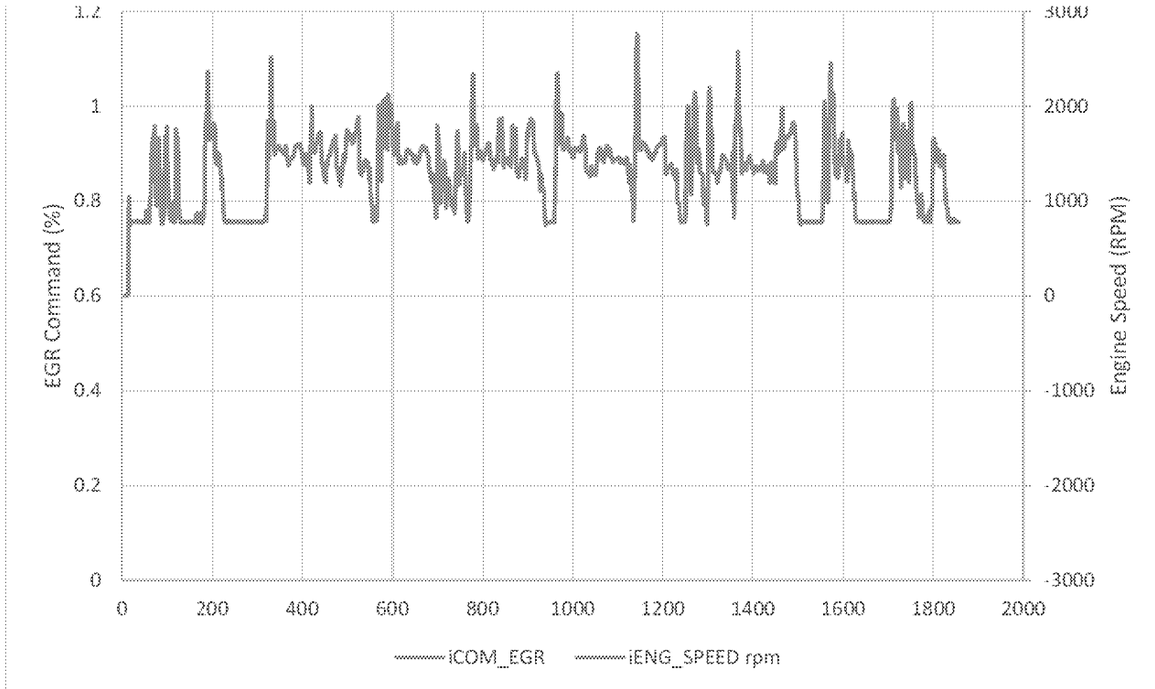

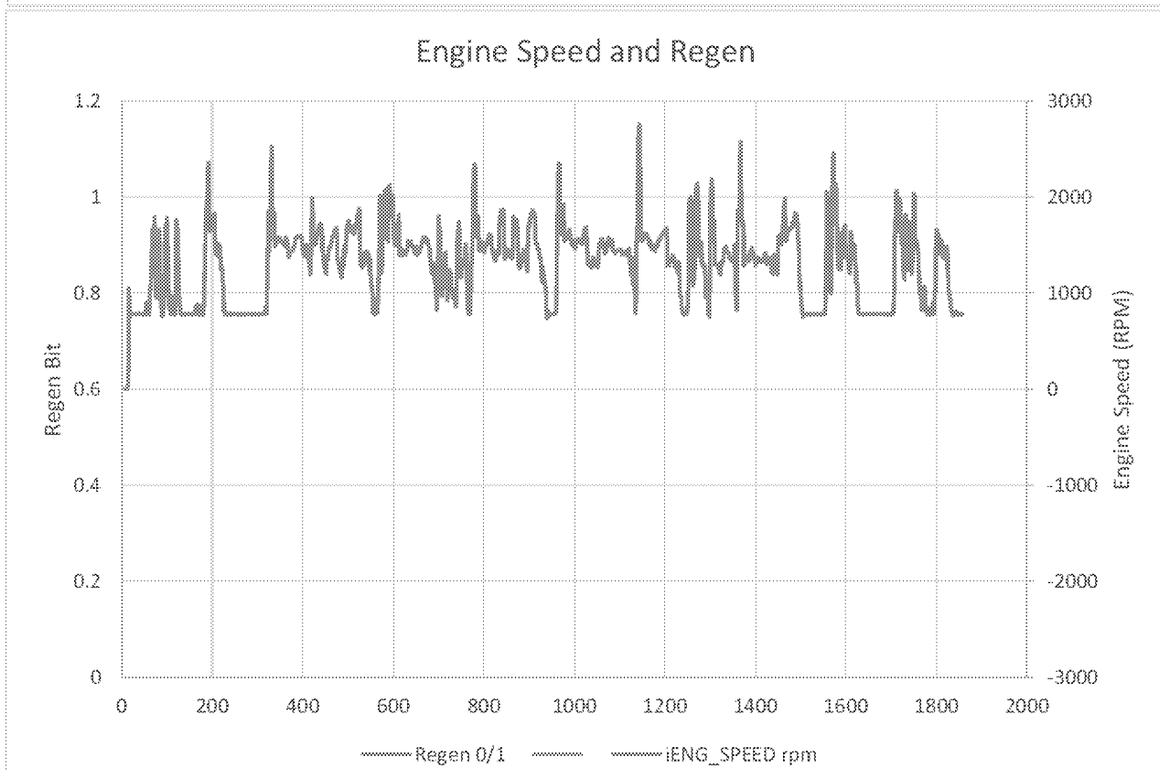

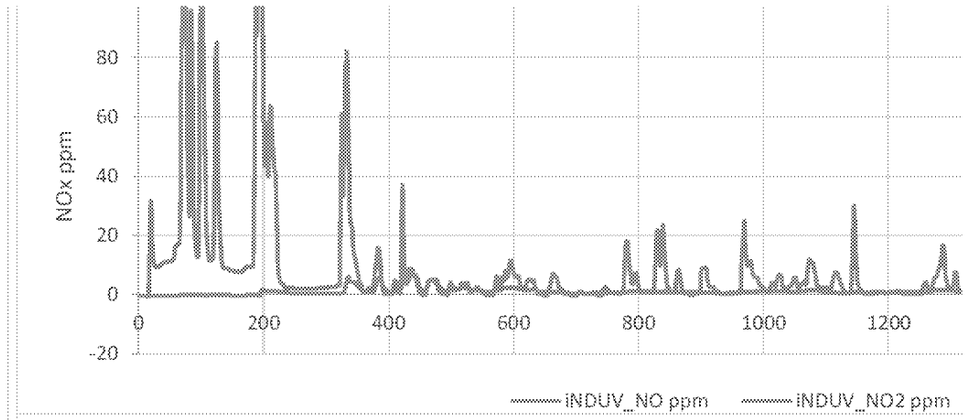

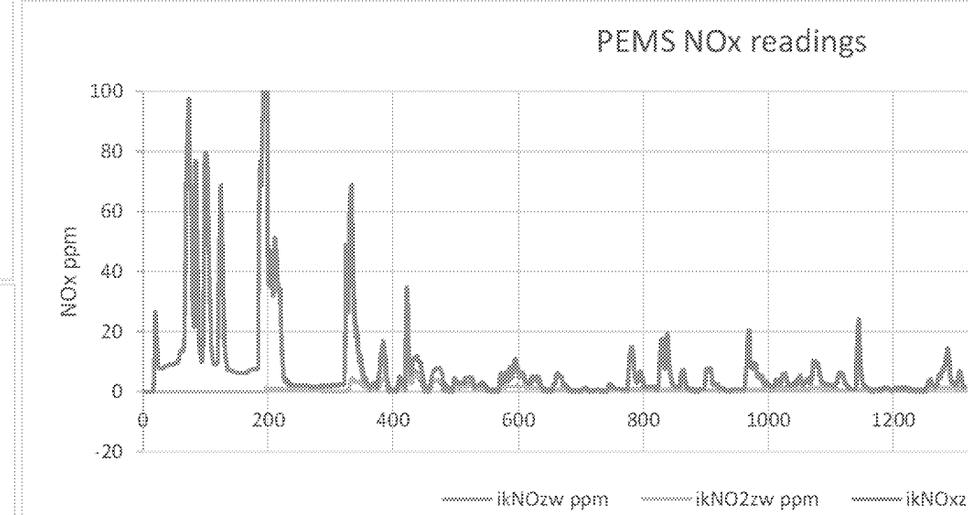

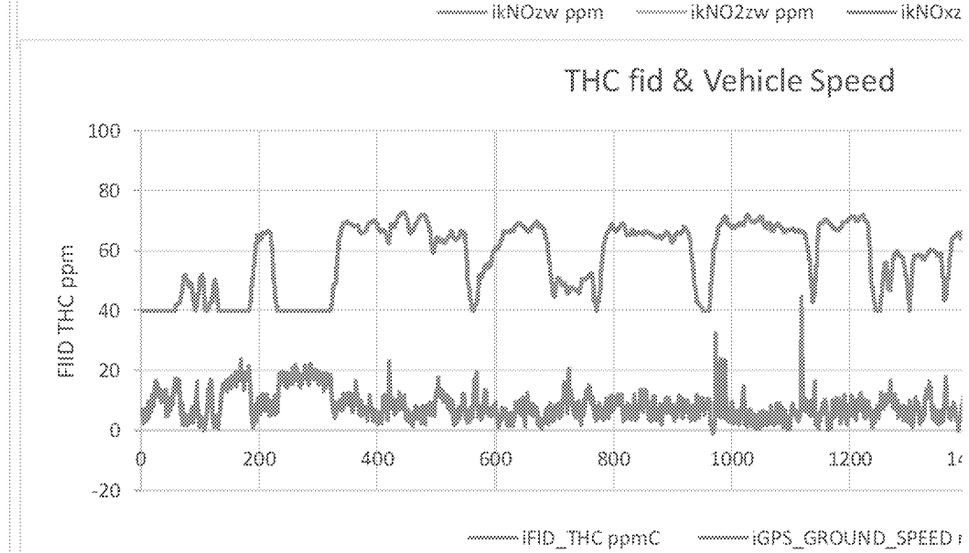

11:37:22.216	-7	0.00022	0.00019	0.00115	2.051	0.000198
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11:37:24.216	-7	0.00225	0.00037	0.00441	7.022	0.000679
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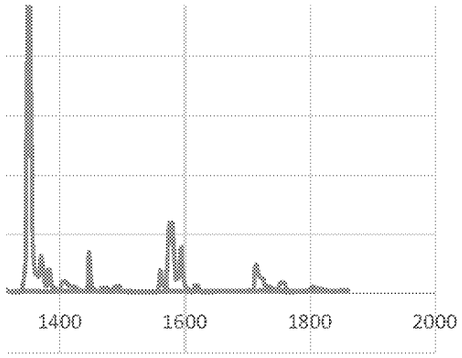

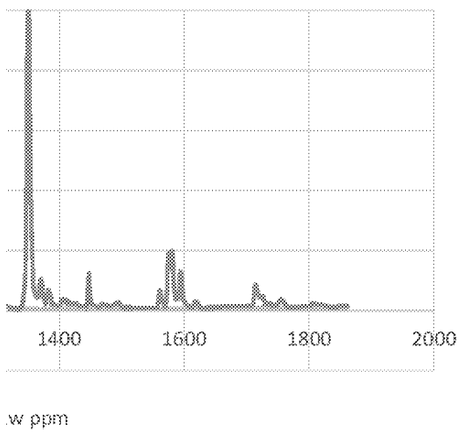

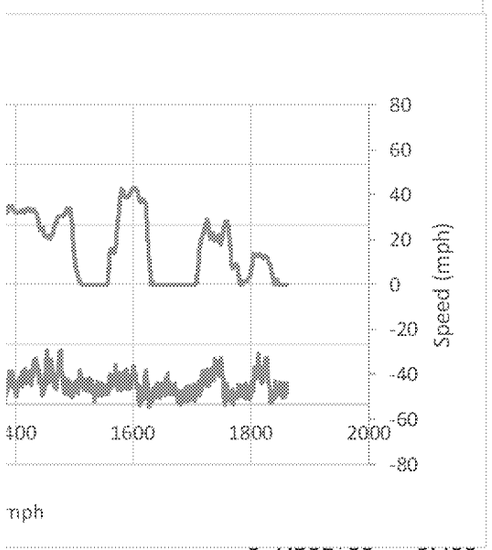

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0.9	7.70E+00	9.700
4	2.74E+01	34.700
4.2	6.22E+01	79.200

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-0.100	62.201	0.000	9.000

779	0	62.7	204.2	245.8
780	0	63.3	204.2	245.563268
779	0	63.2	204.2	245.30595
778	0	64.1	204.2	245.048633
779	0	63.8	204.746452	245
779	0	64	204.9	245
779	0	64.6	204.9	245
780	0	63.8	204.9	244.859522
781	0	62.9	205.738423	244.670962
779	0	63.2	206.1	244.482401
779	0	63.7	206.1	244.4
779	0	63.9	206.1	244.4
781	0	63.9	206.1	244.4
781	0	63.7	206.717602	244.259704
781	0	63.5	206.8	244.074861
781	0	63.5	206.8	243.890018
780	0	63.2	207.102737	243.8
778	0	63.1	207.4	243.8
778	0	63.9	207.4	243.8
779	0	63.8	207.4	243.8
780	0	63.5	207.573265	243.8
779	0	63	208	243.8
781	0	63.8	208	243.870731
779	0	63.2	208	244.217452
853	0	63.5	208	244.564172
808	0	60.7	208	244.910893
822	0	69.8	208	245.472962
877	0	69.1	208.443095	246.109518
849	0	59.2	208.7	246.746075
784	0	60	208.964	246.787114
776	0	61.7	209.3	246.082416
778	0	62.5	209.3	245.377718
779	0	62.9	209.3	244.90433
779	0	63.4	209.685357	244.698144
778	0	63.6	210	244.491959
781	0	63.8	210	244.4
809	0	72.7	210.568471	244.4
871	0	83	211.2	244.4
844	0.052	62.9	211.2	244.581062
769	0.584	64.3	211.305164	245.419311
869	0.015	86.5	211.9	246.25756
834	0	76.9	211.921273	247.095809
871	1.293	64.9	212.466727	249.375109
1071	2.567	67.2	212.5	251.66165
1486	5.189	73.4	212.873976	253.948191
1796	8.501	72.4	213.1	268.908541
1854	10.96	69.1	213.888281	294.665098

0.12003	0.00794	0.15616	208.811
0.12016	0.00802	0.15679	210.055
0.12029	0.0081	0.15742	211.293
0.12041	0.00818	0.15814	212.531
0.12053	0.00827	0.15888	213.774
0.12065	0.00834	0.1596	214.988
0.12077	0.00843	0.16032	216.204
0.12089	0.00851	0.16105	217.435
0.12101	0.0086	0.16178	218.671
0.12113	0.00868	0.16259	219.9
0.12124	0.00876	0.16334	221.131
0.12135	0.00885	0.16406	222.364
0.12146	0.00893	0.16478	223.598
0.12157	0.00903	0.1655	224.832
0.12168	0.00911	0.16622	226.065
0.12179	0.00921	0.16694	227.298
0.1219	0.0093	0.16766	228.533
0.12201	0.00939	0.16843	229.768
0.12212	0.00949	0.16925	230.997
0.12223	0.00958	0.17008	232.236
0.12234	0.00969	0.1709	233.473
0.12245	0.00977	0.17173	234.718
0.12256	0.00987	0.17235	235.962
0.12267	0.00996	0.17289	237.259
0.12279	0.01006	0.17347	238.646
0.12291	0.01017	0.17404	239.952
0.12303	0.01026	0.17469	241.263
0.12316	0.01038	0.1755	242.743
0.12329	0.01048	0.17629	244.168
0.12342	0.01061	0.17705	245.522
0.12355	0.01071	0.17779	246.825
0.12368	0.01081	0.17853	248.139
0.12381	0.01091	0.17926	249.431
0.12395	0.011	0.17999	250.691
0.12409	0.01111	0.18079	251.928
0.12422	0.01118	0.18161	253.146
0.12436	0.01128	0.18246	254.41
0.12451	0.01138	0.18338	255.786
0.12466	0.01149	0.18428	257.127
0.1248	0.01159	0.18514	258.41
0.12495	0.0117	0.18604	259.789
0.12511	0.01182	0.18693	261.287
0.12528	0.01194	0.18781	262.869
0.1255	0.01213	0.18896	264.92
0.12598	0.01246	0.19148	269.769
0.12823	0.01283	0.19589	276.791
0.13331	0.01305	0.19954	284.079

11:37:26.216	-7	0.00643	0.00014	0.00331	7.448	0.00072
11:37:27.216	-7	0.00695	0.00018	0.00365	8.225	0.000795
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11:37:29.216	-7	0.01254	0.00022	0.00605	17.173	0.001658
11:37:30.216	-7	0.01397	0.00004	0.00397	13.182	0.001274
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11:37:34.216	-7	0.03695	0.00031	0.00314	11.536	0.001114
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11:37:36.216	-7	0.01143	0.00015	0.00156	3.811	0.000369
11:37:37.216	-7	0.00656	0.00009	0.0019	3.071	0.000297
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11:37:39.216	-7	0.0029	0.00018	0.00232	1.842	0.000179
11:37:40.216	-7	0.00257	0.00022	0.00694	4.892	0.000474
11:37:41.216	-7	0.00302	0.0002	0.00486	6.742	0.000652
11:37:42.216	-7	0.00381	0.00013	0.00361	7.822	0.000756
11:37:43.216	-7	0.00335	0.00025	0.00256	6.686	0.000646
11:37:44.216	-7	0.00238	0.00011	0.00151	4.607	0.000445
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11:37:46.216	-7	0.00178	0.00016	0.00132	3.744	0.000362
11:37:47.216	-7	0.00172	0.00014	0.00181	3.821	0.00037
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11:37:59.216	-7	0.00093	0.00009	0.00054	1.11	0.000107
11:38:00.216	-7	0.00061	0.00005	0.00065	0.588	0.000057
11:38:01.216	-7	0.00038	0.00006	0.00074	0.332	0.000032
11:38:02.216	-7	0.00024	0.00005	0.00088	0.255	0.000025
11:38:03.216	-7	0.00018	0.00005	0.00097	0.273	0.000027
11:38:04.216	-7	0.00011	0.00006	0.00075	0.309	0.00003
11:38:05.216	-7	0.00009	0.00006	0.00067	0.352	0.000034
11:38:06.216	-7	0.00008	0.00006	0.00054	0.388	0.000038
11:38:07.216	-7	0.00007	0.00003	0.00081	0.452	0.000044
11:38:08.216	-7	0.00007	0.00004	0.00095	0.532	0.000052
11:38:09.216	-7	0.00007	0.00003	0.00085	0.651	0.000063
11:38:10.216	-7	0.00007	0.00004	0.0007	0.795	0.000077
11:38:11.216	-7	0.00006	0.00006	0.00095	0.936	0.000091
11:38:12.216	-7	0.00005	0.00006	0.00103	1.066	0.000103

10.6	7.65E+01	97.400	-0.100	76.500	0.000	5.400
10.8	7.50E+01	95.400	-0.100	74.969	0.000	6.300
15.1	6.88E+01	87.800	-0.100	68.782	0.000	1.700
15.3	6.94E+01	88.900	-0.100	69.407	0.000	4.000
19.7	8.56E+01	108.100	-0.100	85.633	0.000	0.900
20	9.52E+01	119.100	-0.200	95.202	0.000	5.400
25.8	1.31E+02	167.000	-0.300	131.356	0.000	5.700
26	2.20E+02	284.700	-0.300	220.249	0.000	5.200
29.7	3.04E+02	389.100	0.000	303.878	0.000	8.500
29.9	2.81E+02	352.100	0.800	280.057	0.612	3.000
33.5	1.97E+02	243.300	1.400	195.697	1.106	8.400
33.5	1.27E+02	155.600	1.500	125.944	1.204	6.000
32.9	7.66E+01	92.400	1.400	75.438	1.148	10.900
32.8	5.10E+01	60.000	1.400	49.849	1.164	10.500
31	3.58E+01	43.400	1.200	34.864	0.971	10.200
31	3.84E+01	47.400	1.200	37.407	0.946	8.600
32.2	4.53E+01	56.700	1.200	44.407	0.939	5.300
32.3	4.64E+01	58.200	1.100	45.558	0.868	11.600
34.2	4.44E+01	55.300	1.100	43.580	0.867	7.000
34.2	3.95E+01	48.500	1.100	38.669	0.878	11.900
34.5	3.34E+01	40.700	1.100	32.563	0.881	9.700
34.5	3.27E+01	39.800	1.100	31.843	0.879	8.600
34.3	4.10E+01	50.400	1.100	40.094	0.875	9.800
34.3	4.90E+01	60.900	1.100	48.153	0.870	6.800
34.5	5.10E+01	63.600	1.100	50.090	0.866	8.700
34.5	5.04E+01	63.000	1.100	49.549	0.865	6.400
34.6	4.60E+01	57.600	1.100	45.098	0.862	11.900
34.6	4.21E+01	52.800	1.100	41.285	0.860	8.800
35.2	3.97E+01	49.600	1.100	38.860	0.863	10.000
35.2	3.64E+01	45.000	1.200	35.474	0.946	10.300
35.2	3.40E+01	41.700	1.200	33.002	0.950	5.200
35.2	3.38E+01	41.200	1.200	32.822	0.956	7.900
34.5	3.44E+01	41.200	1.200	33.430	0.974	4.900
34.3	3.06E+01	35.700	1.200	29.566	0.994	9.400
29.1	2.16E+01	24.500	1.200	20.640	1.009	5.800
28.8	1.45E+01	16.000	1.100	13.551	0.932	7.500
20.6	1.01E+01	10.800	1.100	9.149	0.934	6.900
20.3	7.30E+00	7.600	1.000	6.443	0.855	6.500
12.3	5.40E+00	5.400	1.000	4.556	0.846	9.400
11.9	4.70E+00	4.600	0.900	3.894	0.758	11.400
5.9	4.40E+00	4.300	0.900	3.619	0.756	11.700
5.7	4.10E+00	4.000	0.900	3.355	0.753	5.400
2.5	4.10E+00	4.000	0.900	3.334	0.750	7.200
2.4	3.80E+00	3.800	0.800	3.155	0.663	6.100
0	3.70E+00	3.700	0.800	3.043	0.658	6.400
0	3.30E+00	3.200	0.800	2.631	0.653	11.500
0	2.80E+00	2.700	0.700	2.195	0.574	11.300

1898	13.305	73.7	215.576966	320.421654
1945	15.038	75.4	217.163806	341.652284
2035	17.247	78.2	218.307379	359.412504
2365	20.582	79.9	219.618049	377.172724
2177	23.618	41.2	222.033333	390.922845
1983	25.383	52.9	225.581036	402.560776
1907	27.175	93.1	227.895596	414.198707
1639	29.894	90	229.283272	420.435843
1769	32.301	73.8	231.2925	418.804008
1796	32.859	34.6	233.819608	417.172173
1788	32.91	50	236.671658	415.540338
1737	32.068	13.2	237.321383	395.050889
1675	30.849	31.5	237.885444	372.787091
1665	30.816	65.4	238	350.523293
1700	31.365	75.7	238.477829	354.866932
1747	32.202	79.5	239.068322	370.237416
1796	33.149	78.5	240.689818	385.6079
1823	33.69	64.1	242.740616	391.540272
1759	34.16	45.8	244.199309	385.509144
1460	34.16	51.8	245.576867	379.478016
1440	34.019	61.6	247.365039	375.427202
1411	33.631	64.1	248.213593	374.943175
1417	34.16	72.5	249.152229	374.459148
1415	34.16	74.8	250.016633	374.671082
1380	34.16	76.1	251.435274	376.884577
1388	34.33	79.1	252.926681	379.098072
1399	34.78	77.8	254.017257	379.67561
1413	34.78	65.8	255.034769	378.309331
1504	34.78	58.4	256.572059	376.943052
1478	34.78	58	257.80789	375.314268
1410	34.3	21.2	259.734495	358.50653
1351	33.287	3.3	260.379931	341.698791
1242	30.586	0	260.955408	324.891052
1273	26.66	0	261.1	310.191974
1254	22.616	6	261.530366	296.358369
1121	18.73	10.2	261.8	282.524763
1124	14.448	14.5	261.8	274.384466
1109	10.28	21.7	262.563519	269.391401
892	7.16	34.4	263.2	264.398336
819	4.709	42.5	263.2	263.669281
787	3.063	56.4	263.2	264.286755
772	1.921	65.7	263.2	264.90423
783	0.818	65.3	263.2	266.900089
779	0	63.5	263.2	270.163216
778	0	62.7	263.35778	273.426342
780	0	63.8	263.8	276.3793
778	0	62.5	263.8	277.574636

0.13974	0.01319	0.20285	291.527
0.14669	0.01337	0.2065	299.752
0.15474	0.01343	0.21097	310.45
0.16728	0.01365	0.21702	327.623
0.18125	0.01369	0.22099	340.805
0.19207	0.01387	0.22448	348.943
0.2084	0.01408	0.23259	359.835
0.24055	0.01431	0.24302	374.999
0.2775	0.01462	0.24616	386.535
0.29721	0.01468	0.24736	391.92
0.30864	0.01483	0.24892	395.731
0.3152	0.01492	0.25082	398.802
0.31849	0.01506	0.25179	400.972
0.32139	0.01524	0.25411	402.814
0.32396	0.01546	0.26105	407.706
0.32698	0.01566	0.26591	414.448
0.33079	0.01579	0.26952	422.27
0.33414	0.01604	0.27208	428.956
0.33652	0.01615	0.27359	433.563
0.33861	0.01634	0.27479	437.475
0.34039	0.0165	0.27611	441.219
0.34211	0.01664	0.27792	445.04
0.3443	0.0168	0.28	449.174
0.34693	0.01691	0.28253	453.62
0.34964	0.01705	0.28493	458.273
0.35234	0.01715	0.28703	463.038
0.35488	0.01735	0.28936	468.131
0.35715	0.01749	0.29236	473.208
0.35933	0.01765	0.29491	478.208
0.36138	0.01783	0.29661	483.043
0.36317	0.01791	0.2984	487.334
0.3645	0.018	0.29995	490.309
0.36565	0.01805	0.30085	492.222
0.36658	0.01814	0.30139	493.332
0.36719	0.01819	0.30204	493.92
0.36757	0.01825	0.30278	494.252
0.36781	0.0183	0.30366	494.507
0.36799	0.01835	0.30463	494.78
0.3681	0.01841	0.30538	495.089
0.36819	0.01847	0.30605	495.441
0.36827	0.01853	0.30659	495.829
0.36834	0.01856	0.3074	496.281
0.36841	0.0186	0.30835	496.813
0.36848	0.01863	0.3092	497.464
0.36855	0.01867	0.3099	498.259
0.36861	0.01873	0.31085	499.195
0.36866	0.01879	0.31188	500.261

11:38:13.216	-7	0.00005	0.0001	0.00084	1.157	0.000112
11:38:14.216	-7	0.00004	0.00009	0.00068	1.182	0.000114
11:38:15.216	-7	0.00004	0.00011	0.00065	1.233	0.000119
11:38:16.216	-7	0.00004	0.0001	0.00066	1.265	0.000122
11:38:17.216	-7	0.00004	0.00009	0.00066	1.266	0.000122
11:38:18.216	-7	0.00004	0.00011	0.00065	1.242	0.00012
11:38:19.216	-7	0.00004	0.00009	0.00071	1.237	0.00012
11:38:20.216	-7	0.00004	0.00011	0.00075	1.243	0.00012
11:38:21.216	-7	0.00004	0.00009	0.00074	1.236	0.00012
11:38:22.216	-7	0.00004	0.0001	0.00072	1.207	0.000117
11:38:23.216	-7	0.00004	0.00009	0.00073	1.214	0.000117
11:38:24.216	-7	0.00004	0.00008	0.00074	1.228	0.000119
11:38:25.216	-7	0.00004	0.0001	0.00074	1.233	0.000119
11:38:26.216	-7	0.00004	0.00008	0.00073	1.237	0.00012
11:38:27.216	-7	0.00004	0.0001	0.00073	1.238	0.00012
11:38:28.216	-7	0.00004	0.00009	0.00074	1.251	0.000121
11:38:29.216	-7	0.00004	0.0001	0.00073	1.25	0.000121
11:38:30.216	-7	0.00004	0.00009	0.00073	1.244	0.00012
11:38:31.216	-7	0.00004	0.0001	0.00073	1.239	0.00012
11:38:32.216	-7	0.00004	0.0001	0.00073	1.241	0.00012
11:38:33.216	-7	0.00004	0.00009	0.00073	1.243	0.00012
11:38:34.216	-7	0.00004	0.0001	0.00073	1.241	0.00012
11:38:35.216	-7	0.00004	0.00008	0.00073	1.242	0.00012
11:38:36.216	-7	0.00004	0.00011	0.00073	1.243	0.00012
11:38:37.216	-7	0.00004	0.0001	0.00073	1.241	0.00012
11:38:38.216	-7	0.00004	0.00011	0.00073	1.243	0.00012
11:38:39.216	-7	0.00003	0.00011	0.00073	1.237	0.00012
11:38:40.216	-7	0.00004	0.00009	0.00073	1.25	0.000121
11:38:41.216	-7	0.00003	0.00012	0.00073	1.245	0.00012
11:38:42.216	-7	0.00004	0.00009	0.00073	1.248	0.000121
11:38:43.216	-7	0.00004	0.00011	0.00073	1.251	0.000121
11:38:44.216	-7	0.00004	0.0001	0.00073	1.25	0.000121
11:38:45.216	-7	0.00003	0.0001	0.00073	1.249	0.000121
11:38:46.216	-7	0.00003	0.0001	0.00073	1.249	0.000121
11:38:47.216	-7	0.00003	0.00008	0.00073	1.243	0.00012
11:38:48.216	-7	0.00003	0.0001	0.00073	1.244	0.00012
11:38:49.216	-7	0.00003	0.00008	0.00072	1.236	0.00012
11:38:50.216	-7	0.00003	0.0001	0.00068	1.242	0.00012
11:38:51.216	-7	0.00003	0.00008	0.00062	1.23	0.000119
11:38:52.216	-7	0.00003	0.0001	0.00062	1.233	0.000119
11:38:53.216	-7	0.00003	0.0001	0.00062	1.236	0.00012
11:38:54.216	-7	0.00003	0.0001	0.00061	1.22	0.000118
11:38:55.216	-7	0.00003	0.0001	0.00062	1.232	0.000119
11:38:56.216	-7	0.00003	0.00009	0.00067	1.234	0.000119
11:38:57.216	-7	0.00003	0.00012	0.00073	1.242	0.00012
11:38:58.216	-7	0.00003	0.0001	0.00073	1.239	0.00012
11:38:59.216	-7	0.00003	0.0001	0.00072	1.236	0.00012

0	2.50E+00	2.400	0.700	1.947	0.565	18.400	780	0	62.4	263.8	278.769971
0	2.40E+00	2.300	0.700	1.853	0.564	16.400	779	0	62.4	264.351327	279.965306
0	2.30E+00	2.100	0.700	1.697	0.564	18.900	787	0	62.8	264.5	280.607996
0	2.30E+00	2.100	0.700	1.690	0.563	18.000	788	0	62.4	264.5	281.035768
0	2.20E+00	2.100	0.600	1.689	0.489	16.200	780	0	61.8	264.945372	281.463541
0	2.20E+00	2.100	0.600	1.689	0.483	19.500	780	0	62.2	265.2	281.474663
0	2.20E+00	2.100	0.600	1.689	0.483	16.100	780	0	62.4	265.2	281.290613
0	2.20E+00	2.100	0.600	1.688	0.482	19.400	782	0	63	265.2	281.106564
0	2.10E+00	2.100	0.500	1.688	0.402	16.200	780	0	64.2	265.2	280.813952
0	2.10E+00	2.100	0.500	1.688	0.402	18.800	778	0	64.7	265.2	280.372033
0	2.10E+00	2.100	0.500	1.688	0.402	16.000	778	0	64.3	265.404108	279.930114
0	2.10E+00	2.100	0.500	1.688	0.402	15.100	779	0	63	265.9	279.424974
0	2.10E+00	2.100	0.500	1.688	0.402	17.700	781	0	63.6	265.9	278.733172
0	2.10E+00	2.100	0.500	1.687	0.402	14.300	780	0	62.6	265.9	278.04137
0	2.00E+00	2.000	0.500	1.613	0.402	19.000	779	0	63	266.162182	277.453101
0	2.00E+00	2.000	0.500	1.606	0.401	15.400	781	0	62.8	266.6	277.047304
0	1.90E+00	2.000	0.400	1.606	0.321	18.900	780	0	62.8	266.623648	276.641507
0	1.90E+00	2.000	0.400	1.606	0.321	17.100	781	0	63.1	267.173602	276.23571
0	1.90E+00	2.000	0.400	1.606	0.321	18.200	781	0	63.4	267.2	275.858131
0	1.90E+00	2.000	0.400	1.606	0.321	18.500	780	0	63.3	267.2	275.483276
0	1.90E+00	2.000	0.400	1.606	0.321	16.300	780	0	63	267.577364	275.10842
0	1.90E+00	2.000	0.400	1.605	0.321	18.700	780	0	63	268.213442	274.617369
0	1.90E+00	2.000	0.400	1.605	0.321	15.400	781	0	63.4	268.6	273.980812
0	1.90E+00	2.000	0.400	1.605	0.321	20.700	778	0	62.7	268.6	273.344256
0	1.90E+00	2.000	0.400	1.605	0.321	18.800	778	0	62.4	268.740364	272.734662
0	1.90E+00	2.000	0.400	1.605	0.321	19.300	779	0	63	269.4	272.284055
0	1.90E+00	2.000	0.400	1.605	0.321	19.700	782	0	62.8	269.4	271.833449
0	1.90E+00	2.000	0.400	1.605	0.321	16.700	780	0	63.1	269.4	271.443775
0	1.90E+00	2.000	0.400	1.605	0.321	21.900	778	0	62.8	269.4	271.227525
0	1.90E+00	2.000	0.400	1.605	0.321	16.900	781	0	63.1	269.497898	271.011276
0	1.90E+00	2.000	0.400	1.605	0.321	20.100	779	0	62.4	270.1	270.788808
0	1.90E+00	2.000	0.400	1.605	0.321	17.700	781	0	63.4	270.1	270.30219
0	1.80E+00	1.900	0.400	1.525	0.321	18.300	776	0	63.5	270.1	269.815572
0	1.80E+00	1.900	0.400	1.525	0.321	18.900	781	0	63.5	270.1	269.359501
0	1.80E+00	1.900	0.400	1.525	0.321	15.200	779	0	63.2	270.24	269.082108
0	1.80E+00	1.900	0.400	1.525	0.321	19.000	781	0	62.7	270.8	268.804716
0	1.80E+00	1.900	0.400	1.525	0.321	14.300	778	0	62.5	270.8	268.43867
0	1.80E+00	1.900	0.400	1.525	0.321	18.400	781	0	63.1	270.8	267.822906
0	1.80E+00	1.900	0.400	1.525	0.321	15.600	781	0	63.1	270.8	267.207143
0	1.80E+00	1.900	0.400	1.525	0.321	18.700	779	0	63.1	270.8	266.593896
0	1.80E+00	1.900	0.400	1.526	0.321	18.200	782	0	63.5	270.8	266.157895
0	1.80E+00	1.900	0.400	1.526	0.321	19.100	782	0	62.9	270.8	265.721893
0	1.80E+00	1.900	0.400	1.526	0.321	19.200	780	0	62.4	270.8	265.285892
0	1.80E+00	1.900	0.400	1.526	0.321	17.000	779	0	62.6	270.8	265.2
0	1.80E+00	1.900	0.400	1.527	0.321	21.700	780	0	63.3	270.8	265.2
0	1.80E+00	1.900	0.400	1.527	0.322	18.200	779	0	63	270.8	265.2
0	1.80E+00	1.900	0.400	1.527	0.322	19.000	779	0	62.8	270.8	264.918969

0.36871	0.01889	0.31272	501.418
0.36875	0.01898	0.3134	502.6
0.36879	0.01909	0.31405	503.833
0.36883	0.01919	0.31471	505.098
0.36887	0.01928	0.31537	506.364
0.36891	0.01939	0.31602	507.606
0.36895	0.01948	0.31673	508.843
0.36899	0.01959	0.31748	510.086
0.36903	0.01968	0.31822	511.322
0.36907	0.01978	0.31894	512.529
0.36911	0.01987	0.31967	513.743
0.36915	0.01995	0.32041	514.971
0.36919	0.02005	0.32115	516.204
0.36923	0.02013	0.32188	517.441
0.36927	0.02023	0.32261	518.679
0.36931	0.02032	0.32335	519.93
0.36935	0.02042	0.32408	521.18
0.36939	0.02051	0.32481	522.424
0.36943	0.02061	0.32554	523.663
0.36947	0.02071	0.32627	524.904
0.36951	0.0208	0.327	526.147
0.36955	0.0209	0.32773	527.388
0.36959	0.02098	0.32846	528.63
0.36963	0.02109	0.32919	529.873
0.36967	0.02119	0.32992	531.114
0.36971	0.0213	0.33065	532.357
0.36974	0.02141	0.33138	533.594
0.36978	0.0215	0.33211	534.844
0.36981	0.02162	0.33284	536.089
0.36985	0.02171	0.33357	537.337
0.36989	0.02182	0.3343	538.588
0.36993	0.02192	0.33503	539.838
0.36996	0.02202	0.33576	541.087
0.36999	0.02212	0.33649	542.336
0.37002	0.0222	0.33722	543.579
0.37005	0.0223	0.33795	544.823
0.37008	0.02238	0.33867	546.059
0.37011	0.02248	0.33935	547.301
0.37014	0.02256	0.33997	548.531
0.37017	0.02266	0.34059	549.764
0.3702	0.02276	0.34121	551
0.37023	0.02286	0.34182	552.22
0.37026	0.02296	0.34244	553.452
0.37029	0.02305	0.34311	554.686
0.37032	0.02317	0.34384	555.928
0.37035	0.02327	0.34457	557.167
0.37038	0.02337	0.34529	558.403

11:39:00.216	-7	0.00003	0.0001	0.00072	1.236	0.00012
11:39:01.216	-7	0.00003	0.0001	0.00072	1.234	0.000119
11:39:02.216	-7	0.00003	0.0001	0.00073	1.237	0.00012
11:39:03.216	-7	0.00003	0.00008	0.00072	1.231	0.000119
11:39:04.216	-7	0.00003	0.00011	0.00072	1.232	0.000119
11:39:05.216	-7	0.00003	0.00009	0.00073	1.24	0.00012
11:39:06.216	-7	0.00003	0.00012	0.00073	1.239	0.00012
11:39:07.216	-7	0.00003	0.00011	0.00073	1.237	0.00012
11:39:08.216	-7	0.00004	0.0001	0.00073	1.231	0.000119
11:39:09.216	-7	0.00003	0.00011	0.00072	1.227	0.000119
11:39:10.216	-7	0.00003	0.0001	0.00073	1.225	0.000119
11:39:11.216	-7	0.00003	0.00011	0.00082	1.228	0.000119
11:39:12.216	-7	0.00003	0.00009	0.00083	1.23	0.000119
11:39:13.216	-7	0.00004	0.00011	0.00083	1.226	0.000119
11:39:14.216	-7	0.00004	0.00009	0.00083	1.234	0.000119
11:39:15.216	-7	0.00004	0.0001	0.00083	1.236	0.00012
11:39:16.216	-7	0.00004	0.00011	0.00083	1.228	0.000119
11:39:17.216	-7	0.00004	0.00009	0.00083	1.231	0.000119
11:39:18.216	-7	0.00004	0.00011	0.00083	1.232	0.000119
11:39:19.216	-7	0.00004	0.00008	0.00083	1.229	0.000119
11:39:20.216	-7	0.00004	0.00011	0.00082	1.224	0.000118
11:39:21.216	-7	0.00004	0.00009	0.00083	1.227	0.000119
11:39:22.216	-7	0.00004	0.0001	0.00083	1.233	0.000119
11:39:23.216	-7	0.00004	0.00009	0.00083	1.232	0.000119
11:39:24.216	-7	0.00004	0.00009	0.00083	1.233	0.000119
11:39:25.216	-7	0.00004	0.0001	0.00082	1.225	0.000119
11:39:26.216	-7	0.00004	0.00009	0.00083	1.231	0.000119
11:39:27.216	-7	0.00004	0.0001	0.00083	1.236	0.00012
11:39:28.216	-7	0.00004	0.00007	0.00083	1.236	0.00012
11:39:29.216	-7	0.00004	0.00008	0.00083	1.228	0.000119
11:39:30.216	-7	0.00004	0.00009	0.00083	1.233	0.000119
11:39:31.216	-7	0.00004	0.00008	0.00083	1.235	0.000119
11:39:32.216	-7	0.00004	0.0001	0.00083	1.239	0.00012
11:39:33.216	-7	0.00004	0.00008	0.0008	1.235	0.00012
11:39:34.216	-7	0.00004	0.0001	0.00073	1.236	0.00012
11:39:35.216	-7	0.00004	0.00008	0.00072	1.231	0.000119
11:39:36.216	-7	0.00005	0.00009	0.00075	1.277	0.000124
11:39:37.216	-7	0.00005	0.0001	0.0008	1.364	0.000132
11:39:38.216	-7	0.00005	0.0001	0.00075	1.273	0.000123
11:39:39.216	-7	0.00005	0.00011	0.00083	1.416	0.000137
11:39:40.216	-7	0.00006	0.00011	0.001	1.704	0.000165
11:39:41.216	-7	0.00014	0.00026	0.00216	3.613	0.00035
11:39:42.216	-7	0.00088	0.00029	0.00473	6.808	0.000658
11:39:43.216	-7	0.00234	0.00019	0.00284	5.871	0.000567
11:39:44.216	-7	0.00249	0.0001	0.00134	4.273	0.000413
11:39:45.216	-7	0.00197	0.0001	0.00037	2.901	0.000281
11:39:46.216	-7	0.00173	0.00013	0.00015	2.656	0.000257

0	1.80E+00	1.900	0.400	1.527	0.322	17.900	780	0	62.5	270.8	264.489257
0	1.80E+00	1.900	0.400	1.528	0.322	17.600	780	0	62.5	270.8	264.059546
0	1.80E+00	1.900	0.400	1.528	0.322	18.600	779	0	62.9	270.8	263.73127
0	1.90E+00	2.000	0.400	1.601	0.322	15.100	778	0	63.1	270.8	263.557709
0	1.90E+00	2.000	0.400	1.608	0.322	19.400	780	0	62.4	270.8	263.384148
0	1.90E+00	2.000	0.400	1.608	0.322	16.500	779	0	63.4	270.8	263.210587
0	1.90E+00	2.100	0.300	1.681	0.241	22.200	781	0	63.3	270.8	262.77221
0	1.90E+00	2.100	0.300	1.689	0.241	21.100	779	0	63.4	270.264884	262.316629
0	1.90E+00	2.100	0.300	1.689	0.248	18.700	778	0	63.5	270.1	261.861048
0	1.90E+00	2.100	0.300	1.689	0.241	19.600	780	0	64.1	270.1	261.57631
0	1.90E+00	2.100	0.300	1.689	0.241	18.700	781	0	63.6	270.1	261.318007
0	1.90E+00	2.100	0.300	1.689	0.241	19.700	781	0	63.5	269.975273	261.072471
0	1.90E+00	2.100	0.300	1.689	0.241	16.900	779	0	63.2	269.4	260.896
0	2.00E+00	2.200	0.300	1.769	0.241	20.200	780	0	63.1	269.4	260.719529
0	2.00E+00	2.200	0.300	1.769	0.241	17.300	780	0	63.1	269.4	260.543059
0	2.00E+00	2.200	0.300	1.769	0.241	17.800	779	0	63.1	268.762563	260.341509
0	2.00E+00	2.200	0.300	1.769	0.241	19.400	778	0	63.5	268.6	260.131866
0	2.10E+00	2.300	0.300	1.850	0.241	17.200	780	0	63.6	268.6	259.922222
0	2.10E+00	2.300	0.300	1.850	0.241	20.100	781	0	63.4	268.015174	259.8
0	2.10E+00	2.300	0.300	1.850	0.241	15.300	782	0	63.7	267.2	259.8
0	2.00E+00	2.200	0.300	1.775	0.241	19.800	782	0	63.1	267.018452	259.8
0	2.10E+00	2.300	0.300	1.843	0.241	16.800	777	0	63.2	266.6	259.746442
0	2.10E+00	2.300	0.300	1.850	0.241	18.000	782	0	63.6	266.434606	259.538047
0	2.20E+00	2.400	0.300	1.930	0.241	16.900	779	0	63.9	265.9	259.329652
0	2.20E+00	2.400	0.300	1.930	0.241	17.400	780	0	62.6	265.9	259.121256
0	2.20E+00	2.400	0.300	1.930	0.241	18.400	781	0	63.2	265.9	259.1
0	2.20E+00	2.400	0.300	1.930	0.241	15.900	779	0	63.7	265.430168	259.1
0	2.20E+00	2.400	0.300	1.930	0.241	19.000	779	0	63.7	265.2	259.1
0	2.20E+00	2.400	0.300	1.930	0.241	13.000	780	0	63.4	265.2	259.007504
0	2.20E+00	2.400	0.300	1.930	0.241	15.000	779	0	63.2	265.2	258.798236
0	2.20E+00	2.500	0.300	2.003	0.241	16.000	779	0	63.4	265.049132	258.588969
0	2.30E+00	2.500	0.300	2.009	0.241	14.200	782	0	62.8	264.5	258.380216
0	2.30E+00	2.600	0.300	2.090	0.241	17.800	781	0	62.8	264.5	258.176253
0	2.30E+00	2.600	0.300	2.089	0.241	14.400	782	0	63.9	264.5	257.97229
0	2.40E+00	2.700	0.300	2.169	0.241	19.000	781	0	63	263.994334	257.768328
0	2.50E+00	2.800	0.300	2.242	0.241	15.400	780	0	62.6	263.328285	257.986815
0	2.50E+00	2.800	0.300	2.250	0.241	16.800	835	0	67	263.2	258.418115
0	2.60E+00	2.900	0.300	2.323	0.241	16.700	861	0	66.7	263.2	258.849415
0	2.60E+00	2.900	0.300	2.329	0.241	17.100	800	0	61.9	262.610727	259.279828
0	2.60E+00	2.900	0.300	2.329	0.241	17.900	788	0.231	62.9	261.8	259.709013
0	2.60E+00	3.000	0.300	2.399	0.241	15.300	890	1.928	62.4	261.661261	260.138197
0.1	2.90E+00	3.300	0.300	2.623	0.239	18.400	1271	3.891	75.8	261.226636	263.092452
2.5	1.10E+01	13.800	0.200	10.856	0.158	11.900	1855	7.828	67.1	261.8	279.604887
2.8	3.59E+01	45.400	0.300	35.655	0.236	9.700	1760	10.894	57.9	261.8	296.117322
10.2	4.87E+01	61.100	0.400	48.367	0.310	6.500	1452	11.8	25.1	262.872611	312.629757
10.3	4.60E+01	56.500	0.700	45.414	0.556	7.900	1444	11.8	50	262.254364	317.012945
11.7	3.37E+01	40.500	0.800	33.038	0.653	8.200	1643	11.981	83.4	261.8	316.173096

0.37041	0.02347	0.34601	559.639
0.37044	0.02357	0.34673	560.873
0.37047	0.02367	0.34746	562.11
0.3705	0.02375	0.34818	563.341
0.37053	0.02386	0.3489	564.573
0.37056	0.02395	0.34963	565.813
0.37059	0.02407	0.35036	567.052
0.37062	0.02418	0.35109	568.289
0.37066	0.02428	0.35182	569.52
0.37069	0.02439	0.35254	570.747
0.37072	0.02449	0.35327	571.972
0.37075	0.0246	0.35409	573.2
0.37078	0.02469	0.35492	574.43
0.37082	0.0248	0.35575	575.656
0.37086	0.02489	0.35658	576.89
0.3709	0.02499	0.35741	578.126
0.37094	0.0251	0.35824	579.354
0.37098	0.02519	0.35907	580.585
0.37102	0.0253	0.3599	581.817
0.37106	0.02538	0.36073	583.046
0.3711	0.02549	0.36155	584.27
0.37114	0.02558	0.36238	585.497
0.37118	0.02568	0.36321	586.73
0.37122	0.02577	0.36404	587.962
0.37126	0.02586	0.36487	589.195
0.3713	0.02596	0.36569	590.42
0.37134	0.02605	0.36652	591.651
0.37138	0.02615	0.36735	592.887
0.37142	0.02622	0.36818	594.123
0.37146	0.0263	0.36901	595.351
0.3715	0.02639	0.36984	596.584
0.37154	0.02647	0.37067	597.819
0.37158	0.02657	0.3715	599.058
0.37162	0.02665	0.3723	600.293
0.37166	0.02675	0.37303	601.529
0.3717	0.02683	0.37375	602.76
0.37175	0.02692	0.3745	604.037
0.3718	0.02702	0.3753	605.401
0.37185	0.02712	0.37605	606.674
0.3719	0.02723	0.37688	608.09
0.37196	0.02734	0.37788	609.794
0.3721	0.0276	0.38004	613.407
0.37298	0.02789	0.38477	620.215
0.37532	0.02808	0.38761	626.086
0.37781	0.02818	0.38895	630.359
0.37978	0.02828	0.38932	633.26
0.38151	0.02841	0.38947	635.916

11:39:47.216	-7	0.00261	0.00012	0.00815	6.869	0.000665
11:39:48.216	-7	0.00605	0.00034	0.01092	13.513	0.001306
11:39:49.216	-7	0.01038	0.00029	0.00904	17.154	0.001657
11:39:50.216	-7	0.01217	0.00055	0.00656	17.668	0.001707
11:39:51.216	-7	0.00909	0.00035	0.00467	11.244	0.001087
11:39:52.216	-7	0.00651	0.00021	0.00418	7.928	0.000766
11:39:53.216	-7	0.00536	0.0002	0.00307	6.972	0.000674
11:39:54.216	-7	0.00428	0.00017	0.00254	6.773	0.000654
11:39:55.216	-7	0.0031	0.00022	0.00215	6.486	0.000627
11:39:56.216	-7	0.00232	0.00015	0.00215	5.974	0.000577
11:39:57.216	-7	0.00167	0.00019	0.00221	5.15	0.000498
11:39:58.216	-7	0.00136	0.00013	0.00229	4.857	0.000469
11:39:59.216	-7	0.00118	0.00011	0.00212	4.403	0.000426
11:40:00.216	-7	0.00097	0.0001	0.00198	3.604	0.000348
11:40:01.216	-7	0.00094	0.0001	0.00203	3.32	0.000321
11:40:02.216	-7	0.00081	0.00016	0.00152	2.83	0.000274
11:40:03.216	-7	0.00065	0.00012	0.00163	2.544	0.000246
11:40:04.216	-7	0.00062	0.00016	0.00284	3.197	0.000309
11:40:05.216	-7	0.00057	0.00011	0.00175	3.371	0.000326
11:40:06.216	-7	0.0005	0.00014	0.00142	3.093	0.000299
11:40:07.216	-7	0.00046	0.00014	0.00093	2.703	0.000261
11:40:08.216	-7	0.0004	0.00014	0.00066	1.964	0.00019
11:40:09.216	-7	0.00033	0.00013	0.00083	1.419	0.000137
11:40:10.216	-7	0.00028	0.0001	0.00129	1.301	0.000126
11:40:11.216	-7	0.00023	0.00013	0.00148	1.315	0.000128
11:40:12.216	-7	0.0002	0.00009	0.00146	1.283	0.000124
11:40:13.216	-7	0.00018	0.00011	0.00162	1.258	0.000122
11:40:14.216	-7	0.00016	0.0001	0.0016	1.123	0.000109
11:40:15.216	-7	0.00016	0.00009	0.00122	0.674	0.000065
11:40:16.216	-7	0.00014	0.00013	0.00076	0.371	0.000036
11:40:17.216	-7	0.00012	0.00006	0.00146	0.237	0.000023
11:40:18.216	-7	0.00009	0.0001	0.00146	0.176	0.000017
11:40:19.216	-7	0.00007	0.00007	0.00118	0.162	0.000015
11:40:20.216	-7	0.00006	0.0001	0.00165	0.274	0.000027
11:40:21.216	-7	0.00005	0.0001	0.00254	0.894	0.000087
11:40:22.216	-7	0.00005	0.00012	0.00302	1.791	0.000174
11:40:23.216	-7	0.00006	0.00022	0.0025	2.408	0.000233
11:40:24.216	-7	0.00006	0.00014	0.00189	2.522	0.000244
11:40:25.216	-7	0.00007	0.00014	0.00128	2.324	0.000225
11:40:26.216	-7	0.00008	0.00009	0.0006	1.658	0.00016
11:40:27.216	-7	0.00009	0.00009	0.00019	0.841	0.000081
11:40:28.216	-7	0.00008	0.00006	0.00037	0.432	0.000042
11:40:29.216	-7	0.00008	0.00005	0.00139	0.294	0.000029
11:40:30.216	-7	0.00007	0.00008	0.0022	0.71	0.000069
11:40:31.216	-7	0.00006	0.00006	0.00333	1.619	0.000157
11:40:32.216	-7	0.00005	0.00013	0.00311	2.659	0.000258
11:40:33.216	-7	0.00007	0.00007	0.00206	3.093	0.000299

