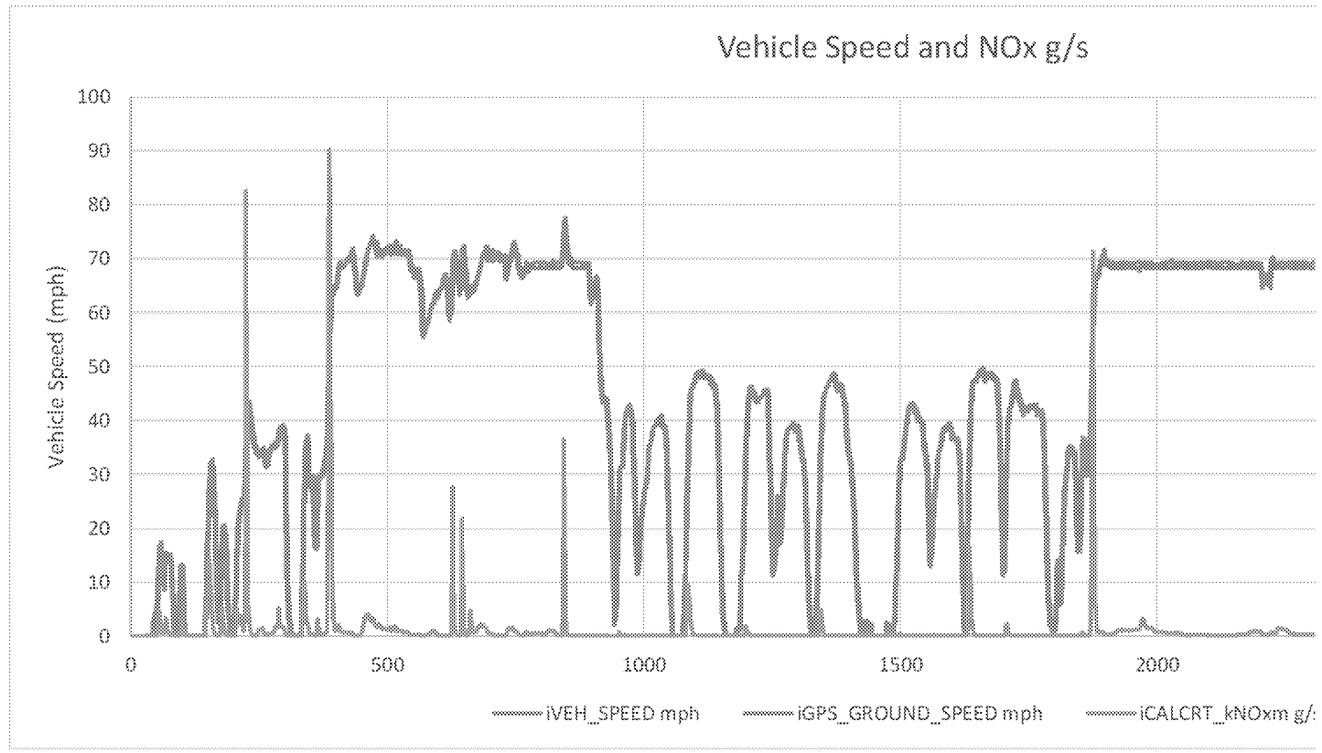
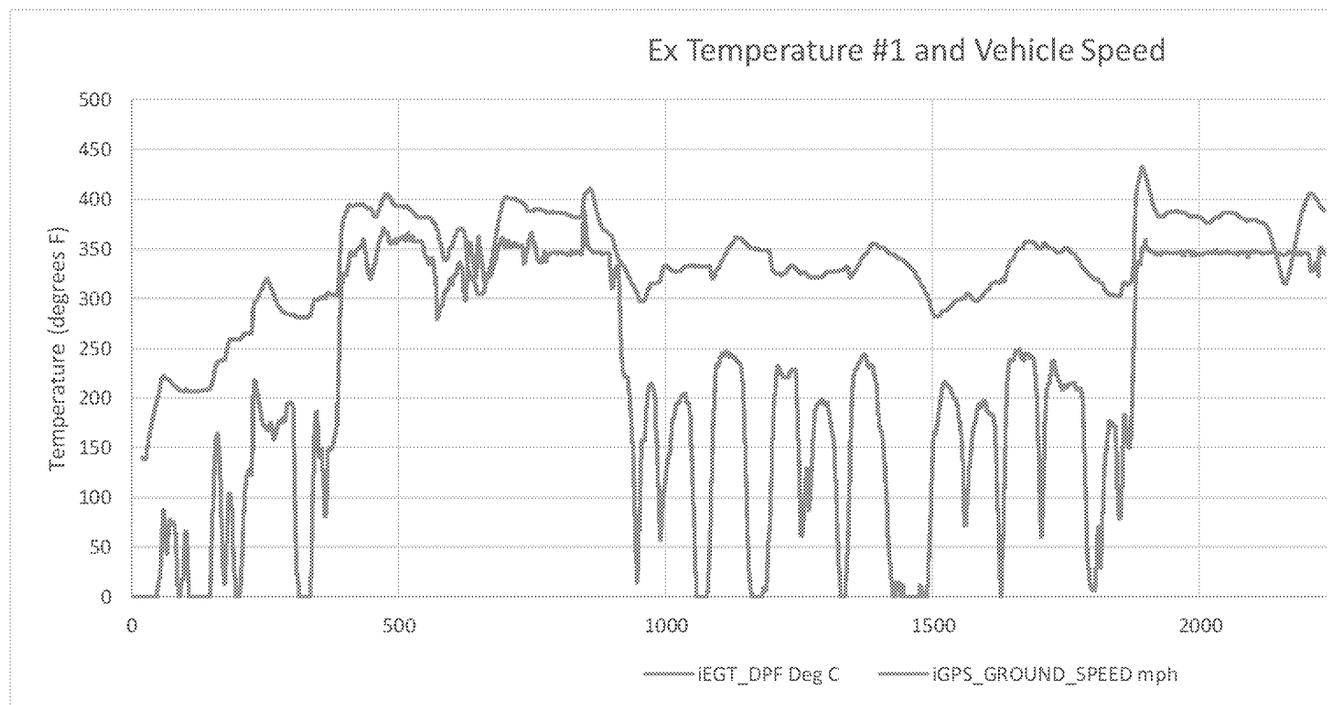
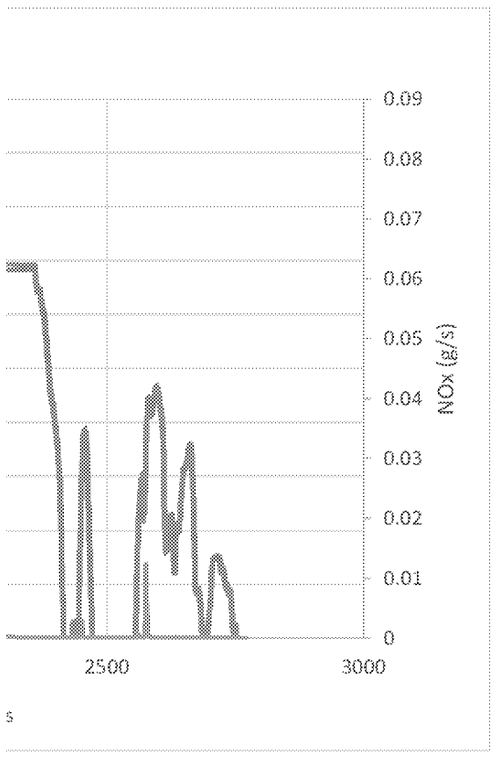
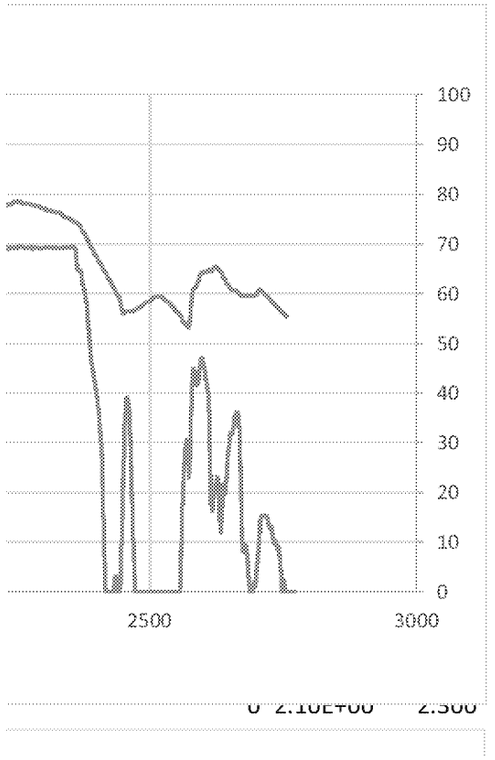
Test Duration (s)	2771
Calculated Test Duration (s)	2771
Average Ambient Temperature (deg C)	-7.02
Calculated Average Ambient Temperature (deg C)	-7.02
Total Distance Traveled (mi)	30.525
Calculated Total Distance Traveled (mi)	30.900
Total Fuel Consumed (gal)	1.545
Calculated Total Fuel Consumed (gal)	1.545
Overall Fuel Economy (mpg)	19.75
Calculated Overall Fuel Economy (mpg)	20.00
CO2 (g)	15983.35
Calculated CO2 (g)	15983.34
CO (g)	12.744
Calculated CO (g)	12.744
kNOx (g) (corrected NOx)	2.446
Calculated kNOx (g) (corrected NOx)	2.445
THC (g)	0.481
Calculated THC (g)	0.481
CO2 (g/mi)	523.6
Calculated CO2 (g/mi)	517.3
CO (g/mi)	0.418
Calculated CO (g/mi)	0.412
kNOx (g/mi) (corrected NOx)	0.080
Calculated kNOx (g/mi) (corrected NOx)	0.079
THC (g/mi)	0.016
Calculated THC (g/mi)	0.016
1st Measured ECT (deg)	n/a
Test Start Time	12:12:04.196
Test Stop Time	12:58:14.196
Average Speed (mph)	40.1
Regeneration Event?	No
Average SCR temp (deg)	333.5
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
12:12:04.196	-7	0	0	0	0	0



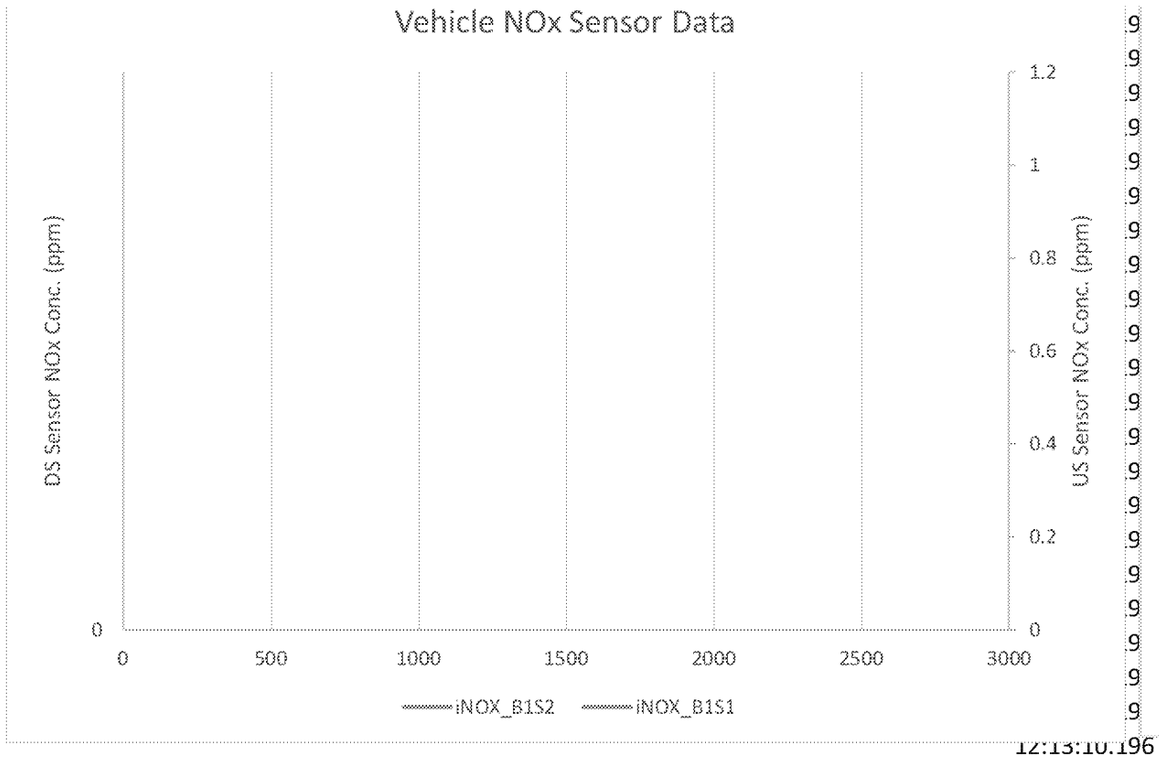


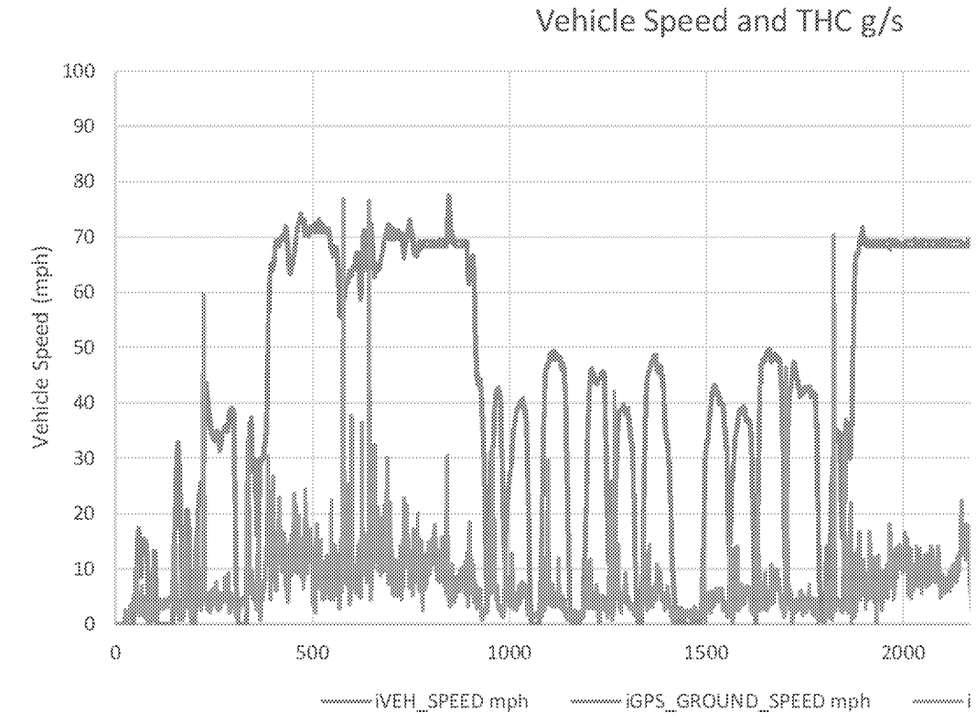




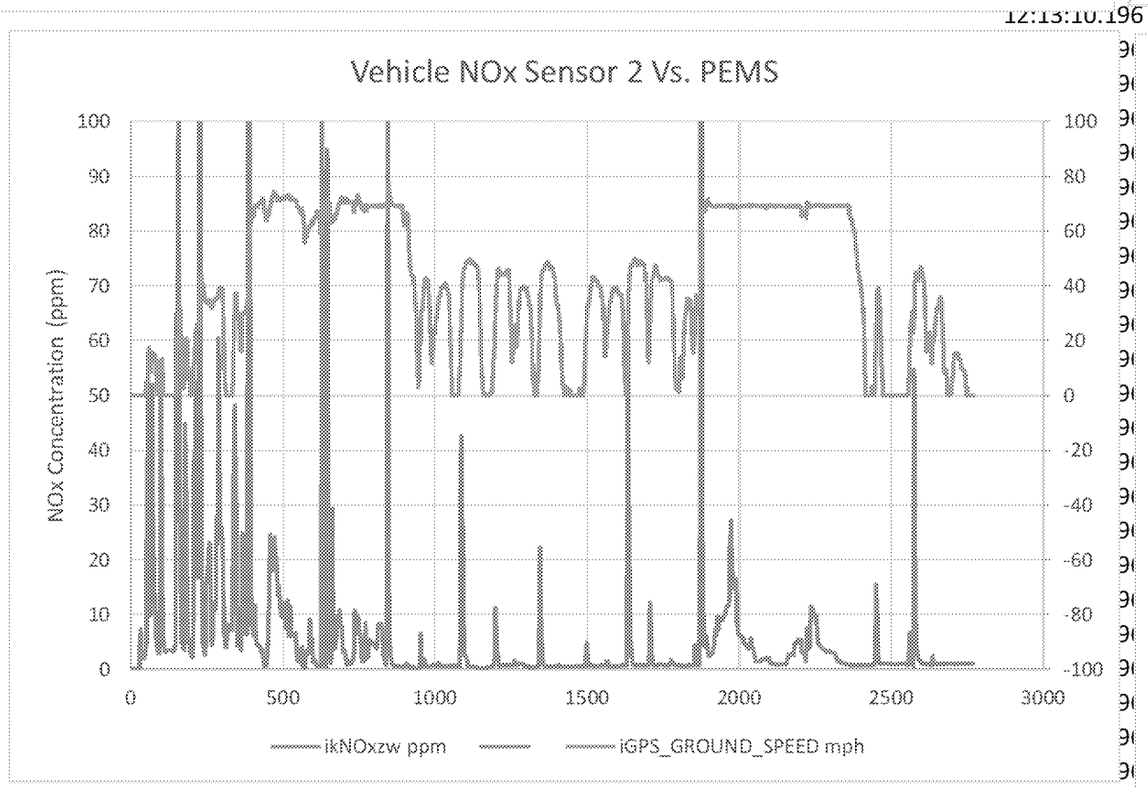
iGPS_GROUND_SPEED	ikNOxzw	iNDUV_NO	iNDUV_NO2	ikNOzw	ikNO2zw	iFID_THC	iCOOL_TEMP	iMAF	iENG_SPEED	iVEH_SPEED	iENG_LOAD	iEGT_DPF	iEGT_11	iNOX_B1S1	iNOX_B1S2
mph	ppm	ppm	ppm	ppm	ppm	ppmC	ECT deg F	g/s	rpm	mph	%	Deg C	Deg C		
0	-	-1.000	0.000	0.000	0.000	8.000									
			0.000	0.000	0.000	7.700									
			0.000	0.000	0.000	4.600									
			0.000	0.000	0.000	7.200									
			0.000	0.000	0.000	5.500									
			0.000	0.000	0.000	6.700									
			0.000	0.000	0.000	6.900									
			0.000	0.000	0.000	3.900									
			0.000	0.000	0.000	7.300									
			0.000	0.000	0.000	3.000									
			0.000	0.000	0.000	6.400									
			0.000	0.000	0.000	3.800									
			0.000	0.000	0.000	5.000									
			0.000	0.000	0.000	5.300									
			0.000	0.000	0.000	3.200									
			0.000	0.000	0.000	4.900									
			0.000	0.000	0.000	2.600									
			0.000	0.000	0.000	6.600									
			0.000	0.000	0.000	5.200									
			0.000	0.000	0.000	7.100			0	0	0	139.6			
			0.000	0.000	0.000	6.100			0	0	0	139.6	193.7		
			0.000	0.000	0.000	4.000			0	0	0	138.918964	193.7		
			0.000	0.000	0.000	8.000			0	0	0	138.5	193.7		
			0.000	0.000	0.000	3.000			26	0	0	138.5	192.585622		
			0.000	0.000	0.000	7.400			147	0	0.6	138.5	189.64531		
			0.000	0.000	0.000	5.200			1051	0	8.1	138.713714	186.704999		
			0.100	0.000	0.071	7.400			877	0	18.6	141.919891	183.764687		
			0.100	0.000	0.083	5.100			777	0	49.6	148.580474	183.19033		
			0.100	0.490	0.083	2.700			763	0	60.5	151.232217	182.669195		
			0.100	4.124	0.083	3.900			782	0	55.3	154.186182	182.14806		
			0.100	6.892	0.083	1.800			786	0	49.9	157.588	181.997217		
			0.100	7.173	0.083	6.500			784	0	48.8	160.285391	182.182746		
			0.100	5.898	0.083	5.500			782	0	47.9	162.61211	182.368275		
			0.100	4.275	0.082	11.100			783	0	47	165.484298	182.345012		
			0.200	3.154	0.163	13.600			781	0	46.6	168.633248	181.81057		
			0.300	2.405	0.235	13.700			781	0	45.9	171.288182	181.276128		
			0.300	1.976	0.245	15.000			779	0	45.5	174.015455	180.741686		
			0.300	1.956	0.245	12.000			779	0	44.7	177.183182	180.368047		
			0.300	1.957	0.245	17.300			778	0	44.6	179.48913	180.008011		
			0.300	1.959	0.245	11.800			776	0	45.9	182.075275	179.647975		
			0.300	1.961	0.245	13.800			778	0	57.4	184.133516	180.95324		
			0.300	1.889	0.245	12.000			781	0	70.5	186.507296	183.420541		
			0.300	1.880	0.245	12.000			792	0.227	68.9	189.005455	185.887842		
			0.300	1.878	0.245	12.400			851	1.34	69.2	190.911818	188.46917		
			0.300	1.951	0.244	10.700			786	2.332	59.9	193.508	191.443257		

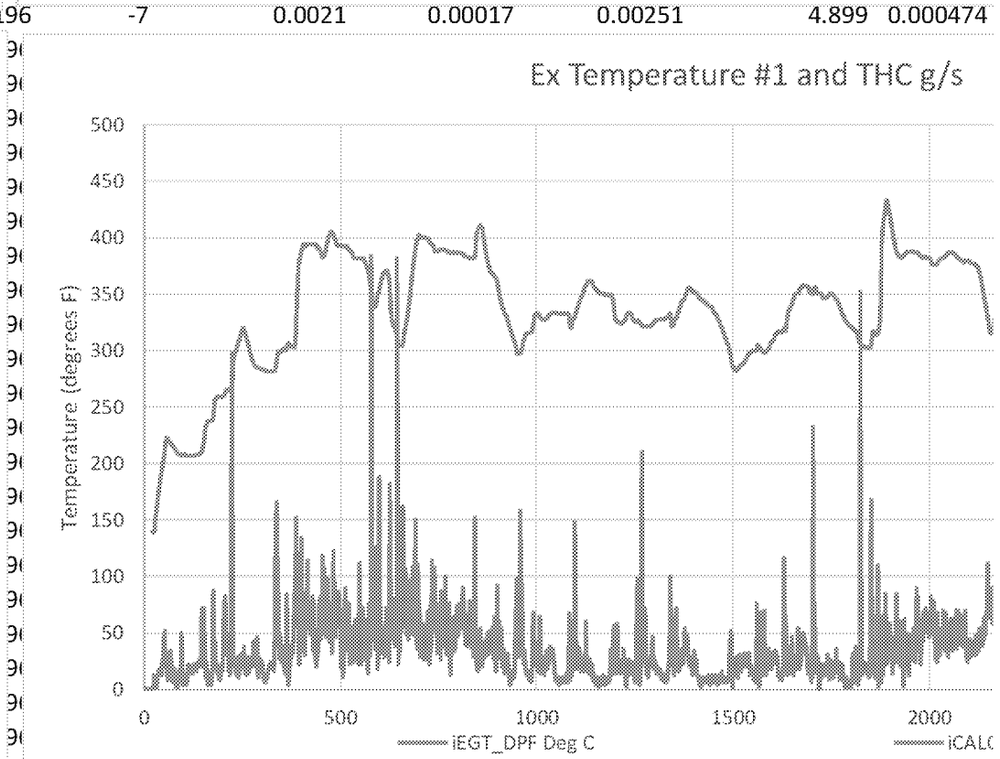
sDPF_REGEN iCOM_EGR Regen 0/1	Accum kNOx g	Accum THC g	Accum CO g	Accum CO2 g
	0	0	0	0
	0	0	0	0
	0	0	0.00001	0
	0	0	0.00002	0
	0	0	0.00003	0
	0	0	0.00004	0
	0	0	0.00006	0
	0	0	0.00007	0
	0	0	0.00009	0
	0	0	0.00011	0
	0	0	0.00013	0
	0	0	0.00014	0
	0	0	0.00015	0
	0	0	0.00017	0
	0	0	0.00019	0
	0	0	0.00021	0
	0	0	0.00023	0
	0	0	0.00025	0
	0	0	0.00026	0
	0	0	0.00027	0
	0	0	0.00029	0
	0	0	0.0003	0
	0	0	0.00032	0
	0	0	0.00035	0.003
	0	0.00005	0.00184	0.251
	0	0.00011	0.00461	1.094
	0	0.00016	0.00708	1.813
	0	0.00019	0.0097	2.463
	0.00001	0.0002	0.01199	3.102
	0.00008	0.00022	0.01356	3.663
	0.0002	0.00023	0.0146	4.14
	0.00032	0.00026	0.01563	4.616
	0.00042	0.00029	0.01679	5.219
	0.0005	0.00035	0.0179	5.993
	0.00056	0.00042	0.0187	6.861
	0.00061	0.00049	0.01933	7.771
	0.00065	0.00057	0.01995	8.69
	0.00069	0.00063	0.02057	9.603
	0.00073	0.00072	0.02119	10.506
	0.00077	0.00078	0.02183	11.376
	0.00081	0.00085	0.02254	12.218
	0.00085	0.00091	0.02336	13.078
	0.00089	0.00099	0.02434	14.094
	0.00093	0.00107	0.02528	15.096
	0.00097	0.00113	0.02607	16.123





12:13:10.196 -7 0.0021 0.00017 0.00251 4.899 0.000474

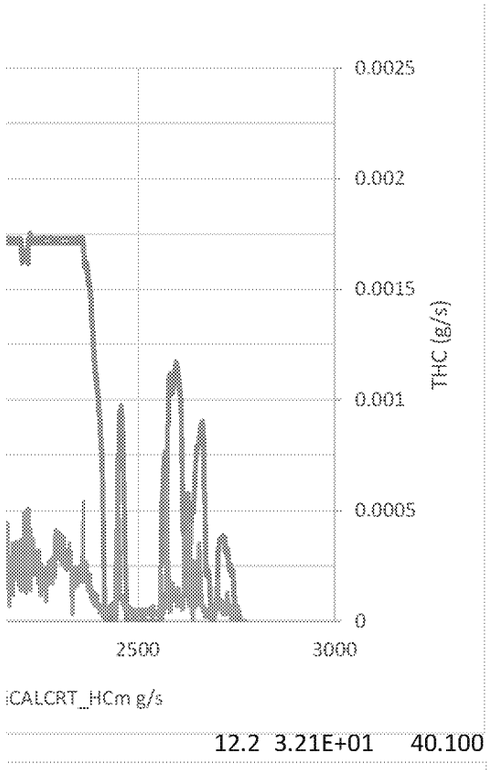


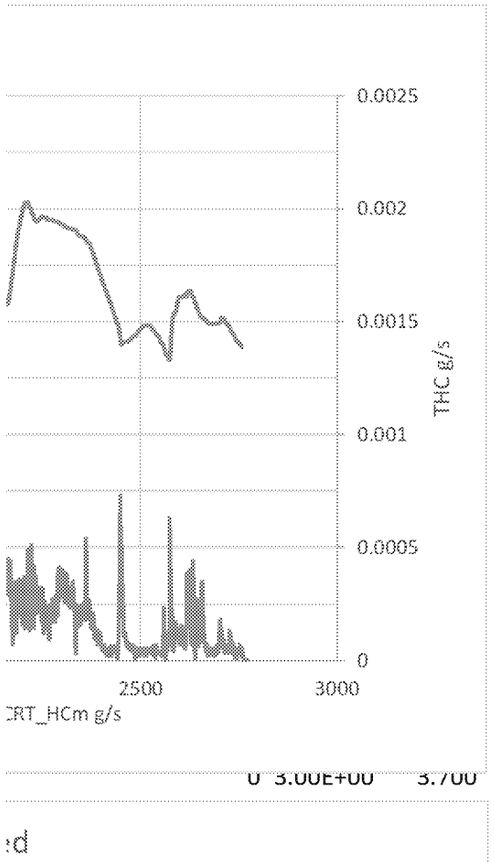


12:13:33.196 -7 0.00006 0.00009 0.00069 1.212 0.000117

Accumulated CO and Vehicle Speed

Accumulated CO2 and Vehicle Spee

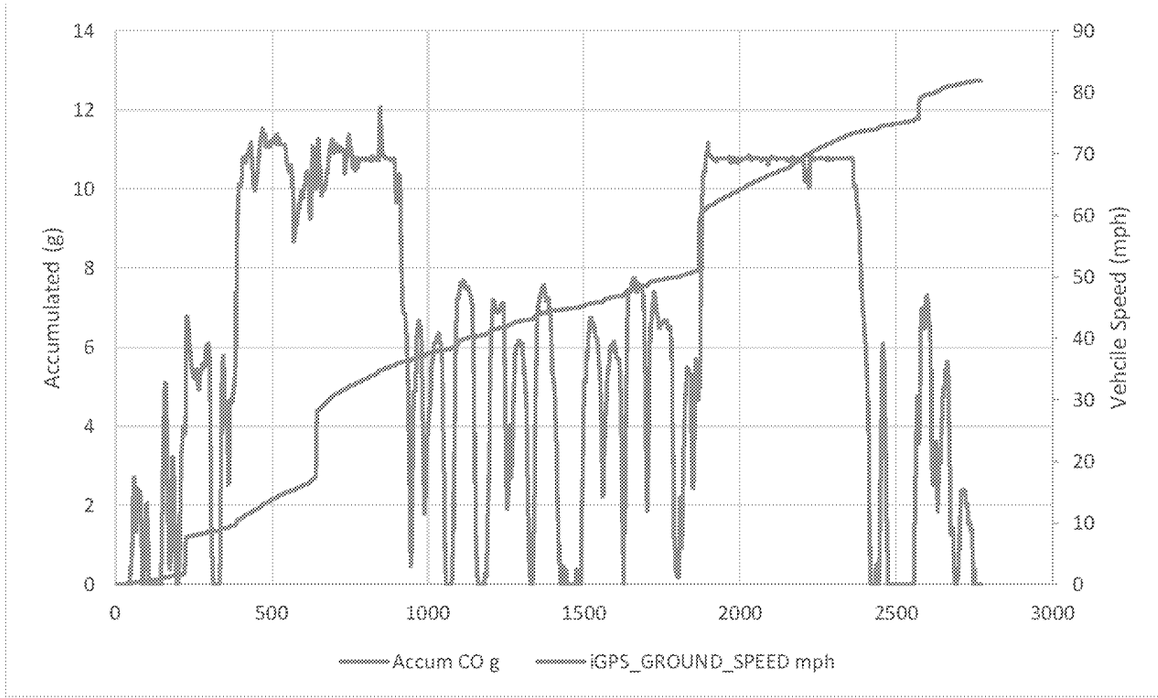


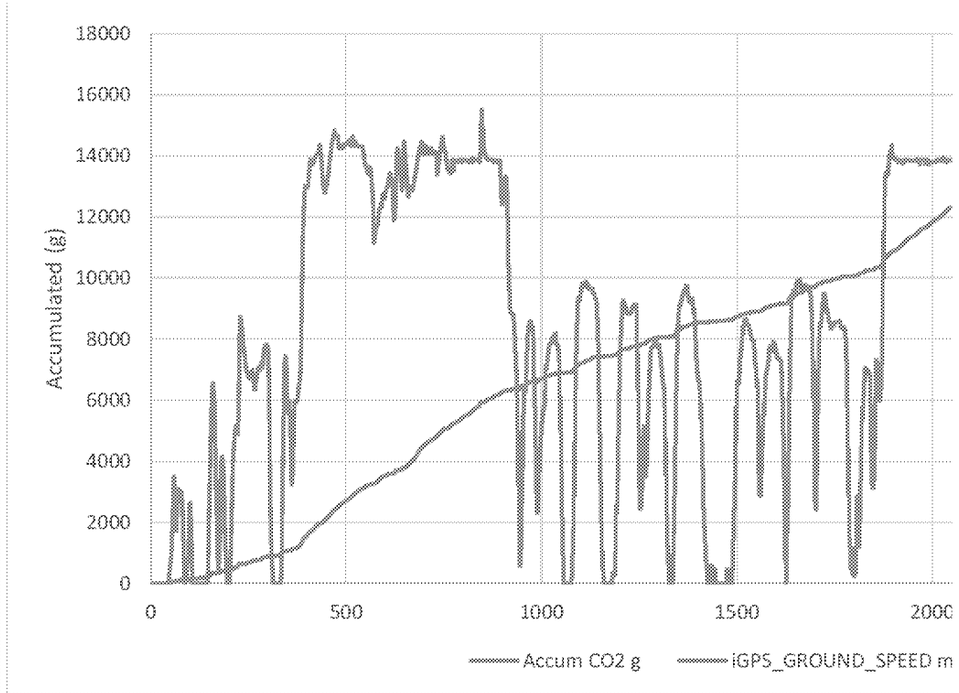


0.300	2.086	0.242	18.000
0.300	2.444	0.240	15.900
0.300	3.003	0.240	20.000
0.300	3.569	0.240	19.100
0.300	3.978	0.240	18.100
0.300	4.439	0.240	17.300
0.300	7.144	0.239	13.000
0.300	21.440	0.238	12.100
0.300	41.738	0.238	4.900
0.300	51.629	0.237	7.100
0.300	54.087	0.237	5.800
0.200	51.043	0.158	6.400
0.200	46.985	0.158	8.300
0.200	43.406	0.160	6.000
0.200	37.491	0.163	11.500
0.200	31.005	0.165	6.000
0.200	24.409	0.167	9.400
0.200	17.567	0.167	5.700
0.100	12.522	0.083	8.100
0.100	9.752	0.082	8.900
0.100	13.864	0.081	6.200
0.100	31.982	0.080	8.900
0.100	47.476	0.080	4.000
0.100	51.567	0.080	8.000
0.100	51.930	0.080	4.100
0.100	46.382	0.081	6.300
0.100	38.383	0.082	4.900
0.100	29.373	0.083	4.300
0.100	19.420	0.083	5.800
0.100	14.138	0.082	3.100
0.100	12.123	0.081	7.700
0.100	12.098	0.080	7.000
0.100	13.068	0.080	13.000
0.100	13.705	0.081	7.900
0.000	13.547	0.007	6.500
0.000	10.887	0.000	6.300
0.000	8.404	0.000	2.400
0.000	6.732	0.000	5.500
0.000	5.574	0.000	2.600
0.000	4.918	0.000	5.900
0.000	4.469	0.000	4.800
0.000	4.049	0.000	4.900
0.000	3.531	0.000	8.800
0.000	3.179	0.000	9.400
0.000	2.999	0.000	15.300
0.000	2.901	0.000	12.000
0.000	2.883	0.000	17.700

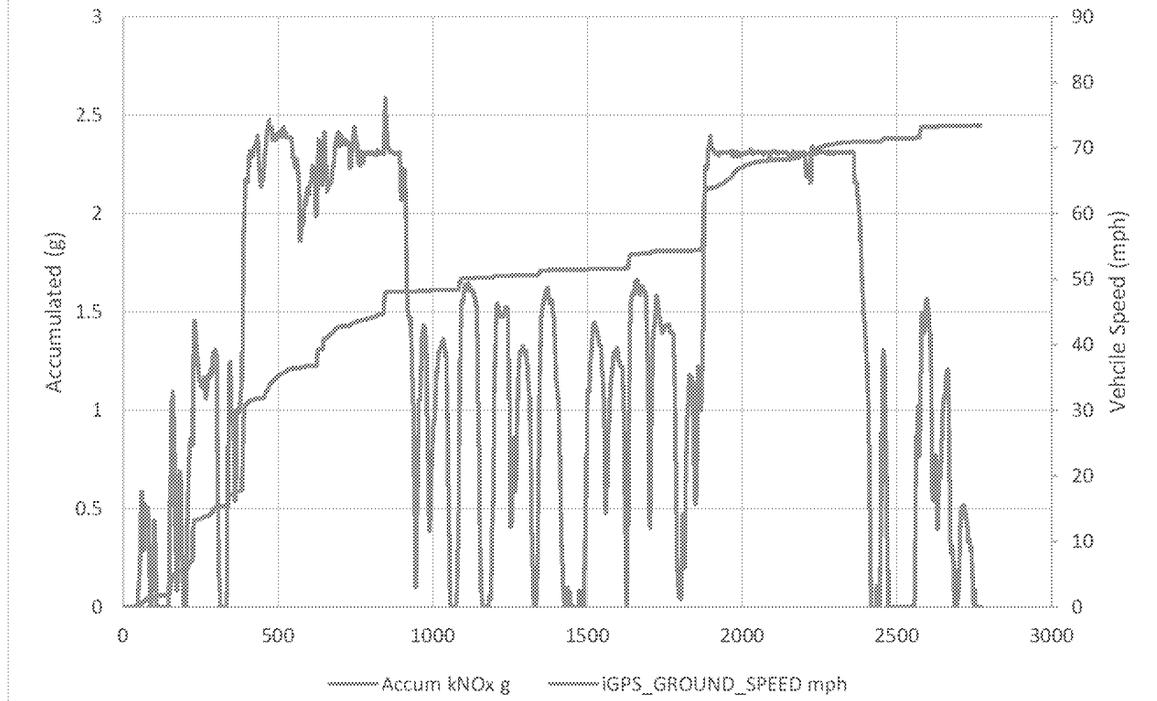
765	2.991	57.1	195.908	194.417344
851	3.566	57.2	197.675642	197.391431
915	4.111	61	199.467335	200.177894
1024	4.35	63.9	201.99944	202.925656
1183	4.35	67.1	203.751968	205.673418
1355	4.855	65.7	206.049541	213.484017
1558	6.165	65.1	208.713377	224.81286
1737	8.134	67.6	211.627091	236.141702
1758	10.482	66.4	214.948951	250.245109
1798	13.121	77.3	217.670216	270.137421
1929	14.835	74.5	219.709381	290.029734
1730	16.537	74.5	221.425091	309.922046
1370	16.77	26.1	222.516	295.542348
1172	16.09	12.2	222.6	280.49887
1055	14.095	21.5	222.236147	265.455391
1038	11.705	22.4	221.61891	253.496351
1086	10.353	18	220.660914	244.261608
1086	9.742	35.3	219.808622	235.026865
1265	9.603	60	219.5	234.070603
1521	10.622	67.2	219.5	243.910701
1658	11.985	63.4	219.309747	253.7508
1750	13.134	62.6	218.8	262.580465
1821	14.609	61.7	218.736434	266.868731
1296	15.406	19.7	218.219638	271.156998
1098	15.07	14.1	217.669972	275.445265
1032	14.554	21.2	217.049955	269.190821
1044	14.28	33.7	216.512542	260.684537
1162	14.28	48.9	215.635149	252.178252
1271	14.432	54.1	214.757818	247.349414
1253	14.9	44.6	214.187436	247.968306
1196	14.9	37.3	213.5389	248.587199
1028	14.698	21.3	213.1	246.868051
980	13.714	24.4	212.949725	240.465803
946	13.632	27.9	212.391287	234.063554
952	11.76	27.9	211.779382	228.096219
1015	9.107	20.6	211.2	225.013918
793	6.336	36.4	211.079447	221.931617
789	3.491	44.2	209.984587	218.849317
788	1.818	60.4	209.342385	220.171221
784	0.447	64.6	208.817728	221.564738
781	0	63	208.7	222.958255
780	0	62.6	208.236129	225.200222
870	0.257	62.2	208	227.83598
920	1.131	62.9	208	230.471737
820	1.86	61.6	208	232.012281
783	2.265	56.1	207.676221	232.597076
786	3.11	53.4	207.4	233.181871