11.7	2.70E+01	33.000	0.800	26.393	0.641	4.000
12.3	3.92E+01	48.900	0.900	38.547	0.703	7.400
12.7	5.63E+01	70.600	1.300	55.308	1.004	5.200
18.9	6.26E+01	77.300	2.400	60.710	1.922	9.300
19.4	6.57E+01	78.900	3.900	62.578	3.127	8.400
26.9	6.88E+01	82.300	4.700	65.109	3.698	7.400
27.2	6.86E+01	82.000	5.300	64.498	4.144	8.500
31.3	5.81E+01	68.300	5.800	53.583	4.548	7.700
31.4	4.33E+01	49.300	5.800	38.696	4.558	10.000
33.8	3.34E+01	37.200	5.200	29.369	4.068	7.400
33.9	2.70E+01	29.700	4.500	23.471	3.574	10.100
35.9	2.35E+01	25.400	4.300	20.087	3.405	7.100
36	2.21E+01	23.600	4.300	18.714	3.404	6.800
37.9	2.17E+01	23.000	4.300	18.261	3.411	7.600
37.9	2.11E+01	22.100	4.300	17.669	3.431	7.200
38.6	1.86E+01	18.800	4.200	15.178	3.385	12.200
38.6	1.55E+01	15.100	4.000	12.215	3.245	9.400
38.8	1.39E+01	13.500	3.900	10.755	3.118	12.300
38.8	1.30E+01	12.400	3.900	9.886	3.103	8.600
39.6	1.23E+01	11.700	3.700	9.331	2.951	11.500
39.6	1.17E+01	11.100	3.500	8.928	2.819	11.800
39.7	1.07E+01	9.800	3.300	7.963	2.698	12.100
39.7	9.20E+00	8.200	3.000	6.737	2.482	12.300
39	7.80E+00	6.700	2.600	5.581	2.176	9.400
39	6.40E+00	5.400	2.400	4.429	1.992	12.400
38.7	5.70E+00	4.600	2.200	3.823	1.829	8.300
38.7	5.10E+00	4.000	2.100	3.341	1.747	10.100
38.7	4.60E+00	3.600	1.900	3.007	1.587	9.200
38.7	4.50E+00	3.500	1.800	2.946	1.524	8.000
38.2	4.10E+00	3.100	1.700	2.637	1.442	12.200
38.2	3.40E+00	2.300	1.700	1.917	1.447	6.000
37.6	2.70E+00	1.600	1.500	1.373	1.283	10.000
37.6	2.10E+00	1.100	1.300	0.953	1.117	7.100
37.4	1.70E+00	0.900	1.100	0.772	0.942	9.900
37.4	1.40E+00	0.700	1.000	0.593	0.844	9.200
37.6	1.20E+00	0.600	0.900	0.493	0.747	10.100
37.6	1.50E+00	0.800	1.000	0.647	0.809	16.700
38.2	1.60E+00	1.100	0.900	0.873	0.732	12.200
38.2	1.90E+00	1.500	0.900	1.194	0.726	12.200
37.7	2.50E+00	2.100	1.000	1.698	0.818	8.500
37.6	2.80E+00	2.300	1.000	1.922	0.836	9.800
35.8	2.70E+00	2.300	0.900	1.945	0.768	6.700
35.7	2.40E+00	1.900	0.900	1.635	0.765	5.300
34.3	1.80E+00	1.300	0.800	1.117	0.674	7.200
34.3	1.40E+00	0.900	0.800	0.757	0.660	4.800
34.2	1.30E+00	0.800	0.800	0.645	0.645	10.000
34.2	1.50E+00	1.000	0.900	0.788	0.714	5.100

1912	13.176	77	261.8	315.333246
2296	16.601	69.5	261.8	324.592919
2426	20.046	75.8	261.8	364.808037
2524	24.268	75	261.834743	405.023155
2285	27.819	67.4	263.121507	445.238273
1912	29.724	75.7	263.2	444.962371
1743	31.355	83.1	263.604462	440.137423
1779	32.827	79	263.8	435.312474
1836	33.909	72	263.8	428.204114
1838	34.918	71.2	263.8	418.812343
1563	36.037	71.3	263.931996	409.420572
1491	36.67	64.2	264.5	399.847766
1519	37.743	63.6	264.614655	389.216025
1534	37.88	51.6	265.2	378.584284
1532	37.88	6.4	265.2	367.952542
1541	38.265	34.7	265.2	362.749417
1555	38.5	49.7	265.2	358.142776
1572	38.77	48	265.2	353.536135
1578	39.12	40.8	265.2	345.947505
1578	39.12	31.9	265.586034	335.996796
1581	39.12	23.8	265.9	326.046087
1570	39.025	18.4	266.122785	316.11963
1556	38.538	34.5	266.6	306.246651
1542	37.975	30.5	266.6	296.373672
1542	37.88	24.7	267.141144	286.500693
1543	38.272	16.1	267.2	277.302572
1542	38.5	5.6	268.19904	268.225416
1537	38.208	0.5	269.084986	259.14826
1529	37.88	0	269.4	250.68825
1515	37.776	0	269.712697	242.747644
1499	37.26	0	270.1	234.807037
1493	37.26	6.4	270.413727	230.891284
1500	37.26	23.6	270.8	231.995293
1542	37.26	46.6	270.8	233.099303
1555	37.26	45.2	270.828636	234.228613
1579	37.695	46	271.465	243.766185
1583	37.88	44.8	272.024168	253.303757
1539	37.587	19.8	272.572545	262.841329
1480	36.849	0	273.914013	260.898431
1436	35.91	0	274.9	249.293331
1394	35.045	0	275.182314	237.688231
1368	33.95	19.6	275.5	233.205122
1379	33.53	50.8	275.5	236.314878
1411	33.53	56.3	275.719108	239.424634
1422	33.572	52.2	276.2	243.978419
1427	34.072	52.2	276.285366	254.166749
1433	34.16	50.8	276.836113	264.355079

0.38412	0.02853	0.39762	642.785
0.39017	0.02887	0.40854	656.298
0.40055	0.02916	0.41758	673.452
0.41272	0.02971	0.42414	691.12
0.42181	0.03006	0.42881	702.364
0.42832	0.03027	0.43299	710.292
0.43368	0.03047	0.43606	717.264
0.43796	0.03064	0.4386	724.037
0.44106	0.03086	0.44075	730.523
0.44338	0.03101	0.4429	736.497
0.44505	0.0312	0.44511	741.647
0.44641	0.03133	0.4474	746.504
0.44759	0.03144	0.44952	750.907
0.44856	0.03154	0.4515	754.511
0.4495	0.03164	0.45353	757.831
0.45031	0.0318	0.45505	760.661
0.45096	0.03192	0.45668	763.205
0.45158	0.03208	0.45952	766.402
0.45215	0.03219	0.46127	769.773
0.45265	0.03233	0.46269	772.866
0.45311	0.03247	0.46362	775.569
0.45351	0.03261	0.46428	777.533
0.45384	0.03274	0.46511	778.952
0.45412	0.03284	0.4664	780.253
0.45435	0.03297	0.46788	781.568
0.45455	0.03306	0.46934	782.851
0.45473	0.03317	0.47096	784.109
0.45489	0.03327	0.47256	785.232
0.45505	0.03336	0.47378	785.906
0.45519	0.03349	0.47454	786.277
0.45531	0.03355	0.476	786.514
0.4554	0.03365	0.47746	786.69
0.45547	0.03372	0.47864	786.852
0.45553	0.03382	0.48029	787.126
0.45558	0.03392	0.48283	788.02
0.45563	0.03404	0.48585	789.811
0.45569	0.03426	0.48835	792.219
0.45575	0.0344	0.49024	794.741
0.45582	0.03454	0.49152	797.065
0.4559	0.03463	0.49212	798.723
0.45599	0.03472	0.49231	799.564
0.45607	0.03478	0.49268	799.996
0.45615	0.03483	0.49407	800.29
0.45622	0.03491	0.49627	801
0.45628	0.03497	0.4996	802.619
0.45633	0.0351	0.50271	805.278
0.4564	0.03517	0.50477	808.371

11:40:34.216	-7	0.0001	0.00011	0.00152	3.202	0.00031
11:40:35.216	-7	0.00017	0.0001	0.0014	3.535	0.000342
11:40:36.216	-7	0.00026	0.00011	0.00149	3.858	0.000373
11:40:37.216	-7	0.00035	0.00011	0.00176	4.135	0.0004
11:40:38.216	-7	0.00047	0.0001	0.00196	4.412	0.000427
11:40:39.216	-7	0.00061	0.00014	0.0021	4.625	0.000447
11:40:40.216	-7	0.00079	0.00011	0.00248	5.401	0.000522
11:40:41.216	-7	0.00094	0.00013	0.00296	6.264	0.000605
11:40:42.216	-7	0.001	0.00006	0.00196	6.182	0.000597
11:40:43.216	-7	0.00098	0.00008	0.00164	5.586	0.000539
11:40:44.216	-7	0.00087	0.00012	0.00176	4.618	0.000446
11:40:45.216	-7	0.00069	0.0001	0.00151	3.707	0.000358
11:40:46.216	-7	0.00051	0.00015	0.00059	2.426	0.000235
11:40:47.216	-7	0.00041	0.00007	0.00001	1.345	0.00013
11:40:48.216	-7	0.00028	0.00011	0.00056	0.654	0.000063
11:40:49.216	-7	0.0002	0.00006	0.00083	0.353	0.000034
11:40:50.216	-7	0.00014	0.00007	0.00102	0.263	0.000026
11:40:51.216	-7	0.00009	0.00007	0.00122	0.21	0.000021
11:40:52.216	-7	0.00008	0.00004	0.00142	0.193	0.000019
11:40:53.216	-7	0.00006	0.00008	0.0016	0.183	0.000018
11:40:54.216	-7	0.00004	0.00004	0.00159	0.166	0.000016
11:40:55.216	-7	0.00004	0.00008	0.00158	0.148	0.000016
11:40:56.216	-7	0.00003	0.00003	0.00145	0.141	0.000016
11:40:57.216	-7	0.00003	0.00004	0.0013	0.12	0.000015
11:40:58.216	-7	0.00003	0.00005	0.00125	0.102	0.000015
11:40:59.216	-7	0.00002	0.00002	0.00121	0.095	0.000014
11:41:00.216	-7	0.00002	0.00006	0.00101	0.088	0.000014
11:41:01.216	-7	0.00002	0.00002	0.00096	0.08	0.000014
11:41:02.216	-7	0.00002	0.00005	0.00094	0.082	0.000013
11:41:03.216	-7	0.00002	0.00003	0.00158	0.142	0.000016
11:41:04.216	-7	0.00003	0.00007	0.00379	1.335	0.00013
11:41:05.216	-7	0.00003	0.00008	0.00493	2.977	0.000289
11:41:06.216	-7	0.00006	0.00003	0.00336	3.46	0.000335
11:41:07.216	-7	0.00011	0.00006	0.00209	3.399	0.000329
11:41:08.216	-7	0.00016	0.00005	0.00155	2.98	0.000288
11:41:09.216	-7	0.00016	0.00011	0.00119	2.411	0.000233
11:41:10.216	-7	0.00016	0.00009	0.00071	1.651	0.00016
11:41:11.216	-7	0.00014	0.00011	0.00053	0.993	0.000096
11:41:12.216	-7	0.00011	0.00008	0.00052	0.554	0.000054
11:41:13.216	-7	0.00009	0.00005	0.00061	0.308	0.00003
11:41:14.216	-7	0.00007	0.00007	0.00081	0.202	0.00002
11:41:15.216	-7	0.00005	0.00004	0.00097	0.144	0.000014
11:41:16.216	-7	0.00005	0.00007	0.00123	0.143	0.000014
11:41:17.216	-7	0.00009	0.00006	0.00246	1.125	0.000109
11:41:18.216	-7	0.00013	0.00033	0.1948	6.404	0.00065
11:41:19.216	-7	0.00112	0.00109	0.49328	14.442	0.001472
11:41:20.216	-7	0.0031	0.00078	0.30011	11.278	0.001136

34.6	2.30E+00	1.900	0.900	1.555	0.720	7.800
34.6	3.50E+00	3.400	1.000	2.683	0.792	6.800
34.9	5.00E+00	5.000	1.200	4.013	0.944	6.800
34.9	6.50E+00	6.400	1.700	5.126	1.333	6.900
35.2	8.10E+00	8.100	2.100	6.474	1.657	5.500
35.2	1.04E+01	10.200	2.900	8.108	2.282	8.100
36	1.28E+01	12.600	3.700	9.927	2.882	5.700
36.1	1.42E+01	13.900	4.300	10.821	3.337	6.300
37.4	1.57E+01	15.300	4.900	11.890	3.802	3.000
37.5	1.67E+01	15.800	5.600	12.336	4.357	4.600
38.8	1.66E+01	15.400	5.700	12.131	4.481	7.800
38.8	1.48E+01	12.800	5.800	10.181	4.602	7.400
39.6	1.25E+01	9.700	5.800	7.821	4.694	12.000
39.6	1.07E+01	7.400	5.500	6.117	4.567	6.400
39.5	7.60E+00	4.400	4.500	3.738	3.814	9.400
39.5	5.40E+00	2.800	3.500	2.355	3.013	5.700
39.6	3.80E+00	1.600	2.800	1.393	2.408	6.000
39.6	2.50E+00	0.700	2.200	0.621	1.893	5.800
39.9	2.00E+00	0.300	2.000	0.269	1.714	3.300
39.9	1.50E+00	0.100	1.600	0.092	1.373	7.100
40	1.20E+00	0.000	1.400	0.000	1.200	3.200
40	1.10E+00	0.000	1.300	0.000	1.109	6.700
39.5	9.00E-01	0.000	1.000	0.000	0.860	3.200
39.4	8.00E-01	0.000	0.900	0.000	0.775	4.100
38.6	8.00E-01	0.000	0.900	0.000	0.768	4.900
38.5	7.00E-01	0.000	0.800	0.000	0.683	2.200
37.1	7.00E-01	0.000	0.800	0.000	0.683	6.300
37	7.00E-01	0.000	0.800	0.000	0.683	2.000
35.7	7.00E-01	0.000	0.800	0.000	0.683	5.700
35.7	7.00E-01	0.000	0.800	0.000	0.683	3.100
35	7.00E-01	0.000	0.800	0.000	0.670	4.700
35	7.00E-01	0.000	0.800	0.000	0.651	4.900
35.4	1.40E+00	1.000	0.800	0.761	0.639	2.400
35.4	2.60E+00	2.400	0.900	1.867	0.715	4.700
36.1	4.20E+00	4.100	1.100	3.297	0.871	4.400
36.1	4.80E+00	4.700	1.300	3.759	1.037	11.100
35.8	5.00E+00	4.700	1.400	3.840	1.144	9.600
35.7	4.80E+00	4.300	1.400	3.606	1.165	12.000
34.5	4.00E+00	3.400	1.400	2.830	1.181	9.800
34.5	3.10E+00	2.200	1.400	1.912	1.190	6.000
33.5	2.60E+00	1.600	1.400	1.386	1.194	9.100
33.4	2.10E+00	1.100	1.400	0.953	1.196	4.800
31.6	1.70E+00	0.700	1.300	0.613	1.112	8.000
31.5	1.50E+00	0.500	1.300	0.429	1.096	3.300
30	1.20E+00	0.300	1.200	0.249	0.971	10.000
30.2	7.20E+00	7.500	1.700	5.875	1.301	23.100
33.3	2.42E+01	27.500	3.400	21.586	2.631	20.200

1443	34.16	51.3	277.603528	274.543408
1440	34.612	55.1	278.3	280.965714
1441	34.78	59.4	278.3	287.251429
1452	34.78	59.5	279.4115	293.537143
1483	35.524	68.7	279.6	302.397222
1483	36.02	79	279.6	311.841667
1487	36.414	80.4	279.6	321.286111
1515	37.318	81.4	279.6	331.986384
1545	38.149	78	278.333068	343.094177
1565	38.714	64.6	277.256364	354.201971
1579	39.12	38.8	276.615867	352.270378
1587	39.12	8.3	275.965127	331.261458
1573	39.12	0	275.151364	310.252538
1573	39.12	0	273.89967	290.037222
1580	39.12	0	272.449245	274.148333
1587	39.12	0	271.277496	258.259444
1592	39.295	0	270.8	245.17541
1596	39.74	0	270.205988	235.451037
1598	39.74	0	269.153904	225.726665
1599	39.683	0	268.264	216.879939
1589	39.158	0	267.000561	211.03896
1577	39.12	0	265.839435	205.197982
1556	38.593	0	265.201913	199.357003
1527	38.053	0	264.502797	195.863691
1493	37.109	0	263.944019	192.47843
1456	36.306	0	262.430996	189.09317
1419	35.489	0	261.378976	186.692742
1394	34.576	4.7	260.785794	184.901063
1385	34.16	24.6	260.196438	183.109384
1386	34.16	51.4	259.8	188.573042
1412	34.21	63.7	259.625331	209.105477
1461	35.424	71.3	258.970207	229.637913
1443	35.983	55.6	258.339982	249.069746
1495	36.02	50.7	257.708213	250.293362
1460	35.607	21.1	257.7	251.516978
1420	34.988	2.9	256.626594	252.740593
1388	34.427	0	255.826514	243.569526
1357	33.865	0	255.243745	231.60192
1330	33.284	0	255	219.634313
1305	32.711	0	254.668736	210.311302
1269	31.975	0	254.4	204.168796
1207	30.848	0	254.183439	198.02629
1198	29.81	12.6	253.546776	199.233758
1514	29.81	91.6	252.92185	230.212334
1688	31.195	99.6	252.363636	261.190909
1862	34.13	91.8	251.250046	292.169485
1991	36.635	64.4	249.556267	303.013722

0.4565	0.03528	0.50629	811.573
0.45667	0.03538	0.50769	815.108
0.45693	0.03549	0.50918	818.966
0.45728	0.0356	0.51094	823.101
0.45775	0.0357	0.5129	827.513
0.45836	0.03584	0.515	832.138
0.45915	0.03595	0.51748	837.539
0.46009	0.03608	0.52044	843.803
0.46109	0.03614	0.5224	849.985
0.46207	0.03622	0.52404	855.571
0.46294	0.03634	0.5258	860.189
0.46363	0.03644	0.52731	863.896
0.46414	0.03659	0.5279	866.322
0.46455	0.03666	0.52791	867.667
0.46483	0.03677	0.52847	868.321
0.46503	0.03683	0.5293	868.674
0.46517	0.0369	0.53032	868.937
0.46526	0.03697	0.53154	869.147
0.46534	0.03701	0.53296	869.34
0.4654	0.03709	0.53456	869.523
0.46544	0.03713	0.53615	869.689
0.46548	0.03721	0.53773	869.837
0.46551	0.03724	0.53918	869.978
0.46554	0.03728	0.54048	870.098
0.46557	0.03733	0.54173	870.2
0.46559	0.03735	0.54294	870.295
0.46561	0.03741	0.54395	870.383
0.46563	0.03743	0.54491	870.463
0.46565	0.03748	0.54585	870.545
0.46567	0.03751	0.54743	870.687
0.4657	0.03758	0.55122	872.022
0.46573	0.03766	0.55615	874.999
0.46579	0.03769	0.55951	878.459
0.4659	0.03775	0.5616	881.858
0.46606	0.0378	0.56315	884.838
0.46622	0.03791	0.56434	887.249
0.46638	0.038	0.56505	888.9
0.46652	0.03811	0.56558	889.893
0.46663	0.03819	0.5661	890.447
0.46672	0.03824	0.56671	890.755
0.46679	0.03831	0.56752	890.957
0.46684	0.03835	0.56849	891.101
0.46689	0.03842	0.56972	891.244
0.46698	0.03848	0.57218	892.369
0.46711	0.03881	0.76698	898.773
0.46823	0.0399	1.26026	913.215
0.47133	0.04068	1.56037	924.493

11:41:21.216	-7	0.00212	0.00026	0.0422	4.039	0.000397
11:41:22.216	-7	0.00145	0.0001	0.00901	1.851	0.00018
11:41:23.216	-7	0.00091	0.00013	0.00506	1.083	0.000106
11:41:24.216	-7	0.00056	0.00009	0.00431	0.656	0.000064
11:41:25.216	-7	0.00039	0.00011	0.00432	0.518	0.000051
11:41:26.216	-7	0.00038	0.00011	0.007	1.218	0.000119
11:41:27.216	-7	0.00035	0.00014	0.00834	3.322	0.000323
11:41:28.216	-7	0.00041	0.00022	0.0077	5.825	0.000564
11:41:29.216	-7	0.00046	0.00013	0.00685	7.66	0.00074
11:41:30.216	-7	0.00065	0.00022	0.00455	8.105	0.000783
11:41:31.216	-7	0.00077	0.00014	0.00216	7.159	0.000691
11:41:32.216	-7	0.00081	0.00021	0.00231	6.186	0.000598
11:41:33.216	-7	0.00085	0.00018	0.00394	6.41	0.00062
11:41:34.216	-7	0.00086	0.00017	0.00407	7.25	0.0007
11:41:35.216	-7	0.00085	0.00015	0.00253	7.212	0.000696
11:41:36.216	-7	0.00083	0.00015	0.00233	6.506	0.000628
11:41:37.216	-7	0.00079	0.00025	0.00268	5.859	0.000566
11:41:38.216	-7	0.0008	0.00016	0.00339	6.12	0.000592
11:41:39.216	-7	0.00072	0.00023	0.00364	5.832	0.000564
11:41:40.216	-7	0.00061	0.00013	0.00327	5.042	0.000488
11:41:41.216	-7	0.00047	0.00013	0.00186	3.716	0.000359
11:41:42.216	-7	0.0004	0.00012	0.00157	2.871	0.000278
11:41:43.216	-7	0.00034	0.00009	0.0015	2.27	0.00022
11:41:44.216	-7	0.00031	0.00012	0.00145	2.166	0.00021
11:41:45.216	-7	0.00043	0.00014	0.0016	2.753	0.000267
11:41:46.216	-7	0.00041	0.00018	0.00054	1.497	0.000145
11:41:47.216	-6.7	0.0003	0.00008	0.00158	0.701	0.000068
11:41:48.216	-6	0.00022	0.00011	0.00128	0.395	0.000038
11:41:49.216	-6	0.00017	0.00009	0.00167	0.292	0.000028
11:41:50.216	-6	0.00012	0.00006	0.00188	0.245	0.000027
11:41:51.216	-6	0.00011	0.00015	0.0023	0.247	0.000031
11:41:52.216	-6	0.00011	0.00007	0.00275	0.219	0.000032
11:41:53.216	-6	0.00008	0.00012	0.00239	0.166	0.000028
11:41:54.216	-6	0.00005	0.00005	0.00167	0.166	0.00002
11:41:55.216	-6	0.00005	0.00007	0.00349	0.725	0.000071
11:41:56.216	-6	0.00004	0.00007	0.00473	2.171	0.000211
11:41:57.216	-6	0.00005	0.00004	0.00452	3.56	0.000345
11:41:58.216	-6	0.00006	0.00004	0.00315	4.28	0.000414
11:41:59.216	-6	0.00012	0.00002	0.00238	4.579	0.000443
11:42:00.216	-6	0.0002	0.00011	0.00261	4.774	0.000462
11:42:01.216	-6	0.00028	0.00006	0.00266	5.001	0.000483
11:42:02.216	-6	0.00034	0.00009	0.00246	5.077	0.000491
11:42:03.216	-6	0.00038	0.00009	0.00229	5.233	0.000506
11:42:04.216	-6	0.00041	0.00009	0.00233	5.321	0.000514
11:42:05.216	-6	0.00045	0.00016	0.0025	5.867	0.000567
11:42:06.216	-6	0.00051	0.00009	0.00281	6.993	0.000675
11:42:07.216	-6	0.00055	0.00015	0.00375	7.791	0.000752

33.5	3.46E+01	37.000	6.000	29.805	4.844	14.300
38.3	3.33E+01	33.000	7.400	27.239	6.087	7.400
38.3	2.42E+01	21.500	7.500	17.941	6.270	11.000
38.1	1.59E+01	12.200	6.600	10.302	5.605	8.200
38.1	1.10E+01	7.700	5.300	6.498	4.471	9.900
37.3	7.60E+00	4.900	4.200	4.083	3.546	7.200
37.3	5.90E+00	3.700	3.500	3.043	2.860	8.100
37.3	5.60E+00	3.500	3.500	2.791	2.784	10.000
37.4	5.60E+00	3.700	3.500	2.885	2.741	5.300
38.8	8.10E+00	6.300	4.100	4.888	3.166	9.000
38.9	1.05E+01	8.200	5.200	6.438	4.029	6.100
40.5	1.13E+01	8.600	5.700	6.787	4.490	9.900
40.5	1.13E+01	8.600	5.700	6.801	4.507	7.900
41	1.12E+01	8.500	5.800	6.660	4.542	7.200
41.1	1.14E+01	8.500	6.100	6.643	4.760	6.900
42.2	1.19E+01	8.600	6.600	6.744	5.161	7.000
42.2	1.19E+01	8.500	6.600	6.705	5.202	12.700
42.8	1.13E+01	7.700	6.600	6.055	5.217	7.600
42.8	1.03E+01	6.400	6.600	5.104	5.228	10.700
43.3	1.01E+01	6.100	6.600	4.837	5.228	7.200
43.3	1.01E+01	6.100	6.600	4.850	5.248	9.400
43.6	1.01E+01	6.000	6.600	4.811	5.285	10.600
43.6	9.90E+00	5.800	6.500	4.688	5.247	8.700
43.7	8.60E+00	4.500	6.100	3.625	4.957	11.600
43.7	7.20E+00	3.200	5.500	2.669	4.542	8.000
42.8	6.30E+00	2.600	4.800	2.208	4.059	8.900
42.7	4.50E+00	1.600	3.800	1.325	3.199	4.200
41.5	3.30E+00	0.900	2.900	0.784	2.504	5.800
41.4	2.60E+00	0.600	2.400	0.528	2.076	4.900
40.4	1.90E+00	0.200	2.000	0.185	1.727	3.000
40.2	1.50E+00	0.000	1.800	0.007	1.542	6.800
36.8	1.50E+00	0.000	1.700	0.000	1.456	2.900
36.7	1.30E+00	0.000	1.500	0.000	1.300	6.300
34.9	1.20E+00	-0.100	1.400	0.000	1.199	3.700
34.9	1.00E+00	-0.200	1.200	0.000	1.025	5.100
34.3	9.00E-01	-0.200	1.100	0.000	0.908	4.700
34.3	9.00E-01	-0.200	1.100	0.000	0.887	2.800
35.2	1.10E+00	0.200	1.200	0.140	0.954	2.500
35.2	2.00E+00	1.200	1.300	0.982	1.031	1.200
35.9	3.40E+00	2.600	1.800	2.030	1.413	6.000
36	4.80E+00	3.500	2.600	2.744	2.041	3.200
37.4	5.80E+00	4.200	3.200	3.301	2.511	5.200
37.5	6.50E+00	4.400	3.900	3.465	3.070	4.800
38.7	6.90E+00	4.500	4.300	3.549	3.385	5.000
38.7	7.00E+00	4.500	4.400	3.541	3.456	8.100
39.6	7.10E+00	4.500	4.600	3.522	3.594	4.000
39.7	7.20E+00	4.500	4.800	3.504	3.731	6.600

1841	38.11	29.8	248.64031	306.930015
1536	38.286	6.4	248.057365	310.846308
1521	37.742	6.6	247.458909	308.303444
1509	37.26	26.8	246.745737	296.031375
1523	37.26	63.2	245.736612	283.759305
1521	36.741	64.9	245.008015	271.487236
1524	37.046	71	244.461035	288.009955
1534	37.617	78	243.935889	306.24084
1565	38.54	80.4	243.8	324.471724
1600	39.648	74.8	243.382951	338.677466
1623	40.37	70.2	243.1	350.298921
1636	40.571	75.8	242.827778	361.920376
1650	40.99	80.5	242.5	372.814197
1670	41.205	76.7	242.166402	382.442134
1691	41.769	74.9	241.9	392.070072
1705	42.23	72.8	242.087706	397.659717
1711	42.23	64.7	242.5	393.8714
1717	42.75	66.1	242.5	390.083083
1725	42.85	68.2	243.040491	386.294766
1702	42.85	50.1	243.1	376.903936
1580	43.106	42.1	243.531567	366.469697
1450	43.47	44.5	243.8	356.035458
1417	43.213	26.1	243.8	341.275758
1367	42.647	3.6	243.8	324.10404
1328	42.23	0	243.8	306.932323
1298	41.813	0	243.8	288.80381
1273	40.833	0	244.757702	270.391111
1251	40.37	0	245.550783	251.978413
1218	39.296	0	246.585936	239.102704
1197	37.239	0	247.416465	229.606252
1313	35.747	0	248.134848	220.109801
1389	35.082	0	248.867706	213.681662
1353	34.508	0	249.381905	208.820123
1369	34.16	25.5	250.296147	203.958585
1422	34.312	59.5	251.534182	209.530605
1446	34.78	58.1	252.512414	229.993238
1465	34.794	56.9	253.244364	250.455872
1477	35.357	60.8	254.4	270.659781
1472	35.852	70.5	254.4	284.654305
1478	36.414	71.8	254.8965	298.648829
1507	37.027	72.5	255.554545	312.643353
1532	37.874	72.3	256.204459	322.923222
1556	38.781	71.3	256.4	331.984605
1579	39.12	70.2	256.4	341.045989
1589	39.476	78.1	256.4	351.610369
1602	39.74	78.5	256.4	362.901718
1617	40.032	75.7	255.97523	374.193066

0.47345	0.04094	1.60257	928.532
0.4749	0.04104	1.61158	930.383
0.47581	0.04117	1.61664	931.466
0.47637	0.04126	1.62095	932.122
0.47676	0.04137	1.62527	932.64
0.47714	0.04148	1.63227	933.858
0.47749	0.04162	1.64061	937.18
0.4779	0.04184	1.64831	943.005
0.47836	0.04197	1.65516	950.665
0.47901	0.04219	1.65971	958.77
0.47978	0.04233	1.66187	965.929
0.48059	0.04254	1.66418	972.115
0.48144	0.04272	1.66812	978.525
0.4823	0.04289	1.67219	985.775
0.48315	0.04304	1.67472	992.987
0.48398	0.04319	1.67705	999.493
0.48477	0.04344	1.67973	1005.352
0.48557	0.0436	1.68312	1011.472
0.48629	0.04383	1.68676	1017.304
0.4869	0.04396	1.69003	1022.346
0.48737	0.04409	1.69189	1026.062
0.48777	0.04421	1.69346	1028.933
0.48811	0.0443	1.69496	1031.203
0.48842	0.04442	1.69641	1033.369
0.48885	0.04456	1.69801	1036.122
0.48926	0.04474	1.69855	1037.619
0.48956	0.04482	1.70013	1038.32
0.48978	0.04493	1.70141	1038.715
0.48995	0.04502	1.70308	1039.007
0.49007	0.04508	1.70496	1039.252
0.49018	0.04523	1.70726	1039.499
0.49029	0.0453	1.71001	1039.718
0.49037	0.04542	1.7124	1039.884
0.49042	0.04547	1.71407	1040.05
0.49047	0.04554	1.71756	1040.775
0.49051	0.04561	1.72229	1042.946
0.49056	0.04565	1.72681	1046.506
0.49062	0.04569	1.72996	1050.786
0.49074	0.04571	1.73234	1055.365
0.49094	0.04582	1.73495	1060.139
0.49122	0.04588	1.73761	1065.14
0.49156	0.04597	1.74007	1070.217
0.49194	0.04606	1.74236	1075.45
0.49235	0.04615	1.74469	1080.771
0.4928	0.04631	1.74719	1086.638
0.49331	0.0464	1.75	1093.631
0.49386	0.04655	1.75375	1101.422

11:42:08.216	-6	0.0006	0.00009	0.00429	8.364	0.000807
11:42:09.216	-6	0.00064	0.00018	0.00395	8.567	0.000827
11:42:10.216	-6	0.00066	0.00013	0.00332	8.417	0.000813
11:42:11.216	-6	0.00061	0.00011	0.00305	7.415	0.000716
11:42:12.216	-6	0.00055	0.00015	0.00303	6.143	0.000594
11:42:13.216	-6	0.00046	0.00004	0.00225	4.707	0.000455
11:42:14.216	-6	0.00035	0.00008	0.00193	3.372	0.000326
11:42:15.216	-6	0.00023	0.00003	0.00153	2.136	0.000207
11:42:16.216	-6	0.00021	0.00007	0.00107	1.618	0.000157
11:42:17.216	-6	0.00026	0.00009	0.00148	1.632	0.000158
11:42:18.216	-6	0.00032	0.00012	0.00135	1.488	0.000144
11:42:19.216	-6	0.00026	0.0001	0.00068	0.701	0.000068
11:42:20.216	-6	0.00022	0.00004	0.00109	0.4	0.000039
11:42:21.216	-6	0.00017	0.00016	0.00205	0.296	0.000028
11:42:22.216	-6	0.00014	0.0001	0.00224	0.248	0.000027
11:42:23.216	-6	0.00012	0.00015	0.0022	0.203	0.000026
11:42:24.216	-6	0.00011	0.0001	0.00243	0.18	0.000025
11:42:25.216	-6	0.0001	0.00012	0.00268	0.183	0.000027
11:42:26.216	-6	0.00011	0.00018	0.00254	0.181	0.000032
11:42:27.216	-6	0.00009	0.00011	0.00169	0.147	0.00003
11:42:28.216	-6	0.00007	0.00018	0.00163	0.132	0.000028
11:42:29.216	-6	0.00009	0.00013	0.00239	0.145	0.000034
11:42:30.216	-6	0.00008	0.00022	0.00245	0.135	0.000035
11:42:31.216	-6	0.00007	0.00014	0.00229	0.122	0.000032
11:42:32.216	-6	0.00005	0.00013	0.00163	0.166	0.000023
11:42:33.216	-6	0.00005	0.00011	0.00336	0.75	0.000073
11:42:34.216	-6	0.00006	0.0001	0.00882	4.167	0.000404
11:42:35.216	-6	0.0001	0.00022	0.00609	6.909	0.000668
11:42:36.216	-6	0.00025	0.00011	0.00337	6.938	0.00067
11:42:37.216	-6	0.00026	0.0002	0.00242	5.606	0.000542
11:42:38.216	-6	0.00026	0.00018	0.00199	4.644	0.000449
11:42:39.216	-6	0.00024	0.0002	0.00172	3.759	0.000364
11:42:40.216	-6	0.0002	0.0002	0.0024	3.324	0.000322
11:42:41.216	-6	0.00018	0.0002	0.00318	3.436	0.000333
11:42:42.216	-6	0.00014	0.00024	0.00119	2.387	0.000231
11:42:43.216	-6	0.00012	0.00014	0.00108	1.492	0.000145
11:42:44.216	-6	0.00013	0.00021	0.0035	2.014	0.000196
11:42:45.216	-6	0.00015	0.00022	0.00624	4.527	0.000439
11:42:46.216	-6	0.00016	0.00028	0.00422	5.3	0.000513
11:42:47.216	-6	0.00017	0.00024	0.00303	5.548	0.000536
11:42:48.216	-6	0.00014	0.00017	0.00187	3.895	0.000377
11:42:49.216	-6	0.00013	0.00016	0.00073	2.588	0.00025
11:42:50.216	-6	0.00014	0.00014	0.00207	2.163	0.00021
11:42:51.216	-6.4	0.00015	0.00021	0.0044	3.571	0.000346
11:42:52.216	-6.7	0.00016	0.00017	0.00437	4.617	0.000447
11:42:53.216	-6	0.0002	0.00025	0.00438	6.498	0.000628
11:42:54.216	-6.3	0.00024	0.00021	0.00398	6.446	0.000623

40.6	7.40E+00	4.600	4.900	3.568	3.810	3.800
40.6	7.60E+00	4.700	5.000	3.662	3.889	6.900
41	7.70E+00	4.800	5.100	3.743	3.983	5.200
41	7.80E+00	4.800	5.200	3.761	4.067	4.600
41.9	7.90E+00	4.800	5.200	3.787	4.102	7.100
41.9	7.80E+00	4.600	5.200	3.666	4.137	2.400
42.5	7.60E+00	4.300	5.100	3.459	4.094	5.800
42.5	7.10E+00	3.700	5.100	3.013	4.118	3.400
42.5	6.90E+00	3.400	5.000	2.795	4.089	8.000
42.5	6.30E+00	2.900	4.600	2.429	3.831	7.100
42.5	5.20E+00	2.000	4.100	1.708	3.475	6.300
42.5	4.10E+00	1.300	3.500	1.127	2.996	5.100
41.9	3.40E+00	1.000	2.900	0.863	2.502	2.100
41.8	2.70E+00	0.700	2.400	0.613	2.075	8.100
40.5	2.30E+00	0.500	2.200	0.435	1.889	5.400
40.4	2.00E+00	0.300	2.000	0.264	1.719	8.400
39.1	1.90E+00	0.200	2.000	0.171	1.711	5.800
39	1.60E+00	0.000	1.900	0.000	1.626	6.100
37.6	1.50E+00	0.000	1.800	0.000	1.540	8.000
37.5	1.30E+00	0.000	1.500	0.000	1.293	5.200
35.1	1.10E+00	0.000	1.300	0.000	1.131	9.200
34.9	1.10E+00	0.000	1.300	0.000	1.112	5.600
30.3	1.00E+00	0.000	1.200	0.000	1.026	9.300
30.2	9.00E-01	0.000	1.100	0.000	0.947	6.000
27	9.00E-01	-0.100	1.100	0.000	0.940	7.800
26.9	9.00E-01	-0.200	1.100	0.000	0.933	7.000
25.9	8.00E-01	-0.300	1.000	0.000	0.811	4.900
26	1.20E+00	0.500	1.100	0.356	0.869	9.100
28.7	3.50E+00	2.900	1.500	2.286	1.169	5.000
28.9	4.30E+00	3.900	1.600	3.039	1.251	11.000
31.5	4.50E+00	4.000	1.700	3.178	1.351	10.100
31.6	4.60E+00	4.000	1.700	3.203	1.361	12.900
32.5	4.10E+00	3.300	1.700	2.691	1.370	13.300
32.5	3.40E+00	2.500	1.700	2.052	1.369	13.100
32.6	3.20E+00	2.200	1.700	1.800	1.386	17.800
32.5	2.80E+00	1.700	1.700	1.432	1.412	11.100
30.7	2.60E+00	1.400	1.700	1.173	1.407	13.600
30.7	2.40E+00	1.300	1.700	1.049	1.363	11.300
30.7	2.50E+00	1.400	1.700	1.104	1.348	14.100
30.7	2.50E+00	1.500	1.700	1.180	1.344	11.900
31.5	2.80E+00	1.800	1.700	1.429	1.356	10.900
31.5	2.90E+00	1.900	1.700	1.541	1.379	12.000
30.4	3.00E+00	1.900	1.700	1.562	1.398	9.600
30.4	2.70E+00	1.700	1.700	1.382	1.367	13.000
30	2.70E+00	1.700	1.700	1.354	1.354	9.500
30	2.70E+00	1.700	1.700	1.343	1.343	10.800
30.3	3.40E+00	2.500	1.800	1.993	1.413	9.700

1630	40.37	75.9	255.332018	385.09005
1644	40.514	76.2	254.667661	395.637313
1661	41.266	74.3	253.996509	406.184577
1672	41.61	69.1	252.99034	406.485505
1675	41.61	56.9	251.678144	397.136971
1686	41.61	44.8	250.6542	387.788436
1602	41.77	35.3	249.985636	373.842691
1354	42.23	18.7	249.398465	354.163345
1352	42.23	0	249	334.483999
1334	42.23	0	249	314.879745
1306	42.124	0	248.7576	295.484841
1285	41.5	0	248.4	276.089936
1256	40.368	0	248.296415	257.671789
1230	39.828	0	247.7	246.15396
1209	39.221	0	247.7	234.636131
1188	38.603	0	248.396496	223.118302
1165	37.607	0	248.4	216.995808
1259	36.49	0	248.4	211.127545
1363	35.352	0	248.808464	205.259281
1338	33.452	0	249	200.325256
1272	31.023	0	249.315789	195.97608
1371	29.173	0	249.928477	191.626903
1486	27.535	0	250.581153	188.186458
1393	26.08	1.7	251.356984	186.13206
1405	26.08	17.2	252.3	184.077662
1418	26.08	70.9	252.3	182.023264
1493	27.297	78.6	252.3	221.480656
1578	28.904	79.6	252.995385	263.587737
1655	30.33	74	252.3	304.087419
1700	31.336	51.1	252.3	310.474516
1728	31.67	45.8	251.003939	316.861613
1737	31.67	44.5	249.619387	323.24871
1749	32.077	45.7	249.056749	311.628067
1725	31.938	16.2	248.54	298.959356
1667	30.968	2.5	247.8911	286.290644
1641	30.43	31.9	246.322832	286.683185
1645	30.43	60	244.994917	293.081994
1662	30.604	68.7	244.146364	299.480804
1688	31.161	71.1	243.368636	303.242018
1699	31.647	62.4	241.933276	301.525151
1674	31.062	12.4	239.881369	299.808283
1625	29.946	50.5	238.7	298.126388
1610	29.81	53.2	238.519697	303.403996
1613	29.81	52.7	237.004545	308.681605
1611	29.81	60.4	235.778656	313.959213
1641	30.107	66.9	234.586293	325.339116
1675	30.64	67.3	233.855471	339.010528

0.49446	0.04664	1.75804	1109.786
0.4951	0.04682	1.76199	1118.353
0.49576	0.04695	1.76531	1126.77
0.49637	0.04706	1.76836	1134.185
0.49692	0.04721	1.77139	1140.328
0.49738	0.04725	1.77364	1145.035
0.49773	0.04733	1.77557	1148.407
0.49796	0.04736	1.7771	1150.543
0.49817	0.04743	1.77817	1152.161
0.49843	0.04752	1.77965	1153.793
0.49875	0.04764	1.781	1155.281
0.49901	0.04774	1.78168	1155.982
0.49923	0.04778	1.78277	1156.382
0.4994	0.04794	1.78482	1156.678
0.49954	0.04804	1.78706	1156.926
0.49966	0.04819	1.78926	1157.129
0.49977	0.04829	1.79169	1157.309
0.49987	0.04841	1.79437	1157.492
0.49998	0.04859	1.79691	1157.673
0.50007	0.0487	1.7986	1157.82
0.50014	0.04888	1.80023	1157.952
0.50023	0.04901	1.80262	1158.097
0.50031	0.04923	1.80507	1158.232
0.50038	0.04937	1.80736	1158.354
0.50043	0.0495	1.80899	1158.52
0.50048	0.04961	1.81235	1159.27
0.50054	0.04971	1.82117	1163.437
0.50064	0.04993	1.82726	1170.346
0.50089	0.05004	1.83063	1177.284
0.50115	0.05024	1.83305	1182.89
0.50141	0.05042	1.83504	1187.534
0.50165	0.05062	1.83676	1191.293
0.50185	0.05082	1.83916	1194.617
0.50203	0.05102	1.84234	1198.053
0.50217	0.05126	1.84353	1200.44
0.50229	0.0514	1.84461	1201.932
0.50242	0.05161	1.84811	1203.946
0.50257	0.05183	1.85435	1208.473
0.50273	0.05211	1.85857	1213.773
0.5029	0.05235	1.8616	1219.321
0.50304	0.05252	1.86347	1223.216
0.50317	0.05268	1.8642	1225.804
0.50331	0.05282	1.86627	1227.967
0.50346	0.05303	1.87067	1231.538
0.50362	0.0532	1.87504	1236.155
0.50382	0.05345	1.87942	1242.653
0.50406	0.05366	1.8834	1249.099

11:42:55.216	-6.7	0.00029	0.00021	0.0036	6.174	0.000597
11:42:56.216	-6	0.00031	0.00024	0.00378	5.806	0.000561
11:42:57.216	-6.4	0.00031	0.00018	0.00421	5.806	0.000561
11:42:58.216	-6.6	0.00035	0.00027	0.0047	6.628	0.000641
11:42:59.216	-6	0.00036	0.00019	0.00492	7.378	0.000713
11:43:00.216	-6.3	0.00039	0.00021	0.00407	8.04	0.000777
11:43:01.216	-7	0.00041	0.00018	0.00392	8.323	0.000804
11:43:02.216	-7	0.00042	0.00018	0.00387	8.032	0.000776
11:43:03.216	-7	0.00037	0.00022	0.00305	6.699	0.000647
11:43:04.216	-7	0.00033	0.00012	0.002	5.432	0.000525
11:43:05.216	-6.6	0.00022	0.00014	0.00178	3.056	0.000296
11:43:06.216	-6.4	0.00016	0.00008	0.00112	1.895	0.000184
11:43:07.216	-7	0.00011	0.00009	0.00114	1.307	0.000127
11:43:08.216	-6.7	0.00007	0.00003	0.00152	1.119	0.000108
11:43:09.216	-6.4	0.00007	0.00002	0.00197	1.314	0.000127
11:43:10.216	-7	0.00008	0.00005	0.00232	2.122	0.000206
11:43:11.216	-7	0.00009	0.00006	0.00388	3.344	0.000324
11:43:12.216	-7	0.00009	0.0001	0.00388	3.926	0.00038
11:43:13.216	-7	0.00008	0.00003	0.00299	3.785	0.000366
11:43:14.216	-7	0.00009	0.00009	0.00221	3.223	0.000312
11:43:15.216	-6.6	0.0001	0.00009	0.00232	2.599	0.000252
11:43:16.216	-6	0.00011	0.00008	0.00317	3.184	0.000308
11:43:17.216	-6.4	0.00012	0.00013	0.00417	4.09	0.000396
11:43:18.216	-7	0.00011	0.00005	0.0027	3.679	0.000356
11:43:19.216	-6.7	0.0001	0.00008	0.00206	3.183	0.000308
11:43:20.216	-6	0.00011	0.00005	0.00158	2.658	0.000257
11:43:21.216	-6	0.0001	0.00008	0.00111	2.081	0.000201
11:43:22.216	-6.3	0.00009	0.00007	0.00101	1.668	0.000161
11:43:23.216	-7	0.00009	0.00007	0.00166	1.667	0.000161
11:43:24.216	-7	0.00008	0.00012	0.00155	1.633	0.000158
11:43:25.216	-7	0.00007	0.0001	0.00169	1.366	0.000132
11:43:26.216	-7	0.00006	0.00011	0.00132	0.937	0.000091
11:43:27.216	-7	0.00005	0.00005	0.00081	0.585	0.000057
11:43:28.216	-6.7	0.00004	0.00006	0.00097	0.409	0.00004
11:43:29.216	-6	0.00003	0.00003	0.00081	0.269	0.000026
11:43:30.216	-6	0.00003	0.00003	0.0011	0.198	0.000019
11:43:31.216	-6	0.00002	0.00004	0.00116	0.216	0.000021
11:43:32.216	-6	0.00002	0.00002	0.00116	0.304	0.00003
11:43:33.216	-6	0.00002	0.00004	0.00112	0.391	0.000038
11:43:34.216	-6	0.00001	0.00002	0.00097	0.408	0.00004
11:43:35.216	-6.4	0.00001	0.00003	0.00073	0.405	0.000039
11:43:36.216	-6.6	0.00001	0.00001	0.00095	0.418	0.000041
11:43:37.216	-6.4	0.00001	0.00002	0.00097	0.464	0.000045
11:43:38.216	-6.6	0.00001	0.00003	0.00095	0.537	0.000052
11:43:39.216	-6.4	0.00001	0.00002	0.00103	0.678	0.000066
11:43:40.216	-6.6	0.00001	0.00004	0.00117	0.777	0.000075
11:43:41.216	-6	0.00001	0.00003	0.00119	0.943	0.000091

30.4	4.30E+00	3.600	1.900	2.800	1.492	10.100
31.4	4.50E+00	3.700	2.000	2.924	1.581	11.800
31.4	4.60E+00	3.700	2.100	2.922	1.659	8.800
31.9	4.60E+00	3.700	2.100	2.916	1.655	11.700
31.9	4.60E+00	3.600	2.200	2.833	1.719	7.800
32.7	4.60E+00	3.700	2.200	2.888	1.721	8.200
32.7	4.70E+00	3.800	2.200	2.971	1.720	7.000
33.9	4.90E+00	3.900	2.300	3.055	1.795	7.100
34	4.90E+00	3.900	2.300	3.070	1.811	9.700
35.1	4.90E+00	3.900	2.300	3.093	1.824	6.000
35.1	4.90E+00	3.800	2.300	3.061	1.849	10.300
34.8	4.50E+00	3.300	2.200	2.714	1.802	7.500
34.7	3.70E+00	2.400	2.100	1.950	1.739	10.000
33	2.50E+00	1.300	1.700	1.098	1.422	3.200
32.9	2.10E+00	1.000	1.500	0.835	1.243	1.800
31.6	2.00E+00	1.000	1.400	0.817	1.150	4.300
31.6	1.80E+00	0.900	1.300	0.730	1.051	3.900
31.6	1.70E+00	0.900	1.300	0.714	1.032	7.100
31.7	1.80E+00	1.000	1.300	0.787	1.029	2.300
32.6	2.10E+00	1.300	1.300	1.024	1.037	7.100
32.6	2.30E+00	1.500	1.300	1.205	1.056	6.200
32.6	2.30E+00	1.500	1.300	1.211	1.049	5.700
32.7	2.20E+00	1.500	1.300	1.196	1.037	7.800
33.9	2.40E+00	1.800	1.300	1.413	1.029	3.800
34	2.60E+00	2.000	1.300	1.579	1.031	7.100
35.3	2.90E+00	2.400	1.300	1.902	1.042	4.700
35.3	3.10E+00	2.500	1.300	2.027	1.054	8.300
35.3	3.00E+00	2.300	1.300	1.894	1.063	6.800
35.3	2.60E+00	1.900	1.300	1.572	1.062	7.700
35.4	2.40E+00	1.600	1.300	1.317	1.063	12.000
35.4	2.20E+00	1.500	1.200	1.235	0.988	10.700
34.8	2.20E+00	1.400	1.200	1.165	0.999	12.200
34.7	1.90E+00	1.200	1.100	1.008	0.924	5.800
31	1.60E+00	0.900	1.000	0.768	0.847	6.800
30.6	1.30E+00	0.600	0.900	0.517	0.766	3.800
22.7	1.00E+00	0.300	0.900	0.264	0.768	3.700
22.3	9.00E-01	0.200	0.900	0.177	0.767	6.200
13.2	8.00E-01	0.100	0.900	0.085	0.764	2.600
13	8.00E-01	0.100	0.900	0.084	0.760	6.800
9.8	8.00E-01	0.000	0.900	0.000	0.757	2.900
9.6	8.00E-01	-0.100	0.900	0.000	0.756	6.600
5.4	8.00E-01	-0.100	0.900	0.000	0.755	2.800
5.3	8.00E-01	-0.100	0.900	0.000	0.754	4.600
2.9	7.00E-01	-0.100	0.800	0.000	0.671	5.700
2.7	7.00E-01	-0.100	0.800	0.000	0.663	4.100
0	7.00E-01	-0.100	0.800	0.000	0.659	8.200
0	7.00E-01	-0.200	0.800	0.000	0.655	5.000

1690	31.05	66.8	233.6	352.68194
1706	31.189	68.4	233.337582	362.400195
1723	31.67	64.3	233	364.935956
1735	31.771	73.4	232.774306	367.471717
1770	32.379	75.6	232.541458	372.693243
1803	33.01	73.7	233	384.855405
1837	34.16	73.2	233.128454	397.017568
1869	34.16	71.4	233.676909	406.627942
1884	34.643	59.6	234.242572	392.483014
1872	34.374	44.7	235.280911	378.338087
1563	33.804	24.1	236.862818	364.193159
1340	33.015	17	237.775818	350.684796
1306	32.119	19.8	238.35697	337.523738
1294	31.5	26.8	238.7	324.36268
1295	31.05	42.9	238.7	316.623562
1267	31.071	64.7	238.7	320.459178
1329	31.67	75.8	238.921351	324.294795
1327	31.67	69.1	240.043052	327.85927
1309	32.155	41.3	240.588011	323.720139
1306	31.781	27.9	242.5	319.581009
1422	32.31	65.1	243.239439	317.17925
1384	32.847	71.5	243.896	323.966984
1421	33.912	68.7	244.376	330.754719
1410	34.6	46.7	245.59712	337.542453
1425	34.78	40.3	247.265165	331.735821
1435	35.044	28.1	248.541638	322.780597
1421	35.156	24	249	313.825373
1414	34.78	31.7	249.266424	304.699599
1414	34.78	25	249.849817	295.365373
1401	34.78	2	250.562281	286.031148
1374	34.414	4	251.297624	276.116702
1312	32.819	0	251.87496	265.523864
1210	28.707	0	252.459151	254.931026
1350	24.726	1.6	253.116345	245.240036
1203	19.758	16.6	253.75152	241.182326
1087	15.545	22.8	254.31152	237.124617
1082	11.714	17.6	254.4	233.066907
1035	9.81	14.9	254.4	230.824918
975	8.565	16.7	254.4	229.006075
788	6.361	34	254.4612	227.392537
819	4.697	45.5	255	228.885075
773	3.466	48.3	255	230.377612
783	1.948	60.1	255	231.870149
789	0.666	64.3	255.479618	235.469934
785	0.182	63.1	255.7	239.922087
789	0.493	62.7	255.950091	244.374241
801	0.122	63.7	256.4	248.703898

0.50435	0.05387	1.887	1255.273
0.50466	0.05411	1.89078	1261.079
0.50497	0.05429	1.89499	1266.885
0.50532	0.05456	1.89969	1273.513
0.50568	0.05475	1.90461	1280.891
0.50607	0.05496	1.90868	1288.931
0.50648	0.05514	1.9126	1297.254
0.5069	0.05532	1.91647	1305.286
0.50727	0.05554	1.91952	1311.985
0.5076	0.05566	1.92152	1317.417
0.50782	0.0558	1.9233	1320.473
0.50798	0.05588	1.92442	1322.368
0.50809	0.05597	1.92556	1323.675
0.50816	0.056	1.92708	1324.794
0.50823	0.05602	1.92905	1326.108
0.50831	0.05607	1.93137	1328.23
0.5084	0.05613	1.93525	1331.574
0.50849	0.05623	1.93913	1335.5
0.50857	0.05626	1.94212	1339.285
0.50866	0.05635	1.94433	1342.508
0.50876	0.05644	1.94665	1345.107
0.50887	0.05652	1.94982	1348.291
0.50899	0.05665	1.95399	1352.381
0.5091	0.0567	1.95669	1356.06
0.5092	0.05678	1.95875	1359.243
0.50931	0.05683	1.96033	1361.901
0.50941	0.05691	1.96144	1363.982
0.5095	0.05698	1.96245	1365.65
0.50959	0.05705	1.96411	1367.317
0.50967	0.05717	1.96566	1368.95
0.50974	0.05727	1.96735	1370.316
0.5098	0.05738	1.96867	1371.253
0.50985	0.05743	1.96948	1371.838
0.50989	0.05749	1.97045	1372.247
0.50992	0.05752	1.97126	1372.516
0.50995	0.05755	1.97236	1372.714
0.50997	0.05759	1.97352	1372.93
0.50999	0.05761	1.97468	1373.234
0.51001	0.05765	1.9758	1373.625
0.51002	0.05767	1.97677	1374.033
0.51003	0.0577	1.9775	1374.438
0.51004	0.05771	1.97845	1374.856
0.51005	0.05773	1.97942	1375.32
0.51006	0.05776	1.98037	1375.857
0.51007	0.05778	1.9814	1376.535
0.51008	0.05782	1.98257	1377.312
0.51009	0.05785	1.98376	1378.255

11:43:42.216	-6	0.00001	0.00008	0.00144	1.222	0.000118
11:43:43.216	-6	0.00001	0.00008	0.00119	1.273	0.000123
11:43:44.216	-6	0.00001	0.0001	0.00106	1.266	0.000123
11:43:45.216	-6	0.00001	0.00011	0.00115	1.398	0.000135
11:43:46.216	-6.4	0.00002	0.00015	0.00142	1.874	0.000181
11:43:47.216	-6.6	0.00004	0.00033	0.00294	4.18	0.000404
11:43:48.216	-6	0.00005	0.00026	0.00496	6.76	0.000654
11:43:49.216	-6.4	0.0002	0.00026	0.00548	8.884	0.000859
11:43:50.216	-7	0.0004	0.00012	0.00405	8.217	0.000794
11:43:51.216	-7	0.00037	0.00014	0.00212	5.265	0.000509
11:43:52.216	-6.6	0.00031	0.00011	0.00092	3.423	0.000331
11:43:53.216	-6	0.00021	0.00007	0.00084	1.78	0.000172
11:43:54.216	-6	0.0002	0.00011	0.00182	1.845	0.000179
11:43:55.216	-6	0.00019	0.00006	0.00502	3.068	0.000298
11:43:56.216	-6.4	0.00021	0.00016	0.00675	5.86	0.000567
11:43:57.216	-6.6	0.00028	0.00012	0.00585	8.692	0.00084
11:43:58.216	-6.3	0.00043	0.00023	0.00471	10.068	0.000972
11:43:59.216	-7	0.00057	0.00028	0.00416	9.79	0.000946
11:44:00.216	-7	0.00042	0.00025	0.00238	5.752	0.000556
11:44:01.216	-7	0.00035	0.0002	0.00168	3.904	0.000378
11:44:02.216	-6.7	0.00031	0.0002	0.00238	3.047	0.000295
11:44:03.216	-6.3	0.00045	0.00035	0.00621	6.938	0.000671
11:44:04.216	-6.7	0.0006	0.0002	0.00861	10.582	0.001023
11:44:05.216	-6.3	0.00076	0.00026	0.00493	9.185	0.000888
11:44:06.216	-7	0.0005	0.00013	0.0009	4.063	0.000393
11:44:07.216	-6.6	0.00046	0.0001	0.00131	2.588	0.000251
11:44:08.216	-6.4	0.00064	0.00017	0.0067	5.351	0.000519
11:44:09.216	-7	0.00072	0.00017	0.01079	10.263	0.000993
11:44:10.216	-7	0.00083	0.00028	0.00553	11.603	0.001121
11:44:11.216	-7	0.00091	0.00017	0.00466	10.729	0.001036
11:44:12.216	-7	0.00095	0.00021	0.00465	9.521	0.00092
11:44:13.216	-7	0.00099	0.00014	0.00471	8.628	0.000834
11:44:14.216	-7	0.00098	0.00013	0.0044	8.092	0.000782
11:44:15.216	-7	0.00096	0.0002	0.00412	8.089	0.000781
11:44:16.216	-7	0.00097	0.00017	0.00478	9.096	0.000878
11:44:17.216	-7	0.00092	0.00026	0.00459	9.737	0.00094
11:44:18.216	-7	0.00078	0.00017	0.0038	8.735	0.000844
11:44:19.216	-7	0.00058	0.00021	0.00341	6.503	0.000628
11:44:20.216	-7	0.00047	0.00012	0.00367	5.413	0.000523
11:44:21.216	-7	0.00041	0.00009	0.00412	4.883	0.000472
11:44:22.216	-7	0.00039	0.00011	0.00464	5.113	0.000495
11:44:23.216	-7	0.00038	0.00004	0.00513	5.792	0.00056
11:44:24.216	-7	0.00046	0.00006	0.00523	7.774	0.00075
11:44:25.216	-7	0.00047	0.00002	0.00393	7.882	0.000761
11:44:26.216	-7	0.00044	0.00009	0.00286	6.389	0.000617
11:44:27.216	-7	0.00038	0.00005	0.00223	4.977	0.000481
11:44:28.216	-7	0.00029	0.00006	0.00168	3.588	0.000347

0	6.00E-01	-0.200	0.800	0.000	0.650	12.200
0.1	6.00E-01	-0.200	0.800	0.000	0.647	13.600
1.8	6.00E-01	-0.200	0.800	0.000	0.645	17.100
1.9	6.00E-01	-0.200	0.800	0.000	0.643	17.400
3.1	6.00E-01	-0.200	0.800	0.000	0.643	17.800
3.2	6.00E-01	-0.100	0.800	0.000	0.639	19.400
4.8	6.00E-01	0.000	0.800	0.000	0.635	10.400
5.1	2.00E+00	1.700	0.800	1.330	0.629	8.700
10.5	4.50E+00	4.600	1.200	3.592	0.921	4.600
10.8	5.80E+00	6.000	1.400	4.714	1.100	7.200
16.1	6.10E+00	6.100	1.500	4.897	1.198	7.100
16.1	5.70E+00	5.300	1.600	4.375	1.304	6.600
15.5	4.70E+00	4.100	1.600	3.344	1.319	8.300
15.5	3.50E+00	2.600	1.600	2.158	1.303	3.700
15.1	2.90E+00	2.200	1.500	1.751	1.196	7.300
15.2	2.90E+00	2.200	1.500	1.726	1.177	4.200
16.6	4.00E+00	3.500	1.600	2.772	1.252	7.000
16.8	5.40E+00	5.100	1.800	4.025	1.402	8.800
19.4	6.10E+00	5.900	1.900	4.633	1.500	12.200
19.5	6.50E+00	6.000	2.100	4.800	1.674	12.300
20.3	6.20E+00	5.500	2.100	4.481	1.699	13.400
20.2	5.10E+00	4.300	2.100	3.440	1.667	13.300
19	5.20E+00	4.600	2.100	3.574	1.646	5.600
19.1	7.20E+00	7.000	2.200	5.491	1.725	8.300
21.1	8.20E+00	8.000	2.200	6.406	1.769	7.000
21	8.30E+00	7.900	2.200	6.483	1.803	6.300
19.6	6.80E+00	6.200	2.200	5.026	1.787	5.800
19.6	6.20E+00	5.700	2.200	4.478	1.728	4.900
19.7	6.60E+00	6.300	2.200	4.896	1.722	7.400
19.8	7.80E+00	7.700	2.200	6.046	1.724	4.900
22.8	8.90E+00	9.000	2.300	7.103	1.805	6.600
22.9	1.02E+01	10.600	2.300	8.350	1.807	4.600
25.1	1.07E+01	11.400	2.300	8.943	1.807	4.800
25.2	1.07E+01	11.400	2.300	8.936	1.803	7.300
26.5	1.01E+01	10.600	2.400	8.243	1.874	5.700
26.5	9.00E+00	9.100	2.400	7.125	1.873	8.600
27.5	8.30E+00	8.200	2.400	6.444	1.878	5.800
27.5	7.90E+00	7.700	2.300	6.075	1.815	9.400
28.3	7.10E+00	6.700	2.300	5.326	1.820	5.900
28.3	6.50E+00	5.900	2.200	4.706	1.754	4.600
27.4	6.20E+00	5.800	2.100	4.587	1.661	5.800
27.4	6.10E+00	5.800	2.000	4.535	1.572	2.200
27.5	6.10E+00	5.800	2.100	4.488	1.618	2.600
27.6	6.20E+00	6.000	2.100	4.625	1.623	1.000
29.5	6.50E+00	6.200	2.100	4.848	1.642	4.600
29.6	6.50E+00	6.100	2.100	4.825	1.658	2.600
31.1	5.90E+00	5.400	2.000	4.282	1.600	4.000

943	1.106	64.7	256.656508	252.671876
846	1.909	61.5	257.7	256.639854
790	2.48	55.5	258.06796	259.275346
850	2.654	57.1	258.4	259.736783
1132	3.537	71.8	258.660331	260.19822
1515	5.631	79.9	259.347653	269.185723
1919	8.57	69.7	259.969625	294.288968
1998	11.64	68.6	260.772432	319.392212
2014	14.966	67.5	263.203607	344.495457
1546	15.941	48.9	265.007033	335.436269
1227	15.826	22.3	265.2	324.804751
1210	15.258	33.7	265.2	314.173233
1397	14.9	63.5	265.2	312.30954
1617	14.966	72.6	265.2	319.074501
1671	15.547	70	265.311305	325.839462
1930	16.686	76.1	265.9	333.041038
2005	18.148	73.9	265.9	349.50854
2057	19.784	71.2	265.9	365.976042
1789	20.157	43.7	265.9	382.443544
1584	19.606	36.8	265.481536	382.672421
1637	19.021	58.1	265.2	372.69265
1872	18.923	71.2	265.2	362.712879
2085	20.009	70.6	265.2	358.754173
1983	21.11	49.6	265.2	358.066168
1556	20.642	16	265.2	357.378163
1538	19.156	36.5	265.2	361.45643
1955	18.638	72.1	265.2	376.395545
2089	19.775	71.4	265.2	391.33466
2123	21.42	71	265.2	406.273775
1854	22.943	68.2	265.826885	415.535681
1791	24.573	74.4	267.206938	424.422334
1857	25.355	75.3	268.59445	433.308987
1893	25.902	76.5	269.388911	435.748571
1931	26.494	77.7	270.588975	437.891429
1974	27.154	77.4	270.8	440.034286
2019	27.807	71.9	271.600478	438.476727
1830	27.95	70.1	272.636335	436.395364
1597	27.95	60.9	274.405995	434.314002
1573	27.628	55	275.788653	427.944441
1576	27.075	66.1	276.2	419.780527
1496	26.931	80.2	276.586556	411.616614
1488	27.58	84.2	277.364333	413.450606
1533	28.392	79.3	278.708108	423.236253
1590	29.369	68	280.184221	433.021901
1639	30.026	62.5	281.211091	433.423049
1677	31.01	41.6	282.056591	415.443905
1706	31.241	42.5	283.350862	397.464761

0.5101	0.05793	1.9852	1379.477
0.51011	0.05801	1.98639	1380.75
0.51012	0.05811	1.98745	1382.016
0.51013	0.05822	1.9886	1383.414
0.51015	0.05837	1.99002	1385.288
0.51019	0.0587	1.99296	1389.468
0.51024	0.05896	1.99792	1396.228
0.51044	0.05922	2.0034	1405.112
0.51084	0.05934	2.00745	1413.329
0.51121	0.05948	2.00957	1418.594
0.51152	0.05959	2.01049	1422.017
0.51173	0.05966	2.01133	1423.797
0.51193	0.05977	2.01315	1425.642
0.51212	0.05983	2.01817	1428.71
0.51233	0.05999	2.02492	1434.57
0.51261	0.06011	2.03077	1443.262
0.51304	0.06034	2.03548	1453.33
0.51361	0.06062	2.03964	1463.12
0.51403	0.06087	2.04202	1468.872
0.51438	0.06107	2.0437	1472.776
0.51469	0.06127	2.04608	1475.823
0.51514	0.06162	2.05229	1482.761
0.51574	0.06182	2.0609	1493.343
0.5165	0.06208	2.06583	1502.528
0.517	0.06221	2.06673	1506.591
0.51746	0.06231	2.06804	1509.179
0.5181	0.06248	2.07474	1514.53
0.51882	0.06265	2.08553	1524.793
0.51965	0.06293	2.09106	1536.396
0.52056	0.0631	2.09572	1547.125
0.52151	0.06331	2.10037	1556.646
0.5225	0.06345	2.10508	1565.274
0.52348	0.06358	2.10948	1573.366
0.52444	0.06378	2.1136	1581.455
0.52541	0.06395	2.11838	1590.551
0.52633	0.06421	2.12297	1600.288
0.52711	0.06438	2.12677	1609.023
0.52769	0.06459	2.13018	1615.526
0.52816	0.06471	2.13385	1620.939
0.52857	0.0648	2.13797	1625.822
0.52896	0.06491	2.14261	1630.935
0.52934	0.06495	2.14774	1636.727
0.5298	0.06501	2.15297	1644.501
0.53027	0.06503	2.1569	1652.383
0.53071	0.06512	2.15976	1658.772
0.53109	0.06517	2.16199	1663.749
0.53138	0.06523	2.16367	1667.337

11:44:29.216	-7	0.00021	0.00006	0.00126	2.605	0.000252
11:44:30.216	-7	0.00021	0.00008	0.00272	3.417	0.000331
11:44:31.216	-7	0.0002	0.00013	0.00379	4.509	0.000436
11:44:32.216	-7	0.00016	0.00007	0.00324	4.007	0.000388
11:44:33.216	-7	0.00012	0.00008	0.00189	2.527	0.000245
11:44:34.216	-7	0.00012	0.00006	0.00105	1.91	0.000185
11:44:35.216	-7	0.00013	0.00008	0.00267	2.635	0.000255
11:44:36.216	-7	0.00012	0.0001	0.00338	3.471	0.000336
11:44:37.216	-7	0.00013	0.00008	0.00362	4.386	0.000424
11:44:38.216	-7	0.00014	0.0001	0.00409	5.173	0.0005
11:44:39.216	-7	0.00018	0.00004	0.00423	5.645	0.000546
11:44:40.216	-7	0.00026	0.0001	0.00344	5.891	0.000569
11:44:41.216	-7	0.00031	0.00003	0.00319	6.179	0.000597
11:44:42.216	-7	0.00031	0.00008	0.00276	5.801	0.00056
11:44:43.216	-7	0.0003	0.00008	0.00306	5.395	0.000521
11:44:44.216	-7	0.0003	0.00004	0.00325	4.876	0.000471
11:44:45.216	-7	0.00028	0.0001	0.00328	4.68	0.000453
11:44:46.216	-7	0.00026	0.00004	0.00344	4.581	0.000443
11:44:47.216	-7	0.00026	0.0001	0.00339	4.512	0.000436
11:44:48.216	-7	0.00026	0.00003	0.00339	4.696	0.000454
11:44:49.216	-7	0.00026	0.00007	0.00387	4.948	0.000478
11:44:50.216	-7	0.00024	0.00004	0.0033	4.482	0.000433
11:44:51.216	-7	0.00021	0.00005	0.00229	3.671	0.000355
11:44:52.216	-7	0.00018	0.00006	0.00149	2.808	0.000272
11:44:53.216	-7	0.00015	0.00007	0.00144	2.154	0.000209
11:44:54.216	-7	0.00011	0.0001	0.00082	1.496	0.000145
11:44:55.216	-7	0.00009	0.00007	0.00063	0.849	0.000082
11:44:56.216	-7	0.00007	0.0001	0.00081	0.552	0.000054
11:44:57.216	-7	0.00005	0.0001	0.00116	0.459	0.000045
11:44:58.216	-7	0.00004	0.00007	0.00141	0.317	0.000031
11:44:59.216	-7	0.00004	0.0001	0.00087	0.238	0.000023
11:45:00.216	-7	0.00003	0.00006	0.00099	0.194	0.000019
11:45:01.216	-7	0.00003	0.0001	0.00114	0.165	0.000016
11:45:02.216	-7	0.00003	0.00005	0.00131	0.148	0.000014
11:45:03.216	-7	0.00003	0.00009	0.00141	0.126	0.000014
11:45:04.216	-7	0.00003	0.00007	0.00139	0.117	0.000014
11:45:05.216	-7	0.00002	0.00006	0.00138	0.107	0.000014
11:45:06.216	-6.7	0.00002	0.00009	0.0012	0.095	0.000014
11:45:07.216	-6.3	0.00002	0.0001	0.00114	0.086	0.000013
11:45:08.216	-7	0.00002	0.00006	0.00114	0.084	0.000014
11:45:09.216	-7	0.00003	0.00001	0.00125	0.089	0.000015
11:45:10.216	-7	0.00003	0.00008	0.00156	0.449	0.000044
11:45:11.216	-7	0.00002	0.00008	0.00388	1.171	0.000114
11:45:12.216	-7	0.00002	0.0001	0.00206	1.365	0.000132
11:45:13.216	-7	0.00004	0.00018	0.00265	1.833	0.000178
11:45:14.216	-7	0.00004	0.00013	0.00459	2.871	0.000278
11:45:15.216	-7	0.00007	0.00016	0.00574	4.562	0.000442

31.1	4.80E+00	4.200	1.800	3.362	1.464	4.700
32.1	4.00E+00	3.200	1.700	2.620	1.378	5.100
32.2	3.30E+00	2.500	1.600	2.013	1.276	7.400
34.4	3.00E+00	2.300	1.500	1.837	1.193	4.300
34.4	3.10E+00	2.300	1.500	1.854	1.209	7.200
35.1	3.10E+00	2.300	1.500	1.881	1.227	5.000
35.1	2.80E+00	2.100	1.400	1.706	1.134	5.900
35.1	2.60E+00	1.800	1.400	1.446	1.119	7.000
35.1	2.40E+00	1.600	1.400	1.269	1.110	5.100
34.8	2.40E+00	1.600	1.400	1.264	1.106	5.600
34.8	3.00E+00	2.400	1.400	1.896	1.098	2.000
35	4.10E+00	3.800	1.400	3.002	1.095	5.400
35	5.00E+00	4.900	1.500	3.792	1.169	1.400
35.4	5.10E+00	5.000	1.500	3.902	1.171	4.300
35.4	5.10E+00	5.000	1.500	3.924	1.177	4.300
35.6	5.10E+00	5.000	1.500	3.950	1.185	2.000
35.6	4.90E+00	4.700	1.500	3.727	1.187	5.700
35.2	4.80E+00	4.500	1.500	3.568	1.187	2.600
35.2	4.70E+00	4.500	1.500	3.562	1.187	6.000
35.1	4.80E+00	4.600	1.500	3.624	1.184	1.600
35.1	4.90E+00	4.600	1.600	3.607	1.249	4.200
35.9	5.10E+00	4.900	1.600	3.820	1.249	2.800
35.9	5.10E+00	4.900	1.600	3.851	1.257	3.900
37.3	4.90E+00	4.400	1.700	3.535	1.351	5.700
37.3	4.20E+00	3.500	1.600	2.867	1.295	6.100
38.1	3.20E+00	2.300	1.600	1.860	1.318	9.400
38.1	2.70E+00	1.800	1.400	1.523	1.181	6.400
38.8	2.10E+00	1.300	1.100	1.116	0.938	9.400
38.8	1.40E+00	0.500	1.100	0.445	0.932	9.700
39	1.10E+00	0.300	1.000	0.264	0.851	7.000
39	1.00E+00	0.200	1.000	0.176	0.853	9.400
38.6	1.00E+00	0.200	1.000	0.171	0.854	6.300
38.6	9.00E-01	0.100	1.000	0.091	0.854	10.000
38.2	9.00E-01	0.100	0.900	0.085	0.768	5.100
38.2	8.00E-01	0.000	0.900	0.000	0.768	8.900
37.7	8.00E-01	0.000	0.900	0.000	0.768	7.300
37.7	8.00E-01	0.000	0.900	0.000	0.768	6.600
37.3	8.00E-01	0.000	0.900	0.000	0.768	9.800
37.3	8.00E-01	0.000	0.900	0.000	0.769	11.000
36.5	8.00E-01	-0.300	0.900	0.000	0.768	6.200
36.5	8.00E-01	-0.300	0.900	0.000	0.768	1.200
35.6	8.00E-01	-0.400	0.900	0.000	0.763	8.200
35.6	7.00E-01	-0.400	0.900	0.000	0.746	7.900
35.8	7.00E-01	-0.400	0.900	0.000	0.742	10.000
35.8	7.00E-01	-0.300	0.900	0.000	0.745	12.500
34.8	7.00E-01	-0.200	0.900	0.000	0.733	7.900
34.8	1.20E+00	0.600	0.900	0.510	0.714	9.400

1742	32.105	48.6	284.410937	388.495813
1801	33.124	54.1	285.281443	386.692963
1819	34.21	46.4	285.858272	384.890113
1393	34.774	24.6	286.500545	382.124328
1396	34.78	38.4	287.129744	372.161002
1472	34.314	60.7	287.642564	362.197677
1457	34.612	58.4	288.3216	352.234352
1462	34.78	56.1	288.965091	353.984337
1437	34.46	62.8	290.129104	357.866533
1397	34.581	71.1	291.023902	361.748728
1402	34.78	78.8	292.568463	372.663394
1409	34.78	79.3	293.360535	384.741941
1423	35.4	79.3	295.005482	394.983905
1434	35.4	67.7	296.449345	395.511609
1420	35.4	65	297.545308	396.039314
1418	35.395	64.3	298.296498	396.284357
1406	34.86	64.3	299.470897	394.58638
1403	34.78	66.2	300.598333	392.888403
1406	34.921	69.3	301.910333	393.040605
1425	35.503	80.2	302.8988	396.496328
1450	36.072	75.8	303.8	399.952052
1483	36.641	48.4	303.8	401.058593
1544	37.166	41	303.841455	384.605994
1514	37.727	14.4	304.433672	368.153394
1511	37.88	2	304.5	351.700795
1533	38.27	6.2	304.5	334.527933
1541	38.5	3.5	304.5	317.225968
1536	38.5	0	304.5	299.924002
1528	38.5	0	304.5	286.382214
1516	38.437	0	304.5	276.754079
1506	37.88	0	304.5	267.125944
1497	37.88	0	304.5	257.567446
1489	37.88	0	304.5	251.255367
1483	37.88	0	304.5	244.943287
1473	37.384	0	304.5	238.631208
1459	37.26	0	304.5	233.981444
1444	36.964	0	304.5	229.516382
1427	36.398	0	304.124499	225.051319
1407	35.846	0	304.1437	221.276852
1402	35.4	6.5	304.145304	218.343041
1483	35.4	40.2	303.8	215.409231
1467	35.4	25.3	303.8	217.47825
1412	35.071	3.3	304.302762	222.170704
1395	34.78	23.7	304.090818	226.863158
1408	34.78	57.7	303.8	238.909107
1440	34.849	77.8	304.04752	258.249957
1421	35.4	80	304.5	277.590807

0.53159	0.06529	2.16493	1669.942
0.5318	0.06537	2.16765	1673.359
0.532	0.0655	2.17144	1677.868
0.53216	0.06557	2.17468	1681.875
0.53228	0.06565	2.17657	1684.402
0.5324	0.06571	2.17762	1686.312
0.53253	0.06579	2.18029	1688.947
0.53265	0.06589	2.18367	1692.418
0.53278	0.06597	2.18729	1696.804
0.53292	0.06607	2.19138	1701.977
0.5331	0.06611	2.19561	1707.622
0.53336	0.06621	2.19905	1713.513
0.53367	0.06624	2.20224	1719.692
0.53398	0.06632	2.205	1725.493
0.53428	0.0664	2.20806	1730.888
0.53458	0.06644	2.21131	1735.764
0.53486	0.06654	2.21459	1740.444
0.53512	0.06658	2.21803	1745.025
0.53538	0.06668	2.22142	1749.537
0.53564	0.06671	2.22481	1754.233
0.5359	0.06678	2.22868	1759.181
0.53614	0.06682	2.23198	1763.663
0.53635	0.06687	2.23427	1767.334
0.53653	0.06693	2.23576	1770.142
0.53668	0.067	2.2372	1772.296
0.53679	0.0671	2.23802	1773.792
0.53688	0.06717	2.23865	1774.641
0.53695	0.06727	2.23946	1775.193
0.537	0.06737	2.24062	1775.652
0.53704	0.06744	2.24203	1775.969
0.53708	0.06754	2.2429	1776.207
0.53711	0.0676	2.24389	1776.401
0.53714	0.0677	2.24503	1776.566
0.53717	0.06775	2.24634	1776.714
0.5372	0.06784	2.24775	1776.84
0.53723	0.06791	2.24914	1776.957
0.53725	0.06797	2.25052	1777.064
0.53727	0.06806	2.25172	1777.159
0.53729	0.06816	2.25286	1777.245
0.53731	0.06822	2.254	1777.329
0.53734	0.06823	2.25525	1777.418
0.53737	0.06831	2.25681	1777.867
0.53739	0.06839	2.26069	1779.038
0.53741	0.06849	2.26275	1780.403
0.53745	0.06867	2.2654	1782.236
0.53749	0.0688	2.26999	1785.107
0.53756	0.06896	2.27573	1789.669

11:45:16.216	-7	0.00012	0.0001	0.00376	4.953	0.000479
11:45:17.216	-7	0.00016	0.00016	0.00339	5.435	0.000525
11:45:18.216	-7	0.00021	0.00017	0.0047	7.292	0.000704
11:45:19.216	-7	0.00027	0.00017	0.00431	8.201	0.000791
11:45:20.216	-7	0.00041	0.00017	0.00392	8.448	0.000815
11:45:21.216	-7	0.00046	0.00016	0.00388	8.212	0.000793
11:45:22.216	-6.7	0.00047	0.0002	0.00376	7.533	0.000727
11:45:23.216	-6	0.00047	0.00011	0.00373	7.435	0.000718
11:45:24.216	-6	0.00045	0.00019	0.00347	7.696	0.000743
11:45:25.216	-6	0.00042	0.00013	0.00312	7.724	0.000746
11:45:26.216	-6	0.00039	0.00014	0.00281	7.1	0.000685
11:45:27.216	-6	0.00036	0.00015	0.00281	6.041	0.000584
11:45:28.216	-6	0.00031	0.00009	0.00288	5.081	0.000491
11:45:29.216	-6.3	0.00022	0.00011	0.00138	2.946	0.000285
11:45:30.216	-6.6	0.00017	0.00003	0.001	1.995	0.000193
11:45:31.216	-6	0.00013	0.00008	0.00306	2.339	0.000227
11:45:32.216	-6	0.00011	0.00002	0.00394	3.509	0.00034
11:45:33.216	-6	0.00012	0.00006	0.00298	3.876	0.000375
11:45:34.216	-6	0.00011	0.00005	0.00256	3.812	0.000369
11:45:35.216	-6	0.0001	0.00002	0.00256	3.14	0.000304
11:45:36.216	-6	0.00008	0.00004	0.00125	2.038	0.000197
11:45:37.216	-6	0.00007	0	0.00061	1.06	0.000103
11:45:38.216	-6	0.00005	0.00003	0.00116	0.501	0.000049
11:45:39.216	-6	0.00003	0.00001	0.00225	0.675	0.000066
11:45:40.216	-6	0.00002	0.00003	0.00235	0.999	0.000097
11:45:41.216	-6	0.00002	0.00004	0.00155	0.95	0.000092
11:45:42.216	-6	0.00002	0.00003	0.00102	0.653	0.000063
11:45:43.216	-6	0.00002	0.00005	0.00137	0.467	0.000045
11:45:44.216	-6	0.00001	0.00002	0.00199	0.662	0.000064
11:45:45.216	-6	0.00001	0.00005	0.00215	0.978	0.000095
11:45:46.216	-6	0.00001	0.00004	0.00188	1.186	0.000115
11:45:47.216	-6	0.00001	0.00007	0.00084	0.931	0.00009
11:45:48.216	-6.3	0.00001	0.00005	0.00054	0.509	0.000049
11:45:49.216	-6.7	0.00001	0.00002	0.00075	0.28	0.000027
11:45:50.216	-6	0.00001	0.00005	0.001	0.253	0.000025
11:45:51.216	-6	0.00001	0.00003	0.00104	0.234	0.000023
11:45:52.216	-6.4	0.00001	0.00006	0.00097	0.239	0.000023
11:45:53.216	-7	0.00001	0.00004	0.00126	0.334	0.000033
11:45:54.216	-7	0.00001	0.00004	0.00128	0.414	0.00004
11:45:55.216	-7	0.00001	0.00002	0.0013	0.471	0.000046
11:45:56.216	-7	0.00001	0.00002	0.00123	0.547	0.000053
11:45:57.216	-7	0.00001	0.00004	0.00145	0.779	0.000076
11:45:58.216	-7	0.00001	0.00004	0.00261	1.657	0.000161
11:45:59.216	-7	0.00002	0.00013	0.00475	3.312	0.000321
11:46:00.216	-7	0.00002	0.0001	0.00376	4.367	0.000422
11:46:01.216	-7	0.00002	0.00014	0.00283	4.387	0.000424
11:46:02.216	-7	0.00004	0.00008	0.0025	3.634	0.000352

35.3	2.20E+00	1.900	0.900	1.466	0.709	5.600
35.3	2.70E+00	2.600	0.900	2.027	0.706	9.100
35.7	2.90E+00	2.800	0.900	2.172	0.701	7.600
35.7	3.60E+00	3.700	0.900	2.879	0.695	7.200
36.5	5.20E+00	5.700	1.000	4.441	0.766	7.000
36.6	5.90E+00	6.700	1.000	5.160	0.774	6.700
37.9	6.20E+00	7.000	1.000	5.443	0.779	8.800
37.9	6.20E+00	7.000	1.000	5.460	0.780	5.000
38.4	5.90E+00	6.600	1.000	5.151	0.779	8.400
38.4	5.50E+00	6.100	1.000	4.765	0.778	5.500
38.9	5.40E+00	5.900	1.000	4.614	0.781	6.400
38.9	5.40E+00	5.900	1.000	4.645	0.787	7.200
39.7	5.20E+00	5.600	1.000	4.441	0.791	5.200
39.7	5.00E+00	5.200	1.000	4.202	0.806	7.900
38.8	4.10E+00	4.100	1.000	3.319	0.819	2.100
38.7	3.00E+00	2.700	1.000	2.169	0.818	5.700
37.5	2.30E+00	2.000	0.900	1.617	0.721	1.600
37.5	2.30E+00	2.000	0.900	1.595	0.718	3.800
37.3	2.20E+00	1.900	0.900	1.516	0.718	3.400
37.3	2.20E+00	1.800	0.900	1.451	0.728	1.700
38	2.10E+00	1.700	0.800	1.390	0.660	3.800
38	1.90E+00	1.400	0.800	1.184	0.669	0.400
37.5	1.40E+00	0.900	0.700	0.784	0.600	2.800
37.4	8.00E-01	0.300	0.600	0.278	0.506	1.200
36.5	6.00E-01	0.100	0.600	0.090	0.500	3.400
36.4	6.00E-01	0.100	0.600	0.084	0.501	4.100
34.4	6.00E-01	0.100	0.600	0.084	0.505	3.100
34.3	6.00E-01	0.100	0.600	0.085	0.508	5.800
32.3	5.00E-01	0.000	0.600	0.000	0.504	2.600
32.2	4.00E-01	0.000	0.500	0.000	0.414	6.800
30.4	5.00E-01	0.000	0.600	0.000	0.489	4.600
30.2	4.00E-01	0.000	0.500	0.000	0.426	7.500
25.9	4.00E-01	-0.100	0.500	0.000	0.422	6.000
25.7	4.00E-01	-0.200	0.500	0.000	0.425	2.100
21.4	4.00E-01	-0.200	0.500	0.000	0.425	6.300
21.2	4.00E-01	-0.200	0.500	0.000	0.426	3.800
16.1	4.00E-01	-0.200	0.500	0.000	0.425	9.000
16	4.00E-01	-0.300	0.500	0.000	0.423	5.000
12.4	4.00E-01	-0.300	0.500	0.000	0.421	6.400
12.2	4.00E-01	-0.400	0.500	0.000	0.419	3.800
7.9	4.00E-01	-0.400	0.500	0.000	0.417	3.100
7.8	4.00E-01	-0.400	0.500	0.000	0.416	4.600
6.1	3.00E-01	-0.400	0.400	0.000	0.329	3.100
6.2	4.00E-01	-0.400	0.500	0.000	0.394	8.400
8.1	4.00E-01	-0.400	0.500	0.000	0.398	5.600
8.4	4.00E-01	0.000	0.500	0.000	0.397	8.000
12.8	8.00E-01	0.500	0.500	0.379	0.399	5.100

1427	35.4	79.6	304.559021	296.984743
1435	35.4	87.4	305.193654	317.560157
1447	35.782	83.5	305.832588	338.135571
1467	36.349	80.8	306	358.710985
1494	36.899	80.8	305.527905	376.383562
1517	37.469	80.3	304.835127	392.136986
1534	37.88	79.2	304.052399	407.890411
1551	38.153	78.8	303.8	415.303866
1560	38.658	77.9	302.729683	418.828596
1567	39.12	75.1	300.918772	422.353326
1578	39.12	72.1	299.062317	423.383199
1584	39.12	71	297.819572	411.695386
1569	38.927	35.9	297.043511	400.007574
1543	37.997	26.7	295.374725	388.322987
1541	37.26	49.2	293.828667	376.640904
1565	37.26	48.6	292.766295	364.958822
1560	37.26	47.3	292.059	359.987184
1561	37.439	46	291.085542	358.725049
1548	37.88	39.3	289.717826	357.462913
1516	37.88	17.9	288.6842	346.821245
1507	37.723	0	287.784211	328.628546
1488	37.155	6.6	287.1	310.435847
1474	36.59	27.2	286.936837	294.388358
1451	36.056	25.5	286.303428	286.314575
1385	34.925	1.1	285.703599	278.240792
1323	33.291	0	285.039221	270.167009
1298	32.146	21.3	283.888919	268.826225
1274	31.382	29.5	283.239546	268.192219
1225	30.588	15.4	283	267.558213
1202	29.307	0	282.697727	263.62852
1279	27.443	0	282.3	255.418221
1301	24.398	4.7	281.891255	247.207922
1230	22.448	4.8	281.6	241.425104
1202	20.049	4.2	281.6	236.903986
1132	17.395	11	281.6	232.382867
1083	15.187	15.2	281.6	229.132727
1030	13.013	24.4	281.309205	228.905455
1148	10.862	26.7	281	228.678182
1011	9.124	21.1	281	228.743561
827	6.984	39.7	280.906667	229.871157
830	5.785	48.6	280.308376	230.998754
1180	5.59	74.3	280.3	232.12635
1505	6.656	68.4	280.3	244.748565
1801	8.299	56.9	280.3	259.46318
1670	10.941	53.2	280.904091	274.177796
1652	12.92	47	281.47033	279.618443
1645	13.994	38.5	281.6	282.953957

0.53768	0.06906	2.27949	1794.622
0.53784	0.06922	2.28288	1800.057
0.53805	0.06939	2.28758	1807.349
0.53832	0.06956	2.29189	1815.55
0.53873	0.06973	2.29581	1823.998
0.53919	0.06989	2.29969	1832.21
0.53966	0.07009	2.30345	1839.743
0.54013	0.0702	2.30718	1847.178
0.54058	0.07039	2.31065	1854.874
0.541	0.07052	2.31377	1862.598
0.54139	0.07066	2.31658	1869.698
0.54175	0.07081	2.31939	1875.739
0.54206	0.0709	2.32227	1880.82
0.54228	0.07101	2.32365	1883.766
0.54245	0.07104	2.32465	1885.761
0.54258	0.07112	2.32771	1888.1
0.54269	0.07114	2.33165	1891.609
0.54281	0.0712	2.33463	1895.485
0.54292	0.07125	2.33719	1899.297
0.54302	0.07127	2.33975	1902.437
0.5431	0.07131	2.341	1904.475
0.54317	0.07131	2.34161	1905.535
0.54322	0.07134	2.34277	1906.036
0.54325	0.07135	2.34502	1906.711
0.54327	0.07138	2.34737	1907.71
0.54329	0.07142	2.34892	1908.66
0.54331	0.07145	2.34994	1909.313
0.54333	0.0715	2.35131	1909.78
0.54334	0.07152	2.3533	1910.442
0.54335	0.07157	2.35545	1911.42
0.54336	0.07161	2.35733	1912.606
0.54337	0.07168	2.35817	1913.537
0.54338	0.07173	2.35871	1914.046
0.54339	0.07175	2.35946	1914.326
0.5434	0.0718	2.36046	1914.579
0.54341	0.07183	2.3615	1914.813
0.54342	0.07189	2.36247	1915.052
0.54343	0.07193	2.36373	1915.386
0.54344	0.07197	2.36501	1915.8
0.54345	0.07199	2.36631	1916.271
0.54346	0.07201	2.36754	1916.818
0.54347	0.07205	2.36899	1917.597
0.54348	0.07209	2.3716	1919.254
0.5435	0.07222	2.37635	1922.566
0.54352	0.07232	2.38011	1926.933
0.54354	0.07246	2.38294	1931.32
0.54358	0.07254	2.38544	1934.954

11:46:03.216	-7	0.00004	0.00008	0.00187	2.2	0.000213
11:46:04.216	-7	0.00003	0.00007	0.00094	1.285	0.000124
11:46:05.216	-7	0.00003	0.00004	0.00131	1.082	0.000105
11:46:06.216	-7	0.00003	0.00006	0.00127	0.936	0.000091
11:46:07.216	-7	0.00002	0.00003	0.00121	0.81	0.000079
11:46:08.216	-7	0.00003	0.00006	0.00137	0.828	0.00008
11:46:09.216	-7	0.00002	0.00004	0.00136	0.816	0.000079
11:46:10.216	-7	0.00002	0.00004	0.00152	0.818	0.000079
11:46:11.216	-7	0.00001	0.00005	0.00167	0.841	0.000082
11:46:12.216	-7	0.00001	0.00006	0.0021	1.021	0.000099
11:46:13.216	-7	0.00001	0.00011	0.00283	1.471	0.000143
11:46:14.216	-7	0.00001	0.0001	0.00279	1.955	0.00019
11:46:15.216	-7	0.00002	0.00016	0.00178	1.945	0.000188
11:46:16.216	-7	0.00001	0.00012	0.00136	1.726	0.000167
11:46:17.216	-7	0.00001	0.00009	0.00102	1.222	0.000118
11:46:18.216	-7	0.00001	0.00009	0.00113	0.883	0.000086
11:46:19.216	-7	0.00001	0.00009	0.00124	0.717	0.00007
11:46:20.216	-7	0.00001	0.00008	0.00141	0.743	0.000072
11:46:21.216	-7	0.00001	0.00005	0.00188	1.197	0.000116
11:46:22.216	-7	0.00001	0.00014	0.00257	1.829	0.000177
11:46:23.216	-7	0.00002	0.0002	0.00184	2.259	0.000219
11:46:24.216	-7	0.00002	0.0002	0.00149	2.185	0.000211
11:46:25.216	-7	0.00002	0.00012	0.00138	2.072	0.0002
11:46:26.216	-7	0.00002	0.00007	0.00124	1.798	0.000174
11:46:27.216	-7	0.00001	0.0001	0.00113	1.537	0.000149
11:46:28.216	-7	0.00001	0.00007	0.00107	1.323	0.000128
11:46:29.216	-7	0.00001	0.00007	0.00102	1.057	0.000102
11:46:30.216	-7	0.00001	0.00005	0.00096	0.817	0.000079
11:46:31.216	-7	0.00001	0.00004	0.00096	0.698	0.000068
11:46:32.216	-7	0.00001	0.00004	0.00106	0.705	0.000068
11:46:33.216	-7	0.00001	0.00004	0.00116	0.718	0.00007
11:46:34.216	-7	0.00001	0.00004	0.00114	0.771	0.000075
11:46:35.216	-7	0.00001	0.00003	0.00121	0.864	0.000084
11:46:36.216	-7	0.00001	0.00005	0.00136	0.951	0.000092
11:46:37.216	-7	0.00001	0.00004	0.00129	0.998	0.000097
11:46:38.216	-7	0.00001	0.00006	0.0013	0.997	0.000097
11:46:39.216	-7	0.00001	0.00006	0.00172	1.108	0.000107
11:46:40.216	-7	0.00002	0.00006	0.00283	1.858	0.00018
11:46:41.216	-7	0.00002	0.00016	0.00488	3.42	0.000331
11:46:42.216	-7	0.00002	0.00008	0.00446	4.583	0.000443
11:46:43.216	-7	0.00008	0.00008	0.0038	5.305	0.000513
11:46:44.216	-7	0.00014	0.00003	0.00314	4.943	0.000478
11:46:45.216	-7	0.00013	0.00008	0.00242	3.709	0.000359
11:46:46.216	-7	0.0001	0.00007	0.00134	2.407	0.000233
11:46:47.216	-7	0.00006	0.00006	0.00132	1.451	0.000141
11:46:48.216	-7	0.00006	0.00008	0.00167	1.448	0.00014
11:46:49.216	-7	0.00006	0.00004	0.00186	1.752	0.00017

12.9	1.10E+00	0.900	0.500	0.721	0.404	7.600
14.5	1.20E+00	1.000	0.500	0.816	0.408	8.900
14.5	1.20E+00	1.000	0.500	0.820	0.410	5.800
14.5	1.20E+00	1.000	0.500	0.822	0.411	9.000
14.5	1.10E+00	0.800	0.500	0.667	0.412	4.100
13.8	1.10E+00	0.800	0.500	0.663	0.414	7.900
13.7	8.00E-01	0.500	0.500	0.423	0.415	4.800
12	7.00E-01	0.300	0.500	0.257	0.415	4.800
12	5.00E-01	0.100	0.500	0.083	0.416	6.300
11.3	4.00E-01	0.000	0.500	0.000	0.415	6.000
11.3	4.00E-01	0.000	0.500	0.000	0.411	10.600
11.6	4.00E-01	0.000	0.500	0.000	0.406	9.000
11.6	5.00E-01	0.100	0.500	0.081	0.404	16.000
12.4	5.00E-01	0.100	0.500	0.081	0.405	13.100
12.3	5.00E-01	0.100	0.500	0.082	0.408	11.700
10.6	5.00E-01	0.100	0.500	0.083	0.413	13.000
10.4	4.00E-01	0.100	0.400	0.083	0.333	12.800
7.5	4.00E-01	0.100	0.400	0.083	0.333	10.700
7.5	3.00E-01	0.000	0.400	0.007	0.328	5.800
8.1	3.00E-01	0.000	0.400	0.000	0.324	14.800
8.1	5.00E-01	0.100	0.500	0.080	0.401	19.800
9.1	6.00E-01	0.100	0.600	0.080	0.481	20.600
9.1	6.00E-01	0.100	0.600	0.080	0.481	13.000
10.2	6.00E-01	0.100	0.600	0.080	0.482	9.000
10.2	6.00E-01	0.100	0.600	0.081	0.484	13.200
10.6	6.00E-01	0.200	0.600	0.162	0.486	10.200
10.6	7.00E-01	0.200	0.600	0.164	0.491	11.400
9.9	7.00E-01	0.200	0.600	0.165	0.495	7.700
9.9	5.00E-01	0.000	0.600	0.014	0.497	6.600
9.3	5.00E-01	-0.100	0.600	0.000	0.498	5.500
9.3	5.00E-01	-0.200	0.600	0.000	0.498	5.400
9.2	5.00E-01	-0.300	0.600	0.000	0.496	6.800
9.2	5.00E-01	-0.300	0.600	0.000	0.494	4.200
8.5	5.00E-01	-0.300	0.600	0.000	0.491	8.800
8.5	5.00E-01	-0.300	0.600	0.000	0.490	7.300
9.2	5.00E-01	-0.300	0.600	0.000	0.491	9.200
9.1	5.00E-01	-0.300	0.600	0.000	0.493	8.100
7.5	5.00E-01	-0.300	0.600	0.000	0.491	5.000
7.6	4.00E-01	-0.300	0.500	0.000	0.409	9.700
9.7	4.00E-01	-0.100	0.500	0.000	0.398	4.300
9.8	1.20E+00	0.900	0.600	0.735	0.475	4.000
12.4	2.20E+00	2.200	0.600	1.772	0.475	1.800
12.5	2.50E+00	2.500	0.600	1.988	0.479	5.500
14.2	2.50E+00	2.500	0.600	2.015	0.484	6.100
14.2	2.40E+00	2.500	0.500	2.030	0.406	7.100
14.2	2.10E+00	2.100	0.500	1.732	0.407	9.800
14.2	1.90E+00	1.800	0.500	1.472	0.405	4.800

1320	14.28	33	282.142111	286.28947
1083	14.28	23.9	282.3	281.092413
1009	14.065	18.6	282.3	273.156366
970	13.496	22.6	282.3	265.22032
989	12.934	27.7	282.3	257.947264
1168	12.369	25.1	282.3	252.102669
1127	11.035	14.9	282.3	246.258074
1184	10.56	23.3	282.3	243.069448
1301	10.661	41.7	282.3	244.66454
1355	11.18	49.5	282.3	246.259632
1392	11.18	47.1	282.3	247.624043
1423	11.662	41.8	282.3	246.84098
1322	11.8	21.7	282.3	246.057918
1196	11.101	10.7	282.3	245.274855
1029	9.282	26.2	282.3	243.694123
921	7.45	60.6	281.876107	241.681987
1023	7.45	69.1	281.6	239.66985
1083	7.66	58	281.6	241.392143
1116	8.07	56.5	281.6	246.58933
1173	8.144	58	281.6	251.786518
1238	8.749	55.9	281.6	256.485571
1218	9.241	53.1	281.486552	259.666019
1214	9.94	36.5	281	262.846468
1156	9.94	19.9	280.79021	263.53463
1065	9.94	12.8	280.133227	257.129362
1032	9.373	16.7	279.6	250.724095
1015	9.31	17.6	279.6	244.318827
980	8.882	25.7	278.459817	240.524738
943	8.69	31.4	277.600807	236.960797
1023	8.113	40	277.522914	233.633251
1011	8.07	38.1	276.788889	234.21661
988	8.07	39.1	276.233333	234.799969
912	8.07	34	276.2	235.383328
877	8.07	33.6	276.133439	234.302721
863	7.606	36.3	275.578764	232.806122
940	7.45	43.3	274.96263	231.309524
1070	7.846	58.6	274.27	236.378443
1292	8.401	66.4	274.2	242.516168
1512	9.532	68.3	273.366176	248.653892
1647	11.151	67.7	272.4951	260.667014
1727	12.64	65.2	271.865344	278.103578
1739	13.868	54.8	271.153465	295.540143
1565	14.104	43.8	270.8	302.231124
1235	13.66	46.1	270.526038	295.574453
1169	13.66	56.9	269.773077	288.917781
1172	13.66	54.9	268.411613	283
1244	13.66	55.6	267.168448	283

0.54362	0.07262	2.38731	1937.154
0.54365	0.07269	2.38825	1938.439
0.54368	0.07273	2.38956	1939.521
0.54371	0.07279	2.39083	1940.457
0.54373	0.07282	2.39204	1941.267
0.54376	0.07288	2.39341	1942.095
0.54378	0.07292	2.39477	1942.911
0.5438	0.07296	2.39629	1943.729
0.54381	0.07301	2.39796	1944.57
0.54382	0.07307	2.40006	1945.591
0.54383	0.07318	2.40289	1947.062
0.54384	0.07328	2.40568	1949.017
0.54386	0.07344	2.40746	1950.962
0.54387	0.07356	2.40882	1952.688
0.54388	0.07365	2.40984	1953.91
0.54389	0.07374	2.41097	1954.793
0.5439	0.07383	2.41221	1955.51
0.54391	0.07391	2.41362	1956.253
0.54392	0.07396	2.4155	1957.45
0.54393	0.0741	2.41807	1959.279
0.54395	0.0743	2.41991	1961.538
0.54397	0.0745	2.4214	1963.723
0.54399	0.07462	2.42278	1965.795
0.54401	0.07469	2.42402	1967.593
0.54402	0.07479	2.42515	1969.13
0.54403	0.07486	2.42622	1970.453
0.54404	0.07493	2.42724	1971.51
0.54405	0.07498	2.4282	1972.327
0.54406	0.07502	2.42916	1973.025
0.54407	0.07506	2.43022	1973.73
0.54408	0.0751	2.43138	1974.448
0.54409	0.07514	2.43252	1975.219
0.5441	0.07517	2.43373	1976.083
0.54411	0.07522	2.43509	1977.034
0.54412	0.07526	2.43638	1978.032
0.54413	0.07532	2.43768	1979.029
0.54414	0.07538	2.4394	1980.137
0.54416	0.07544	2.44223	1981.995
0.54418	0.0756	2.44711	1985.415
0.5442	0.07568	2.45157	1989.998
0.54428	0.07576	2.45537	1995.303
0.54442	0.07579	2.45851	2000.246
0.54455	0.07587	2.46093	2003.955
0.54465	0.07594	2.46227	2006.362
0.54471	0.076	2.46359	2007.813
0.54477	0.07608	2.46526	2009.261
0.54483	0.07612	2.46712	2011.013

11:46:50.216	-7	0.00005	0.00009	0.00193	2.138	0.000207
11:46:51.216	-7	0.00005	0.00008	0.0019	2.395	0.000232
11:46:52.216	-7	0.00005	0.00013	0.0015	2.534	0.000245
11:46:53.216	-7	0.00004	0.00012	0.00137	2.6	0.000251
11:46:54.216	-7	0.00004	0.00012	0.00137	2.661	0.000257
11:46:55.216	-7	0.00004	0.00014	0.00136	2.71	0.000262
11:46:56.216	-7	0.00004	0.00011	0.00129	2.792	0.00027
11:46:57.216	-7	0.00003	0.00016	0.00127	2.895	0.00028
11:46:58.216	-7	0.00004	0.00014	0.00161	3.333	0.000322
11:46:59.216	-7	0.00004	0.00019	0.0017	3.653	0.000353
11:47:00.216	-7	0.00003	0.00014	0.00204	3.421	0.000331
11:47:01.216	-7	0.00003	0.00008	0.00154	2.661	0.000257
11:47:02.216	-7	0.00002	0.00008	0.00095	1.853	0.000179
11:47:03.216	-7	0.00002	0.00007	0.00068	1.308	0.000127
11:47:04.216	-7	0.00002	0.00007	0.00053	0.936	0.000091
11:47:05.216	-7	0.00002	0.00004	0.00116	0.791	0.000077
11:47:06.216	-7	0.00002	0.00005	0.00136	0.785	0.000076
11:47:07.216	-7	0.00002	0.00003	0.0013	0.819	0.000079
11:47:08.216	-7	0.00002	0.00003	0.00115	0.899	0.000087
11:47:09.216	-7	0.00002	0.00005	0.00117	1.084	0.000105
11:47:10.216	-7	0.00002	0.00002	0.00144	1.26	0.000122
11:47:11.216	-7	0.00002	0.00006	0.00139	1.461	0.000142
11:47:12.216	-7	0.00002	0.00004	0.00189	1.946	0.000188
11:47:13.216	-7	0.00003	0.00008	0.00221	2.453	0.000237
11:47:14.216	-7	0.00004	0.00014	0.00402	4.969	0.000481
11:47:15.216	-7	0.00015	0.00034	0.00793	11.571	0.001118
11:47:16.216	-7	0.00092	0.00033	0.00826	14.186	0.00137
11:47:17.216	-7	0.00162	0.00023	0.00707	13.927	0.001345
11:47:18.216	-7	0.00194	0.00034	0.00753	13.31	0.001286
11:47:19.216	-7	0.00189	0.00018	0.00503	11.007	0.001064
11:47:20.216	-7	0.00139	0.00016	0.00359	6.964	0.000673
11:47:21.216	-7	0.00109	0.00007	0.00373	5.373	0.00052
11:47:22.216	-7	0.00096	0.00008	0.00334	4.943	0.000478
11:47:23.216	-7	0.00078	0.00011	0.00344	5.087	0.000492
11:47:24.216	-7	0.0006	0.00007	0.00386	5.401	0.000522
11:47:25.216	-7	0.00045	0.00014	0.00338	5.587	0.00054
11:47:26.216	-7	0.00036	0.0001	0.00284	5.46	0.000527
11:47:27.216	-7	0.00026	0.00018	0.00267	5.304	0.000512
11:47:28.216	-7	0.00022	0.00016	0.00251	5.729	0.000553
11:47:29.216	-7	0.00025	0.0002	0.00299	7.243	0.000699
11:47:30.216	-7	0.00027	0.0002	0.00277	8.515	0.000821
11:47:31.216	-7	0.00031	0.0001	0.0028	9.345	0.000901
11:47:32.216	-7	0.00042	0.00022	0.00282	9.362	0.000903
11:47:33.216	-7	0.0005	0.00024	0.00294	8.614	0.000831
11:47:34.216	-7	0.00049	0.00026	0.00323	7.145	0.00069
11:47:35.216	-7	0.00043	0.00012	0.0019	5.603	0.000541
11:47:36.216	-7	0.00031	0.00013	0.00184	3.594	0.000348

13.7	1.70E+00	1.600	0.500	1.286	0.402	9.600
13.7	1.70E+00	1.500	0.600	1.197	0.472	8.000
14	1.40E+00	1.100	0.600	0.894	0.478	12.900
14	1.30E+00	1.000	0.600	0.805	0.477	11.500
14.5	1.20E+00	0.900	0.600	0.720	0.477	11.400
14.5	1.10E+00	0.800	0.600	0.641	0.476	13.800
15.2	1.00E+00	0.700	0.600	0.555	0.475	10.500
15.2	9.00E-01	0.500	0.600	0.403	0.475	15.000
15.8	9.00E-01	0.500	0.600	0.396	0.475	11.400
15.8	9.00E-01	0.500	0.600	0.395	0.473	14.400
16.3	9.00E-01	0.500	0.600	0.394	0.472	11.700
16.3	9.00E-01	0.500	0.600	0.394	0.472	9.000
16.6	9.00E-01	0.500	0.600	0.396	0.476	11.500
16.4	9.00E-01	0.500	0.600	0.404	0.484	10.700
11.9	8.00E-01	0.400	0.600	0.331	0.492	11.000
11.6	8.00E-01	0.400	0.600	0.330	0.496	6.800
4.6	7.00E-01	0.300	0.600	0.254	0.496	7.900
4.5	7.00E-01	0.300	0.600	0.248	0.495	5.200
3	7.00E-01	0.300	0.600	0.247	0.494	3.900
2.9	7.00E-01	0.200	0.600	0.164	0.492	7.200
0	7.00E-01	0.200	0.600	0.163	0.490	3.000
0.2	6.00E-01	0.200	0.600	0.162	0.487	7.600
3.5	7.00E-01	0.300	0.600	0.242	0.484	4.200
3.6	7.00E-01	0.300	0.600	0.240	0.480	7.700
5.6	7.00E-01	0.300	0.600	0.238	0.475	7.600
5.7	1.20E+00	0.800	0.700	0.663	0.547	9.100
8.9	6.10E+00	7.100	0.700	5.575	0.547	7.300
9.2	1.05E+01	12.700	0.700	9.987	0.549	5.000
17.8	1.27E+01	15.400	0.700	12.128	0.551	7.400
18.1	1.42E+01	17.200	0.700	13.609	0.553	4.400
25.2	1.48E+01	17.800	0.800	14.172	0.630	5.600
25.4	1.50E+01	18.000	0.800	14.339	0.638	3.300
29.1	1.48E+01	17.700	0.900	14.090	0.709	4.300
29.2	1.26E+01	15.000	1.000	11.818	0.790	5.900
31.4	1.00E+01	11.600	1.100	9.134	0.863	4.000
31.5	7.70E+00	8.800	1.100	6.851	0.858	8.200
33.3	6.30E+00	7.000	1.100	5.435	0.857	5.600
33.4	4.80E+00	5.100	1.100	3.956	0.856	10.700
34.8	3.90E+00	3.900	1.100	3.055	0.853	9.200
34.9	3.60E+00	3.600	1.100	2.781	0.848	9.600
36	3.50E+00	3.500	1.100	2.688	0.845	8.600
36	3.70E+00	3.700	1.100	2.830	0.845	4.100
36.2	4.90E+00	5.200	1.100	4.007	0.845	8.700
36.3	6.20E+00	6.900	1.100	5.303	0.849	9.600
37.7	6.50E+00	7.200	1.200	5.613	0.929	11.600
37.7	6.60E+00	7.200	1.200	5.663	0.944	6.200
38.3	6.30E+00	6.700	1.200	5.362	0.958	8.500