0.00102	0.00124	0.02688	17.379
0.00108	0.00134	0.02807	18.875
0.00115	0.00147	0.02882	20.377
0.00124	0.00161	0.02963	22.045
0.00137	0.00178	0.03082	24.27
0.00159	0.00202	0.03268	27.618
0.00201	0.00224	0.03479	31.963
0.00353	0.0025	0.03682	37.433
0.00663	0.00261	0.0393	43.425
0.01063	0.00278	0.04158	49.88
0.01485	0.00292	0.04351	56.45
0.01819	0.00305	0.04498	61.913
0.02029	0.00316	0.04606	65.542
0.02152	0.00321	0.04681	67.503
0.02228	0.00328	0.04707	68.554
0.02302	0.00332	0.04735	69.455
0.02357	0.00338	0.04802	70.135
0.02399	0.00342	0.04906	70.815
0.02446	0.00351	0.05076	71.971
0.02497	0.00365	0.05304	74.483
0.02581	0.00376	0.05709	78.393
0.02791	0.00393	0.0596	83.292
0.03097	0.00401	0.06186	88.264
0.0338	0.00414	0.0639	92.499
0.03562	0.00418	0.06521	95.106
0.03679	0.00423	0.06628	96.669
0.03772	0.00427	0.06662	97.791
0.03859	0.00431	0.06724	98.834
0.03927	0.00437	0.06844	100.046
0.03975	0.0044	0.07053	101.665
0.0401	0.00447	0.07268	103.51
0.04039	0.00452	0.07366	105.153
0.04068	0.00461	0.07466	106.635
0.04097	0.00466	0.07526	107.928
0.04126	0.0047	0.07576	109.043
0.0415	0.00474	0.0765	109.954
0.04166	0.00475	0.07736	110.677
0.04178	0.00478	0.078	111.346
0.04188	0.00479	0.07863	112.004
0.04197	0.00482	0.07926	112.675
0.04205	0.00485	0.0799	113.392
0.04212	0.00488	0.08058	114.188
0.04219	0.00493	0.08144	115.193
0.04225	0.00499	0.08246	116.384
0.04231	0.00508	0.08315	117.596
0.04237	0.00515	0.08373	118.858
0.04242	0.00525	0.08434	120.147

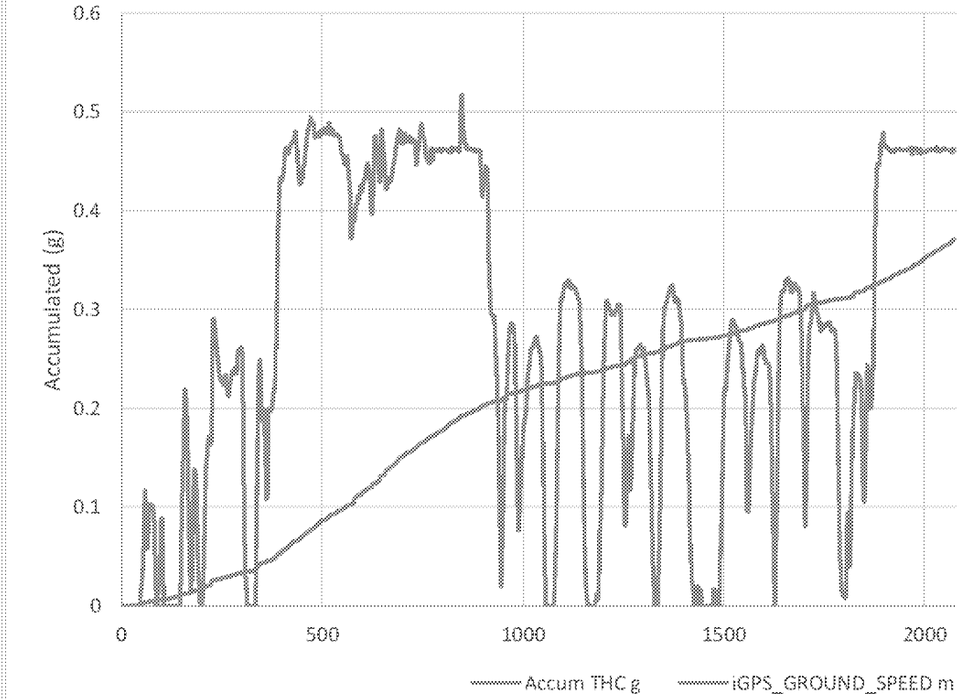




Accumulated kNOx and Vehicle Speed

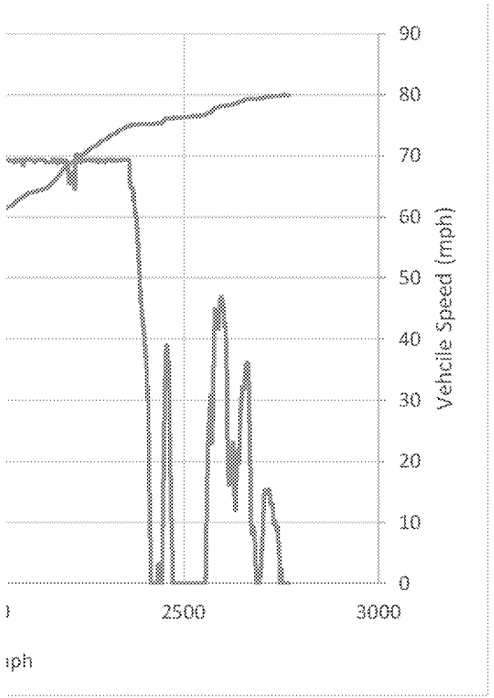


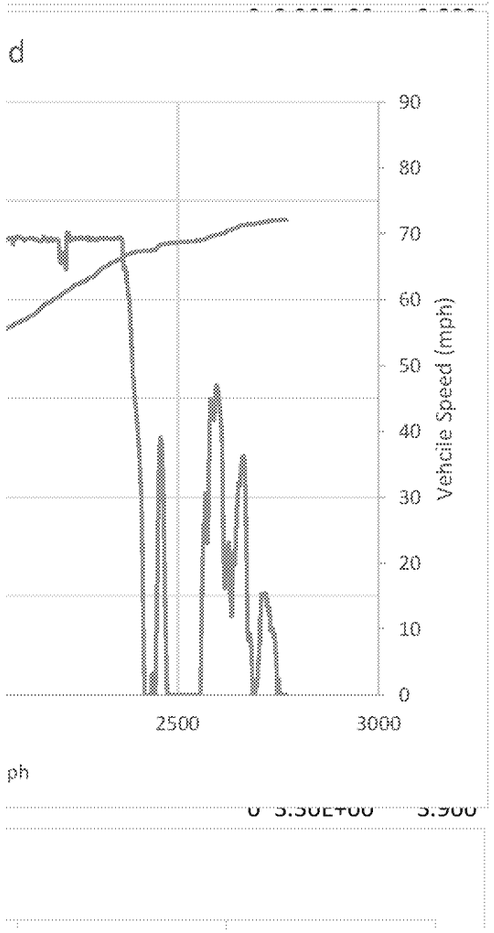
Accumulated THC and Vehicle Spee



Engine Speed and EGR Command

NOx ppm





0.000	2.946	0.000	15.600
0.000	2.959	0.000	15.800
-0.100	3.111	0.000	14.600
-0.100	9.512	0.000	7.400
-0.100	29.697	0.000	3.400
0.000	46.008	0.000	0.800
0.000	50.428	0.000	6.100
0.000	47.412	0.000	4.600
0.000	39.466	0.000	6.700
0.000	28.839	0.000	6.200
0.000	19.968	0.000	5.400
0.000	13.774	0.000	6.000
0.000	9.710	0.000	2.900
0.000	7.688	0.000	5.500
0.000	6.175	0.000	3.500
0.000	4.978	0.000	5.000
0.100	3.947	0.070	10.800
0.200	3.492	0.161	11.000
0.200	3.230	0.161	17.600
0.200	3.052	0.160	14.700
0.200	3.035	0.160	19.000
0.200	3.036	0.160	17.000
0.200	3.190	0.160	18.200
0.200	3.275	0.160	16.800
0.200	3.286	0.160	14.100
0.200	3.286	0.160	17.500
0.200	3.286	0.160	13.000
0.200	3.218	0.160	16.500
0.200	3.205	0.160	13.500
0.200	3.205	0.160	15.200
0.200	3.205	0.160	15.000
0.200	3.205	0.160	13.000
0.200	3.203	0.160	17.900
0.200	3.203	0.160	15.300
0.200	3.204	0.160	19.400
0.200	3.204	0.160	16.600
0.200	3.205	0.160	19.000
0.200	3.205	0.160	17.400
0.200	3.205	0.160	15.000
0.200	3.205	0.160	18.800
0.200	3.125	0.160	14.400
0.200	3.125	0.160	17.800
0.200	3.125	0.160	15.500
0.200	3.125	0.160	19.500
0.200	3.123	0.160	19.200
0.200	3.117	0.160	17.500
0.200	3.111	0.160	20.100

790	3.11	53.3	207.4	234.420874
990	3.56	62	207.116667	237.301133
1519	5.531	88.4	206.8	240.181392
1892	8.852	70.5	206.8	245.293696
1798	11.3	75.2	206.917188	259.620344
1718	13.134	55.2	207.854688	273.946991
1448	13.273	16.7	208	288.273639
1241	12.106	8.6	208	282.108117
1103	10.323	13.1	208	267.367857
912	7.738	29.4	208	252.627597
783	4.721	50.2	207.634066	246.071519
756	2.15	62.3	207.4	244.425949
777	0.816	64.9	207.4	242.78038
780	0	64.5	207.4	241.990909
779	0	63.3	207.02937	242.186413
844	0	65.8	206.8	242.381916
930	0	67.4	206.8	242.822791
844	0	60.6	206.8	243.63792
778	0	58.8	206.8	244.453049
777	0	60.1	206.8	244.886909
775	0	60.4	206.8	244.543168
779	0	61.1	206.8	244.199427
778	0	62.1	206.8	243.855686
779	0	60.9	206.8	243.8
780	0	61.2	206.8	243.8
781	0	61.3	206.8	243.8
780	0	61.7	206.8	243.583208
779	0	62.3	206.8	243.208136
781	0	61.8	206.8	242.833064
779	0	60.8	206.8	242.475696
779	0	60.8	206.8	242.258698
781	0	60.8	206.8	242.0417
780	0	61.3	206.8	241.761157
779	0	61.4	207.028777	241.361034
781	0	60.8	207.4	240.960911
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779	0	61.6	207.4	240.385895
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778	0	60.8	207.4	239.995732
780	0	60.8	207.4	239.79248
780	0	61	207.4	239.589228
832	0	64.1	207.4	239.385976
886	0	63.3	207.7738	239.954117
870	0	59.5	208	241.087768
798	0	58.7	208	242.22142
771	0	59.9	208	243.184881
775	0	61.5	208	243.56213

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0.04272	0.00571	0.08718	126.991
0.04345	0.00588	0.09095	132.996
0.04567	0.00596	0.09411	139.355
0.04867	0.00598	0.09647	144.89
0.05106	0.00607	0.09761	148.666
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0.05371	0.00617	0.09796	152.048
0.05433	0.00621	0.09844	152.683
0.05471	0.00624	0.09881	153.124
0.05495	0.00627	0.09925	153.521
0.05512	0.00629	0.09972	153.955
0.05525	0.00632	0.10031	154.46
0.05536	0.00634	0.10146	155.098
0.05545	0.00637	0.10278	155.971
0.05553	0.00644	0.10375	157.094
0.0556	0.0065	0.1044	158.295
0.05566	0.0066	0.10507	159.512
0.05572	0.00668	0.10586	160.779
0.05578	0.00679	0.1065	162.113
0.05584	0.00688	0.10704	163.42
0.0559	0.00698	0.10765	164.683
0.05596	0.00707	0.10834	165.904
0.05602	0.00715	0.10907	167.113
0.05608	0.00725	0.1098	168.327
0.05614	0.00732	0.11051	169.511
0.0562	0.00741	0.11122	170.689
0.05626	0.00748	0.11194	171.887
0.05632	0.00756	0.11267	173.103
0.05638	0.00764	0.11335	174.322
0.05644	0.00771	0.11397	175.54
0.0565	0.00781	0.11459	176.757
0.05656	0.00789	0.11521	177.979
0.05662	0.008	0.11583	179.193
0.05668	0.00809	0.11644	180.386
0.05674	0.00819	0.1171	181.591
0.0568	0.00828	0.11782	182.798
0.05686	0.00836	0.11853	184.008
0.05692	0.00846	0.11916	185.218
0.05698	0.00854	0.11978	186.432
0.05704	0.00864	0.12044	187.726
0.05711	0.00874	0.12117	189.148
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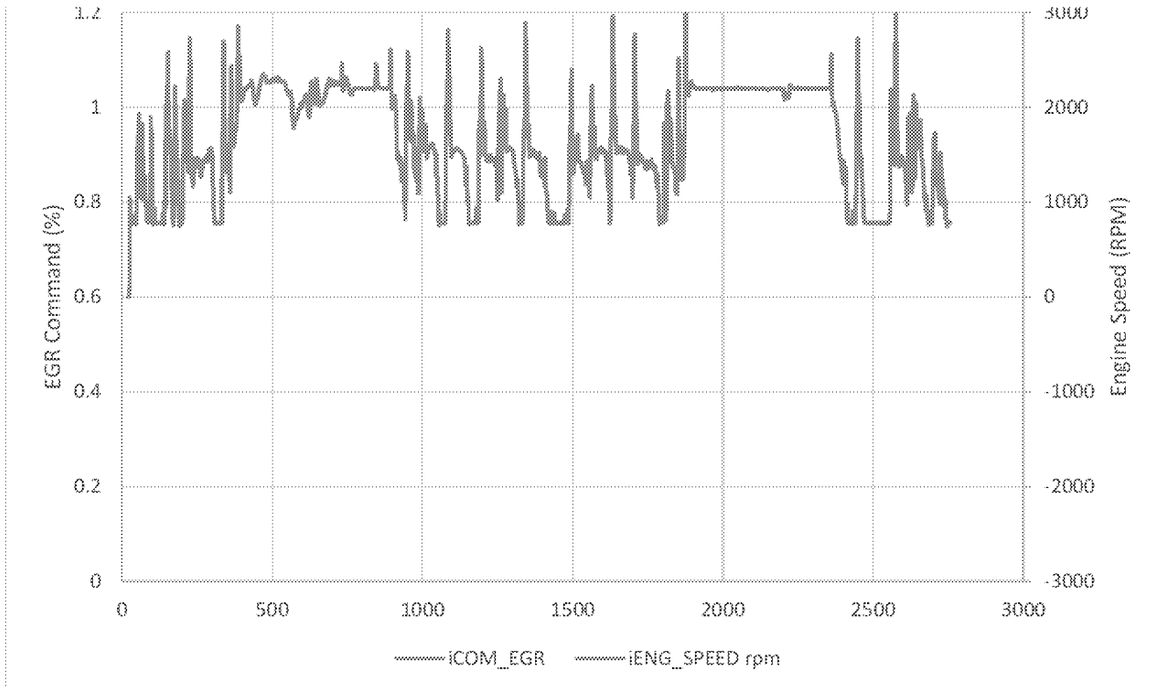

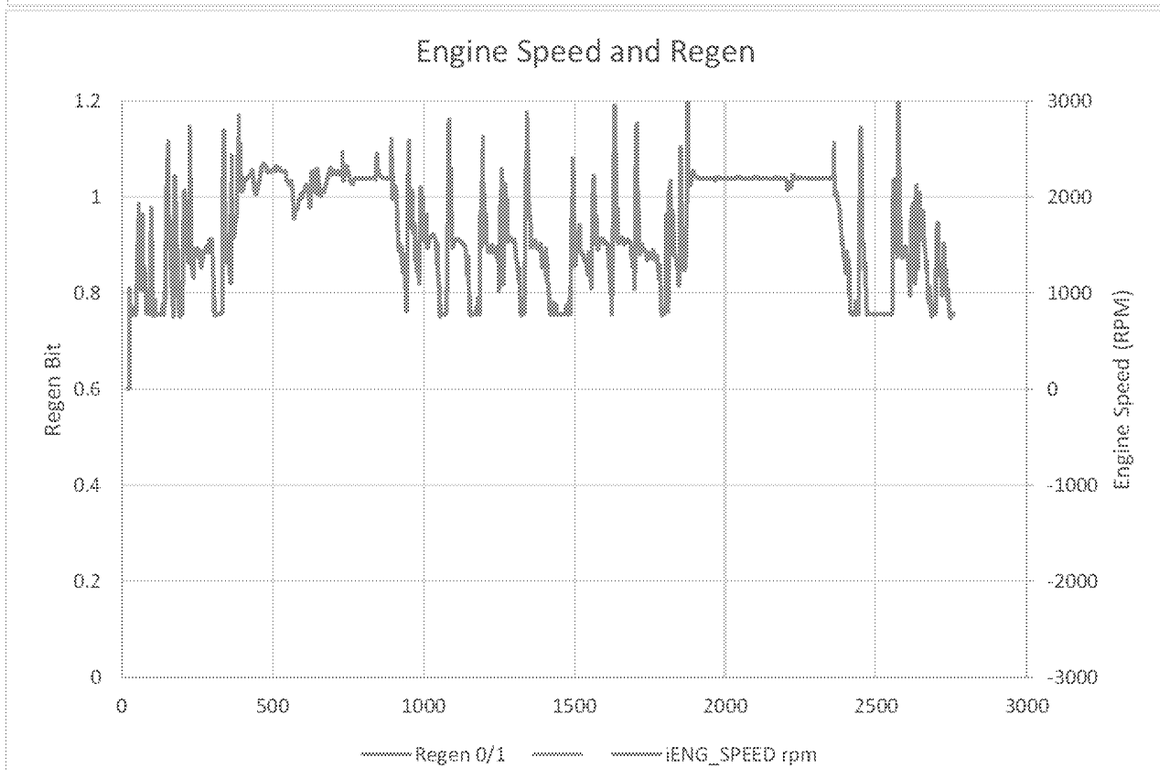

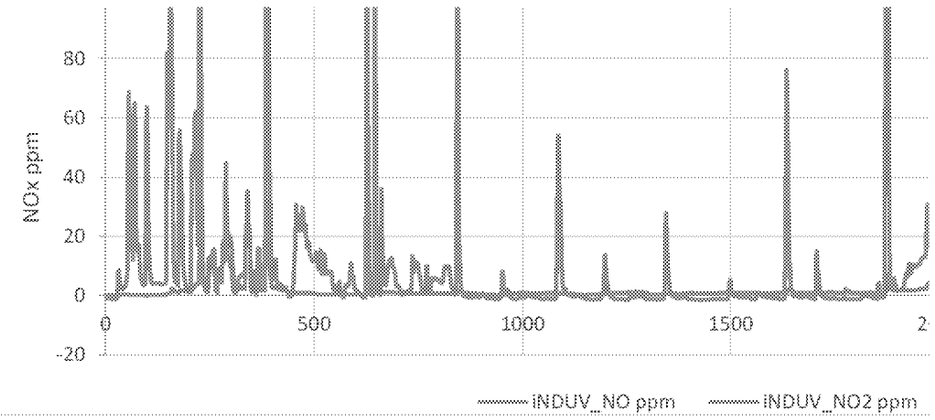

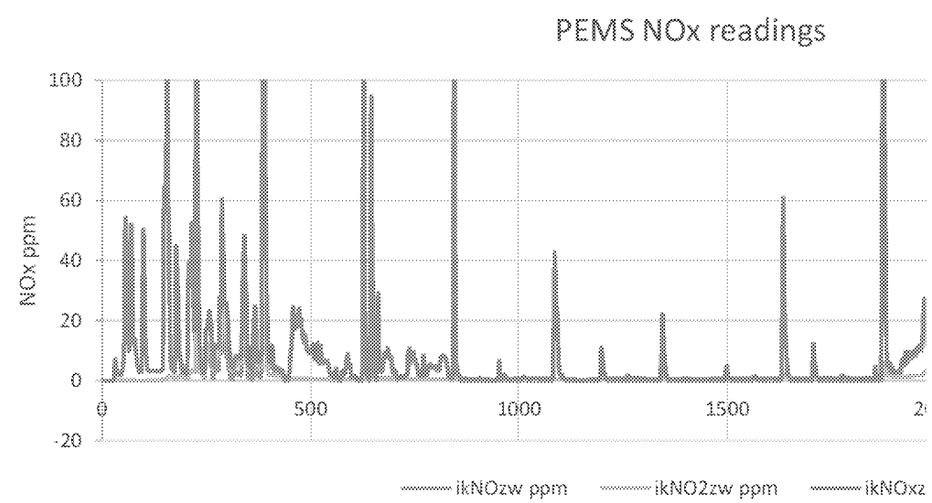

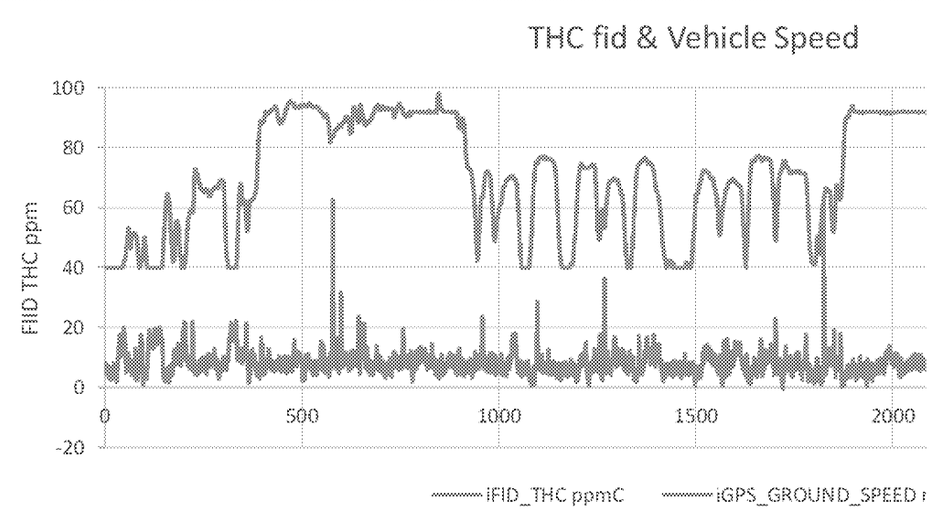

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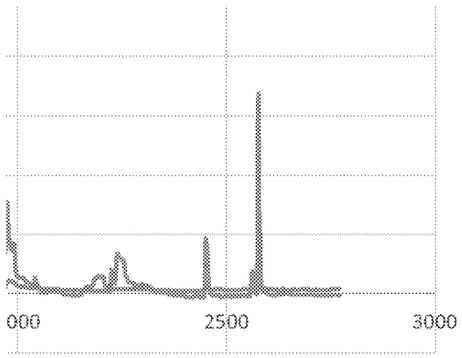

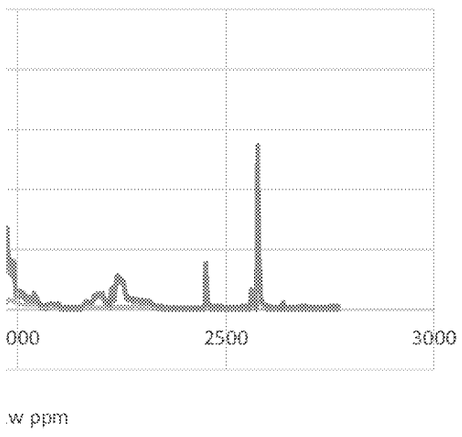

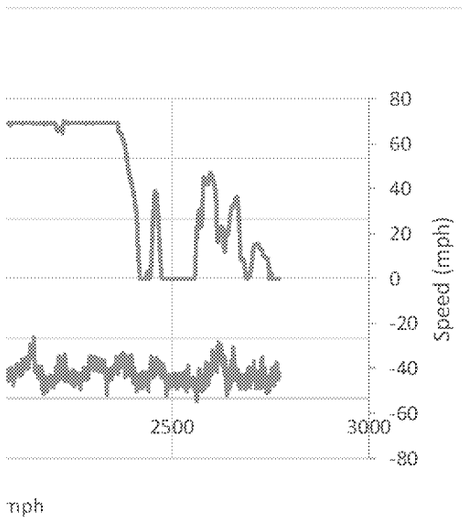

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19.1	9.90E+00	10.300

0.200	3.110	0.160	16.800
0.300	3.118	0.230	19.600
0.300	3.201	0.240	15.300
0.300	3.194	0.240	17.800
0.400	3.473	0.308	15.300
0.400	3.868	0.318	16.100
0.400	4.460	0.316	16.100
0.400	23.353	0.312	10.600
0.500	53.015	0.390	7.900
0.500	64.484	0.392	3.100
0.600	62.555	0.470	4.800
0.700	57.232	0.547	3.500
0.700	55.688	0.546	2.800
0.800	62.778	0.624	5.900
0.900	72.968	0.708	2.000
1.000	88.809	0.779	6.200
1.200	101.437	0.933	2.300
1.700	97.682	1.294	6.000
2.000	77.698	1.552	5.200
2.100	58.040	1.660	3.700
2.100	46.573	1.701	6.000
2.100	34.462	1.742	2.900
2.000	23.551	1.691	7.000
1.800	15.782	1.534	1.600
1.800	10.256	1.527	5.600
1.600	6.947	1.370	3.400
1.400	5.019	1.200	4.400
1.300	3.938	1.101	5.000
1.300	3.714	1.097	4.600
1.300	3.386	1.094	7.200
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1.000	6.828	0.798	11.000
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1.000	41.379	0.783	7.400
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1.400	41.587	1.092	8.800
1.500	38.204	1.178	11.200
1.600	34.394	1.266	10.900
1.700	31.044	1.360	8.200
1.700	26.522	1.397	13.100
1.700	19.995	1.418	8.000
1.700	13.100	1.415	12.500
1.700	8.500	1.398	9.600

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1000	0	50.9	208	244.316628
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949	0.514	72.2	208.7	248.777704
1095	1.954	70.7	208.7	259.639141
1611	4.25	90.5	208.903187	280.641527
2111	9.34	68.9	209.623	301.643914
2108	13.062	71.7	211.493103	322.409956
2105	15.038	71.4	213.203609	341.536594
2038	17.242	73.8	214.727265	360.663231
2143	19.892	76.4	216.951188	379.789869
2384	22.943	75.9	218.001288	399.900949
2582	26.111	73.2	220.470775	420.452251
2362	28.874	69.8	224.383789	441.003553
1893	30.738	76.9	227.970182	449.743498
1711	31.703	93.8	230.823448	442.56861
1763	32.29	72.6	233.115722	435.393722
1768	32.29	62.4	233.66376	426.364368
1723	31.821	11.9	234.216587	396.294844
1660	30.487	0.1	235.25327	366.225319
1583	29.127	0	236.408807	336.155794
1493	27.561	0	236.8	314.973
1355	25.184	0	237.073424	299.031824
1159	21.564	2.2	237.4	283.090647
1101	17.732	10.7	237.4	269.281451
1004	14.769	22.2	237.476535	262.650235
1087	11.459	17.6	237.948976	256.019018
978	8.896	23.5	238	249.59425
820	6.25	49.1	238	249.414555
748	3.439	51.8	238	249.234861
772	2.48	59.9	238	249.055166
787	2.48	62.4	238.464338	252.022297
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1329	4.273	76.4	238.7	260.744656
1970	7.944	79.8	239.017724	279.847619
2218	11.559	69.6	241.355288	317.942857
2125	15.252	73.6	245.147771	356.038095
1988	17.517	72.5	248.931927	386.115011
1892	19.496	69	251.426604	380.153531
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1537	20.49	18	256.316071	368.230572
1346	19.708	8.4	257.537649	352.069186
1384	18.943	34.8	258.172869	334.911322
1442	18.63	39.6	258.4	317.753458
1327	18.06	18.5	258.733455	304.107353
1174	15.999	16	259.1	294.205188

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0.05749	0.00942	0.12497	197.419
0.05756	0.00952	0.1257	198.88
0.05764	0.00964	0.12648	200.458
0.05772	0.00974	0.12736	202.107
0.05783	0.00986	0.12825	203.998
0.05819	0.01022	0.13208	210.025
0.06077	0.01057	0.13724	220.129
0.06661	0.01083	0.1403	230.256
0.07346	0.01093	0.14338	239.699
0.08026	0.01109	0.14753	249.336
0.08792	0.01123	0.15216	261.487
0.09786	0.01138	0.1575	278.065
0.11082	0.01174	0.16274	297.081
0.12218	0.01183	0.16621	310.253
0.13108	0.01202	0.16853	318.258
0.13909	0.01207	0.1711	325.023
0.14635	0.0122	0.17449	331.868
0.1517	0.01231	0.17699	338.129
0.15518	0.01237	0.17807	342.826
0.15741	0.01245	0.1782	345.433
0.15888	0.01249	0.1782	346.725
0.15981	0.01257	0.1786	347.374
0.16039	0.01259	0.17901	347.749
0.16075	0.01264	0.1796	348.003
0.16097	0.01267	0.1803	348.186
0.16112	0.0127	0.18103	348.361
0.16124	0.01274	0.18178	348.624
0.16134	0.01277	0.18256	348.939
0.16142	0.01281	0.18323	349.272
0.16149	0.01283	0.18379	349.635
0.16156	0.01287	0.18426	350.026
0.16163	0.0129	0.18482	350.446
0.1617	0.01293	0.18593	351.048
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0.16267	0.01344	0.19717	361.023
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0.17042	0.01412	0.20453	381.106
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0.17852	0.01469	0.20888	397.114
0.18103	0.0149	0.21068	402.226
0.18281	0.01506	0.21297	405.887
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0.18494	0.01528	0.21417	409.609
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17.4	6.90E+00	6.800	1.700	5.553	1.393	13.000
9.8	6.20E+00	5.900	1.600	4.902	1.321	11.700
9.7	5.40E+00	5.000	1.500	4.174	1.243	10.800
5.4	4.80E+00	4.300	1.500	3.588	1.245	7.600
5.4	4.30E+00	3.700	1.500	3.099	1.245	11.600
3.8	4.00E+00	3.400	1.400	2.824	1.169	7.300
3.7	3.50E+00	2.800	1.400	2.338	1.154	9.300
0	3.20E+00	2.500	1.300	2.075	1.079	10.400
0	2.90E+00	2.300	1.300	1.882	1.064	10.500
0	2.80E+00	2.100	1.300	1.717	1.057	16.300
0	2.60E+00	2.000	1.200	1.616	0.969	14.000
0	2.60E+00	2.000	1.200	1.610	0.966	19.300
0	2.40E+00	1.800	1.100	1.457	0.894	18.300
0	2.30E+00	1.700	1.100	1.376	0.884	21.900
0.1	2.20E+00	1.700	1.100	1.365	0.883	20.600
2.2	2.20E+00	1.700	1.100	1.361	0.881	20.200
2.3	2.40E+00	1.900	1.100	1.490	0.874	21.200
6	9.40E+00	10.800	1.100	8.541	0.868	13.700
6.2	2.51E+01	30.800	1.100	24.190	0.864	13.800
11.3	3.54E+01	43.900	1.500	34.304	1.144	8.600
11.5	3.88E+01	47.600	2.000	37.242	1.542	11.000
17.1	3.95E+01	47.800	2.500	37.561	1.945	9.400
17.2	3.84E+01	45.800	2.700	36.283	2.129	9.000
21.3	3.67E+01	43.200	2.800	34.438	2.223	8.300
21.3	3.64E+01	42.900	2.800	34.156	2.229	7.100
22.7	4.03E+01	47.800	2.900	37.978	2.293	10.300
22.8	4.92E+01	58.700	3.400	46.557	2.658	6.300
24.4	5.24E+01	62.200	3.800	49.418	2.985	9.800
24.4	4.90E+01	57.800	3.900	45.884	3.096	7.500
25.5	4.44E+01	51.800	4.000	41.187	3.182	6.200
25.5	3.90E+01	44.700	4.000	35.776	3.199	7.000
25.7	3.20E+01	35.700	4.000	28.742	3.220	6.400
25.7	2.51E+01	27.300	4.000	21.866	3.209	9.000
25.3	2.04E+01	21.200	3.900	17.200	3.179	6.000
25.3	1.67E+01	16.900	3.900	13.562	3.130	11.500
24.5	2.35E+01	26.300	3.800	20.536	2.981	21.800
24.7	8.27E+01	103.500	3.900	79.712	2.991	17.200
29	2.51E+02	305.500	17.700	237.398	13.741	11.900
29.2	3.19E+02	369.700	35.600	291.121	28.039	6.600
40.3	2.56E+02	281.500	41.300	223.005	32.694	7.700
40.4	1.55E+02	158.100	36.300	126.094	28.918	4.500
43.6	9.52E+01	90.800	27.200	73.242	21.945	8.400
43.6	5.93E+01	52.200	20.000	42.923	16.415	5.700
43.4	3.92E+01	32.000	14.700	26.876	12.342	6.600
43.4	2.65E+01	20.600	10.600	17.513	9.022	6.300
42	1.81E+01	14.000	7.200	11.944	6.137	6.400

1028	12.044	26.3	259.1	284.303024
906	8.086	21.7	259.1	275.139906
835	5.61	44.5	259.1	271.895811
815	4.97	41.6	259.1	268.651717
776	4.474	42.4	259.1	265.407622
754	2.909	58.3	258.4	265.407934
778	1.201	65.1	258.4	265.630086
781	0.209	64.8	258.4	265.852237
779	0	62.8	258.4	267.117247
780	0	61.5	258.4	268.66788
781	0	61.4	258.4	270.218513
802	0	61.9	258.827456	271.195695
809	0	61.8	259.1	271.828807
782	0	61.3	259.1	272.461918
839	0.611	62	259.1	273.822194
975	2.387	64.1	259.1	276.015742
1255	4.33	69.9	259.366875	278.20929
1682	6.88	72.4	259.8	287.758331
1895	9.7	70.2	260.17811	310.048852
1977	12.527	72.1	260.992084	332.339372
2070	15.29	74	262.381118	351.642175
2047	17.756	74.9	264.051311	363.068267
1890	20.032	67.2	265.163304	374.494359
1814	21.389	61	265.2	385.920451
1812	22.079	59.4	265.2	385.887793
1863	22.655	64.3	265.2	383.305634
1948	23.381	63.8	265.2	380.723474
1796	24.02	56.1	265.2	378.911381
1624	24.591	62.3	265.2	377.250354
1461	25.158	46.6	265.2	375.589326
1399	25.46	40.7	265.2	368.172769
1413	25.46	48.7	265.2	356.673229
1370	25.33	33.2	265.2	345.173689
1333	24.738	8.2	265.2	336.543424
1308	24.25	38.4	264.988724	333.89967
1514	24.833	99.6	264.757755	331.255915
1737	27.402	99.4	265.2	350.67097
2281	31.347	98.8	266.07455	422.050063
2736	37.359	91.8	269.967912	493.429156
2647	40.99	56.5	277.91982	551.436309
2277	42.578	56.8	287.977113	513.209337
1798	43.411	51.8	292.67247	474.982364
1434	43.47	4.8	294.67794	436.755391
1356	42.61	0	296.65069	400.437411
1312	41.671	0	296.766081	364.239123
1285	40.979	0	297.522745	330.338697
1255	40.445	0	298.199041	310.913125