1277	13.66	53.4	266.651207	283
1266	13.66	52.6	265.9	283.073992
1291	13.66	55.2	265.762283	284.286978
1314	14.28	56.7	265.2	285.499964
1338	14.37	57.9	265.2	286.904423
1341	14.9	57.2	264.92	288.859551
1351	14.97	57.1	264.337653	290.814679
1383	15.53	59	263.700727	293.052
1458	15.53	68.6	263.102712	297.052
1507	15.99	66.3	261.916271	301.052
1309	16.662	46.8	261.1	305.052
1155	15.801	21	261.04472	294.909411
1028	13.744	18.7	260.414837	284.22344
965	10.144	24.3	259.8	273.902796
810	6.46	38.3	259.734242	269.109188
784	3.296	32.6	259.1	264.315579
780	3.11	36.7	259.019978	259.787446
788	1.997	45.5	258.28688	259.570996
781	0.353	43.5	257.72688	259.354545
890	0.451	55.1	257.7	259.138095
962	2.007	57.8	256.671033	260.636655
1079	3.652	62.9	256.4	262.501529
1272	5.154	64.2	255.985315	264.366402
1460	6.636	75	255.7	273.687756
1659	7.863	89.4	255.424801	289.036321
1955	10.53	70.4	255.158578	304.384886
2262	15.615	74.8	255.7	322.133886
2273	19.033	74.2	255.759407	354.751772
2339	22.73	74.4	256.536364	387.369659
2306	25.911	69.8	257.882	417.533302
1755	27.923	57.5	259.270376	411.80364
1600	29.063	67.9	259.8	406.073979
1647	30.172	73.4	259.8	400.344318
1704	31.31	75.7	260.506667	401.147872
1758	32.443	76.1	260.982857	402.637234
1809	33.24	76.8	261.1	404.126596
1768	34.055	74.6	261.516818	404.7
1597	34.983	76.6	262.533711	404.7
1440	35.584	85	263.4703	404.7
1452	36.02	86.3	264.0765	408.236133
1468	36.066	83.6	264.75817	418.19707
1483	36.64	85.2	265.427027	428.158008
1499	36.735	83.1	266.364796	435.229864
1513	37.317	81.2	268.162041	434.982032
1522	37.88	73.3	270.312559	434.734201
1529	37.88	68.5	271.623624	432.96326
1511	37.38	8.8	272.960637	405.022538

0.54488	0.07621	2.46905	2013.151
0.54493	0.07629	2.47095	2015.546
0.54498	0.07642	2.47245	2018.08
0.54502	0.07654	2.47382	2020.68
0.54506	0.07666	2.47519	2023.341
0.5451	0.0768	2.47655	2026.051
0.54514	0.07691	2.47784	2028.843
0.54517	0.07707	2.47911	2031.738
0.54521	0.07721	2.48072	2035.071
0.54525	0.0774	2.48242	2038.724
0.54528	0.07754	2.48446	2042.145
0.54531	0.07762	2.486	2044.806
0.54533	0.0777	2.48695	2046.659
0.54535	0.07777	2.48763	2047.967
0.54537	0.07784	2.48816	2048.903
0.54539	0.07788	2.48932	2049.694
0.54541	0.07793	2.49068	2050.479
0.54543	0.07796	2.49198	2051.298
0.54545	0.07799	2.49313	2052.197
0.54547	0.07804	2.4943	2053.281
0.54549	0.07806	2.49574	2054.541
0.54551	0.07812	2.49713	2056.002
0.54553	0.07816	2.49902	2057.948
0.54556	0.07824	2.50123	2060.401
0.5456	0.07838	2.50525	2065.37
0.54575	0.07872	2.51318	2076.941
0.54667	0.07905	2.52144	2091.127
0.54829	0.07928	2.52851	2105.054
0.55023	0.07962	2.53604	2118.364
0.55212	0.0798	2.54107	2129.371
0.55351	0.07996	2.54466	2136.335
0.5546	0.08003	2.54839	2141.708
0.55556	0.08011	2.55173	2146.651
0.55634	0.08022	2.55517	2151.738
0.55694	0.08029	2.55903	2157.139
0.55739	0.08043	2.56241	2162.726
0.55775	0.08053	2.56525	2168.186
0.55801	0.08071	2.56792	2173.49
0.55823	0.08087	2.57043	2179.219
0.55848	0.08107	2.57342	2186.462
0.55875	0.08127	2.57619	2194.977
0.55906	0.08137	2.57899	2204.322
0.55948	0.08159	2.58181	2213.684
0.55998	0.08183	2.58475	2222.298
0.56047	0.08209	2.58798	2229.443
0.5609	0.08221	2.58988	2235.046
0.56121	0.08234	2.59172	2238.64

11:47:37.216	-7	0.00022	0.0001	0.00076	1.858	0.00018
11:47:38.216	-7	0.00015	0.00009	0.00042	0.844	0.000082
11:47:39.216	-7	0.00011	0.00009	0.00084	0.445	0.000043
11:47:40.216	-7	0.00008	0.00007	0.00138	0.337	0.000033
11:47:41.216	-7	0.00006	0.00011	0.00198	0.553	0.000054
11:47:42.216	-7	0.00006	0.0001	0.00338	1.249	0.000121
11:47:43.216	-7	0.00006	0.00014	0.00386	2.474	0.00024
11:47:44.216	-7	0.00007	0.00015	0.00327	3.565	0.000345
11:47:45.216	-7	0.00007	0.00014	0.00251	4.003	0.000387
11:47:46.216	-7	0.00007	0.00017	0.00213	4.195	0.000405
11:47:47.216	-7	0.00008	0.00014	0.00195	4.316	0.000417
11:47:48.216	-7	0.00008	0.00018	0.00194	4.315	0.000417
11:47:49.216	-7	0.00008	0.00012	0.00205	4.161	0.000402
11:47:50.216	-7	0.00008	0.00014	0.00207	3.92	0.000379
11:47:51.216	-7	0.00008	0.00014	0.00219	3.744	0.000362
11:47:52.216	-7	0.00008	0.00012	0.00255	3.69	0.000357
11:47:53.216	-7	0.00008	0.00017	0.00235	3.713	0.000359
11:47:54.216	-7	0.00008	0.0001	0.00241	3.934	0.00038
11:47:55.216	-7	0.00008	0.00012	0.00225	4.123	0.000398
11:47:56.216	-7	0.00007	0.00004	0.0016	3.622	0.00035
11:47:57.216	-7	0.00005	0.00007	0.00084	2.392	0.000231
11:47:58.216	-7	0.00006	0.00007	0.00008	1.466	0.000142
11:47:59.216	-7	0.00005	0.00007	0.00122	1.287	0.000125
11:48:00.216	-7	0.00005	0.00006	0.00395	2.242	0.000218
11:48:01.216	-7	0.00005	0.00006	0.00421	3.86	0.000374
11:48:02.216	-7	0.00006	0.00014	0.00335	4.749	0.000459
11:48:03.216	-7	0.00008	0.00012	0.00354	6.107	0.00059
11:48:04.216	-7	0.00015	0.00019	0.00432	7.585	0.000732
11:48:05.216	-7	0.00037	0.00014	0.00379	9.055	0.000873
11:48:06.216	-7	0.0008	0.00015	0.00377	9.32	0.000899
11:48:07.216	-7	0.00126	0.00016	0.00414	9.393	0.000906
11:48:08.216	-7	0.00152	0.0001	0.00438	9.405	0.000907
11:48:09.216	-7	0.00158	0.00022	0.00446	9.565	0.000923
11:48:10.216	-7	0.00138	0.00011	0.00373	8.052	0.000777
11:48:11.216	-7	0.00096	0.00014	0.00088	4.688	0.000453
11:48:12.216	-7	0.00072	0.00013	0.00157	3.743	0.000362
11:48:13.216	-7	0.00062	0.00014	0.00482	5.389	0.000521
11:48:14.216	-7	0.00088	0.00039	0.00878	11.299	0.001091
11:48:15.216	-7	0.00164	0.00029	0.00682	13.55	0.001308
11:48:16.216	-7	0.00196	0.00033	0.00359	11.07	0.001069
11:48:17.216	-7	0.0018	0.0001	0.00473	7.984	0.000772
11:48:18.216	-7	0.00156	0.00015	0.00475	6.319	0.000611
11:48:19.216	-7	0.00123	0.00008	0.00395	5.465	0.000528
11:48:20.216	-7	0.00094	0.0001	0.00336	5.301	0.000512
11:48:21.216	-7	0.00067	0.00014	0.00287	5.376	0.000519
11:48:22.216	-7	0.00044	0.00012	0.00218	4.96	0.000479
11:48:23.216	-7	0.00031	0.00018	0.00186	4.34	0.00042

38.3	5.80E+00	5.900	1.200	4.836	0.979	9.200
37.5	4.80E+00	4.700	1.100	3.895	0.925	9.100
37.4	3.70E+00	3.200	1.100	2.742	0.929	9.600
36.1	2.60E+00	2.000	1.100	1.666	0.932	7.000
36.1	1.90E+00	1.100	1.100	0.952	0.927	10.800
35.4	1.60E+00	0.900	1.000	0.756	0.839	8.400
35.4	1.50E+00	0.800	1.000	0.649	0.811	10.600
35.6	1.40E+00	0.800	1.000	0.636	0.795	10.400
35.6	1.50E+00	0.800	1.100	0.630	0.860	10.100
36.2	1.50E+00	0.800	1.100	0.629	0.865	12.000
36.3	1.60E+00	0.900	1.100	0.707	0.865	9.300
37.3	1.70E+00	1.000	1.100	0.787	0.865	11.800
37.3	1.70E+00	1.100	1.000	0.860	0.794	8.400
38.2	1.70E+00	1.100	1.000	0.867	0.788	10.200
38.2	1.70E+00	1.200	1.000	0.944	0.791	10.200
38.8	1.70E+00	1.200	1.000	0.950	0.792	8.900
38.8	1.70E+00	1.200	1.000	0.950	0.792	12.000
38.9	1.70E+00	1.200	1.000	0.948	0.790	7.300
38.9	1.70E+00	1.200	1.000	0.945	0.787	8.600
38.6	1.70E+00	1.200	0.900	0.941	0.712	3.000
38.5	1.70E+00	1.200	0.900	0.957	0.718	7.000
36.8	1.70E+00	1.100	0.900	0.914	0.740	7.200
36.7	1.40E+00	0.800	0.900	0.673	0.747	5.700
34.5	1.20E+00	0.600	0.800	0.498	0.661	4.800
34.4	1.10E+00	0.600	0.800	0.477	0.635	4.200
33.6	1.10E+00	0.600	0.800	0.471	0.629	9.000
33.6	1.20E+00	0.800	0.800	0.616	0.623	6.400
33.4	2.00E+00	1.800	0.800	1.422	0.619	8.700
33.4	4.40E+00	4.800	0.900	3.736	0.687	5.700
33.9	9.40E+00	11.200	0.900	8.661	0.693	5.700
34	1.44E+01	17.700	0.900	13.664	0.694	5.900
35	1.72E+01	21.400	0.900	16.519	0.695	3.700
35	1.75E+01	21.800	0.900	16.833	0.695	8.000
35.9	1.75E+01	21.600	0.900	16.779	0.698	4.500
35.9	1.65E+01	19.900	0.900	15.786	0.714	8.000
35.8	1.28E+01	15.000	0.900	12.067	0.724	7.400
35.7	8.90E+00	10.300	0.900	8.173	0.716	6.700
33.9	8.10E+00	9.600	0.900	7.431	0.697	12.000
33.9	1.27E+01	15.600	0.900	12.029	0.696	7.400
33.7	1.61E+01	19.500	1.000	15.326	0.778	9.000
33.7	1.84E+01	22.200	1.000	17.586	0.792	3.400
34.6	1.94E+01	23.500	1.000	18.649	0.794	6.200
34.6	1.83E+01	22.100	1.000	17.529	0.792	3.900
34.6	1.51E+01	18.100	1.000	14.271	0.789	5.500
34.6	1.11E+01	13.200	1.000	10.336	0.786	7.800
34.8	7.80E+00	8.800	1.100	6.912	0.865	6.900
34.8	5.80E+00	6.200	1.100	4.916	0.872	10.800

1480	36.819	0	274.633944	377.081815
1448	36.21	0	275.412284	349.141093
1424	35.648	8.9	275.5	335.562074
1423	35.099	31.2	275.5	325.221479
1458	34.78	49	275.917618	314.880884
1485	34.995	57.7	276.2	314.64796
1481	35.4	65.3	276.476653	322.453992
1482	35.447	65.5	277.22853	330.260024
1503	36.054	63.4	278.771885	337.785021
1521	36.633	65.1	280.61928	343.985144
1538	36.64	64.7	281.636339	350.185267
1557	37.652	63.3	282.273862	356.38539
1569	37.88	59.6	283.521656	357.609896
1588	38.319	55	285.504827	358.384046
1599	38.5	55.5	287.095385	359.158196
1605	38.5	57.2	287.1	359.694479
1610	38.5	59.3	288.26436	360.217184
1606	38.5	64.3	289.048095	360.739889
1549	38.09	40.7	290.956	350.787612
1493	37.188	11.7	292.13936	339.474179
1441	35.763	12.2	292.5	328.160746
1431	34.56	42.9	292.5	323.401617
1445	34.01	68.2	292.804206	324.339218
1393	33.369	64.7	293.548401	325.276819
1379	32.91	71.1	294.310828	332.040321
1382	32.91	75.9	295.171515	346.158693
1336	32.91	80.6	296.4042	360.277065
1344	32.95	84.9	297.549863	375.446332
1361	33.442	81.2	298.178834	394.872253
1386	34.462	84.3	298.737939	414.298173
1404	34.78	83.4	299.284909	433.724094
1421	35.093	82.5	299.905769	440.629146
1437	35.614	82.3	300.931742	443.338285
1439	35.851	65.3	301.906468	446.047425
1448	34.949	45.3	302.3	444.714756
1486	33.53	73.6	302.015084	437.060283
1407	33.53	84.9	301.6	429.40581
1683	33.53	78.4	301.6	424.347647
1811	33.53	74	301.657208	435.644336
1858	34.046	61.3	302.3	446.941026
1862	34.16	68.1	303.651351	458.237716
1862	34.16	72.5	303.8	456.27573
1859	34.16	74	304.294281	451.863089
1858	34.16	74.1	304.5	447.450447
1866	34.389	68.6	304.951338	437.000063
1872	34.78	59.7	305.2	420.265497
1787	34.621	37.9	305.2	403.530931

0.56143	0.08244	2.59248	2240.498
0.56158	0.08253	2.5929	2241.342
0.56169	0.08262	2.59374	2241.787
0.56177	0.08269	2.59512	2242.124
0.56183	0.0828	2.5971	2242.677
0.56189	0.0829	2.60048	2243.926
0.56195	0.08304	2.60434	2246.4
0.56202	0.08319	2.60761	2249.965
0.56209	0.08333	2.61012	2253.968
0.56216	0.0835	2.61225	2258.163
0.56224	0.08364	2.6142	2262.479
0.56232	0.08382	2.61614	2266.794
0.5624	0.08394	2.61819	2270.955
0.56248	0.08408	2.62026	2274.875
0.56256	0.08422	2.62245	2278.619
0.56264	0.08434	2.625	2282.309
0.56272	0.08451	2.62735	2286.022
0.5628	0.08461	2.62976	2289.956
0.56288	0.08473	2.63201	2294.079
0.56295	0.08477	2.63361	2297.701
0.563	0.08484	2.63445	2300.093
0.56306	0.08491	2.63453	2301.559
0.56311	0.08498	2.63575	2302.846
0.56316	0.08504	2.6397	2305.088
0.56321	0.0851	2.64391	2308.948
0.56327	0.08524	2.64726	2313.697
0.56335	0.08536	2.6508	2319.804
0.5635	0.08555	2.65512	2327.389
0.56387	0.08569	2.65891	2336.444
0.56467	0.08584	2.66268	2345.764
0.56593	0.086	2.66682	2355.157
0.56745	0.0861	2.6712	2364.562
0.56903	0.08632	2.67566	2374.127
0.57041	0.08643	2.67939	2382.179
0.57137	0.08657	2.68027	2386.867
0.57209	0.0867	2.68184	2390.61
0.57271	0.08684	2.68666	2395.999
0.57359	0.08723	2.69544	2407.298
0.57523	0.08752	2.70226	2420.848
0.57719	0.08785	2.70585	2431.918
0.57899	0.08795	2.71058	2439.902
0.58055	0.0881	2.71533	2446.221
0.58178	0.08818	2.71928	2451.686
0.58272	0.08828	2.72264	2456.987
0.58339	0.08842	2.72551	2462.363
0.58383	0.08854	2.72769	2467.323
0.58414	0.08872	2.72955	2471.663

11:48:24.216	-7	0.00018	0.00012	0.00104	2.547	0.000246
11:48:25.216	-7	0.00012	0.00013	0.00056	1.376	0.000133
11:48:26.216	-7	0.0001	0.00008	0.00109	0.79	0.000077
11:48:27.216	-7	0.00008	0.00008	0.00215	0.719	0.00007
11:48:28.216	-7	0.00007	0.0001	0.00209	1.07	0.000104
11:48:29.216	-7	0.00007	0.00007	0.00362	1.95	0.000189
11:48:30.216	-7	0.00007	0.00012	0.00313	2.838	0.000275
11:48:31.216	-7	0.00006	0.0001	0.00211	3.164	0.000306
11:48:32.216	-7	0.00006	0.00015	0.00144	2.934	0.000284
11:48:33.216	-7	0.00005	0.00011	0.00121	2.752	0.000266
11:48:34.216	-7	0.00006	0.00013	0.00081	2.445	0.000236
11:48:35.216	-7	0.00007	0.00016	0.00034	2.324	0.000225
11:48:36.216	-7	0.00007	0.00012	0.00293	3.186	0.000309
11:48:37.216	-7	0.00009	0.00018	0.00449	5.253	0.000508
11:48:38.216	-7	0.00011	0.00008	0.00452	6.944	0.000671
11:48:39.216	-7	0.00024	0.00016	0.00412	7.404	0.000715
11:48:40.216	-7	0.00039	0.00008	0.00357	7.552	0.000729
11:48:41.216	-7	0.00043	0.00009	0.00328	6.487	0.000626
11:48:42.216	-7	0.00042	0.00009	0.00249	5.359	0.000518
11:48:43.216	-7	0.00039	0.00005	0.00246	4.626	0.000447
11:48:44.216	-7	0.00036	0.0001	0.0021	4.029	0.000389
11:48:45.216	-7	0.0003	0.00007	0.00117	2.824	0.000273
11:48:46.216	-7	0.00022	0.00014	0.00073	1.588	0.000154
11:48:47.216	-7	0.00015	0.0001	0.00052	0.777	0.000075
11:48:48.216	-7	0.0001	0.00014	0.00084	0.385	0.000037
11:48:49.216	-7	0.00007	0.0001	0.00139	0.26	0.000025
11:48:50.216	-7	0.00006	0.00005	0.00184	0.222	0.000022
11:48:51.216	-7	0.00005	0.00007	0.00196	0.208	0.00002
11:48:52.216	-7	0.00005	0.00004	0.00179	0.19	0.000018
11:48:53.216	-7	0.00004	0.00007	0.00169	0.157	0.000015
11:48:54.216	-7	0.00003	0.00003	0.00127	0.141	0.000014
11:48:55.216	-7	0.00003	0.00004	0.00089	0.135	0.000013
11:48:56.216	-7	0.00002	0.00004	0.001	0.186	0.000018
11:48:57.216	-7	0.00002	0.00003	0.00119	0.29	0.000028
11:48:58.216	-7	0.00002	0.00006	0.00084	0.266	0.000026
11:48:59.216	-7	0.00002	0.00003	0.00094	0.195	0.000019
11:49:00.216	-7	0.00002	0.00005	0.00098	0.139	0.000014
11:49:01.216	-7	0.00002	0.00002	0.00117	0.127	0.000012
11:49:02.216	-7	0.00002	0.00005	0.00131	0.137	0.000013
11:49:03.216	-7	0.00002	0.00005	0.00166	0.359	0.000035
11:49:04.216	-7	0.00002	0.00005	0.00263	0.808	0.000079
11:49:05.216	-7	0.00002	0.00009	0.00266	1.226	0.000119
11:49:06.216	-7	0.00002	0.00008	0.00225	1.628	0.000158
11:49:07.216	-7	0.00002	0.00012	0.00252	2.122	0.000206
11:49:08.216	-7	0.00002	0.00007	0.00265	2.64	0.000256
11:49:09.216	-7	0.00003	0.00013	0.00229	2.994	0.00029
11:49:10.216	-7	0.00003	0.0001	0.00177	3.161	0.000306

35	4.50E+00	4.500	1.100	3.592	0.887	9.600
35	3.70E+00	3.400	1.100	2.829	0.907	13.400
34.4	3.00E+00	2.600	1.000	2.207	0.838	8.400
34.4	2.50E+00	1.900	1.000	1.618	0.841	7.600
33.9	1.90E+00	1.300	1.000	1.102	0.834	9.200
33.9	1.70E+00	1.100	1.000	0.906	0.817	6.200
34.5	1.60E+00	1.000	1.000	0.810	0.802	10.000
34.5	1.60E+00	1.000	1.000	0.795	0.795	8.600
35.2	1.60E+00	1.000	1.000	0.793	0.793	13.600
35.2	1.60E+00	1.000	1.000	0.792	0.792	11.100
35.4	1.60E+00	1.000	1.000	0.804	0.804	11.600
35.4	1.60E+00	1.000	1.000	0.813	0.813	12.600
34.5	1.50E+00	0.900	0.900	0.732	0.732	7.800
34.5	1.40E+00	0.900	0.900	0.710	0.710	9.800
34.4	1.60E+00	1.200	0.900	0.921	0.700	4.000
34.4	3.40E+00	3.500	0.900	2.725	0.696	7.400
34.5	5.40E+00	6.000	1.000	4.628	0.765	3.700
34.5	6.50E+00	7.400	1.000	5.724	0.778	4.700
34.3	7.10E+00	8.100	1.000	6.329	0.785	4.900
34.3	7.30E+00	8.200	1.000	6.466	0.789	3.200
34.2	7.20E+00	8.100	1.000	6.424	0.792	6.400
34.2	6.70E+00	7.300	1.000	5.850	0.807	5.400
33.3	5.20E+00	5.400	0.900	4.436	0.751	11.400
33.3	3.60E+00	3.400	0.900	2.827	0.758	7.900
32.7	2.40E+00	2.100	0.800	1.743	0.680	11.500
32.7	1.70E+00	1.200	0.800	1.045	0.682	7.800
32.6	1.40E+00	0.800	0.800	0.686	0.683	4.200
32.6	1.30E+00	0.700	0.800	0.597	0.683	5.300
32.5	1.10E+00	0.600	0.700	0.512	0.603	3.300
32.5	1.10E+00	0.600	0.700	0.512	0.597	6.800
33.1	1.00E+00	0.400	0.800	0.347	0.676	3.400
33.1	9.00E-01	0.300	0.800	0.261	0.683	5.200
33.5	9.00E-01	0.300	0.800	0.256	0.681	5.400
33.4	9.00E-01	0.300	0.800	0.254	0.678	4.500
32.3	9.00E-01	0.300	0.800	0.254	0.678	8.700
32.3	9.00E-01	0.200	0.800	0.179	0.680	4.900
32.2	8.00E-01	0.100	0.800	0.091	0.682	7.900
32.2	7.00E-01	-0.100	0.800	0.000	0.682	2.100
32.7	7.00E-01	-0.100	0.800	0.000	0.683	5.200
32.8	6.00E-01	-0.100	0.700	0.000	0.593	5.300
33.7	6.00E-01	-0.200	0.700	0.000	0.585	6.200
33.7	6.00E-01	-0.200	0.700	0.000	0.578	9.200
34.4	6.00E-01	-0.100	0.700	0.000	0.574	7.600
34.4	6.00E-01	-0.100	0.800	0.000	0.649	10.700
35.2	6.00E-01	0.000	0.800	0.000	0.641	6.000
35.2	7.00E-01	0.100	0.800	0.080	0.636	11.000
34.8	8.00E-01	0.200	0.800	0.159	0.634	8.100

1537	34.16	3.4	305.448226	386.711375
1352	34.16	16.1	305.845244	369.692562
1350	33.632	20.4	305.205755	352.673748
1443	33.53	50.7	305.2	335.654935
1447	33.892	57.5	305.2	336.25935
1437	34.16	57.4	305.2	340.121138
1444	34.376	57.4	305.59415	343.982927
1451	34.92	57.8	306.565849	344.011204
1455	35.387	52.5	307.4	338.289215
1401	34.81	1.4	307.456544	332.567226
1390	34.195	43.4	308.1	327.574628
1453	34.16	69.2	308.1	333.61702
1437	34.16	71.3	308.157273	339.659412
1405	34.16	84.4	309.520909	345.701803
1391	34.16	80.1	310.20551	363.960352
1384	34.16	80.3	311.403017	383.561186
1379	34.16	78.3	313.625341	403.16202
1371	33.947	76	315.076727	409.997355
1363	33.53	72.3	316.26592	406.1322
1414	33.483	57.7	317.952963	402.267044
1800	32.919	50.7	319.305455	396.193494
1767	32.426	9.6	320.027085	370.887616
1748	32.29	0.3	320.628977	345.581737
1744	32.29	0	320.7	320.275858
1743	32.29	0	321.198198	303.203413
1746	32.29	0	321.4	288.846249
1753	32.29	0	321.4	274.489085
1760	32.29	0	321.4	262.522782
1764	32.29	0	321.4	254.938594
1641	32.865	0.1	321.4	247.354407
1329	33.422	18.8	321.4	239.77022
1325	33.53	4.9	321.4	237.177828
1312	32.733	0	321.4	234.915385
1275	31.855	0	321.4	232.652941
1260	31.67	0	320.831091	229.86196
1255	31.67	0	320.7	226.973288
1278	32.05	6.9	320.143077	224.084615
1302	32.29	29.9	320	225.355202
1332	32.623	38.5	320	227.917722
1359	33.192	38.2	320	230.480241
1382	33.733	40.7	320	235.032696
1414	34.16	47.1	319.672289	241.392804
1442	34.16	57.6	319.2	247.752911
1450	34.16	61.3	319.2	254.825867
1437	34.16	59.1	319.2	265.259393
1434	34.16	59.4	319.2	275.692919
1427	34.16	56	319.2	286.126445

0.58432	0.08884	2.73059	2474.21
0.58444	0.08897	2.73115	2475.586
0.58454	0.08905	2.73224	2476.376
0.58462	0.08913	2.73439	2477.095
0.58469	0.08923	2.73648	2478.165
0.58476	0.0893	2.7401	2480.115
0.58483	0.08942	2.74323	2482.953
0.58489	0.08952	2.74534	2486.117
0.58495	0.08967	2.74678	2489.051
0.585	0.08978	2.74799	2491.803
0.58506	0.08991	2.7488	2494.248
0.58513	0.09007	2.74914	2496.572
0.5852	0.09019	2.75207	2499.758
0.58529	0.09037	2.75656	2505.011
0.5854	0.09045	2.76108	2511.955
0.58564	0.09061	2.7652	2519.359
0.58603	0.09069	2.76877	2526.911
0.58646	0.09078	2.77205	2533.398
0.58688	0.09087	2.77454	2538.757
0.58727	0.09092	2.777	2543.383
0.58763	0.09102	2.7791	2547.412
0.58793	0.09109	2.78027	2550.236
0.58815	0.09123	2.781	2551.824
0.5883	0.09133	2.78152	2552.601
0.5884	0.09147	2.78236	2552.986
0.58847	0.09157	2.78375	2553.246
0.58853	0.09162	2.78559	2553.468
0.58858	0.09169	2.78755	2553.676
0.58863	0.09173	2.78934	2553.866
0.58867	0.0918	2.79103	2554.023
0.5887	0.09183	2.7923	2554.164
0.58873	0.09187	2.79319	2554.299
0.58875	0.09191	2.79419	2554.485
0.58877	0.09194	2.79538	2554.775
0.58879	0.092	2.79622	2555.041
0.58881	0.09203	2.79716	2555.236
0.58883	0.09208	2.79814	2555.375
0.58885	0.0921	2.79931	2555.502
0.58887	0.09215	2.80062	2555.639
0.58889	0.0922	2.80228	2555.998
0.58891	0.09225	2.80491	2556.806
0.58893	0.09234	2.80757	2558.032
0.58895	0.09242	2.80982	2559.66
0.58897	0.09254	2.81234	2561.782
0.58899	0.09261	2.81499	2564.422
0.58902	0.09274	2.81728	2567.416
0.58905	0.09284	2.81905	2570.577

11:49:11.216	-7	0.00003	0.00009	0.00151	3.042	0.000294
11:49:12.216	-7	0.00003	0.00011	0.00128	2.489	0.000241
11:49:13.216	-7	0.00003	0.00006	0.00075	1.743	0.000169
11:49:14.216	-7	0.00003	0.00009	0.00044	1.115	0.000108
11:49:15.216	-7	0.00003	0.00006	0.00083	0.736	0.000071
11:49:16.216	-7	0.00005	0.00012	0.00402	2.347	0.000228
11:49:17.216	-7	0.00007	0.00016	0.00893	6.343	0.000614
11:49:18.216	-7	0.00024	0.00018	0.00654	8.538	0.000825
11:49:19.216	-7	0.00051	0.00023	0.00431	9.014	0.00087
11:49:20.216	-7	0.00063	0.00012	0.0039	8.896	0.000859
11:49:21.216	-7	0.00066	0.00019	0.00444	8.657	0.000836
11:49:22.216	-7	0.00065	0.00008	0.00434	8.25	0.000797
11:49:23.216	-7	0.00063	0.0002	0.00461	7.959	0.000769
11:49:24.216	-7	0.00063	0.00014	0.00434	7.977	0.00077
11:49:25.216	-7	0.00063	0.00013	0.00414	7.863	0.000759
11:49:26.216	-7	0.00051	0.00014	0.0031	6.304	0.000609
11:49:27.216	-7	0.00044	0.00008	0.00212	4.662	0.000451
11:49:28.216	-7	0.00037	0.00015	0.00154	3.844	0.000372
11:49:29.216	-7	0.00025	0.00011	0.00218	3.646	0.000353
11:49:30.216	-7	0.0002	0.00018	0.00232	4.064	0.000393
11:49:31.216	-7	0.00017	0.00014	0.00257	4.689	0.000453
11:49:32.216	-7	0.00015	0.00017	0.00245	4.91	0.000474
11:49:33.216	-7	0.00014	0.00018	0.00212	5.039	0.000487
11:49:34.216	-7	0.00014	0.00011	0.00215	5.198	0.000502
11:49:35.216	-7	0.00014	0.00015	0.00189	5.204	0.000503
11:49:36.216	-7	0.00012	0.00006	0.00185	4.644	0.000449
11:49:37.216	-7	0.0001	0.00009	0.00129	3.546	0.000342
11:49:38.216	-7	0.0001	0.00007	0.00083	3.175	0.000307
11:49:39.216	-7	0.00008	0.00009	0.00033	1.979	0.000191
11:49:40.216	-7	0.00005	0.00008	0.00019	1.168	0.000113
11:49:41.216	-7	0.00004	0.00007	0.0007	0.818	0.000079
11:49:42.216	-7	0.00003	0.00008	0.00119	0.714	0.000069
11:49:43.216	-7	0.00003	0.00005	0.00137	0.723	0.00007
11:49:44.216	-7	0.00003	0.00008	0.00128	0.706	0.000069
11:49:45.216	-7	0.00003	0.00005	0.00109	0.56	0.000054
11:49:46.216	-7	0.00002	0.00005	0.00085	0.39	0.000038
11:49:47.216	-7	0.00002	0.00004	0.0009	0.25	0.000024
11:49:48.216	-7	0.00002	0.00003	0.00107	0.18	0.000018
11:49:49.216	-7	0.00002	0.00005	0.00101	0.166	0.000016
11:49:50.216	-7	0.00002	0.00002	0.00089	0.144	0.000014
11:49:51.216	-7	0.00001	0.00006	0.00097	0.131	0.000013
11:49:52.216	-7	0.00001	0.00003	0.0008	0.118	0.000012
11:49:53.216	-7	0.00001	0.00004	0.00076	0.139	0.000014
11:49:54.216	-7	0.00001	0.00004	0.00067	0.208	0.00002
11:49:55.216	-7	0.00001	0.00003	0.00094	0.302	0.000029
11:49:56.216	-7	0.00001	0.00005	0.00114	0.386	0.000038
11:49:57.216	-7	0.00001	0.00002	0.00101	0.417	0.000041

34.8	9.00E-01	0.300	0.800	0.238	0.633	8.300
34.5	9.00E-01	0.400	0.800	0.311	0.636	11.000
34.4	1.00E+00	0.400	0.800	0.322	0.644	7.700
32.6	9.00E-01	0.400	0.700	0.330	0.578	10.500
32.5	9.00E-01	0.400	0.700	0.336	0.588	6.000
30.4	9.00E-01	0.400	0.700	0.329	0.576	6.900
30.4	8.00E-01	0.400	0.600	0.318	0.478	6.400
29.9	2.80E+00	2.900	0.700	2.265	0.545	6.800
30	5.70E+00	6.700	0.700	5.161	0.543	8.500
31.4	7.00E+00	8.300	0.700	6.424	0.545	4.400
31.5	7.50E+00	8.900	0.700	6.919	0.545	7.100
32.8	7.50E+00	8.900	0.700	6.946	0.546	3.100
32.9	7.60E+00	9.000	0.700	7.031	0.547	7.800
33.7	7.60E+00	9.000	0.700	7.030	0.547	5.500
33.7	7.60E+00	9.000	0.700	7.030	0.547	5.100
34.4	7.60E+00	9.000	0.700	7.043	0.548	7.000
34.4	7.70E+00	9.000	0.700	7.127	0.554	4.400
34.8	7.10E+00	8.200	0.700	6.525	0.559	9.600
34.8	5.00E+00	5.600	0.700	4.458	0.559	7.600
34.1	3.90E+00	4.200	0.700	3.312	0.556	11.600
34.1	3.20E+00	3.300	0.700	2.617	0.551	8.800
34.1	2.90E+00	3.000	0.700	2.357	0.549	10.500
34.1	2.70E+00	2.700	0.700	2.127	0.548	11.000
34.9	2.50E+00	2.500	0.700	1.961	0.547	6.900
35	2.50E+00	2.500	0.700	1.954	0.547	8.900
35.9	2.50E+00	2.500	0.700	1.956	0.548	4.000
36	2.50E+00	2.500	0.700	1.961	0.549	7.800
37.3	2.50E+00	2.500	0.700	1.974	0.553	6.600
37.3	2.50E+00	2.500	0.600	2.018	0.491	9.400
36.7	1.90E+00	1.900	0.400	1.578	0.336	9.900
36.7	1.50E+00	1.500	0.300	1.261	0.250	9.000
36	1.30E+00	1.300	0.300	1.091	0.250	9.900
36	1.20E+00	1.100	0.300	0.922	0.250	6.000
35.1	1.10E+00	1.000	0.300	0.842	0.250	10.200
35.1	1.10E+00	0.900	0.400	0.754	0.331	7.100
33.9	1.00E+00	0.800	0.400	0.682	0.337	6.400
33.8	1.00E+00	0.800	0.400	0.678	0.339	6.700
31.5	1.00E+00	0.800	0.400	0.680	0.340	4.000
31.2	9.00E-01	0.600	0.400	0.518	0.340	6.900
25.7	8.00E-01	0.500	0.400	0.426	0.341	3.000
25.5	6.00E-01	0.300	0.400	0.270	0.341	8.400
21.4	5.00E-01	0.200	0.400	0.171	0.341	4.700
21.2	4.00E-01	0.100	0.400	0.094	0.341	5.600
15.2	3.00E-01	0.000	0.400	0.009	0.340	6.100
15	3.00E-01	0.000	0.400	0.000	0.338	4.100
10.7	4.00E-01	0.000	0.500	0.000	0.421	8.300
10.6	4.00E-01	0.000	0.500	0.000	0.420	3.400

1379	33.834	22.4	318.577177	283.217391
1315	32.792	0	317.753819	274.989967
1253	31.497	0	317.05903	266.762542
1229	30.455	26.3	316.338376	265.098441
1226	29.81	57.7	315.69873	265.923876
1418	29.604	77.6	315.4	266.749312
1712	29.519	86.4	315.4	282.350839
1661	30.517	83.4	314.958247	315.72273
1709	31.645	78	313.615804	349.094621
1741	32.221	77.7	310.949045	382.466512
1774	32.722	76.8	309.675159	392.099506
1801	33.261	77.7	306.898565	401.637162
1819	33.53	79.5	304.613394	411.174818
1835	33.767	79.7	302.4866	415.533333
1854	34.16	75.2	300.268048	415.772711
1867	34.16	62.8	298.359116	416.012089
1853	34.107	48.5	297.097455	414.120235
1831	33.569	56.5	295.790652	404.446908
1815	33.53	69	293.853327	394.773581
1821	33.53	68.7	292.5	385.775464
1834	34.146	69.9	292.171178	386.992633
1687	34.16	63.9	291.077757	388.209801
1555	34.678	71	290.507414	389.42697
1510	35.211	73.6	289.877568	390.617002
1506	35.797	73	289.231574	391.805302
1508	36.38	66.7	288.592357	392.993601
1485	36.64	38	288.4	380.161667
1462	36.426	14.5	288.011914	360.042619
1456	35.863	14.1	287.460763	339.923571
1439	35.4	17.4	287.1	322.343303
1422	35.4	21.2	287.1	310.743651
1408	34.881	21.5	287.1	299.143998
1368	34.318	3.9	287.1	287.544345
1335	33.8	0	287.1	278.118413
1293	32.896	0	287.1	269.103446
1245	31.802	0	286.4	260.088479
1175	30.061	0	286.4	254.139366
1109	27.075	1.1	286.375046	248.291604
1275	24.697	0.1	285.735192	242.443842
1206	22.524	0	285.7	239.016147
1159	19.706	10.7	285.7	235.836596
1103	16.342	19.4	285.7	232.657045
1109	13.649	14.1	285.7	230.884715
1128	11.63	13.8	285.7	229.718355
1063	9.846	21	285.7	228.551995
936	8.214	23.8	285.7	228.150643
802	6.705	25.8	285.7	228.718995

0.58908	0.09293	2.82056	2573.619
0.58911	0.09304	2.82184	2576.108
0.58914	0.0931	2.82259	2577.851
0.58917	0.09319	2.82303	2578.966
0.5892	0.09325	2.82386	2579.702
0.58925	0.09337	2.82788	2582.049
0.58932	0.09353	2.83681	2588.392
0.58956	0.09371	2.84335	2596.93
0.59007	0.09394	2.84766	2605.944
0.5907	0.09406	2.85156	2614.84
0.59136	0.09425	2.856	2623.497
0.59201	0.09433	2.86034	2631.747
0.59264	0.09453	2.86495	2639.706
0.59327	0.09467	2.86929	2647.683
0.5939	0.0948	2.87343	2655.546
0.59441	0.09494	2.87653	2661.85
0.59485	0.09502	2.87865	2666.512
0.59522	0.09517	2.88019	2670.356
0.59547	0.09528	2.88237	2674.002
0.59567	0.09546	2.88469	2678.066
0.59584	0.0956	2.88726	2682.755
0.59599	0.09577	2.88971	2687.665
0.59613	0.09595	2.89183	2692.704
0.59627	0.09606	2.89398	2697.902
0.59641	0.09621	2.89587	2703.106
0.59653	0.09627	2.89772	2707.75
0.59663	0.09636	2.89901	2711.296
0.59673	0.09643	2.89984	2714.471
0.59681	0.09652	2.90017	2716.45
0.59686	0.0966	2.90036	2717.618
0.5969	0.09667	2.90106	2718.436
0.59693	0.09675	2.90225	2719.15
0.59696	0.0968	2.90362	2719.873
0.59699	0.09688	2.9049	2720.579
0.59702	0.09693	2.90599	2721.139
0.59704	0.09698	2.90684	2721.529
0.59706	0.09702	2.90774	2721.779
0.59708	0.09705	2.90881	2721.959
0.5971	0.0971	2.90982	2722.125
0.59712	0.09712	2.91071	2722.269
0.59713	0.09718	2.91168	2722.4
0.59714	0.09721	2.91248	2722.518
0.59715	0.09725	2.91324	2722.657
0.59716	0.09729	2.91391	2722.865
0.59717	0.09732	2.91485	2723.167
0.59718	0.09737	2.91599	2723.553
0.59719	0.09739	2.917	2723.97

11:49:58.216	-7	0.00001	0.00005	0.00114	0.468	0.000046
11:49:59.216	-7	0.00001	0.00004	0.00122	0.521	0.000051
11:50:00.216	-7	0.00001	0.00008	0.0011	0.624	0.000061
11:50:01.216	-7	0.00001	0.00005	0.0013	0.712	0.000069
11:50:02.216	-7	0.00001	0.00004	0.00144	0.786	0.000076
11:50:03.216	-7	0.00001	0.00004	0.00127	0.891	0.000086
11:50:04.216	-7	0.00001	0.00003	0.00125	0.988	0.000096
11:50:05.216	-7	0.00001	0.00005	0.00103	1.045	0.000101
11:50:06.216	-7	0.00001	0.00004	0.001	1.091	0.000106
11:50:07.216	-7	0.00001	0.00007	0.00106	1.129	0.000109
11:50:08.216	-7	0.00001	0.00006	0.00112	1.151	0.000112
11:50:09.216	-7	0.00001	0.00005	0.00112	1.158	0.000112
11:50:10.216	-7	0.00002	0.00007	0.00112	1.163	0.000113
11:50:11.216	-7	0.00002	0.00004	0.00111	1.154	0.000112
11:50:12.216	-7	0.00002	0.00006	0.00111	1.156	0.000112
11:50:13.216	-7	0.00002	0.00003	0.00111	1.158	0.000112
11:50:14.216	-7	0.00002	0.00005	0.00111	1.155	0.000112
11:50:15.216	-7	0.00002	0.00005	0.00116	1.152	0.000112
11:50:16.216	-7	0.00002	0.00005	0.00135	1.147	0.000111
11:50:17.216	-7	0.00002	0.00005	0.00135	1.145	0.000111
11:50:18.216	-7	0.00002	0.00004	0.00128	1.159	0.000112
11:50:19.216	-7	0.00002	0.00007	0.00136	1.27	0.000123
11:50:20.216	-7	0.00002	0.00006	0.00149	1.408	0.000136
11:50:21.216	-7	0.00005	0.0002	0.0043	4.069	0.000394
11:50:22.216	-7	0.00013	0.00024	0.01019	9.234	0.000893
11:50:23.216	-7	0.00063	0.00007	0.0055	12.403	0.001198
11:50:24.216	-7	0.0013	0.00017	0.00531	14.552	0.001405
11:50:25.216	-7	0.00189	0.00002	0.00667	14.886	0.001438
11:50:26.216	-7	0.00217	0.00011	0.00739	12.384	0.001197
11:50:27.216	-7	0.00197	0	0.00595	8.776	0.000849
11:50:28.216	-7	0.00144	0	0.00323	5.22	0.000505
11:50:29.216	-7	0.00128	0	0.00382	4.602	0.000445
11:50:30.216	-7	0.00092	0.00006	0.00408	5.111	0.000494
11:50:31.216	-7	0.00096	0.00059	0.00636	8.886	0.000858
11:50:32.216	-7	0.00093	0.00107	0.00688	12.313	0.001188
11:50:33.216	-7	0.001	0.0007	0.00461	13.031	0.001257
11:50:34.216	-7	0.00096	0.00022	0.0039	11.272	0.001088
11:50:35.216	-7	0.0009	0.00023	0.0034	8.946	0.000864
11:50:36.216	-7	0.0008	0.00013	0.00395	7.462	0.000721
11:50:37.216	-7	0.00068	0.00013	0.0035	6.445	0.000623
11:50:38.216	-7	0.0006	0.00011	0.00339	5.613	0.000542
11:50:39.216	-7	0.00057	0.00008	0.00389	5.944	0.000574
11:50:40.216	-7	0.0006	0.00026	0.0035	7.65	0.000738
11:50:41.216	-7	0.00058	0.00062	0.00298	9.631	0.000929
11:50:42.216	-7	0.00051	0.00051	0.00251	9.429	0.000909
11:50:43.216	-7	0.00047	0.00023	0.00205	8.231	0.000794
11:50:44.216	-7	0.00043	0.00017	0.00213	6.758	0.000653

7.6	4.00E-01	0.000	0.500	0.000	0.420	8.200
7.5	5.00E-01	0.100	0.500	0.084	0.419	7.000
4.1	5.00E-01	0.100	0.500	0.083	0.417	12.000
4	5.00E-01	0.100	0.500	0.083	0.415	7.100
2.8	6.00E-01	0.100	0.600	0.083	0.497	5.800
2.8	6.00E-01	0.100	0.600	0.082	0.494	6.300
2.2	6.00E-01	0.100	0.600	0.082	0.492	4.400
2.2	6.00E-01	0.100	0.600	0.082	0.491	8.500
1.7	6.00E-01	0.100	0.600	0.082	0.490	6.900
1.7	6.00E-01	0.100	0.600	0.082	0.489	10.300
1.2	6.00E-01	0.100	0.600	0.081	0.488	9.600
1.1	7.00E-01	0.200	0.600	0.163	0.488	7.900
0	7.00E-01	0.300	0.600	0.244	0.488	10.900
0	7.00E-01	0.300	0.600	0.244	0.488	6.800
0	7.00E-01	0.300	0.600	0.244	0.488	9.400
0	7.00E-01	0.300	0.600	0.244	0.488	5.200
0	7.00E-01	0.300	0.600	0.244	0.488	8.500
0	8.00E-01	0.400	0.600	0.325	0.488	8.300
0	7.00E-01	0.300	0.600	0.250	0.488	7.600
0	7.00E-01	0.300	0.600	0.244	0.488	8.600
0	7.00E-01	0.300	0.600	0.244	0.488	6.900
0	7.00E-01	0.300	0.600	0.244	0.488	10.600
0	7.00E-01	0.300	0.600	0.244	0.488	7.600
0.2	7.00E-01	0.300	0.600	0.242	0.484	10.400
3.7	1.20E+00	0.900	0.600	0.729	0.474	7.300
4.2	4.70E+00	5.400	0.700	4.199	0.548	1.800
12.3	8.20E+00	9.700	0.800	7.599	0.622	3.600
12.7	1.13E+01	13.500	0.800	10.629	0.629	0.400
20.5	1.45E+01	17.500	0.800	13.885	0.633	2.500
20.7	1.79E+01	21.800	0.800	17.285	0.635	-1.000
27.3	2.05E+01	24.900	0.800	19.903	0.639	0.000
27.4	2.03E+01	24.500	0.800	19.622	0.640	0.000
29	1.48E+01	18.000	0.800	14.211	0.633	3.200
29.1	1.09E+01	13.200	0.800	10.240	0.621	22.100
30.6	8.50E+00	10.300	0.800	7.911	0.614	32.600
30.8	8.10E+00	9.700	0.800	7.497	0.618	18.800
33.7	8.30E+00	9.800	0.800	7.640	0.624	6.200
33.8	8.90E+00	10.600	0.800	8.303	0.629	7.600
36.7	9.20E+00	10.900	0.800	8.584	0.631	4.800
36.8	9.30E+00	11.000	0.800	8.652	0.630	5.800
38.1	9.40E+00	11.100	0.800	8.735	0.630	5.800
38.1	9.30E+00	11.100	0.800	8.655	0.624	4.400
38.9	8.50E+00	10.100	0.900	7.774	0.694	12.000
38.9	6.80E+00	7.900	0.900	6.095	0.690	24.000
39.6	6.00E+00	6.700	1.000	5.186	0.769	19.800
39.6	5.70E+00	6.300	1.000	4.906	0.777	9.400
40.5	5.70E+00	6.200	1.000	4.877	0.786	7.400

823	4.833	33.8	285.7	229.287347
745	3.142	30	285.790282	230.08932
786	2.62	39.6	286.4	233.041563
786	2.074	41.3	286.4	235.993806
779	1.86	42.2	286.901635	238.946049
778	1.602	43.1	287.1	241.684716
778	1.24	43.9	287.1	244.304803
777	1.24	44.7	287.1	246.924891
779	1.2	44.6	287.1	249.240393
778	0.708	43.6	287.16969	250.396128
779	0.153	43.5	287.647017	251.551864
780	0	43.5	288.264189	252.707599
781	0	43.5	288.4	253.158647
781	0	43.9	288.843315	253.371025
781	0	43.6	289.1	253.583404
780	0	42.8	289.1	253.7
779	0	42.9	289.648166	253.7
781	0	43.5	290.630459	253.7
780	0	43.1	291.1	253.676402
780	0	42.5	291.135867	253.461876
779	0	43	291.733646	253.247349
902	0.454	46	291.8	253.032823
1018	2.341	49.1	292.492205	263.310169
1590	5.407	77.7	292.5	275.482743
2005	9.138	74.6	292.973492	287.655316
2202	13.327	67.8	294.080909	312.334279
2344	17.653	72.3	295.308115	345.281587
2353	21.593	71.2	295.546259	378.228894
2338	25.492	65.3	293.739892	405.786549
2009	27.637	63.6	292.404027	402.317285
1706	28.431	53.6	291.20437	398.848022
1610	29.03	70.8	289.297433	395.378758
1626	29.625	92.6	288.396895	404.195028
1679	31.011	96.5	287.361863	414.978123
1761	32.726	83.3	287.1	425.761218
1848	34.315	74.8	286.660734	432.847217
1926	35.713	71.6	286.4	437.889478
1913	36.745	69.4	286.4	442.93174
1644	37.306	74.2	286.56075	446.61591
1542	37.795	74.5	287.1	445.282153
1538	37.88	84	287.1	443.948396
1550	38.457	85.4	287.1	443.166542
1559	39.043	97.4	287.197815	450.456262
1581	39.12	80	287.70252	457.745981
1604	39.585	76.5	288.332583	465.035701
1619	40.134	73	290.279058	457.945486
1626	40.37	64.2	291.576318	448.396875

0.5972	0.09744	2.91814	2724.438
0.59721	0.09748	2.91936	2724.959
0.59722	0.09756	2.92046	2725.583
0.59723	0.09761	2.92176	2726.295
0.59724	0.09765	2.9232	2727.081
0.59725	0.09769	2.92447	2727.972
0.59726	0.09772	2.92572	2728.96
0.59727	0.09777	2.92675	2730.005
0.59728	0.09781	2.92775	2731.096
0.59729	0.09788	2.92881	2732.225
0.5973	0.09794	2.92993	2733.376
0.59731	0.09799	2.93105	2734.534
0.59733	0.09806	2.93217	2735.697
0.59735	0.0981	2.93328	2736.851
0.59737	0.09816	2.93439	2738.007
0.59739	0.09819	2.9355	2739.165
0.59741	0.09824	2.93661	2740.32
0.59743	0.09829	2.93777	2741.472
0.59745	0.09834	2.93912	2742.619
0.59747	0.09839	2.94047	2743.764
0.59749	0.09843	2.94175	2744.923
0.59751	0.0985	2.94311	2746.193
0.59753	0.09856	2.9446	2747.601
0.59758	0.09876	2.9489	2751.67
0.59771	0.099	2.95909	2760.904
0.59834	0.09907	2.96459	2773.307
0.59964	0.09924	2.9699	2787.859
0.60153	0.09926	2.97657	2802.745
0.6037	0.09937	2.98396	2815.129
0.60567	0.09937	2.98991	2823.905
0.60711	0.09937	2.99314	2829.125
0.60839	0.09937	2.99696	2833.727
0.60931	0.09943	3.00104	2838.838
0.61027	0.10002	3.0074	2847.724
0.6112	0.10109	3.01428	2860.037
0.6122	0.10179	3.01889	2873.068
0.61316	0.10201	3.02279	2884.34
0.61406	0.10224	3.02619	2893.286
0.61486	0.10237	3.03014	2900.748
0.61554	0.1025	3.03364	2907.193
0.61614	0.10261	3.03703	2912.806
0.61671	0.10269	3.04092	2918.75
0.61731	0.10295	3.04442	2926.4
0.61789	0.10357	3.0474	2936.031
0.6184	0.10408	3.04991	2945.46
0.61887	0.10431	3.05196	2953.691
0.6193	0.10448	3.05409	2960.449

11:50:45.216	-7	0.00039	0.00012	0.003	5.864	0.000567
11:50:46.216	-7	0.00035	0.00008	0.00379	6.415	0.00062
11:50:47.216	-7	0.00041	0.00057	0.00479	8.504	0.000821
11:50:48.216	-7	0.00038	0.00049	0.00338	8.003	0.000772
11:50:49.216	-7	0.00038	0.0003	0.00174	6.667	0.000644
11:50:50.216	-7	0.00028	0.00011	0.00097	3.414	0.00033
11:50:51.216	-7	0.00022	0.0001	0.00201	3.162	0.000306
11:50:52.216	-7	0.00017	0.00011	0.00391	4.015	0.000389
11:50:53.216	-7	0.00016	0.00005	0.00306	4.504	0.000435
11:50:54.216	-7	0.00016	0.00011	0.00226	4.641	0.000448
11:50:55.216	-7	0.00015	0.00004	0.00174	4.453	0.00043
11:50:56.216	-7	0.00014	0.00009	0.00151	4.146	0.0004
11:50:57.216	-7	0.00013	0.00005	0.00133	3.571	0.000345
11:50:58.216	-7	0.0001	0.00007	0.00081	2.535	0.000245
11:50:59.216	-7	0.00008	0.00009	0.00027	1.526	0.000148
11:51:00.216	-7	0.00008	0.00006	0.00033	0.787	0.000076
11:51:01.216	-7	0.00008	0.00007	0.0012	0.569	0.000055
11:51:02.216	-7	0.00007	0.00003	0.00302	1.049	0.000102
11:51:03.216	-7	0.00007	0.00009	0.00449	2.672	0.000259
11:51:04.216	-7	0.00007	0.00007	0.00304	3.817	0.000369
11:51:05.216	-7	0.00008	0.0001	0.00304	4.644	0.000449
11:51:06.216	-7	0.00009	0.0001	0.00266	5	0.000483
11:51:07.216	-7	0.00009	0.00009	0.00238	5.257	0.000508
11:51:08.216	-7	0.00011	0.00011	0.0024	5.763	0.000557
11:51:09.216	-7	0.00012	0.00005	0.00244	5.981	0.000578
11:51:10.216	-7	0.00017	0.00013	0.00246	6.053	0.000584
11:51:11.216	-7	0.00021	0.00004	0.00247	6.076	0.000587
11:51:12.216	-7	0.00023	0.00008	0.00264	5.887	0.000568
11:51:13.216	-7	0.00024	0.00007	0.00271	5.724	0.000553
11:51:14.216	-7	0.00021	0.00007	0.00239	5.004	0.000483
11:51:15.216	-7	0.00017	0.0001	0.00174	3.467	0.000335
11:51:16.216	-7	0.00017	0.00007	0.00113	3.38	0.000327
11:51:17.216	-7	0.00017	0.00014	0.0034	4.59	0.000444
11:51:18.216	-7	0.00021	0.00028	0.00495	7.538	0.000728
11:51:19.216	-7	0.00023	0.00036	0.00386	8.903	0.000859
11:51:20.216	-7	0.00033	0.00019	0.00302	9.337	0.0009
11:51:21.216	-7	0.00042	0.00007	0.00355	9.137	0.000882
11:51:22.216	-7	0.00045	0.00012	0.00366	7.494	0.000724
11:51:23.216	-7	0.00041	0.00004	0.00289	6.062	0.000586
11:51:24.216	-7	0.0004	0.00011	0.00321	5.562	0.000538
11:51:25.216	-7	0.00035	0.00002	0.00278	4.861	0.00047
11:51:26.216	-7	0.00028	0.00006	0.00198	3.875	0.000374
11:51:27.216	-7	0.00025	0.00005	0.00151	2.59	0.000251
11:51:28.216	-7	0.00019	0.00006	0.00076	1.871	0.000181
11:51:29.216	-7	0.00013	0.00007	0.00239	2.059	0.000199
11:51:30.216	-7	0.0001	0.00003	0.00201	2.376	0.00023
11:51:31.216	-7	0.0001	0.00007	0.00173	2.91	0.000281

40.5	5.50E+00	5.900	1.000	4.678	0.791	5.500
40.7	5.20E+00	5.700	1.000	4.460	0.782	4.100
40.7	5.20E+00	5.700	1.000	4.401	0.772	23.500
41.7	5.20E+00	5.700	1.000	4.396	0.771	21.700
41.7	5.30E+00	5.700	1.100	4.462	0.855	13.800
41.4	5.20E+00	5.300	1.100	4.289	0.887	6.600
41.3	4.10E+00	4.000	1.100	3.214	0.890	6.100
39.1	3.20E+00	2.900	1.100	2.335	0.877	6.700
39	3.20E+00	2.900	1.100	2.286	0.867	3.300
38.1	3.20E+00	2.900	1.200	2.275	0.941	7.000
38.1	3.20E+00	2.900	1.200	2.271	0.940	2.900
38.1	3.10E+00	2.800	1.200	2.194	0.940	6.300
38.1	3.00E+00	2.600	1.200	2.060	0.948	4.300
38.1	2.70E+00	2.200	1.200	1.781	0.962	6.200
38	2.60E+00	1.900	1.200	1.569	0.985	9.500
36.5	2.40E+00	1.600	1.200	1.356	1.006	5.900
36.5	2.10E+00	1.300	1.200	1.106	1.014	7.000
36.5	1.70E+00	0.800	1.200	0.689	1.004	2.300
36.5	1.50E+00	0.600	1.200	0.493	0.972	6.600
37.2	1.40E+00	0.600	1.200	0.477	0.954	4.600
37.2	1.50E+00	0.700	1.200	0.552	0.945	6.500
37.9	1.60E+00	0.800	1.200	0.628	0.942	6.300
37.9	1.60E+00	0.800	1.200	0.627	0.940	5.500
37.9	1.70E+00	1.000	1.200	0.776	0.939	5.800
37.9	1.90E+00	1.300	1.200	0.998	0.937	2.800
37.7	2.80E+00	2.300	1.200	1.830	0.937	6.600
37.7	3.30E+00	3.000	1.200	2.316	0.937	2.100
38.7	3.80E+00	3.700	1.200	2.866	0.937	4.200
38.7	4.00E+00	3.900	1.200	3.040	0.938	3.700
39.2	4.00E+00	3.900	1.200	3.051	0.939	4.300
39.2	4.00E+00	3.900	1.200	3.090	0.951	7.600
38.6	3.60E+00	3.300	1.200	2.665	0.959	5.100
38.6	3.00E+00	2.700	1.100	2.151	0.878	8.100
38.1	2.90E+00	2.600	1.100	2.018	0.854	12.300
38.2	2.90E+00	2.700	1.100	2.068	0.845	14.900
39.1	3.80E+00	3.800	1.100	2.960	0.848	7.300
39.2	4.80E+00	5.000	1.100	3.910	0.853	2.400
40.9	5.50E+00	6.000	1.100	4.681	0.863	4.900
41	5.80E+00	6.200	1.100	4.898	0.869	1.800
42.5	5.90E+00	6.400	1.100	5.059	0.871	5.600
42.5	6.00E+00	6.500	1.100	5.139	0.870	1.200
42.5	6.10E+00	6.600	1.100	5.216	0.869	4.200
42.4	6.10E+00	6.400	1.100	5.176	0.889	4.300
41.4	5.10E+00	5.100	1.100	4.152	0.901	5.100
41.4	3.70E+00	3.500	1.100	2.816	0.892	6.500
40.6	3.10E+00	2.800	1.100	2.243	0.879	3.000
40.5	2.90E+00	2.500	1.100	2.001	0.872	6.900

1623	40.37	75.9	292.531646	438.848264
1635	40.37	95.2	294.552249	447.618519
1656	40.975	86.9	296.368116	456.877778
1665	40.99	76.5	298.152047	466.024256
1621	40.521	34.7	299.334941	447.08822
1583	39.532	44.3	302.335289	428.152185
1554	38.684	65.2	303.705724	409.216149
1528	37.795	69.8	304.370064	407.941752
1509	37.26	71	305.495	409.882358
1503	37.26	72.1	307.126553	411.822964
1517	37.26	66.6	308.761364	408.771647
1546	37.31	53.6	309.90906	399.494449
1518	37.57	21	310.807921	390.21725
1497	36.886	0.6	312.948571	371.964227
1470	36.314	0	313.770701	350.892251
1456	36.02	25.7	314	329.820276
1482	36.02	56.3	314.343636	322.029771
1533	36.087	66	314.945614	327.734955
1535	36.656	64.9	315.518364	333.440139
1556	37.214	66.7	316.217379	339.378368
1555	37.26	68.9	317.582257	350.503214
1560	37.26	71.1	319.853853	361.628059
1557	37.703	70.5	321.196712	372.752905
1534	37.88	75.4	322.56482	382.161051
1530	37.88	78.5	324.272241	391.158635
1541	38.15	78.8	325.847826	400.15622
1550	38.5	78.5	326.845837	406.652196
1557	38.5	77.8	327.778017	410.596026
1560	38.5	71	329.274522	414.539857
1555	38.486	44.7	331.019528	416.3608
1531	37.995	48.8	331.6	405.9608
1519	37.88	72.2	331.6	395.5608
1523	37.88	96.3	331.6	385.1608
1546	38.263	84.4	332.197436	400.625694
1577	39.086	78.5	332.769649	419.028472
1613	40.221	77.5	333	437.43125
1646	41.151	72.1	333	445.996011
1669	41.61	65.8	333	442.140831
1682	41.61	64	333	438.285652
1690	41.774	68.9	333	429.404348
1690	42.202	64.1	333	414.599005
1582	41.654	10.8	332.937568	399.793663
1553	41.096	68.7	332.306937	384.988321
1374	40.56	63.9	331.676306	381.374898
1302	40.37	48.9	330.900795	378.475853
1308	39.81	67.7	330.835202	375.60434
1323	39.74	65.9	329.456526	376.146897

0.61969	0.1046	3.05709	2966.313
0.62004	0.10468	3.06088	2972.728
0.62045	0.10525	3.06567	2981.232
0.62083	0.10574	3.06905	2989.235
0.62121	0.10604	3.07079	2995.902
0.62149	0.10615	3.07176	2999.316
0.62171	0.10625	3.07377	3002.478
0.62188	0.10636	3.07768	3006.493
0.62204	0.10641	3.08074	3010.997
0.6222	0.10652	3.083	3015.638
0.62235	0.10656	3.08474	3020.091
0.62249	0.10665	3.08625	3024.237
0.62262	0.1067	3.08758	3027.808
0.62272	0.10677	3.08839	3030.343
0.6228	0.10686	3.08866	3031.869
0.62288	0.10692	3.08899	3032.656
0.62296	0.10699	3.09019	3033.225
0.62303	0.10702	3.09321	3034.274
0.6231	0.10711	3.0977	3036.946
0.62317	0.10718	3.10074	3040.763
0.62325	0.10728	3.10378	3045.407
0.62334	0.10738	3.10644	3050.407
0.62343	0.10747	3.10882	3055.664
0.62354	0.10758	3.11122	3061.427
0.62366	0.10763	3.11366	3067.408
0.62383	0.10776	3.11612	3073.461
0.62404	0.1078	3.11859	3079.537
0.62427	0.10788	3.12123	3085.424
0.62451	0.10795	3.12394	3091.148
0.62472	0.10802	3.12633	3096.152
0.62489	0.10812	3.12807	3099.619
0.62506	0.10819	3.1292	3102.999
0.62523	0.10833	3.1326	3107.589
0.62544	0.10861	3.13755	3115.127
0.62567	0.10897	3.14141	3124.03
0.626	0.10916	3.14443	3133.367
0.62642	0.10923	3.14798	3142.504
0.62687	0.10935	3.15164	3149.998
0.62728	0.10939	3.15453	3156.06
0.62768	0.1095	3.15774	3161.622
0.62803	0.10952	3.16052	3166.483
0.62831	0.10958	3.1625	3170.358
0.62856	0.10963	3.16401	3172.948
0.62875	0.10969	3.16477	3174.819
0.62888	0.10976	3.16716	3176.878
0.62898	0.10979	3.16917	3179.254
0.62908	0.10986	3.1709	3182.164

11:51:32.216	-7	0.00011	0.00002	0.00162	3.765	0.000364
11:51:33.216	-7	0.00009	0.00005	0.00158	4.082	0.000394
11:51:34.216	-7	0.00009	0.00003	0.00195	4.076	0.000394
11:51:35.216	-7	0.00009	0.00003	0.00208	4.294	0.000415
11:51:36.216	-7	0.00009	0.00008	0.00223	4.666	0.000451
11:51:37.216	-7	0.0001	0.00004	0.00268	5.181	0.0005
11:51:38.216	-7	0.0001	0.00007	0.00289	5.408	0.000522
11:51:39.216	-7	0.00012	0.00001	0.00271	5.391	0.000521
11:51:40.216	-7	0.00013	0.00005	0.00257	4.972	0.00048
11:51:41.216	-7	0.00015	0.00002	0.00185	4.744	0.000458
11:51:42.216	-7	0.00015	0.00004	0.00229	4.744	0.000458
11:51:43.216	-7	0.00016	0.00009	0.00321	5.649	0.000545
11:51:44.216	-7	0.00018	0.00008	0.00348	6.763	0.000652
11:51:45.216	-7	0.0002	0.00011	0.00272	6.631	0.00064
11:51:46.216	-7	0.00026	0.00001	0.00311	6.83	0.000659
11:51:47.216	-7	0.00029	0.00006	0.00226	6.582	0.000635
11:51:48.216	-7	0.00029	0.00004	0.0025	6.142	0.000593
11:51:49.216	-7	0.00029	0.00003	0.00251	5.296	0.000511
11:51:50.216	-7	0.0002	0.00004	0.00125	2.875	0.000278
11:51:51.216	-7	0.00018	0.00002	0.00034	1.575	0.000152
11:51:52.216	-7	0.00017	0.00007	0.00032	1.435	0.000139
11:51:53.216	-7	0.00017	0.00005	0.00447	2.831	0.000274
11:51:54.216	-7	0.00017	0.00011	0.00545	5.395	0.000522
11:51:55.216	-7	0.00018	0.00008	0.00434	6.936	0.00067
11:51:56.216	-7	0.00019	0.00009	0.00311	7.023	0.000678
11:51:57.216	-7	0.00022	0.00013	0.00273	6.929	0.000669
11:51:58.216	-7	0.00023	0.00004	0.00272	6.786	0.000655
11:51:59.216	-7	0.00025	0.00011	0.00268	6.576	0.000635
11:52:00.216	-7	0.00024	0.00004	0.00287	6.308	0.000609
11:52:01.216	-7	0.00024	0.00008	0.00238	5.559	0.000537
11:52:02.216	-7	0.00025	0.00003	0.00236	4.745	0.000459
11:52:03.216	-7	0.00019	0.00004	0.0023	3.547	0.000343
11:52:04.216	-7	0.00018	0.00007	0.00138	2.708	0.000262
11:52:05.216	-7	0.00018	0.00004	0.00102	2.278	0.00022
11:52:06.216	-7	0.00022	0.00014	0.00435	3.902	0.000378
11:52:07.216	-7	0.00024	0.00009	0.00586	6.896	0.000666
11:52:08.216	-7	0.0003	0.00014	0.00489	8.176	0.000789
11:52:09.216	-7	0.00049	0.00005	0.00419	9.638	0.00093
11:52:10.216	-7	0.00068	0.0001	0.00352	10.021	0.000966
11:52:11.216	-7	0.00089	0.00009	0.00355	9.965	0.000961
11:52:12.216	-7	0.00095	0.00007	0.00358	9.932	0.000958
11:52:13.216	-7	0.00098	0.00016	0.00369	10.25	0.000989
11:52:14.216	-7	0.001	0.00023	0.00384	10.639	0.001026
11:52:15.216	-7	0.00098	0.00028	0.00365	10.317	0.000996
11:52:16.216	-7	0.0008	0.00007	0.00193	7.041	0.00068
11:52:17.216	-7	0.00062	0.00007	0.00245	4.887	0.000473
11:52:18.216	-7	0.00056	0.00006	0.00283	4.509	0.000436

39.5	2.60E+00	2.200	1.100	1.738	0.867	1.400
39.5	2.20E+00	1.600	1.100	1.290	0.862	3.800
39.7	2.00E+00	1.400	1.100	1.104	0.861	2.600
39.7	2.00E+00	1.400	1.100	1.097	0.862	2.300
39.6	1.90E+00	1.400	1.000	1.096	0.783	5.500
39.6	1.90E+00	1.400	1.000	1.092	0.780	2.300
39.6	1.90E+00	1.500	1.000	1.160	0.778	4.000
39.6	2.20E+00	1.800	1.000	1.384	0.778	0.600
40	2.60E+00	2.300	1.000	1.785	0.781	3.500
40	2.90E+00	2.700	1.000	2.105	0.784	1.600
40	2.90E+00	2.700	1.000	2.113	0.783	2.800
40	2.90E+00	2.700	1.000	2.092	0.775	5.200
40.2	3.00E+00	2.900	1.000	2.219	0.768	4.200
40.2	3.40E+00	3.400	1.000	2.598	0.770	5.900
41	4.10E+00	4.400	1.000	3.356	0.771	0.600
41	4.60E+00	5.000	1.000	3.856	0.774	3.000
41.7	4.80E+00	5.200	1.000	4.025	0.777	2.200
41.7	5.10E+00	5.600	1.000	4.358	0.782	2.000
41.7	5.30E+00	5.700	1.000	4.531	0.795	3.200
41.6	5.50E+00	5.700	1.000	4.661	0.818	1.600
39.2	4.50E+00	4.400	1.000	3.635	0.827	6.500
39.1	3.40E+00	3.100	1.000	2.553	0.812	3.400
37.6	2.60E+00	2.300	1.000	1.833	0.789	5.900
37.6	2.60E+00	2.300	1.000	1.786	0.776	3.800
36.8	2.80E+00	2.600	1.100	1.992	0.851	4.600
36.9	3.20E+00	3.000	1.100	2.320	0.855	6.000
38.6	3.30E+00	3.200	1.100	2.486	0.857	2.100
38.6	3.60E+00	3.400	1.200	2.646	0.930	5.200
39.1	3.70E+00	3.500	1.200	2.727	0.937	1.900
39.1	4.00E+00	3.900	1.200	3.045	0.940	4.600
39	4.30E+00	4.300	1.200	3.390	0.948	2.000
39	4.40E+00	4.300	1.200	3.406	0.950	2.800
38.2	4.40E+00	4.300	1.200	3.454	0.964	5.400
38.1	4.50E+00	4.300	1.200	3.493	0.975	3.600
35.6	3.80E+00	3.500	1.200	2.843	0.963	8.300
35.6	3.40E+00	3.200	1.200	2.500	0.934	4.200
35.3	4.00E+00	3.800	1.400	2.898	1.073	6.200
35.3	5.50E+00	5.700	1.500	4.355	1.154	1.800
35.9	7.40E+00	8.200	1.500	6.266	1.153	3.600
36	9.60E+00	11.000	1.500	8.483	1.155	3.100
37.5	1.02E+01	11.800	1.500	9.085	1.156	2.400
37.5	1.02E+01	11.800	1.500	9.091	1.156	5.700
38	1.00E+01	11.500	1.500	8.885	1.156	7.600
38	9.60E+00	10.900	1.500	8.463	1.163	9.200
38.7	9.50E+00	10.600	1.500	8.360	1.183	2.600
38.7	9.40E+00	10.400	1.400	8.294	1.116	3.300
38.9	9.40E+00	10.400	1.400	8.277	1.114	3.300

1316	39.74	72.2	329.4	376.689454
1298	39.17	67.1	328.7	377.312469
1301	39.12	69.1	328.7	379.218719
1308	39.12	71.1	328.7	381.124969
1274	39.12	78.8	328.7	383.031219
1263	39.12	78.3	328.7	390.702893
1270	39.504	78.7	329.256439	399.32093
1331	39.74	78.3	329.4	407.938966
1367	39.74	75	329.4	411.721659
1352	39.74	75.3	330.049361	412.412903
1332	39.74	85	330.9	413.104147
1289	39.751	85.7	331.015702	414.99651
1299	40.253	80.4	331.6	424.391507
1312	40.808	80.8	331.6	433.786504
1322	40.99	78.7	332.136496	443.181501
1325	41.274	75.8	332.773885	441.737966
1324	41.427	71.3	333	435.649347
1311	40.793	41.5	333	429.560727
1272	39.59	12.1	333	416.961661
1283	38.284	37	333	399.309194
1366	37.721	66.5	332.718983	381.656727
1437	37.26	75.8	332.3	373.657639
1494	37.26	85.1	332.434744	388.183102
1509	37.26	80.1	332.99385	402.708565
1526	37.72	79.3	333	417.234028
1542	38.258	77.9	333	422.912031
1554	38.5	77.3	333.574976	426.954722
1563	38.5	77.5	333.8	430.997413
1562	38.5	72.6	333.8	429.419824
1551	38.287	64.2	334.203667	425.988739
1530	37.698	52.6	334.5	422.557654
1501	37.041	37.8	334.5	414.580743
1454	36.055	24	334.289495	397.85777
1502	34.78	61.3	333.8	381.134797
1445	34.78	80.5	333.8	378.09776
1411	34.952	77.8	333.8	397.201845
1420	35.4	84.7	333.8	416.305929
1441	35.634	89.2	334.045946	433.903028
1473	36.662	83.2	334.680313	448.651666
1491	37.276	83.4	335.2	463.400303
1523	37.838	82.4	335.326913	477.716869
1543	38.332	83.3	336.677048	482.645713
1564	38.5	83.1	336.7	487.574557
1579	39.12	75.9	336.880101	489.585883
1567	39.066	50.8	337.4	476.615838
1544	38.503	62.2	337.4	463.645793
1517	37.369	65.4	337.4	451.178391

0.62919	0.10988	3.17252	3185.929
0.62928	0.10993	3.1741	3190.011
0.62937	0.10996	3.17605	3194.087
0.62946	0.10999	3.17813	3198.381
0.62955	0.11007	3.18036	3203.047
0.62965	0.11011	3.18304	3208.228
0.62975	0.11018	3.18593	3213.636
0.62987	0.11019	3.18864	3219.027
0.63	0.11024	3.19121	3223.999
0.63015	0.11026	3.19306	3228.743
0.6303	0.1103	3.19535	3233.487
0.63046	0.11039	3.19856	3239.136
0.63064	0.11047	3.20204	3245.899
0.63084	0.11058	3.20476	3252.53
0.6311	0.11059	3.20787	3259.36
0.63139	0.11065	3.21013	3265.942
0.63168	0.11069	3.21263	3272.084
0.63197	0.11072	3.21514	3277.38
0.63217	0.11076	3.21639	3280.255
0.63235	0.11078	3.21673	3281.83
0.63252	0.11085	3.21705	3283.265
0.63269	0.1109	3.22152	3286.096
0.63286	0.11101	3.22697	3291.491
0.63304	0.11109	3.23131	3298.427
0.63323	0.11118	3.23442	3305.45
0.63345	0.11131	3.23715	3312.379
0.63368	0.11135	3.23987	3319.165
0.63393	0.11146	3.24255	3325.741
0.63417	0.1115	3.24542	3332.049
0.63441	0.11158	3.2478	3337.608
0.63466	0.11161	3.25016	3342.353
0.63485	0.11165	3.25246	3345.9
0.63503	0.11172	3.25384	3348.608
0.63521	0.11176	3.25486	3350.886
0.63543	0.1119	3.25921	3354.788
0.63567	0.11199	3.26507	3361.684
0.63597	0.11213	3.26996	3369.86
0.63646	0.11218	3.27415	3379.498
0.63714	0.11228	3.27767	3389.519
0.63803	0.11237	3.28122	3399.484
0.63898	0.11244	3.2848	3409.416
0.63996	0.1126	3.28849	3419.666
0.64096	0.11283	3.29233	3430.305
0.64194	0.11311	3.29598	3440.622
0.64274	0.11318	3.29791	3447.663
0.64336	0.11325	3.30036	3452.55
0.64392	0.11331	3.30319	3457.059

11:52:19.216	-7	0.00054	0.00005	0.00386	5.109	0.000494
11:52:20.216	-7	0.00051	0.00017	0.00438	6.722	0.000649
11:52:21.216	-7	0.00041	0.00015	0.00287	6.266	0.000605
11:52:22.216	-7	0.00035	0.00014	0.00097	5.287	0.00051
11:52:23.216	-7	0.00029	0.00005	0.0019	4.562	0.000441
11:52:24.216	-7	0.00021	0.00005	0.00219	4.182	0.000404
11:52:25.216	-7	0.00017	0.00005	0.00236	4.043	0.000391
11:52:26.216	-7	0.00015	0.00001	0.00229	3.979	0.000385
11:52:27.216	-7	0.00013	0.00006	0.00206	4.069	0.000393
11:52:28.216	-7	0.00014	0.00002	0.0019	4.439	0.000429
11:52:29.216	-7	0.00015	0.00011	0.00213	5.511	0.000532
11:52:30.216	-7	0.00017	0.0001	0.00242	6.778	0.000654
11:52:31.216	-7	0.00017	0.00011	0.00225	6.69	0.000645
11:52:32.216	-7	0.00017	0.00008	0.00228	5.913	0.000571
11:52:33.216	-7	0.00014	0	0.00269	5.265	0.000509
11:52:34.216	-7	0.00013	0.00001	0.00281	4.927	0.000476
11:52:35.216	-7	0.00012	0	0.00243	4.699	0.000454
11:52:36.216	-7	0.00012	0.00005	0.00236	4.691	0.000453
11:52:37.216	-7	0.00012	0.00001	0.00214	4.613	0.000446
11:52:38.216	-7	0.00011	0.00007	0.00199	4.46	0.000431
11:52:39.216	-7	0.00011	0.00006	0.00205	4.383	0.000423
11:52:40.216	-7	0.00011	0.00007	0.00182	4.508	0.000435
11:52:41.216	-7	0.0001	0.00012	0.0016	4.655	0.000449
11:52:42.216	-7	0.0001	0.00008	0.00141	4.802	0.000463
11:52:43.216	-7	0.0001	0.00013	0.00148	4.882	0.000471
11:52:44.216	-7	0.00009	0.00008	0.00176	4.925	0.000475
11:52:45.216	-7	0.00009	0.00011	0.00227	5.556	0.000536
11:52:46.216	-7	0.0001	0.00011	0.00318	6.971	0.000673
11:52:47.216	-7	0.00012	0.00011	0.00215	7.728	0.000745
11:52:48.216	-7	0.00018	0.00014	0.00201	8.052	0.000776
11:52:49.216	-7	0.00024	0.00009	0.00231	8.129	0.000784
11:52:50.216	-7	0.0003	0.00014	0.00271	8.106	0.000782
11:52:51.216	-7	0.00038	0.00007	0.00305	7.941	0.000766
11:52:52.216	-7	0.00039	0.00013	0.00312	6.712	0.000648
11:52:53.216	-7	0.00039	0.00008	0.00224	5.399	0.000522
11:52:54.216	-7	0.00038	0.00007	0.00245	4.762	0.00046
11:52:55.216	-7	0.00034	0.00012	0.00255	4.484	0.000433
11:52:56.216	-7	0.00039	0.00018	0.01324	6.211	0.000601
11:52:57.216	-7	0.00046	0.00103	0.0379	8.505	0.000826
11:52:58.216	-7	0.00036	0.00044	0.02093	6.487	0.000629
11:52:59.216	-7	0.00029	0.00021	0.0067	4.231	0.00041
11:53:00.216	-7	0.00021	0.00011	0.00371	2.919	0.000283
11:53:01.216	-7	0.00018	0.00012	0.00343	3.151	0.000305
11:53:02.216	-7	0.00013	0.0001	0.00298	3.258	0.000315
11:53:03.216	-7	0.0001	0.00006	0.00252	2.817	0.000272
11:53:04.216	-7	0.00007	0.00008	0.0015	1.889	0.000183
11:53:05.216	-7	0.00006	0.00006	0.0007	1.427	0.000138

38.8	9.10E+00	10.200	1.400	8.045	1.102	2.600
37.7	8.10E+00	9.000	1.400	6.978	1.080	9.100
37.7	7.10E+00	7.700	1.500	5.908	1.151	8.300
37.5	6.20E+00	6.500	1.500	5.044	1.172	8.400
37.4	5.40E+00	5.300	1.500	4.210	1.182	3.000
36.1	4.20E+00	4.000	1.300	3.196	1.033	3.400
36	3.40E+00	3.000	1.300	2.394	1.028	3.300
35	3.10E+00	2.600	1.300	2.066	1.025	1.000
35	2.80E+00	2.400	1.200	1.895	0.950	4.200
34.9	2.80E+00	2.400	1.200	1.879	0.940	1.300
34.9	2.70E+00	2.300	1.200	1.785	0.931	6.800
35	2.70E+00	2.300	1.200	1.771	0.924	5.100
35	2.70E+00	2.300	1.200	1.774	0.926	5.700
36	2.70E+00	2.300	1.200	1.793	0.936	4.100
36	2.40E+00	2.300	0.700	1.805	0.575	0.200
36.1	2.40E+00	2.300	0.700	1.807	0.550	0.400
36.1	2.40E+00	2.300	0.700	1.807	0.550	0.100
36.1	2.40E+00	2.300	0.700	1.805	0.550	3.300
36.1	2.40E+00	2.300	0.700	1.803	0.549	0.500
35.9	2.30E+00	2.300	0.700	1.801	0.548	4.900
35.9	2.30E+00	2.300	0.700	1.797	0.547	4.200
36	2.30E+00	2.300	0.700	1.792	0.546	4.800
36	2.20E+00	2.200	0.600	1.709	0.472	8.300
36.6	2.10E+00	2.100	0.600	1.635	0.465	5.200
36.6	2.00E+00	2.000	0.600	1.560	0.466	9.200
36.1	1.70E+00	1.600	0.600	1.252	0.467	5.200
36.1	1.60E+00	1.500	0.600	1.164	0.466	6.700
35.1	1.60E+00	1.500	0.600	1.156	0.462	5.600
35.1	1.80E+00	1.700	0.600	1.299	0.461	5.100
35.2	2.50E+00	2.600	0.600	2.031	0.461	6.600
35.2	3.20E+00	3.600	0.600	2.750	0.463	4.000
35.4	3.90E+00	4.500	0.600	3.445	0.464	6.100
35.4	5.00E+00	5.800	0.600	4.517	0.464	3.200
35.9	5.50E+00	6.500	0.600	5.045	0.468	6.200
35.9	6.20E+00	7.300	0.600	5.737	0.473	4.300
35.7	6.40E+00	7.500	0.600	5.938	0.476	4.000
35.7	6.40E+00	7.500	0.600	5.920	0.474	7.300
35	6.20E+00	7.400	0.600	5.758	0.466	9.500
35	5.90E+00	7.100	0.600	5.462	0.461	44.600
35	5.60E+00	6.600	0.600	5.138	0.466	22.200
35	5.50E+00	6.300	0.600	4.998	0.476	13.000
35.1	4.90E+00	5.600	0.400	4.534	0.328	8.000
35	4.10E+00	4.800	0.300	3.860	0.240	8.900
33.8	3.30E+00	3.800	0.300	3.024	0.237	8.700
33.7	3.10E+00	3.500	0.400	2.772	0.316	6.100
32.3	2.70E+00	3.000	0.400	2.400	0.318	10.600
32.2	2.30E+00	2.400	0.400	1.961	0.324	7.600

1508	37.26	88.5	337.4	458.314036
1492	37.26	83.9	336.7	465.44968
1475	36.686	58.8	336.7	471.478892
1552	36.093	59.9	336.7	458.125046
1490	35.527	53.9	336.7	444.7712
1461	34.963	56.9	336.7	431.417354
1442	34.448	61.1	336.7	426.62426
1435	34.16	63.5	336.7	423.918115
1437	34.16	68.3	336.7	421.211971
1414	34.473	82.2	336.7	424.892944
1411	35.058	85.5	336.7	431.820462
1430	35.4	77.3	337.118892	438.747979
1437	35.4	70.9	337.4	440.199827
1440	35.54	68.4	337.793402	437.080243
1444	36.02	70.1	338.1	433.960659
1444	35.757	69.8	338.608108	431.596486
1442	35.4	69.4	338.9	429.621464
1441	35.4	70.1	339.119557	427.646442
1439	35.452	69.9	339.6	426.1
1441	35.986	70.6	339.705822	426.1
1451	36.02	72.2	340.36098	426.1
1454	36.02	74.3	340.996189	426.1
1456	36.02	71.4	342.357923	425.87801
1449	35.691	69.5	343.00176	425.645317
1433	35.4	69.4	343.674128	425.412624
1413	35.188	73.2	344.457404	427.763826
1399	34.78	80.3	344.9	432.538682
1402	34.78	84.2	345.097812	437.313539
1408	34.78	79.8	345.758127	442.755012
1416	34.78	78.4	346.594962	450.750239
1418	35.302	81.3	348.473698	458.745465
1428	35.4	79.6	349.858127	466.740692
1435	35.4	78.9	350.6279	463.58285
1431	35.4	67.9	351.271793	458.533552
1418	35.128	62.8	351.966909	453.484255
1404	34.571	70.3	352.65	451.449558
1392	34.16	84.9	353.690669	452.334513
1391	34.323	92.9	354.6	453.219469
1400	34.78	75.4	354.6	450.054096
1424	34.623	57.1	354.979683	442.076189
1462	34.057	41.6	355.615287	434.098282
1435	33.491	59	355.947909	426.147845
1381	32.999	62.4	355.4	418.308678
1327	32.445	47.2	355.4	410.469511
1266	31.476	11.9	355.4	402.630344
1199	30.073	0	355.4	387.384386
1199	28.264	0	354.846531	369.549549

0.64446	0.11336	3.30705	3462.168
0.64497	0.11353	3.31143	3468.89
0.64538	0.11368	3.3143	3475.156
0.64573	0.11382	3.31527	3480.443
0.64602	0.11387	3.31717	3485.005
0.64623	0.11392	3.31936	3489.187
0.6464	0.11397	3.32172	3493.23
0.64655	0.11398	3.32401	3497.209
0.64668	0.11404	3.32607	3501.278
0.64682	0.11406	3.32797	3505.717
0.64697	0.11417	3.3301	3511.228
0.64714	0.11427	3.33252	3518.006
0.64731	0.11438	3.33477	3524.696
0.64748	0.11446	3.33705	3530.609
0.64762	0.11446	3.33974	3535.874
0.64775	0.11447	3.34255	3540.801
0.64787	0.11447	3.34498	3545.5
0.64799	0.11452	3.34734	3550.191
0.64811	0.11453	3.34948	3554.804
0.64822	0.1146	3.35147	3559.264
0.64833	0.11466	3.35352	3563.647
0.64844	0.11473	3.35534	3568.155
0.64854	0.11485	3.35694	3572.81
0.64864	0.11493	3.35835	3577.612
0.64874	0.11506	3.35983	3582.494
0.64883	0.11514	3.36159	3587.419
0.64892	0.11525	3.36386	3592.975
0.64902	0.11536	3.36704	3599.946
0.64914	0.11547	3.36919	3607.674
0.64932	0.11561	3.3712	3615.726
0.64956	0.1157	3.37351	3623.855
0.64986	0.11584	3.37622	3631.961
0.65024	0.11591	3.37927	3639.902
0.65063	0.11604	3.38239	3646.614
0.65102	0.11612	3.38463	3652.013
0.6514	0.11619	3.38708	3656.775
0.65174	0.11631	3.38963	3661.259
0.65213	0.11649	3.40287	3667.47
0.65259	0.11752	3.44077	3675.975
0.65295	0.11796	3.4617	3682.462
0.65324	0.11817	3.4684	3686.693
0.65345	0.11828	3.47211	3689.612
0.65363	0.1184	3.47554	3692.763
0.65376	0.1185	3.47852	3696.021
0.65386	0.11856	3.48104	3698.838
0.65393	0.11864	3.48254	3700.727
0.65399	0.1187	3.48324	3702.154

11:53:06.216	-7	0.00006	0.00008	0.0008	1.057	0.000102
11:53:07.216	-7	0.00004	0.00005	0.00099	0.555	0.000054
11:53:08.216	-7	0.00003	0.00005	0.0012	0.525	0.000051
11:53:09.216	-7	0.00003	0.00006	0.00126	0.561	0.000055
11:53:10.216	-7	0.00003	0.00004	0.00114	0.444	0.000043
11:53:11.216	-7	0.00003	0.00006	0.00061	0.312	0.00003
11:53:12.216	-7	0.00002	0.00003	0.00077	0.3	0.000029
11:53:13.216	-7	0.00002	0.00005	0.00103	0.372	0.000036
11:53:14.216	-7	0.00002	0.00004	0.00129	0.495	0.000048
11:53:15.216	-7	0.00002	0.00005	0.00176	0.74	0.000072
11:53:16.216	-7	0.00003	0.00009	0.00351	1.591	0.000154
11:53:17.216	-7	0.00003	0.00007	0.00457	2.708	0.000263
11:53:18.216	-7	0.00005	0.00015	0.0037	4.388	0.000424
11:53:19.216	-7	0.00013	0.00055	0.0062	11.513	0.001112
11:53:20.216	-7	0.00064	0.00104	0.00893	20.35	0.001965
11:53:21.216	-7	0.00197	0.00014	0.00595	18.858	0.001821
11:53:22.216	-7	0.00407	0.00029	0.01002	23.473	0.002267
11:53:23.216	-7	0.00498	0.00015	0.00898	20.812	0.00201
11:53:24.216	-7	0.00442	0.00006	0.00724	15.621	0.001509
11:53:25.216	-7	0.00214	0.00012	0.00374	6.639	0.000642
11:53:26.216	-7	0.00099	0.00001	0.00197	3.199	0.00031
11:53:27.216	-7	0.00043	0.00007	0.00097	1.478	0.000143
11:53:28.216	-7	0.00024	0.00003	0.00113	0.943	0.000091
11:53:29.216	-7	0.00016	0.00005	0.00148	0.794	0.000077
11:53:30.216	-7	0.00012	0.00006	0.00172	0.93	0.00009
11:53:31.216	-7	0.00012	0.00007	0.00231	1.391	0.000135
11:53:32.216	-7	0.00011	0.00012	0.00318	2.303	0.000223
11:53:33.216	-7	0.0001	0.00007	0.00362	3.2	0.00031
11:53:34.216	-7	0.00009	0.00011	0.00168	3.334	0.000322
11:53:35.216	-7	0.00007	0.00007	0.00122	2.579	0.000249
11:53:36.216	-7	0.00006	0.0001	0.00087	2.061	0.000199
11:53:37.216	-7	0.00005	0.0001	0.00117	1.614	0.000156
11:53:38.216	-7	0.00005	0.00008	0.00172	1.433	0.000139
11:53:39.216	-7	0.00004	0.0001	0.00157	1.15	0.000112
11:53:40.216	-7	0.00004	0.00003	0.00067	0.707	0.000069
11:53:41.216	-7	0.00003	0.00005	0.00085	0.381	0.000037
11:53:42.216	-7	0.00003	0	0.00103	0.235	0.000023
11:53:43.216	-7	0.00002	0.00002	0.0012	0.178	0.000017
11:53:44.216	-7	0.00002	0.00001	0.00136	0.156	0.000015
11:53:45.216	-7	0.00002	0.00001	0.00148	0.15	0.000015
11:53:46.216	-7	0.00002	0.00002	0.0015	0.269	0.000026
11:53:47.216	-7	0.00002	0.00001	0.00278	0.831	0.000081
11:53:48.216	-7	0.00002	0.00006	0.00294	1.477	0.000143
11:53:49.216	-7	0.00002	0.00005	0.002	1.85	0.000179
11:53:50.216	-7	0.00002	0.0001	0.0012	1.721	0.000167
11:53:51.216	-7	0.00002	0.0001	0.00172	1.576	0.000153
11:53:52.216	-7	0.00002	0.00007	0.00302	2.481	0.00024

29.3	2.10E+00	2.100	0.400	1.747	0.331	9.600
29.1	1.60E+00	1.500	0.400	1.273	0.336	6.600
26.2	1.30E+00	1.200	0.400	1.014	0.336	6.900
26.1	1.30E+00	1.100	0.400	0.921	0.335	7.900
22.9	1.30E+00	1.100	0.400	0.926	0.337	5.800
22.6	1.20E+00	1.000	0.400	0.845	0.338	9.800
16	9.00E-01	0.700	0.400	0.601	0.338	5.000
15.7	9.00E-01	0.600	0.400	0.514	0.337	8.800
10	8.00E-01	0.600	0.400	0.503	0.335	5.800
9.7	8.00E-01	0.600	0.400	0.501	0.334	6.300
3.9	8.00E-01	0.600	0.400	0.495	0.330	7.400
4	8.00E-01	0.600	0.400	0.484	0.323	5.000
6.9	9.00E-01	0.600	0.600	0.474	0.467	9.600
7.1	1.10E+00	0.800	0.600	0.619	0.469	14.800
10.7	3.10E+00	3.200	0.700	2.508	0.542	16.400
11.2	9.80E+00	11.800	0.700	9.242	0.547	2.300
20.4	1.59E+01	19.600	0.700	15.382	0.548	3.800
21	2.18E+01	27.100	0.700	21.207	0.549	2.100
30.5	2.41E+01	29.800	0.800	23.469	0.631	1.200
30.8	2.29E+01	27.800	0.800	22.268	0.640	4.200
37.7	1.77E+01	20.900	0.900	16.929	0.722	0.600
37.8	1.14E+01	12.900	0.900	10.615	0.743	5.900
39	7.50E+00	8.100	0.900	6.770	0.749	3.400
39	5.30E+00	5.500	0.900	4.575	0.751	5.300
38.7	3.80E+00	3.700	0.900	3.068	0.750	5.800
38.7	3.20E+00	2.900	0.900	2.418	0.745	6.100
38.7	2.60E+00	2.300	0.900	1.891	0.733	9.000
38.7	2.20E+00	1.900	0.900	1.521	0.717	5.300
39.5	2.10E+00	1.800	0.800	1.428	0.635	8.400
39.5	2.00E+00	1.600	0.900	1.282	0.717	6.400
40.4	1.70E+00	1.200	0.900	0.974	0.725	10.000
40.4	1.40E+00	0.900	0.800	0.742	0.661	10.500
40.4	1.30E+00	0.800	0.800	0.667	0.660	7.300
40.4	1.10E+00	0.600	0.700	0.506	0.582	8.500
40.4	1.10E+00	0.600	0.700	0.505	0.589	2.300
40.4	9.00E-01	0.400	0.700	0.346	0.594	4.600
39.7	8.00E-01	0.200	0.700	0.179	0.596	0.300
39.7	7.00E-01	0.100	0.700	0.093	0.597	1.500
39.2	7.00E-01	0.100	0.700	0.085	0.596	1.200
39.1	6.00E-01	0.000	0.700	0.007	0.596	1.400
38.2	6.00E-01	0.000	0.700	0.000	0.596	1.800
38.2	6.00E-01	0.000	0.700	0.000	0.587	1.000
37.6	6.00E-01	0.000	0.700	0.000	0.576	6.100
37.6	6.00E-01	0.000	0.700	0.000	0.568	5.000
36.7	6.00E-01	0.000	0.700	0.000	0.570	10.000
36.7	6.00E-01	0.000	0.700	0.000	0.576	9.000
36	6.00E-01	0.000	0.700	0.000	0.568	5.400

1378	26.479	20.9	353.202253	351.714712
1367	25.231	6.4	353	339.121067
1276	23.817	0	352.3	327.387733
1102	21.22	0	352.3	315.6544
1098	17.76	10.7	351.5808	308.730061
1073	14.007	21.2	350.882661	302.595092
1068	11.11	22	350.7	296.460123
960	7.808	29.8	350.7	293.73235
792	4.099	44.5	350.7	293.285523
917	3.271	58.1	350.497	292.838695
1425	4.669	77.4	350.182718	296.004619
1582	7.305	61	350.7	310.486517
1774	8.749	59.1	350.836937	324.968414
1959	11.577	81.6	351.558182	340.485972
2520	17.144	71.2	352.285455	382.222083
2604	22.21	76.9	355.39684	423.958194
2762	27.492	72.3	357.198202	460.737776
2727	31.784	70.3	358.780769	471.103445
2347	35.906	63.4	360.703846	481.469115
2125	38.041	54.3	360.8	491.834784
1674	38.5	25.9	360.000898	462.032487
1544	38.5	20.2	358.720256	425.086064
1550	38.5	26	357.919231	388.139641
1543	38.253	31.4	357.215731	368.953389
1545	37.88	45	356.509906	360.652404
1575	38.015	66.8	356.1	352.351418
1610	38.575	61.5	355.885094	346.800308
1594	39.11	49.4	355.208974	348.646462
1625	39.679	48.7	354.6	350.492615
1605	39.74	29	354.555636	352.044642
1614	40.228	33.6	353.828364	339.88475
1619	40.37	33.1	352.99923	327.724857
1614	39.792	0.4	352.3	315.571949
1602	39.74	0.1	352.3	303.570784
1591	39.74	0	351.667279	291.569618
1578	39.408	0	351.5	279.568453
1561	38.854	0	351.022807	269.968588
1541	38.5	0	350.7	261.897538
1519	38.284	0	350.7	253.826488
1508	37.74	13.9	350.7	250.939946
1520	37.26	48.6	350.50904	255.765684
1543	37.26	51.7	350	260.591421
1482	36.688	38.8	350	265.2
1462	36.145	33.3	350	265.2
1461	36.02	35.6	350	265.2
1496	35.634	62.4	349.386521	265.2
1500	35.687	72.1	349.2	272.871466

0.65405	0.11878	3.48404	3703.211
0.65409	0.11883	3.48503	3703.766
0.65412	0.11888	3.48623	3704.291
0.65415	0.11894	3.48749	3704.852
0.65418	0.11898	3.48863	3705.296
0.65421	0.11904	3.48924	3705.608
0.65423	0.11907	3.49001	3705.908
0.65425	0.11912	3.49104	3706.28
0.65427	0.11916	3.49233	3706.775
0.65429	0.11921	3.49409	3707.515
0.65432	0.1193	3.4976	3709.106
0.65435	0.11937	3.50217	3711.814
0.6544	0.11952	3.50587	3716.202
0.65453	0.12007	3.51207	3727.715
0.65517	0.12111	3.521	3748.065
0.65714	0.12125	3.52695	3766.923
0.66121	0.12154	3.53697	3790.396
0.66619	0.12169	3.54595	3811.208
0.67061	0.12175	3.55319	3826.829
0.67275	0.12187	3.55693	3833.468
0.67374	0.12188	3.5589	3836.667
0.67417	0.12195	3.55987	3838.145
0.67441	0.12198	3.561	3839.088
0.67457	0.12203	3.56248	3839.882
0.67469	0.12209	3.5642	3840.812
0.67481	0.12216	3.56651	3842.203
0.67492	0.12228	3.56969	3844.506
0.67502	0.12235	3.57331	3847.706
0.67511	0.12246	3.57499	3851.04
0.67518	0.12253	3.57621	3853.619
0.67524	0.12263	3.57708	3855.68
0.67529	0.12273	3.57825	3857.294
0.67534	0.12281	3.57997	3858.727
0.67538	0.12291	3.58154	3859.877
0.67542	0.12294	3.58221	3860.584
0.67545	0.12299	3.58306	3860.965
0.67548	0.12299	3.58409	3861.2
0.6755	0.12301	3.58529	3861.378
0.67552	0.12302	3.58665	3861.534
0.67554	0.12303	3.58813	3861.684
0.67556	0.12305	3.58963	3861.953
0.67558	0.12306	3.59241	3862.784
0.6756	0.12312	3.59535	3864.261
0.67562	0.12317	3.59735	3866.111
0.67564	0.12327	3.59855	3867.832
0.67566	0.12337	3.60027	3869.408
0.67568	0.12344	3.60329	3871.889

11:53:53.216	-7	0.00003	0.00008	0.00288	3.179	0.000308
11:53:54.216	-7	0.00003	0.00005	0.0023	3.267	0.000316
11:53:55.216	-7	0.00003	0.0001	0.00118	2.687	0.00026
11:53:56.216	-7	0.00003	0.00009	0.00041	1.903	0.000184
11:53:57.216	-7	0.00003	0.00011	0.00073	1.665	0.000161
11:53:58.216	-7	0.00003	0.00012	0.00179	2.102	0.000204
11:53:59.216	-7	0.00004	0.00012	0.00307	3.291	0.000319
11:54:00.216	-7	0.00004	0.00016	0.0029	4.367	0.000422
11:54:01.216	-7	0.00005	0.00009	0.00225	5.306	0.000512
11:54:02.216	-7	0.00006	0.00015	0.0022	6.104	0.000589
11:54:03.216	-7	0.00007	0.00004	0.00312	6.43	0.000621
11:54:04.216	-7	0.00007	0.00009	0.00234	6.019	0.000581
11:54:05.216	-7	0.00006	0.00006	0.00192	4.656	0.00045
11:54:06.216	-7	0.00005	0.00007	0.00093	3.148	0.000304
11:54:07.216	-7	0.00004	0.0001	0.00084	2.13	0.000206
11:54:08.216	-7	0.00004	0.00007	0.00111	1.732	0.000168
11:54:09.216	-7	0.00004	0.00012	0.00106	1.413	0.000137
11:54:10.216	-7	0.00004	0.00006	0.00076	0.962	0.000093
11:54:11.216	-7	0.00004	0.00007	0.00078	0.572	0.000055
11:54:12.216	-7	0.00004	0.00004	0.00119	0.343	0.000033
11:54:13.216	-7	0.00003	0.00002	0.0013	0.253	0.000025
11:54:14.216	-7	0.00003	0.00003	0.00125	0.202	0.00002
11:54:15.216	-7	0.00003	0.00002	0.00146	0.207	0.00002
11:54:16.216	-7	0.00004	0.00006	0.00188	0.569	0.000055
11:54:17.216	-7	0.00004	0.00006	0.00354	1.447	0.000141
11:54:18.216	-7	0.00004	0.00012	0.00377	2.543	0.000247
11:54:19.216	-7	0.00005	0.00011	0.00262	3.274	0.000317
11:54:20.216	-7	0.00006	0.00012	0.00188	3.608	0.000349
11:54:21.216	-7	0.00006	0.00017	0.00241	3.802	0.000368
11:54:22.216	-7	0.00006	0.00011	0.00219	3.923	0.000379
11:54:23.216	-7	0.00006	0.00015	0.00196	4.012	0.000388
11:54:24.216	-7	0.00005	0.00006	0.00142	3.174	0.000307
11:54:25.216	-7	0.00004	0.0001	0.00083	2.182	0.000211
11:54:26.216	-7	0.00003	0.00007	0.00056	1.061	0.000103
11:54:27.216	-7	0.00004	0.00006	0.00085	0.773	0.000075
11:54:28.216	-7	0.00003	0.00007	0.00106	0.601	0.000058
11:54:29.216	-7	0.00004	0.00003	0.00156	0.749	0.000073
11:54:30.216	-7	0.00004	0.00007	0.00258	1.321	0.000128
11:54:31.216	-7	0.00004	0.00007	0.00316	2.194	0.000213
11:54:32.216	-7	0.00005	0.00013	0.00281	3.033	0.000294
11:54:33.216	-7	0.00006	0.0001	0.00192	3.444	0.000333
11:54:34.216	-7	0.00005	0.00009	0.00206	3.484	0.000337
11:54:35.216	-7	0.00005	0.00011	0.00163	3.332	0.000322
11:54:36.216	-7	0.00005	0.00013	0.0016	3.032	0.000293
11:54:37.216	-7	0.00005	0.00014	0.00173	2.876	0.000278
11:54:38.216	-7	0.00004	0.00006	0.00162	2.726	0.000264
11:54:39.216	-7	0.00004	0.0001	0.00133	2.562	0.000248

36	7.00E-01	0.200	0.700	0.152	0.557	6.600
36.4	8.00E-01	0.200	0.800	0.158	0.624	4.400
36.4	9.00E-01	0.300	0.800	0.232	0.634	10.000
36.4	9.00E-01	0.300	0.800	0.242	0.646	9.700
36.4	9.00E-01	0.300	0.800	0.245	0.652	11.000
35.6	8.00E-01	0.300	0.700	0.244	0.569	10.200
35.6	8.00E-01	0.300	0.700	0.240	0.560	8.300
35.6	8.00E-01	0.300	0.700	0.237	0.552	10.600
35.6	9.00E-01	0.300	0.800	0.235	0.621	5.000
36.4	1.00E+00	0.500	0.800	0.383	0.623	7.800
36.4	1.10E+00	0.600	0.800	0.459	0.622	2.300
37.6	1.20E+00	0.800	0.800	0.615	0.621	5.200
37.7	1.20E+00	0.800	0.800	0.625	0.625	4.300
38.9	1.30E+00	0.900	0.800	0.712	0.633	6.400
38.9	1.40E+00	0.900	0.800	0.724	0.644	9.900
39.6	1.30E+00	0.800	0.800	0.651	0.651	7.300
39.6	1.20E+00	0.800	0.700	0.658	0.575	12.000
39.4	1.20E+00	0.800	0.700	0.667	0.583	6.200
39.4	1.20E+00	0.700	0.700	0.597	0.590	7.400
39.7	1.10E+00	0.600	0.700	0.517	0.594	3.800
39.7	1.00E+00	0.500	0.700	0.433	0.596	2.000
39.9	1.00E+00	0.500	0.700	0.426	0.597	2.800
39.9	9.00E-01	0.400	0.700	0.341	0.597	2.000
40.4	9.00E-01	0.400	0.700	0.338	0.592	5.400
40.4	8.00E-01	0.300	0.700	0.256	0.581	4.800
40.9	9.00E-01	0.400	0.700	0.325	0.569	8.900
41	1.00E+00	0.500	0.800	0.392	0.640	8.200
41.8	1.20E+00	0.600	0.900	0.478	0.710	8.200
41.8	1.20E+00	0.600	0.900	0.476	0.715	11.600
42	1.20E+00	0.600	0.900	0.475	0.713	7.400
42	1.20E+00	0.600	0.900	0.474	0.712	10.100
42	1.20E+00	0.600	0.900	0.476	0.714	5.000
42	1.30E+00	0.700	0.900	0.555	0.723	10.200
41.5	1.30E+00	0.700	0.900	0.577	0.742	8.800
41.5	1.30E+00	0.700	0.900	0.584	0.751	7.100
40.5	1.20E+00	0.600	0.800	0.510	0.678	7.600
40.5	1.20E+00	0.600	0.800	0.502	0.670	3.300
39.9	1.20E+00	0.600	0.800	0.495	0.660	7.000
39.9	1.10E+00	0.600	0.800	0.486	0.648	5.800
40	1.20E+00	0.600	0.900	0.479	0.718	10.200
40.1	1.30E+00	0.600	1.100	0.475	0.864	7.700
40.9	1.30E+00	0.600	1.100	0.473	0.867	7.300
40.9	1.30E+00	0.600	1.100	0.474	0.868	9.000
41.7	1.40E+00	0.700	1.100	0.554	0.871	11.600
41.7	1.40E+00	0.700	1.000	0.555	0.799	12.500
42.2	1.30E+00	0.700	1.000	0.554	0.791	6.500
42.2	1.30E+00	0.700	1.000	0.552	0.789	11.100

1476	36.02	57.7	349.2	283.79948
1455	36.02	36.6	349.2	294.727493
1459	35.96	39.5	349.2	301.895074
1435	35.472	42.5	349.2	297.348054
1462	35.367	52.5	349.024138	292.801033
1498	34.891	71.9	348.5	293.446792
1466	35.383	72.2	348.5	304.172651
1502	36.02	73.8	348.151087	314.898509
1515	36.15	81.1	347	326.923762
1494	37.127	80.8	346.874259	342.765347
1518	37.877	81.8	346.224288	358.606931
1543	38.447	79.6	345.56129	373.850218
1551	38.5	44.6	344.916129	362.496507
1560	38.5	39.5	343.19693	351.142795
1567	39.069	26.9	342.297194	339.527105
1568	39.12	3.6	340.225984	322.351661
1578	39.12	0	339.468349	305.176216
1584	39.12	0	338.7867	288.366307
1588	39.12	0	337.760368	276.90235
1602	39.681	0	336.592196	265.438393
1607	39.74	0	334.595826	253.974436
1612	39.74	23.4	333.059031	250.041639
1617	40.202	37.5	332.369541	246.808459
1627	40.37	55.3	331.6742	243.575278
1641	40.763	56.9	329.635165	254.463142
1650	40.99	55.4	327.832083	267.784528
1654	40.99	57.3	326.790868	281.105914
1659	40.99	61.3	325.752742	292.412688
1666	41.118	64.6	324.18634	301.744743
1674	41.61	66.4	322.405172	311.076798
1667	41.61	50.9	321.083062	313.242056
1561	41.51	16.4	320.105276	303.51348
1286	40.947	15.2	318.690967	293.784904
1296	40.382	2	316.71044	284.485825
1285	39.839	23.3	315.372241	279.185051
1327	39.74	40.5	314.768793	273.884276
1347	39.74	50.2	313.490719	268.583502
1340	39.74	55.2	312.198364	272.131623
1335	39.74	64.8	311.176163	278.804997
1344	40.14	64.6	309.881665	285.47837
1356	40.703	61.5	309.6	292.594355
1364	40.99	54.8	309.129949	299.852419
1376	41.298	53.2	307.896192	307.110484
1386	41.61	60.3	306.424625	310.33
1394	41.825	62.3	305.554988	311.441111
1388	42.23	45.5	304.885106	312.552222
1346	42.071	14.5	304.207587	307.165155