0.18655	0.01566	0.21883	413.665
0.1867	0.01574	0.21969	414.64
0.18682	0.01581	0.22032	415.356
0.18692	0.01587	0.22092	415.988
0.18701	0.01591	0.22165	416.569
0.18709	0.01597	0.22237	417.143
0.18716	0.01601	0.22311	417.782
0.18722	0.01606	0.22372	418.492
0.18728	0.01612	0.22416	419.259
0.18733	0.01618	0.22458	420.106
0.18738	0.01627	0.2253	421.101
0.18743	0.01635	0.22588	422.291
0.18748	0.01646	0.22626	423.495
0.18752	0.01656	0.2269	424.734
0.18757	0.01671	0.22786	426.177
0.18763	0.01686	0.22882	427.85
0.18773	0.01713	0.23029	430.896
0.18787	0.01752	0.23205	435.614
0.18868	0.01787	0.23411	442.877
0.19116	0.01828	0.23665	451.711
0.19512	0.01857	0.23952	462.082
0.19954	0.01895	0.24222	472.675
0.20311	0.01921	0.24462	480.69
0.20587	0.0194	0.24556	486.432
0.20828	0.01957	0.24741	491.327
0.21092	0.01972	0.24989	496.803
0.21407	0.01996	0.25256	502.928
0.21741	0.02009	0.25478	508.316
0.22071	0.02028	0.25659	513.248
0.22325	0.0204	0.25833	517.311
0.22512	0.02048	0.25977	520.524
0.22661	0.02056	0.26072	523.232
0.22765	0.02062	0.26151	525.315
0.22846	0.02071	0.26258	527.506
0.22954	0.02081	0.26554	530.417
0.23076	0.02106	0.28915	535.301
0.23415	0.02201	0.56653	548.304
0.25787	0.0235	0.99317	578.58
0.33227	0.02457	1.15961	607.708
0.38449	0.0249	1.18567	621.788
0.41483	0.02517	1.19281	631.327
0.42669	0.02527	1.19569	636.955
0.43183	0.02541	1.19801	640.293
0.43517	0.02551	1.19952	642.725
0.43754	0.02563	1.20069	643.903
0.43925	0.02575	1.20255	644.543
0.44039	0.02587	1.20413	644.962

12:15:57.196	-7	0.00077	0.00013	0.00215	0.304	0.00003
12:15:58.196	-7	0.0006	0.00007	0.00246	0.233	0.000026
12:15:59.196	-7	0.00044	0.00014	0.00247	0.18	0.000025
12:16:00.196	-7	0.00031	0.00007	0.00219	0.138	0.000022
12:16:01.196	-7	0.00018	0.00007	0.00158	0.103	0.000017
12:16:02.196	-7	0.00014	0.00006	0.00127	0.093	0.000015
12:16:03.196	-7	0.00012	0.00005	0.00122	0.284	0.000028
12:16:04.196	-7	0.0001	0.00009	0.00204	0.567	0.000055
12:16:05.196	-7	0.00011	0.00006	0.0019	0.863	0.000084
12:16:06.196	-7	0.00012	0.00012	0.00242	1.269	0.000123
12:16:07.196	-7	0.00013	0.00011	0.0039	2.535	0.000246
12:16:08.196	-7	0.00015	0.00015	0.00379	3.885	0.000376
12:16:09.196	-7	0.00028	0.00013	0.00336	4.92	0.000476
12:16:10.196	-7	0.00052	0.00009	0.00216	4.898	0.000473
12:16:11.196	-7	0.0008	0.00016	0.00183	4.803	0.000464
12:16:12.196	-7	0.00092	0.00012	0.00211	4.654	0.00045
12:16:13.196	-7	0.00094	0.00016	0.00236	4.96	0.000479
12:16:14.196	-7	0.001	0.00012	0.00195	5.613	0.000542
12:16:15.196	-7	0.00104	0.00016	0.00139	5.808	0.000561
12:16:16.196	-7	0.00118	0.00016	0.00144	6.47	0.000624
12:16:17.196	-7	0.00125	0.00013	0.00167	6.689	0.000645
12:16:18.196	-7	0.00128	0.00019	0.00178	6.509	0.000628
12:16:19.196	-7	0.0013	0.0001	0.00171	6.099	0.000589
12:16:20.196	-7	0.00133	0.00015	0.00159	5.694	0.00055
12:16:21.196	-7	0.00114	0.00007	0.00066	4.485	0.000433
12:16:22.196	-7	0.00091	0.00009	0.00078	3.355	0.000324
12:16:23.196	-7	0.00073	0.00006	0.00078	2.594	0.000251
12:16:24.196	-7	0.00055	0.00006	0.00061	1.959	0.000189
12:16:25.196	-7	0.00043	0.00009	0.00038	1.444	0.00014
12:16:26.196	-7	0.00036	0.00007	0.00003	0.915	0.000089
12:16:27.196	-7	0.00025	0.00008	0.00041	0.503	0.000049
12:16:28.196	-7	0.00023	0.00007	0.00088	0.523	0.000051
12:16:29.196	-7	0.00023	0.00013	0.00253	1.149	0.000112
12:16:30.196	-7	0.00022	0.00013	0.00362	2.646	0.000256
12:16:31.196	-7	0.00022	0.00014	0.00272	3.648	0.000353
12:16:32.196	-7	0.00027	0.00013	0.00125	3.505	0.000339
12:16:33.196	-7	0.00041	0.00009	0.00101	3.323	0.000321
12:16:34.196	-7	0.00048	0.00014	0.00135	3.229	0.000312
12:16:35.196	-7	0.00051	0.0001	0.00146	3.184	0.000308
12:16:36.196	-7	0.00048	0.00014	0.00137	3.049	0.000295
12:16:37.196	-7	0.00048	0.00011	0.00137	3.01	0.000291
12:16:38.196	-7	0.00045	0.0001	0.00129	2.727	0.000264
12:16:39.196	-7	0.00042	0.00012	0.0014	2.519	0.000244
12:16:40.196	-7	0.00046	0.00011	0.00159	2.543	0.000246
12:16:41.196	-7	0.00061	0.00021	0.00234	3.287	0.000318
12:16:42.196	-7	0.00071	0.00016	0.0036	4.837	0.000468
12:16:43.196	-7	0.00092	0.0002	0.00426	6.592	0.000637

41.9	1.26E+01	9.600	5.200	8.145	4.442	6.900
40.5	9.90E+00	7.200	4.400	6.159	3.777	4.000
40.5	7.60E+00	5.300	3.600	4.527	3.104	7.900
39.1	6.10E+00	4.100	3.000	3.477	2.595	4.200
39.1	4.60E+00	2.600	2.800	2.254	2.383	6.100
37.9	4.00E+00	2.100	2.500	1.828	2.141	6.100
37.9	3.50E+00	1.800	2.300	1.540	1.964	5.100
36.9	3.20E+00	1.600	2.200	1.355	1.853	8.900
36.9	3.20E+00	1.600	2.200	1.338	1.840	6.000
35.6	2.90E+00	1.400	2.100	1.174	1.747	9.400
35.6	2.60E+00	1.200	2.000	0.988	1.630	7.500
34.8	2.70E+00	1.400	2.000	1.102	1.601	8.800
34.8	4.80E+00	3.900	2.200	3.074	1.723	7.200
34.5	9.70E+00	8.700	3.700	6.784	2.892	5.300
34.5	1.48E+01	12.400	6.400	9.760	5.003	10.000
34.1	1.67E+01	13.100	8.100	10.319	6.398	7.300
34.1	1.68E+01	12.600	8.900	9.864	6.958	9.500
33.7	1.68E+01	12.100	9.500	9.455	7.387	6.600
33.7	1.75E+01	12.100	10.400	9.412	8.052	9.200
33.5	1.83E+01	12.100	11.400	9.391	8.866	8.300
33.5	1.89E+01	12.300	12.100	9.526	9.361	6.800
33.9	1.99E+01	12.500	13.100	9.673	10.183	10.000
33.9	2.11E+01	13.100	14.000	10.212	10.900	5.400
34.6	2.25E+01	13.800	15.100	10.735	11.805	8.300
34.6	2.32E+01	14.000	15.600	10.972	12.216	4.400
35	2.29E+01	13.400	15.600	10.548	12.315	7.800
35	2.13E+01	11.200	15.500	8.904	12.349	6.200
34.4	1.85E+01	8.800	14.200	7.039	11.429	7.000
34.3	1.53E+01	6.400	12.400	5.235	10.093	11.100
32.9	1.26E+01	4.900	10.300	4.056	8.590	7.700
32.9	9.50E+00	3.100	8.200	2.567	6.932	10.000
31.8	6.90E+00	1.700	6.500	1.403	5.517	6.600
31.8	5.50E+00	1.100	5.500	0.938	4.556	10.100
31.8	4.50E+00	0.800	4.700	0.660	3.842	8.600
31.8	4.40E+00	0.900	4.600	0.708	3.679	9.100
33	6.10E+00	3.000	4.700	2.408	3.718	9.500
33	9.40E+00	5.600	6.300	4.412	4.988	7.100
33.8	1.12E+01	6.400	7.600	5.090	6.068	10.700
33.8	1.19E+01	6.500	8.400	5.181	6.675	8.000
34.6	1.19E+01	6.300	8.700	5.013	6.912	11.200
34.6	1.19E+01	6.100	8.900	4.867	7.075	8.800
35.3	1.20E+01	6.000	9.000	4.795	7.170	9.100
35.3	1.19E+01	5.700	9.100	4.595	7.278	11.300
35.6	1.16E+01	5.200	9.200	4.208	7.390	9.100
35.6	1.13E+01	4.700	9.200	3.829	7.428	13.000
35	1.07E+01	4.300	9.100	3.442	7.272	8.200
35	1.31E+01	7.100	9.600	5.532	7.523	9.400

1227	39.873	0	298.758593	291.487554
1202	38.777	0	300.019656	272.061983
1173	38.116	0	301.9883	262.070356
1159	37.563	0	303.37689	253.138605
1308	36.695	13.7	304.650955	244.206855
1461	36.02	19	305.605343	240.520768
1454	36.02	9.8	306.646377	241.505208
1449	35.613	22.7	307.4	242.489648
1448	34.78	44.3	307.975771	248.379305
1454	34.779	51.9	309.079473	262.272214
1400	34.211	68.1	309.687738	276.165123
1430	34.16	79.2	310.95931	290.058032
1397	34.16	78.9	313.136008	304.349925
1454	33.784	75	314.90896	318.674168
1467	33.53	73.8	315.860493	332.998412
1403	33.53	75.6	316.964852	343.54261
1401	33.313	83.6	318.492371	351.438206
1464	33.16	90.1	319.2	359.333801
1464	33.53	90	319.656	368.815655
1461	33.53	88	320	379.744251
1371	33.53	78.6	319.572444	390.672846
1372	33.78	78.2	318.167111	395.449923
1386	34.366	77.6	316.7828	394.986817
1411	34.78	69.4	315.823718	394.523711
1441	34.683	54.6	314.714522	389.095375
1397	34.152	42.5	312.72763	372.136487
1354	33.553	11.3	310.890562	355.1776
1317	32.982	0.5	309.578885	338.218712
1282	32.443	0	308.939031	323.623059
1270	31.888	0	307.694092	309.044064
1266	31.324	26.7	305.856597	294.46507
1322	31.322	54.6	304.258258	292.00676
1370	31.67	67.9	303.24552	296.606063
1348	32.043	70.2	301.908	301.205366
1354	32.666	63.1	300.263333	307.9583
1392	33.239	54.9	298.667117	315.383891
1424	33.53	52.2	297.690073	322.809481
1436	33.737	53.8	296.755909	326.744968
1439	34.305	53.8	295.13858	327.231981
1426	34.78	49.2	293.625347	327.718994
1432	34.93	46.8	292.902933	326.024487
1432	35.37	41.7	292.258889	321.354244
1429	34.78	29.6	291.42002	316.684001
1419	34.78	34.3	290.05413	315.031531
1448	34.78	65.6	288.858241	322.242281
1473	34.88	84.3	288.205408	329.453032
1435	35.446	77.4	287.567834	336.596789

0.44116	0.026	1.20628	645.266
0.44176	0.02607	1.20874	645.499
0.4422	0.02621	1.21121	645.679
0.44251	0.02628	1.2134	645.817
0.44269	0.02635	1.21498	645.92
0.44283	0.02641	1.21625	646.013
0.44295	0.02646	1.21747	646.297
0.44305	0.02655	1.21951	646.864
0.44316	0.02661	1.22141	647.727
0.44328	0.02673	1.22383	648.996
0.44341	0.02684	1.22773	651.531
0.44356	0.02699	1.23152	655.416
0.44384	0.02712	1.23488	660.336
0.44436	0.02721	1.23704	665.234
0.44516	0.02737	1.23887	670.037
0.44608	0.02749	1.24098	674.691
0.44702	0.02765	1.24334	679.651
0.44802	0.02777	1.24529	685.264
0.44906	0.02793	1.24668	691.072
0.45024	0.02809	1.24812	697.542
0.45149	0.02822	1.24979	704.231
0.45277	0.02841	1.25157	710.74
0.45407	0.02851	1.25328	716.839
0.4554	0.02866	1.25487	722.533
0.45654	0.02873	1.25553	727.018
0.45745	0.02882	1.25631	730.373
0.45818	0.02888	1.25709	732.967
0.45873	0.02894	1.2577	734.926
0.45916	0.02903	1.25808	736.37
0.45952	0.0291	1.25811	737.285
0.45977	0.02918	1.25852	737.788
0.46	0.02925	1.2594	738.311
0.46023	0.02938	1.26193	739.46
0.46045	0.02951	1.26555	742.106
0.46067	0.02965	1.26827	745.754
0.46094	0.02978	1.26952	749.259
0.46135	0.02987	1.27053	752.582
0.46183	0.03001	1.27188	755.811
0.46234	0.03011	1.27334	758.995
0.46282	0.03025	1.27471	762.044
0.4633	0.03036	1.27608	765.054
0.46375	0.03046	1.27737	767.781
0.46417	0.03058	1.27877	770.3
0.46463	0.03069	1.28036	772.843
0.46524	0.0309	1.2827	776.13
0.46595	0.03106	1.2863	780.967
0.46687	0.03126	1.29056	787.559

12:16:44.196	-7	0.00141	0.00012	0.00197	5.887	0.000568
12:16:45.196	-7	0.00152	0.00011	0.00075	4.909	0.000474
12:16:46.196	-7	0.00149	0.00013	0.0015	4.258	0.000412
12:16:47.196	-7	0.00139	0.0001	0.0019	4.275	0.000413
12:16:48.196	-7	0.00152	0.00018	0.00298	5.436	0.000525
12:16:49.196	-7	0.00226	0.00014	0.00535	9.202	0.000888
12:16:50.196	-7	0.00421	0.00023	0.0044	9.274	0.000895
12:16:51.196	-7	0.00476	0.0001	0.00316	7.729	0.000746
12:16:52.196	-7	0.004	0.00006	0.00183	6.214	0.0006
12:16:53.196	-7	0.00285	0.00005	0.00171	5.171	0.000499
12:16:54.196	-7	0.00203	0.00005	0.00185	4.289	0.000414
12:16:55.196	-7	0.00168	0.0001	0.00204	3.93	0.00038
12:16:56.196	-7	0.00153	0.00008	0.00239	4.248	0.000411
12:16:57.196	-7	0.00147	0.00014	0.00225	4.626	0.000447
12:16:58.196	-7	0.00145	0.00009	0.00201	4.797	0.000464
12:16:59.196	-7	0.00145	0.00013	0.00192	4.756	0.00046
12:17:00.196	-7	0.00128	0.0001	0.00181	4.062	0.000393
12:17:01.196	-7	0.00115	0.00008	0.00155	3.168	0.000306
12:17:02.196	-7	0.0011	0.00012	0.00083	2.655	0.000257
12:17:03.196	-7	0.00092	0.00009	0.00188	2.6	0.000252
12:17:04.196	-7	0.00074	0.00011	0.00106	2.189	0.000212
12:17:05.196	-7	0.00064	0.00008	0.00031	1.423	0.000138
12:17:06.196	-7	0.0005	0.00007	0.00018	0.636	0.000062
12:17:07.196	-7	0.00034	0.00005	0.00047	0.338	0.000033
12:17:08.196	-7	0.00023	0.00004	0.00062	0.224	0.000022
12:17:09.196	-7	0.00017	0.00005	0.00078	0.215	0.000021
12:17:10.196	-7	0.00012	0.00003	0.00084	0.269	0.000026
12:17:11.196	-7	0.0001	0.00005	0.0009	0.375	0.000036
12:17:12.196	-7	0.00009	0.00003	0.0009	0.505	0.000049
12:17:13.196	-7	0.00008	0.00005	0.00077	0.63	0.000061
12:17:14.196	-7	0.00008	0.00004	0.00054	0.707	0.000069
12:17:15.196	-7	0.00007	0.00005	0.0008	0.785	0.000076
12:17:16.196	-7	0.00007	0.00006	0.00069	0.892	0.000086
12:17:17.196	-7	0.00007	0.00005	0.0008	1.008	0.000098
12:17:18.196	-7	0.00008	0.00009	0.00088	1.111	0.000108
12:17:19.196	-7	0.0001	0.00008	0.00073	1.16	0.000112
12:17:20.196	-7	0.00012	0.0001	0.00064	1.174	0.000114
12:17:21.196	-7	0.00013	0.00009	0.00063	1.173	0.000114
12:17:22.196	-7	0.00014	0.00009	0.00064	1.197	0.000116
12:17:23.196	-7	0.00014	0.00011	0.00063	1.181	0.000114
12:17:24.196	-7	0.00014	0.00009	0.00059	1.174	0.000114
12:17:25.196	-7	0.00015	0.00012	0.00052	1.173	0.000114
12:17:26.196	-7	0.00015	0.00009	0.00052	1.171	0.000113
12:17:27.196	-7	0.00014	0.0001	0.0005	1.14	0.00011
12:17:28.196	-7	0.00014	0.00009	0.00051	1.154	0.000112
12:17:29.196	-7	0.00014	0.00009	0.00051	1.187	0.000115
12:17:30.196	-7	0.00014	0.0001	0.00052	1.199	0.000116

35.7	2.29E+01	15.200	14.200	11.846	11.047	6.200
35.7	2.73E+01	17.400	17.300	13.702	13.563	6.600
36.1	2.79E+01	16.800	18.400	13.312	14.566	7.800
36.1	2.50E+01	13.100	18.300	10.441	14.546	6.000
35.3	2.30E+01	11.300	17.800	8.896	14.081	9.100
35.3	2.47E+01	14.100	17.800	10.902	13.795	5.000
35.7	4.71E+01	35.400	25.500	27.337	19.741	8.500
35.8	6.04E+01	44.700	33.000	34.731	25.682	4.400
37.9	5.90E+01	41.400	34.000	32.399	26.609	3.000
37.9	4.82E+01	29.700	31.600	23.339	24.818	2.800
38.9	3.96E+01	22.200	28.000	17.525	22.071	3.400
38.9	3.38E+01	17.600	25.100	13.945	19.880	6.900
38.9	2.87E+01	14.200	22.000	11.274	17.420	4.700
38.9	2.62E+01	12.600	20.600	9.919	16.305	8.400
39	2.56E+01	12.300	20.100	9.697	15.865	5.400
39	2.55E+01	12.300	20.000	9.703	15.778	7.400
39.2	2.56E+01	12.300	20.000	9.731	15.823	6.800
39.2	2.59E+01	12.300	20.100	9.824	16.042	5.700
38.8	2.58E+01	12.000	20.000	9.639	16.136	9.000
38.8	2.33E+01	10.000	19.000	8.028	15.265	7.500
38.3	2.15E+01	9.200	17.500	7.404	14.060	10.300
38.2	2.09E+01	9.000	16.500	7.379	13.540	8.300
31	1.97E+01	8.300	15.300	6.929	12.792	9.700
30.8	1.50E+01	5.600	12.200	4.764	10.273	7.900
18.4	1.13E+01	3.800	9.500	3.211	8.058	6.500
18.2	8.70E+00	2.500	7.700	2.107	6.553	8.400
9.4	6.80E+00	1.800	6.200	1.549	5.273	5.900
9.2	5.80E+00	1.200	5.700	1.032	4.806	9.700
4.5	5.00E+00	0.900	5.100	0.759	4.213	5.700
4.5	4.60E+00	0.900	4.600	0.745	3.817	9.100
2.6	4.30E+00	0.700	4.500	0.588	3.707	8.400
2.6	4.10E+00	0.600	4.400	0.492	3.621	8.500
0	4.00E+00	0.600	4.300	0.490	3.520	11.800
0	4.00E+00	0.600	4.300	0.487	3.489	9.000
0	4.60E+00	1.300	4.300	1.078	3.473	16.400
0	5.30E+00	2.200	4.400	1.804	3.536	14.300
0	6.30E+00	3.300	4.500	2.687	3.612	17.600
0	7.00E+00	3.800	4.900	3.039	3.924	16.600
0	7.40E+00	3.900	5.300	3.137	4.243	16.700
0	7.70E+00	3.900	5.700	3.136	4.575	20.700
0	7.90E+00	3.700	6.100	2.996	4.884	16.900
0	8.10E+00	3.500	6.600	2.821	5.286	21.600
0	8.00E+00	3.300	6.700	2.665	5.375	16.300
0	7.90E+00	3.100	6.800	2.492	5.455	19.000
0	7.80E+00	2.800	6.900	2.262	5.544	17.500
0	7.70E+00	2.700	6.900	2.178	5.539	16.000
0	7.70E+00	2.600	7.000	2.087	5.620	18.100

1442	35.977	66.6	287.1	343.477523
1486	35.455	49.1	287.053503	350.358257
1475	34.887	56.5	286.416561	357.238991
1443	34.78	70.9	286.4	366.39272
1424	35.153	86.5	285.856733	375.709676
1447	36.044	85.7	285.7	385.026633
1489	36.894	78.7	285.295784	394.881804
1526	37.454	76.4	285	405.103323
1546	38.075	72.8	285	415.324842
1552	38.5	59.7	285	416.814732
1554	38.5	48.5	285	406.963542
1557	38.5	57.4	284.743312	397.112351
1557	38.5	61.1	283.7	387.882813
1563	38.5	58.3	283.7	386.320313
1568	38.893	57.1	283.7	384.757813
1568	39.12	52.5	283.7	383.195313
1564	38.874	38	283.7	376.887409
1551	38.287	37.3	283.7	367.658668
1534	37.88	34.7	283.7	358.429927
1476	36.531	12.8	283.7	344.239746
1353	33.049	0	283.7	326.529911
1197	27.351	0	283.7	308.820075
1143	21.116	1.4	283.593727	292.578144
1080	15.703	19.5	283	287.30818
802	10.937	28.2	282.941667	282.038215
936	7.761	31.3	282.3	276.894835
863	5.239	42.1	282.3	276.688223
776	3.574	46.5	282.3	276.481612
770	2.756	55.3	281.799818	276.275
783	1.94	61.4	281.6	277.59729
779	1.039	63.1	281.6	279.790839
780	0.401	62.8	281.6	281.984387
779	0	61.7	281.6	283.640029
779	0	61.4	281.6	284.83189
779	0	62.1	281.6	286.02375
778	0	63.1	281.6	287.119702
780	0	62.1	281.6	287.322817
781	0	62.6	281.6	287.525931
777	0	62.8	281.6	287.675174
776	0	63.1	281.6	287.501562
777	0	62.8	281.6	287.327951
780	0	63.5	281.6	287.15434
781	0	63.5	281.6	287.1
779	0	63.9	281.6	287.1
780	0	64.4	281.6	287.1
783	0	63.8	281.6	286.831541
779	0	63.4	281.6	286.204301

0.46828	0.03138	1.29253	793.446
0.4698	0.03149	1.29328	798.355
0.47129	0.03162	1.29478	802.613
0.47268	0.03172	1.29668	806.888
0.4742	0.0319	1.29966	812.324
0.47646	0.03204	1.30501	821.526
0.48067	0.03227	1.30941	830.8
0.48543	0.03237	1.31257	838.529
0.48943	0.03243	1.3144	844.743
0.49228	0.03248	1.31611	849.914
0.49431	0.03253	1.31796	854.203
0.49599	0.03263	1.32	858.133
0.49752	0.03271	1.32239	862.381
0.49899	0.03285	1.32464	867.007
0.50044	0.03294	1.32665	871.804
0.50189	0.03307	1.32857	876.56
0.50317	0.03317	1.33038	880.622
0.50432	0.03325	1.33193	883.79
0.50542	0.03337	1.33276	886.445
0.50634	0.03346	1.33464	889.045
0.50708	0.03357	1.3357	891.234
0.50772	0.03365	1.33601	892.657
0.50822	0.03372	1.33619	893.293
0.50856	0.03377	1.33666	893.631
0.50879	0.03381	1.33728	893.855
0.50896	0.03386	1.33806	894.07
0.50908	0.03389	1.3389	894.339
0.50918	0.03394	1.3398	894.714
0.50927	0.03397	1.3407	895.219
0.50935	0.03402	1.34147	895.849
0.50943	0.03406	1.34201	896.556
0.5095	0.03411	1.34281	897.341
0.50957	0.03417	1.3435	898.233
0.50964	0.03422	1.3443	899.241
0.50972	0.03431	1.34518	900.352
0.50982	0.03439	1.34591	901.512
0.50994	0.03449	1.34655	902.686
0.51007	0.03458	1.34718	903.859
0.51021	0.03467	1.34782	905.056
0.51035	0.03478	1.34845	906.237
0.51049	0.03487	1.34904	907.411
0.51064	0.03499	1.34956	908.584
0.51079	0.03508	1.35008	909.755
0.51093	0.03518	1.35058	910.895
0.51107	0.03527	1.35109	912.049
0.51121	0.03536	1.3516	913.236
0.51135	0.03546	1.35212	914.435

12:17:31.196	-7	0.00014	0.00009	0.00052	1.199	0.000116
12:17:32.196	-7	0.00014	0.00011	0.00052	1.199	0.000116
12:17:33.196	-7	0.00014	0.00008	0.00052	1.194	0.000116
12:17:34.196	-7	0.00013	0.00011	0.00051	1.193	0.000115
12:17:35.196	-7	0.00014	0.00011	0.00061	1.266	0.000123
12:17:36.196	-7	0.00031	0.00028	0.00152	2.803	0.000271
12:17:37.196	-7	0.00058	0.00053	0.00341	6.85	0.000662
12:17:38.196	-7	0.00223	0.00071	0.0083	14.442	0.001395
12:17:39.196	-7	0.00509	0.00078	0.00695	18.562	0.001792
12:17:40.196	-7	0.00692	0.00057	0.00646	20.405	0.00197
12:17:41.196	-7	0.0084	0.00083	0.00741	21.52	0.002079
12:17:42.196	-7	0.00901	0.00069	0.0074	19.372	0.001871
12:17:43.196	-7	0.00754	0.00061	0.00567	13.932	0.001346
12:17:44.196	-7	0.00609	0.00041	0.00491	10.736	0.001037
12:17:45.196	-7	0.00374	0.00021	0.00229	5.933	0.000574
12:17:46.196	-7	0.00264	0.00022	0.00245	4.086	0.000395
12:17:47.196	-7	0.00191	0.00014	0.00262	3.24	0.000314
12:17:48.196	-7	0.00202	0.00024	0.00183	3.652	0.000353
12:17:49.196	-7	0.00171	0.00019	0	1.889	0.000183
12:17:50.196	-7	0.0013	0.00023	0.00003	0.961	0.000093
12:17:51.196	-7	0.00068	0.00018	0.00056	0.412	0.00004
12:17:52.196	-7	0.0004	0.00012	0.00125	0.574	0.000056
12:17:53.196	-7	0.00024	0.00019	0.00407	1.599	0.000155
12:17:54.196	-7	0.00024	0.00014	0.0053	3.737	0.000362
12:17:55.196	-7	0.00029	0.00019	0.00282	4.205	0.000407
12:17:56.196	-7	0.00043	0.00015	0.00033	3.17	0.000306
12:17:57.196	-7	0.00042	0.00015	0.00161	2.495	0.000241
12:17:58.196	-7	0.00037	0.00013	0.00072	1.897	0.000184
12:17:59.196	-7	0.00031	0.0001	0.00015	1.051	0.000102
12:18:00.196	-7	0.00024	0.00009	0.00011	0.452	0.000044
12:18:01.196	-7	0.00019	0.00008	0.00038	0.277	0.000027
12:18:02.196	-7	0.00015	0.00016	0.00087	0.271	0.000026
12:18:03.196	-7	0.00013	0.00007	0.00087	0.273	0.000027
12:18:04.196	-7	0.00012	0.0001	0.00122	0.562	0.000055
12:18:05.196	-7	0.00033	0.00031	0.00901	4.08	0.000396
12:18:06.196	-7	0.00082	0.00042	0.01573	13.552	0.001311
12:18:07.196	-7	0.00281	0.00042	0.00773	16.934	0.001636
12:18:08.196	-7	0.00273	0.00005	0.00353	10.148	0.000981
12:18:09.196	-7	0.00145	0.00007	0.00112	4.011	0.000388
12:18:10.196	-7	0.00119	0.00002	0.0016	2.777	0.000269
12:18:11.196	-7	0.00097	0.00005	0.00118	2.065	0.0002
12:18:12.196	-7	0.00072	0.00006	0.0004	1.199	0.000116
12:18:13.196	-7	0.00055	0.00004	0.00043	0.963	0.000093
12:18:14.196	-7	0.00043	0.0001	0.0023	1.348	0.000131
12:18:15.196	-7	0.00033	0.00011	0.00239	1.95	0.000189
12:18:16.196	-7	0.0003	0.00016	0.0023	2.498	0.000242
12:18:17.196	-7	0.00031	0.00013	0.00196	2.981	0.000289

0	7.70E+00	2.500	7.100	2.007	5.690	15.600
0	7.60E+00	2.400	7.100	1.936	5.699	19.300
0	7.50E+00	2.300	7.100	1.846	5.699	15.600
0	7.50E+00	2.200	7.100	1.766	5.699	20.900
0	7.50E+00	2.200	7.100	1.766	5.698	20.000
0	7.40E+00	2.100	7.100	1.684	5.694	22.200
0.1	7.20E+00	2.100	7.100	1.653	5.588	21.900
4	1.47E+01	7.100	11.700	5.547	9.159	15.600
4.3	2.63E+01	14.800	19.000	11.498	14.810	13.300
15	3.16E+01	18.400	22.200	14.337	17.306	8.700
15.3	3.53E+01	21.900	23.200	17.181	18.158	11.600
24.5	4.10E+01	28.200	24.000	22.151	18.866	10.400
24.7	4.66E+01	33.800	25.300	26.612	19.941	12.500
32.5	4.82E+01	35.300	25.900	27.803	20.385	10.900
32.6	4.83E+01	34.900	26.000	27.689	20.649	9.000
36.7	4.42E+01	29.100	26.000	23.336	20.829	12.200
36.7	3.82E+01	23.300	24.100	18.754	19.404	9.000
37.3	3.37E+01	19.500	22.300	15.733	18.003	13.000
37.2	2.88E+01	15.500	19.200	12.861	15.915	10.600
35.4	1.98E+01	9.900	13.500	8.337	11.414	11.800
35.2	1.26E+01	5.500	9.300	4.689	7.919	11.100
28.9	7.90E+00	3.100	6.300	2.594	5.325	8.100
28.9	4.80E+00	1.400	4.300	1.205	3.563	12.200
28.1	4.30E+00	1.200	4.200	0.971	3.357	8.700
28.1	5.60E+00	2.300	4.800	1.793	3.820	11.800
29.6	9.30E+00	5.200	6.500	4.145	5.205	10.700
29.6	1.07E+01	5.700	7.700	4.586	6.163	13.000
29.8	1.10E+01	5.600	8.000	4.551	6.477	13.100
29.7	1.06E+01	4.800	8.100	3.950	6.699	11.000
25.7	9.70E+00	3.400	8.100	2.833	6.819	11.700
25.5	8.20E+00	2.400	7.300	2.000	6.222	12.100
21.3	6.50E+00	1.600	6.000	1.396	5.069	21.600
21.1	5.30E+00	1.100	5.100	0.952	4.362	10.000
16.2	4.10E+00	0.600	4.200	0.525	3.576	10.800
16.2	3.40E+00	0.200	3.900	0.185	3.217	10.700
16.6	5.30E+00	2.100	4.600	1.653	3.612	9.000
16.8	1.50E+01	9.500	9.600	7.488	7.528	7.400
23	2.17E+01	13.800	13.600	10.911	10.752	1.400
23.1	2.43E+01	14.900	15.400	11.940	12.387	4.100
29.5	2.48E+01	14.600	16.000	11.865	12.940	1.400
29.5	2.34E+01	12.600	16.000	10.327	13.064	4.400
30	2.06E+01	9.700	15.100	8.038	12.531	5.200
30	1.54E+01	6.300	12.200	5.268	10.170	3.900
29.5	1.11E+01	4.000	9.400	3.298	7.801	8.800
29.5	8.20E+00	2.600	7.400	2.114	6.089	8.800
29.7	7.00E+00	1.900	6.700	1.558	5.432	12.400
29.7	6.70E+00	1.800	6.500	1.448	5.239	9.600

779	0	62.4	281.6	285.577061
779	0	62.8	281.6	284.937518
780	0	62.8	281.610631	284.156494
779	0	62.8	282.170184	283.37547
812	0	63.5	282.3	282.594446
1190	1.74	79.5	282.3	300.485943
1858	5.774	90.9	282.936262	329.676863
2432	11.472	75.6	284.688807	358.867782
2518	17.081	77	287.516896	388.256905
2549	21.521	78.3	289.501712	418.507736
2698	26.026	74.8	292.412671	448.758568
2654	30.093	67.1	293.881766	479.009399
2339	33.089	69.6	296.269386	473.741885
2061	35.183	67.3	297.698618	463.539021
1809	36.307	60.3	298.525865	453.336158
1618	36.64	58.1	299.110627	434.558565
1529	36.554	48.6	299.176844	408.053935
1441	35.902	1.4	298.8	381.549306
1341	33.639	0	298.8	355.479467
1313	29.752	0	298.8	335.186142
1444	28.171	5.3	298.8	314.892817
1587	27.566	55.8	298.8	294.599491
1589	27.92	74.7	299.220163	299.416925
1567	28.831	72.5	299.4	313.569084
1604	29.19	68.5	299.872603	327.721244
1602	29.19	38.5	300.1	326.458206
1556	28.79	7.3	300.902632	316.024723
1459	27.062	0	301.6	305.591241
1303	23.981	0.6	301.6	295.503516
1216	22.505	3.1	301.6	286.296126
1171	19.213	8.2	301.6	277.088737
1115	16.613	16	301.6	267.881347
1107	16.15	22.9	300.142042	268.394301
1314	16.521	52.5	300.1	269.684043
1792	17.732	81	300.1	270.973785
2231	20.411	82.5	301.370166	298.591832
2432	24.334	73.4	303.066289	344.355063
2226	27.831	65.6	304.403038	390.118293
1671	29.285	41.6	305.463521	412.28144
1645	29.775	13.1	306	384.979398
1610	29.639	16.2	306	357.677356
1583	29.19	29.9	305.492531	341.241357
1601	29.19	33.3	304.833359	334.364208
1652	29.332	52.5	304.5	327.487058
1588	29.81	38.2	304.264325	323.142308
1634	29.81	49.3	303.8	323.869958
1698	30.43	57.4	303.8	324.597609

0.51149	0.03555	1.35264	915.634
0.51163	0.03566	1.35316	916.833
0.51177	0.03574	1.35368	918.027
0.5119	0.03585	1.35419	919.22
0.51204	0.03596	1.3548	920.486
0.51235	0.03624	1.35632	923.289
0.51293	0.03677	1.35973	930.139
0.51516	0.03748	1.36803	944.581
0.52025	0.03826	1.37498	963.143
0.52717	0.03883	1.38144	983.548
0.53557	0.03966	1.38885	1005.068
0.54458	0.04035	1.39625	1024.44
0.55212	0.04096	1.40192	1038.372
0.55821	0.04137	1.40683	1049.108
0.56195	0.04158	1.40912	1055.041
0.56459	0.0418	1.41157	1059.127
0.5665	0.04194	1.41419	1062.367
0.56852	0.04218	1.41602	1066.019
0.57023	0.04237	1.41602	1067.908
0.57153	0.0426	1.41605	1068.869
0.57221	0.04278	1.41661	1069.281
0.57261	0.0429	1.41786	1069.855
0.57285	0.04309	1.42193	1071.454
0.57309	0.04323	1.42723	1075.191
0.57338	0.04342	1.43005	1079.396
0.57381	0.04357	1.43038	1082.566
0.57423	0.04372	1.43199	1085.061
0.5746	0.04385	1.43271	1086.958
0.57491	0.04395	1.43286	1088.009
0.57515	0.04404	1.43297	1088.461
0.57534	0.04412	1.43335	1088.738
0.57549	0.04428	1.43422	1089.009
0.57562	0.04435	1.43509	1089.282
0.57574	0.04445	1.43631	1089.844
0.57607	0.04476	1.44532	1093.924
0.57689	0.04518	1.46105	1107.476
0.5797	0.0456	1.46878	1124.41
0.58243	0.04565	1.47231	1134.558
0.58388	0.04572	1.47343	1138.569
0.58507	0.04574	1.47503	1141.346
0.58604	0.04579	1.47621	1143.411
0.58676	0.04585	1.47661	1144.61
0.58731	0.04589	1.47704	1145.573
0.58774	0.04599	1.47934	1146.921
0.58807	0.0461	1.48173	1148.871
0.58837	0.04626	1.48403	1151.369
0.58868	0.04639	1.48599	1154.35