0.67571	0.12352	3.60617	3875.068
0.67574	0.12357	3.60847	3878.335
0.67577	0.12367	3.60965	3881.022
0.6758	0.12376	3.61006	3882.925
0.67583	0.12387	3.61079	3884.59
0.67586	0.12399	3.61258	3886.692
0.6759	0.12411	3.61565	3889.983
0.67594	0.12427	3.61855	3894.35
0.67599	0.12436	3.6208	3899.656
0.67605	0.12451	3.623	3905.76
0.67612	0.12455	3.62612	3912.19
0.67619	0.12464	3.62846	3918.209
0.67625	0.1247	3.63038	3922.865
0.6763	0.12477	3.63131	3926.013
0.67634	0.12487	3.63215	3928.143
0.67638	0.12494	3.63326	3929.875
0.67642	0.12506	3.63432	3931.288
0.67646	0.12512	3.63508	3932.25
0.6765	0.12519	3.63586	3932.822
0.67654	0.12523	3.63705	3933.165
0.67657	0.12525	3.63835	3933.418
0.6766	0.12528	3.6396	3933.62
0.67663	0.1253	3.64106	3933.827
0.67667	0.12536	3.64294	3934.396
0.67671	0.12542	3.64648	3935.843
0.67675	0.12554	3.65025	3938.386
0.6768	0.12565	3.65287	3941.66
0.67686	0.12577	3.65475	3945.268
0.67692	0.12594	3.65716	3949.07
0.67698	0.12605	3.65935	3952.993
0.67704	0.1262	3.66131	3957.005
0.67709	0.12626	3.66273	3960.179
0.67713	0.12636	3.66356	3962.361
0.67716	0.12643	3.66412	3963.422
0.6772	0.12649	3.66497	3964.195
0.67723	0.12656	3.66603	3964.796
0.67727	0.12659	3.66759	3965.545
0.67731	0.12666	3.67017	3966.866
0.67735	0.12673	3.67333	3969.06
0.6774	0.12686	3.67614	3972.093
0.67746	0.12696	3.67806	3975.537
0.67751	0.12705	3.68012	3979.021
0.67756	0.12716	3.68175	3982.353
0.67761	0.12729	3.68335	3985.385
0.67766	0.12743	3.68508	3988.261
0.6777	0.12749	3.6867	3990.987
0.67774	0.12759	3.68803	3993.549

11:54:40.216	-7	0.00004	0.00007	0.00108	2.095	0.000203
11:54:41.216	-7	0.00003	0.00008	0.0004	1.434	0.000139
11:54:42.216	-7	0.00003	0.00008	0.00042	0.928	0.00009
11:54:43.216	-7	0.00003	0.00004	0.00061	0.551	0.000053
11:54:44.216	-7	0.00003	0.00005	0.00122	0.477	0.000046
11:54:45.216	-7	0.00003	0.00003	0.00218	0.907	0.000088
11:54:46.216	-7	0.00002	0.00007	0.0019	1.194	0.000116
11:54:47.216	-7	0.00002	0.00005	0.00128	1.264	0.000122
11:54:48.216	-7	0.00002	0.00008	0.00116	1.328	0.000129
11:54:49.216	-7	0.00002	0.00008	0.00118	1.213	0.000118
11:54:50.216	-7	0.00002	0.00006	0.00096	0.862	0.000084
11:54:51.216	-7	0.00002	0.00006	0.0006	0.593	0.000058
11:54:52.216	-7	0.00002	0.00003	0.00107	0.424	0.000041
11:54:53.216	-7	0.00002	0.00005	0.00066	0.3	0.000029
11:54:54.216	-7	0.00002	0.00003	0.00082	0.237	0.000023
11:54:55.216	-7	0.00002	0.00003	0.00098	0.285	0.000028
11:54:56.216	-7	0.00002	0.00001	0.00117	0.433	0.000042
11:54:57.216	-7	0.00002	0.00001	0.00146	0.61	0.000059
11:54:58.216	-7	0.00002	0.00004	0.00104	0.703	0.000068
11:54:59.216	-7	0.00002	0.00002	0.00101	0.733	0.000071
11:55:00.216	-7	0.00002	0.00004	0.00102	0.775	0.000075
11:55:01.216	-7	0.00002	0.00002	0.00094	0.814	0.000079
11:55:02.216	-7	0.00002	0.00003	0.001	0.916	0.000089
11:55:03.216	-7	0.00002	0.00003	0.00122	1.034	0.0001
11:55:04.216	-7	0.00002	0.00003	0.001	1.093	0.000106
11:55:05.216	-7	0.00002	0.00005	0.0009	1.123	0.000109
11:55:06.216	-7	0.00002	0.00003	0.00087	1.129	0.000109
11:55:07.216	-7	0.00002	0.00005	0.00118	1.136	0.00011
11:55:08.216	-7	0.00002	0.00003	0.00148	1.162	0.000113
11:55:09.216	-7	0.00002	0.00005	0.00151	1.29	0.000125
11:55:10.216	-7	0.00003	0.00007	0.00209	2.027	0.000196
11:55:11.216	-7	0.00004	0.00012	0.00436	3.958	0.000383
11:55:12.216	-7	0.00006	0.00032	0.0054	7.481	0.000723
11:55:13.216	-7	0.00012	0.00021	0.00391	8.015	0.000774
11:55:14.216	-7	0.00022	0.00031	0.00383	8.724	0.000843
11:55:15.216	-7	0.00026	0.00022	0.00438	9.57	0.000924
11:55:16.216	-7	0.00033	0.00029	0.00385	9.346	0.000902
11:55:17.216	-7	0.00031	0.00021	0.0031	6.961	0.000673
11:55:18.216	-7	0.00021	0.00014	0.00148	3.633	0.000351
11:55:19.216	-7	0.00014	0.00012	0.00068	1.502	0.000145
11:55:20.216	-7	0.0001	0.00007	0.00051	0.751	0.000073
11:55:21.216	-7	0.00007	0.00008	0.00067	0.502	0.000049
11:55:22.216	-7	0.00005	0.00007	0.00108	0.42	0.000041
11:55:23.216	-7	0.00005	0.00008	0.00124	0.49	0.000048
11:55:24.216	-7	0.00006	0.00009	0.00167	0.781	0.000076
11:55:25.216	-7	0.00008	0.00012	0.00335	1.747	0.00017
11:55:26.216	-7	0.00012	0.00026	0.00631	5.306	0.000514

42.6	1.40E+00	0.700	1.000	0.557	0.796	8.500
42.5	1.30E+00	0.600	1.000	0.487	0.811	10.300
41.4	1.30E+00	0.500	1.000	0.421	0.830	10.400
41.4	1.20E+00	0.400	1.000	0.344	0.842	4.400
40.5	1.00E+00	0.300	0.900	0.260	0.760	6.100
40.5	9.00E-01	0.200	0.900	0.173	0.749	3.900
39.8	9.00E-01	0.200	0.900	0.164	0.740	8.200
39.7	9.00E-01	0.200	0.900	0.164	0.736	6.600
38.8	9.00E-01	0.200	0.900	0.164	0.736	9.500
38.7	9.00E-01	0.200	0.900	0.164	0.739	9.400
36.9	9.00E-01	0.200	0.900	0.166	0.746	8.700
36.5	8.00E-01	0.100	0.900	0.084	0.752	9.900
28.7	8.00E-01	0.100	0.900	0.084	0.758	5.000
27.9	8.00E-01	0.100	0.900	0.085	0.762	7.300
15.3	8.00E-01	0.100	0.900	0.085	0.764	4.600
15.1	8.00E-01	0.000	0.900	0.000	0.762	4.600
10.6	8.00E-01	0.000	0.900	0.000	0.757	1.800
10.5	8.00E-01	0.000	0.900	0.000	0.751	1.000
7.5	7.00E-01	0.000	0.900	0.000	0.748	5.900
7.3	7.00E-01	0.000	0.900	0.000	0.747	2.600
3.9	7.00E-01	0.000	0.900	0.000	0.746	6.400
3.7	7.00E-01	0.000	0.900	0.000	0.744	2.800
0	7.00E-01	0.000	0.900	0.000	0.740	4.900
0	7.00E-01	0.000	0.900	0.000	0.737	5.400
0	7.00E-01	0.000	0.900	0.000	0.735	4.300
0	7.00E-01	0.000	0.900	0.000	0.734	7.900
0	7.00E-01	0.000	0.900	0.000	0.733	4.700
0	7.00E-01	0.000	0.900	0.000	0.733	8.400
0	7.00E-01	0.000	0.900	0.000	0.733	4.100
0	7.00E-01	0.000	0.900	0.000	0.733	7.300
0	7.00E-01	0.000	0.900	0.000	0.731	6.900
0.3	7.00E-01	0.000	0.900	0.000	0.719	7.000
6.2	7.00E-01	0.000	0.900	0.000	0.706	12.800
6.5	1.50E+00	1.000	0.900	0.787	0.701	8.600
13.1	2.30E+00	2.100	0.900	1.618	0.704	11.100
13.3	2.60E+00	2.500	0.900	1.928	0.703	7.200
17.7	3.40E+00	3.400	1.000	2.623	0.774	9.900
17.8	3.90E+00	4.000	1.000	3.135	0.786	8.800
21.3	4.10E+00	4.100	1.000	3.280	0.800	9.000
21.3	4.20E+00	4.100	1.000	3.364	0.821	12.000
21.5	3.80E+00	3.600	0.900	3.026	0.751	8.300
21.2	3.10E+00	2.700	0.900	2.300	0.756	11.500
15.9	2.20E+00	1.700	0.900	1.466	0.758	9.600
15.6	2.10E+00	1.600	0.900	1.351	0.756	12.000
10	1.90E+00	1.400	0.900	1.176	0.752	10.600
9.9	1.80E+00	1.300	0.900	1.071	0.742	9.600
9.1	1.70E+00	1.200	1.000	0.954	0.787	12.600

1329	41.521	0	303.527324	292.693106
1306	40.889	0	302.802462	278.221056
1282	40.33	4.7	302.146	266.241711
1300	39.83	34.3	301.350877	264.422987
1312	39.274	40.5	299.596491	262.604264
1267	38.668	32.6	298.866667	260.78554
1244	38.5	33.9	298.234787	257.600927
1224	38.211	16.1	298.1	254.161932
1261	37.349	6.5	297.694434	250.722937
1326	35.516	8.2	297.056375	245.491406
1303	32.091	0.2	296.488658	238.460156
1085	25.325	2	295.859455	231.428906
976	18.552	10.6	294.643312	224.683726
976	14.361	17.5	294.006369	224.305269
971	11.518	30.8	293.367917	223.926812
957	9.235	32.3	293.2	223.548355
891	7.546	28.8	292.784254	223.649653
821	6.42	29.8	292.5	224.060265
799	4.779	31.1	292.158417	224.470878
774	2.473	33.9	291.488535	225.975516
788	0.576	43.9	290.896522	228.8613
778	0	41.8	290.5	231.747084
781	0	42.7	290.258182	234.486567
778	0	42.4	289.05	236.397015
781	0	43	288.494444	238.307463
780	0	42.5	287.813131	240.21791
780	0	43.1	287.7	241.340526
781	0	43.5	287.344409	242.266185
783	0	43.2	287.1	243.191843
840	0.662	49.4	287.1	247.985119
1057	3.646	70.9	286.93803	260.186634
1751	7.604	87.2	286.4	272.388148
1903	10.564	76.9	286.4	284.589662
1929	13.469	77.4	285.798636	306.620387
1950	15.777	79.3	285.7	329.635114
1991	17.727	78.7	284.63578	352.649841
2006	19.898	74.7	283.07693	360.920524
1921	21.73	61.8	282.08216	350.876856
1560	21.73	14.4	281.6	340.833188
1331	20.612	5	281.532963	330.733406
1211	17.626	11.3	280.262969	315.588501
1072	13.449	21.9	279.6657	300.443596
1088	11.101	22.3	278.501235	285.298691
1101	9.823	32	277.762477	281.141966
1260	9.31	61.6	277.14688	279.698034
1479	9.85	88	276.4849	278.254101
1716	11.57	87	276.2	293.499196

0.67778	0.12766	3.68911	3995.644
0.67781	0.12774	3.68951	3997.078
0.67784	0.12782	3.68993	3998.006
0.67787	0.12786	3.69054	3998.557
0.6779	0.12791	3.69176	3999.034
0.67793	0.12794	3.69394	3999.941
0.67795	0.12801	3.69584	4001.135
0.67797	0.12806	3.69712	4002.399
0.67799	0.12814	3.69828	4003.727
0.67801	0.12822	3.69946	4004.94
0.67803	0.12828	3.70042	4005.802
0.67805	0.12834	3.70102	4006.395
0.67807	0.12837	3.70209	4006.819
0.67809	0.12842	3.70275	4007.119
0.67811	0.12845	3.70357	4007.356
0.67813	0.12848	3.70455	4007.641
0.67815	0.12849	3.70572	4008.074
0.67817	0.1285	3.70718	4008.684
0.67819	0.12854	3.70822	4009.387
0.67821	0.12856	3.70923	4010.12
0.67823	0.1286	3.71025	4010.895
0.67825	0.12862	3.71119	4011.709
0.67827	0.12865	3.71219	4012.625
0.67829	0.12868	3.71341	4013.659
0.67831	0.12871	3.71441	4014.752
0.67833	0.12876	3.71531	4015.875
0.67835	0.12879	3.71618	4017.004
0.67837	0.12884	3.71736	4018.14
0.67839	0.12887	3.71884	4019.302
0.67841	0.12892	3.72035	4020.592
0.67844	0.12899	3.72244	4022.619
0.67848	0.12911	3.7268	4026.577
0.67854	0.12943	3.7322	4034.058
0.67866	0.12964	3.73611	4042.073
0.67888	0.12995	3.73994	4050.797
0.67914	0.13017	3.74432	4060.367
0.67947	0.13046	3.74817	4069.713
0.67978	0.13067	3.75127	4076.674
0.67999	0.13081	3.75275	4080.307
0.68013	0.13093	3.75343	4081.809
0.68023	0.131	3.75394	4082.56
0.6803	0.13108	3.75461	4083.062
0.68035	0.13115	3.75569	4083.482
0.6804	0.13123	3.75693	4083.972
0.68046	0.13132	3.7586	4084.753
0.68054	0.13144	3.76195	4086.5
0.68066	0.1317	3.76826	4091.806

11:55:27.216	-7	0.00017	0.00042	0.00686	9.279	0.000896
11:55:28.216	-7	0.00022	0.00053	0.0036	10.489	0.001012
11:55:29.216	-7	0.0003	0.00035	0.00397	11.453	0.001106
11:55:30.216	-7	0.00044	0.00041	0.00508	11.355	0.001097
11:55:31.216	-7	0.00046	0.00027	0.00393	9.023	0.000872
11:55:32.216	-7	0.00046	0.0002	0.00302	6.943	0.000671
11:55:33.216	-7	0.00044	0.00024	0.00351	6.497	0.000628
11:55:34.216	-7	0.00036	0.00014	0.00255	5.983	0.000578
11:55:35.216	-7	0.00045	0.0003	0.00471	8.574	0.000828
11:55:36.216	-7	0.00046	0.00019	0.00391	9.291	0.000896
11:55:37.216	-7	0.00057	0.00024	0.00371	9.54	0.00092
11:55:38.216	-7	0.00073	0.00023	0.00321	9.708	0.000937
11:55:39.216	-7	0.00064	0.00025	0.00116	6.81	0.000658
11:55:40.216	-7	0.00058	0.00017	0.00537	6.493	0.000628
11:55:41.216	-7	0.00065	0.0001	0.00394	7.75	0.000748
11:55:42.216	-7	0.0007	0.00019	0.00269	8.334	0.000804
11:55:43.216	-7	0.00085	0.00013	0.00273	8.745	0.000844
11:55:44.216	-7	0.00096	0.00019	0.00324	8.8	0.000849
11:55:45.216	-7	0.0011	0.00016	0.00313	8.652	0.000835
11:55:46.216	-7	0.00098	0.00013	0.00199	6.151	0.000594
11:55:47.216	-7	0.0007	0.00011	0.00116	3.563	0.000345
11:55:48.216	-7	0.00039	0.00005	0.00122	1.891	0.000183
11:55:49.216	-7	0.00025	0.00006	0.00116	1.374	0.000133
11:55:50.216	-7	0.0002	0.00002	0.00102	1.181	0.000114
11:55:51.216	-7	0.00013	0.00004	0.00056	0.845	0.000082
11:55:52.216	-7	0.0001	0.00003	0.00063	0.603	0.000058
11:55:53.216	-7	0.00008	0.00004	0.00106	0.553	0.000054
11:55:54.216	-7	0.00007	0.00005	0.0012	0.622	0.00006
11:55:55.216	-7	0.00006	0.00003	0.00115	0.683	0.000066
11:55:56.216	-7	0.00005	0.00004	0.00108	0.705	0.000068
11:55:57.216	-7	0.00005	0.00002	0.00101	0.715	0.000069
11:55:58.216	-7	0.00007	0.00005	0.0013	0.98	0.000095
11:55:59.216	-7	0.00011	0.00005	0.00339	2.398	0.000233
11:56:00.216	-7	0.00017	0.00015	0.00675	6.047	0.000585
11:56:01.216	-7	0.00024	0.00035	0.00662	10.841	0.001047
11:56:02.216	-7	0.00035	0.00009	0.00355	11.891	0.001148
11:56:03.216	-7	0.00051	0.00015	0.00383	11	0.001063
11:56:04.216	-7	0.00066	0.00003	0.00501	9.713	0.000939
11:56:05.216	-7	0.00057	0.00012	0.00344	6.798	0.000657
11:56:06.216	-7	0.00039	0.00004	0.00247	4.038	0.000391
11:56:07.216	-7	0.00031	0.00006	0.00186	2.932	0.000284
11:56:08.216	-7	0.00024	0.0001	0.00122	2.177	0.000211
11:56:09.216	-7	0.00014	0.00008	0.00067	1.361	0.000132
11:56:10.216	-7	0.00009	0.00009	0.00092	0.875	0.000085
11:56:11.216	-7	0.00006	0.00005	0.00103	0.738	0.000072
11:56:12.216	-7	0.00005	0.00007	0.00104	0.652	0.000063
11:56:13.216	-7	0.00004	0.00006	0.00097	0.511	0.00005

9.3	1.70E+00	1.200	1.000	0.936	0.780	14.300
12.8	2.10E+00	1.400	1.300	1.081	1.007	16.700
13	2.50E+00	1.900	1.400	1.453	1.091	9.900
18.2	3.60E+00	3.100	1.400	2.465	1.097	11.100
18.4	4.30E+00	4.100	1.400	3.207	1.105	8.400
22.8	5.20E+00	5.200	1.400	4.094	1.112	7.400
22.9	5.50E+00	5.600	1.400	4.415	1.107	10.100
25	5.50E+00	5.600	1.400	4.385	1.096	7.300
25	5.40E+00	5.600	1.400	4.335	1.084	12.000
25.8	5.40E+00	5.600	1.400	4.307	1.077	7.300
25.8	6.40E+00	6.800	1.400	5.273	1.080	8.900
26.6	7.30E+00	8.000	1.400	6.214	1.090	7.600
26.6	7.80E+00	8.500	1.400	6.707	1.107	9.900
25.8	7.90E+00	8.800	1.300	6.906	1.029	7.500
25.7	8.20E+00	9.200	1.400	7.148	1.082	4.000
24.1	8.60E+00	9.800	1.400	7.566	1.084	8.000
24.1	1.02E+01	11.700	1.500	9.025	1.160	5.200
24.2	1.14E+01	13.300	1.500	10.283	1.160	7.400
24.2	1.30E+01	15.200	1.500	11.790	1.163	6.400
24.2	1.41E+01	16.400	1.500	12.877	1.180	6.100
24.2	1.44E+01	16.500	1.500	13.174	1.198	7.400
23.6	1.33E+01	15.000	1.500	12.059	1.208	6.000
23.5	1.12E+01	12.300	1.500	9.945	1.212	8.200
20.6	8.40E+00	8.800	1.500	7.187	1.225	3.400
20.4	5.80E+00	5.600	1.400	4.674	1.158	6.300
17	4.80E+00	4.400	1.400	3.643	1.168	4.300
16.9	3.90E+00	3.200	1.400	2.709	1.171	6.000
15.1	3.30E+00	2.500	1.400	2.106	1.169	7.800
14.9	2.90E+00	2.100	1.400	1.760	1.164	4.800
11.3	2.60E+00	1.700	1.400	1.427	1.162	6.000
10.9	2.50E+00	1.600	1.400	1.328	1.162	3.200
4.4	2.40E+00	1.500	1.400	1.243	1.160	5.800
4.1	2.30E+00	1.400	1.400	1.151	1.145	3.300
0	2.10E+00	1.300	1.300	1.045	1.045	6.100
0.4	2.10E+00	1.300	1.400	1.017	1.089	9.900
9.9	2.80E+00	2.100	1.400	1.673	1.096	2.400
10.2	4.10E+00	3.900	1.300	3.079	1.023	4.000
16.9	5.80E+00	6.100	1.300	4.790	1.025	0.900
17.1	6.70E+00	7.300	1.200	5.759	0.958	4.800
22.4	7.00E+00	7.500	1.200	5.995	0.960	2.200
22.5	6.90E+00	7.400	1.100	5.975	0.887	4.300
24.5	5.80E+00	6.000	1.100	4.886	0.897	7.800
24.5	4.30E+00	4.200	1.000	3.433	0.824	7.800
24.3	3.30E+00	3.000	1.000	2.453	0.831	11.100
24.3	2.50E+00	2.100	0.900	1.712	0.751	6.800
24.4	1.90E+00	1.400	0.800	1.189	0.669	9.600
24.4	1.70E+00	1.200	0.800	1.015	0.673	7.600

1989	13.894	76.9	276.2	322.565368
2089	16.176	75.2	275.916651	351.63154
2059	18.53	76	275.305688	374.803455
2143	21.185	70.4	274.9	385.038136
2092	23.129	62.9	274.9	395.272816
2008	24.281	69.3	274.9	403.921829
1927	24.774	76.5	275.008683	407.684398
1505	25.436	91.6	275.5	411.446967
1394	25.488	86.7	275.5	416.349538
1421	26.128	79.9	275.725861	427.149156
1442	26.697	82.7	276.2	437.948773
1429	26.134	40.6	276.238147	448.4378
1542	25.129	78.3	276.873933	445.733474
1402	24.412	75.8	277.476223	443.029147
1318	23.839	77.3	278.124835	440.32482
1297	23.6	82.5	279.642466	445.023844
1287	23.6	84.1	280.957188	452.971821
1286	23.6	81.9	281.838217	460.919798
1292	23.6	77	282.649682	463.254195
1276	23.6	47.9	284.177925	447.314597
1285	22.913	48.6	286.549219	431.375
1124	20.938	13.2	287.1	413.923249
965	19.516	8.8	287.399697	392.053639
1011	17.642	9.1	287.7	370.184029
1107	16.547	17.9	287.7	352.475313
1130	15.562	26.5	287.7	342.293609
1025	14.2	23.2	287.7	332.111905
950	12.902	22.1	287.7	322.683392
984	9.633	28.8	287.9212	317.094316
772	5.642	32.4	288.4	311.50524
750	2.774	36.8	288.4	306.102901
787	2.001	40.5	288.4	312.96298
1336	4.023	71.1	288.4	319.823058
1883	7.67	83.5	289.986445	326.683137
2091	11.513	75.7	291.865225	348.598338
2169	14.874	70.1	294.534513	376.782954
2194	17.807	72.6	297.4392	404.967569
2003	20.596	68.4	300.8832	417.062291
1774	22.56	55.5	304.185657	409.962053
1750	23.644	43.2	306.460091	402.861814
1768	24.213	33.1	308.202545	394.396562
1663	23.738	9.8	308.9	374.171193
1405	23.6	15.4	308.9	353.945825
1305	23.954	12.7	308.9	333.720457
1305	24.22	4.6	308.9	319.105312
1302	24.22	0	308.9	307.60502
1302	24.22	0	308.647834	296.104729

0.68083	0.13212	3.77512	4101.085
0.68105	0.13265	3.77872	4111.574
0.68135	0.133	3.78269	4123.027
0.68179	0.13341	3.78777	4134.382
0.68225	0.13368	3.7917	4143.405
0.68271	0.13388	3.79472	4150.348
0.68315	0.13412	3.79823	4156.845
0.68351	0.13426	3.80078	4162.828
0.68396	0.13456	3.80549	4171.402
0.68442	0.13475	3.8094	4180.693
0.68499	0.13499	3.81311	4190.233
0.68572	0.13522	3.81632	4199.941
0.68636	0.13547	3.81748	4206.751
0.68694	0.13564	3.82285	4213.244
0.68759	0.13574	3.82679	4220.994
0.68829	0.13593	3.82948	4229.328
0.68914	0.13606	3.83221	4238.073
0.6901	0.13625	3.83545	4246.873
0.6912	0.13641	3.83858	4255.525
0.69218	0.13654	3.84057	4261.676
0.69288	0.13665	3.84173	4265.239
0.69327	0.1367	3.84295	4267.13
0.69352	0.13676	3.84411	4268.504
0.69372	0.13678	3.84513	4269.685
0.69385	0.13682	3.84569	4270.53
0.69395	0.13685	3.84632	4271.133
0.69403	0.13689	3.84738	4271.686
0.6941	0.13694	3.84858	4272.308
0.69416	0.13697	3.84973	4272.991
0.69421	0.13701	3.85081	4273.696
0.69426	0.13703	3.85182	4274.411
0.69433	0.13708	3.85312	4275.391
0.69444	0.13713	3.85651	4277.789
0.69461	0.13728	3.86326	4283.836
0.69485	0.13763	3.86988	4294.677
0.6952	0.13772	3.87343	4306.568
0.69571	0.13787	3.87726	4317.568
0.69637	0.1379	3.88227	4327.281
0.69694	0.13802	3.88571	4334.079
0.69733	0.13806	3.88818	4338.117
0.69764	0.13812	3.89004	4341.049
0.69788	0.13822	3.89126	4343.226
0.69802	0.1383	3.89193	4344.587
0.69811	0.13839	3.89285	4345.462
0.69817	0.13844	3.89388	4346.2
0.69822	0.13851	3.89492	4346.852
0.69826	0.13857	3.89589	4347.363

11:56:14.216	-7	0.00004	0.00007	0.00093	0.369	0.000036
11:56:15.216	-7	0.00004	0.00006	0.00099	0.255	0.000025
11:56:16.216	-7	0.00004	0.00003	0.00074	0.183	0.000018
11:56:17.216	-7	0.00003	0.00004	0.00084	0.145	0.000014
11:56:18.216	-7	0.00003	0.00001	0.00084	0.124	0.000012
11:56:19.216	-7	0.00003	0.00004	0.00088	0.111	0.000011
11:56:20.216	-7	0.00002	0.00003	0.00091	0.103	0.00001
11:56:21.216	-7	0.00003	0.00004	0.00099	0.122	0.000012
11:56:22.216	-7	0.00003	0.00004	0.00108	0.167	0.000016
11:56:23.216	-7	0.00003	0.00003	0.00202	0.523	0.000051
11:56:24.216	-7	0.00003	0.00008	0.00295	1.241	0.000121
11:56:25.216	-7	0.00003	0.00005	0.00268	1.962	0.00019
11:56:26.216	-7	0.00003	0.0001	0.00166	2.206	0.000213
11:56:27.216	-7	0.00003	0.00009	0.00101	1.977	0.000191
11:56:28.216	-7	0.00003	0.00013	0.00105	1.741	0.000169
11:56:29.216	-7	0.00003	0.00012	0.00155	1.654	0.00016
11:56:30.216	-7	0.00003	0.00012	0.00191	1.846	0.000179
11:56:31.216	-7	0.00003	0.00013	0.00225	2.168	0.00021
11:56:32.216	-7	0.00003	0.00012	0.00231	2.547	0.000247
11:56:33.216	-7	0.00003	0.00019	0.0017	2.795	0.00027
11:56:34.216	-7	0.00004	0.00017	0.00138	3.084	0.000298
11:56:35.216	-7	0.00004	0.00023	0.00264	4.199	0.000406
11:56:36.216	-7	0.00005	0.0002	0.00248	4.933	0.000477
11:56:37.216	-7	0.00005	0.00012	0.00227	5.445	0.000526
11:56:38.216	-7	0.00008	0.00017	0.00274	6.394	0.000617
11:56:39.216	-7	0.00012	0.00008	0.00325	6.872	0.000663
11:56:40.216	-7	0.0002	0.00018	0.00278	7.451	0.000719
11:56:41.216	-7	0.00028	0.00009	0.00291	7.895	0.000762
11:56:42.216	-7	0.00039	0.00011	0.00298	8.141	0.000785
11:56:43.216	-7	0.00057	0.00008	0.00338	8.758	0.000845
11:56:44.216	-7	0.00089	0.0001	0.00398	10.263	0.00099
11:56:45.216	-7	0.00189	0.0002	0.00391	11.527	0.001111
11:56:46.216	-7	0.00488	0.00009	0.00358	11.84	0.001142
11:56:47.216	-7	0.00787	0.00022	0.00463	11.801	0.001138
11:56:48.216	-7	0.01028	0.00007	0.00521	11.491	0.001109
11:56:49.216	-7	0.01144	0.00018	0.00558	11.608	0.00112
11:56:50.216	-7	0.01169	0.00012	0.00394	10.755	0.001038
11:56:51.216	-7	0.00644	0.00009	0.00006	5.324	0.000514
11:56:52.216	-7	0.00327	0.00006	0.00238	2.896	0.00028
11:56:53.216	-7	0.00185	0.00003	0.00126	1.858	0.00018
11:56:54.216	-7	0.00082	0.00005	0.001	1.07	0.000104
11:56:55.216	-7	0.0005	0.00003	0.0011	0.81	0.000079
11:56:56.216	-7	0.00032	0.00005	0.00107	0.547	0.000053
11:56:57.216	-7	0.00022	0.00004	0.00098	0.425	0.000041
11:56:58.216	-7	0.00029	0.00004	0.00196	0.959	0.000093
11:56:59.216	-7	0.00035	0.00013	0.00515	2.874	0.000279
11:57:00.216	-7	0.0004	0.00026	0.00584	5.715	0.000553

24.6	1.60E+00	1.100	0.800	0.936	0.676	9.000
24.6	1.60E+00	1.100	0.800	0.934	0.679	8.500
24.7	1.50E+00	1.000	0.800	0.851	0.681	4.000
24.7	1.30E+00	0.800	0.700	0.682	0.597	6.000
24.6	1.20E+00	0.700	0.700	0.597	0.597	2.000
24.6	1.10E+00	0.600	0.700	0.519	0.597	6.300
23.8	1.00E+00	0.500	0.700	0.426	0.597	3.800
23.8	1.00E+00	0.500	0.700	0.426	0.597	5.500
22.7	9.00E-01	0.400	0.700	0.349	0.597	4.600
22.7	9.00E-01	0.400	0.700	0.338	0.591	3.400
22.6	9.00E-01	0.400	0.700	0.331	0.579	8.300
22.7	9.00E-01	0.400	0.700	0.324	0.566	5.000
24.1	9.00E-01	0.400	0.700	0.320	0.560	10.800
24.1	1.00E+00	0.400	0.800	0.321	0.636	10.400
24.4	9.00E-01	0.300	0.800	0.250	0.649	13.900
24.4	9.00E-01	0.300	0.800	0.245	0.653	13.100
24.9	8.00E-01	0.300	0.700	0.244	0.577	11.400
25	8.00E-01	0.300	0.700	0.243	0.566	11.900
26	8.00E-01	0.300	0.700	0.241	0.562	11.000
26	9.00E-01	0.300	0.800	0.240	0.639	16.400
26.8	9.00E-01	0.300	0.800	0.239	0.637	14.200
26.8	9.00E-01	0.300	0.800	0.237	0.633	14.800
26.8	9.00E-01	0.300	0.800	0.236	0.629	12.300
26.8	9.00E-01	0.300	0.800	0.235	0.626	6.800
26.8	1.20E+00	0.800	0.800	0.596	0.623	8.600
26.8	1.80E+00	1.600	0.800	1.210	0.621	4.000
26.7	2.80E+00	2.800	0.800	2.142	0.620	8.400
26.7	3.70E+00	3.900	0.800	3.054	0.619	4.100
26.1	5.10E+00	5.800	0.800	4.504	0.618	4.800
26.1	7.00E+00	8.200	0.800	6.340	0.618	3.400
25.5	9.50E+00	11.500	0.800	8.879	0.616	3.500
25.5	1.83E+01	23.000	0.800	17.666	0.615	6.400
24.5	4.52E+01	58.000	0.800	44.590	0.616	2.700
24.5	7.13E+01	91.600	0.800	70.704	0.617	6.700
24.6	9.41E+01	120.900	0.800	93.468	0.618	2.100
24.6	1.02E+02	131.100	0.800	101.484	0.619	5.400
24.9	1.03E+02	131.100	0.800	102.423	0.625	3.500
24.9	8.76E+01	108.700	0.900	86.910	0.713	4.100
25.3	6.83E+01	83.600	0.900	67.613	0.728	4.300
25.2	4.99E+01	60.100	0.900	49.129	0.735	2.500
22.2	3.03E+01	35.800	0.900	29.524	0.743	6.500
21.8	2.00E+01	23.200	0.900	19.273	0.748	4.600
15	1.37E+01	15.400	0.900	12.928	0.755	6.800
14.5	9.70E+00	10.800	0.800	9.055	0.680	5.200
5.5	7.80E+00	8.600	0.800	7.160	0.669	3.200
5.5	6.50E+00	7.100	0.800	5.825	0.652	7.600
4.8	5.80E+00	6.500	0.800	5.157	0.633	12.400

1304	24.22	0	308.1	285.416437
1303	24.22	0	308.1	277.65808
1295	24.22	0	308.1	269.899724
1280	24.22	0	308.1	262.141368
1254	23.777	0	308.1	256.824535
1225	23.169	0	308.1	251.620074
1195	22.581	0	308.1	246.415613
1191	22.031	21.2	308.1	246.960943
1258	22.039	47.8	308.1	249.654545
1305	22.73	55.9	308.1	252.348148
1318	23.354	55.2	308.808343	258.412619
1313	23.927	31.6	309.403125	265.553278
1308	24.22	34.4	309.6	272.693937
1329	24.22	48.3	309.6	276.2
1366	24.288	43	309.6	276.2
1405	24.851	50.1	309.6	276.2
1458	25.415	57.3	309.6	276.373096
1464	25.911	57.9	309.6	280.700503
1472	26.08	54.9	310.3	285.02791
1486	26.08	55.8	310.3	289.646599
1484	26.08	62.1	310.410615	298.910988
1454	26.577	76	310.969274	308.175377
1440	26.256	79.3	311.688525	317.439766
1432	26.08	84	311.8	331.838119
1428	26.08	81.6	312.794393	347.440735
1426	26.08	80	313.2	363.043351
1422	26.08	81.5	313.2	377.392663
1410	25.955	83.2	313.2	390.902953
1379	25.381	86.5	313.2	404.413242
1359	24.84	89.9	312.830573	418.321256
1341	24.84	88.3	311.553017	433.448311
1334	24.84	87.1	310.280073	448.575366
1341	24.84	86	309.637282	463.702422
1341	24.84	86.7	308.997808	469.659332
1351	24.84	85.8	307.888455	474.608646
1376	25.106	83.9	306.573427	479.557961
1379	25.247	68.7	305.571688	469.127939
1338	24.546	40.5	304.925843	445.961467
1289	22.836	17.3	304.345297	422.794994
1498	21.122	16.6	303.8	400.064689
1263	17.179	2.5	303.755388	380.827649
1033	12.581	17.9	302.999232	361.59061
953	7.82	16.1	302.3	343.133864
827	4.246	28.9	302.3	341.630769
1087	3.507	78.8	301.745272	340.127675
1582	5.854	90.2	300.541429	338.62458
1864	8.305	78.8	301.134431	350.560167

0.6983	0.13864	3.89682	4347.732
0.69834	0.1387	3.89781	4347.987
0.69838	0.13873	3.89855	4348.17
0.69841	0.13877	3.89939	4348.315
0.69844	0.13878	3.90023	4348.439
0.69847	0.13882	3.90111	4348.55
0.69849	0.13885	3.90202	4348.653
0.69852	0.13889	3.90301	4348.775
0.69855	0.13893	3.90409	4348.942
0.69858	0.13896	3.90611	4349.465
0.69861	0.13904	3.90906	4350.706
0.69864	0.13909	3.91174	4352.668
0.69867	0.13919	3.9134	4354.874
0.6987	0.13928	3.91441	4356.851
0.69873	0.13941	3.91546	4358.592
0.69876	0.13953	3.91701	4360.246
0.69879	0.13965	3.91892	4362.092
0.69882	0.13978	3.92117	4364.26
0.69885	0.1399	3.92348	4366.807
0.69888	0.14009	3.92518	4369.602
0.69892	0.14026	3.92656	4372.686
0.69896	0.14049	3.9292	4376.885
0.69901	0.14069	3.93168	4381.818
0.69906	0.14081	3.93395	4387.263
0.69914	0.14098	3.93669	4393.657
0.69926	0.14106	3.93994	4400.529
0.69946	0.14124	3.94272	4407.98
0.69974	0.14133	3.94563	4415.875
0.70013	0.14144	3.94861	4424.016
0.7007	0.14152	3.95199	4432.774
0.70159	0.14162	3.95597	4443.037
0.70348	0.14182	3.95988	4454.564
0.70836	0.14191	3.96346	4466.404
0.71623	0.14213	3.96809	4478.205
0.72651	0.1422	3.9733	4489.696
0.73795	0.14238	3.97888	4501.304
0.74964	0.1425	3.98282	4512.059
0.75608	0.14259	3.98288	4517.383
0.75935	0.14265	3.98526	4520.279
0.7612	0.14268	3.98652	4522.137
0.76202	0.14273	3.98752	4523.207
0.76252	0.14276	3.98862	4524.017
0.76284	0.14281	3.98969	4524.564
0.76306	0.14285	3.99067	4524.989
0.76335	0.14289	3.99263	4525.948
0.7637	0.14302	3.99778	4528.822
0.7641	0.14328	4.00362	4534.537

11:57:01.216	-7	0.00042	0.0004	0.00411	7.123	0.000688
11:57:02.216	-7	0.00041	0.00023	0.00258	6.918	0.000668
11:57:03.216	-7	0.00038	0.00022	0.00291	6.379	0.000616
11:57:04.216	-7	0.0004	0.00018	0.00409	7.316	0.000707
11:57:05.216	-7	0.00049	0.00022	0.00473	9.325	0.000901
11:57:06.216	-7	0.00063	0.00028	0.00503	10.676	0.001032
11:57:07.216	-7	0.00079	0.00013	0.00353	8.313	0.000804
11:57:08.216	-7	0.00091	0.00021	0.00277	7.332	0.000709
11:57:09.216	-7	0.00081	0.00008	0.00288	6.267	0.000606
11:57:10.216	-7	0.00072	0.00014	0.00415	5.824	0.000563
11:57:11.216	-7	0.00055	0.00009	0.00334	5.701	0.000551
11:57:12.216	-7	0.00046	0.00012	0.00285	6.085	0.000588
11:57:13.216	-7	0.00023	0.0001	0.00111	3.551	0.000343
11:57:14.216	-7	0.00017	0.00009	0.0004	2.039	0.000197
11:57:15.216	-7	0.00016	0.00012	0.00077	1.64	0.000159
11:57:16.216	-7	0.00015	0.00009	0.00361	2.945	0.000285
11:57:17.216	-7	0.00018	0.00016	0.00603	5.71	0.000552
11:57:18.216	-7	0.00018	0.00008	0.00497	7.314	0.000706
11:57:19.216	-7	0.00033	0.00009	0.00373	7.767	0.00075
11:57:20.216	-7	0.00042	0.00009	0.00301	6.77	0.000653
11:57:21.216	-7	0.00041	0.00007	0.00271	5.585	0.000539
11:57:22.216	-7	0.00037	0.00007	0.00245	4.854	0.000469
11:57:23.216	-7	0.00026	0	0.00193	3.166	0.000306
11:57:24.216	-7	0.00019	0.00004	0.00063	2.088	0.000202
11:57:25.216	-7	0.00016	0.00003	0.00026	1.205	0.000117
11:57:26.216	-7	0.0001	0.00006	0.00127	0.856	0.000083
11:57:27.216	-7	0.00008	0.00007	0.00303	1.638	0.000159
11:57:28.216	-7	0.00008	0.00005	0.00253	2.311	0.000224
11:57:29.216	-7	0.00008	0.0001	0.00219	2.685	0.00026
11:57:30.216	-7	0.00007	0.00007	0.00184	2.805	0.000271
11:57:31.216	-7	0.00007	0.00012	0.0017	2.874	0.000278
11:57:32.216	-7	0.00007	0.0001	0.00157	2.807	0.000271
11:57:33.216	-7	0.00007	0.0001	0.00139	2.731	0.000264
11:57:34.216	-7	0.00007	0.00012	0.00145	2.691	0.00026
11:57:35.216	-7	0.00007	0.00008	0.00207	2.822	0.000273
11:57:36.216	-7	0.00007	0.00014	0.00234	3.423	0.000331
11:57:37.216	-7	0.00008	0.00008	0.00206	4.136	0.0004
11:57:38.216	-7	0.00008	0.00012	0.00201	4.583	0.000443
11:57:39.216	-7	0.00009	0.00009	0.00285	5.419	0.000523
11:57:40.216	-7	0.0001	0.0001	0.00263	5.905	0.00057
11:57:41.216	-7	0.00015	0.00006	0.00201	5.661	0.000546
11:57:42.216	-7	0.0002	0.00004	0.0022	5.222	0.000504
11:57:43.216	-7	0.0002	0.0001	0.00252	4.972	0.00048
11:57:44.216	-7	0.0002	0.00006	0.0026	4.802	0.000464
11:57:45.216	-7	0.00019	0.00011	0.00245	4.477	0.000433
11:57:46.216	-7	0.00018	0.0001	0.00239	4.203	0.000406
11:57:47.216	-7	0.00018	0.00012	0.00242	4.178	0.000404

5	5.60E+00	6.300	0.900	4.920	0.699	18.000
10	5.60E+00	6.200	0.900	4.853	0.704	10.500
10.2	5.30E+00	5.800	0.900	4.575	0.707	10.400
14.2	5.00E+00	5.400	0.900	4.248	0.707	7.100
14.4	4.80E+00	5.300	0.800	4.158	0.628	7.100
18.3	5.20E+00	5.900	0.700	4.606	0.551	7.600
18.5	7.70E+00	9.000	0.700	7.146	0.555	4.100
23.7	9.80E+00	11.700	0.700	9.278	0.555	7.600
24	1.06E+01	12.700	0.700	10.037	0.554	3.500
29	1.05E+01	12.600	0.700	9.942	0.552	6.800
29.1	8.70E+00	10.400	0.700	8.187	0.549	4.500
32.1	7.00E+00	8.300	0.700	6.491	0.548	6.200
32.2	5.60E+00	6.400	0.700	5.067	0.551	8.300
33.3	4.70E+00	5.100	0.700	4.166	0.567	8.700
33.3	3.80E+00	3.900	0.700	3.187	0.578	9.400
32.7	2.90E+00	2.900	0.600	2.377	0.494	5.500
32.7	2.50E+00	2.600	0.600	2.065	0.475	7.700
33.4	2.50E+00	2.600	0.600	2.020	0.466	3.700
33.5	4.40E+00	5.100	0.600	3.914	0.464	4.100
34.6	6.20E+00	7.300	0.600	5.687	0.466	4.300
34.6	6.80E+00	8.100	0.600	6.332	0.470	3.700
34.6	6.80E+00	8.100	0.600	6.363	0.471	4.000
34.6	6.60E+00	7.700	0.600	6.122	0.475	-0.200
34.5	5.70E+00	6.500	0.600	5.207	0.484	4.300
34.4	4.80E+00	5.200	0.600	4.271	0.497	3.000
32.2	3.00E+00	3.000	0.600	2.509	0.502	5.500
32.3	2.30E+00	2.200	0.600	1.816	0.492	6.100
34.3	2.10E+00	2.000	0.600	1.618	0.484	4.900
34.3	2.10E+00	2.000	0.700	1.597	0.552	9.100
34.8	2.00E+00	1.800	0.700	1.439	0.557	6.000
34.8	1.90E+00	1.700	0.700	1.359	0.557	10.800
34.9	1.90E+00	1.700	0.700	1.350	0.556	9.600
34.9	1.90E+00	1.600	0.800	1.271	0.635	9.600
34.8	1.80E+00	1.500	0.800	1.196	0.638	10.800
34.7	1.80E+00	1.400	0.800	1.118	0.639	6.900
33.1	1.70E+00	1.300	0.800	1.033	0.636	10.300
33.1	1.60E+00	1.200	0.800	0.951	0.630	5.600
33.1	1.60E+00	1.200	0.800	0.943	0.629	7.800
33	1.60E+00	1.200	0.800	0.938	0.625	5.100
32	1.80E+00	1.500	0.800	1.152	0.621	5.900
32	2.70E+00	2.600	0.900	1.981	0.699	3.400
32.1	3.60E+00	3.800	0.900	2.946	0.702	2.600
32.1	3.80E+00	4.000	0.900	3.129	0.704	6.400
31.8	3.80E+00	4.000	0.900	3.131	0.704	4.000
31.8	3.80E+00	4.000	0.900	3.134	0.705	7.800
32.2	3.90E+00	4.000	0.900	3.145	0.708	7.000
32.2	3.90E+00	4.000	0.900	3.149	0.709	8.300

1861	10.164	72.8	301.6	369.700209
1782	12.28	72.6	301.881918	388.840251
1860	14.11	72.1	302.520182	404.805559
2053	16.557	79.6	303.155573	413.433237
2295	19.364	72.1	303.787984	422.060915
2571	22.213	59.7	304.43	430.688593
2206	24.939	63	307.086486	431.186815
2052	27.391	68.8	308.4704	430.227869
1894	29.395	73.8	309.310786	429.268924
1691	30.852	77.9	309.953875	427.218296
1737	31.962	80	310.94986	424.122985
1754	32.91	60.3	311.8	421.027674
1607	32.832	10.3	312.25262	414.627788
1288	32.29	22.4	313.2	398.207579
1373	32.29	75.5	313.2	381.787369
1352	32.845	84.8	313.229954	365.438222
1352	33.345	81.5	313.960548	384.549472
1370	33.899	84	314.524307	403.660721
1388	34.548	79.7	315.256577	422.77197
1397	34.78	77.5	316.040889	424.927975
1396	34.78	77.7	316.687599	422.412638
1387	34.495	42.2	317.323818	419.897301
1361	33.723	6.4	318.423273	408.005786
1326	32.76	13.8	319.2	387.596981
1339	32.43	49.5	319.2	367.188176
1407	33.021	61.5	319.2	353.883902
1413	33.513	54.1	319.2	354.127805
1423	34.126	53	319.283665	354.371707
1439	34.746	53.4	320	354.56742
1454	34.78	56.5	320.170376	354.058352
1472	34.78	56.9	320.7	353.549284
1416	34.78	42.1	320.7	353.040216
1419	33.919	49.6	321.319503	350.71513
1421	33.172	58.9	321.4	348.234273
1394	32.91	60.9	321.4	345.753415
1359	32.645	62.3	321.4	348.698707
1338	32.29	69.1	321.732695	354.489418
1348	32.161	80.1	322.361318	360.280129
1361	31.67	84.8	323.087898	367.550505
1291	31.67	77.9	323.856449	379.166667
1318	31.67	73	325.1008	390.782828
1338	31.073	74.1	325.88724	401.35895
1323	31.562	74.8	326.564246	400.881623
1329	31.67	74.9	327.122905	400.404296
1366	32.073	62.4	327.2	399.926969
1359	32.29	64.7	327.2	399.574639
1332	32.29	76.7	327.2	399.267608

0.76452	0.14368	4.00773	4541.66
0.76493	0.14391	4.01031	4548.578
0.76531	0.14413	4.01322	4554.957
0.76571	0.14431	4.01731	4562.273
0.7662	0.14453	4.02204	4571.598
0.76683	0.14481	4.02707	4582.274
0.76762	0.14494	4.0306	4590.587
0.76853	0.14515	4.03337	4597.919
0.76934	0.14523	4.03625	4604.186
0.77006	0.14537	4.0404	4610.01
0.77061	0.14546	4.04374	4615.711
0.77107	0.14558	4.04659	4621.796
0.7713	0.14568	4.0477	4625.347
0.77147	0.14577	4.0481	4627.386
0.77163	0.14589	4.04887	4629.026
0.77178	0.14598	4.05248	4631.971
0.77196	0.14614	4.05851	4637.681
0.77214	0.14622	4.06348	4644.995
0.77247	0.14631	4.06721	4652.762
0.77289	0.1464	4.07022	4659.532
0.7733	0.14647	4.07293	4665.117
0.77367	0.14654	4.07538	4669.971
0.77393	0.14654	4.07731	4673.137
0.77412	0.14658	4.07794	4675.225
0.77428	0.14661	4.0782	4676.43
0.77438	0.14667	4.07947	4677.286
0.77446	0.14674	4.0825	4678.924
0.77454	0.14679	4.08503	4681.235
0.77462	0.14689	4.08722	4683.92
0.77469	0.14696	4.08906	4686.725
0.77476	0.14708	4.09076	4689.599
0.77483	0.14718	4.09233	4692.406
0.7749	0.14728	4.09372	4695.137
0.77497	0.1474	4.09517	4697.828
0.77504	0.14748	4.09724	4700.65
0.77511	0.14762	4.09958	4704.073
0.77519	0.1477	4.10164	4708.209
0.77527	0.14782	4.10365	4712.792
0.77536	0.14791	4.1065	4718.211
0.77546	0.14801	4.10913	4724.116
0.77561	0.14807	4.11114	4729.777
0.77581	0.14811	4.11334	4734.999
0.77601	0.14821	4.11586	4739.971
0.77621	0.14827	4.11846	4744.773
0.7764	0.14838	4.12091	4749.25
0.77658	0.14848	4.1233	4753.453
0.77676	0.1486	4.12572	4757.631

11:57:48.216	-7	0.00017	0.00013	0.00223	4.279	0.000413
11:57:49.216	-7	0.00017	0.00009	0.0021	4.561	0.00044
11:57:50.216	-7	0.00017	0.00014	0.00205	4.797	0.000463
11:57:51.216	-7	0.00017	0.00009	0.00186	4.916	0.000474
11:57:52.216	-7	0.00015	0.00016	0.00165	4.916	0.000474
11:57:53.216	-7	0.00013	0.0001	0.0017	4.432	0.000428
11:57:54.216	-7	0.00012	0.00014	0.0017	4.138	0.0004
11:57:55.216	-7	0.00012	0.00012	0.00195	4.022	0.000389
11:57:56.216	-7	0.00012	0.0001	0.00223	4.034	0.00039
11:57:57.216	-7	0.00012	0.00016	0.00225	4.066	0.000393
11:57:58.216	-7	0.00012	0.0001	0.00234	4.252	0.000411
11:57:59.216	-7	0.00012	0.00016	0.00242	4.471	0.000432
11:58:00.216	-7	0.00012	0.00011	0.00229	4.677	0.000452
11:58:01.216	-7	0.00012	0.00015	0.00213	5.008	0.000484
11:58:02.216	-7	0.00012	0.00012	0.00181	4.868	0.00047
11:58:03.216	-7	0.00009	0.00008	0.00113	3.489	0.000337
11:58:04.216	-7	0.00008	0.0001	0.00039	2.329	0.000225
11:58:05.216	-7	0.00008	0.00007	0.0002	1.332	0.000129
11:58:06.216	-7	0.00007	0.00009	0.00069	0.69	0.000067
11:58:07.216	-7	0.00006	0.00005	0.0011	0.464	0.000045
11:58:08.216	-7	0.00006	0.00007	0.00156	0.641	0.000062
11:58:09.216	-7	0.00005	0.00008	0.00247	1.096	0.000106
11:58:10.216	-7	0.00005	0.00008	0.00254	1.517	0.000147
11:58:11.216	-7	0.00005	0.00014	0.00167	1.722	0.000167
11:58:12.216	-7	0.00005	0.0001	0.00133	1.782	0.000173
11:58:13.216	-7	0.00005	0.00014	0.00161	1.806	0.000175
11:58:14.216	-7	0.00005	0.00012	0.00214	2.008	0.000194
11:58:15.216	-7	0.00006	0.00017	0.00214	2.329	0.000226
11:58:16.216	-7	0.00005	0.00013	0.00182	2.358	0.000228
11:58:17.216	-7	0.00004	0.00009	0.00131	2.075	0.000201
11:58:18.216	-7	0.00004	0.00011	0.0008	1.77	0.000171
11:58:19.216	-7	0.00004	0.00009	0.00036	1.044	0.000101
11:58:20.216	-7	0.00005	0.00011	0.00066	0.617	0.00006
11:58:21.216	-7	0.00005	0.00007	0.00238	0.839	0.000082
11:58:22.216	-7	0.00006	0.00015	0.00577	2.466	0.000239
11:58:23.216	-7	0.00009	0.0002	0.00731	6.137	0.000594
11:58:24.216	-7	0.00031	0.00019	0.00571	7.434	0.000718
11:58:25.216	-7	0.00057	0.0001	0.00191	4.216	0.000408
11:58:26.216	-7	0.00048	0.00004	0.00013	1.514	0.000147
11:58:27.216	-7	0.00034	0.00006	0.00043	0.693	0.000067
11:58:28.216	-7	0.00019	0.00004	0.00069	0.418	0.000041
11:58:29.216	-7	0.00012	0.00005	0.00201	0.685	0.000067
11:58:30.216	-7	0.0001	0.00005	0.0028	1.334	0.00013
11:58:31.216	-7	0.00008	0.00007	0.00264	1.84	0.000178
11:58:32.216	-7	0.00007	0.00015	0.00206	2.079	0.000201
11:58:33.216	-7	0.00007	0.00014	0.00159	1.933	0.000187
11:58:34.216	-7	0.00006	0.00018	0.00173	1.788	0.000173

32.1	3.70E+00	3.800	0.900	2.988	0.706	9.000
32.2	3.50E+00	3.600	0.900	2.815	0.694	6.300
33.3	3.50E+00	3.600	0.900	2.796	0.699	9.500
33.3	3.40E+00	3.500	0.900	2.717	0.699	6.000
32.3	3.10E+00	3.100	0.900	2.427	0.699	10.800
32.3	2.80E+00	2.700	0.900	2.108	0.701	7.300
32	2.70E+00	2.600	0.900	2.031	0.703	10.300
32	2.70E+00	2.600	0.900	2.039	0.706	8.900
32.3	2.70E+00	2.500	0.900	1.960	0.706	7.500
32.3	2.70E+00	2.500	0.900	1.961	0.706	11.900
32.7	2.60E+00	2.400	0.900	1.887	0.706	7.000
32.8	2.50E+00	2.300	0.900	1.806	0.704	11.200
33.8	2.40E+00	2.200	0.900	1.717	0.703	7.800
33.8	2.40E+00	2.200	0.900	1.712	0.701	9.600
33.6	2.50E+00	2.300	0.900	1.787	0.699	8.400
33.6	2.50E+00	2.300	0.900	1.797	0.703	7.600
33.8	2.60E+00	2.300	0.900	1.836	0.718	10.800
33.7	2.60E+00	2.300	0.900	1.887	0.738	8.000
32.9	2.40E+00	1.900	0.900	1.609	0.754	11.100
32.9	2.00E+00	1.600	0.800	1.357	0.681	6.200
32.5	1.90E+00	1.500	0.800	1.259	0.678	7.600
32.5	1.70E+00	1.300	0.800	1.081	0.662	8.800
33.1	1.60E+00	1.100	0.900	0.900	0.733	9.000
33.1	1.60E+00	1.000	0.900	0.820	0.732	14.700
33.4	1.50E+00	1.000	0.900	0.811	0.730	11.000
33.3	1.50E+00	1.000	0.900	0.811	0.730	14.500
32.5	1.50E+00	1.000	0.900	0.811	0.730	11.200
32.5	1.50E+00	1.000	0.900	0.807	0.726	15.300
31.4	1.50E+00	1.000	0.900	0.798	0.718	13.000
31.3	1.40E+00	0.900	0.900	0.717	0.717	11.400
29.6	1.50E+00	0.900	0.900	0.726	0.726	12.800
29.4	1.50E+00	0.900	0.900	0.745	0.745	10.500
26.1	1.50E+00	0.900	0.900	0.758	0.758	11.500
26	1.30E+00	0.800	0.800	0.677	0.671	6.900
24.2	1.20E+00	0.700	0.800	0.571	0.653	10.000
24.2	1.20E+00	0.700	0.800	0.555	0.634	8.700
24.2	4.00E+00	4.200	0.900	3.264	0.701	7.800
24.2	1.02E+01	11.900	0.900	9.511	0.717	6.200
25.4	1.23E+01	14.000	0.900	11.546	0.744	3.000
25.3	1.02E+01	11.200	0.900	9.447	0.757	6.400
22.7	6.40E+00	6.700	0.900	5.650	0.762	4.200
22.6	4.00E+00	4.000	0.800	3.335	0.672	5.800
21.6	3.00E+00	2.800	0.800	2.342	0.660	5.200
21.6	2.50E+00	2.100	0.900	1.731	0.726	6.900
21.4	2.10E+00	1.700	0.900	1.390	0.729	13.800
21.4	2.00E+00	1.500	0.900	1.224	0.731	13.900
21.7	1.90E+00	1.400	0.900	1.147	0.733	17.900

1330	32.29	82.5	327.2	398.960577
1348	32.29	79.8	327.2	400.735877
1345	32.021	78	327.2	404.794318
1336	31.67	76.1	327.2	408.85276
1334	31.67	72.5	327.2	409.864507
1322	31.67	63.8	327.2	406.248655
1332	31.67	66.3	327.2	402.632803
1338	31.67	65.9	327.2	399.016951
1352	32.074	65.9	327.2	397.272005
1366	32.652	66.7	326.668862	395.646478
1380	33.247	72.4	326.5	394.020951
1387	33.53	77.8	326.08	395.759257
1398	33.53	79.3	325.8	399.576824
1421	33.838	77.7	325.8	403.394392
1402	34.16	42.6	325.8	393.283019
1360	33.883	8.8	325.290271	375.931985
1324	33.087	0	325	358.580951
1300	32.29	7.9	324.419636	344.475215
1301	32.29	26.5	323.386644	334.869523
1302	32.29	36.6	322.763273	325.26383
1349	32.29	44.7	322.1	316.024004
1364	32.782	43	322.047815	314.371914
1369	32.91	43.4	321.447986	312.719825
1365	32.91	42.5	321.4	311.067736
1372	32.466	44.8	321.4	310.149511
1348	31.877	44.6	321.4	309.262661
1347	31.295	55.2	321.4	308.37581
1294	30.77	43.9	321.4	305.899425
1211	30.067	17.8	321.4	302.705557
1196	28.62	0	321.4	299.51169
1329	26.765	0	321.4	293.429333
1373	25.374	14.7	321.4	285.058963
1401	24.396	49.7	320.777524	276.688593
1380	23.791	57.7	320.7	285.670259
1354	23.6	79.1	321.25384	297.523707
1351	24.262	82	321.4	309.377155
1356	24.84	45.5	321.81639	312.10559
1333	24.432	7.2	322.518692	309
1257	23.143	0	323.280688	305.89441
1196	22.128	19.6	323.187287	302.565974
1190	21.532	44.1	322.9	299.055946
1430	21.11	48.3	322.9	295.545917
1593	21.11	50.2	322.9	294.281126
1589	21.11	41.3	322.9	293.729249
1613	21.11	41.6	322.835273	293.011716
1545	21.11	32.5	322.108	288.419429
1533	21.11	34.1	322.1	283.827142

0.77693	0.14873	4.12795	4761.91
0.7771	0.14882	4.13005	4766.471
0.77727	0.14896	4.1321	4771.268
0.77744	0.14905	4.13396	4776.184
0.77759	0.14921	4.13561	4781.1
0.77772	0.14931	4.13731	4785.532
0.77784	0.14945	4.13901	4789.67
0.77796	0.14957	4.14096	4793.692
0.77808	0.14967	4.14319	4797.726
0.7782	0.14983	4.14544	4801.792
0.77832	0.14993	4.14778	4806.044
0.77844	0.15009	4.1502	4810.515
0.77856	0.1502	4.15249	4815.192
0.77868	0.15035	4.15462	4820.2
0.7788	0.15047	4.15643	4825.068
0.77889	0.15055	4.15756	4828.557
0.77897	0.15065	4.15795	4830.886
0.77905	0.15072	4.15815	4832.218
0.77912	0.15081	4.15884	4832.908
0.77918	0.15086	4.15994	4833.372
0.77924	0.15093	4.1615	4834.013
0.77929	0.15101	4.16397	4835.109
0.77934	0.15109	4.16651	4836.626
0.77939	0.15123	4.16818	4838.348
0.77944	0.15133	4.16951	4840.13
0.77949	0.15147	4.17112	4841.936
0.77954	0.15159	4.17326	4843.944
0.7796	0.15176	4.1754	4846.273
0.77965	0.15189	4.17722	4848.631
0.77969	0.15198	4.17853	4850.706
0.77973	0.15209	4.17933	4852.476
0.77977	0.15218	4.17969	4853.52
0.77982	0.15229	4.18035	4854.137
0.77987	0.15236	4.18273	4854.976
0.77993	0.15251	4.1885	4857.442
0.78002	0.15271	4.19581	4863.579
0.78033	0.1529	4.20152	4871.013
0.7809	0.153	4.20343	4875.229
0.78138	0.15304	4.20356	4876.743
0.78172	0.1531	4.20399	4877.436
0.78191	0.15314	4.20468	4877.854
0.78203	0.15319	4.20669	4878.539
0.78213	0.15324	4.20949	4879.873
0.78221	0.15331	4.21213	4881.713
0.78228	0.15346	4.21419	4883.792
0.78235	0.1536	4.21578	4885.725
0.78241	0.15378	4.21751	4887.513

11:58:35.216	-7	0.00006	0.00011	0.00183	1.564	0.000152
11:58:36.216	-7	0.00005	0.00012	0.00164	1.365	0.000132
11:58:37.216	-7	0.00005	0.00008	0.00176	1.428	0.000138
11:58:38.216	-7	0.00005	0.00009	0.00238	1.509	0.000146
11:58:39.216	-7	0.00005	0.00012	0.00342	2.304	0.000223
11:58:40.216	-7	0.00005	0.00015	0.00245	3.102	0.0003
11:58:41.216	-7	0.00006	0.00022	0.0026	3.561	0.000344
11:58:42.216	-7	0.00007	0.00019	0.00273	4.406	0.000426
11:58:43.216	-7	0.00008	0.00026	0.00356	6.037	0.000584
11:58:44.216	-7	0.00009	0.00017	0.00369	6.883	0.000665
11:58:45.216	-7	0.0001	0.00013	0.00202	5.571	0.000538
11:58:46.216	-7	0.00011	0.00014	0.00181	4.601	0.000445
11:58:47.216	-7	0.0001	0.00008	0.00122	3.828	0.00037
11:58:48.216	-7	0.0001	0.0001	0.00136	3.455	0.000334
11:58:49.216	-7	0.0001	0.00007	0.00207	3.421	0.000331
11:58:50.216	-7	0.00009	0.00013	0.00261	3.593	0.000347
11:58:51.216	-7	0.00009	0.00011	0.00217	3.658	0.000354
11:58:52.216	-7	0.00009	0.00011	0.00184	3.505	0.000339
11:58:53.216	-7	0.00008	0.00015	0.00151	3.055	0.000295
11:58:54.216	-7	0.00007	0.00015	0.00091	2.562	0.000248
11:58:55.216	-7	0.00007	0.0002	0.00104	2.43	0.000235
11:58:56.216	-7	0.00007	0.00018	0.00187	2.885	0.000279
11:58:57.216	-7	0.00007	0.00025	0.00236	3.516	0.00034
11:58:58.216	-7	0.00007	0.00018	0.00242	3.941	0.000381
11:58:59.216	-7	0.00007	0.00016	0.00204	4.145	0.000401
11:59:00.216	-7	0.00007	0.00014	0.00194	4.234	0.000409
11:59:01.216	-7	0.00009	0.00012	0.00213	5.102	0.000493
11:59:02.216	-7	0.0001	0.00019	0.0025	6.162	0.000595
11:59:03.216	-7	0.0001	0.00007	0.00326	6.291	0.000608
11:59:04.216	-7	0.00012	0.00016	0.00295	6.307	0.000609
11:59:05.216	-7	0.00013	0.0001	0.00234	6.255	0.000604
11:59:06.216	-7	0.00015	0.00015	0.00241	6.267	0.000605
11:59:07.216	-7	0.00015	0.00016	0.0026	6.414	0.000619
11:59:08.216	-7	0.00015	0.0001	0.00258	6.367	0.000615
11:59:09.216	-7	0.00016	0.00017	0.00262	6.448	0.000623
11:59:10.216	-7	0.00016	0.00007	0.00265	6.536	0.000631
11:59:11.216	-7	0.00016	0.00015	0.00282	6.097	0.000589
11:59:12.216	-7	0.00014	0.00009	0.00176	4.66	0.00045
11:59:13.216	-7	0.00011	0.00009	0.00056	2.477	0.00024
11:59:14.216	-7	0.0001	0.00008	0	1.133	0.00011
11:59:15.216	-7	0.00007	0.00002	0.00009	0.529	0.000051
11:59:16.216	-7	0.00005	0.00004	0.00064	0.303	0.000029
11:59:17.216	-7	0.00004	0.00002	0.00077	0.204	0.00002
11:59:18.216	-7	0.00003	0.00004	0.00084	0.18	0.000018
11:59:19.216	-7	0.00002	0.00003	0.00082	0.207	0.00002
11:59:20.216	-7	0.00002	0.00004	0.00092	0.299	0.000029
11:59:21.216	-7	0.00002	0.00004	0.00125	0.409	0.00004

21.7	1.80E+00	1.300	0.900	1.072	0.737	11.200
21.6	1.60E+00	1.100	0.800	0.919	0.659	12.100
21.5	1.40E+00	0.900	0.800	0.749	0.660	7.100
20.4	1.30E+00	0.800	0.800	0.661	0.661	7.600
20.4	1.30E+00	0.800	0.800	0.650	0.650	9.300
20.9	1.20E+00	0.800	0.700	0.642	0.567	10.700
21	1.20E+00	0.800	0.700	0.637	0.558	15.200
22	1.20E+00	0.800	0.700	0.635	0.555	11.400
22	1.20E+00	0.800	0.700	0.632	0.553	12.200
22.9	1.30E+00	0.900	0.700	0.705	0.548	7.600
23.1	1.70E+00	1.500	0.700	1.162	0.548	7.300
25.7	2.00E+00	1.900	0.700	1.485	0.552	8.500
25.8	2.10E+00	2.000	0.700	1.589	0.556	5.300
27.3	2.20E+00	2.000	0.700	1.594	0.558	7.000
27.4	2.10E+00	2.000	0.700	1.592	0.557	4.900
28.7	2.10E+00	2.000	0.700	1.585	0.555	9.900
28.8	2.10E+00	2.000	0.700	1.580	0.553	8.200
29.9	2.10E+00	2.000	0.700	1.577	0.552	9.300
29.9	2.10E+00	1.900	0.700	1.510	0.554	13.700
30.5	1.90E+00	1.700	0.700	1.371	0.559	14.000
30.5	1.80E+00	1.500	0.700	1.218	0.565	17.700
30.5	1.70E+00	1.400	0.700	1.126	0.563	13.800
30.5	1.60E+00	1.300	0.700	1.036	0.558	17.900
30.4	1.50E+00	1.200	0.700	0.957	0.554	12.700
30.4	1.50E+00	1.200	0.700	0.947	0.553	10.700
30.4	1.50E+00	1.200	0.700	0.947	0.552	9.100
30.4	1.50E+00	1.200	0.700	0.945	0.551	6.600
30.8	1.50E+00	1.200	0.700	0.939	0.548	9.600
30.9	1.50E+00	1.200	0.700	0.938	0.547	3.600
32	1.80E+00	1.600	0.700	1.222	0.547	7.900
32	1.90E+00	1.800	0.700	1.398	0.547	5.200
32.9	2.20E+00	2.200	0.700	1.702	0.547	7.500
32.9	2.30E+00	2.200	0.700	1.718	0.547	7.800
33.9	2.30E+00	2.200	0.700	1.718	0.547	5.000
33.9	2.40E+00	2.300	0.800	1.796	0.625	8.200
33.7	2.40E+00	2.300	0.800	1.796	0.625	3.400
33.7	2.50E+00	2.400	0.800	1.870	0.626	7.600
33.8	2.60E+00	2.500	0.800	1.968	0.633	5.400
33.7	2.70E+00	2.600	0.800	2.099	0.648	7.400
31.2	2.70E+00	2.500	0.800	2.083	0.667	7.100
31	2.30E+00	2.000	0.700	1.710	0.591	2.300
27.3	1.80E+00	1.400	0.700	1.210	0.594	5.100
27	1.60E+00	1.200	0.700	1.028	0.596	2.600
19.6	1.50E+00	1.000	0.700	0.866	0.596	6.100
19.3	1.30E+00	0.800	0.700	0.687	0.594	4.500
11.3	1.20E+00	0.700	0.700	0.598	0.591	6.500
11.1	1.20E+00	0.700	0.700	0.589	0.589	6.000

1519	20.76	35.4	322.1	279.234854
1508	20.232	38.9	322.1	277.974201
1539	20.021	46.8	322.1	278.555259
1618	20.49	55.7	321.886789	279.136316
1650	20.531	55.8	321.4	281.478798
1694	21.022	56.4	321.4	290.77978
1726	21.57	55.5	321.4	300.080763
1815	22.142	73.1	321.4	309.381745
1930	23.286	77.4	321.4	323.863575
1990	24.644	74.9	321.0136	340.165704
1846	25.621	68.3	320.417172	356.467833
1542	26.285	56.5	319.743092	366.200089
1558	27.335	54.4	318.845665	361.377225
1570	27.91	56.6	317.473297	356.554361
1595	28.475	64.1	316.110899	351.731497
1633	29.461	64.7	315.406294	351.734338
1667	29.81	63.2	314.80095	351.980492
1652	30.194	46	313.55367	352.226646
1652	30.121	42.9	312.250046	346.559398
1674	29.81	54.8	310.982506	338.381902
1681	29.81	61.5	309.928984	330.204406
1665	29.81	60.5	309.6	328.857464
1662	29.81	64.6	308.986017	333.16727
1676	29.904	64.4	307.866667	337.477077
1691	30.43	65.3	306.541782	341.769316
1697	30.43	68.4	304.951111	346.028203
1726	30.53	75.9	304.263818	350.287089
1699	31.192	75.2	303.8	357.371989
1721	31.788	75.1	303.43549	369.416036
1749	32.29	76.1	302.68315	381.460083
1776	32.466	77.1	301.951041	390.607548
1802	33.009	77.8	301.010032	396.313343
1820	33.53	78.3	300.1	402.019138
1833	33.53	77.6	300.012182	407.506489
1824	33.53	77	299.4	410.837891
1815	33.53	75.7	299.4	414.169293
1791	33.177	59.7	298.971818	417.500695
1726	31.866	26.3	299.177064	400.038848
1630	29.939	0	299.1144	370.880798
1522	28.053	0	298.8	341.722747
1401	25.579	0	298.594985	317.07177
1203	21.813	0.6	298.1	305.588517
1117	16.728	11.4	298.1	294.105263
1043	12.61	20.5	298.1	282.62201
1059	10.526	21.9	298.1	278.068992
995	8.865	21.2	297.582661	274.193023
872	7.168	27.6	297.4	270.317054

0.78247	0.15389	4.21934	4889.077
0.78252	0.15401	4.22098	4890.442
0.78257	0.15409	4.22274	4891.87
0.78262	0.15418	4.22512	4893.379
0.78267	0.1543	4.22854	4895.683
0.78272	0.15445	4.23099	4898.785
0.78278	0.15467	4.23359	4902.346
0.78285	0.15486	4.23632	4906.752
0.78293	0.15512	4.23988	4912.789
0.78302	0.15529	4.24357	4919.672
0.78312	0.15542	4.24559	4925.243
0.78323	0.15556	4.2474	4929.844
0.78333	0.15564	4.24862	4933.672
0.78343	0.15574	4.24998	4937.127
0.78353	0.15581	4.25205	4940.548
0.78362	0.15594	4.25466	4944.141
0.78371	0.15605	4.25683	4947.799
0.7838	0.15616	4.25867	4951.304
0.78388	0.15631	4.26018	4954.359
0.78395	0.15646	4.26109	4956.921
0.78402	0.15666	4.26213	4959.351
0.78409	0.15684	4.264	4962.236
0.78416	0.15709	4.26636	4965.752
0.78423	0.15727	4.26878	4969.693
0.7843	0.15743	4.27082	4973.838
0.78437	0.15757	4.27276	4978.072
0.78446	0.15769	4.27489	4983.174
0.78456	0.15788	4.27739	4989.336
0.78466	0.15795	4.28065	4995.627
0.78478	0.15811	4.2836	5001.934
0.78491	0.15821	4.28594	5008.189
0.78506	0.15836	4.28835	5014.456
0.78521	0.15852	4.29095	5020.87
0.78536	0.15862	4.29353	5027.237
0.78552	0.15879	4.29615	5033.685
0.78568	0.15886	4.2988	5040.221
0.78584	0.15901	4.30162	5046.318
0.78598	0.1591	4.30338	5050.978
0.78609	0.15919	4.30394	5053.455
0.78619	0.15927	4.30394	5054.588
0.78626	0.15929	4.30403	5055.117
0.78631	0.15933	4.30467	5055.42
0.78635	0.15935	4.30544	5055.624
0.78638	0.15939	4.30628	5055.804
0.7864	0.15942	4.3071	5056.011
0.78642	0.15946	4.30802	5056.31
0.78644	0.1595	4.30927	5056.719

11:59:22.216	-7	0.00002	0.00003	0.001	0.516	0.00005
11:59:23.216	-7	0.00002	0.00005	0.00099	0.589	0.000057
11:59:24.216	-7	0.00002	0.00002	0.00093	0.663	0.000064
11:59:25.216	-7	0.00003	0.00004	0.00113	0.745	0.000072
11:59:26.216	-7	0.00003	0.00002	0.00137	0.803	0.000078
11:59:27.216	-7	0.00002	0.00004	0.00125	0.87	0.000084
11:59:28.216	-7	0.00002	0.00005	0.00103	0.958	0.000093
11:59:29.216	-7	0.00002	0.00007	0.00101	1.047	0.000102
11:59:30.216	-7	0.00002	0.00006	0.00123	1.107	0.000107
11:59:31.216	-7	0.00002	0.00004	0.00133	1.136	0.00011
11:59:32.216	-7	0.00002	0.00006	0.00122	1.156	0.000112
11:59:33.216	-7	0.00002	0.00004	0.00112	1.15	0.000111
11:59:34.216	-7	0.00002	0.00005	0.00112	1.145	0.000111
11:59:35.216	-7	0.00002	0.00005	0.00112	1.154	0.000112
11:59:36.216	-7	0.00002	0.00003	0.00105	1.156	0.000112
11:59:37.216	-7	0.00002	0.00005	0.001	1.15	0.000111
11:59:38.216	-7	0.00002	0.00003	0.001	1.158	0.000112
11:59:39.216	-7	0.00002	0.00005	0.001	1.161	0.000112
11:59:40.216	-7	0.00002	0.00003	0.00099	1.17	0.000113
11:59:41.216	-7	0.00002	0.00004	0.00099	1.178	0.000114
11:59:42.216	-7	0.00002	0.00004	0.001	1.187	0.000115
11:59:43.216	-7	0.00002	0.00003	0.00099	1.181	0.000114
11:59:44.216	-7	0.00002	0.00005	0.00103	1.168	0.000113
11:59:45.216	-7	0.00002	0.00003	0.00112	1.168	0.000113
11:59:46.216	-7	0.00002	0.00006	0.00112	1.164	0.000113
11:59:47.216	-7	0.00002	0.00003	0.00112	1.166	0.000113
11:59:48.216	-7	0.00002	0.00005	0.00112	1.168	0.000113
11:59:49.216	-7	0.00002	0.00004	0.00112	1.163	0.000113
11:59:50.216	-7	0.00002	0.00003	0.00112	1.164	0.000113
11:59:51.216	-7	0.00002	0.00005	0.00112	1.166	0.000113
11:59:52.216	-7	0.00002	0.00002	0.00112	1.166	0.000113
11:59:53.216	-7	0.00002	0.00002	0.00112	1.171	0.000113
11:59:54.216	-7	0.00002	0.00001	0.00112	1.165	0.000113
11:59:55.216	-7	0.00002	0.00003	0.00112	1.164	0.000113
11:59:56.216	-7	0.00002	0.00003	0.00112	1.167	0.000113
11:59:57.216	-7	0.00002	0.00003	0.00112	1.164	0.000113
11:59:58.216	-7	0.00002	0.00004	0.00112	1.165	0.000113
11:59:59.216	-7	0.00002	0.00002	0.00112	1.165	0.000113
12:00:00.216	-7	0.00002	0.00005	0.00112	1.161	0.000112
12:00:01.216	-7	0.00002	0.00002	0.00112	1.164	0.000113
12:00:02.216	-7	0.00002	0.00003	0.00113	1.171	0.000113
12:00:03.216	-7	0.00002	0.00003	0.00112	1.17	0.000113
12:00:04.216	-7	0.00002	0.00003	0.00112	1.162	0.000113
12:00:05.216	-7	0.00002	0.00005	0.00113	1.175	0.000114
12:00:06.216	-7	0.00002	0.00002	0.00113	1.177	0.000114
12:00:07.216	-7	0.00002	0.00005	0.00113	1.178	0.000114
12:00:08.216	-7	0.00002	0.00002	0.00113	1.174	0.000114

8.4	1.20E+00	0.600	0.800	0.502	0.662	5.400	816	5.744	31.9	297.4	268.367224
8.2	1.20E+00	0.600	0.800	0.501	0.668	7.800	808	4.5	33.5	297.06757	267.949313
5.3	1.20E+00	0.600	0.800	0.500	0.666	3.800	753	3.008	39.2	296.7	267.531403
5.2	1.20E+00	0.600	0.800	0.498	0.664	6.500	789	2.433	38.4	296.7	267.69028
3.2	1.20E+00	0.600	0.800	0.497	0.662	3.700	787	1.899	40.4	296.7	270.058782
3.1	1.20E+00	0.600	0.800	0.495	0.660	5.400	782	1.86	40.8	296.7	272.427284
2.2	1.10E+00	0.500	0.800	0.411	0.657	7.400	783	1.343	42.2	296.1024	274.795786
2.1	1.10E+00	0.500	0.800	0.409	0.655	11.500	779	0.346	41.7	296.1	275.470917
0.9	1.10E+00	0.500	0.800	0.408	0.653	9.800	780	0	41.3	296.1	276.06811
0.9	1.10E+00	0.500	0.800	0.408	0.652	5.800	782	0	41.2	296.1	276.665303
0	1.10E+00	0.500	0.800	0.407	0.652	9.500	781	0	41.4	296.1	276.9
0	1.10E+00	0.500	0.800	0.407	0.652	6.000	780	0	41.6	296.1	276.9
0	1.10E+00	0.500	0.800	0.407	0.652	7.100	781	0	41.6	296.382119	276.9
0	1.00E+00	0.400	0.800	0.326	0.652	7.000	781	0	41.5	296.460218	276.819566
0	9.00E-01	0.400	0.700	0.326	0.577	4.900	778	0	41.3	296.26246	276.616961
0	9.00E-01	0.400	0.700	0.326	0.570	7.800	780	0	42.3	296.7	276.414356
0	9.00E-01	0.400	0.700	0.326	0.570	5.000	783	0	42.7	296.7	276.211751
0	9.00E-01	0.400	0.700	0.326	0.570	8.400	782	0	42.2	296.7	275.842348
0	9.00E-01	0.400	0.700	0.326	0.570	4.700	779	0	41.5	296.7	275.462675
0	9.00E-01	0.400	0.700	0.325	0.570	6.900	778	0	41.4	296.7	275.083002
0	8.00E-01	0.400	0.600	0.325	0.488	5.400	780	0	41.7	297.056712	274.410979
0	8.00E-01	0.400	0.600	0.326	0.488	5.000	780	0	41.8	297.4	273.466923
0	8.00E-01	0.400	0.600	0.326	0.488	8.100	779	0	41.6	297.4	272.522867
0	8.00E-01	0.400	0.600	0.326	0.489	4.800	779	0	41.8	297.4	271.924933
0	9.00E-01	0.500	0.600	0.407	0.489	8.700	780	0	42.5	297.4	271.506898
0	9.00E-01	0.500	0.600	0.407	0.489	4.200	781	0	42.5	297.685091	271.088862
0	9.00E-01	0.500	0.600	0.407	0.488	7.300	780	0	41.4	298.1	270.577188
0	9.00E-01	0.500	0.600	0.407	0.488	5.800	779	0	42.4	298.1	269.856113
0	9.00E-01	0.500	0.600	0.407	0.488	4.800	780	0	42.2	298.1	269.135038
0	9.00E-01	0.500	0.600	0.407	0.488	7.700	780	0	41.3	298.1	268.390748
0	8.00E-01	0.400	0.600	0.331	0.488	3.900	778	0	41.6	298.1	267.579694
0	8.00E-01	0.400	0.600	0.326	0.488	3.700	779	0	42.3	298.1	266.768639
0	8.00E-01	0.400	0.600	0.326	0.488	1.000	778	0	42	298.1	265.957585
0	8.00E-01	0.400	0.600	0.326	0.488	4.200	779	0	41.7	298.1	265.701131
0	8.00E-01	0.400	0.600	0.325	0.488	4.400	780	0	41.8	298.1	265.487064
0	9.00E-01	0.500	0.600	0.401	0.488	3.900	781	0	42.2	298.1	265.272997
0	9.00E-01	0.500	0.600	0.407	0.488	6.800	779	0	42.1	298.643667	264.916907
0	9.00E-01	0.500	0.600	0.407	0.488	3.000	779	0	42	298.8	264.487327
0	9.00E-01	0.500	0.600	0.407	0.488	7.600	780	0	42	298.8	264.057748
0	9.00E-01	0.500	0.600	0.407	0.488	3.100	779	0	41.8	298.8	263.487319
0	9.00E-01	0.500	0.600	0.407	0.488	5.000	780	0	41.6	298.8	262.705617
0	9.00E-01	0.500	0.600	0.407	0.488	4.200	780	0	42	298.8	261.923914
0	9.00E-01	0.500	0.600	0.407	0.488	4.000	778	0	43	298.8	261.142212
0	9.00E-01	0.500	0.600	0.407	0.488	6.900	779	0	42	298.8	260.731355
0	9.00E-01	0.500	0.600	0.407	0.488	3.000	780	0	42	298.8	260.341667
0	9.00E-01	0.500	0.600	0.407	0.488	7.100	780	0	42.4	298.8	259.951978
0	9.00E-01	0.500	0.600	0.407	0.488	3.200	780	0	42.2	298.8	259.545758

0.78646	0.15953	4.31027	5057.235
0.78648	0.15958	4.31126	5057.824
0.7865	0.1596	4.31219	5058.487
0.78653	0.15964	4.31332	5059.232
0.78656	0.15966	4.31469	5060.035
0.78658	0.1597	4.31594	5060.905
0.7866	0.15975	4.31697	5061.863
0.78662	0.15982	4.31798	5062.91
0.78664	0.15988	4.31921	5064.017
0.78666	0.15992	4.32054	5065.153
0.78668	0.15998	4.32176	5066.309
0.7867	0.16002	4.32288	5067.459
0.78672	0.16007	4.324	5068.604
0.78674	0.16012	4.32512	5069.758
0.78676	0.16015	4.32617	5070.914
0.78678	0.1602	4.32717	5072.064
0.7868	0.16023	4.32817	5073.222
0.78682	0.16028	4.32917	5074.383
0.78684	0.16031	4.33016	5075.553
0.78686	0.16035	4.33115	5076.731
0.78688	0.16039	4.33215	5077.918
0.7869	0.16042	4.33314	5079.099
0.78692	0.16047	4.33417	5080.267
0.78694	0.1605	4.33529	5081.435
0.78696	0.16056	4.33641	5082.599
0.78698	0.16059	4.33753	5083.765
0.787	0.16064	4.33865	5084.933
0.78702	0.16068	4.33977	5086.096
0.78704	0.16071	4.34089	5087.26
0.78706	0.16076	4.34201	5088.426
0.78708	0.16078	4.34313	5089.592
0.7871	0.1608	4.34425	5090.763
0.78712	0.16081	4.34537	5091.928
0.78714	0.16084	4.34649	5093.092
0.78716	0.16087	4.34761	5094.259
0.78718	0.1609	4.34873	5095.423
0.7872	0.16094	4.34985	5096.588
0.78722	0.16096	4.35097	5097.753
0.78724	0.16101	4.35209	5098.914
0.78726	0.16103	4.35321	5100.078
0.78728	0.16106	4.35434	5101.249
0.7873	0.16109	4.35546	5102.419
0.78732	0.16112	4.35658	5103.581
0.78734	0.16117	4.35771	5104.756
0.78736	0.16119	4.35884	5105.933
0.78738	0.16124	4.35997	5107.111
0.7874	0.16126	4.3611	5108.285

12:00:09.216	-7	0.00002	0.00004	0.00113	1.17	0.000113
12:00:10.216	-7	0.00002	0.00003	0.00112	1.165	0.000113
12:00:11.216	-7	0.00002	0.00004	0.00112	1.164	0.000113
12:00:12.216	-7	0.00002	0.00004	0.00112	1.165	0.000113
12:00:13.216	-7	0.00002	0.00002	0.00112	1.166	0.000113
12:00:14.216	-7	0.00002	0.00005	0.00122	1.266	0.000123
12:00:15.216	-7	0.00002	0.00003	0.00138	1.436	0.000139
12:00:16.216	-7	0.00005	0.0001	0.00298	3.569	0.000346
12:00:17.216	-7	0.00014	0.0001	0.00645	7.351	0.000711
12:00:18.216	-7	0.00038	0.00012	0.00502	8.154	0.000788
12:00:19.216	-7	0.00044	0.00018	0.00267	5.799	0.00056
12:00:20.216	-7	0.00034	0.00008	0.00125	3.493	0.000338
12:00:21.216	-7	0.00019	0.00009	0.00011	1.519	0.000147
12:00:22.216	-7	0.00011	0.00004	0.00114	0.987	0.000096
12:00:23.216	-7	0.00008	0.00005	0.00128	0.998	0.000097
12:00:24.216	-7	0.00007	0.00004	0.0011	1.062	0.000103
12:00:25.216	-7	0.00006	0.00004	0.00096	0.979	0.000095
12:00:26.216	-7	0.00006	0.00006	0.00115	0.964	0.000093
12:00:27.216	-7	0.00007	0.00006	0.00211	1.412	0.000137
12:00:28.216	-7	0.00008	0.00015	0.00506	3.448	0.000334
12:00:29.216	-7	0.00012	0.00023	0.00772	7.781	0.000753
12:00:30.216	-7	0.00052	0.00064	0.00904	15.831	0.001529
12:00:31.216	-7	0.00123	0.00041	0.0063	15.823	0.001528
12:00:32.216	-7	0.00178	0.0003	0.0054	12.233	0.001182
12:00:33.216	-7	0.00194	0.0002	0.00546	9.734	0.000941
12:00:34.216	-7	0.00185	0.00015	0.00434	9.472	0.000914
12:00:35.216	-7	0.0022	0.00038	0.00502	13.281	0.001281
12:00:36.216	-7	0.0024	0.00035	0.00518	17.023	0.001642
12:00:37.216	-7	0.00252	0.00056	0.00362	16.59	0.001602
12:00:38.216	-7	0.00187	0.00022	0.0025	7.965	0.00077
12:00:39.216	-7	0.00141	0.00016	0.00416	4.96	0.00048
12:00:40.216	-7	0.00106	0.00011	0.00362	3.886	0.000376
12:00:41.216	-7	0.00059	0.00005	0.00216	2.7	0.000261
12:00:42.216	-7	0.00038	0.0001	0.00112	1.939	0.000188
12:00:43.216	-7	0.00031	0.00008	0.00168	1.632	0.000158
12:00:44.216	-7	0.00028	0.00017	0.00419	3.518	0.000341
12:00:45.216	-7	0.00025	0.00015	0.00497	5.213	0.000504
12:00:46.216	-7	0.00024	0.00013	0.00329	5.711	0.000551
12:00:47.216	-7	0.00024	0.00013	0.00239	5.443	0.000526
12:00:48.216	-7	0.00025	0.00009	0.00249	5.255	0.000507
12:00:49.216	-7	0.00036	0.00028	0.0047	7.855	0.000758
12:00:50.216	-7	0.00049	0.00032	0.00708	12.059	0.001163
12:00:51.216	-7	0.00093	0.00033	0.00479	10.672	0.00103
12:00:52.216	-7	0.00091	0.00012	0.00262	5.894	0.00057
12:00:53.216	-7	0.00077	0.00012	0.00277	4.113	0.000398
12:00:54.216	-7	0.00067	0.0001	0.00319	4.106	0.000397
12:00:55.216	-7	0.00049	0.00008	0.00279	4.352	0.000421

0	1.00E+00	0.600	0.600	0.488	0.488	6.300
0	1.00E+00	0.600	0.600	0.488	0.488	4.500
0	1.00E+00	0.600	0.600	0.488	0.488	5.800
0	1.00E+00	0.600	0.600	0.488	0.488	5.700
0	1.00E+00	0.600	0.600	0.488	0.488	3.300
0	9.00E-01	0.500	0.600	0.413	0.488	6.600
0	9.00E-01	0.500	0.600	0.407	0.488	3.600
0.6	9.00E-01	0.500	0.600	0.404	0.484	5.600
0.9	1.50E+00	1.200	0.600	0.977	0.477	3.400
7	4.20E+00	4.800	0.600	3.769	0.471	4.400
7.4	6.60E+00	7.800	0.600	6.166	0.472	9.000
14.2	7.00E+00	8.100	0.600	6.479	0.480	5.500
14.3	6.40E+00	7.200	0.600	5.893	0.489	10.200
15.7	5.00E+00	5.500	0.600	4.479	0.492	5.400
15.7	3.90E+00	4.100	0.600	3.380	0.491	8.200
15.5	3.40E+00	3.600	0.600	2.954	0.489	6.800
15.5	3.00E+00	3.000	0.600	2.478	0.491	6.900
14.8	2.40E+00	2.300	0.600	1.913	0.494	9.300
14.8	1.90E+00	1.700	0.600	1.420	0.494	6.300
13.9	1.50E+00	1.200	0.600	0.994	0.485	8.700
14.1	1.30E+00	1.100	0.600	0.866	0.473	8.400
17.3	3.30E+00	3.500	0.700	2.740	0.541	13.300
17.7	7.20E+00	8.500	0.700	6.642	0.548	7.900
23.8	1.25E+01	14.800	1.100	11.657	0.841	6.900
24	1.78E+01	21.600	1.100	16.931	0.864	6.200
30.2	1.93E+01	23.800	1.000	18.474	0.778	5.000
30.5	1.76E+01	21.800	1.000	16.797	0.772	10.000
34.9	1.49E+01	18.300	0.900	14.165	0.704	7.200
35.1	1.44E+01	17.600	0.900	13.738	0.703	10.700
40	1.77E+01	21.400	0.900	17.006	0.717	6.800
40.1	1.98E+01	23.900	0.900	19.101	0.721	7.600
42.6	1.97E+01	23.700	0.900	18.942	0.719	6.500
42.5	1.54E+01	18.400	0.900	14.712	0.720	4.700
41.5	1.10E+01	12.700	0.900	10.279	0.730	10.100
41.4	7.80E+00	8.600	0.800	7.119	0.667	6.600
39.5	5.20E+00	5.700	0.800	4.597	0.643	10.900
39.5	4.40E+00	4.800	0.800	3.776	0.627	8.600
39.1	4.30E+00	4.700	0.800	3.650	0.621	7.400
39.1	4.40E+00	4.800	0.800	3.728	0.622	7.800
39.1	4.40E+00	4.900	0.800	3.824	0.624	5.200
39.1	4.50E+00	5.000	0.800	3.889	0.622	11.600
38.8	4.50E+00	5.000	0.800	3.838	0.615	9.600
38.9	8.50E+00	10.200	0.700	7.983	0.545	10.000
40.2	1.22E+01	14.700	0.700	11.642	0.556	5.200
40.2	1.31E+01	15.700	0.700	12.560	0.560	6.500
40.9	1.22E+01	14.600	0.700	11.625	0.558	5.700
40.9	9.30E+00	11.000	0.700	8.725	0.554	5.300

779	0	42.3	298.8	259.128967
779	0	42.5	298.8	258.712176
781	0	42	298.8	258.248063
779	0	42	298.8	257.642736
781	0	41.6	298.8	257.037409
923	0.511	58.2	298.105852	256.432082
1040	1.845	51.8	298.1	264.145087
1529	4.441	74.6	298.1	272.323637
2051	8.33	80.6	298.1	280.502187
2051	12.022	68.9	298.1	290.857878
1707	14.445	50	297.359831	302.611372
1407	15.114	36.5	296.4003	314.364867
1281	15.53	45.7	294.946154	315.741952
1094	15.33	29	293.523232	304.986966
1046	14.9	24.3	292.732294	294.23198
1013	14.643	25.6	292.5	285.454187
991	14.101	28.1	292.116713	277.727061
1029	13.42	42.5	291.407692	269.999935
1318	13.557	75.6	290.699555	277.212346
1690	15.156	92.5	289.320433	296.162963
2014	17.773	86.7	287.8617	315.11358
2292	21.286	71.5	286.871338	337.512474
2456	25.191	70.6	285.8	367.238954
2264	28.486	71.5	283.580342	396.965434
1899	30.768	81.9	282.3	426.691915
1854	33.205	89.5	282.3	441.992677
1933	35.556	83.8	281.777645	457.191747
2065	38.132	78.1	281.6	472.390817
2145	40.379	69.2	281.977364	471.965229
2049	41.736	58.6	283.672268	458.85876
1722	41.983	64.2	285.813556	445.752291
1661	41.312	38.4	286.945807	427.178481
1443	40.416	16.5	287.1	404.710127
1268	39.511	39.7	287.1	382.241772
1292	38.957	72.1	287.1	372.82
1273	38.5	79	287.1	381.121887
1247	38.5	79	287.1	389.423774
1246	38.5	80.7	287.438716	396.637834
1246	38.5	70.6	288.525741	400.481417
1308	38.5	81.7	289.294872	404.325
1300	38.571	94.7	290.677	409.841015
1633	39.107	74	291.593625	420.321232
1615	39.691	58.5	293.359393	430.80145
1626	40.269	57.7	297.344213	441.281667
1635	40.37	63.6	298.653769	436.811156
1644	40.764	66.5	301.16	431.403245
1658	40.99	68.6	302.13379	425.995334

0.78742	0.1613	4.36223	5109.455
0.78744	0.16133	4.36335	5110.62
0.78746	0.16137	4.36447	5111.784
0.78748	0.16141	4.36559	5112.949
0.7875	0.16143	4.36671	5114.115
0.78752	0.16148	4.36793	5115.381
0.78754	0.16151	4.36931	5116.817
0.78759	0.16161	4.37229	5120.386
0.78773	0.16171	4.37874	5127.737
0.78811	0.16183	4.38376	5135.891
0.78855	0.16201	4.38643	5141.69
0.78889	0.16209	4.38768	5145.183
0.78908	0.16218	4.38779	5146.702
0.78919	0.16222	4.38893	5147.689
0.78927	0.16227	4.39021	5148.687
0.78934	0.16231	4.39131	5149.749
0.7894	0.16235	4.39227	5150.728
0.78946	0.16241	4.39342	5151.692
0.78953	0.16247	4.39553	5153.104
0.78961	0.16262	4.40059	5156.552
0.78973	0.16285	4.40831	5164.333
0.79025	0.16349	4.41735	5180.164
0.79148	0.1639	4.42365	5195.987
0.79326	0.1642	4.42905	5208.22
0.7952	0.1644	4.43451	5217.954
0.79705	0.16455	4.43885	5227.426
0.79925	0.16493	4.44387	5240.707
0.80165	0.16528	4.44905	5257.73
0.80417	0.16584	4.45267	5274.32
0.80604	0.16606	4.45517	5282.285
0.80745	0.16622	4.45933	5287.245
0.80851	0.16633	4.46295	5291.131
0.8091	0.16638	4.46511	5293.831
0.80948	0.16648	4.46623	5295.77
0.80979	0.16656	4.46791	5297.402
0.81007	0.16673	4.4721	5300.92
0.81032	0.16688	4.47707	5306.133
0.81056	0.16701	4.48036	5311.844
0.8108	0.16714	4.48275	5317.287
0.81105	0.16723	4.48524	5322.542
0.81141	0.16751	4.48994	5330.397
0.8119	0.16783	4.49702	5342.456
0.81283	0.16816	4.50181	5353.128
0.81374	0.16828	4.50443	5359.022
0.81451	0.1684	4.5072	5363.135
0.81518	0.1685	4.51039	5367.241
0.81567	0.16858	4.51318	5371.593

12:00:56.216	-7	0.00034	0.00014	0.00208	4.567	0.000441
12:00:57.216	-7	0.00022	0.00009	0.00205	4.155	0.000401
12:00:58.216	-7	0.00015	0.00012	0.00181	3.462	0.000335
12:00:59.216	-7	0.0001	0.00011	0.00106	2.494	0.000241
12:01:00.216	-7	0.00007	0.0001	0.00108	1.844	0.000178
12:01:01.216	-7	0.00006	0.00008	0.0014	1.862	0.00018
12:01:02.216	-7	0.00005	0.00007	0.00135	1.669	0.000162
12:01:03.216	-7	0.00004	0.00007	0.00109	1.418	0.000137
12:01:04.216	-7	0.00004	0.00006	0.00118	1.242	0.00012
12:01:05.216	-7	0.00004	0.00008	0.00127	1.073	0.000104
12:01:06.216	-7	0.00004	0.00004	0.001	0.821	0.00008
12:01:07.216	-7	0.00004	0.00004	0.00075	0.512	0.00005
12:01:08.216	-7	0.00003	0.00003	0.00062	0.325	0.000032
12:01:09.216	-7	0.00003	0.00001	0.00072	0.317	0.000031
12:01:10.216	-7	0.00004	0.00002	0.00154	0.618	0.00006
12:01:11.216	-7	0.00006	0	0.00732	2.755	0.000268
12:01:12.216	-7	0.00007	0.00014	0.00756	5.937	0.000575
12:01:13.216	-7	0.0001	0.00003	0.00459	7.264	0.000702
12:01:14.216	-7	0.00015	0.00006	0.00219	6.784	0.000655
12:01:15.216	-7	0.00016	0.00004	0.00174	5.454	0.000527
12:01:16.216	-7	0.00014	0.00002	0.00184	3.94	0.000381
12:01:17.216	-7	0.00011	0.00005	0.00202	2.856	0.000276
12:01:18.216	-7	0.00008	0.00002	0.00125	1.864	0.00018
12:01:19.216	-7	0.00008	0.00007	0.00115	1.448	0.00014
12:01:20.216	-7	0.00007	0.00005	0.00142	1.315	0.000127
12:01:21.216	-7	0.00006	0.00008	0.00139	1.221	0.000118
12:01:22.216	-7	0.00004	0.00007	0.00143	0.947	0.000092
12:01:23.216	-7	0.00004	0.00006	0.00078	0.68	0.000066
12:01:24.216	-7	0.00003	0.00005	0.00053	0.413	0.00004
12:01:25.216	-7	0.00002	0	0.00072	0.288	0.000028
12:01:26.216	-7	0.00002	0.00002	0.00107	0.348	0.000034
12:01:27.216	-7	0.00002	0	0.00133	0.457	0.000044
12:01:28.216	-7	0.00002	0	0.00114	0.54	0.000052
12:01:29.216	-7	0.00002	0	0.00113	0.615	0.00006
12:01:30.216	-7	0.00002	0.00001	0.00134	0.716	0.000069
12:01:31.216	-7	0.00002	0.00002	0.00146	0.879	0.000085
12:01:32.216	-7	0.00002	0.00001	0.00139	1.039	0.000101
12:01:33.216	-7	0.00002	0.00004	0.00137	1.117	0.000108
12:01:34.216	-7	0.00002	0.00002	0.00115	1.135	0.00011
12:01:35.216	-7	0.00002	0.00003	0.00111	1.122	0.000109
12:01:36.216	-7	0.00002	0.00002	0.00112	1.142	0.000111
12:01:37.216	-7	0.00002	0.00002	0.00112	1.142	0.000111
12:01:38.216	-7	0.00002	0.00003	0.00112	1.142	0.000111
12:01:39.216	-7	0.00002	0.00001	0.00112	1.138	0.00011
12:01:40.216	-7	0.00002	0.00005	0.00112	1.141	0.000111
12:01:41.216	-7	0.00002	0.00002	0.00112	1.141	0.000111
12:01:42.216	-7	0.00002	0.00003	0.00112	1.142	0.000111

41.4	6.60E+00	7.700	0.700	6.075	0.550	9.200
41.5	4.80E+00	5.400	0.800	4.218	0.621	6.800
42.3	3.70E+00	3.900	0.800	3.104	0.630	10.200
42.3	3.20E+00	3.200	0.800	2.577	0.636	11.000
42.8	2.60E+00	2.400	0.800	1.959	0.640	12.600
42.8	2.20E+00	1.900	0.800	1.537	0.642	10.100
42.8	1.80E+00	1.500	0.700	1.225	0.572	8.500
42.8	1.60E+00	1.300	0.700	1.066	0.570	9.300
42.9	1.60E+00	1.300	0.700	1.064	0.573	7.600
42.9	1.60E+00	1.200	0.700	0.993	0.576	10.200
42.1	1.60E+00	1.200	0.700	0.996	0.581	5.100
42	1.60E+00	1.200	0.700	1.007	0.588	6.600
40.3	1.40E+00	0.900	0.700	0.774	0.592	5.000
40.2	1.20E+00	0.700	0.700	0.602	0.594	1.200
37.9	1.00E+00	0.500	0.700	0.430	0.592	1.400
37.8	9.00E-01	0.400	0.700	0.340	0.578	-0.300
36.7	9.00E-01	0.400	0.700	0.318	0.556	6.000
36.7	1.40E+00	1.100	0.700	0.824	0.546	1.200
37.5	2.20E+00	2.000	0.800	1.527	0.623	2.900
37.5	2.70E+00	2.700	0.800	2.097	0.628	2.100
38	2.80E+00	2.800	0.800	2.215	0.633	1.200
38	2.90E+00	2.800	0.800	2.234	0.638	4.700
37.4	2.90E+00	2.800	0.800	2.255	0.644	2.000
37.3	2.90E+00	2.800	0.800	2.275	0.650	9.400
36	2.70E+00	2.500	0.800	2.046	0.652	6.800
35.7	2.50E+00	2.200	0.800	1.810	0.653	11.300
30.2	2.00E+00	1.600	0.800	1.338	0.659	9.800
29.8	1.90E+00	1.500	0.800	1.258	0.667	8.000
19.7	1.50E+00	1.100	0.700	0.948	0.597	6.800
19.4	1.20E+00	0.700	0.700	0.602	0.593	0.400
12.3	9.00E-01	0.400	0.700	0.345	0.591	3.100
11.9	9.00E-01	0.400	0.700	0.336	0.588	-0.700
6	9.00E-01	0.400	0.700	0.335	0.586	0.200
5.7	9.00E-01	0.400	0.700	0.334	0.584	0.400
0	9.00E-01	0.400	0.700	0.332	0.581	1.100
0	1.00E+00	0.400	0.800	0.330	0.653	3.400
1.2	1.00E+00	0.400	0.800	0.328	0.655	1.200
1.2	1.00E+00	0.400	0.800	0.327	0.653	5.500
0	1.00E+00	0.400	0.800	0.326	0.652	2.600
0	1.00E+00	0.400	0.800	0.326	0.652	5.300
0	1.00E+00	0.400	0.800	0.326	0.652	3.700
0	1.10E+00	0.500	0.800	0.402	0.652	3.300
0	1.10E+00	0.500	0.800	0.407	0.652	5.300
0	1.10E+00	0.500	0.800	0.407	0.652	2.300
0	1.10E+00	0.500	0.800	0.407	0.652	7.000
0	1.10E+00	0.500	0.800	0.407	0.652	3.400
0	1.10E+00	0.500	0.800	0.407	0.652	5.000

1677	41.305	64.9	303.323041	418.482623
1713	41.88	54.5	303.8	410.08918
1584	42.23	49.6	304.263041	401.695738
1404	42.23	45	305.041157	389.566697
1368	42.23	40.4	305.70944	375.470052
1366	42.23	39	306	361.373407
1365	42.23	32.6	306	347.951175
1365	42.23	18.1	306.381717	335.515645
1349	42.23	0.1	307.4	323.080115
1328	41.723	0	307.4	310.644585
1288	40.428	0	307.4	300.636086
1246	39.378	0	307.9717	290.850153
1206	38.423	0	308.1	281.06422
1402	37.37	38.3	308.1	281.817516
1638	36.64	78.8	308.1	288.346178
1596	36.64	74.4	308.958962	294.874841
1573	36.832	73.5	310.302569	312.648082
1510	37.26	76.8	311.948491	341.399233
1513	37.388	74	313.986847	370.150384
1515	37.821	60.5	315.791364	388.719745
1511	37.329	44	317.05046	376.249078
1515	36.543	36.8	318.358524	363.778411
1480	35.864	40.1	320	350.984537
1413	34.792	36.6	320	337.289601
1302	32.521	2.7	320	323.594666
1234	27.68	0.2	320	309.89973
1093	22.384	2.4	320	300.18595
1094	17.513	27.5	319.202724	290.785681
1004	14.158	24.8	319.2	281.385411
1080	10.712	15.8	319.2	277.588654
883	7.295	18.5	319.2	274.031463
794	4.294	28	319.2	270.474272
786	2.25	37.7	319.2	270.584877
785	1.24	43.1	319.2	272.282407
779	1.068	42.8	319.2	273.979938
780	0.62	42.2	319.2	275.34498
780	0.418	42.1	319.2	276.316553
781	0	41.6	319.2	277.288125
780	0	41.6	319.2	277.741458
780	0	41.8	319.2	277.949792
779	0	41.7	319.2	278.158125
778	0	42.2	319.2	278.163758
778	0	42.6	319.2	277.736669
780	0	41.6	319.2	277.309579
779	0	42	319.2	276.88327
779	0	42.6	319.2	276.475226
780	0	42.2	319.2	276.067182

0.81601	0.16872	4.51526	5376.16
0.81623	0.16881	4.51731	5380.315
0.81638	0.16893	4.51912	5383.777
0.81648	0.16904	4.52018	5386.271
0.81655	0.16914	4.52126	5388.115
0.81661	0.16922	4.52266	5389.977
0.81666	0.16929	4.52401	5391.646
0.8167	0.16936	4.5251	5393.064
0.81674	0.16942	4.52628	5394.306
0.81678	0.1695	4.52755	5395.379
0.81682	0.16954	4.52855	5396.2
0.81686	0.16958	4.5293	5396.712
0.81689	0.16961	4.52992	5397.037
0.81692	0.16962	4.53064	5397.354
0.81696	0.16964	4.53218	5397.972
0.81702	0.16964	4.5395	5400.727
0.81709	0.16978	4.54706	5406.664
0.81719	0.16981	4.55165	5413.928
0.81734	0.16987	4.55384	5420.712
0.8175	0.16991	4.55558	5426.166
0.81764	0.16993	4.55742	5430.106
0.81775	0.16998	4.55944	5432.962
0.81783	0.17	4.56069	5434.826
0.81791	0.17007	4.56184	5436.274
0.81798	0.17012	4.56326	5437.589
0.81804	0.1702	4.56465	5438.81
0.81808	0.17027	4.56608	5439.757
0.81812	0.17033	4.56686	5440.437
0.81815	0.17038	4.56739	5440.85
0.81817	0.17038	4.56811	5441.138
0.81819	0.1704	4.56918	5441.486
0.81821	0.1704	4.57051	5441.943
0.81823	0.1704	4.57165	5442.483
0.81825	0.1704	4.57278	5443.098
0.81827	0.17041	4.57412	5443.814
0.81829	0.17043	4.57558	5444.693
0.81831	0.17044	4.57697	5445.732
0.81833	0.17048	4.57834	5446.849
0.81835	0.1705	4.57949	5447.984
0.81837	0.17053	4.5806	5449.106
0.81839	0.17055	4.58172	5450.248
0.81841	0.17057	4.58284	5451.39
0.81843	0.1706	4.58396	5452.532
0.81845	0.17061	4.58508	5453.67
0.81847	0.17066	4.5862	5454.811
0.81849	0.17068	4.58732	5455.952
0.81851	0.17071	4.58844	5457.094