12:18:18.196	-7	0.00031	0.00019	0.00145	3.416	0.00033
12:18:19.196	-7	0.00033	0.00018	0.00137	4.06	0.000392
12:18:20.196	-7	0.00035	0.00015	0.0022	4.8	0.000464
12:18:21.196	-7	0.00037	0.0002	0.00175	5.385	0.00052
12:18:22.196	-7	0.0004	0.00017	0.00224	5.949	0.000574
12:18:23.196	-7	0.00042	0.00021	0.00242	6.45	0.000623
12:18:24.196	-7	0.00062	0.00021	0.00331	9.559	0.000923
12:18:25.196	-7	0.00082	0.00033	0.004	13.298	0.001283
12:18:26.196	-7	0.00208	0.00031	0.00523	20.555	0.001982
12:18:27.196	-7	0.0119	0.00042	0.01155	29.735	0.002868
12:18:28.196	-7	0.04118	0.0005	0.01432	30.823	0.002974
12:18:29.196	-7	0.06894	0.00036	0.01717	32.201	0.003109
12:18:30.196	-7	0.08128	0.00076	0.01681	30.456	0.002942
12:18:31.196	-7	0.0703	0.00038	0.01349	26.533	0.002563
12:18:32.196	-7	0.05367	0.00053	0.013	23.269	0.002248
12:18:33.196	-7	0.03759	0.0003	0.01101	20.535	0.001983
12:18:34.196	-7	0.02932	0.00029	0.01	22.741	0.002196
12:18:35.196	-7	0.02028	0.00045	0.0094	22.576	0.00218
12:18:36.196	-7	0.0098	0.00015	0.00626	13.748	0.001329
12:18:37.196	-7	0.00489	0.00022	0.00447	9.123	0.000882
12:18:38.196	-7	0.00297	0.00011	0.00541	8.951	0.000865
12:18:39.196	-7	0.0024	0.0006	0.00482	11.609	0.001121
12:18:40.196	-7	0.00159	0.00044	0.00356	10.821	0.001045
12:18:41.196	-7	0.00106	0.00021	0.00301	9.233	0.000892
12:18:42.196	-7	0.00081	0.00025	0.00398	9.409	0.000909
12:18:43.196	-7	0.00089	0.00052	0.00637	13.354	0.001289
12:18:44.196	-7	0.00103	0.00067	0.00439	15.94	0.001538
12:18:45.196	-7	0.00092	0.00019	0.00481	14.76	0.001424
12:18:46.196	-7	0.00108	0.00039	0.00562	16.958	0.001637
12:18:47.196	-7	0.00134	0.00032	0.00552	18.463	0.001782
12:18:48.196	-7	0.00164	0.00033	0.00583	17.803	0.001718
12:18:49.196	-7	0.00191	0.00042	0.00659	15.952	0.001541
12:18:50.196	-7	0.00145	0.00017	0.00366	10.174	0.000983
12:18:51.196	-7	0.00116	0.00023	0.00472	7.976	0.000771
12:18:52.196	-7	0.00093	0.00015	0.00416	7.663	0.000741
12:18:53.196	-7	0.00076	0.00029	0.00385	9.299	0.000898
12:18:54.196	-7	0.00072	0.00025	0.00334	11.097	0.001071
12:18:55.196	-7	0.00067	0.00031	0.00304	11.636	0.001123
12:18:56.196	-7	0.00061	0.00035	0.00436	11.513	0.001112
12:18:57.196	-7	0.00057	0.00029	0.00538	11.048	0.001067
12:18:58.196	-7	0.00054	0.00047	0.00498	11.591	0.001119
12:18:59.196	-7	0.00069	0.00055	0.00426	15.79	0.001524
12:19:00.196	-7	0.00063	0.00057	0.00404	13.16	0.001271
12:19:01.196	-7	0.00053	0.00027	0.00582	11.113	0.001074
12:19:02.196	-7	0.0006	0.00032	0.00657	12.341	0.001192
12:19:03.196	-7	0.00065	0.00035	0.0051	13.401	0.001294
12:19:04.196	-7	0.00064	0.00027	0.00552	13.606	0.001314

29.9	6.50E+00	1.700	6.400	1.369	5.117	12.700
29.9	6.40E+00	1.700	6.300	1.350	5.011	11.200
31	6.30E+00	1.700	6.300	1.339	4.963	9.100
31	6.30E+00	1.700	6.300	1.331	4.932	11.000
32.2	6.30E+00	1.700	6.400	1.326	4.983	9.000
32.2	6.30E+00	1.700	6.400	1.325	4.986	10.400
33	6.30E+00	1.700	6.400	1.324	4.983	7.200
33	6.50E+00	2.000	6.500	1.514	5.001	8.700
34.3	1.10E+01	5.900	8.400	4.535	6.476	5.500
34.4	4.29E+01	43.500	12.200	33.516	9.400	5.100
38.8	1.38E+02	157.500	21.500	121.771	16.605	5.600
39.1	2.13E+02	246.500	27.600	191.369	21.399	3.600
47.5	2.50E+02	289.700	30.200	226.279	23.573	7.700
47.8	2.40E+02	274.300	31.700	214.934	24.801	4.300
56.5	2.08E+02	234.200	31.600	183.500	24.772	6.800
56.6	1.72E+02	190.900	29.000	149.091	22.620	4.600
59.6	1.25E+02	137.100	23.100	106.705	17.972	4.100
59.7	8.43E+01	91.300	16.700	71.274	13.040	6.200
63.2	5.86E+01	61.500	12.700	48.602	10.038	2.900
63.3	4.27E+01	43.700	10.300	34.578	8.125	6.300
65.1	3.03E+01	30.300	8.400	23.686	6.602	3.800
65.1	2.03E+01	19.300	6.800	15.032	5.266	16.700
65	1.39E+01	12.300	5.500	9.594	4.274	12.800
65	9.90E+00	8.600	4.000	6.773	3.121	6.600
64.9	7.90E+00	6.700	3.300	5.271	2.606	8.200
64.9	6.90E+00	5.900	3.000	4.590	2.319	13.400
64.7	6.50E+00	5.500	2.900	4.282	2.248	14.200
64.7	6.20E+00	5.200	2.800	4.047	2.183	4.300
65.5	6.40E+00	5.600	2.700	4.316	2.095	7.700
65.5	7.30E+00	6.700	2.700	5.218	2.093	5.800
67	9.00E+00	9.000	2.600	6.967	2.032	6.000
67	1.07E+01	11.100	2.600	8.676	2.040	7.900
68.8	1.17E+01	12.100	2.600	9.607	2.056	4.600
68.8	1.18E+01	12.300	2.600	9.737	2.058	7.800
69.5	1.04E+01	10.600	2.600	8.344	2.048	5.700
69.5	7.70E+00	7.100	2.700	5.555	2.111	9.700
68.9	6.30E+00	5.400	2.700	4.210	2.102	7.200
68.9	5.40E+00	4.300	2.600	3.325	2.042	8.400
68.7	4.70E+00	3.500	2.500	2.765	1.971	9.100
68.7	4.60E+00	3.400	2.400	2.670	1.885	7.700
68.6	4.50E+00	3.400	2.300	2.655	1.796	12.800
68.6	4.30E+00	3.400	2.200	2.641	1.709	11.600
68.8	4.20E+00	3.300	2.000	2.596	1.583	12.600
68.8	4.20E+00	3.400	2.000	2.664	1.573	7.100
69.5	4.60E+00	3.900	2.000	3.020	1.564	8.000
69.5	4.60E+00	3.900	2.000	3.048	1.563	8.300
69.9	4.30E+00	3.500	2.000	2.777	1.567	6.200

1715	30.62	62	303.8	329.188903
1723	31.201	67.9	303.8	338.560049
1737	31.774	74.4	303.8	347.931196
1766	32.331	74.6	303.8	357.0275
1787	32.815	77.7	303.720127	365.044741
1796	32.91	66.1	303.086212	373.061983
1831	33.71	81.6	303	381.079224
1903	35.049	86.7	303	407.383258
2013	36.952	89.3	303	440.693435
2206	40.405	96.5	303.668326	474.003612
2436	45.009	95.2	304.492921	516.085926
2653	49.228	94.2	309.628583	559.78963
2851	52.889	89.9	317.05215	603.493333
2682	55.686	85.1	327.257904	612.37667
2372	57.791	82.3	338.461837	598.430759
2410	59.763	83.7	347.513627	584.484848
2481	61.524	86.6	355.126347	570.68636
2548	63.011	80.2	362.653546	557.016004
2498	64.054	65.8	369.816866	543.345648
2101	64.58	72.5	375.391956	531.5659
2070	64.58	92.5	377.607512	527.742462
2066	64.58	79.6	380.349669	523.919024
2061	64.041	69.7	381.0288	520.095586
2058	63.96	76	382.623438	517.179132
2059	63.96	94.1	383.925521	514.285934
2064	64.356	85.1	385.910727	511.392736
2075	64.877	74.7	387.51317	514.741611
2092	65.414	80	388.457831	520.446309
2116	66.124	87.4	389.289028	526.151007
2145	66.813	79.9	391.485557	532.669673
2174	67.704	78.3	392.920384	539.465481
2195	68.603	70.4	393.906073	546.261289
2202	68.93	67.5	394.2	541.405253
2201	68.737	70.6	394.2	528.683734
2195	68.31	75.8	393.818819	515.962215
2188	68.31	81.1	392.981579	509.208411
2184	68.31	72.9	392.6	510.142991
2182	68.31	70.8	392.6	511.07757
2181	68.31	70.6	392.6	511.6
2185	68.31	71.9	392.6	511.6
2188	68.31	80.4	392.69158	511.6
2197	68.31	75.8	393.4	511.637675
2203	68.752	67.8	393.4	513.620592
2211	68.93	74.1	394.003443	515.603508
2215	68.93	79.9	394.2	517.586425
2221	69.292	76.3	394.2	518.735857
2225	69.55	75.3	394.2	519.593963

0.58899	0.04658	1.48744	1157.766
0.58932	0.04676	1.48881	1161.826
0.58967	0.04691	1.49101	1166.626
0.59004	0.04711	1.49276	1172.011
0.59044	0.04728	1.495	1177.96
0.59086	0.04749	1.49742	1184.41
0.59148	0.0477	1.50073	1193.969
0.5923	0.04803	1.50473	1207.267
0.59438	0.04834	1.50996	1227.822
0.60628	0.04876	1.52151	1257.557
0.64746	0.04926	1.53583	1288.38
0.7164	0.04962	1.553	1320.581
0.79768	0.05038	1.56981	1351.037
0.86798	0.05076	1.5833	1377.57
0.92165	0.05129	1.5963	1400.839
0.95924	0.05159	1.60731	1421.374
0.98856	0.05188	1.61731	1444.115
1.00884	0.05233	1.62671	1466.691
1.01864	0.05248	1.63297	1480.439
1.02353	0.0527	1.63744	1489.562
1.0265	0.05281	1.64285	1498.513
1.0289	0.05341	1.64767	1510.122
1.03049	0.05385	1.65123	1520.943
1.03155	0.05406	1.65424	1530.176
1.03236	0.05431	1.65822	1539.585
1.03325	0.05483	1.66459	1552.939
1.03428	0.0555	1.66898	1568.879
1.0352	0.05569	1.67379	1583.639
1.03628	0.05608	1.67941	1600.597
1.03762	0.0564	1.68493	1619.06
1.03926	0.05673	1.69076	1636.863
1.04117	0.05715	1.69735	1652.815
1.04262	0.05732	1.70101	1662.989
1.04378	0.05755	1.70573	1670.965
1.04471	0.0577	1.70989	1678.628
1.04547	0.05799	1.71374	1687.927
1.04619	0.05824	1.71708	1699.024
1.04686	0.05855	1.72012	1710.66
1.04747	0.0589	1.72448	1722.173
1.04804	0.05919	1.72986	1733.221
1.04858	0.05966	1.73484	1744.812
1.04927	0.06021	1.7391	1760.602
1.0499	0.06078	1.74314	1773.762
1.05043	0.06105	1.74896	1784.875
1.05103	0.06137	1.75553	1797.216
1.05168	0.06172	1.76063	1810.617
1.05232	0.06199	1.76615	1824.223

12:19:05.196	-7	0.0006	0.00038	0.00615	13.157	0.001271
12:19:06.196	-7	0.00059	0.00024	0.00645	12.823	0.001239
12:19:07.196	-7	0.00055	0.00036	0.00603	12.907	0.001247
12:19:08.196	-7	0.00056	0.00026	0.0056	12.809	0.001237
12:19:09.196	-7	0.00051	0.00032	0.00521	11.351	0.001097
12:19:10.196	-7	0.0004	0.00024	0.00541	10.096	0.000976
12:19:11.196	-7	0.00044	0.00028	0.00505	12.761	0.001232
12:19:12.196	-7	0.00054	0.00041	0.00386	16.552	0.001597
12:19:13.196	-7	0.00058	0.00029	0.00346	17.121	0.001653
12:19:14.196	-7	0.00047	0.00039	0.00428	12.413	0.0012
12:19:15.196	-7	0.0003	0.00017	0.00267	7.022	0.000679
12:19:16.196	-7	0.00026	0.00019	0.00258	5.316	0.000514
12:19:17.196	-7	0.00023	0.00016	0.00136	3.87	0.000375
12:19:18.196	-7	0.0002	0.00019	0.00352	3.67	0.000356
12:19:19.196	-7	0.00014	0.00023	0.00739	6.223	0.000603
12:19:20.196	-7	0.0001	0.00012	0.00198	3.895	0.000377
12:19:21.196	-7	0.00008	0.00015	0	1.791	0.000173
12:19:22.196	-7	0.00004	0.0001	0.00203	1.281	0.000124
12:19:23.196	-7	0.00003	0.00017	0.00395	2.333	0.000226
12:19:24.196	-7	0.00004	0.00017	0.00533	4.422	0.000428
12:19:25.196	-7	0.00005	0.00016	0.00512	6.06	0.000586
12:19:26.196	-7	0.00005	0.00027	0.00473	7.576	0.000732
12:19:27.196	-7	0.00007	0.00023	0.00507	10.469	0.001011
12:19:28.196	-7	0.00008	0.00037	0.00452	12.38	0.001195
12:19:29.196	-7	0.00009	0.00023	0.0044	14.651	0.001414
12:19:30.196	-7	0.00011	0.0004	0.00482	14.787	0.001427
12:19:31.196	-7	0.00025	0.00028	0.00578	13.483	0.001302
12:19:32.196	-7	0.00033	0.00022	0.00559	12.259	0.001184
12:19:33.196	-7	0.0005	0.00041	0.00558	16.43	0.001585
12:19:34.196	-7	0.00075	0.00036	0.00486	19.118	0.001845
12:19:35.196	-7	0.00109	0.00041	0.0042	15.397	0.001487
12:19:36.196	-7	0.00147	0.00026	0.00396	13.415	0.001295
12:19:37.196	-7	0.00214	0.00059	0.00555	19.227	0.001855
12:19:38.196	-7	0.00246	0.0004	0.00747	20.04	0.001934
12:19:39.196	-7	0.00326	0.00033	0.00386	18.526	0.001788
12:19:40.196	-7	0.00328	0.00032	0.00472	13.61	0.001314
12:19:41.196	-7	0.00361	0.00024	0.00575	14.54	0.001403
12:19:42.196	-7	0.00363	0.00054	0.00616	18.003	0.001737
12:19:43.196	-7	0.00337	0.00028	0.00543	18.536	0.001789
12:19:44.196	-7	0.00306	0.00035	0.00581	16.345	0.001578
12:19:45.196	-7	0.00337	0.00023	0.00705	15.343	0.001482
12:19:46.196	-7	0.00355	0.00029	0.0066	15.005	0.001449
12:19:47.196	-7	0.00339	0.00032	0.00648	14.093	0.001361
12:19:48.196	-7	0.00316	0.00023	0.00643	14.403	0.001391
12:19:49.196	-7	0.00307	0.00049	0.00615	15.402	0.001487
12:19:50.196	-7	0.00295	0.00028	0.00552	14.88	0.001437
12:19:51.196	-7	0.00273	0.00039	0.00569	13.325	0.001287

69.9	4.10E+00	3.300	1.900	2.601	1.491	8.600
70.1	4.10E+00	3.300	1.900	2.593	1.493	5.600
70.1	4.00E+00	3.200	1.900	2.516	1.486	8.700
70.3	3.90E+00	3.200	1.800	2.512	1.413	6.000
70.3	3.90E+00	3.100	1.800	2.453	1.419	8.000
70.5	3.50E+00	2.700	1.700	2.142	1.346	6.900
70.5	3.40E+00	2.600	1.700	2.027	1.325	7.100
70.4	3.30E+00	2.600	1.700	2.017	1.319	8.300
70.4	3.20E+00	2.400	1.700	1.875	1.328	5.400
71.2	3.10E+00	2.300	1.600	1.820	1.266	8.500
71.2	3.20E+00	2.500	1.500	1.981	1.206	6.200
71.9	3.40E+00	2.700	1.500	2.157	1.204	8.000
71.9	3.30E+00	2.600	1.400	2.123	1.138	7.400
70.9	2.50E+00	1.600	1.400	1.313	1.148	7.800
70.9	1.60E+00	0.800	1.200	0.657	0.957	9.100
69.3	1.50E+00	0.600	1.200	0.488	0.975	5.800
69.2	1.30E+00	0.400	1.100	0.344	0.927	8.400
67.4	8.00E-01	0.000	0.900	0.031	0.774	6.000
67.3	6.00E-01	-0.200	0.700	0.000	0.587	9.700
65.5	6.00E-01	-0.300	0.700	0.000	0.565	8.000
65.5	6.00E-01	-0.400	0.800	0.000	0.623	7.200
64.7	6.00E-01	-0.400	0.800	0.000	0.628	10.500
64.7	6.00E-01	-0.400	0.800	0.000	0.624	7.000
64	6.00E-01	-0.400	0.800	0.000	0.620	10.100
64	6.00E-01	-0.300	0.800	0.000	0.620	5.200
64.1	8.00E-01	0.200	0.800	0.137	0.622	8.700
64.1	1.70E+00	1.400	0.800	1.113	0.625	6.500
65.7	2.60E+00	2.500	0.800	1.964	0.622	5.800
65.7	3.10E+00	3.300	0.800	2.523	0.619	8.500
65.1	3.90E+00	4.300	0.800	3.329	0.620	6.300
65.1	6.60E+00	7.600	0.800	5.954	0.625	8.200
66.6	1.04E+01	12.500	0.800	9.755	0.624	6.100
66.6	1.15E+01	14.100	0.800	10.872	0.618	10.400
67.1	1.26E+01	15.400	0.800	11.947	0.619	6.800
67.1	1.68E+01	20.600	0.900	16.089	0.691	5.600
68.6	2.24E+01	27.700	0.900	21.676	0.703	7.200
68.6	2.45E+01	30.600	0.900	23.754	0.699	5.400
69.6	2.07E+01	25.700	1.000	19.895	0.774	10.200
69.6	1.78E+01	22.000	1.000	17.072	0.777	5.000
70.8	1.77E+01	21.700	1.000	16.914	0.780	6.600
70.8	2.06E+01	25.400	1.000	19.792	0.780	4.700
71.8	2.20E+01	27.200	1.000	21.209	0.781	6.000
71.8	2.20E+01	27.200	1.000	21.267	0.782	6.800
72.5	2.09E+01	25.800	1.000	20.114	0.779	5.000
72.5	1.90E+01	23.400	1.000	18.204	0.779	10.000
72.8	1.80E+01	22.000	1.000	17.245	0.783	5.700
72.8	1.84E+01	22.400	1.000	17.580	0.784	8.600

2227	69.55	74.5	394.2	520.452069
2232	69.55	73.9	394.2	519.617056
2241	69.606	75.6	394.2	516.933074
2244	70.169	74.7	394.2	514.249091
2237	69.606	67.6	394.2	511.649815
2239	69.55	80.2	394.2	515.481748
2240	70.101	74.9	394.2	519.313681
2252	70.17	76.9	394.2	522.743565
2271	70.662	72.8	394.2	515.995282
2280	71.225	65.6	394.2	509.246999
2278	71.042	60.4	394.2	502.498716
2256	70.238	34.1	394.2	480.889703
2228	69.374	30	394.2	452.572871
2210	68.93	70.9	393.75994	424.25604
2194	68.586	56.3	393.4	405.96252
2161	67.663	18	393.4	392.85557
2121	66.525	21.4	392.932724	379.748619
2089	65.412	44.1	392.199265	372.735175
2071	64.406	51.3	391.8	371.623315
2058	63.96	67.1	390.933634	370.511456
2046	63.714	79.5	390.3	380.680773
2036	63.34	81.6	390.3	400.459982
2031	63.34	78.5	390.3	420.23919
2036	63.419	73.8	390.3	440.423807
2048	63.911	78.7	390.158786	461.656089
2059	64.468	83.4	389.519808	482.888371
2074	64.58	74.8	388.882803	504.120654
2080	64.58	84.7	388.168994	516.998195
2089	64.825	88.5	387.519122	528.066558
2107	65.403	81.5	386.46497	539.134922
2123	66.002	80.2	384.535714	547.007438
2130	66.45	87	383.032566	550.861698
2144	66.565	90.5	382.6	554.715959
2166	67.691	89.4	382.6	557.654058
2191	68.183	79.4	382.6	553.998793
2208	68.872	70.6	382.663	550.343528
2219	69.55	86.9	383.443083	548.011314
2236	69.55	77.2	384.373131	553.806416
2253	70.182	77.1	385.839532	559.601518
2276	70.853	73.4	386.84559	562.859214
2293	71.395	77.4	388.499681	558.125662
2302	71.957	70.3	390.341856	553.392111
2307	72.04	75.8	392.434668	548.658559
2313	72.04	77.1	393.946984	546.396791
2321	72.377	74.6	394.69691	544.465716
2332	72.66	72.5	395.863785	542.534641
2343	72.866	73.7	398.172277	534.935674

1.05292	0.06237	1.7723	1837.38
1.05351	0.06261	1.77875	1850.203
1.05406	0.06297	1.78478	1863.11
1.05462	0.06323	1.79038	1875.919
1.05513	0.06355	1.79559	1887.27
1.05553	0.06379	1.801	1897.366
1.05597	0.06407	1.80605	1910.127
1.05651	0.06448	1.80991	1926.679
1.05709	0.06477	1.81337	1943.8
1.05756	0.06516	1.81765	1956.213
1.05786	0.06533	1.82032	1963.235
1.05812	0.06552	1.8229	1968.551
1.05835	0.06568	1.82426	1972.421
1.05855	0.06587	1.82778	1976.091
1.05869	0.0661	1.83517	1982.314
1.05879	0.06622	1.83715	1986.209
1.05887	0.06637	1.83715	1988
1.05891	0.06647	1.83918	1989.281
1.05894	0.06664	1.84313	1991.614
1.05898	0.06681	1.84846	1996.036
1.05903	0.06697	1.85358	2002.096
1.05908	0.06724	1.85831	2009.672
1.05915	0.06747	1.86338	2020.141
1.05923	0.06784	1.8679	2032.521
1.05932	0.06807	1.8723	2047.172
1.05943	0.06847	1.87712	2061.959
1.05968	0.06875	1.8829	2075.442
1.06001	0.06897	1.88849	2087.701
1.06051	0.06938	1.89407	2104.131
1.06126	0.06974	1.89893	2123.249
1.06235	0.07015	1.90313	2138.646
1.06382	0.07041	1.90709	2152.061
1.06596	0.071	1.91264	2171.288
1.06842	0.0714	1.92011	2191.328
1.07168	0.07173	1.92397	2209.854
1.07496	0.07205	1.92869	2223.464
1.07857	0.07229	1.93444	2238.004
1.0822	0.07283	1.9406	2256.007
1.08557	0.07311	1.94603	2274.543
1.08863	0.07346	1.95184	2290.888
1.092	0.07369	1.95889	2306.231
1.09555	0.07398	1.96549	2321.236
1.09894	0.0743	1.97197	2335.329
1.1021	0.07453	1.9784	2349.732
1.10517	0.07502	1.98455	2365.134
1.10812	0.0753	1.99007	2380.014
1.11085	0.07569	1.99576	2393.339

12:19:52.196	-7	0.00293	0.00026	0.00558	12.575	0.001215
12:19:53.196	-7	0.00311	0.00038	0.00275	11.664	0.001127
12:19:54.196	-7	0.00262	0.00026	0.00175	6.253	0.000605
12:19:55.196	-7	0.00247	0.00021	0.00456	7.258	0.000702
12:19:56.196	-7	0.00293	0.00032	0.00676	9.836	0.000951
12:19:57.196	-7	0.00287	0.00021	0.00412	10.779	0.001041
12:19:58.196	-7	0.00257	0.00036	0.00412	11.029	0.001066
12:19:59.196	-7	0.00232	0.0002	0.00418	10.567	0.001021
12:20:00.196	-7	0.00203	0.0003	0.00365	9.176	0.000887
12:20:01.196	-7	0.00191	0.00023	0.00262	5.61	0.000543
12:20:02.196	-7	0.00154	0.00016	0.00015	3.819	0.000369
12:20:03.196	-7	0.00171	0.00039	0.00712	6.611	0.00064
12:20:04.196	-7	0.00196	0.0005	0.00744	10.28	0.000994
12:20:05.196	-7	0.00197	0.00061	0.00575	11.376	0.001099
12:20:06.196	-7	0.00191	0.00046	0.00543	12.054	0.001165
12:20:07.196	-7	0.00179	0.00048	0.00525	11.612	0.001122
12:20:08.196	-7	0.00171	0.00038	0.00496	10.952	0.001058
12:20:09.196	-7	0.00174	0.00028	0.00461	10.212	0.000987
12:20:10.196	-7	0.00165	0.00039	0.00427	9.516	0.000919
12:20:11.196	-7	0.00161	0.00023	0.00394	9.564	0.000924
12:20:12.196	-7	0.00147	0.00039	0.00365	9.599	0.000927
12:20:13.196	-7	0.00136	0.00028	0.00368	9.666	0.000934
12:20:14.196	-7	0.00126	0.00034	0.00371	9.68	0.000935
12:20:15.196	-7	0.00122	0.00031	0.00425	9.631	0.00093
12:20:16.196	-7	0.00125	0.0003	0.00463	10.26	0.000991
12:20:17.196	-7	0.00128	0.00043	0.00454	10.903	0.001053
12:20:18.196	-7	0.00127	0.00032	0.00447	10.665	0.001031
12:20:19.196	-7	0.00126	0.00042	0.00499	10.789	0.001043
12:20:20.196	-7	0.00122	0.00032	0.00499	10.775	0.001041
12:20:21.196	-7	0.00114	0.00036	0.00475	10.397	0.001005
12:20:22.196	-7	0.00112	0.00031	0.00469	10.482	0.001013
12:20:23.196	-7	0.00112	0.00025	0.00429	10.497	0.001014
12:20:24.196	-7	0.00117	0.00023	0.004	10.613	0.001025
12:20:25.196	-7	0.00123	0.00009	0.00408	10.814	0.001044
12:20:26.196	-7	0.00131	0.00016	0.00416	10.985	0.001061
12:20:27.196	-7	0.00139	0.00009	0.00421	10.967	0.001059
12:20:28.196	-7	0.00146	0.00013	0.00463	10.668	0.001031
12:20:29.196	-7	0.00128	0.00009	0.0039	8.711	0.000842
12:20:30.196	-7	0.00095	0.00005	0.00361	5.009	0.000485
12:20:31.196	-7	0.00092	0.00015	0.00587	6.803	0.000658
12:20:32.196	-7	0.0009	0.00016	0.00575	9.019	0.000872
12:20:33.196	-7	0.00093	0.00039	0.00438	10.942	0.001057
12:20:34.196	-7	0.001	0.00027	0.00462	12.563	0.001213
12:20:35.196	-7	0.00109	0.00045	0.00505	13.272	0.001282
12:20:36.196	-7	0.00114	0.00036	0.00553	12.459	0.001204
12:20:37.196	-6.7	0.00141	0.0003	0.00592	11.726	0.001133
12:20:38.196	-6.3	0.0016	0.00032	0.00511	11.799	0.00114

73.5	2.06E+01	25.300	1.000	19.829	0.784	6.100
73.5	2.12E+01	25.800	1.000	20.414	0.792	8.500
74.2	2.20E+01	26.100	1.000	21.217	0.814	7.200
74.2	2.34E+01	28.300	1.000	22.648	0.801	6.600
73.3	2.42E+01	29.600	1.000	23.369	0.791	8.700
73.3	2.28E+01	27.900	1.000	21.974	0.787	5.600
73.2	2.00E+01	24.400	1.000	19.197	0.787	9.300
73.2	1.88E+01	22.900	1.000	18.014	0.788	5.200
73.2	1.88E+01	22.900	1.000	18.032	0.788	9.100
73.2	2.04E+01	24.200	1.000	19.566	0.808	8.300
73.2	2.01E+01	23.800	0.900	19.404	0.745	6.800
73.2	1.72E+01	20.600	0.900	16.502	0.723	13.100
71.3	1.63E+01	19.700	0.900	15.547	0.709	13.900
71.3	1.53E+01	18.600	0.900	14.585	0.707	15.800
71.1	1.38E+01	16.700	0.900	13.116	0.708	11.000
71.1	1.35E+01	16.200	0.900	12.747	0.708	11.800
71.5	1.36E+01	16.400	0.900	12.878	0.708	10.100
71.5	1.49E+01	18.000	0.900	14.153	0.708	8.000
71.7	1.52E+01	18.400	0.900	14.459	0.707	12.000
71.7	1.49E+01	18.100	0.800	14.245	0.628	7.000
71.5	1.36E+01	16.500	0.800	12.968	0.628	12.000
71.5	1.24E+01	15.000	0.800	11.812	0.628	8.600
71.3	1.15E+01	13.900	0.800	10.890	0.628	10.200
71.3	1.10E+01	13.200	0.800	10.401	0.629	9.300
71.2	1.06E+01	12.700	0.800	10.011	0.629	8.400
71.2	1.03E+01	12.300	0.800	9.675	0.629	11.400
72	1.02E+01	12.200	0.700	9.624	0.562	8.600
72	9.90E+00	11.900	0.700	9.386	0.552	11.000
71.5	9.60E+00	11.500	0.700	9.072	0.552	8.400
71.5	9.40E+00	11.400	0.600	8.975	0.472	10.000
71.9	9.40E+00	11.400	0.600	8.960	0.472	8.600
71.9	9.60E+00	11.600	0.600	9.085	0.471	7.200
72	9.90E+00	12.000	0.600	9.398	0.471	6.500
72	1.01E+01	12.300	0.600	9.643	0.471	2.400
72.2	1.06E+01	12.900	0.600	10.098	0.471	4.400
72.2	1.11E+01	13.600	0.600	10.658	0.471	2.300
72.3	1.18E+01	14.500	0.600	11.374	0.472	3.600
72.3	1.20E+01	14.700	0.500	11.618	0.404	2.700
72.5	1.22E+01	14.600	0.500	11.757	0.402	2.200
72.5	1.04E+01	12.600	0.500	10.005	0.397	5.700
71.8	8.80E+00	10.700	0.500	8.374	0.393	5.100
71.8	7.80E+00	9.500	0.500	7.395	0.391	11.000
71.7	7.30E+00	8.800	0.500	6.916	0.391	6.600
71.7	7.30E+00	8.800	0.500	6.906	0.392	10.000
72	7.80E+00	9.400	0.500	7.437	0.394	8.100
72	1.04E+01	12.800	0.500	10.050	0.393	7.400
72.7	1.22E+01	15.200	0.400	11.915	0.314	8.000

2350	73.28	76.8	400.134815	522.020313
2353	73.151	59.7	400.897898	509.104953
2333	72.66	27.1	401.668829	498.154091
2325	72.66	71.6	402.379829	491.264801
2327	72.66	67	403.150428	484.375511
2327	72.66	66.7	404.7	477.50734
2325	72.66	68	404.7	481.177363
2326	72.66	71	405.474616	484.847386
2324	72.66	71.4	404.728657	488.517408
2305	71.868	21.2	404.7	468.040269
2279	71.079	44.9	404.7	445.548687
2262	70.79	70.4	403.021459	423.057104
2258	70.311	69.2	402.2	438.989659
2262	70.6	70.8	402.2	456.817214
2268	70.79	70.6	401.595948	474.644768
2274	70.79	72.6	400.863254	484.157838
2277	70.79	74.3	400.1197	490.004867
2274	70.79	72.2	399.226	495.851896
2270	70.79	69.5	398.289778	498.030457
2267	70.79	68.5	396.765764	496.955849
2265	70.79	68.1	395.396276	495.88124
2264	70.708	67.7	394.696795	494.533498
2262	70.172	67	394.2	492.458399
2263	70.749	66	394.135467	490.3833
2264	70.79	70.5	393.4	488.66126
2268	70.79	70.2	393.266122	488.075861
2272	70.79	68.7	392.6	487.490461
2273	70.79	69.6	392.6	486.662366
2278	70.823	70.1	392.6	485.348148
2283	71.395	69.6	392.6	484.033931
2289	71.42	74.2	392.6	482.719713
2290	71.42	73.5	392.6	487.499724
2292	71.42	72.7	392.6	492.372541
2294	71.42	72	392.6	497.245357
2297	71.42	71.5	392.6	498.223034
2299	71.634	70.9	392.6	497.700921
2303	72.04	70.7	392.6	497.178808
2301	71.828	53.9	392.6	490.424863
2288	71.218	46.8	392.6	476.52972
2277	70.79	69.7	392.272016	462.634577
2275	70.79	67.1	391.8	457.665411
2277	70.942	68.4	391.8	468.773006
2283	71.42	70.8	391.8	479.880601
2291	71.462	69.1	391.8	489.219769
2298	71.996	69.8	391.893515	491.350577
2307	72.04	73.3	392.576109	493.481385
2317	72.04	77.5	392.6	495.612193

1.11378	0.07595	2.00134	2405.914
1.11689	0.07633	2.00409	2417.578
1.11951	0.07659	2.00584	2423.831
1.12198	0.0768	2.0104	2431.089
1.12491	0.07712	2.01716	2440.925
1.12778	0.07733	2.02128	2451.704
1.13035	0.07769	2.0254	2462.733
1.13267	0.07789	2.02958	2473.3
1.1347	0.07819	2.03323	2482.476
1.13661	0.07842	2.03585	2488.086
1.13815	0.07858	2.036	2491.905
1.13986	0.07897	2.04312	2498.516
1.14182	0.07947	2.05056	2508.796
1.14379	0.08008	2.05631	2520.172
1.1457	0.08054	2.06174	2532.226
1.14749	0.08102	2.06699	2543.838
1.1492	0.0814	2.07195	2554.79
1.15094	0.08168	2.07656	2565.002
1.15259	0.08207	2.08083	2574.518
1.1542	0.0823	2.08477	2584.082
1.15567	0.08269	2.08842	2593.681
1.15703	0.08297	2.0921	2603.347
1.15829	0.08331	2.09581	2613.027
1.15951	0.08362	2.10006	2622.658
1.16076	0.08392	2.10469	2632.918
1.16204	0.08435	2.10923	2643.821
1.16331	0.08467	2.1137	2654.486
1.16457	0.08509	2.11869	2665.275
1.16579	0.08541	2.12368	2676.05
1.16693	0.08577	2.12843	2686.447
1.16805	0.08608	2.13312	2696.929
1.16917	0.08633	2.13741	2707.426
1.17034	0.08656	2.14141	2718.039
1.17157	0.08665	2.14549	2728.853
1.17288	0.08681	2.14965	2739.838
1.17427	0.0869	2.15386	2750.805
1.17573	0.08703	2.15849	2761.473
1.17701	0.08712	2.16239	2770.184
1.17796	0.08717	2.166	2775.193
1.17888	0.08732	2.17187	2781.996
1.17978	0.08748	2.17762	2791.015
1.18071	0.08787	2.182	2801.957
1.18171	0.08814	2.18662	2814.52
1.1828	0.08859	2.19167	2827.792
1.18394	0.08895	2.1972	2840.251
1.18535	0.08925	2.20312	2851.977
1.18695	0.08957	2.20823	2863.776

12:20:39.196	-7	0.00168	0.00028	0.00403	10.823	0.001046
12:20:40.196	-7	0.0012	0.00033	0	5.926	0.000573
12:20:41.196	-7	0.00082	0.00017	0.00301	3.842	0.000372
12:20:42.196	-7	0.00079	0.00033	0.00792	8.872	0.000858
12:20:43.196	-7	0.0008	0.00029	0.00503	11.623	0.001123
12:20:44.196	-7	0.00091	0.00031	0.00508	13.436	0.001298
12:20:45.196	-7	0.00092	0.00038	0.00499	12.523	0.00121
12:20:46.196	-6.7	0.00109	0.00023	0.00332	10.037	0.00097
12:20:47.196	-6.3	0.00095	0.0002	0.00242	6.313	0.00061
12:20:48.196	-7	0.00087	0.00011	0.00288	5.414	0.000524
12:20:49.196	-7	0.0009	0.00025	0.00425	8.228	0.000795
12:20:50.196	-7	0.00086	0.00022	0.00529	11.176	0.001079
12:20:51.196	-6.7	0.00082	0.00022	0.00468	12.056	0.001164
12:20:52.196	-6	0.00079	0.00028	0.0034	11.071	0.00107
12:20:53.196	-6	0.00071	0.00014	0.00366	9.506	0.000919
12:20:54.196	-6.3	0.00066	0.00025	0.00434	8.229	0.000796
12:20:55.196	-7	0.00063	0.00012	0.00408	8.233	0.000796
12:20:56.196	-7	0.00069	0.00028	0.00295	9.478	0.000915
12:20:57.196	-7	0.00075	0.00018	0.00211	10.232	0.000988
12:20:58.196	-7	0.00077	0.0002	0.00241	10.353	0.001
12:20:59.196	-7	0.00076	0.00022	0.00295	10.236	0.000989
12:21:00.196	-7	0.00075	0.00017	0.00325	10.047	0.00097
12:21:01.196	-7	0.00076	0.00031	0.0033	10.212	0.000986
12:21:02.196	-7	0.00076	0.00014	0.00328	9.996	0.000966
12:21:03.196	-7	0.0007	0.00028	0.0035	8.953	0.000865
12:21:04.196	-6.7	0.00062	0.0002	0.00324	7.749	0.000749
12:21:05.196	-6.3	0.00053	0.00017	0.00237	6.638	0.000642
12:21:06.196	-6.7	0.00041	0.00019	0.00171	5.895	0.00057
12:21:07.196	-6	0.00028	0.00012	0.00165	4.968	0.00048
12:21:08.196	-6.3	0.0002	0.00015	0.002	4.059	0.000393
12:21:09.196	-7	0.00017	0.00011	0.00172	3.49	0.000338
12:21:10.196	-7	0.00014	0.00023	0.00366	4.519	0.000437
12:21:11.196	-7	0.00017	0.00041	0.00609	9.108	0.00088
12:21:12.196	-7	0.0002	0.00056	0.00559	11.771	0.001136
12:21:13.196	-7	0.00017	0.00036	0.00266	8.185	0.000791
12:21:14.196	-7	0.00014	0.00013	0.00125	4.529	0.000438
12:21:15.196	-7	0.00015	0.00016	0.00261	3.202	0.00031
12:21:16.196	-7	0.00014	0.00011	0.00272	3.344	0.000324
12:21:17.196	-7	0.00018	0.00031	0.00397	5.521	0.000534
12:21:18.196	-7	0.00018	0.00033	0.00428	7.848	0.000758
12:21:19.196	-7	0.00015	0.00036	0.0027	9.049	0.000874
12:21:20.196	-7	0.00015	0.00035	0.00319	10.675	0.001031
12:21:21.196	-7	0.00017	0.00027	0.0036	11.832	0.001142
12:21:22.196	-7	0.00023	0.00033	0.00375	10.166	0.000982
12:21:23.196	-7	0.00031	0.00014	0.00281	6.943	0.000671
12:21:24.196	-7	0.00029	0.00018	0.00141	5.131	0.000496
12:21:25.196	-7	0.00028	0.00015	0	2.952	0.000286