12:01:43.216	-7	0.00002	0.00002	0.00112	1.138	0.00011
12:01:44.216	-7	0.00002	0.00002	0.00112	1.142	0.000111
12:01:45.216	-7	0.00002	0.00004	0.00112	1.141	0.000111
12:01:46.216	-7	0.00002	0.00001	0.00112	1.145	0.000111
12:01:47.216	-7	0.00003	0.00004	0.00112	1.143	0.000111
12:01:48.216	-7	0.00003	0.00002	0.00112	1.144	0.000111
12:01:49.216	-7	0.00003	0.00004	0.00112	1.146	0.000111
12:01:50.216	-7	0.00003	0.00003	0.00112	1.147	0.000111
12:01:51.216	-7	0.00003	0.00003	0.00111	1.14	0.00011
12:01:52.216	-7	0.00003	0.00005	0.00112	1.143	0.000111
12:01:53.216	-7	0.00003	0.00003	0.00112	1.145	0.000111
12:01:54.216	-7	0.00003	0.00006	0.00112	1.149	0.000111
12:01:55.216	-7	0.00003	0.00002	0.00112	1.149	0.000111
12:01:56.216	-7	0.00003	0.00004	0.00112	1.157	0.000112
12:01:57.216	-7	0.00003	0.00005	0.00112	1.149	0.000111
12:01:58.216	-7	0.00003	0.00007	0.00112	1.15	0.000111
12:01:59.216	-7	0.00003	0.00005	0.00111	1.145	0.000111
12:02:00.216	-7	0.00003	0.00003	0.00111	1.142	0.000111
12:02:01.216	-7	0.00003	0.00005	0.00111	1.14	0.00011
12:02:02.216	-7	0.00003	0.00002	0.00111	1.142	0.000111
12:02:03.216	-7	0.00003	0.00004	0.00112	1.146	0.000111
12:02:04.216	-7	0.00003	0.00003	0.00123	1.149	0.000111
12:02:05.216	-7	0.00003	0.00003	0.00123	1.142	0.000111
12:02:06.216	-7	0.00003	0.00003	0.00124	1.144	0.000111
12:02:07.216	-7	0.00003	0.00002	0.00123	1.14	0.00011
12:02:08.216	-7	0.00003	0.00003	0.00123	1.141	0.000111
12:02:09.216	-7	0.00003	0.00002	0.00124	1.152	0.000112
12:02:10.216	-7	0.00003	0.00004	0.00124	1.148	0.000111
12:02:11.216	-7	0.00003	0.00002	0.00124	1.146	0.000111
12:02:12.216	-7	0.00003	0.00003	0.00124	1.144	0.000111
12:02:13.216	-7	0.00003	0.00003	0.00123	1.14	0.00011
12:02:14.216	-7	0.00003	0.00002	0.00124	1.146	0.000111
12:02:15.216	-7	0.00003	0.00002	0.00124	1.146	0.000111
12:02:16.216	-7	0.00003	0	0.00124	1.147	0.000111
12:02:17.216	-7	0.00003	0.00003	0.00125	1.154	0.000112
12:02:18.216	-7	0.00003	0.00001	0.00124	1.15	0.000111
12:02:19.216	-7	0.00003	0	0.00124	1.149	0.000111
12:02:20.216	-7	0.00003	0	0.00124	1.146	0.000111
12:02:21.216	-7	0.00003	0.00001	0.00124	1.15	0.000111
12:02:22.216	-7	0.00003	0.00002	0.00124	1.151	0.000112
12:02:23.216	-7	0.00003	0.00001	0.00124	1.149	0.000111
12:02:24.216	-7	0.00003	0.00003	0.00124	1.148	0.000111
12:02:25.216	-7	0.00003	0.00002	0.00124	1.149	0.000111
12:02:26.216	-7	0.00003	0.00003	0.00125	1.151	0.000111
12:02:27.216	-7	0.00003	0.00003	0.00125	1.151	0.000111
12:02:28.216	-7	0.00003	0.00001	0.00124	1.147	0.000111
12:02:29.216	-7	0.00003	0.00004	0.00124	1.148	0.000111

0	1.10E+00	0.500	0.800	0.407	0.651	3.700	779	0	42.2	319.2	275.659137
0	1.10E+00	0.500	0.800	0.407	0.651	3.200	779	0	42.2	319.2	274.995713
0	1.10E+00	0.500	0.800	0.407	0.651	6.300	780	0	42.3	319.2	274.169014
0	1.10E+00	0.600	0.800	0.489	0.651	2.000	780	0	42.8	319.2	273.342315
0	1.20E+00	0.700	0.800	0.563	0.651	6.400	780	0	42.8	319.2	272.598004
0	1.20E+00	0.700	0.800	0.570	0.651	3.700	779	0	43.1	318.828503	272.010804
0	1.20E+00	0.700	0.800	0.570	0.651	6.900	781	0	42	317.6	271.423605
0	1.20E+00	0.700	0.800	0.570	0.651	5.400	779	0	41.6	317.6	270.836406
0	1.20E+00	0.700	0.800	0.570	0.651	4.900	779	0	42.4	317.6	270.416808
0	1.20E+00	0.700	0.800	0.570	0.651	7.000	779	0	42.5	317.10104	270.008287
0	1.30E+00	0.800	0.800	0.651	0.651	4.200	780	0	42.4	316.9	269.599767
0	1.30E+00	0.800	0.800	0.651	0.651	8.800	780	0	42.2	316.9	268.948216
0	1.30E+00	0.800	0.800	0.651	0.651	3.200	779	0	42.1	316.55618	268.064099
0	1.20E+00	0.700	0.800	0.576	0.651	6.200	780	0	42.4	316.1	267.179981
0	1.20E+00	0.700	0.800	0.569	0.651	7.000	780	0	42.4	316.1	266.455895
0	1.30E+00	0.800	0.800	0.651	0.651	10.500	782	0	42.4	315.936611	266.036984
0	1.30E+00	0.800	0.800	0.651	0.651	8.300	779	0	42.4	315.4	265.618073
0	1.40E+00	0.900	0.800	0.732	0.651	4.200	781	0	43.1	315.4	265.198842
0	1.40E+00	0.900	0.800	0.732	0.651	7.200	779	0	42.5	315.4	264.619971
0	1.40E+00	0.900	0.800	0.732	0.651	3.400	779	0	42.6	315.4	264.0411
0	1.40E+00	0.900	0.800	0.732	0.651	6.900	780	0	42.5	314.960109	263.462229
0	1.40E+00	0.900	0.800	0.732	0.651	4.100	780	0	42.5	314.323273	262.86559
0	1.40E+00	0.900	0.800	0.732	0.651	4.900	779	0	42.7	314	262.254236
0	1.40E+00	0.900	0.800	0.732	0.651	4.900	781	0	42.4	313.823035	261.642882
0	1.40E+00	0.900	0.800	0.732	0.651	3.300	780	0	42.4	313.013669	261.053763
0	1.40E+00	0.900	0.800	0.732	0.651	5.400	780	0	42.7	311.8	260.640934
0	1.40E+00	0.900	0.800	0.732	0.651	3.600	779	0	42.8	311.8	260.228104
0	1.30E+00	0.800	0.800	0.651	0.651	6.900	781	0	42.4	311	259.815275
0	1.30E+00	0.800	0.800	0.651	0.651	3.800	780	0	42.4	310.940426	259.567552
0	1.40E+00	0.800	0.900	0.651	0.732	4.800	782	0	42.7	310.29152	259.326172
0	1.40E+00	0.800	0.900	0.651	0.732	4.800	780	0	42.8	309.6	259.07192
0	1.40E+00	0.800	0.900	0.651	0.732	3.200	781	0	42.8	309.6	258.626202
0	1.40E+00	0.800	0.900	0.651	0.732	3.300	780	0	43.1	309.567248	258.180484
0	1.40E+00	0.800	0.900	0.651	0.732	0.500	779	0	42.8	308.925046	257.734766
0	1.40E+00	0.800	0.900	0.651	0.732	4.400	779	0	42.8	308.201091	257.136258
0	1.40E+00	0.800	0.900	0.651	0.732	1.600	779	0	43	307.584872	256.524824
0	1.40E+00	0.800	0.900	0.651	0.732	0.000	780	0	43.6	306.431632	255.91339
0	1.40E+00	0.800	0.900	0.651	0.732	0.000	780	0	43	305.445291	255.43944
0	1.40E+00	0.800	0.900	0.651	0.732	1.000	780	0	42.4	304.779758	255.039193
0	1.40E+00	0.800	0.900	0.651	0.732	3.500	780	0	42.5	304.154812	254.638947
0	1.40E+00	0.800	0.900	0.651	0.732	0.900	779	0	42.8	303.8	254.318515
0	1.40E+00	0.800	0.900	0.651	0.732	4.300	780	0	42.8	303.584542	254.11632
0	1.40E+00	0.800	0.900	0.651	0.732	2.400	780	0	43.1	302.947134	253.914125
0	1.40E+00	0.800	0.900	0.651	0.732	4.500	780	0	43.1	302.310191	253.71193
0	1.40E+00	0.800	0.900	0.651	0.732	3.900	780	0	42.6	301.673818	253.316812
0	1.40E+00	0.800	0.900	0.651	0.732	2.200	778	0	42.1	300.572093	252.909599
0	1.50E+00	0.900	0.900	0.725	0.732	5.800	778	0	42.4	299.704753	252.502385

0.81853	0.17073	4.58956	5458.232
0.81855	0.17075	4.59068	5459.374
0.81857	0.17079	4.5918	5460.515
0.81859	0.1708	4.59292	5461.66
0.81862	0.17084	4.59404	5462.803
0.81865	0.17086	4.59516	5463.947
0.81868	0.1709	4.59628	5465.093
0.81871	0.17093	4.5974	5466.24
0.81874	0.17096	4.59851	5467.38
0.81877	0.17101	4.59963	5468.523
0.8188	0.17104	4.60075	5469.668
0.81883	0.1711	4.60187	5470.817
0.81886	0.17112	4.60299	5471.966
0.81889	0.17116	4.60411	5473.123
0.81892	0.17121	4.60523	5474.272
0.81895	0.17128	4.60635	5475.422
0.81898	0.17133	4.60746	5476.567
0.81901	0.17136	4.60857	5477.709
0.81904	0.17141	4.60968	5478.849
0.81907	0.17143	4.61079	5479.991
0.8191	0.17147	4.61191	5481.137
0.81913	0.1715	4.61314	5482.286
0.81916	0.17153	4.61437	5483.428
0.81919	0.17156	4.61561	5484.572
0.81922	0.17158	4.61684	5485.712
0.81925	0.17161	4.61807	5486.853
0.81928	0.17163	4.61931	5488.005
0.81931	0.17167	4.62055	5489.153
0.81934	0.17169	4.62179	5490.299
0.81937	0.17172	4.62303	5491.443
0.8194	0.17175	4.62426	5492.583
0.81943	0.17177	4.6255	5493.729
0.81946	0.17179	4.62674	5494.875
0.81949	0.17179	4.62798	5496.022
0.81952	0.17182	4.62923	5497.176
0.81955	0.17183	4.63047	5498.326
0.81958	0.17183	4.63171	5499.475
0.81961	0.17183	4.63295	5500.621
0.81964	0.17184	4.63419	5501.771
0.81967	0.17186	4.63543	5502.922
0.8197	0.17187	4.63667	5504.071
0.81973	0.1719	4.63791	5505.219
0.81976	0.17192	4.63915	5506.368
0.81979	0.17195	4.6404	5507.519
0.81982	0.17198	4.64165	5508.67
0.81985	0.17199	4.64289	5509.817
0.81988	0.17203	4.64413	5510.965

12:02:30.216	-7	0.00003	0.00001	0.00125	1.153	0.000112
12:02:31.216	-7	0.00003	0.00004	0.00124	1.149	0.000111
12:02:32.216	-7	0.00003	0.00002	0.00124	1.147	0.000111
12:02:33.216	-7	0.00003	0.00003	0.00124	1.149	0.000111
12:02:34.216	-7	0.00003	0.00003	0.00124	1.149	0.000111
12:02:35.216	-7	0.00003	0.00002	0.00124	1.148	0.000111
12:02:36.216	-7	0.00003	0.00004	0.00124	1.147	0.000111
12:02:37.216	-7	0.00003	0.00001	0.00124	1.148	0.000111
12:02:38.216	-7	0.00003	0.00003	0.00124	1.141	0.000111
12:02:39.216	-7	0.00003	0.00001	0.00124	1.147	0.000111
12:02:40.216	-7	0.00003	0.00003	0.00113	1.147	0.000111
12:02:41.216	-7	0.00003	0.00002	0.00112	1.145	0.000111
12:02:42.216	-7	0.00003	0.00002	0.00112	1.15	0.000111
12:02:43.216	-7	0.00004	0.00004	0.00112	1.153	0.000112
12:02:44.216	-7	0.00004	0.00001	0.00122	1.254	0.000122
12:02:45.216	-7	0.00004	0.00004	0.00128	1.308	0.000127
12:02:46.216	-7	0.00005	0.00002	0.00169	1.637	0.000159
12:02:47.216	-7	0.00007	0.00006	0.00233	2.684	0.00026
12:02:48.216	-7	0.00009	0.00007	0.00345	3.975	0.000385
12:02:49.216	-7	0.00018	0.00015	0.00592	7.873	0.000761
12:02:50.216	-7	0.00049	0.00022	0.00592	10.51	0.001015
12:02:51.216	-7	0.00075	0.00012	0.0041	10.153	0.00098
12:02:52.216	-7	0.0006	0.00017	0.00247	6.22	0.000601
12:02:53.216	-7	0.00051	0.00006	0.00202	4.429	0.000428
12:02:54.216	-7	0.00047	0.00008	0.00279	3.837	0.000371
12:02:55.216	-7	0.0004	0.00007	0.00317	4.155	0.000402
12:02:56.216	-7	0.00036	0.00008	0.00286	4.81	0.000465
12:02:57.216	-7	0.00037	0.00021	0.00349	6.085	0.000588
12:02:58.216	-7	0.00038	0.00015	0.00326	7.108	0.000686
12:02:59.216	-7	0.00038	0.00025	0.00302	7.456	0.00072
12:03:00.216	-7	0.00034	0.00017	0.0029	6.677	0.000645
12:03:01.216	-7	0.00031	0.0002	0.00282	5.913	0.000571
12:03:02.216	-7	0.00029	0.00013	0.00248	5.318	0.000514
12:03:03.216	-7	0.00026	0.0001	0.00178	4.532	0.000438
12:03:04.216	-7	0.0002	0.00012	0.00157	2.971	0.000287
12:03:05.216	-7	0.00016	0.00007	0.00063	1.763	0.000171
12:03:06.216	-7	0.00012	0.00011	0.00068	0.882	0.000085
12:03:07.216	-7	0.00009	0.00005	0.00082	0.42	0.000041
12:03:08.216	-7	0.00007	0.00006	0.00093	0.274	0.000027
12:03:09.216	-7	0.00009	0.00007	0.00188	0.401	0.000039
12:03:10.216	-7	0.00011	0.00014	0.00262	1.401	0.000136
12:03:11.216	-7	0.00012	0.00019	0.00556	3.343	0.000324
12:03:12.216	-7	0.00013	0.00015	0.00477	5.044	0.000488
12:03:13.216	-7	0.00011	0.00016	0.00169	3.766	0.000364
12:03:14.216	-7	0.00008	0.00009	0.00044	2.019	0.000195
12:03:15.216	-7	0.00008	0.00011	0.00003	1.124	0.000109
12:03:16.216	-7	0.00007	0.00006	0.00069	0.605	0.000059

0	1.50E+00	0.900	0.900	0.732	0.732	1.000	780	0	42.6	299.101377	252.098738
0	1.50E+00	0.900	0.900	0.732	0.732	5.900	780	0	42.5	298.526402	251.698615
0	1.50E+00	0.900	0.900	0.732	0.732	3.000	779	0	42.8	298.1	251.298492
0	1.50E+00	0.900	0.900	0.732	0.732	4.300	781	0	42.8	297.912568	250.896598
0	1.50E+00	0.900	0.900	0.732	0.732	4.100	778	0	42.8	297.290503	250.489503
0	1.50E+00	1.000	0.900	0.814	0.733	2.800	779	0	42.4	296.731844	250.082408
0	1.50E+00	1.000	0.900	0.814	0.733	6.300	778	0	42.7	296.179963	249.675313
0	1.50E+00	1.000	0.900	0.814	0.733	1.400	779	0	42.5	295.003846	249.440196
0	1.50E+00	1.000	0.900	0.814	0.733	4.800	780	0	42.8	293.627366	249.244118
0	1.50E+00	1.000	0.900	0.814	0.733	2.300	780	0	42.9	293.2	249.048039
0	1.50E+00	1.000	0.900	0.814	0.733	4.600	779	0	43	292.6435	249
0	1.60E+00	1.100	0.900	0.896	0.733	3.800	778	0	42.7	292.5	249
0	1.60E+00	1.100	0.900	0.896	0.733	2.400	780	0	42.7	291.801292	249
0	1.60E+00	1.100	0.900	0.896	0.733	6.800	788	0	42.9	290.824975	249.084353
0	1.60E+00	1.100	0.900	0.896	0.733	1.300	829	0.29	42.1	289.894737	249.287124
0	1.60E+00	1.100	0.900	0.896	0.733	5.400	892	1.565	41.2	288.791657	249.489895
0.7	1.70E+00	1.200	0.900	0.976	0.732	2.300	1054	2.982	57.8	288.081118	253.968284
0.8	1.70E+00	1.200	0.900	0.970	0.728	4.700	1481	4.578	90.8	287.507886	263.526893
4.1	1.80E+00	1.300	0.900	1.038	0.719	4.200	1710	7.491	79	287.008175	273.085501
4.3	2.10E+00	1.800	0.900	1.387	0.706	5.800	1883	9.754	84.3	286.291434	283.419033
9	4.60E+00	4.900	1.000	3.821	0.778	6.800	2047	13.316	77	285.029035	314.50329
9.4	7.10E+00	8.100	1.000	6.295	0.781	3.600	2070	16.324	72.5	283.010183	345.587546
15.7	8.30E+00	9.600	1.000	7.546	0.789	7.600	1733	18.483	60.3	281.475149	374.440421
15.9	8.70E+00	9.900	1.000	7.892	0.798	3.100	1647	19.622	56.6	280.185094	366.377631
19.7	8.40E+00	9.400	1.000	7.571	0.803	5.000	1726	20.393	68.2	278.851918	358.314841
19.7	7.40E+00	8.300	1.000	6.575	0.796	4.400	1784	20.624	74.4	277.410828	354.480099
20.8	6.50E+00	7.300	1.000	5.718	0.788	5.000	1812	21.611	79	276.78965	363.063166
20.9	5.80E+00	6.400	1.000	5.022	0.781	10.800	1918	22.738	83.7	276.232325	371.646232
22.6	5.40E+00	5.800	1.100	4.528	0.855	7.000	1981	23.878	79.9	275.591697	380.229299
22.7	5.10E+00	5.400	1.100	4.213	0.856	11.100	1982	24.965	77.8	274.482299	384.903799
24.7	4.90E+00	5.200	1.100	4.061	0.858	8.400	1743	26.064	76.1	273.284292	388.702819
24.8	4.90E+00	5.100	1.100	3.991	0.861	10.700	1523	27.245	76.5	272.441082	392.501838
27.3	4.90E+00	5.100	1.100	4.004	0.864	7.200	1529	28.206	70.6	271.734628	385.128894
27.4	4.90E+00	5.100	1.100	4.019	0.867	6.100	1550	28.57	38.5	271.07843	368.725449
29	4.90E+00	5.100	1.100	4.069	0.878	9.800	1528	28.255	3.4	270.8	352.322003
28.9	4.80E+00	4.800	1.100	3.927	0.897	7.100	1466	27.113	0	270.8	333.715686
28	4.10E+00	3.800	1.100	3.203	0.918	11.600	1334	24.695	0	270.8	314.440179
27.7	3.40E+00	3.000	1.000	2.553	0.851	6.200	1188	22.021	4.8	270.249314	295.164673
23.2	3.10E+00	2.700	0.900	2.297	0.770	8.800	1145	20.373	3.3	269.486154	287.964805
23.1	2.50E+00	2.100	0.900	1.741	0.763	6.600	1409	19.87	38	269.4	284.620221
20.3	2.30E+00	1.800	0.900	1.510	0.751	9.500	1696	20.411	68.7	268.933577	281.275637
20.3	2.10E+00	1.700	0.900	1.378	0.730	10.800	1805	21.487	73.1	268.994909	283.215509
21.3	2.10E+00	1.700	1.000	1.344	0.783	8.000	1813	22.36	60.4	269.4	290.461018
21.4	2.40E+00	1.900	1.100	1.495	0.869	11.600	1613	22.34	10.5	269.533636	297.706527
23	2.50E+00	2.100	1.000	1.691	0.814	9.600	1364	21.692	0.5	270.1	301.962455
22.9	2.60E+00	2.100	1.000	1.737	0.827	12.700	1298	20.619	4.5	270.1	290.405569
21.3	2.60E+00	2.100	1.000	1.762	0.839	8.100	1236	19.989	6.1	270.1	278.848683

0.81991	0.17204	4.64538	5512.118
0.81994	0.17208	4.64662	5513.267
0.81997	0.1721	4.64786	5514.414
0.82	0.17213	4.6491	5515.563
0.82003	0.17216	4.65034	5516.712
0.82006	0.17218	4.65158	5517.86
0.82009	0.17222	4.65282	5519.007
0.82012	0.17223	4.65406	5520.155
0.82015	0.17226	4.6553	5521.296
0.82018	0.17227	4.65654	5522.443
0.82021	0.1723	4.65767	5523.59
0.82024	0.17232	4.65879	5524.735
0.82027	0.17234	4.65991	5525.885
0.82031	0.17238	4.66103	5527.038
0.82035	0.17239	4.66225	5528.292
0.82039	0.17243	4.66353	5529.6
0.82044	0.17245	4.66522	5531.237
0.82051	0.17251	4.66755	5533.921
0.8206	0.17258	4.671	5537.896
0.82078	0.17273	4.67692	5545.769
0.82127	0.17295	4.68284	5556.279
0.82202	0.17307	4.68694	5566.432
0.82262	0.17324	4.68941	5572.652
0.82313	0.1733	4.69143	5577.081
0.8236	0.17338	4.69422	5580.918
0.824	0.17345	4.69739	5585.073
0.82436	0.17353	4.70025	5589.883
0.82473	0.17374	4.70374	5595.968
0.82511	0.17389	4.707	5603.076
0.82549	0.17414	4.71002	5610.532
0.82583	0.17431	4.71292	5617.209
0.82614	0.17451	4.71574	5623.122
0.82643	0.17464	4.71822	5628.44
0.82669	0.17474	4.72	5632.972
0.82689	0.17486	4.72157	5635.943
0.82705	0.17493	4.7222	5637.706
0.82717	0.17504	4.72288	5638.588
0.82726	0.17509	4.7237	5639.008
0.82733	0.17515	4.72463	5639.282
0.82742	0.17522	4.72651	5639.683
0.82753	0.17536	4.72913	5641.084
0.82765	0.17555	4.73469	5644.427
0.82778	0.1757	4.73946	5649.471
0.82789	0.17586	4.74115	5653.237
0.82797	0.17595	4.74159	5655.256
0.82805	0.17606	4.74162	5656.38
0.82812	0.17612	4.74231	5656.985

12:03:17.216	-7	0.00007	0.0001	0.00108	0.496	0.000048
12:03:18.216	-7	0.00007	0.00016	0.00158	0.643	0.000063
12:03:19.216	-7	0.00008	0.00016	0.00326	1.567	0.000152
12:03:20.216	-7	0.00008	0.0002	0.00479	3.089	0.000299
12:03:21.216	-7	0.00009	0.00017	0.00393	4.297	0.000416
12:03:22.216	-7	0.00009	0.0002	0.00255	4.562	0.000441
12:03:23.216	-7	0.00007	0.00015	0.00156	2.907	0.000281
12:03:24.216	-7	0.00005	0.00013	0.00082	1.694	0.000164
12:03:25.216	-7	0.00005	0.0001	0.00048	0.874	0.000085
12:03:26.216	-7	0.00005	0.00008	0.0008	0.664	0.000064
12:03:27.216	-7	0.00008	0.00019	0.00207	1.223	0.000119
12:03:28.216	-7	0.00012	0.00023	0.00826	4.27	0.000414
12:03:29.216	-7	0.00017	0.00043	0.00765	8.1	0.000783
12:03:30.216	-7	0.00025	0.00031	0.00472	8.612	0.000832
12:03:31.216	-7	0.00029	0.00023	0.00292	7.262	0.000702
12:03:32.216	-7	0.00024	0.00018	0.00212	5.301	0.000512
12:03:33.216	-7	0.00022	0.00005	0.0027	4.682	0.000453
12:03:34.216	-7	0.0002	0.00007	0.00275	4.394	0.000425
12:03:35.216	-7	0.00018	0	0.00245	3.942	0.000381
12:03:36.216	-7	0.00014	0.00003	0.00191	3.278	0.000317
12:03:37.216	-7	0.00012	0.00001	0.00128	2.711	0.000262
12:03:38.216	-7	0.00011	0.00007	0.00073	1.607	0.000156
12:03:39.216	-7	0.00008	0.00006	0.00067	0.847	0.000082
12:03:40.216	-7	0.00006	0.00003	0.00034	0.438	0.000042
12:03:41.216	-7	0.00005	0.00003	0.00081	0.269	0.000026
12:03:42.216	-7	0.00004	0.00001	0.00085	0.204	0.00002
12:03:43.216	-7	0.00003	0.00002	0.0008	0.199	0.000019
12:03:44.216	-7	0.00003	0.00001	0.00086	0.263	0.000026
12:03:45.216	-7	0.00003	0.00002	0.00087	0.314	0.00003
12:03:46.216	-7	0.00003	0.00003	0.00109	0.403	0.000039
12:03:47.216	-7	0.00003	0.00001	0.00137	0.539	0.000052
12:03:48.216	-7	0.00003	0.00003	0.00143	0.668	0.000065
12:03:49.216	-7	0.00003	0	0.0013	0.769	0.000075
12:03:50.216	-7	0.00003	0.00003	0.00114	0.802	0.000078
12:03:51.216	-7	0.00003	0.00001	0.00121	0.791	0.000077
12:03:52.216	-7	0.00003	0.00002	0.0012	0.795	0.000077
12:03:53.216	-7	0.00002	0.00002	0.00112	0.777	0.000075
12:03:54.216	-7	0.00002	0.00001	0.00109	0.827	0.00008
12:03:55.216	-7.3	0.00002	0.00003	0.00106	0.931	0.00009
12:03:56.216	-7.6	0.00002	0.00001	0.00101	0.958	0.000093
12:03:57.216	-7.3	0.00003	0.00004	0.00101	0.877	0.000085
12:03:58.216	-8	0.00003	0.00002	0.00123	0.815	0.000079
12:03:59.216	-8	0.00003	0.00003	0.00134	0.818	0.000079
12:04:00.216	-7.6	0.00003	0.00002	0.00125	0.903	0.000088
12:04:01.216	-7	0.00003	0.00002	0.00136	1.045	0.000101
12:04:02.216	-7	0.00003	0.00004	0.00162	1.124	0.000109
12:04:03.216	-7	0.00003	0.00002	0.00143	1.213	0.000118

21.2	2.30E+00	1.900	0.800	1.619	0.676	10.200
19.7	2.00E+00	1.600	0.800	1.355	0.674	15.300
19.7	1.80E+00	1.400	0.700	1.168	0.588	11.800
19.8	1.70E+00	1.400	0.700	1.130	0.565	13.700
19.9	1.70E+00	1.400	0.800	1.111	0.629	10.400
21.4	1.70E+00	1.400	0.800	1.104	0.631	12.200
21.4	1.80E+00	1.500	0.800	1.193	0.637	13.000
22.2	1.90E+00	1.500	0.800	1.217	0.649	14.400
22.1	1.90E+00	1.500	0.800	1.242	0.663	14.300
19.3	1.80E+00	1.500	0.700	1.258	0.587	9.700
19.2	1.80E+00	1.400	0.700	1.177	0.585	14.200
17.6	1.70E+00	1.400	0.700	1.132	0.566	10.900
17.7	1.90E+00	1.600	0.800	1.246	0.623	15.700
20.4	2.70E+00	2.700	0.800	2.078	0.626	11.400
20.6	3.40E+00	3.600	0.800	2.807	0.630	9.200
23.9	3.60E+00	3.800	0.800	3.009	0.635	9.000
24	3.70E+00	3.900	0.800	3.097	0.635	2.600
26.2	3.70E+00	3.900	0.700	3.094	0.562	4.200
26.3	3.60E+00	3.900	0.700	3.089	0.554	0.000
28	3.60E+00	3.800	0.700	3.009	0.554	2.900
28	3.40E+00	3.600	0.700	2.871	0.557	1.100
28.1	3.40E+00	3.500	0.700	2.864	0.572	7.100
28	2.90E+00	2.900	0.600	2.428	0.504	6.500
26.5	2.30E+00	2.100	0.600	1.787	0.506	3.300
26.3	2.00E+00	1.800	0.500	1.541	0.431	4.000
21.6	1.60E+00	1.400	0.500	1.197	0.425	1.300
21.3	1.50E+00	1.200	0.500	1.026	0.425	3.800
15.9	1.40E+00	1.100	0.500	0.938	0.424	2.100
15.5	1.30E+00	1.000	0.500	0.852	0.423	3.500
9.1	1.30E+00	1.000	0.500	0.842	0.421	4.000
9	1.30E+00	1.000	0.500	0.838	0.419	1.000
7.2	1.30E+00	1.000	0.500	0.834	0.417	5.000
7.2	1.20E+00	1.000	0.500	0.831	0.416	0.000
7.7	1.20E+00	1.000	0.500	0.830	0.415	4.100
7.7	1.20E+00	1.000	0.500	0.829	0.415	2.000
8.5	1.30E+00	1.000	0.600	0.829	0.497	2.600
8.5	1.20E+00	0.900	0.500	0.751	0.414	3.800
9.3	1.20E+00	0.900	0.500	0.742	0.412	2.300
9.3	1.10E+00	0.900	0.500	0.739	0.410	4.000
8.5	1.10E+00	0.900	0.500	0.738	0.410	2.000
8.2	1.20E+00	0.900	0.600	0.741	0.494	6.400
4	1.20E+00	0.900	0.600	0.742	0.495	2.700
3.8	1.20E+00	0.900	0.600	0.742	0.495	4.400
0	1.20E+00	0.900	0.600	0.740	0.493	3.700
0	1.20E+00	0.900	0.600	0.737	0.491	3.400
0	1.30E+00	0.900	0.700	0.734	0.571	6.300
0	1.30E+00	0.900	0.700	0.732	0.570	2.800

1438	19.42	42	269.49055	267.291796
1534	19.25	51.2	269.948631	270.825
1614	19.579	62.1	270.1	277.693132
1718	20.458	70.5	270.538377	284.561264
1742	21.318	63	270.8	287.813666
1660	21.73	41.4	271.0744	288.022996
1507	21.579	11.4	271.812625	288.232327
1289	19.75	6.2	272.8	286.718488
1198	18.274	10.9	272.8	278.268679
1324	17.529	35.7	272.8	269.818869
1602	17.39	86.2	272.938626	263.369104
1873	18.751	80.6	274.187511	294.135846
2010	20.588	76	275.389464	324.902588
2039	22.652	74.2	276.200875	355.66933
1991	24.068	63.6	277.333121	360.692291
1620	25.224	69.4	279.487949	364.642593
1510	26.361	68.3	280.208807	368.592896
1533	27.072	64.4	280.846	364.457304
1542	27.625	57.5	281.38905	358.558771
1521	27.95	26	281.6	352.660238
1491	27.522	0	281.6	339.424596
1441	26.503	0	281.36432	320.161564
1358	25.255	0	281	300.898532
1235	22.734	0.9	281	283.804171
1161	20.057	5.9	280.905146	274.819197
1096	17.251	10.9	280.304803	265.834223
980	13.678	20	280.3	256.849249
1040	10.365	19.9	279.606306	254.102539
983	8.912	25.8	279.6	251.68416
882	7.987	29.5	279.11	249.26578
829	7.191	30	279.337179	247.90009
824	7.169	29.1	278.937651	247.121414
892	8.226	29.1	278.3	246.342737
1010	8.69	33.5	278.3	245.8
1048	8.69	40.4	278.3	245.8
1071	8.69	40.7	278.3	245.8
1031	8.69	30	277.6049	245.8
983	8.69	23.8	277.6	244.15375
868	7.55	26.6	277.6	242.420854
821	5.195	31.4	277.130573	240.687959
809	2.948	38.6	276.9	240.927407
785	1.491	44	276.9	242.465395
779	0.476	43.4	276.9	244.003384
778	0	45	276.9	245.866462
784	0	48.1	276.9	248.328
808	0	43.8	276.9	250.789538
844	0	43.4	276.809554	253.059493

0.82819	0.17622	4.74339	5657.481
0.82826	0.17638	4.74497	5658.124
0.82834	0.17654	4.74823	5659.691
0.82842	0.17674	4.75302	5662.78
0.82851	0.17691	4.75695	5667.077
0.8286	0.17711	4.7595	5671.639
0.82867	0.17726	4.76106	5674.546
0.82872	0.17739	4.76188	5676.24
0.82877	0.17749	4.76236	5677.114
0.82882	0.17757	4.76316	5677.778
0.8289	0.17776	4.76523	5679.001
0.82902	0.17799	4.77349	5683.271
0.82919	0.17842	4.78114	5691.371
0.82944	0.17873	4.78586	5699.983
0.82973	0.17896	4.78878	5707.245
0.82997	0.17914	4.7909	5712.546
0.83019	0.17919	4.7936	5717.228
0.83039	0.17926	4.79635	5721.622
0.83057	0.17926	4.7988	5725.564
0.83071	0.17929	4.80071	5728.842
0.83083	0.1793	4.80199	5731.553
0.83094	0.17937	4.80272	5733.16
0.83102	0.17943	4.80339	5734.007
0.83108	0.17946	4.80373	5734.445
0.83113	0.17949	4.80454	5734.714
0.83117	0.1795	4.80539	5734.918
0.8312	0.17952	4.80619	5735.117
0.83123	0.17953	4.80705	5735.38
0.83126	0.17955	4.80792	5735.694
0.83129	0.17958	4.80901	5736.097
0.83132	0.17959	4.81038	5736.636
0.83135	0.17962	4.81181	5737.304
0.83138	0.17962	4.81311	5738.073
0.83141	0.17965	4.81425	5738.875
0.83144	0.17966	4.81546	5739.666
0.83147	0.17968	4.81666	5740.461
0.83149	0.1797	4.81778	5741.238
0.83151	0.17971	4.81887	5742.065
0.83153	0.17974	4.81993	5742.996
0.83155	0.17975	4.82094	5743.954
0.83158	0.17979	4.82195	5744.831
0.83161	0.17981	4.82318	5745.646
0.83164	0.17984	4.82452	5746.464
0.83167	0.17986	4.82577	5747.367
0.8317	0.17988	4.82713	5748.412
0.83173	0.17992	4.82875	5749.536
0.83176	0.17994	4.83018	5750.749

12:04:04.216	-7	0.00003	0.00004	0.00132	1.271	0.000123
12:04:05.216	-7	0.00003	0.00003	0.0012	1.271	0.000123
12:04:06.216	-7.4	0.00003	0.00003	0.00114	1.253	0.000121
12:04:07.216	-7.7	0.00003	0.00003	0.00128	1.341	0.00013
12:04:08.216	-7	0.00003	0.00002	0.00129	1.272	0.000123
12:04:09.216	-7	0.00003	0.00005	0.00125	1.275	0.000124
12:04:10.216	-7	0.00003	0.00002	0.00128	1.464	0.000142
12:04:11.216	-7.4	0.00003	0.00005	0.00115	1.466	0.000142
12:04:12.216	-8	0.00003	0.00003	0.00113	1.369	0.000132
12:04:13.216	-8	0.00003	0.00004	0.00118	1.363	0.000132
12:04:14.216	-8	0.00003	0.00003	0.00124	1.429	0.000138
12:04:15.216	-8	0.00004	0.00002	0.00129	1.374	0.000133
12:04:16.216	-7.7	0.00004	0.00004	0.00142	1.274	0.000123
12:04:17.216	-7	0.00004	0.00001	0.00164	1.43	0.000139
12:04:18.216	-7.3	0.00006	0.00007	0.00218	2.253	0.000218
12:04:19.216	-7.7	0.00007	0.00004	0.00303	3.448	0.000334
12:04:20.216	-7	0.00007	0.00012	0.00372	4.424	0.000428
12:04:21.216	-7	0.00009	0.00012	0.00236	4.782	0.000462
12:04:22.216	-7	0.0001	0.00006	0.00191	4.329	0.000418
12:04:23.216	-7.4	0.0001	0.00011	0.0017	3.73	0.00036
12:04:24.216	-7.7	0.00009	0.00007	0.00186	2.963	0.000287
12:04:25.216	-7.4	0.00008	0.00012	0.00161	2.286	0.000221
12:04:26.216	-7.7	0.00008	0.00008	0.00112	1.827	0.000177
12:04:27.216	-7.3	0.00007	0.00009	0.00141	1.578	0.000153
12:04:28.216	-8	0.00007	0.00009	0.00101	1.522	0.000147
12:04:29.216	-8	0.00007	0.00009	0.00213	1.732	0.000168
12:04:30.216	-7.6	0.00007	0.00012	0.00257	2.156	0.000209
12:04:31.216	-7.4	0.00007	0.00013	0.00226	2.437	0.000236
12:04:32.216	-8	0.00007	0.00018	0.0018	2.389	0.000231
12:04:33.216	-8	0.00007	0.00011	0.00165	2.201	0.000213
12:04:34.216	-8	0.00006	0.00012	0.00161	2.021	0.000196
12:04:35.216	-7.7	0.00006	0.00011	0.00122	1.75	0.000169
12:04:36.216	-7.4	0.00006	0.00007	0.0014	1.389	0.000135
12:04:37.216	-8	0.00006	0.00008	0.00171	1.333	0.000129
12:04:38.216	-8	0.00006	0.00006	0.00169	1.372	0.000133
12:04:39.216	-8	0.00006	0.00009	0.00162	1.375	0.000133
12:04:40.216	-8	0.00006	0.00007	0.00184	1.505	0.000146
12:04:41.216	-8	0.00006	0.00011	0.00178	1.744	0.000169
12:04:42.216	-8	0.00006	0.00011	0.00169	1.919	0.000186
12:04:43.216	-8	0.00005	0.00011	0.00156	1.863	0.00018
12:04:44.216	-7.6	0.00004	0.00012	0.00133	1.605	0.000155
12:04:45.216	-7	0.00004	0.0001	0.0012	1.348	0.000131
12:04:46.216	-7.3	0.00004	0.0001	0.00083	1.07	0.000104
12:04:47.216	-8	0.00003	0.00006	0.00082	0.801	0.000078
12:04:48.216	-8	0.00003	0.00006	0.00107	0.654	0.000063
12:04:49.216	-8	0.00003	0.00004	0.00134	0.623	0.000061
12:04:50.216	-8	0.00003	0.00004	0.0014	0.643	0.000062

0	1.30E+00	0.900	0.700	0.730	0.568	6.300
0.1	1.30E+00	0.900	0.700	0.730	0.568	4.200
1.4	1.30E+00	0.900	0.700	0.729	0.567	5.200
1.4	1.40E+00	1.000	0.700	0.802	0.567	4.900
1.2	1.40E+00	1.000	0.700	0.811	0.568	2.300
1.2	1.40E+00	1.000	0.700	0.810	0.567	6.900
1.3	1.40E+00	1.000	0.700	0.808	0.566	2.100
1.3	1.40E+00	1.000	0.700	0.807	0.565	6.500
2	1.40E+00	1.000	0.700	0.807	0.565	3.800
2.1	1.40E+00	1.000	0.700	0.807	0.565	5.600
3.1	1.50E+00	1.100	0.700	0.888	0.565	4.200
3.1	1.50E+00	1.100	0.700	0.892	0.567	2.400
3.3	1.50E+00	1.100	0.700	0.896	0.570	5.800
3.3	1.50E+00	1.100	0.700	0.897	0.571	1.700
4.4	1.50E+00	1.000	0.800	0.817	0.642	5.800
4.6	1.40E+00	1.000	0.800	0.799	0.639	2.600
7.7	1.40E+00	1.000	0.800	0.788	0.631	7.500
7.9	1.70E+00	1.400	0.800	1.092	0.627	7.800
11.3	2.20E+00	2.000	0.800	1.547	0.627	4.300
11.4	2.40E+00	2.200	0.800	1.731	0.629	8.200
13.8	2.50E+00	2.200	0.900	1.744	0.714	6.400
13.8	2.50E+00	2.200	0.900	1.762	0.721	12.400
13.3	2.50E+00	2.200	0.900	1.776	0.726	8.400
13.3	2.40E+00	2.100	0.900	1.711	0.733	10.200
12.5	2.20E+00	1.800	0.900	1.481	0.736	9.300
12.5	2.10E+00	1.800	0.800	1.466	0.652	8.500
12.5	2.00E+00	1.700	0.800	1.372	0.646	10.800
12.5	2.00E+00	1.700	0.800	1.364	0.642	11.800
13.2	2.10E+00	1.700	0.900	1.361	0.720	16.900
13.2	2.10E+00	1.700	0.900	1.361	0.720	11.200
13.2	2.10E+00	1.700	0.900	1.365	0.723	12.800
13.2	2.10E+00	1.700	0.900	1.377	0.729	11.700
12.4	2.10E+00	1.600	0.900	1.315	0.736	7.800
12.4	2.00E+00	1.500	0.900	1.228	0.737	9.400
12.3	2.00E+00	1.500	0.900	1.227	0.736	7.100
12.3	2.00E+00	1.500	0.900	1.229	0.737	10.100
11.6	1.90E+00	1.400	0.900	1.151	0.736	7.600
11.6	1.80E+00	1.300	0.900	1.063	0.731	11.200
12.5	1.70E+00	1.200	0.900	0.975	0.727	10.900
12.5	1.70E+00	1.200	0.900	0.966	0.725	11.900
12.8	1.70E+00	1.200	0.900	0.967	0.725	15.400
12.7	1.70E+00	1.200	0.900	0.972	0.729	13.700
11.6	1.70E+00	1.200	0.900	0.981	0.736	15.600
11.5	1.70E+00	1.100	0.900	0.915	0.742	9.800
10.1	1.70E+00	1.100	0.900	0.913	0.747	9.400
10.1	1.50E+00	0.900	0.900	0.756	0.749	6.700
9.2	1.30E+00	0.700	0.800	0.587	0.665	6.400

839	0.485	46.8	276.2	253.642753
793	0.62	43.6	276.2	254.226013
776	0.62	44.7	276.2	254.809274
846	0.939	46.6	276.2	255.844081
847	0.972	48.1	276.2	257.098287
781	0.62	46.4	276.2	258.352493
809	0.892	43.3	276.2	259.018407
905	1.869	44.1	276.2	258.816445
797	2.433	37.3	276.2	258.614484
779	3.005	35.5	276.2	258.412522
846	3.11	47.6	276.2	257.257143
892	3.425	46.2	276.2	256.038745
961	3.73	48.6	276.2	254.820347
1169	4.302	61.8	276.2	259.057691
1447	5.819	69.8	276.2	266.16867
1643	7.92	71.6	276.2	273.279649
1654	9.66	72.3	276.415582	281.151477
1643	11.636	69.8	276.9	290.850376
1606	12.834	55.2	276.9	300.549276
1603	13.501	49.9	277.527256	310.248176
1582	13.305	44.8	277.6	303.105085
1489	13.04	31.9	277.12569	292.753995
1409	12.752	33.2	276.9	282.402906
1419	12.214	45.5	276.9	277.234427
1462	11.901	52.1	276.608632	276.552387
1499	12.42	52	276.2	275.870348
1524	12.42	52.1	276.2	275.690417
1541	12.52	51.4	276.2	276.107083
1538	12.996	48.3	276.048408	276.52375
1396	12.432	29.9	275.424319	276.380908
1370	11.939	31.1	274.9	271.029447
1419	12.205	40.3	274.9	265.677987
1396	12.072	37.3	274.398726	260.326526
1365	11.545	38.2	273.324364	256.608088
1363	11.18	43.1	272.399091	253.808227
1404	11.547	48.2	272.2	251.008365
1446	11.8	50.1	271.647222	252.153101
1471	12.206	48.6	270.866705	254.633825
1486	12.42	46.5	270.8	257.114549
1397	12.045	31.8	270.8	253.645251
1243	11.461	18	270.299282	248.337989
1141	10.885	17.2	269.673365	243.030726
1077	10.136	20.5	268.971975	238.602984
1000	9.208	22.2	268.014872	234.918453
951	8.593	25.1	267.012537	231.233922
925	8.07	23.7	266.3914	228.108276
931	8.07	22.8	265.734313	226.589967

0.83179	0.17998	4.8315	5752.02
0.83182	0.18001	4.8327	5753.291
0.83185	0.18004	4.83384	5754.544
0.83188	0.18007	4.83512	5755.885
0.83191	0.18009	4.83641	5757.157
0.83194	0.18014	4.83766	5758.432
0.83197	0.18016	4.83894	5759.896
0.832	0.18021	4.84009	5761.362
0.83203	0.18024	4.84122	5762.731
0.83206	0.18028	4.8424	5764.094
0.83209	0.18031	4.84364	5765.523
0.83213	0.18033	4.84493	5766.897
0.83217	0.18037	4.84635	5768.171
0.83221	0.18038	4.84799	5769.601
0.83227	0.18045	4.85017	5771.854
0.83234	0.18049	4.8532	5775.302
0.83241	0.18061	4.85692	5779.726
0.8325	0.18073	4.85928	5784.508
0.8326	0.18079	4.86119	5788.837
0.8327	0.1809	4.86289	5792.567
0.83279	0.18097	4.86475	5795.53
0.83287	0.18109	4.86636	5797.816
0.83295	0.18117	4.86748	5799.643
0.83302	0.18126	4.86889	5801.221
0.83309	0.18135	4.8699	5802.743
0.83316	0.18144	4.87203	5804.475
0.83323	0.18156	4.8746	5806.631
0.8333	0.18169	4.87686	5809.068
0.83337	0.18187	4.87866	5811.457
0.83344	0.18198	4.88031	5813.658
0.8335	0.1821	4.88192	5815.679
0.83356	0.18221	4.88314	5817.429
0.83362	0.18228	4.88454	5818.818
0.83368	0.18236	4.88625	5820.151
0.83374	0.18242	4.88794	5821.523
0.8338	0.18251	4.88956	5822.898
0.83386	0.18258	4.8914	5824.403
0.83392	0.18269	4.89318	5826.147
0.83398	0.1828	4.89487	5828.066
0.83403	0.18291	4.89643	5829.929
0.83407	0.18303	4.89776	5831.534
0.83411	0.18313	4.89896	5832.882
0.83415	0.18323	4.89979	5833.952
0.83418	0.18329	4.90061	5834.753
0.83421	0.18335	4.90168	5835.407
0.83424	0.18339	4.90302	5836.03
0.83427	0.18343	4.90442	5836.673

12:04:51.216	-7.6	0.00003	0.00003	0.00127	0.663	0.000064
12:04:52.216	-7.3	0.00003	0.00001	0.00118	0.693	0.000067
12:04:53.216	-8	0.00003	0.00003	0.00116	0.706	0.000069
12:04:54.216	-8	0.00003	0	0.00112	0.69	0.000067
12:04:55.216	-8	0.00003	0.00002	0.00107	0.724	0.00007
12:04:56.216	-8	0.00003	0.00002	0.00106	0.81	0.000079
12:04:57.216	-8	0.00003	0.00001	0.00115	0.821	0.00008
12:04:58.216	-8	0.00003	0.00003	0.00122	0.917	0.000089
12:04:59.216	-8	0.00003	0.00002	0.0014	0.985	0.000095
12:05:00.216	-8	0.00003	0.00005	0.00127	1.023	0.000099
12:05:01.216	-8	0.00003	0.00001	0.00116	1.062	0.000103
12:05:02.216	-8	0.00003	0.00004	0.00122	1.126	0.000109
12:05:03.216	-8	0.00003	0.00003	0.00112	1.163	0.000113
12:05:04.216	-7.6	0.00003	0.00004	0.00115	1.216	0.000118
12:05:05.216	-7	0.00003	0.00004	0.00108	1.262	0.000122
12:05:06.216	-7	0.00003	0.00003	0.00122	1.236	0.00012
12:05:07.216	-7.4	0.00003	0.00005	0.00125	1.208	0.000117
12:05:08.216	-8	0.00004	0.00002	0.00107	1.085	0.000105
12:05:09.216	-7.7	0.00004	0.00004	0.00125	0.942	0.000091
12:05:10.216	-7.3	0.00004	0.00002	0.00114	0.838	0.000081
12:05:11.216	-7.6	0.00004	0.00002	0.00131	0.779	0.000076
12:05:12.216	-7	0.00003	0.00003	0.00136	0.745	0.000072
12:05:13.216	-7.4	0.00003	0.00001	0.00136	0.74	0.000072
12:05:14.216	-8	0.00003	0.00004	0.00131	0.762	0.000074
12:05:15.216	-8	0.00003	0.00002	0.00113	0.77	0.000075
12:05:16.216	-7.6	0.00003	0.00004	0.00124	0.772	0.000075
12:05:17.216	-7	0.00003	0.00002	0.00116	0.623	0.000061
12:05:18.216	-7	0.00002	0.00001	0.00058	0.287	0.000028
12:05:19.216	-7	0.00001	0.00002	0.00028	0.066	0.000006
12:05:20.216	-7	0.00001	0	0.00019	0.016	0.000002

9.2	1.20E+00	0.700	0.800	0.582	0.665	4.600
8.3	1.20E+00	0.700	0.800	0.581	0.664	1.100
8.2	1.20E+00	0.700	0.800	0.581	0.663	4.200
4.8	1.20E+00	0.700	0.800	0.580	0.663	0.500
4.8	1.20E+00	0.700	0.800	0.579	0.662	3.800
3.6	1.20E+00	0.700	0.800	0.578	0.661	2.600
3.4	1.20E+00	0.700	0.800	0.578	0.660	1.900
0	1.20E+00	0.700	0.800	0.577	0.659	3.800
0.1	1.20E+00	0.700	0.800	0.575	0.657	2.200
1.7	1.20E+00	0.700	0.800	0.573	0.654	7.700
1.7	1.30E+00	0.800	0.800	0.646	0.652	2.200
2.2	1.30E+00	0.800	0.800	0.651	0.651	5.900
2.2	1.30E+00	0.800	0.800	0.650	0.650	4.500
1.2	1.30E+00	0.800	0.800	0.650	0.650	5.800
1.1	1.50E+00	0.900	0.900	0.724	0.731	5.600
0	1.50E+00	1.000	0.900	0.812	0.731	5.100
0	1.50E+00	1.000	0.900	0.812	0.731	7.200
0	1.60E+00	1.100	0.900	0.890	0.734	3.500
0	1.60E+00	1.100	0.900	0.903	0.739	6.900
0	1.70E+00	1.100	0.900	0.908	0.743	3.600
0	1.70E+00	1.100	0.900	0.910	0.744	3.300
0	1.70E+00	1.100	0.900	0.912	0.746	5.300
0	1.70E+00	1.100	0.900	0.912	0.746	2.100
0	1.60E+00	1.100	0.800	0.910	0.669	7.000
0	1.60E+00	1.100	0.800	0.910	0.662	2.900
0	1.60E+00	1.100	0.800	0.911	0.662	5.600
0	1.60E+00	1.100	0.800	0.916	0.666	2.600
0	1.60E+00	1.100	0.800	0.925	0.673	3.300
0	1.60E+00	1.100	0.800	0.936	0.681	7.000
0	1.50E+00	1.000	0.800	0.860	0.682	3.700

873	7.518	23.9	265.2	225.071658
809	6.458	28.4	265.2	223.553349
823	5.442	29.8	265.2	223.4
802	4.378	30.4	264.729233	223.4
769	2.999	36.4	264.124886	223.4
783	1.333	38	263.8	224.158593
810	0.103	33.2	263.545675	225.867136
792	0.863	46.8	263.2	227.575678
792	2.041	44.5	262.500701	229.719797
784	2.378	44.4	261.522002	232.377307
774	1.814	46.9	261.1	235.034816
779	1.251	46.1	261.018653	237.466307
779	0.716	44.1	260.5	238.069099
780	0.139	42.9	260.5	238.671891
810	0	25.1	260.493688	239.274683
792	0	26.4	259.862489	236.299304
780	0	27.9	259.8	233.167053
778	0	28.2	259.8	230.034803
779	0	28.2	259.8	227.725662
781	0	28.6	259.527845	226.207353
784	0	28.4	259.1	224.689044
787	0	24.7	258.978455	223.138441
784	0	28.4	258.4	221.406262
780	0	28.3	258.4	219.674084
778	0	28.7	258.4	
779	0	29	258.335118	

0.8343	0.18346	4.90569	5837.336
0.83433	0.18347	4.90687	5838.029
0.83436	0.1835	4.90803	5838.735
0.83439	0.1835	4.90915	5839.425
0.83442	0.18352	4.91022	5840.149
0.83445	0.18354	4.91128	5840.959
0.83448	0.18355	4.91243	5841.78
0.83451	0.18358	4.91365	5842.697
0.83454	0.1836	4.91505	5843.682
0.83457	0.18365	4.91632	5844.705
0.8346	0.18366	4.91748	5845.767
0.83463	0.1837	4.9187	5846.893
0.83466	0.18373	4.91982	5848.056
0.83469	0.18377	4.92097	5849.272
0.83472	0.18381	4.92205	5850.534
0.83475	0.18384	4.92327	5851.77
0.83478	0.18389	4.92452	5852.978
0.83482	0.18391	4.92559	5854.063
0.83486	0.18395	4.92684	5855.005
0.8349	0.18397	4.92798	5855.843
0.83494	0.18399	4.92929	5856.622
0.83497	0.18402	4.93065	5857.367
0.835	0.18403	4.93201	5858.107
0.83503	0.18407	4.93332	5858.869
0.83506	0.18409	4.93445	5859.639
0.83509	0.18413	4.93569	5860.411
0.83512	0.18415	4.93685	5861.034
0.83514	0.18416	4.93743	5861.321
0.83515	0.18418	4.93771	5861.387
0.83516	0.18418	4.9379	5861.403