72.7	1.26E+01	15.500	0.500	12.250	0.395	7.000
73.2	1.20E+01	14.500	0.400	11.720	0.323	11.100
73.2	9.70E+00	11.500	0.400	9.410	0.328	6.700
72	7.00E+00	8.500	0.400	6.707	0.317	9.600
72	6.10E+00	7.400	0.400	5.773	0.314	7.400
71.6	6.00E+00	7.200	0.500	5.642	0.382	6.800
71.6	6.30E+00	7.500	0.500	5.873	0.394	8.600
72.2	8.70E+00	10.500	0.400	8.333	0.327	6.000
72.2	1.12E+01	13.600	0.500	10.813	0.398	7.700
72.4	1.15E+01	14.000	0.400	11.165	0.319	4.900
72.4	9.50E+00	11.600	0.500	9.114	0.381	8.700
71.7	7.20E+00	8.800	0.500	6.855	0.390	6.200
71.7	6.20E+00	7.400	0.500	5.827	0.391	5.600
71.5	6.10E+00	7.200	0.500	5.684	0.394	7.000
71.5	6.10E+00	7.200	0.500	5.694	0.395	4.000
71.5	6.30E+00	7.500	0.500	5.921	0.396	8.100
71.5	6.50E+00	7.800	0.500	6.123	0.393	4.000
71.5	6.60E+00	7.900	0.500	6.182	0.391	8.800
71.5	6.60E+00	7.900	0.500	6.180	0.391	5.200
71.6	6.60E+00	7.900	0.500	6.189	0.392	5.800
71.6	6.50E+00	7.800	0.500	6.115	0.392	6.300
71.5	6.50E+00	7.800	0.500	6.121	0.392	5.000
71.5	6.50E+00	7.800	0.500	6.121	0.392	8.900
71.5	6.50E+00	7.800	0.500	6.125	0.393	4.000
71.5	6.60E+00	7.900	0.500	6.216	0.393	8.700
71.5	6.60E+00	7.900	0.400	6.236	0.316	6.800
71.5	6.30E+00	7.500	0.400	5.970	0.317	6.800
71.1	5.40E+00	6.400	0.400	5.068	0.317	8.300
71.1	4.20E+00	4.900	0.400	3.892	0.319	6.100
70.5	3.40E+00	3.900	0.400	3.079	0.320	8.700
70.5	2.90E+00	3.200	0.400	2.601	0.322	6.300
69.2	2.00E+00	2.200	0.300	1.732	0.241	11.100
69.2	1.60E+00	1.800	0.300	1.411	0.235	13.000
68.5	1.60E+00	1.700	0.400	1.319	0.310	15.400
68.5	1.70E+00	1.700	0.400	1.343	0.316	11.700
68.5	2.00E+00	2.100	0.400	1.666	0.321	5.900
68.5	2.60E+00	3.000	0.300	2.385	0.243	9.500
67.9	2.70E+00	3.100	0.300	2.490	0.241	7.000
67.9	2.60E+00	3.000	0.300	2.383	0.237	14.600
67.1	2.10E+00	2.400	0.300	1.837	0.234	12.900
67.1	1.60E+00	1.700	0.300	1.356	0.234	12.300
67	1.30E+00	1.400	0.300	1.100	0.234	10.100
67	1.30E+00	1.400	0.300	1.093	0.234	7.000
67.7	2.00E+00	2.200	0.300	1.750	0.236	9.300
67.7	3.40E+00	4.000	0.300	3.185	0.238	5.000
68.2	3.90E+00	4.600	0.300	3.654	0.240	8.300
68.2	4.10E+00	4.700	0.300	3.853	0.246	7.300

2314	72.04	54.9	392.6	476.54042
2305	71.774	20	392.6	452.751203
2289	71.156	36.8	392.14034	428.961986
2276	70.79	71.7	390.839532	427.131173
2278	70.995	71.2	390.3	444.385701
2286	71.42	71.9	389.958283	461.640229
2294	71.558	68.6	389.5	469.555595
2301	71.984	65.1	389.302936	462.740119
2298	71.421	54.1	388.677818	455.924643
2282	70.848	63	388	449.593969
2274	70.79	72.7	388	460.092852
2268	70.79	68.6	387.2	470.591735
2272	70.79	68.9	386.859649	475.844485
2274	70.79	65.6	386.141103	471.003799
2273	70.79	58.6	385.7	466.163113
2273	70.79	60.3	385.440483	462.077717
2271	70.79	69.5	383.7614	466.920236
2271	70.79	71.6	383.3	471.762756
2271	70.79	68.6	382.935167	474.951522
2267	70.79	67.5	382.6	476.720151
2268	70.79	67.5	382.439854	478.488779
2271	70.79	67.8	381.8	479.955484
2269	70.79	67.5	381.8	478.33171
2269	70.79	65.7	381.8	476.707935
2267	70.79	64.5	381.8	475.084161
2263	70.79	60.6	381.8	467.48205
2257	70.478	58.8	381.8	458.611807
2246	69.908	52.2	381.8	449.741564
2229	69.352	47.6	381.8	437.572663
2209	68.811	48	381.8	421.942875
2186	68.241	47.1	381.8	406.313086
2171	67.69	78.6	381.8	398.560955
2166	67.69	77.5	381.8	417.942978
2174	67.69	71.5	381.8	437.325
2169	67.69	42.9	381.8	455.920901
2163	67.245	44.2	381.8	437.868576
2151	67.07	47.9	381.8	419.81625
2140	66.753	60.6	381.8	401.763924
2132	66.45	65.4	381.8	401.259213
2128	66.45	62.5	381.8	413.40932
2132	66.45	67.4	381.8	425.559428
2140	66.553	72.2	381.8	436.195149
2153	67.042	73.4	381.57567	443.756206
2168	67.69	61.8	381	451.317263
2170	67.69	52.1	380.73098	446.616012
2163	67.651	44.5	380.052206	418.217221
2138	66.448	1.9	379.251724	389.818429

1.18863	0.08985	2.21226	2874.599
1.18983	0.09018	2.21226	2880.525
1.19065	0.09035	2.21527	2884.367
1.19144	0.09068	2.22319	2893.239
1.19224	0.09097	2.22822	2904.862
1.19315	0.09128	2.2333	2918.298
1.19407	0.09166	2.23829	2930.821
1.19516	0.09189	2.24161	2940.858
1.19611	0.09209	2.24403	2947.171
1.19698	0.0922	2.24691	2952.585
1.19788	0.09245	2.25116	2960.813
1.19874	0.09267	2.25645	2971.989
1.19956	0.09289	2.26113	2984.045
1.20035	0.09317	2.26453	2995.116
1.20106	0.09331	2.26819	3004.622
1.20172	0.09356	2.27253	3012.851
1.20235	0.09368	2.27661	3021.084
1.20304	0.09396	2.27956	3030.562
1.20379	0.09414	2.28167	3040.794
1.20456	0.09434	2.28408	3051.147
1.20532	0.09456	2.28703	3061.383
1.20607	0.09473	2.29028	3071.43
1.20683	0.09504	2.29358	3081.642
1.20759	0.09518	2.29686	3091.638
1.20829	0.09546	2.30036	3100.591
1.20891	0.09566	2.3036	3108.34
1.20944	0.09583	2.30597	3114.978
1.20985	0.09602	2.30768	3120.873
1.21013	0.09614	2.30933	3125.841
1.21033	0.09629	2.31133	3129.9
1.2105	0.0964	2.31305	3133.39
1.21064	0.09663	2.31671	3137.909
1.21081	0.09704	2.3228	3147.017
1.21101	0.0976	2.32839	3158.788
1.21118	0.09796	2.33105	3166.973
1.21132	0.09809	2.3323	3171.502
1.21147	0.09825	2.33491	3174.704
1.21161	0.09836	2.33763	3178.048
1.21179	0.09867	2.3416	3183.569
1.21197	0.099	2.34588	3191.417
1.21212	0.09936	2.34858	3200.466
1.21227	0.09971	2.35177	3211.141
1.21244	0.09998	2.35537	3222.973
1.21267	0.10031	2.35912	3233.139
1.21298	0.10045	2.36193	3240.082
1.21327	0.10063	2.36334	3245.213
1.21355	0.10078	2.36334	3248.165

12:21:26.196	-7	0.00017	0.00014	0.00011	1.384	0.000134
12:21:27.196	-7	0.00012	0.00013	0.00492	1.904	0.000185
12:21:28.196	-7	0.00008	0.00018	0.00246	2.583	0.00025
12:21:29.196	-7	0.00008	0.00031	0.001	1.618	0.000157
12:21:30.196	-7	0.00004	0.00014	0.00169	0.656	0.000064
12:21:31.196	-7	0.00002	0.00027	0.00145	0.406	0.000043
12:21:32.196	-7	0.00002	0.00014	0.00236	0.288	0.000042
12:21:33.196	-7	0.00001	0.00007	0.0015	0.41	0.00004
12:21:34.196	-7	0.00001	0.0001	0.00806	2.625	0.000255
12:21:35.196	-7	0.00002	0.00024	0.01044	7.892	0.000764
12:21:36.196	-7	0.00003	0.00038	0.00603	10.972	0.001059
12:21:37.196	-7	0.00013	0.00023	0.00278	11.72	0.001131
12:21:38.196	-7	0.00023	0.00028	0.00291	9.352	0.000903
12:21:39.196	-7	0.00024	0.00015	0.00154	6.729	0.00065
12:21:40.196	-7	0.00024	0.00019	0.0021	5.838	0.000564
12:21:41.196	-7	0.00025	0.00036	0.00413	6.787	0.000656
12:21:42.196	-7	0.00032	0.00192	0.00573	10.978	0.00106
12:21:43.196	-7	0.00031	0.00164	0.00309	12.103	0.001167
12:21:44.196	-7	0.0003	0.00059	0.00314	11.551	0.001114
12:21:45.196	-7	0.00028	0.00042	0.00248	10.2	0.000985
12:21:46.196	-7	0.00029	0.00022	0.00327	9.329	0.000901
12:21:47.196	-7	0.00036	0.00035	0.00455	11.28	0.001088
12:21:48.196	-7	0.00047	0.00031	0.00552	13.692	0.001321
12:21:49.196	-7	0.00061	0.00033	0.00518	13.575	0.00131
12:21:50.196	-7	0.00084	0.00035	0.00438	11.76	0.001136
12:21:51.196	-7	0.00081	0.00018	0.00275	7.451	0.00072
12:21:52.196	-7	0.00072	0.00024	0.0038	6.356	0.000615
12:21:53.196	-7	0.00088	0.0004	0.00631	10.304	0.000995
12:21:54.196	-7	0.00082	0.00063	0.00655	13.315	0.001285
12:21:55.196	-7	0.00072	0.00035	0.0041	12.79	0.001235
12:21:56.196	-7	0.00059	0.0002	0.00195	9.879	0.000954
12:21:57.196	-7	0.00043	0.00017	0.00137	6.141	0.000593
12:21:58.196	-7	0.00035	0.00009	0.00207	4.429	0.000428
12:21:59.196	-7	0.00029	0.00015	0.00236	3.655	0.000354
12:22:00.196	-6.7	0.00018	0.00011	0.00231	3.009	0.000291
12:22:01.196	-6	0.00015	0.00026	0.00356	4.231	0.00041
12:22:02.196	-6	0.00015	0.00094	0.00713	8.661	0.000837
12:22:03.196	-6	0.00014	0.00092	0.00471	10.182	0.000983
12:22:04.196	-6	0.00012	0.00048	0.00117	7.564	0.000731
12:22:05.196	-6	0.00011	0.00021	0.00236	5.554	0.000537
12:22:06.196	-6	0.00011	0.00028	0.00452	6.964	0.000673
12:22:07.196	-6	0.00011	0.00016	0.00318	6.752	0.000652
12:22:08.196	-6	0.00011	0.00023	0	4.322	0.000418
12:22:09.196	-6	0.00011	0.0002	0.002	4.156	0.000402
12:22:10.196	-6	0.00012	0.00027	0.00567	6.551	0.000634
12:22:11.196	-6	0.00009	0.0002	0.00452	6.73	0.000651
12:22:12.196	-6	0.00008	0.00017	0.003	5.54	0.000536

67.8	3.10E+00	3.400	0.300	2.834	0.250	8.700
67.7	1.70E+00	1.800	0.300	1.488	0.249	6.700
66.2	9.00E-01	0.800	0.300	0.695	0.249	7.200
66.1	8.00E-01	0.600	0.300	0.515	0.253	9.700
64.6	4.00E-01	0.200	0.200	0.181	0.181	4.400
64.5	2.00E-01	-0.100	0.200	0.000	0.170	9.000
62.9	2.00E-01	-0.300	0.200	0.000	0.170	4.700
62.6	2.00E-01	-0.600	0.200	0.000	0.170	3.700
55.8	2.00E-01	-0.600	0.200	0.000	0.165	4.500
55.8	2.00E-01	-0.600	0.200	0.000	0.158	7.800
56.2	3.00E-01	-0.200	0.400	0.000	0.300	11.500
56.2	1.10E+00	0.900	0.500	0.718	0.388	6.400
57.5	2.20E+00	2.300	0.500	1.820	0.391	9.000
57.5	2.90E+00	3.200	0.500	2.496	0.395	6.200
58.5	3.30E+00	3.700	0.500	2.906	0.395	8.400
58.5	3.30E+00	3.700	0.500	2.899	0.392	15.600
58.3	3.20E+00	3.600	0.500	2.775	0.384	62.600
58.3	2.80E+00	3.100	0.500	2.401	0.384	48.500
58.7	2.60E+00	3.000	0.400	2.320	0.309	17.100
58.8	2.60E+00	3.000	0.400	2.335	0.311	13.000
60.2	2.90E+00	3.400	0.400	2.616	0.311	7.500
60.2	3.30E+00	3.900	0.400	2.990	0.309	10.600
61.1	3.60E+00	4.300	0.400	3.297	0.308	7.800
61.1	4.40E+00	5.300	0.400	4.130	0.310	8.000
61.1	6.40E+00	7.800	0.400	6.121	0.313	9.000
61.1	8.60E+00	10.500	0.400	8.279	0.317	6.300
62.1	9.00E+00	11.000	0.400	8.698	0.316	10.200
62.1	8.20E+00	10.100	0.400	7.855	0.311	12.400
61.7	6.50E+00	7.900	0.500	6.111	0.376	16.300
61.7	5.40E+00	6.400	0.500	4.974	0.389	8.800
62.9	5.10E+00	6.000	0.500	4.731	0.393	5.700
62.9	5.40E+00	6.300	0.500	4.979	0.397	7.100
63.9	5.60E+00	6.500	0.500	5.185	0.400	4.700
63.9	5.30E+00	6.100	0.500	4.929	0.401	9.000
63.8	3.70E+00	4.100	0.500	3.328	0.403	7.600
63.8	2.30E+00	2.400	0.500	1.897	0.402	13.300
62.9	1.60E+00	1.500	0.500	1.158	0.393	31.700
62.9	1.30E+00	1.200	0.500	0.947	0.390	28.500
64.1	1.30E+00	1.200	0.500	0.948	0.395	17.500
64.1	1.40E+00	1.200	0.500	0.963	0.401	8.700
64.3	1.30E+00	1.200	0.500	0.948	0.395	11.200
64.3	1.40E+00	1.300	0.500	1.023	0.393	6.800
64.9	1.60E+00	1.500	0.500	1.200	0.403	11.100
64.9	1.50E+00	1.400	0.500	1.133	0.405	9.300
64.9	1.40E+00	1.200	0.500	0.965	0.398	10.100
64.9	1.20E+00	1.000	0.500	0.798	0.393	8.600
66.1	1.20E+00	1.000	0.500	0.793	0.396	8.300

2116	65.885	22.2	377.856091	361.787496
2098	65.379	14.7	377.219727	345.255108
2070	64.41	3.6	375.882753	328.72272
2022	63.007	0	375.6	312.190332
1915	59.676	0	375.6	293.987134
1835	57.224	0	374.438247	275.654304
1794	56.173	0	373.012607	257.321474
1778	55.64	36.2	370.981651	265.549869
1777	55.413	78.6	369.682222	290.266026
1795	55.978	80.2	369.071638	314.982183
1818	56.542	78.3	367.874862	340.587604
1841	57.036	79.8	365.136293	370.189824
1853	57.635	71.9	363.153534	399.792044
1859	57.75	63.2	358.480707	429.394265
1853	57.75	78.1	356.578322	433.954642
1854	57.75	92.9	354.79122	436.888233
1861	57.75	83.5	351.86182	439.821825
1871	58.131	78.8	349.489495	448.912138
1883	58.683	78.3	346.697771	459.201432
1893	58.99	78.6	344.245197	469.490725
1901	59.183	84.6	341.818545	479.687437
1912	59.73	90.5	339.788717	489.785447
1930	60.294	79	338.9	499.883457
1949	60.857	75.6	338.9	507.277871
1968	61.352	69.3	338.9	494.268223
1970	61.48	61.8	338.902642	481.258575
1968	61.48	84.3	339.563019	468.248926
1973	61.48	81.4	339.6	479.008314
1986	61.899	77.7	340.208008	492.291848
2008	62.533	70.5	342.205065	505.575382
2027	63.083	66	344.351918	492.686029
2034	63.34	55.4	347.171756	474.244853
2029	63.34	52.7	349.270455	455.803676
2023	63.177	54.5	350.328125	438.264579
2013	62.72	47.6	351.130979	421.94594
2003	62.72	86.1	351.5	405.627301
2017	63.106	84.4	352.208	411.931938
2037	63.663	70.5	354.496557	422.577871
2046	63.96	53	356.269644	433.223804
2048	63.96	57.2	358.025976	440.674349
2058	64.108	78.6	359.927726	444.864954
2064	64.58	55.2	361.592547	449.055559
2059	64.385	45.7	362.715135	444.721092
2061	64.082	68.6	363.470682	433.006713
2081	64.846	73.7	364.692103	421.292333
2099	65.423	60.6	366.208972	416.044638
2115	66.004	58.4	367.643836	417.341696

1.21372	0.10092	2.36345	3249.549
1.21384	0.10105	2.36837	3251.453
1.21392	0.10123	2.37083	3254.036
1.214	0.10154	2.37183	3255.654
1.21404	0.10168	2.37352	3256.31
1.21406	0.10195	2.37497	3256.716
1.21408	0.10209	2.37733	3257.004
1.21409	0.10216	2.37883	3257.414
1.2141	0.10226	2.38689	3260.039
1.21412	0.1025	2.39733	3267.931
1.21415	0.10288	2.40336	3278.903
1.21428	0.10311	2.40614	3290.623
1.21451	0.10339	2.40905	3299.975
1.21475	0.10354	2.41059	3306.704
1.21499	0.10373	2.41269	3312.542
1.21524	0.10409	2.41682	3319.329
1.21556	0.10601	2.42255	3330.307
1.21587	0.10765	2.42564	3342.41
1.21617	0.10824	2.42878	3353.961
1.21645	0.10866	2.43126	3364.161
1.21674	0.10888	2.43453	3373.49
1.2171	0.10923	2.43908	3384.77
1.21757	0.10954	2.4446	3398.462
1.21818	0.10987	2.44978	3412.037
1.21902	0.11022	2.45416	3423.797
1.21983	0.1104	2.45691	3431.248
1.22055	0.11064	2.46071	3437.604
1.22143	0.11104	2.46702	3447.908
1.22225	0.11167	2.47357	3461.223
1.22297	0.11202	2.47767	3474.013
1.22356	0.11222	2.47962	3483.892
1.22399	0.11239	2.48099	3490.033
1.22434	0.11248	2.48306	3494.462
1.22463	0.11263	2.48542	3498.117
1.22481	0.11274	2.48773	3501.126
1.22496	0.113	2.49129	3505.357
1.22511	0.11394	2.49842	3514.018
1.22525	0.11486	2.50313	3524.2
1.22537	0.11534	2.5043	3531.764
1.22548	0.11555	2.50666	3537.318
1.22559	0.11583	2.51118	3544.282
1.2257	0.11599	2.51436	3551.034
1.22581	0.11622	2.51436	3555.356
1.22592	0.11642	2.51636	3559.512
1.22604	0.11669	2.52203	3566.063
1.22613	0.11689	2.52655	3572.793
1.22621	0.11706	2.52955	3578.333

12:22:13.196	-6	0.00006	0.00022	0.00323	5.212	0.000504
12:22:14.196	-6	0.00005	0.00014	0.00279	4.481	0.000434
12:22:15.196	-6	0.00003	0.0002	0.00069	3.092	0.000299
12:22:16.196	-6	0.00002	0.00016	0.00057	1.994	0.000193
12:22:17.196	-6	0.00003	0.0002	0.00133	1.345	0.00013
12:22:18.196	-6	0.00004	0.0003	0.00316	1.119	0.000109
12:22:19.196	-6	0.00005	0.00028	0.00386	0.68	0.000066
12:22:20.196	-6	0.00005	0.00036	0.00465	0.458	0.000055
12:22:21.196	-6	0.00005	0.00022	0.00459	0.344	0.000054
12:22:22.196	-6	0.00005	0.0003	0.00433	0.268	0.000051
12:22:23.196	-6	0.00005	0.00018	0.00337	0.223	0.000048
12:22:24.196	-6	0.00005	0.00023	0.00265	0.219	0.000047
12:22:25.196	-6	0.00003	0.00024	0.00196	0.155	0.000035
12:22:26.196	-6	0.00002	0.00012	0.00136	0.708	0.000069
12:22:27.196	-6	0.00005	0.00043	0.01538	5.995	0.000582
12:22:28.196	-6	0.0012	0.00078	0.02156	19.239	0.001861
12:22:29.196	-6	0.01363	0.00091	0.01667	23.6	0.002281
12:22:30.196	-6	0.02497	0.00044	0.0141	20.569	0.001988
12:22:31.196	-6	0.02217	0.00043	0.01137	15.783	0.001526
12:22:32.196	-6	0.00952	0.00027	0.00369	8.35	0.000807
12:22:33.196	-6	0.00408	0.00022	0.00428	5.606	0.000543
12:22:34.196	-6	0.00171	0.00027	0.00192	3.947	0.000382
12:22:35.196	-6	0.00108	0.00022	0.0007	2.172	0.00021
12:22:36.196	-6	0.00089	0.00039	0.00117	1.185	0.000115
12:22:37.196	-6	0.00052	0.00028	0.00289	0.707	0.000069
12:22:38.196	-6	0.00034	0.0004	0.00564	0.452	0.000057
12:22:39.196	-6	0.00021	0.00034	0.00427	0.327	0.000057
12:22:40.196	-6	0.00014	0.00031	0.00431	0.263	0.000054
12:22:41.196	-6	0.00006	0.00021	0.00253	0.167	0.000033
12:22:42.196	-6	0.00006	0.00019	0.00233	0.219	0.000033
12:22:43.196	-6	0.00007	0.0004	0.00337	0.239	0.000048
12:22:44.196	-6	0.00005	0.00021	0.00299	0.178	0.000042
12:22:45.196	-6	0.00004	0.00019	0.00287	0.87	0.000085
12:22:46.196	-6	0.00008	0.00053	0.39302	7.513	0.000788
12:22:47.196	-6	0.00218	0.00191	0.74704	23.761	0.002412
12:22:48.196	-6	0.01558	0.0012	0.46597	27.868	0.002762
12:22:49.196	-6	0.01958	0.00028	0.09015	17.416	0.001696
12:22:50.196	-6	0.01143	0.00025	0.02132	8.005	0.000777
12:22:51.196	-6	0.004	0.00011	0.00694	3.446	0.000334
12:22:52.196	-6	0.00181	0.00018	0.00422	2.268	0.00022
12:22:53.196	-6	0.00089	0.00016	0.00421	1.973	0.000192
12:22:54.196	-6	0.00048	0.00017	0.00493	2.002	0.000195
12:22:55.196	-6	0.00029	0.00026	0.00576	3.115	0.000302
12:22:56.196	-6	0.0002	0.00027	0.00655	4.597	0.000445
12:22:57.196	-6	0.00016	0.00039	0.00365	4.862	0.00047
12:22:58.196	-6	0.00015	0.0003	0.00394	4.725	0.000457
12:22:59.196	-6	0.0001	0.00026	0.00201	3.234	0.000313

66.1	1.00E+00	0.700	0.500	0.573	0.396	11.200
66.9	8.00E-01	0.500	0.500	0.418	0.399	7.600
66.9	5.00E-01	0.100	0.500	0.092	0.406	11.700
67.2	4.00E-01	0.000	0.500	0.000	0.415	9.200
67.2	4.00E-01	-0.200	0.500	0.000	0.420	10.700
66.7	4.00E-01	-0.200	0.500	0.000	0.424	9.600
66.7	4.00E-01	-0.300	0.500	0.000	0.426	7.700
66.1	4.00E-01	-0.500	0.500	0.000	0.426	9.300
66.1	4.00E-01	-0.600	0.500	0.000	0.426	5.800
64.9	4.00E-01	-0.600	0.500	0.000	0.426	8.500
64.8	4.00E-01	-0.600	0.500	0.000	0.426	5.500
61.5	4.00E-01	-0.600	0.500	0.000	0.426	7.000
61.5	4.00E-01	-0.600	0.500	0.000	0.426	9.800
59.5	4.00E-01	-0.700	0.500	0.000	0.423	6.800
59.5	4.00E-01	-0.700	0.500	0.000	0.408	12.000
59.7	5.40E+00	6.300	0.600	4.949	0.461	11.700
59.8	5.27E+01	66.700	0.600	52.246	0.470	11.600
63.5	1.06E+02	134.300	0.600	105.601	0.472	6.200
63.6	1.20E+02	151.800	0.600	119.586	0.473	7.800
68.8	8.85E+01	110.600	0.800	87.884	0.636	8.300
68.9	5.11E+01	63.000	0.900	50.396	0.710	9.000
71.3	2.40E+01	28.700	0.900	23.289	0.731	12.500
71.3	1.39E+01	15.800	0.800	13.173	0.679	9.500
71.2	7.60E+00	8.300	0.700	7.024	0.607	11.200
71.2	4.00E+00	4.100	0.600	3.523	0.511	7.200
69.9	2.50E+00	2.400	0.600	2.031	0.511	10.100
69.9	1.60E+00	1.200	0.600	1.063	0.511	8.600
68.5	1.10E+00	0.700	0.600	0.628	0.511	8.100
68.5	8.00E-01	0.300	0.600	0.277	0.511	9.300
67.1	8.00E-01	0.300	0.600	0.255	0.511	8.200
67.1	6.00E-01	0.100	0.600	0.093	0.511	12.000
65.8	5.00E-01	0.000	0.600	0.010	0.511	7.300
65.7	5.00E-01	0.000	0.600	0.000	0.508	9.000
64.3	5.00E-01	-0.100	0.600	0.000	0.490	10.600
64.3	8.20E+00	9.900	0.600	7.706	0.469	23.700
65.2	5.58E+01	71.500	0.600	55.310	0.464	14.300
65.3	9.48E+01	119.600	0.800	94.207	0.611	4.500
71.1	9.28E+01	114.000	1.600	91.571	1.247	6.600
71.1	5.65E+01	67.600	1.600	55.241	1.307	5.000
72.4	3.05E+01	35.400	1.600	29.187	1.320	10.100
72.3	1.57E+01	17.400	1.500	14.436	1.251	9.100
70.5	8.60E+00	8.900	1.500	7.342	1.240	9.900
70.5	5.10E+00	4.800	1.500	3.911	1.218	14.800
68.6	3.40E+00	2.800	1.400	2.235	1.123	14.500
68.6	2.60E+00	1.900	1.400	1.522	1.108	21.300
67.3	2.20E+00	1.400	1.400	1.128	1.118	14.800
67.3	1.70E+00	0.800	1.400	0.609	1.133	15.700

2126	66.45	60	368.8003	418.638754
2133	66.45	42.7	369.3	411.238365
2132	66.45	30.3	369.3	386.650165
2125	66.45	13.9	369.3	362.061965
2114	65.899	0.6	369.3	337.473765
2103	65.354	0	369.3	317.560453
2091	65.2	0	369.983316	297.661209
2076	64.748	0	370.704144	277.761965
2040	63.544	0	370.8	263.602372
1979	61.602	0	370.268745	250.694177
1924	59.955	0	369.568145	237.785983
1900	59.39	0	368.398182	230.171602
1887	58.878	12.5	366.081484	226.47004
1889	58.482	56.4	363.631622	222.768479
1915	59.618	92.8	362.543364	228.738125
1976	61.712	90.4	358.751227	307.696458
2061	64.413	87.4	350.841667	386.654792
2145	66.729	85.2	342.753025	447.855292
2216	68.998	79	336.34608	451.886062
2258	70.136	56.4	331.800091	455.916831
2273	70.712	54.2	327.980381	459.9476
2268	70.79	15	327.253769	421.613401
2251	70.396	1.7	326.079516	382.721203
2230	69.488	0	324.262	343.829005
2207	68.657	0	322.5965	312.365603
2184	68.004	0	321.561105	285.283891
2160	67.122	0	321.313267	259.105882
2136	66.462	0.3	320.533466	247.341176
2121	65.897	4.9	319.971662	235.576471
2097	65.325	0.6	319.24505	223.811765
2076	64.783	0	317.834395	218.177102
2055	64.153	0	316.987591	213.246336
2032	63.463	32.8	315.433333	208.315569
2056	64.201	82.9	315.4	274.960445
2124	66.224	98.9	311.783051	346.499382
2214	68.978	99.6	308.291429	418.038319
2278	71.107	71.4	306.453881	429.773006
2298	71.781	42	305.52	415.877301
2282	71.182	32	305.2	401.981595
2255	70.375	30.3	305.2	385.386076
2223	69.142	28.9	304.821922	365.35443
2195	68.162	40.1	304.5	345.322785
2171	67.61	70.2	304.5	332.885528
2145	67.118	65.6	304.5	339.9767
2123	66.052	50.8	304.5	347.067873
2091	64.919	31.4	304.5	354.159045
2056	63.827	27.1	304.5	356.905384

1.22627	0.11728	2.53278	3583.545
1.22632	0.11742	2.53557	3588.026
1.22635	0.11762	2.53626	3591.118
1.22637	0.11778	2.53683	3593.112
1.2264	0.11798	2.53816	3594.457
1.22644	0.11828	2.54132	3595.576
1.22649	0.11856	2.54518	3596.256
1.22654	0.11892	2.54983	3596.714
1.22659	0.11914	2.55442	3597.058
1.22664	0.11944	2.55875	3597.326
1.22669	0.11962	2.56212	3597.549
1.22674	0.11985	2.56477	3597.768
1.22677	0.12009	2.56673	3597.923
1.22679	0.12021	2.56809	3598.631
1.22684	0.12064	2.58347	3604.626
1.22804	0.12142	2.60503	3623.865
1.24167	0.12233	2.6217	3647.465
1.26664	0.12277	2.6358	3668.034
1.28881	0.1232	2.64717	3683.817
1.29833	0.12347	2.65086	3692.167
1.30241	0.12369	2.65514	3697.773
1.30412	0.12396	2.65706	3701.72
1.3052	0.12418	2.65776	3703.892
1.30609	0.12457	2.65893	3705.077
1.30661	0.12485	2.66182	3705.784
1.30695	0.12525	2.66746	3706.236
1.30716	0.12559	2.67173	3706.563
1.3073	0.1259	2.67604	3706.826
1.30736	0.12611	2.67857	3706.993
1.30742	0.1263	2.6809	3707.212
1.30749	0.1267	2.68427	3707.451
1.30754	0.12691	2.68726	3707.629
1.30758	0.1271	2.69013	3708.499
1.30766	0.12763	3.08315	3716.012
1.30984	0.12954	3.83019	3739.773
1.32542	0.13074	4.29616	3767.641
1.345	0.13102	4.38631	3785.057
1.35643	0.13127	4.40763	3793.062
1.36043	0.13138	4.41457	3796.508
1.36224	0.13156	4.41879	3798.776
1.36313	0.13172	4.423	3800.749
1.36361	0.13189	4.42793	3802.751
1.3639	0.13215	4.43369	3805.866
1.3641	0.13242	4.44024	3810.463
1.36426	0.13281	4.44389	3815.325
1.36441	0.13311	4.44783	3820.05
1.36451	0.13337	4.44984	3823.284

12:23:00.196	-6	0.0001	0.00036	0.00343	3.663	0.000355
12:23:01.196	-6	0.00014	0.00081	0.01431	10.749	0.00104
12:23:02.196	-6	0.00016	0.0008	0.00833	14.964	0.001445
12:23:03.196	-6	0.00103	0.00073	0.00877	23.164	0.002236
12:23:04.196	-6	0.00389	0.00055	0.00733	15.939	0.00154
12:23:05.196	-6	0.00418	0.00028	0.00758	11.642	0.001126
12:23:06.196	-6	0.00343	0.00042	0.008	11.375	0.0011
12:23:07.196	-6	0.00254	0.00041	0.00815	13.58	0.001312
12:23:08.196	-6	0.00131	0.00033	0.00549	10.901	0.001053
12:23:09.196	-6	0.00095	0.00053	0.00655	12.555	0.001213
12:23:10.196	-6	0.00077	0.00049	0.00627	14.655	0.001415
12:23:11.196	-6	0.00057	0.00042	0.00604	14.301	0.001381
12:23:12.196	-6	0.00056	0.00024	0.00668	14.964	0.001444
12:23:13.196	-6	0.00057	0.0004	0.00677	14.905	0.001439
12:23:14.196	-6	0.00059	0.0003	0.00718	16.177	0.001561
12:23:15.196	-6	0.00064	0.00032	0.0069	17.429	0.001682
12:23:16.196	-6	0.00072	0.00039	0.00746	17.487	0.001688
12:23:17.196	-6	0.00085	0.00022	0.00782	17.497	0.001689
12:23:18.196	-6	0.00101	0.00048	0.00786	17.531	0.001692
12:23:19.196	-6	0.00123	0.00026	0.00784	17.475	0.001687
12:23:20.196	-6	0.0014	0.00041	0.00778	17.3	0.00167
12:23:21.196	-6	0.00157	0.0003	0.00785	17.444	0.001684
12:23:22.196	-6	0.00166	0.0004	0.00795	17.666	0.001705
12:23:23.196	-6	0.00174	0.00041	0.00808	17.998	0.001737
12:23:24.196	-6	0.0019	0.0003	0.00829	19.472	0.001879
12:23:25.196	-6	0.00191	0.00048	0.00783	18.654	0.001801
12:23:26.196	-6	0.00182	0.00024	0.00926	18.94	0.001828
12:23:27.196	-6	0.00202	0.00054	0.00749	20.897	0.002016
12:23:28.196	-6	0.00184	0.00037	0.00783	17.642	0.001703
12:23:29.196	-6	0.00194	0.00042	0.00847	17.733	0.001712
12:23:30.196	-6	0.00193	0.0005	0.0081	18.171	0.001754
12:23:31.196	-6	0.00171	0.00033	0.00807	18.114	0.001748
12:23:32.196	-6	0.00156	0.0006	0.00808	18.05	0.001742
12:23:33.196	-6	0.00147	0.00044	0.00808	17.978	0.001735
12:23:34.196	-6	0.00142	0.00075	0.00808	17.951	0.001733
12:23:35.196	-6	0.00139	0.00043	0.00811	17.589	0.001698
12:23:36.196	-6	0.00136	0.0004	0.00493	15.073	0.001456
12:23:37.196	-6	0.00098	0.00031	0.00014	6.877	0.000665
12:23:38.196	-6	0.00063	0.00018	0.00643	5.86	0.000568
12:23:39.196	-6	0.00058	0.00037	0.00835	9.51	0.00092
12:23:40.196	-6	0.00056	0.00026	0.00887	14.53	0.001404
12:23:41.196	-6	0.00055	0.00055	0.0079	16.821	0.001624
12:23:42.196	-6	0.00051	0.00035	0.00715	15.466	0.001494
12:23:43.196	-6	0.0005	0.00039	0.00798	15.214	0.001469
12:23:44.196	-6	0.0005	0.00034	0.00719	15.063	0.001455
12:23:45.196	-6	0.00051	0.00031	0.00697	14.219	0.001373
12:23:46.196	-6	0.00047	0.00033	0.00474	11.859	0.001146

65.2	1.30E+00	0.300	1.300	0.266	1.074	15.300
65.1	1.10E+00	0.200	1.200	0.167	0.955	21.100
63.3	1.10E+00	0.200	1.200	0.155	0.931	17.700
63.3	4.30E+00	4.400	1.200	3.417	0.932	10.200
63.5	2.18E+01	26.600	1.200	20.828	0.941	10.300
63.5	2.93E+01	36.000	1.200	28.400	0.948	6.600
65	2.58E+01	31.600	1.200	24.873	0.944	10.500
65	1.69E+01	20.400	1.200	16.002	0.940	9.100
64.8	1.07E+01	12.400	1.200	9.759	0.941	9.100
64.8	7.10E+00	8.000	1.200	6.208	0.936	13.200
64.3	5.20E+00	5.600	1.200	4.318	0.930	11.000
64.3	3.90E+00	3.900	1.200	3.006	0.932	9.600
64.3	3.70E+00	3.600	1.200	2.792	0.931	5.200
64.3	3.70E+00	3.600	1.200	2.796	0.932	8.700
64.6	3.70E+00	3.500	1.200	2.722	0.930	6.200
64.6	3.70E+00	3.600	1.200	2.780	0.930	6.000
65.1	4.10E+00	4.100	1.200	3.160	0.931	7.400
65.1	4.80E+00	5.000	1.200	3.915	0.930	4.100
66.1	5.70E+00	6.100	1.200	4.768	0.931	9.000
66.1	7.00E+00	7.800	1.200	6.042	0.931	4.800
66.9	8.00E+00	9.100	1.200	7.069	0.931	7.800
66.9	8.90E+00	10.200	1.200	7.946	0.931	5.700
67.4	9.30E+00	10.800	1.200	8.355	0.931	7.400
67.4	9.60E+00	11.200	1.200	8.671	0.930	7.500
68.2	9.80E+00	11.500	1.200	8.892	0.929	5.100
68.2	9.90E+00	11.500	1.200	8.938	0.933	8.200
69.4	9.80E+00	11.500	1.100	8.892	0.860	4.200
69.4	9.80E+00	11.600	1.100	8.970	0.851	8.700
70	1.03E+01	12.000	1.200	9.336	0.931	6.800
70	1.08E+01	12.900	1.100	9.979	0.862	7.800
70.7	1.06E+01	12.600	1.100	9.726	0.852	9.100
70.7	9.40E+00	11.100	1.100	8.577	0.852	6.100
71.3	8.60E+00	9.900	1.100	7.711	0.853	10.900
71.3	8.10E+00	9.300	1.100	7.240	0.853	8.000
71.8	7.80E+00	9.000	1.100	6.988	0.853	13.700
71.8	7.60E+00	8.700	1.100	6.772	0.855	7.800
72.3	7.60E+00	8.500	1.100	6.701	0.866	7.400
72.3	7.70E+00	8.400	1.100	6.827	0.892	8.200
72.2	6.40E+00	7.000	0.900	5.656	0.736	6.000
72.2	4.80E+00	5.100	0.900	4.041	0.713	10.000
70.4	3.60E+00	3.700	0.900	2.877	0.703	5.400
70.4	3.10E+00	3.100	0.900	2.429	0.700	10.400
70.2	3.00E+00	3.000	0.900	2.342	0.703	6.900
70.2	3.10E+00	3.100	0.900	2.405	0.701	8.100
70.9	3.10E+00	3.100	0.900	2.415	0.701	7.000
70.9	3.30E+00	3.300	0.900	2.579	0.703	6.700
71.6	3.40E+00	3.400	0.900	2.674	0.708	7.900

2024	63.027	61.7	304.5	358.730093
2011	62.72	82.4	304.896624	360.554801
2018	62.898	80.4	306.582834	378.871503
2038	63.456	83	308.607582	414.911965
2064	64.58	69.6	310.385676	450.952428
2060	64.58	59	314.777636	486.139064
2064	64.139	88.6	316.050364	483.369245
2058	63.96	73.6	317.572421	480.599427
2054	63.96	70.4	319.827599	477.829608
2051	63.96	75.2	321.17707	484.047629
2051	63.96	78.1	322.838193	491.47967
2053	63.96	80.3	324.726	498.911712
2056	63.96	79.9	326.454747	505.706854
2059	64.048	75.9	328.598961	511.633224
2066	64.616	82.4	331.323818	517.559593
2080	65.18	80	333.410737	523.416028
2095	65.682	79.4	336.752937	528.489536
2109	65.83	80.3	339.054524	533.563044
2121	66.162	80.1	342.074595	538.636552
2132	66.45	79.8	345.058861	543.472182
2143	66.615	79.9	348.266824	548.157634
2153	67.07	79.6	351.286874	552.843087
2165	67.308	79.3	354.586056	556.085446
2180	67.85	81.8	357.579714	558.198542
2196	68.414	84.7	360.417197	560.311637
2210	68.93	78.2	364.122222	562.58499
2218	68.93	97.6	367.940082	565.495389
2230	69.578	87.3	369.866053	568.405788
2242	70.17	78.6	373.049545	570.9
2249	70.17	80.5	375.954084	570.9
2262	70.602	78.7	379.681285	570.9
2271	70.79	77.8	381.437273	570.9
2279	71.097	77.7	384.402364	571.381488
2286	71.42	77.3	387.064079	572.075276
2292	71.42	77	389.2995	572.769063
2301	71.637	77.1	392.067407	554.703347
2300	71.872	54.2	394.205426	519.528102
2269	71.032	27.7	396.311632	484.352858
2245	70.02	55	398.385871	466.345912
2233	69.55	70.8	399.257803	479.396226
2228	69.55	74.7	400.032211	492.446541
2236	69.578	71.2	400.76	505.256146
2244	70.07	72.7	401.476494	516.938797
2256	70.17	74.5	402.113944	528.621447
2269	70.572	73.5	402.2	540.304098
2277	70.79	72.9	402.2	531.451406
2278	70.79	65.4	401.76874	515.194815

1.36461	0.13373	4.45327	3826.947
1.36475	0.13454	4.46758	3837.696
1.36491	0.13534	4.47591	3852.66
1.36594	0.13607	4.48468	3875.824
1.36983	0.13662	4.49201	3891.763
1.37401	0.1369	4.49959	3903.405
1.37744	0.13732	4.50759	3914.78
1.37998	0.13773	4.51574	3928.36
1.38129	0.13806	4.52123	3939.261
1.38224	0.13859	4.52778	3951.816
1.38301	0.13908	4.53405	3966.471
1.38358	0.1395	4.54009	3980.772
1.38414	0.13974	4.54677	3995.736
1.38471	0.14014	4.55354	4010.641
1.3853	0.14044	4.56072	4026.818
1.38594	0.14076	4.56762	4044.247
1.38666	0.14115	4.57508	4061.734
1.38751	0.14137	4.5829	4079.231
1.38852	0.14185	4.59076	4096.762
1.38975	0.14211	4.5986	4114.237
1.39115	0.14252	4.60638	4131.537
1.39272	0.14282	4.61423	4148.981
1.39438	0.14322	4.62218	4166.647
1.39612	0.14363	4.63026	4184.645
1.39802	0.14393	4.63855	4204.117
1.39993	0.14441	4.64638	4222.771
1.40175	0.14465	4.65564	4241.711
1.40377	0.14519	4.66313	4262.608
1.40561	0.14556	4.67096	4280.25
1.40755	0.14598	4.67943	4297.983
1.40948	0.14648	4.68753	4316.154
1.41119	0.14681	4.6956	4334.268
1.41275	0.14741	4.70368	4352.318
1.41422	0.14785	4.71176	4370.296
1.41564	0.1486	4.71984	4388.247
1.41703	0.14903	4.72795	4405.836
1.41839	0.14943	4.73288	4420.909
1.41937	0.14974	4.73302	4427.786
1.42	0.14992	4.73945	4433.646
1.42058	0.15029	4.7478	4443.156
1.42114	0.15055	4.75667	4457.686
1.42169	0.1511	4.76457	4474.507
1.4222	0.15145	4.77172	4489.973
1.4227	0.15184	4.7797	4505.187
1.4232	0.15218	4.78689	4520.25
1.42371	0.15249	4.79386	4534.469
1.42418	0.15282	4.7986	4546.328

12:23:47.196	-6	0.00032	0.00014	0.00352	7.202	0.000696
12:23:48.196	-6	0.00023	0.00019	0.00382	5.197	0.000503
12:23:49.196	-6	0.00017	0.00014	0.00471	6.172	0.000597
12:23:50.196	-6	0.00016	0.00022	0.00508	8.017	0.000775
12:23:51.196	-6	0.00014	0.00023	0.00456	9.942	0.00096
12:23:52.196	-6	0.00011	0.00021	0.00458	10.607	0.001024
12:23:53.196	-6	0.0001	0.00018	0.00488	10.959	0.001059
12:23:54.196	-6	0.0001	0.00013	0.00539	11.399	0.001101
12:23:55.196	-6	0.00009	0.00029	0.00586	11.496	0.001111
12:23:56.196	-6	0.0001	0.00017	0.00507	10.925	0.001056
12:23:57.196	-6	0.00013	0.00021	0.00553	10.796	0.001043
12:23:58.196	-6	0.00014	0.00018	0.00461	10.747	0.001038
12:23:59.196	-6	0.00015	0.00014	0.00397	9.46	0.000914
12:24:00.196	-6	0.00015	0.00024	0.00429	8.137	0.000787
12:24:01.196	-6	0.00014	0.00013	0.00475	8.212	0.000794
12:24:02.196	-6	0.00013	0.0002	0.00355	7.6	0.000734
12:24:03.196	-6	0.00012	0.00015	0.00358	7.985	0.000771
12:24:04.196	-6	0.00011	0.00023	0.00339	8.531	0.000824
12:24:05.196	-6	0.00013	0.00022	0.00392	9.757	0.000942
12:24:06.196	-6	0.00013	0.00028	0.00418	10.955	0.001058
12:24:07.196	-6	0.00012	0.00035	0.00338	10.403	0.001005
12:24:08.196	-6	0.00012	0.0002	0.00387	9.849	0.000951
12:24:09.196	-6.3	0.00012	0.00021	0.00408	8.865	0.000857
12:24:10.196	-7	0.00011	0.00011	0.00377	8.012	0.000774
12:24:11.196	-7	0.00013	0.00016	0.00314	7.313	0.000707
12:24:12.196	-6.7	0.00015	0.00016	0.00276	7.671	0.000741
12:24:13.196	-6.3	0.0002	0.00026	0.00247	7.799	0.000754
12:24:14.196	-7	0.00022	0.0004	0	4.927	0.000477
12:24:15.196	-7	0.00014	0.00019	0.00439	3.299	0.00032
12:24:16.196	-7	0.00028	0.00057	0.0139	10.783	0.001044
12:24:17.196	-7	0.00081	0.0004	0.01112	17.33	0.001674
12:24:18.196	-7	0.0012	0.00042	0.00344	12.266	0.001185
12:24:19.196	-7	0.00124	0.00026	0.00473	10.13	0.000979
12:24:20.196	-7	0.00126	0.00029	0.00457	10.758	0.001039
12:24:21.196	-7	0.00134	0.0005	0.00433	14.233	0.001374
12:24:22.196	-7	0.00119	0.00039	0.00405	16.586	0.0016
12:24:23.196	-7	0.00108	0.00054	0.0046	15.941	0.001539
12:24:24.196	-7	0.00107	0.00032	0.00559	14.808	0.00143
12:24:25.196	-7	0.00125	0.00041	0.0058	14.306	0.001381
12:24:26.196	-7	0.00139	0.00034	0.00514	14.49	0.001399
12:24:27.196	-7	0.00146	0.00036	0.00529	14.899	0.001438
12:24:28.196	-7	0.00148	0.00038	0.00537	14.687	0.001418
12:24:29.196	-7	0.00126	0.00023	0.00307	11.221	0.001084
12:24:30.196	-7	0.00078	0.00025	0.00231	4.92	0.000476
12:24:31.196	-7	0.00081	0.00016	0.0054	6.368	0.000616
12:24:32.196	-7	0.0009	0.00029	0.00625	8.746	0.000845
12:24:33.196	-7	0.00092	0.00024	0.00445	10.482	0.001012

71.6	3.30E+00	3.300	0.900	2.632	0.715	5.000
71.7	3.10E+00	3.000	0.900	2.413	0.718	8.700
71.7	2.30E+00	2.000	0.900	1.547	0.711	6.200
70.7	1.70E+00	1.300	0.900	1.037	0.705	8.100
70.7	1.30E+00	0.700	0.900	0.576	0.703	7.200
70.4	9.00E-01	0.300	0.900	0.244	0.703	6.000
70.4	8.00E-01	0.200	0.800	0.157	0.638	4.900
70.5	8.00E-01	0.200	0.800	0.157	0.628	3.200
70.5	7.00E-01	0.200	0.700	0.157	0.549	7.400
70.8	8.00E-01	0.300	0.700	0.225	0.550	4.500
70.8	1.00E+00	0.600	0.700	0.451	0.550	5.600
71	1.20E+00	0.800	0.700	0.618	0.549	4.800
71	1.40E+00	1.100	0.700	0.856	0.549	4.200
71.2	1.50E+00	1.200	0.700	0.946	0.552	8.000
71.2	1.50E+00	1.200	0.700	0.943	0.550	4.400
71	1.40E+00	1.100	0.700	0.874	0.550	7.500
71	1.30E+00	1.000	0.700	0.793	0.549	5.400
70.5	1.20E+00	0.900	0.600	0.714	0.479	7.900
70.5	1.20E+00	0.900	0.600	0.703	0.469	6.900
70.4	1.10E+00	0.800	0.600	0.624	0.468	7.800
70.4	1.00E+00	0.700	0.600	0.560	0.470	9.900
70.5	1.00E+00	0.700	0.600	0.550	0.471	5.600
70.5	1.10E+00	0.800	0.600	0.629	0.472	6.700
70.5	1.20E+00	0.900	0.600	0.698	0.472	3.700
70.5	1.50E+00	1.400	0.600	1.070	0.471	6.200
70.7	1.70E+00	1.600	0.600	1.242	0.470	6.200
70.7	1.80E+00	1.600	0.600	1.278	0.479	7.600
70.4	1.80E+00	1.600	0.600	1.313	0.492	11.000
70.3	1.70E+00	1.600	0.500	1.312	0.410	7.800
66.9	1.70E+00	1.700	0.500	1.348	0.399	12.000
66.9	4.30E+00	4.900	0.600	3.829	0.457	7.100
67.1	8.10E+00	9.800	0.600	7.677	0.472	9.600
67.2	1.03E+01	12.600	0.600	9.867	0.471	7.200
68.8	1.08E+01	13.300	0.600	10.355	0.468	8.200
68.8	9.20E+00	11.300	0.600	8.781	0.465	11.400
69.4	7.10E+00	8.600	0.600	6.670	0.464	7.800
69.4	6.50E+00	7.700	0.600	6.011	0.466	10.600
70.5	6.70E+00	8.000	0.600	6.262	0.467	6.700
70.5	8.20E+00	10.000	0.600	7.767	0.467	8.900
71.7	9.10E+00	11.100	0.600	8.604	0.467	7.400
71.7	9.30E+00	11.300	0.600	8.791	0.467	7.500
72.5	9.30E+00	11.300	0.600	8.813	0.468	8.000
72.5	9.40E+00	11.300	0.600	8.890	0.472	5.600
73.2	9.60E+00	11.300	0.600	9.096	0.483	10.300
73.2	9.50E+00	11.300	0.600	8.974	0.477	6.300
72.3	8.90E+00	10.700	0.600	8.418	0.470	9.700
72.3	8.00E+00	9.700	0.600	7.569	0.468	7.000

2269	70.616	56	401.4	498.938225
2252	70.067	60.2	401.130889	487.986913
2240	69.571	67.4	400.6	488.257671
2237	69.55	66.3	400.6	488.52843
2239	69.55	69.6	400.6	488.799188
2242	69.55	68.5	400.6	488.8
2243	69.954	68.2	399.95382	488.8
2246	70.17	72.1	400.421421	488.8
2255	70.474	64.4	400.6	489.035669
2262	70.586	60.9	400.6	489.355436
2263	70.323	68.9	400.6	489.675203
2268	70.79	72.9	400.6	488.649968
2266	70.783	71.6	400.6	484.441108
2257	70.217	58.1	400.531556	480.232247
2252	70.17	65.7	399.8	476.6
2244	70.17	60	399.8	476.6
2240	69.686	67	399.8	476.6
2235	69.55	68.8	398.962557	476.6
2233	69.55	72.7	398.8	478.245317
2235	69.785	71	398.8	480.360121
2239	70.17	65.2	398.8	482.474924
2240	70.17	63	398.394877	481.771548
2241	70.17	61.2	398	477.864599
2247	70.17	63.3	397.664055	473.95765
2243	70.17	66.1	396.5	468.31734
2241	70.17	64.6	396.45563	449.337686
2237	68.381	27.7	395.783361	430.358032
2467	66.815	8.7	395.006139	411.378378
2394	66.104	45.4	394.9	421.421411
2290	66.11	77.3	394.432726	437.749163
2234	66.968	76	394.2	454.076914
2173	67.867	69.6	394.2	467.580608
2188	68.31	75.1	393.930775	478.000289
2196	68.316	81.8	393.152727	488.419971
2213	68.874	79.7	391.704632	498.775378
2231	69.375	73.8	390.342234	506.400524
2250	69.919	71.9	389.681325	514.025669
2268	70.489	73.6	389.040605	521.650815
2282	71.07	76.1	388.293414	526.346365
2293	71.42	76.5	388	528.980717
2304	71.754	74.7	388	531.615068
2318	72.372	74.4	388	517.102388
2319	72.4	54.5	388	496.565075
2303	71.84	47.9	388	476.027761
2286	71.263	70.2	388	466.727586
2272	70.79	69.9	388	475.003448
2261	70.687	66.4	388	483.27931

1.4245	0.15296	4.80212	4553.53
1.42473	0.15315	4.80594	4558.727
1.4249	0.15329	4.81065	4564.899
1.42506	0.15351	4.81573	4572.916
1.4252	0.15374	4.82029	4582.858
1.42531	0.15395	4.82487	4593.465
1.42541	0.15413	4.82975	4604.424
1.42551	0.15426	4.83514	4615.823
1.4256	0.15455	4.841	4627.319
1.4257	0.15472	4.84607	4638.244
1.42583	0.15493	4.8516	4649.04
1.42597	0.15511	4.85621	4659.787
1.42612	0.15525	4.86018	4669.247
1.42627	0.15549	4.86447	4677.384
1.42641	0.15562	4.86922	4685.596
1.42654	0.15582	4.87277	4693.196
1.42666	0.15597	4.87635	4701.181
1.42677	0.1562	4.87974	4709.712
1.4269	0.15642	4.88366	4719.469
1.42703	0.1567	4.88784	4730.424
1.42715	0.15705	4.89122	4740.827
1.42727	0.15725	4.89509	4750.676
1.42739	0.15746	4.89917	4759.541
1.4275	0.15757	4.90294	4767.553
1.42763	0.15773	4.90608	4774.866
1.42778	0.15789	4.90884	4782.537
1.42798	0.15815	4.91131	4790.336
1.4282	0.15855	4.91131	4795.263
1.42834	0.15874	4.9157	4798.562
1.42862	0.15931	4.9296	4809.345
1.42943	0.15971	4.94072	4826.675
1.43063	0.16013	4.94416	4838.941
1.43187	0.16039	4.94889	4849.071
1.43313	0.16068	4.95346	4859.829
1.43447	0.16118	4.95779	4874.062
1.43566	0.16157	4.96184	4890.648
1.43674	0.16211	4.96644	4906.589
1.43781	0.16243	4.97203	4921.397
1.43906	0.16284	4.97783	4935.703
1.44045	0.16318	4.98297	4950.193
1.44191	0.16354	4.98826	4965.092
1.44339	0.16392	4.99363	4979.779
1.44465	0.16415	4.9967	4991
1.44543	0.1644	4.99901	4995.92
1.44624	0.16456	5.00441	5002.288
1.44714	0.16485	5.01066	5011.034
1.44806	0.16509	5.01511	5021.516

12:24:34.196	-7	0.00085	0.00031	0.00405	10.78	0.001041
12:24:35.196	-7	0.00078	0.00033	0.00449	10.868	0.00105
12:24:36.196	-7	0.00074	0.00022	0.00456	10.634	0.001027
12:24:37.196	-7	0.00061	0.00029	0.00323	6.568	0.000635
12:24:38.196	-7	0.0004	0.00013	0.00122	3.547	0.000343
12:24:39.196	-7	0.00031	0.0002	0.00438	3.914	0.000379
12:24:40.196	-7	0.00028	0.00034	0.00403	5.22	0.000505
12:24:41.196	-7	0.00025	0.00043	0.00267	6.395	0.000618
12:24:42.196	-7	0.00019	0.00038	0.00194	7.256	0.000701
12:24:43.196	-7	0.00015	0.00026	0.00234	7.516	0.000726
12:24:44.196	-7	0.00012	0.00028	0.00234	7.331	0.000708
12:24:45.196	-7	0.00012	0.00019	0.00273	7.296	0.000705
12:24:46.196	-7	0.00012	0.00026	0.00278	7.177	0.000693
12:24:47.196	-7	0.00012	0.0002	0.00282	7.295	0.000705
12:24:48.196	-7	0.00012	0.00023	0.00296	7.795	0.000753
12:24:49.196	-7	0.00015	0.0003	0.00376	10.081	0.000973
12:24:50.196	-7	0.0002	0.00029	0.00628	14.228	0.001373
12:24:51.196	-7	0.00039	0.0005	0.00568	14.939	0.001442
12:24:52.196	-7	0.00056	0.00025	0.00384	10.646	0.001029
12:24:53.196	-7	0.00071	0.00026	0.00326	7.721	0.000746
12:24:54.196	-7	0.00065	0.00015	0.00335	5.961	0.000576
12:24:55.196	-7	0.00059	0.00018	0.00353	5.659	0.000547
12:24:56.196	-7	0.00049	0.0002	0.00291	6.22	0.000601
12:24:57.196	-7	0.00039	0.00022	0.00296	7.761	0.00075
12:24:58.196	-7	0.00031	0.00033	0.00253	8.993	0.000868
12:24:59.196	-7	0.00025	0.00026	0.00254	9.212	0.000889
12:25:00.196	-7	0.00022	0.00038	0.00313	9.286	0.000897
12:25:01.196	-7	0.00022	0.00026	0.00365	9.272	0.000896
12:25:02.196	-7	0.00022	0.00018	0.00416	9.277	0.000896
12:25:03.196	-7	0.00024	0.00013	0.00405	8.978	0.000867
12:25:04.196	-7	0.00031	0.00006	0.00402	8.966	0.000866
12:25:05.196	-7	0.00038	0.00016	0.00406	9.13	0.000882
12:25:06.196	-7	0.00044	0.00015	0.00407	9.154	0.000884
12:25:07.196	-7	0.0005	0.0003	0.00401	8.843	0.000854
12:25:08.196	-7	0.00052	0.00022	0.00394	8.639	0.000835
12:25:09.196	-7	0.0005	0.00029	0.00377	8.268	0.000799
12:25:10.196	-7	0.00049	0.00029	0.00366	8.041	0.000777
12:25:11.196	-7	0.00048	0.00024	0.00358	7.868	0.00076
12:25:12.196	-7	0.00046	0.00032	0.00356	7.927	0.000766
12:25:13.196	-7	0.00045	0.00017	0.00366	8.296	0.000801
12:25:14.196	-7	0.00046	0.00032	0.0038	8.638	0.000834
12:25:15.196	-7	0.00046	0.00018	0.00378	8.521	0.000823
12:25:16.196	-7	0.00045	0.00026	0.00368	8.143	0.000787
12:25:17.196	-7	0.00046	0.00027	0.00403	8.246	0.000797
12:25:18.196	-7	0.00049	0.00023	0.00441	8.918	0.000862
12:25:19.196	-7	0.0005	0.00037	0.00412	9.173	0.000886
12:25:20.196	-7	0.00048	0.00028	0.00395	8.628	0.000834

71.3	7.10E+00	8.500	0.600	6.632	0.469	8.500
71.3	6.30E+00	7.400	0.600	5.817	0.470	8.700
70.9	6.10E+00	7.200	0.600	5.647	0.470	6.100
70.9	6.00E+00	6.900	0.600	5.554	0.481	9.500
70.7	5.90E+00	6.600	0.600	5.374	0.487	6.600
70.6	4.90E+00	5.500	0.600	4.405	0.483	10.600
69	4.20E+00	4.700	0.600	3.751	0.474	17.100
69	3.40E+00	3.800	0.600	2.944	0.469	19.600
68.1	2.40E+00	2.500	0.600	1.923	0.469	15.800
68.1	1.70E+00	1.600	0.600	1.275	0.469	10.400
67.7	1.50E+00	1.300	0.600	1.028	0.470	11.000
67.7	1.50E+00	1.200	0.700	0.941	0.539	7.600
67.6	1.40E+00	1.100	0.700	0.862	0.549	10.600
67.6	1.40E+00	1.100	0.700	0.862	0.549	7.900
67.3	1.40E+00	1.100	0.700	0.861	0.548	8.900
67.3	1.40E+00	1.100	0.700	0.856	0.545	9.300
67.2	1.40E+00	1.100	0.700	0.851	0.542	6.800
67.2	2.50E+00	2.500	0.700	1.918	0.545	10.500
68.1	4.50E+00	5.000	0.700	3.906	0.551	6.500
68.1	7.20E+00	8.500	0.700	6.696	0.553	8.800
69.3	8.40E+00	9.900	0.700	7.821	0.555	6.600
69.3	8.30E+00	9.800	0.700	7.755	0.553	8.500
69.4	6.70E+00	7.800	0.700	6.148	0.550	9.300
69.3	4.60E+00	5.100	0.700	4.015	0.547	8.500
67.6	3.20E+00	3.400	0.700	2.660	0.546	11.300
67.6	2.50E+00	2.400	0.700	1.905	0.547	8.500
68.9	2.10E+00	2.000	0.700	1.586	0.548	12.200
68.9	2.00E+00	1.900	0.700	1.489	0.549	8.300
69	2.00E+00	1.900	0.700	1.490	0.549	5.600
69	2.30E+00	2.300	0.700	1.771	0.549	4.200
69	3.10E+00	3.200	0.700	2.518	0.549	1.900
69	3.70E+00	4.000	0.700	3.104	0.548	5.100
69	4.30E+00	4.800	0.700	3.721	0.548	4.700
69	4.90E+00	5.600	0.700	4.365	0.549	9.700
69.2	5.20E+00	5.900	0.700	4.621	0.549	7.500
69.2	5.20E+00	5.900	0.700	4.631	0.549	10.100
69.3	5.30E+00	6.000	0.700	4.709	0.549	10.200
69.3	5.30E+00	6.000	0.700	4.708	0.549	8.800
69.3	5.10E+00	5.800	0.700	4.558	0.549	11.900
69.3	4.90E+00	5.500	0.700	4.315	0.548	6.100
69.3	4.80E+00	5.400	0.700	4.224	0.548	11.100
69.3	4.80E+00	5.400	0.700	4.227	0.548	6.300
69.3	4.80E+00	5.400	0.700	4.234	0.549	9.100
69.3	4.80E+00	5.400	0.700	4.239	0.550	9.300
69.3	4.80E+00	5.400	0.700	4.232	0.549	7.500
69.3	4.80E+00	5.400	0.700	4.231	0.549	11.800
69	4.80E+00	5.400	0.700	4.238	0.549	9.300

2251	70.17	68.7	388.173248	488.911765
2244	70.17	71.8	388.8	483.970588
2246	70.17	71.1	388.8	479.029412
2217	69.284	23.6	389.400973	474.088235
2197	68.566	39.8	389.5	459.03007
2182	67.952	55.7	389.5	441.442657
2168	67.69	58.8	389.5	423.855245
2155	67.255	64.9	389.5	429.070399
2150	67.07	65.4	389.5	435.741036
2147	67.07	64.5	389.5	442.411674
2142	66.842	64.8	389.5	446.192532
2137	66.45	65.2	389.5	447.897912
2135	66.45	64.5	389.5	449.603293
2134	66.45	65.2	389.5	452.207017
2133	66.45	65.8	389.5	458.875616
2138	66.45	81.9	389.5	465.544216
2153	66.849	78.3	388.946288	472.212815
2174	67.725	65.9	388.8	475.708438
2190	68.31	66.1	388.8	478.04237
2199	68.517	66.3	388.418065	480.376302
2202	68.796	58.1	388	479.442175
2201	68.31	62.9	388	473.396471
2199	68.31	69.8	387.946909	467.350767
2196	68.31	68	387.219636	461.305062
2193	68.31	66	386.420821	462.196252
2191	68.31	65.5	386.4	463.58559
2191	68.31	68	386.4	464.974927
2190	68.31	69.4	386.4	466.944276
2192	68.31	69.3	386.4	469.025751
2194	68.31	69.4	386.4	471.107226
2193	68.31	70.5	386.4	472.930981
2193	68.31	71.1	386.4	474.46989
2197	68.31	67.4	386.4	476.008798
2198	68.31	67.1	386.458458	477.426611
2201	68.31	66.4	387.15264	475.059215
2202	68.31	66	386.51264	472.691819
2201	68.31	64.5	387.004771	470.324423
2199	68.31	65.2	386.663744	469.408698
2198	68.31	66.1	386.4	469.133047
2197	68.31	66.5	386.4	468.857397
2197	68.31	66.5	386.4	468.36764
2200	68.31	64.6	386.4	467.592908
2199	68.31	64.1	386.4	466.818176
2193	68.31	62.6	386.4	466.155174
2191	68.31	70.7	386.4	466.910988
2192	68.31	69.5	386.4	467.666802
2198	68.31	64.3	386.4	468.422616

1.44891	0.1654	5.01916	5032.296
1.44969	0.16573	5.02365	5043.164
1.45043	0.16595	5.02821	5053.798
1.45104	0.16624	5.03144	5060.366
1.45144	0.16637	5.03266	5063.913
1.45175	0.16657	5.03704	5067.827
1.45203	0.16691	5.04107	5073.047
1.45228	0.16734	5.04374	5079.442
1.45247	0.16772	5.04568	5086.698
1.45262	0.16798	5.04802	5094.214
1.45274	0.16826	5.05036	5101.545
1.45286	0.16845	5.05309	5108.841
1.45298	0.16871	5.05587	5116.018
1.4531	0.16891	5.05869	5123.313
1.45322	0.16914	5.06165	5131.108
1.45337	0.16944	5.06541	5141.189
1.45357	0.16973	5.07169	5155.417
1.45396	0.17023	5.07737	5170.356
1.45452	0.17048	5.08121	5181.002
1.45523	0.17074	5.08447	5188.723
1.45588	0.17089	5.08782	5194.684
1.45647	0.17107	5.09135	5200.343
1.45696	0.17127	5.09426	5206.563
1.45735	0.17149	5.09722	5214.324
1.45766	0.17182	5.09975	5223.317
1.45791	0.17208	5.10229	5232.529
1.45813	0.17246	5.10542	5241.815
1.45835	0.17272	5.10907	5251.087
1.45857	0.1729	5.11323	5260.364
1.45881	0.17303	5.11728	5269.342
1.45912	0.17309	5.1213	5278.308
1.4595	0.17325	5.12536	5287.438
1.45994	0.1734	5.12943	5296.592
1.46044	0.1737	5.13344	5305.435
1.46096	0.17392	5.13738	5314.074
1.46146	0.17421	5.14115	5322.342
1.46195	0.1745	5.14481	5330.383
1.46243	0.17474	5.14839	5338.251
1.46289	0.17506	5.15195	5346.178
1.46334	0.17523	5.15561	5354.474
1.4638	0.17555	5.15941	5363.112
1.46426	0.17573	5.16319	5371.633
1.46471	0.17599	5.16687	5379.776
1.46517	0.17626	5.1709	5388.022
1.46566	0.17649	5.17531	5396.94
1.46616	0.17686	5.17943	5406.113
1.46664	0.17714	5.18338	5414.741

12:25:21.196	-7	0.00046	0.00037	0.00417	8.055	0.000778
12:25:22.196	-7	0.00044	0.00023	0.00382	7.764	0.00075
12:25:23.196	-7	0.00042	0.00031	0.00373	7.597	0.000734
12:25:24.196	-7	0.0004	0.00029	0.00373	7.446	0.000719
12:25:25.196	-7	0.00038	0.00027	0.00336	7.771	0.000751
12:25:26.196	-7	0.0004	0.00038	0.00318	8.486	0.00082
12:25:27.196	-7	0.00041	0.00028	0.00329	8.753	0.000845
12:25:28.196	-7	0.00039	0.00035	0.00361	8.536	0.000825
12:25:29.196	-7	0.00038	0.00027	0.00386	8.655	0.000836
12:25:30.196	-7	0.00037	0.00033	0.0039	8.768	0.000847
12:25:31.196	-7	0.00039	0.00029	0.00393	9.02	0.000871
12:25:32.196	-7	0.00042	0.0003	0.00359	9.357	0.000904
12:25:33.196	-7	0.0005	0.00042	0.00374	9.789	0.000946
12:25:34.196	-7	0.00067	0.0003	0.00432	10.197	0.000985
12:25:35.196	-7	0.00082	0.00045	0.00466	10.411	0.001006
12:25:36.196	-7	0.0009	0.0003	0.0047	10.511	0.001015
12:25:37.196	-7	0.00093	0.00039	0.00461	10.056	0.000972
12:25:38.196	-7	0.00094	0.00031	0.00454	9.857	0.000952
12:25:39.196	-7	0.00095	0.00024	0.00456	9.898	0.000956
12:25:40.196	-7	0.00094	0.00034	0.0045	9.779	0.000945
12:25:41.196	-7	0.00094	0.0002	0.00443	9.618	0.000929
12:25:42.196	-7	0.00091	0.00033	0.00431	9.36	0.000904
12:25:43.196	-7	0.00088	0.0002	0.00411	9.211	0.00089
12:25:44.196	-7	0.00086	0.00027	0.00351	8.943	0.000864
12:25:45.196	-7	0.00084	0.00021	0.00342	8.838	0.000854
12:25:46.196	-7	0.00082	0.00019	0.00337	8.773	0.000847
12:25:47.196	-7	0.0008	0.00023	0.0034	8.903	0.00086
12:25:48.196	-7	0.00076	0.00022	0.00325	9.111	0.00088
12:25:49.196	-7	0.00071	0.00033	0.00288	8.914	0.000861
12:25:50.196	-7	0.0006	0.0002	0.00332	8.712	0.000842
12:25:51.196	-7	0.0005	0.00029	0.00322	8.348	0.000806
12:25:52.196	-7	0.00042	0.0003	0.0031	7.998	0.000773
12:25:53.196	-7	0.00028	0.00039	0.00324	7.697	0.000744
12:25:54.196	-7	0.00022	0.00031	0.00334	7.713	0.000745
12:25:55.196	-7	0.0002	0.00021	0.00298	7.705	0.000744
12:25:56.196	-7	0.00016	0.00029	0.00311	8.187	0.000791
12:25:57.196	-7	0.00014	0.00018	0.00279	8.534	0.000824
12:25:58.196	-7	0.00014	0.0003	0.00267	8.458	0.000817
12:25:59.196	-7	0.00013	0.0002	0.00293	8.3	0.000802
12:26:00.196	-7	0.0001	0.00019	0.00327	8.467	0.000818
12:26:01.196	-7	0.00008	0.00024	0.00343	8.916	0.000861
12:26:02.196	-7	0.00008	0.00014	0.0036	9.439	0.000912
12:26:03.196	-7	0.00009	0.00023	0.00368	9.719	0.000939
12:26:04.196	-7	0.0002	0.00038	0.01185	20.402	0.00197
12:26:05.196	-7	0.00545	0.00076	0.01784	29.744	0.00287
12:26:06.196	-7	0.01845	0.00042	0.0161	30.911	0.002982
12:26:07.196	-7	0.03276	0.00039	0.01215	30.089	0.002903

69	4.80E+00	5.400	0.700	4.244	0.550	13.000
69.3	4.80E+00	5.400	0.700	4.245	0.550	8.300
69.3	4.80E+00	5.400	0.700	4.240	0.550	11.700
69.3	4.60E+00	5.200	0.700	4.098	0.549	11.200
69.3	4.40E+00	4.900	0.700	3.844	0.548	10.100
69.3	4.20E+00	4.700	0.700	3.694	0.547	13.500
69.3	4.20E+00	4.600	0.700	3.609	0.548	9.300
69.3	4.00E+00	4.400	0.700	3.457	0.549	12.000
69.3	3.80E+00	4.200	0.700	3.301	0.548	9.000
69.2	3.80E+00	4.100	0.700	3.211	0.548	11.200
69.2	3.80E+00	4.200	0.700	3.279	0.548	9.600
69.2	4.00E+00	4.400	0.700	3.428	0.548	9.400
69.2	4.50E+00	5.000	0.700	3.949	0.548	12.500
69	5.80E+00	6.700	0.700	5.247	0.549	8.700
69	6.90E+00	8.100	0.700	6.362	0.549	12.600
69	7.60E+00	8.900	0.700	7.016	0.549	8.300
69	8.00E+00	9.500	0.700	7.452	0.550	11.100
68.9	8.20E+00	9.700	0.700	7.613	0.550	9.000
68.9	8.30E+00	9.800	0.700	7.701	0.550	6.900
68.9	8.30E+00	9.800	0.700	7.702	0.550	9.800
68.9	8.30E+00	9.900	0.700	7.782	0.550	5.900
69.2	8.30E+00	9.900	0.700	7.782	0.550	10.000
69.2	8.30E+00	9.900	0.700	7.775	0.550	6.300
68.9	8.30E+00	9.900	0.700	7.773	0.550	8.800
68.9	8.30E+00	9.900	0.700	7.771	0.550	6.900
69.6	8.20E+00	9.800	0.700	7.700	0.549	6.400
69.6	7.90E+00	9.400	0.700	7.392	0.549	7.600
69	7.50E+00	8.900	0.700	6.982	0.548	7.100
69	7.10E+00	8.400	0.700	6.550	0.549	11.000
69.2	6.10E+00	7.100	0.700	5.535	0.549	6.600
69.2	5.20E+00	6.000	0.700	4.691	0.550	10.100
69.3	4.50E+00	5.100	0.700	3.971	0.550	11.000
69.3	3.20E+00	3.400	0.700	2.635	0.550	14.500
69.4	2.50E+00	2.500	0.700	1.987	0.550	11.700
69.4	2.30E+00	2.200	0.700	1.746	0.550	7.700
69.4	1.70E+00	1.500	0.700	1.200	0.549	10.300
69.4	1.50E+00	1.200	0.700	0.950	0.548	6.400
69.2	1.40E+00	1.100	0.700	0.872	0.549	10.300
69.2	1.40E+00	1.100	0.700	0.864	0.550	6.900
69.2	1.00E+00	0.600	0.700	0.490	0.550	6.600
69.2	8.00E-01	0.300	0.700	0.246	0.549	7.800
69	8.00E-01	0.300	0.700	0.235	0.549	4.300
69	8.00E-01	0.300	0.700	0.235	0.549	6.900
69	9.00E-01	0.500	0.700	0.372	0.546	5.700
69	1.95E+01	24.600	0.700	18.912	0.539	9.000
70.3	6.42E+01	82.800	0.700	63.662	0.538	4.800
70.5	1.13E+02	145.900	0.800	112.592	0.608	4.500

2201	68.31	63	386.4	466.684196
2200	68.31	64.2	386.4	463.499673
2199	68.31	64.7	386.4	460.315149
2198	68.31	65.4	386.4	458.594376
2194	68.31	68.5	386.4	460.771575
2197	68.31	65.4	386.4	462.948775
2195	68.31	63.3	386.4	465.125975
2193	68.31	65	386.301989	464.412418
2194	68.31	68.1	385.745107	463.597115
2191	68.31	69.5	385.7	462.781812
2191	68.31	69.6	385.7	465.342089
2191	68.31	70.6	385.7	468.87116
2190	68.31	71.3	385.7	472.400231
2191	68.31	69.8	385.7	475.482303
2192	68.31	69.8	385.7	477.614499
2196	68.31	69.8	385.7	479.746695
2196	68.31	69	385.568004	481.740963
2198	68.31	70.1	384.1	480.145382
2197	68.31	70.9	384.1	478.549801
2200	68.31	71	384.1	476.954219
2198	68.31	70.3	384.1	476.196775
2197	68.31	69.8	383.640303	475.678491
2199	68.31	69.3	383.3	475.160207
2199	68.31	68.1	383.3	474.554185
2197	68.31	67.4	383.3	473.748233
2196	68.31	67.7	383.182231	472.942281
2193	68.31	72.1	382.6	472.120017
2197	68.31	69.9	382.6	471.107579
2200	68.31	67.2	382.6	470.09514
2200	68.31	65.8	382.041166	469.082702
2200	68.31	64.6	381.8	467.061175
2200	68.31	63.4	381.8	464.426408
2201	68.31	63.7	381.8	461.791641
2202	68.31	64.3	381.8	460
2200	68.31	62.9	381.8	460
2196	68.31	67	381.8	460
2197	68.31	67.8	381.8	459.988892
2197	68.31	64.3	381.8	459.704082
2197	68.31	65.1	381.8	459.419272
2195	68.31	66.4	381.8	459.134462
2187	68.31	70.6	381.8	461.33367
2186	68.31	72.8	381.8	463.87482
2192	68.31	69.5	381.8	466.415969
2213	68.77	76.4	381.8	487.016513
2270	70.519	99.9	382.236968	532.969671
2348	73.373	99.4	384.031111	578.922828
2427	75.585	98	388.487143	620.275641

1.4671	0.17751	5.18755	5422.796
1.46754	0.17774	5.19137	5430.56
1.46796	0.17805	5.1951	5438.157
1.46836	0.17834	5.19883	5445.603
1.46874	0.17861	5.20219	5453.374
1.46914	0.17899	5.20537	5461.86
1.46955	0.17927	5.20866	5470.613
1.46994	0.17962	5.21227	5479.149
1.47032	0.17989	5.21613	5487.804
1.47069	0.18022	5.22003	5496.572
1.47108	0.18051	5.22396	5505.592
1.4715	0.18081	5.22755	5514.949
1.472	0.18123	5.23129	5524.738
1.47267	0.18153	5.23561	5534.935
1.47349	0.18198	5.24027	5545.346
1.47439	0.18228	5.24497	5555.857
1.47532	0.18267	5.24958	5565.913
1.47626	0.18298	5.25412	5575.77
1.47721	0.18322	5.25868	5585.668
1.47815	0.18356	5.26318	5595.447
1.47909	0.18376	5.26761	5605.065
1.48	0.18409	5.27192	5614.425
1.48088	0.18429	5.27603	5623.636
1.48174	0.18456	5.27954	5632.579
1.48258	0.18477	5.28296	5641.417
1.4834	0.18496	5.28633	5650.19
1.4842	0.18519	5.28973	5659.093
1.48496	0.18541	5.29298	5668.204
1.48567	0.18574	5.29586	5677.118
1.48627	0.18594	5.29918	5685.83
1.48677	0.18623	5.3024	5694.178
1.48719	0.18653	5.3055	5702.176
1.48747	0.18692	5.30874	5709.873
1.48769	0.18723	5.31208	5717.586
1.48789	0.18744	5.31506	5725.291
1.48805	0.18773	5.31817	5733.478
1.48819	0.18791	5.32096	5742.012
1.48833	0.18821	5.32363	5750.47
1.48846	0.18841	5.32656	5758.77
1.48856	0.1886	5.32983	5767.237
1.48864	0.18884	5.33326	5776.153
1.48872	0.18898	5.33686	5785.592
1.48881	0.18921	5.34054	5795.311
1.48901	0.18959	5.35239	5815.713
1.49446	0.19035	5.37023	5845.457
1.51291	0.19077	5.38633	5876.368
1.54567	0.19116	5.39848	5906.457

12:26:08.196	-7	0.02758	0.00033	0.00486	15.957	0.001542
12:26:09.196	-7	0.01283	0.00011	0.00056	4.875	0.000472
12:26:10.196	-7	0.00725	0.00018	0.00044	2.023	0.000196
12:26:11.196	-7	0.00328	0.00008	0.00231	0.821	0.00008
12:26:12.196	-7	0.00134	0.00017	0.00383	0.613	0.00006
12:26:13.196	-7	0.00062	0.00012	0.00419	1.515	0.000147
12:26:14.196	-7	0.00038	0.0001	0.00528	2.882	0.00028
12:26:15.196	-7	0.00027	0.00009	0.00436	4.249	0.000411
12:26:16.196	-7	0.00023	0.00016	0.00404	5.859	0.000566
12:26:17.196	-7	0.00021	0.00026	0.00348	7.025	0.000679
12:26:18.196	-7	0.00017	0.00019	0.00287	7.238	0.000699
12:26:19.196	-7	0.00014	0.00027	0.0031	7.516	0.000726
12:26:20.196	-7	0.00013	0.00014	0.00352	7.428	0.000718
12:26:21.196	-7	0.0001	0.00018	0.00341	6.992	0.000676
12:26:22.196	-7	0.00007	0.00016	0.00326	6.597	0.000638
12:26:23.196	-7	0.00006	0.0001	0.0032	6.489	0.000627
12:26:24.196	-7	0.00006	0.0002	0.00319	6.582	0.000636
12:26:25.196	-7	0.00006	0.00012	0.00319	6.854	0.000662
12:26:26.196	-7	0.00005	0.00021	0.00278	6.847	0.000662
12:26:27.196	-7	0.00005	0.00013	0.00279	6.854	0.000662
12:26:28.196	-7	0.00005	0.00018	0.00278	6.748	0.000652
12:26:29.196	-7	0.00005	0.0002	0.00297	6.658	0.000643
12:26:30.196	-7	0.00005	0.00014	0.00316	6.474	0.000626
12:26:31.196	-7	0.00005	0.00019	0.00305	6.259	0.000605
12:26:32.196	-7	0.00004	0.00015	0.00298	6.133	0.000593
12:26:33.196	-7	0.00004	0.00022	0.00293	6.108	0.00059
12:26:34.196	-7	0.00004	0.00015	0.00266	6.125	0.000592
12:26:35.196	-7	0.00004	0.0002	0.00266	6.03	0.000583
12:26:36.196	-7	0.00004	0.00018	0.00288	6.008	0.000581
12:26:37.196	-7	0.00004	0.00015	0.00285	5.947	0.000575
12:26:38.196	-7	0.00004	0.00024	0.00284	5.949	0.000575
12:26:39.196	-7	0.00004	0.00015	0.00283	6.065	0.000586
12:26:40.196	-7	0.00004	0.00025	0.00267	6.444	0.000623
12:26:41.196	-7	0.00004	0.00017	0.00246	6.94	0.00067
12:26:42.196	-7	0.00004	0.00025	0.0023	7.191	0.000695
12:26:43.196	-7	0.00004	0.0002	0.00244	7.023	0.000678
12:26:44.196	-7	0.00004	0.00018	0.00333	7.179	0.000694
12:26:45.196	-7	0.00004	0.00026	0.00342	7.204	0.000696
12:26:46.196	-7	0.00004	0.00017	0.00326	6.752	0.000653
12:26:47.196	-7	0.00004	0.00024	0.00322	6.14	0.000594
12:26:48.196	-7	0.00004	0.00017	0.00328	6.04	0.000584
12:26:49.196	-7	0.00004	0.00021	0.00298	6.4	0.000618
12:26:50.196	-7	0.00004	0.00019	0.00275	7.058	0.000682
12:26:51.196	-7	0.00004	0.00019	0.00367	7.74	0.000748
12:26:52.196	-7	0.00004	0.00028	0.0039	7.603	0.000735
12:26:53.196	-7	0.00004	0.00013	0.00367	7.213	0.000697
12:26:54.196	-7	0.00004	0.00026	0.00347	7.341	0.000709

75.3	1.33E+02	165.800	1.200	131.607	0.936	5.300
75.3	1.11E+02	134.000	1.400	110.003	1.140	3.300
77.6	6.13E+01	71.500	1.400	60.163	1.178	5.000
77.5	3.26E+01	37.100	1.300	31.477	1.103	2.700
74.7	1.68E+01	18.500	1.300	15.736	1.103	7.200
74.6	9.30E+00	9.900	1.200	8.290	1.004	5.700
72.2	5.90E+00	6.000	1.200	4.943	0.983	5.000
72.2	4.20E+00	4.100	1.100	3.286	0.883	4.600
70.9	3.20E+00	3.000	1.100	2.337	0.869	7.100
70.9	2.60E+00	2.200	1.100	1.756	0.863	10.800
70.2	2.00E+00	1.500	1.100	1.147	0.865	7.500
70.2	1.60E+00	0.900	1.100	0.729	0.866	10.000
70	1.40E+00	0.700	1.100	0.562	0.867	5.300
70	1.10E+00	0.400	1.000	0.336	0.790	6.800
69.6	9.00E-01	0.100	1.000	0.103	0.790	6.500
69.6	7.00E-01	0.000	0.900	0.000	0.720	4.100
69.5	7.00E-01	-0.100	0.900	0.000	0.710	8.200
69.5	7.00E-01	-0.100	0.900	0.000	0.709	5.000
69.3	6.00E-01	-0.200	0.800	0.000	0.639	8.300
69.3	6.00E-01	-0.300	0.800	0.000	0.630	5.300
69.3	6.00E-01	-0.300	0.800	0.000	0.631	7.400
69.3	6.00E-01	-0.400	0.800	0.000	0.631	8.000
69.3	6.00E-01	-0.400	0.800	0.000	0.632	6.000
69.3	6.00E-01	-0.400	0.800	0.000	0.632	8.000
69.3	6.00E-01	-0.400	0.700	0.000	0.561	6.600
69.3	6.00E-01	-0.400	0.700	0.000	0.552	10.000
69.3	6.00E-01	-0.500	0.700	0.000	0.552	6.600
69.3	6.00E-01	-0.600	0.700	0.000	0.552	9.100
69.3	6.00E-01	-0.700	0.700	0.000	0.552	8.300
69.3	6.00E-01	-0.800	0.700	0.000	0.552	7.100
69.3	6.00E-01	-0.800	0.700	0.000	0.552	10.900
69.3	6.00E-01	-0.800	0.700	0.000	0.551	6.900
69.3	5.00E-01	-0.800	0.700	0.000	0.550	11.400
69.3	5.00E-01	-0.800	0.700	0.000	0.549	7.100
69	5.00E-01	-0.800	0.700	0.000	0.549	10.100
69	5.00E-01	-0.800	0.600	0.000	0.482	8.000
69	5.00E-01	-0.800	0.600	0.000	0.473	7.000
69	5.00E-01	-0.800	0.600	0.000	0.473	9.900
69	5.00E-01	-0.700	0.600	0.000	0.474	6.700
69	5.00E-01	-0.600	0.600	0.000	0.475	10.600
69.2	5.00E-01	-0.600	0.600	0.000	0.474	7.300
69.2	5.00E-01	-0.500	0.600	0.000	0.473	9.000
69.2	5.00E-01	-0.500	0.600	0.000	0.471	7.700
69.2	5.00E-01	-0.500	0.600	0.000	0.470	7.200
69.2	5.00E-01	-0.500	0.600	0.000	0.471	10.700
69.2	5.00E-01	-0.500	0.600	0.000	0.473	5.000
69.2	4.00E-01	-0.500	0.500	0.000	0.403	10.000

2453	76.652	42.3	394.022857	559.244027
2437	76.029	3.2	400.521633	498.212413
2394	74.63	0	403.147497	438.264123
2348	73.442	0	404.92912	405.741046
2305	71.822	9.8	406.20912	373.217969
2279	70.98	35.7	407.060091	340.694892
2261	70.434	52.4	407.2	345.409576
2246	69.885	62.5	407.704615	360.142541
2232	69.55	62.6	408	374.875506
2224	69.347	59.7	408.413115	388.170358
2220	68.93	61.6	409.186406	400.189902
2213	68.93	61.1	410.447447	412.209446
2210	68.93	59.7	411.3	419.293268
2208	68.93	59.9	410.383161	420.582982
2205	68.93	61.3	409.6	421.872696
2202	68.93	61.1	409.128727	423.340211
2200	68.93	62.3	407.698496	425.262672
2200	68.405	62.4	406.352494	427.185133
2200	68.31	60.9	404.198002	428.590476
2201	68.31	61.9	401.945628	427.280952
2199	68.31	61.6	400.673768	425.971429
2198	68.31	60.9	397.085714	424.661905
2197	68.31	59.5	394.740563	423.295623
2200	68.31	58.3	392.948046	421.915152
2200	68.31	56.8	389.92747	420.53468
2200	68.31	56.2	388.309545	419.121268
2199	68.31	55.2	386.355319	417.701108
2198	68.31	55.2	383.357546	416.280949
2200	68.31	55.3	381.983482	415.730992
2199	68.31	55.8	380.703895	415.233634
2196	68.31	55.8	378.49934	414.736276
2193	68.31	59.1	376.857284	416.08303
2190	68.31	64.2	375.858751	418.12577
2189	68.31	64.5	374.667273	420.16851
2192	68.31	61.5	373.433524	420.487042
2191	68.31	59.8	371.922844	419.360282
2192	68.31	60.7	370.998102	418.233521
2194	68.31	60.7	369.778341	416.87262
2197	68.31	58.4	369.3	415.413273
2199	68.31	57.3	369.3	413.953926
2198	68.31	58	368.669369	414.902913
2195	68.31	63.6	368.5	416.359223
2192	68.31	64.4	367.713348	417.815534
2195	68.31	62.9	367.588995	419.845044
2197	68.31	59.4	366.951037	421.909848
2196	68.31	60.3	366.9	423.974651
2194	68.31	61.8	365.75649	415.052911

1.57325	0.19149	5.40334	5922.414
1.58608	0.1916	5.4039	5927.289
1.59333	0.19178	5.40434	5929.312
1.59661	0.19186	5.40665	5930.133
1.59795	0.19203	5.41048	5930.746
1.59857	0.19215	5.41467	5932.261
1.59895	0.19225	5.41995	5935.143
1.59922	0.19234	5.42431	5939.392
1.59945	0.1925	5.42835	5945.251
1.59966	0.19276	5.43183	5952.276
1.59983	0.19295	5.4347	5959.514
1.59997	0.19322	5.4378	5967.03
1.6001	0.19336	5.44132	5974.458
1.6002	0.19354	5.44473	5981.45
1.60027	0.1937	5.44799	5988.047
1.60033	0.1938	5.45119	5994.536
1.60039	0.194	5.45438	6001.118
1.60045	0.19412	5.45757	6007.972
1.6005	0.19433	5.46035	6014.819
1.60055	0.19446	5.46314	6021.673
1.6006	0.19464	5.46592	6028.421
1.60065	0.19484	5.46889	6035.079
1.6007	0.19498	5.47205	6041.553
1.60075	0.19517	5.4751	6047.812
1.60079	0.19532	5.47808	6053.945
1.60083	0.19554	5.48101	6060.053
1.60087	0.19569	5.48367	6066.178
1.60091	0.19589	5.48633	6072.208
1.60095	0.19607	5.48921	6078.216
1.60099	0.19622	5.49206	6084.163
1.60103	0.19646	5.4949	6090.112
1.60107	0.19661	5.49773	6096.177
1.60111	0.19686	5.5004	6102.621
1.60115	0.19703	5.50286	6109.561
1.60119	0.19728	5.50516	6116.752
1.60123	0.19748	5.5076	6123.775
1.60127	0.19766	5.51093	6130.954
1.60131	0.19792	5.51435	6138.158
1.60135	0.19809	5.51761	6144.91
1.60139	0.19833	5.52083	6151.05
1.60143	0.1985	5.52411	6157.09
1.60147	0.19871	5.52709	6163.49
1.60151	0.1989	5.52984	6170.548
1.60155	0.19909	5.53351	6178.288
1.60159	0.19937	5.53741	6185.891
1.60163	0.1995	5.54108	6193.104
1.60167	0.19976	5.54455	6200.445

12:26:55.196	-7	0.00004	0.00016	0.00297	7.33	0.000708
12:26:56.196	-7	0.00005	0.00032	0	7.155	0.000692
12:26:57.196	-7	0.00005	0.00029	0	3.68	0.000356
12:26:58.196	-7	0.00006	0.00022	0.00076	1.604	0.000155
12:26:59.196	-7	0.00003	0.00022	0.00214	0.632	0.000062
12:27:00.196	-7	0.00002	0.00008	0.00399	0.934	0.000091
12:27:01.196	-7	0.00004	0.00028	0.01072	5.489	0.000532
12:27:02.196	-7	0.00004	0.00039	0.0082	9.536	0.000922
12:27:03.196	-7	0.00005	0.00046	0.00495	11.495	0.00111
12:27:04.196	-7	0.00006	0.00031	0.00422	11.959	0.001155
12:27:05.196	-7	0.00006	0.0002	0.00464	10.915	0.001054
12:27:06.196	-7	0.00006	0.0002	0.00505	10.19	0.000984
12:27:07.196	-7	0.00009	0.00014	0.00475	10.309	0.000995
12:27:08.196	-7	0.00009	0.0003	0.00374	10.312	0.000996
12:27:09.196	-7	0.00009	0.00018	0.00232	7.907	0.000764
12:27:10.196	-7	0.00007	0.00021	0.00113	4.965	0.00048
12:27:11.196	-7	0.00005	0.00015	0.00083	3.043	0.000294
12:27:12.196	-7	0.00003	0.00013	0.00093	1.839	0.000178
12:27:13.196	-7	0.00003	0.00027	0.00117	1.578	0.000153
12:27:14.196	-7	0.00004	0.00019	0.00129	0.846	0.000082
12:27:15.196	-7	0.00003	0.0002	0.00122	0.464	0.000043
12:27:16.196	-7	0.00003	0.0001	0.00144	0.323	0.000039
12:27:17.196	-7	0.00003	0.00018	0.0018	0.258	0.000037
12:27:18.196	-7	0.00003	0.00014	0.00202	0.209	0.000036
12:27:19.196	-7	0.00003	0.00013	0.00195	0.176	0.000035
12:27:20.196	-7	0.00003	0.00018	0.00192	0.161	0.000034
12:27:21.196	-7	0.00002	0.00007	0.00101	0.148	0.000018
12:27:22.196	-7	0.00002	0.00011	0.00286	0.695	0.000068
12:27:23.196	-7	0.00002	0.00008	0.00431	2.23	0.000216
12:27:24.196	-7	0.00002	0.00015	0.00412	4.08	0.000395
12:27:25.196	-7	0.00002	0.00011	0.00257	4.78	0.000462
12:27:26.196	-7	0.00002	0.00013	0.00273	5.64	0.000545
12:27:27.196	-7	0.00003	0.00015	0.00238	6.699	0.000647
12:27:28.196	-7	0.00003	0.0001	0.0022	6.982	0.000673
12:27:29.196	-7	0.00002	0.00016	0.0017	6.112	0.00059
12:27:30.196	-7	0.00002	0.00009	0.00125	4.29	0.000414
12:27:31.196	-7	0.00001	0.00011	0.00123	2.889	0.000279
12:27:32.196	-7	0.00001	0.00006	0.00081	1.971	0.000191
12:27:33.196	-7	0.00001	0.00004	0.00047	1.326	0.000128
12:27:34.196	-7	0.00001	0.00004	0.00047	0.843	0.000082
12:27:35.196	-7	0	0.00002	0.00053	0.477	0.000046
12:27:36.196	-7	0	0.00004	0.0006	0.339	0.000033
12:27:37.196	-7	0	0.00003	0.00066	0.24	0.000023
12:27:38.196	-7	0	0.00007	0.00098	0.178	0.000017
12:27:39.196	-7	0	0.00005	0.00097	0.151	0.000015
12:27:40.196	-7	0	0.00006	0.00097	0.149	0.000015
12:27:41.196	-7	0	0.00006	0.00076	0.13	0.000013

69.2	4.00E-01	-0.500	0.500	0.000	0.395	5.900
69.2	4.00E-01	-0.500	0.500	0.000	0.405	8.500
69.1	4.00E-01	-0.500	0.500	0.000	0.417	7.300
66.5	4.00E-01	-0.500	0.500	0.000	0.423	4.900
66.4	4.00E-01	-0.500	0.400	0.000	0.353	7.800
63.3	3.00E-01	-0.600	0.400	0.000	0.338	4.100
63.3	4.00E-01	-0.700	0.500	0.000	0.394	10.100
62.1	4.00E-01	-0.700	0.500	0.000	0.392	12.000
62.1	5.00E-01	-0.600	0.600	0.000	0.456	13.000
63.1	5.00E-01	-0.400	0.600	0.000	0.468	8.200
63.1	5.00E-01	-0.200	0.600	0.000	0.470	5.600
64.6	5.00E-01	0.100	0.600	0.069	0.470	5.900
64.6	8.00E-01	0.500	0.600	0.371	0.468	4.400
65.7	8.00E-01	0.600	0.500	0.458	0.390	9.200
65.7	9.00E-01	0.700	0.500	0.551	0.394	6.400
66.7	1.00E+00	0.700	0.500	0.560	0.400	9.600
66.7	8.00E-01	0.500	0.500	0.430	0.407	8.400
66.3	6.00E-01	0.200	0.500	0.176	0.415	7.500
66.3	3.00E-01	-0.400	0.400	0.000	0.346	9.000
64.3	3.00E-01	-0.700	0.400	0.000	0.340	6.000
64.2	3.00E-01	-0.700	0.400	0.000	0.340	6.700
60.3	3.00E-01	-0.800	0.400	0.000	0.340	3.600
60	3.00E-01	-0.900	0.400	0.000	0.340	7.100
52	3.00E-01	-0.900	0.400	0.000	0.340	5.600
51.9	3.00E-01	-0.900	0.400	0.000	0.340	5.600
48.1	3.00E-01	-0.900	0.400	0.000	0.340	7.800
48	4.00E-01	-1.000	0.500	0.000	0.413	5.200
45.2	4.00E-01	-1.000	0.500	0.000	0.421	8.600
45.2	3.00E-01	-1.000	0.400	0.000	0.327	6.000
44.4	3.00E-01	-1.000	0.400	0.000	0.319	8.900
44.4	4.00E-01	-1.000	0.500	0.000	0.385	6.600
44.2	4.00E-01	-1.000	0.500	0.000	0.391	7.100
44.2	4.00E-01	-1.000	0.500	0.000	0.388	7.400
44	4.00E-01	-1.000	0.500	0.000	0.386	4.900
44	4.00E-01	-1.000	0.500	0.000	0.387	9.000
44.1	4.00E-01	-1.000	0.500	0.000	0.393	6.000
44.1	3.00E-01	-1.000	0.400	0.000	0.325	9.600
43	3.00E-01	-1.000	0.400	0.000	0.320	6.800
42.9	3.00E-01	-1.000	0.400	0.000	0.324	5.600
40.7	3.00E-01	-1.100	0.300	0.000	0.260	6.500
40.6	1.00E-01	-1.300	0.100	0.000	0.094	3.100
37.9	1.00E-01	-1.300	0.100	0.000	0.085	5.200
37.8	1.00E-01	-1.300	0.100	0.000	0.085	4.000
34.9	1.00E-01	-1.300	0.100	0.000	0.085	9.200
34.8	1.00E-01	-1.300	0.100	0.000	0.085	6.800
31	1.00E-01	-1.300	0.100	0.000	0.085	7.800
30.9	1.00E-01	-1.300	0.100	0.000	0.085	8.100

2195	68.31	41.5	365.4	403.280759
2447	67.036	20.2	364.86	391.508608
2604	64.921	6.7	364.6	364.69193
2459	63.445	0	364.10691	329.190242
2215	62.519	5.9	363.470701	293.688555
2004	61.974	33.4	363.1	283.808903
1976	61.481	83.4	362.897444	316.632644
1990	62.063	76.5	362.200409	349.456385
2018	62.671	78.4	360.573684	381.799148
2035	63.247	73.7	358.102733	402.290113
2060	64.014	74.2	356.513913	422.781077
2075	64.573	76.7	354.882364	441.835219
2092	65.108	79.4	351.428125	448.771246
2111	65.778	79	349.858242	455.707273
2117	65.83	52.9	348.036842	457.402558
2109	65.83	36.8	345.558593	425.803721
2090	65.392	29.9	344.999041	394.204884
2059	64.439	9	343.615243	362.606047
2024	63.343	0	341.71989	334.770869
1963	61.29	0	340.06908	308.579588
1852	57.842	0	339.073637	282.388307
1724	53.977	0	338.209333	265.597975
1631	50.9	0	337.612003	252.162393
1561	48.645	0	337.006091	238.72681
1501	46.668	0	335.662	229.557375
1454	45.273	4.8	334.267591	225.065499
1450	44.686	33.5	333.636671	220.573622
1510	44.09	63.2	333	225.8992
1459	44	68	332.73232	250.453046
1431	43.47	77	332.154909	275.006892
1448	43.47	75.4	331.518545	299.448095
1421	43.47	84.4	330.863793	322.721905
1404	43.47	79.2	329.57069	345.995714
1402	43.47	77.9	328.295273	369.269524
1462	43.175	64.8	327.441455	373.119011
1476	42.618	51	326.334074	369.711059
1371	41.901	35	324.709765	366.303107
1309	40.948	10.9	323.2094	351.828058
1263	39.58	0	321.968182	333.36283
1212	38.078	0	321.061602	314.897602
1239	36.812	0	320.419104	299.497059
1401	35.254	0	319.223265	288.712745
1353	33.911	0	317.383	277.928431
1268	31.78	0	316.562736	268.443203
1216	29.338	0	315.833122	261.490999
1382	26.361	1.2	315.108663	254.538796
1189	22.971	7.2	313.883196	248.054094

1.60171	0.19992	5.54752	6207.775
1.60176	0.20024	5.54752	6214.93
1.60181	0.20053	5.54752	6218.61
1.60187	0.20075	5.54828	6220.214
1.6019	0.20097	5.55042	6220.846
1.60192	0.20105	5.55441	6221.78
1.60196	0.20133	5.56513	6227.269
1.602	0.20172	5.57333	6236.805
1.60205	0.20218	5.57828	6248.3
1.60211	0.20249	5.5825	6260.259
1.60217	0.20269	5.58714	6271.174
1.60223	0.20289	5.59219	6281.364
1.60232	0.20303	5.59694	6291.673
1.60241	0.20333	5.60068	6301.985
1.6025	0.20351	5.603	6309.892
1.60257	0.20372	5.60413	6314.857
1.60262	0.20387	5.60496	6317.9
1.60265	0.204	5.60589	6319.739
1.60268	0.20427	5.60706	6321.317
1.60272	0.20446	5.60835	6322.163
1.60275	0.20466	5.60957	6322.627
1.60278	0.20476	5.61101	6322.95
1.60281	0.20494	5.61281	6323.208
1.60284	0.20508	5.61483	6323.417
1.60287	0.20521	5.61678	6323.593
1.6029	0.20539	5.6187	6323.754
1.60292	0.20546	5.61971	6323.902
1.60294	0.20557	5.62257	6324.597
1.60296	0.20565	5.62688	6326.827
1.60298	0.2058	5.631	6330.907
1.603	0.20591	5.63357	6335.687
1.60302	0.20604	5.6363	6341.327
1.60305	0.20619	5.63868	6348.026
1.60308	0.20629	5.64088	6355.008
1.6031	0.20645	5.64258	6361.12
1.60312	0.20654	5.64383	6365.41
1.60313	0.20665	5.64506	6368.299
1.60314	0.20671	5.64587	6370.27
1.60315	0.20675	5.64634	6371.596
1.60316	0.20679	5.64681	6372.439
1.60316	0.20681	5.64734	6372.916
1.60316	0.20685	5.64794	6373.255
1.60316	0.20688	5.6486	6373.495
1.60316	0.20695	5.64958	6373.673
1.60316	0.207	5.65055	6373.824
1.60316	0.20706	5.65152	6373.973
1.60316	0.20712	5.65228	6374.103

12:27:42.196	-7	0	0.00004	0.00055	0.12	0.000012
12:27:43.196	-7	0	0.00008	0.00052	0.142	0.000014
12:27:44.196	-7	0	0.00005	0.00059	0.197	0.000019
12:27:45.196	-7	0	0.00007	0.00095	0.276	0.000027
12:27:46.196	-7	0	0.00005	0.00109	0.379	0.000037
12:27:47.196	-7	0	0.00007	0.00139	0.597	0.000058
12:27:48.196	-7	0	0.00014	0.00417	1.957	0.00019
12:27:49.196	-7	0.00001	0.00024	0.01071	7.421	0.000719
12:27:50.196	-7	0.00004	0.00035	0.00457	9.633	0.000931
12:27:51.196	-7	0.00004	0.00025	0.00385	10.2	0.000985
12:27:52.196	-7	0.00005	0.00042	0.00497	12.441	0.001202
12:27:53.196	-7	0.00008	0.00036	0.00655	18.392	0.001776
12:27:54.196	-7	0.00035	0.00049	0.00653	19.052	0.00184
12:27:55.196	-7	0.00066	0.00031	0.00519	11.745	0.001135
12:27:56.196	-7	0.00062	0.00025	0.00373	8.177	0.00079
12:27:57.196	-7	0.00039	0.00019	0.00135	4.642	0.000449
12:27:58.196	-7	0.00022	0.00014	0.00174	3.229	0.000312
12:27:59.196	-7	0.00008	0.00015	0.0018	2.252	0.000218
12:28:00.196	-7	0.00005	0.00016	0.00258	2.907	0.000281
12:28:01.196	-7	0.00004	0.00064	0.00681	8.166	0.000789
12:28:02.196	-7	0.00004	0.00079	0.0058	11.701	0.001129
12:28:03.196	-7	0.00007	0.00049	0.00373	13.372	0.00129
12:28:04.196	-7	0.00012	0.00047	0.00449	11.99	0.001158
12:28:05.196	-7	0.00018	0.00023	0.00524	11.567	0.001117
12:28:06.196	-7	0.00017	0.00034	0.00398	9.507	0.000918
12:28:07.196	-7	0.00016	0.00017	0.00326	7.775	0.000751
12:28:08.196	-7	0.00014	0.00015	0.00284	6.438	0.000622
12:28:09.196	-7	0.00011	0.00015	0.00331	6.074	0.000587
12:28:10.196	-7	0.0001	0.00011	0.00312	6.015	0.000581
12:28:11.196	-7	0.00007	0.00014	0.00265	5.764	0.000557
12:28:12.196	-7	0.00007	0.0001	0.00238	5.602	0.000541
12:28:13.196	-7	0.00005	0.00017	0.00225	5.331	0.000515
12:28:14.196	-7	0.00003	0.00008	0.00197	4.48	0.000433
12:28:15.196	-7	0.00002	0.00009	0.00096	2.905	0.000281
12:28:16.196	-7	0.00001	0.00008	0.00082	2.191	0.000212
12:28:17.196	-7	0.00001	0.00006	0.00077	1.394	0.000135
12:28:18.196	-7	0.00001	0.00008	0.00114	1.49	0.000144
12:28:19.196	-7	0.00001	0.00006	0.00136	1.289	0.000125
12:28:20.196	-7	0.00001	0.00008	0.00125	0.913	0.000089
12:28:21.196	-7	0.00001	0.00006	0.00058	0.582	0.000056
12:28:22.196	-7	0.00001	0.00007	0.00059	0.393	0.000038
12:28:23.196	-7	0.00001	0.00005	0.00092	0.279	0.000027
12:28:24.196	-7	0.00001	0.00004	0.00143	0.239	0.000023
12:28:25.196	-7	0.00001	0.00007	0.00162	0.192	0.000019
12:28:26.196	-7	0.00001	0.00006	0.00056	0.16	0.000016
12:28:27.196	-7	0.00001	0.00008	0.00044	0.136	0.000013
12:28:28.196	-7	0.00001	0.00003	0.00048	0.138	0.000013

25.1	1.00E-01	-1.300	0.100	0.000	0.085	5.500
24.9	1.00E-01	-1.300	0.100	0.000	0.085	11.900
16.3	1.00E-01	-1.300	0.100	0.000	0.085	7.600
16.2	1.00E-01	-1.300	0.100	0.000	0.085	11.200
9.1	1.00E-01	-1.300	0.100	0.000	0.084	8.200
8.9	1.00E-01	-1.300	0.100	0.000	0.084	9.500
2.9	1.00E-01	-1.300	0.100	0.000	0.083	9.000
3	1.00E-01	-1.200	0.200	0.000	0.146	8.100
5.4	4.00E-01	-1.100	0.500	0.000	0.373	11.000
5.6	4.00E-01	-0.900	0.500	0.000	0.391	7.500
13.2	4.00E-01	-0.800	0.500	0.000	0.391	10.300
13.3	4.00E-01	-0.400	0.500	0.000	0.390	6.200
18.8	1.60E+00	1.600	0.500	1.255	0.392	7.700
18.9	5.00E+00	5.800	0.500	4.588	0.392	7.900
27.6	6.60E+00	7.900	0.500	6.187	0.393	8.700
27.7	6.40E+00	7.600	0.500	5.997	0.397	10.500
31.5	4.40E+00	5.000	0.500	4.026	0.402	9.000
31.5	2.30E+00	2.300	0.500	1.855	0.404	13.400
31.4	1.10E+00	0.900	0.500	0.713	0.402	12.000
31.4	4.00E-01	0.000	0.500	0.038	0.392	23.600
31.4	4.00E-01	0.000	0.500	0.000	0.387	23.100
31.5	5.00E-01	0.100	0.600	0.067	0.465	12.400
34.4	1.00E+00	0.700	0.600	0.512	0.468	12.500
34.5	1.50E+00	1.300	0.600	0.996	0.469	6.300
38	1.70E+00	1.700	0.500	1.322	0.391	11.000
38.1	1.90E+00	1.900	0.500	1.473	0.391	6.800
40.9	1.90E+00	1.900	0.500	1.491	0.392	7.100
40.9	1.70E+00	1.500	0.600	1.198	0.462	7.300
42	1.40E+00	1.200	0.600	0.964	0.470	5.700
42	1.20E+00	0.900	0.600	0.726	0.470	7.300
42.5	1.10E+00	0.800	0.600	0.635	0.470	5.300
42.5	9.00E-01	0.500	0.600	0.401	0.469	9.600
42.9	6.00E-01	0.200	0.600	0.168	0.471	5.200
42.9	5.00E-01	-0.300	0.600	0.000	0.474	8.800
42.6	5.00E-01	-0.600	0.600	0.000	0.480	8.300
42.6	5.00E-01	-0.700	0.600	0.000	0.486	7.500
42.1	5.00E-01	-0.800	0.600	0.000	0.489	9.300
42.1	5.00E-01	-0.800	0.600	0.000	0.490	7.600
41.4	5.00E-01	-0.900	0.600	0.000	0.495	11.500
41.4	5.00E-01	-0.900	0.600	0.000	0.501	8.500
39.9	5.00E-01	-0.900	0.600	0.000	0.506	10.400
39.7	5.00E-01	-1.100	0.600	0.000	0.508	7.200
33.6	5.00E-01	-1.100	0.600	0.000	0.510	4.800
33.5	5.00E-01	-1.100	0.600	0.000	0.511	7.600
29	5.00E-01	-1.100	0.600	0.000	0.511	7.700
28.9	5.00E-01	-1.100	0.600	0.000	0.511	11.400
22.4	5.00E-01	-1.100	0.600	0.000	0.511	5.400

1137	18.556	9.4	313.043017	245.097628
982	13.466	17.7	310.938378	242.141163
1055	9.608	18.8	310.245291	239.310115
881	7.375	20.2	309.6	239.56947
817	3.994	36.9	309.502778	239.828825
854	2.094	49.3	308.335084	245.322034
1241	3.256	75.9	306.924359	260.975075
1963	7.321	84.2	305.325495	276.628116
2220	11.256	72.3	303.295902	297.368135
2077	14.7	71.6	301.686016	328.389691
2187	17.513	82.8	299.420391	359.411246
2308	20.494	73.3	297.991182	389.664088
2586	24.938	69	297.4	414.772457
2498	28.361	75.6	297.467865	439.880827
1925	30.434	68.3	298.1	458.538365
1746	30.928	48.1	298.1	434.40375
1689	31.05	44.5	298.1	410.269135
1679	31.05	60	298.070727	386.430269
1677	31.05	80.2	297.434364	389.181968
1714	31.497	84.3	297.4	391.933668
1798	33.132	76.8	297.4	394.685367
1901	35.122	73.2	298.016788	412.589535
1996	36.959	73.7	299.493745	431.775581
2072	38.402	75.7	301.732398	450.961628
1959	39.48	75.8	303.709515	459.062218
1636	40.427	74.7	305.473555	455.249393
1655	40.985	76	307.619346	451.436568
1670	41.55	79.9	308.938217	447.640986
1687	41.61	74.8	309.575159	444.690284
1698	42.164	71	310.37166	441.739583
1707	42.23	69.8	311.280649	437.398853
1719	42.23	67.5	312.636767	428.6804
1695	42.23	50.3	314.153986	419.961947
1356	42.191	33.5	314.845914	409.744765
1389	41.657	41.9	315.4	393.138267
1336	41.029	41.5	315.4	376.531769
1323	40.99	0	315.4	360.121409
1300	40.99	0	315.4	344.88651
1277	40.408	0	315.4	329.651611
1227	38.343	0	315.4	315.379199
1347	34.864	0	315.4	306.049128
1285	32.045	0	315.4	296.719058
1532	29.719	0	315.4	287.388987
1486	27.139	0	315.994364	280.206275
1262	24.186	6	316.1	273.27817
1150	20.014	8	316.1	266.350065
1097	16.872	16.5	316.735636	263.381157

1.60316	0.20716	5.65283	6374.223
1.60316	0.20724	5.65335	6374.365
1.60316	0.20729	5.65394	6374.562
1.60316	0.20736	5.65489	6374.838
1.60316	0.20741	5.65598	6375.217
1.60316	0.20748	5.65737	6375.814
1.60316	0.20762	5.66154	6377.771
1.60317	0.20786	5.67225	6385.192
1.60321	0.20821	5.67682	6394.825
1.60325	0.20846	5.68067	6405.025
1.6033	0.20888	5.68564	6417.466
1.60338	0.20924	5.69219	6435.858
1.60373	0.20973	5.69872	6454.91
1.60439	0.21004	5.70391	6466.655
1.60501	0.21029	5.70764	6474.832
1.6054	0.21048	5.70899	6479.474
1.60562	0.21062	5.71073	6482.703
1.6057	0.21077	5.71253	6484.955
1.60575	0.21093	5.71511	6487.862
1.60579	0.21157	5.72192	6496.028
1.60583	0.21236	5.72772	6507.729
1.6059	0.21285	5.73145	6521.101
1.60602	0.21332	5.73594	6533.091
1.6062	0.21355	5.74118	6544.658
1.60637	0.21389	5.74516	6554.165
1.60653	0.21406	5.74842	6561.94
1.60667	0.21421	5.75126	6568.378
1.60678	0.21436	5.75457	6574.452
1.60688	0.21447	5.75769	6580.467
1.60695	0.21461	5.76034	6586.231
1.60702	0.21471	5.76272	6591.833
1.60707	0.21488	5.76497	6597.164
1.6071	0.21496	5.76694	6601.644
1.60712	0.21505	5.7679	6604.549
1.60713	0.21513	5.76872	6606.74
1.60714	0.21519	5.76949	6608.134
1.60715	0.21527	5.77063	6609.624
1.60716	0.21533	5.77199	6610.913
1.60717	0.21541	5.77324	6611.826
1.60718	0.21547	5.77382	6612.408
1.60719	0.21554	5.77441	6612.801
1.6072	0.21559	5.77533	6613.08
1.60721	0.21563	5.77676	6613.319
1.60722	0.2157	5.77838	6613.511
1.60723	0.21576	5.77894	6613.671
1.60724	0.21584	5.77938	6613.807
1.60725	0.21587	5.77986	6613.945

12:28:29.196	-7	0.00001	0.00004	0.00079	0.197	0.000019
12:28:30.196	-7	0.00002	0.00005	0.00199	0.495	0.000048
12:28:31.196	-7	0.00003	0.0001	0.0038	1.396	0.000136
12:28:32.196	-7	0.00004	0.0002	0.01015	5.119	0.000496
12:28:33.196	-7	0.00007	0.00025	0.00842	9.223	0.000892
12:28:34.196	-7	0.00008	0.00034	0.00489	9.773	0.000944
12:28:35.196	-7	0.00008	0.00013	0.00399	9.282	0.000897
12:28:36.196	-7	0.00007	0.0002	0.004	8.741	0.000844
12:28:37.196	-7	0.00005	0.00012	0.00235	5.798	0.00056
12:28:38.196	-7	0.00005	0.00014	0.00186	4.933	0.000477
12:28:39.196	-7	0.00005	0.00014	0.00293	5.045	0.000488
12:28:40.196	-7	0.00005	0.0001	0.00392	6.046	0.000584
12:28:41.196	-7	0.00005	0.00021	0.00365	7.225	0.000698
12:28:42.196	-7	0.00004	0.00012	0.0024	7.104	0.000686
12:28:43.196	-7	0.00004	0.00014	0.002	5.689	0.000549
12:28:44.196	-7	0.00003	0.00009	0.002	4.644	0.000449
12:28:45.196	-7	0.00003	0.00008	0.00128	4.004	0.000387
12:28:46.196	-7	0.00003	0.00012	0.00159	3.922	0.000379
12:28:47.196	-7	0.00003	0.00008	0.0015	3.645	0.000352
12:28:48.196	-7	0.00003	0.00012	0.00159	4.008	0.000387
12:28:49.196	-7	0.00004	0.00009	0.00246	5.595	0.00054
12:28:50.196	-7	0.00005	0.00027	0.00412	8.753	0.000845
12:28:51.196	-7	0.00006	0.00032	0.00317	10.581	0.00102
12:28:52.196	-7	0.00007	0.00025	0.00297	11.412	0.001101
12:28:53.196	-7	0.00006	0.00021	0.00233	8.522	0.000823
12:28:54.196	-7	0.00007	0.00007	0.0015	4.281	0.000414
12:28:55.196	-7	0.00006	0.00013	0.00179	3.189	0.000309
12:28:56.196	-7	0.00006	0.00009	0.00257	3.572	0.000346
12:28:57.196	-7	0.00006	0.00014	0.00301	4.451	0.00043
12:28:58.196	-7	0.00005	0.00008	0.0029	5.034	0.000486
12:28:59.196	-7	0.00005	0.00008	0.00269	5.313	0.000513
12:29:00.196	-7	0.00005	0.00009	0.00259	5.546	0.000536
12:29:01.196	-7	0.00005	0.00008	0.00263	5.651	0.000546
12:29:02.196	-7	0.00004	0.00014	0.00245	5.232	0.000505
12:29:03.196	-7	0.00003	0.00006	0.00206	4.711	0.000455
12:29:04.196	-7	0.00002	0.00012	0.00169	3.741	0.000361
12:29:05.196	-7	0.00002	0.0001	0.00187	3.429	0.000331
12:29:06.196	-7	0.00002	0.00012	0.0021	3.402	0.000329
12:29:07.196	-7	0.00002	0.00014	0.00202	3.861	0.000373
12:29:08.196	-7	0.00002	0.00013	0.00198	4.525	0.000437
12:29:09.196	-7	0.00002	0.00017	0.00224	4.873	0.000471
12:29:10.196	-7	0.00003	0.00009	0.00208	4.802	0.000464
12:29:11.196	-7	0.00003	0.00014	0.00194	4.545	0.000439
12:29:12.196	-7	0.00003	0.00011	0.00194	4.309	0.000416
12:29:13.196	-7	0.00002	0.00011	0.0019	3.733	0.000361
12:29:14.196	-7	0.00002	0.00014	0.00185	3.447	0.000333
12:29:15.196	-7	0.00002	0.00012	0.00193	3.149	0.000304

22.1	5.00E-01	-1.100	0.600	0.000	0.509	6.800
15	6.00E-01	-1.100	0.700	0.000	0.580	5.200
14.9	6.00E-01	-1.100	0.700	0.000	0.584	6.500
11.5	6.00E-01	-1.100	0.700	0.000	0.563	8.300
11.6	7.00E-01	-1.100	0.900	0.000	0.697	8.000
13.8	8.00E-01	-0.900	1.000	0.000	0.782	10.700
14	8.00E-01	-0.800	1.000	0.000	0.785	4.200
18	8.00E-01	-0.600	1.000	0.000	0.783	6.800
18.1	7.00E-01	-0.500	0.900	0.000	0.712	5.600
21.1	7.00E-01	-0.500	0.900	0.000	0.716	7.100
21.1	7.00E-01	-0.500	0.900	0.000	0.714	7.400
22.4	7.00E-01	-0.500	0.900	0.000	0.707	4.900
22.5	6.00E-01	-0.500	0.800	0.000	0.623	9.400
24.2	6.00E-01	-0.500	0.800	0.000	0.622	5.600
24.3	6.00E-01	-0.500	0.800	0.000	0.623	7.800
26.4	6.00E-01	-0.600	0.800	0.000	0.628	5.700
26.4	6.00E-01	-0.600	0.800	0.000	0.632	5.800
27.6	6.00E-01	-0.600	0.800	0.000	0.633	7.900
27.6	6.00E-01	-0.700	0.800	0.000	0.631	5.800
28.5	6.00E-01	-0.800	0.800	0.000	0.634	7.700
28.5	6.00E-01	-0.800	0.800	0.000	0.626	4.600
29.1	6.00E-01	-0.800	0.800	0.000	0.618	10.800
29.2	6.00E-01	-0.800	0.800	0.000	0.615	11.100
31.6	6.00E-01	-0.400	0.800	0.000	0.617	7.800
31.7	6.00E-01	0.000	0.800	0.000	0.625	7.500
35.1	1.20E+00	0.700	0.800	0.521	0.638	4.000
35.1	1.20E+00	0.800	0.700	0.644	0.564	8.500
35.8	1.20E+00	0.800	0.700	0.641	0.561	5.600
35.8	1.10E+00	0.700	0.700	0.554	0.554	8.400
36.5	9.00E-01	0.500	0.700	0.402	0.548	4.700
36.5	9.00E-01	0.400	0.700	0.321	0.547	5.000
37.5	9.00E-01	0.400	0.700	0.312	0.546	4.900
37.5	8.00E-01	0.300	0.700	0.234	0.546	4.600
38.8	7.00E-01	0.200	0.700	0.167	0.546	8.200
38.8	6.00E-01	0.100	0.700	0.089	0.548	3.600
39.2	6.00E-01	0.000	0.700	0.010	0.551	9.100
39.2	6.00E-01	-0.300	0.700	0.000	0.554	7.600
39.2	6.00E-01	-0.400	0.700	0.000	0.554	9.800
39.2	5.00E-01	-0.500	0.600	0.000	0.481	9.900
39.4	5.00E-01	-0.500	0.600	0.000	0.470	8.500
39.4	5.00E-01	-0.500	0.600	0.000	0.468	10.700
39.9	5.00E-01	-0.500	0.700	0.000	0.546	6.000
39.9	5.00E-01	-0.600	0.700	0.000	0.548	9.400
40.3	5.00E-01	-0.600	0.700	0.000	0.549	7.800
40.3	5.00E-01	-0.600	0.700	0.000	0.550	8.700
40.6	6.00E-01	-0.600	0.700	0.000	0.552	11.100
40.6	6.00E-01	-0.600	0.700	0.000	0.554	10.200

1099	14.489	12.9	316.9	261.200291
1260	12.417	26.6	316.9	259.019424
1555	11.473	67.5	317.176789	269.622699
1841	12.63	84.2	318.36773	299.806748
2067	14.473	77.6	320.35	329.990798
2101	16.166	64.3	322.03	358.112372
2015	17.778	75.7	325.307018	373.018829
2033	19.513	74.7	327.061404	387.925287
1822	20.777	58.4	329.11875	402.831744
1824	21.461	66.9	331.142674	404.133664
1882	22.254	74.3	332.032188	402.469431
1941	23.397	76.1	332.3	400.805197
1998	24.491	77.2	332.575295	401.154954
1918	25.469	74.4	333	404.576555
1537	26.601	77.2	333	407.998155
1576	26.7	64	333	410.952951
1578	27.151	59.6	333	401.037278
1568	27.7	66.9	332.454749	391.121605
1587	27.95	76.8	331.835262	381.205932
1595	28.205	83.4	331.193217	382.869696
1593	28.962	88.5	330.9	392.382609
1648	30.242	87.1	330.9	401.895521
1731	31.78	79.7	329.939401	411.225245
1819	33.519	72.9	329.4	420.397025
1817	34.925	58.7	329.4	429.568804
1620	35.4	45.4	329.196815	433.354683
1512	35.4	50.1	328.576997	423.082779
1468	35.4	75.3	328.017891	412.810876
1463	35.922	76.5	328	402.538973
1476	36.469	76.8	327.992447	407.39368
1497	37.022	77.1	327.363021	412.764599
1517	37.586	77.3	327.2	418.135519
1537	38.136	75.9	327.2	418.344121
1555	38.5	69.1	327.2	415.067942
1562	38.5	57.5	327.501796	411.791764
1563	38.602	55.2	328	407.465586
1567	39.093	64.3	328	401.017207
1569	39.12	65.5	328	394.568827
1574	39.12	68	328	391.405557
1584	39.21	71.8	328	394.676437
1596	39.74	65.6	328	397.947317
1600	39.74	62.1	328.291827	399.936645
1610	39.74	63.1	329.4	396.426829
1615	40.256	59.6	329.4	392.917014
1616	40.37	57	330.720163	389.407198
1616	39.984	55.9	330.9	385.742894
1615	39.74	61.2	330.9	382.046272

1.60726	0.21591	5.78065	6614.142
1.60728	0.21596	5.78264	6614.637
1.60731	0.21606	5.78644	6616.033
1.60735	0.21626	5.79659	6621.152
1.60742	0.21651	5.80501	6630.375
1.6075	0.21685	5.8099	6640.148
1.60758	0.21698	5.81389	6649.43
1.60765	0.21718	5.81789	6658.171
1.6077	0.2173	5.82024	6663.969
1.60775	0.21744	5.8221	6668.902
1.6078	0.21758	5.82503	6673.947
1.60785	0.21768	5.82895	6679.993
1.6079	0.21789	5.8326	6687.218
1.60794	0.21801	5.835	6694.322
1.60798	0.21815	5.837	6700.011
1.60801	0.21824	5.839	6704.655
1.60804	0.21832	5.84028	6708.659
1.60807	0.21844	5.84187	6712.581
1.6081	0.21852	5.84337	6716.226
1.60813	0.21864	5.84496	6720.234
1.60817	0.21873	5.84742	6725.829
1.60822	0.219	5.85154	6734.582
1.60828	0.21932	5.85471	6745.163
1.60835	0.21957	5.85768	6756.575
1.60841	0.21978	5.86001	6765.097
1.60848	0.21985	5.86151	6769.378
1.60854	0.21998	5.8633	6772.567
1.6086	0.22007	5.86587	6776.139
1.60866	0.22021	5.86888	6780.59
1.60871	0.22029	5.87178	6785.624
1.60876	0.22037	5.87447	6790.937
1.60881	0.22046	5.87706	6796.483
1.60886	0.22054	5.87969	6802.134
1.6089	0.22068	5.88214	6807.366
1.60893	0.22074	5.8842	6812.077
1.60895	0.22086	5.88589	6815.818
1.60897	0.22096	5.88776	6819.247
1.60899	0.22108	5.88986	6822.649
1.60901	0.22122	5.89188	6826.51
1.60903	0.22135	5.89386	6831.035
1.60905	0.22152	5.8961	6835.908
1.60908	0.22161	5.89818	6840.71
1.60911	0.22175	5.90012	6845.255
1.60914	0.22186	5.90206	6849.564
1.60916	0.22197	5.90396	6853.297
1.60918	0.22211	5.90581	6856.744
1.6092	0.22223	5.90774	6859.893

12:29:16.196	-7	0.00002	0.00019	0.00205	3.274	0.000317
12:29:17.196	-7	0.00002	0.00013	0.00176	3.223	0.000311
12:29:18.196	-7	0.00002	0.00019	0.00133	2.604	0.000252
12:29:19.196	-7	0.00002	0.00014	0.00114	2.228	0.000216
12:29:20.196	-7	0.00002	0.00015	0.00209	2.447	0.000237
12:29:21.196	-7	0.00002	0.00016	0.00211	2.806	0.000272
12:29:22.196	-7	0.00002	0.00013	0.0017	2.836	0.000274
12:29:23.196	-7	0.00002	0.00017	0.00141	2.637	0.000255
12:29:24.196	-7	0.00002	0.00013	0.00128	2.32	0.000224
12:29:25.196	-7	0.00002	0.00018	0.00101	1.825	0.000177
12:29:26.196	-7	0.00002	0.00013	0.00134	1.601	0.000155
12:29:27.196	-7	0.00002	0.00013	0.00104	1.22	0.000118
12:29:28.196	-7	0.00002	0.0001	0.00076	0.744	0.000072
12:29:29.196	-7	0.00002	0.00007	0.00073	0.451	0.000044
12:29:30.196	-7	0.00002	0.00007	0.00073	0.278	0.000027
12:29:31.196	-7	0.00002	0.00004	0.00077	0.197	0.000019
12:29:32.196	-7	0.00001	0.00005	0.00072	0.161	0.000016
12:29:33.196	-7	0.00001	0.00004	0.00076	0.149	0.000015
12:29:34.196	-7	0.00001	0.00004	0.00081	0.174	0.000017
12:29:35.196	-7	0.00001	0.00004	0.00094	0.248	0.000024
12:29:36.196	-7	0.00001	0.00003	0.00105	0.321	0.000031
12:29:37.196	-7	0.00001	0.00005	0.001	0.42	0.000041
12:29:38.196	-7	0.00001	0.00003	0.00134	0.522	0.000051
12:29:39.196	-7	0.00002	0.00005	0.00128	0.694	0.000067
12:29:40.196	-7	0.00001	0.00002	0.00131	0.842	0.000082
12:29:41.196	-7	0.00001	0.00005	0.00153	1.02	0.000099
12:29:42.196	-7	0.00001	0.00004	0.00162	1.181	0.000115
12:29:43.196	-7	0.00001	0.00003	0.00125	1.224	0.000119
12:29:44.196	-7	0.00001	0.00005	0.00124	1.201	0.000116
12:29:45.196	-7	0.00001	0.00003	0.00132	1.16	0.000112
12:29:46.196	-7	0.00001	0.00004	0.00134	1.138	0.00011
12:29:47.196	-7	0.00001	0.00003	0.00135	1.148	0.000111
12:29:48.196	-7	0.00001	0.00004	0.00135	1.149	0.000111
12:29:49.196	-7	0.00001	0.00004	0.00135	1.151	0.000112
12:29:50.196	-7	0.00001	0.00003	0.00136	1.156	0.000112
12:29:51.196	-7	0.00001	0.00005	0.00134	1.148	0.000111
12:29:52.196	-7	0.00001	0.00003	0.00135	1.16	0.000112
12:29:53.196	-7	0.00001	0.00005	0.00136	1.165	0.000113
12:29:54.196	-7	0.00001	0.00003	0.00136	1.17	0.000113
12:29:55.196	-7	0.00001	0.00004	0.00135	1.162	0.000113
12:29:56.196	-7	0.00001	0.00004	0.00136	1.167	0.000113
12:29:57.196	-7	0.00001	0.00004	0.00136	1.168	0.000113
12:29:58.196	-7	0.00001	0.00006	0.00148	1.28	0.000124
12:29:59.196	-7	0.00001	0.00004	0.00164	1.422	0.000138
12:30:00.196	-7	0.00002	0.00008	0.00242	2.19	0.000212
12:30:01.196	-7	0.00003	0.00004	0.00297	3.192	0.000309
12:30:02.196	-7	0.00003	0.00003	0.00336	4.012	0.000388

40.6	6.00E-01	-0.600	0.700	0.000	0.554	15.300
40.6	6.00E-01	-0.600	0.700	0.000	0.552	11.400
40.9	6.00E-01	-0.600	0.700	0.000	0.558	17.700
40.9	6.00E-01	-0.700	0.700	0.000	0.564	12.900
39.6	6.00E-01	-0.800	0.700	0.000	0.563	12.600
39.6	6.00E-01	-0.900	0.700	0.000	0.560	13.000
39.2	6.00E-01	-0.900	0.700	0.000	0.558	11.300
39.2	6.00E-01	-0.900	0.700	0.000	0.557	16.000
39	6.00E-01	-0.900	0.700	0.000	0.561	12.900
39	6.00E-01	-0.900	0.700	0.000	0.568	17.900
38.2	6.00E-01	-1.000	0.700	0.000	0.572	13.000
38.1	6.00E-01	-1.000	0.700	0.000	0.577	13.800
36.6	6.00E-01	-1.000	0.700	0.000	0.585	11.400
36.5	6.00E-01	-1.100	0.700	0.000	0.591	8.100
30.6	6.00E-01	-1.100	0.700	0.000	0.594	7.900
30.5	6.00E-01	-1.100	0.700	0.000	0.595	5.000
25	6.00E-01	-1.100	0.700	0.000	0.595	7.600
24.8	6.00E-01	-1.100	0.700	0.000	0.595	5.500
18.5	6.00E-01	-1.100	0.700	0.000	0.594	7.200
18.3	6.00E-01	-1.100	0.700	0.000	0.592	7.000
10.9	6.00E-01	-1.100	0.700	0.000	0.590	5.600
10.8	6.00E-01	-1.100	0.700	0.000	0.587	8.900
4.6	7.00E-01	-1.100	0.800	0.000	0.668	4.400
4.4	7.00E-01	-1.100	0.800	0.000	0.665	7.000
0	7.00E-01	-1.000	0.800	0.000	0.660	3.700
0	7.00E-01	-1.000	0.800	0.000	0.654	8.400
0	6.00E-01	-1.000	0.800	0.000	0.649	6.500
0	6.00E-01	-1.000	0.800	0.000	0.648	4.100
0	6.00E-01	-1.000	0.800	0.000	0.649	7.900
0	6.00E-01	-1.000	0.800	0.000	0.649	5.000
0	6.00E-01	-1.000	0.800	0.000	0.650	7.100
0	6.00E-01	-1.000	0.800	0.000	0.650	4.500
0	7.00E-01	-1.100	0.800	0.000	0.650	6.700
0	7.00E-01	-1.100	0.800	0.000	0.650	5.500
0	7.00E-01	-1.100	0.800	0.000	0.650	4.600
0	6.00E-01	-1.100	0.800	0.000	0.650	8.000
0	6.00E-01	-1.100	0.800	0.000	0.650	4.400
0	6.00E-01	-1.100	0.800	0.000	0.650	8.500
0	7.00E-01	-1.000	0.800	0.000	0.650	4.300
0	6.00E-01	-1.000	0.800	0.000	0.650	7.000
0	6.00E-01	-1.000	0.800	0.000	0.650	6.700
0	6.00E-01	-1.000	0.800	0.000	0.650	6.800
0	6.00E-01	-1.100	0.700	0.000	0.578	8.900
0	6.00E-01	-1.100	0.700	0.000	0.568	5.000
0.9	6.00E-01	-1.100	0.700	0.000	0.567	6.700
1	6.00E-01	-1.100	0.800	0.000	0.641	3.000
4.6	6.00E-01	-1.100	0.800	0.000	0.633	2.000

1612	39.74	47.9	331.417536	378.349649
1600	39.457	44.3	331.6	371.087541
1585	39.12	49.4	331.6	362.216047
1575	39.12	51.6	332.045664	353.344553
1572	39.12	52.7	332.3	349.110866
1567	38.938	54	332.3	347.683685
1552	38.5	46.3	332.708506	346.256503
1541	38.228	35.4	333	340.045714
1532	37.88	39.2	333	329.76
1512	37.671	26.8	333	319.474286
1478	36.828	0	333	308.690661
1407	35.054	0	333	297.128254
1290	31.664	0	333	285.565846
1508	28.849	0	333	274.078993
1397	25.901	0	333	266.960938
1272	23.369	0	333	259.842882
1126	20.408	16.6	333	253.436031
1082	16.302	18.4	333	251.509249
1085	12.761	26.1	333	249.582466
979	9.085	12.4	333	247.719403
830	5.853	34.7	333	248.563011
753	2.97	34	332.315233	249.406619
781	0.951	42.9	332.3	250.250227
888	0.62	52.3	332.3	255.991974
827	0.59	44.4	332.3	262.04083
776	0	42.8	332.3	266.616719
780	0	42.6	332.3	268.596606
781	0	42.3	332.3	270.576493
779	0	42.1	332.3	272.38232
778	0	43.1	332.44	273.395212
782	0	42	332.954182	274.408103
781	0	42.7	332.317818	275.420994
780	0	42.8	332.3	275.5
780	0	43	332.3	275.5
781	0	43.4	332.3	275.5
781	0	43	332.3	275.358262
781	0	43	332.3	275.16724
780	0	43.4	332.3	274.976218
779	0	43.4	332.3	274.50161
779	0	43.3	332.3	273.838731
778	0	43.2	332.3	273.175852
780	0	42.8	332.3	273.072083
801	0.175	44.3	332.3	273.700449
917	1.314	53.1	332.3	274.328815
1079	2.452	73.1	332.3	275.940247
1517	5.094	76.9	332.3	287.371533
1689	7.114	75.5	332.3	298.802818

1.60922	0.22242	5.90979	6863.167
1.60924	0.22255	5.91155	6866.39
1.60926	0.22274	5.91288	6868.994
1.60928	0.22288	5.91402	6871.222
1.6093	0.22303	5.91611	6873.669
1.60932	0.22319	5.91822	6876.475
1.60934	0.22332	5.91992	6879.311
1.60936	0.22349	5.92133	6881.948
1.60938	0.22362	5.92261	6884.268
1.6094	0.2238	5.92362	6886.093
1.60942	0.22393	5.92496	6887.694
1.60944	0.22406	5.926	6888.914
1.60946	0.22416	5.92676	6889.658
1.60948	0.22423	5.92749	6890.109
1.6095	0.2243	5.92822	6890.387
1.60952	0.22434	5.92899	6890.584
1.60953	0.22439	5.92971	6890.745
1.60954	0.22443	5.93047	6890.894
1.60955	0.22447	5.93128	6891.068
1.60956	0.22451	5.93222	6891.316
1.60957	0.22454	5.93327	6891.637
1.60958	0.22459	5.93427	6892.057
1.60959	0.22462	5.93561	6892.579
1.60961	0.22467	5.93689	6893.273
1.60962	0.22469	5.9382	6894.115
1.60963	0.22474	5.93973	6895.135
1.60964	0.22478	5.94135	6896.316
1.60965	0.22481	5.9426	6897.54
1.60966	0.22486	5.94384	6898.741
1.60967	0.22489	5.94516	6899.901
1.60968	0.22493	5.9465	6901.039
1.60969	0.22496	5.94785	6902.187
1.6097	0.225	5.9492	6903.336
1.60971	0.22504	5.95055	6904.487
1.60972	0.22507	5.95191	6905.643
1.60973	0.22512	5.95325	6906.791
1.60974	0.22515	5.9546	6907.951
1.60975	0.2252	5.95596	6909.116
1.60976	0.22523	5.95732	6910.286
1.60977	0.22527	5.95867	6911.448
1.60978	0.22531	5.96003	6912.615
1.60979	0.22535	5.96139	6913.783
1.6098	0.22541	5.96287	6915.063
1.60981	0.22545	5.96451	6916.485
1.60983	0.22553	5.96693	6918.675
1.60986	0.22557	5.9699	6921.867
1.60989	0.2256	5.97326	6925.879

12:30:03.196	-7	0.00005	0.00004	0.00414	6.859	0.000663
12:30:04.196	-7	0.00006	0.00011	0.00515	11.545	0.001115
12:30:05.196	-7	0.00033	0.00019	0.00657	19.263	0.001859
12:30:06.196	-7	0.00192	0.00006	0.00686	21.434	0.002069
12:30:07.196	-7	0.00469	0.00034	0.00952	22.576	0.00218
12:30:08.196	-7	0.00785	0.00004	0.01082	22.33	0.002157
12:30:09.196	-7	0.00873	0.00026	0.0104	19.571	0.00189
12:30:10.196	-7	0.00811	0.00013	0.00892	18.218	0.001759
12:30:11.196	-7	0.00653	0.00017	0.00711	17.868	0.001725
12:30:12.196	-7	0.00592	0.00021	0.00642	19.179	0.001851
12:30:13.196	-7	0.00533	0.00006	0.00669	17.83	0.001722
12:30:14.196	-7	0.00355	0.0003	0.00606	11.826	0.001143
12:30:15.196	-7	0.00264	0.00015	0.00607	9.2	0.00089
12:30:16.196	-7	0.00156	0.00018	0.00507	6.235	0.000603
12:30:17.196	-7	0.00082	0.0001	0.00383	4.28	0.000414
12:30:18.196	-7	0.00049	0.00009	0.00337	4.038	0.000391
12:30:19.196	-7	0.0003	0.00013	0.00351	4.455	0.000431
12:30:20.196	-7	0.00029	0.00039	0.00986	7.673	0.000742
12:30:21.196	-7	0.00023	0.00074	0.02998	9.43	0.000914
12:30:22.196	-7	0.0002	0.00039	0.0248	9.306	0.000901
12:30:23.196	-7	0.00019	0.00029	0.01153	7.93	0.000767
12:30:24.196	-7	0.00017	0.00018	0.00616	7.77	0.000751
12:30:25.196	-7	0.00017	0.00016	0.00465	7.651	0.000739
12:30:26.196	-7	0.00014	0.00019	0.00374	6.317	0.00061
12:30:27.196	-7	0.00012	0.00009	0.00224	4.97	0.00048
12:30:28.196	-7	0.0001	0.00016	0.00249	4.349	0.00042
12:30:29.196	-7	0.00007	0.0001	0.00285	4.053	0.000392
12:30:30.196	-7	0.00005	0.00015	0.0027	4.062	0.000393
12:30:31.196	-7	0.00004	0.00012	0.00255	4.455	0.00043
12:30:32.196	-7	0.00003	0.00017	0.00266	5.027	0.000485
12:30:33.196	-7	0.00003	0.00018	0.00231	5.5	0.000531
12:30:34.196	-7	0.00003	0.00014	0.00203	5.69	0.000549
12:30:35.196	-7	0.00003	0.00014	0.00202	5.585	0.000539
12:30:36.196	-7	0.00003	0.00008	0.00222	5.269	0.000509
12:30:37.196	-7	0.00003	0.00013	0.00247	5.251	0.000507
12:30:38.196	-7	0.00003	0.00009	0.00252	5.358	0.000517
12:30:39.196	-7	0.00003	0.00011	0.00246	5.239	0.000506
12:30:40.196	-7	0.00003	0.00013	0.00227	5.161	0.000498
12:30:41.196	-7	0.00003	0.00009	0.00233	5.28	0.00051
12:30:42.196	-7	0.00003	0.00013	0.00249	5.509	0.000532
12:30:43.196	-7	0.00003	0.00008	0.00221	5.45	0.000526
12:30:44.196	-7	0.00003	0.00014	0.00221	5.539	0.000535
12:30:45.196	-7	0.00003	0.0001	0.002	5.639	0.000544
12:30:46.196	-7	0.00002	0.00012	0.00213	5.755	0.000555
12:30:47.196	-7	0.00002	0.00016	0.00246	6.274	0.000606
12:30:48.196	-7	0.00003	0.00015	0.00336	8.272	0.000798
12:30:49.196	-7	0.00003	0.0003	0.00457	8.756	0.000844

4.7	6.00E-01	-1.100	0.800	0.000	0.627	1.700
8.7	5.00E-01	-0.900	0.700	0.000	0.545	3.200
8.8	1.70E+00	1.500	0.700	1.150	0.543	3.400
14.3	8.60E+00	10.300	0.700	8.008	0.546	0.900
14.4	1.94E+01	24.200	0.700	18.885	0.547	4.700
23	3.21E+01	40.300	0.700	31.541	0.548	0.600
23.2	4.10E+01	51.700	0.700	40.473	0.548	4.000
31.6	4.27E+01	54.100	0.700	42.142	0.545	2.200
31.8	3.65E+01	46.300	0.700	35.918	0.543	3.100
37.6	3.07E+01	38.900	0.700	30.197	0.543	3.700
37.7	2.75E+01	34.500	0.700	26.997	0.548	1.100
42.7	2.58E+01	32.000	0.700	25.211	0.551	7.300
42.8	2.33E+01	28.800	0.700	22.784	0.554	4.500
46	1.94E+01	23.800	0.700	18.860	0.556	7.600
46	1.43E+01	17.300	0.600	13.778	0.478	5.900
46.7	9.20E+00	11.000	0.600	8.721	0.477	5.700
46.7	5.60E+00	6.500	0.600	5.125	0.473	7.900
46.4	3.80E+00	4.300	0.700	3.297	0.532	17.200
46.4	2.70E+00	2.800	0.700	2.174	0.536	28.700
47	2.30E+00	2.300	0.700	1.778	0.538	15.000
47	2.30E+00	2.300	0.700	1.786	0.544	12.000
47.9	2.20E+00	2.100	0.700	1.640	0.544	7.400
47.9	2.20E+00	2.100	0.700	1.629	0.543	6.900
48.6	2.10E+00	2.000	0.700	1.569	0.546	9.400
48.6	2.10E+00	2.000	0.700	1.570	0.550	5.600
49.1	1.90E+00	1.700	0.700	1.353	0.553	10.200
49.1	1.30E+00	1.000	0.600	0.819	0.484	6.800
48.7	1.00E+00	0.600	0.600	0.503	0.473	10.500
48.7	7.00E-01	0.300	0.600	0.245	0.471	7.600
48.6	6.00E-01	0.200	0.600	0.156	0.468	10.400
48.6	6.00E-01	0.200	0.600	0.155	0.466	11.000
48.8	6.00E-01	0.100	0.600	0.088	0.465	8.300
48.8	5.00E-01	0.000	0.600	0.012	0.466	8.300
49.4	5.00E-01	0.000	0.600	0.000	0.467	4.900
49.4	5.00E-01	0.000	0.600	0.000	0.468	7.600
49.1	5.00E-01	0.000	0.600	0.000	0.468	5.500
49.1	5.00E-01	0.000	0.600	0.000	0.468	6.600
49	5.00E-01	-0.100	0.600	0.000	0.468	7.600
49	5.00E-01	-0.200	0.600	0.000	0.468	5.000
48.2	5.00E-01	-0.300	0.600	0.000	0.467	7.300
48.2	5.00E-01	-0.300	0.600	0.000	0.467	5.000
48.6	5.00E-01	-0.300	0.600	0.000	0.466	8.100
48.6	5.00E-01	-0.300	0.600	0.000	0.466	5.900
48.4	4.00E-01	-0.400	0.500	0.000	0.388	7.000
48.4	4.00E-01	-0.400	0.500	0.000	0.388	8.200
48.2	4.00E-01	-0.400	0.500	0.000	0.384	6.500
48.2	4.00E-01	-0.300	0.500	0.000	0.383	12.400

1736	8.963	69.3	332.980594	310.234104
1990	12.175	78.9	332.958758	341.613168
2360	16.026	75.8	332.401433	374.424708
2604	20.355	79.3	329.625341	407.236249
2756	24.829	78.4	326.279471	435.994997
2809	29.118	72	323.22148	462.8024
2669	32.844	69.6	320.937148	489.609803
2424	35.684	80.4	320	511.615958
2148	38.638	85.1	320.129304	516.297791
2219	40.838	81.7	320.888208	520.979624
2306	43.567	73.3	321.706261	522.146409
2003	45.031	68.1	323.252267	507.724719
1883	45.779	68.1	326.116229	493.303029
1822	45.95	65.2	327.05059	478.881338
1639	45.95	61	327.756364	466.957449
1476	45.95	65.4	328.431019	456.019442
1477	45.95	87.9	328.7	445.081435
1486	46.202	89.7	329.125923	449.754143
1498	46.79	78.3	330.375259	463.361286
1515	47.2	72.4	331.494146	476.968429
1529	47.583	75.2	332.8264	478.761764
1542	48.137	78.9	333.558406	478.237558
1554	48.44	78.1	334.68264	477.713352
1557	48.44	70.4	336.475479	470.518809
1555	48.44	60.8	338.239564	458.746143
1554	48.44	58.6	338.9	446.973478
1548	48.195	60	339.753105	439.786443
1543	47.82	60.8	340.3	435.21257
1546	47.82	71.4	340.758206	430.638697
1550	48.076	78.2	342.282998	430.848375
1556	48.44	77.3	343.611731	434.27375
1564	48.44	74.6	344.617324	437.699126
1568	48.77	69.2	344.9	436.62
1568	48.802	67.6	345.765394	433.933433
1564	48.44	68.9	347.346661	431.246866
1561	48.44	68.4	348.789913	429.200325
1559	48.44	67.5	349.451429	428.167572
1552	48.44	65.6	350.086941	427.134819
1546	47.888	74.5	350.729791	426.102066
1538	47.82	73	351.456403	428.391928
1539	47.82	74.6	352.281705	430.68845
1542	47.82	76.5	353.123564	432.90987
1541	47.82	74.8	354.693492	433.176626
1538	47.82	74.9	356.068378	433.443381
1530	47.82	77.7	356.167706	434.10423
1530	47.82	81.3	357.013466	444.741866
1536	47.82	78.4	357.650916	455.379502

1.60994	0.22564	5.9774	6932.738
1.61	0.22575	5.98255	6944.283
1.61033	0.22594	5.98912	6963.546
1.61225	0.226	5.99598	6984.98
1.61694	0.22634	6.0055	7007.556
1.62479	0.22638	6.01632	7029.886
1.63352	0.22664	6.02672	7049.457
1.64163	0.22677	6.03564	7067.675
1.64816	0.22694	6.04275	7085.543
1.65408	0.22715	6.04917	7104.722
1.65941	0.22721	6.05586	7122.552
1.66296	0.22751	6.06192	7134.378
1.6656	0.22766	6.06799	7143.578
1.66716	0.22784	6.07306	7149.813
1.66798	0.22794	6.07689	7154.093
1.66847	0.22803	6.08026	7158.131
1.66877	0.22816	6.08377	7162.586
1.66906	0.22855	6.09363	7170.259
1.66929	0.22929	6.12361	7179.689
1.66949	0.22968	6.14841	7188.995
1.66968	0.22997	6.15994	7196.925
1.66985	0.23015	6.1661	7204.695
1.67002	0.23031	6.17075	7212.346
1.67016	0.2305	6.17449	7218.663
1.67028	0.23059	6.17673	7223.633
1.67038	0.23075	6.17922	7227.982
1.67045	0.23085	6.18207	7232.035
1.6705	0.231	6.18477	7236.097
1.67054	0.23112	6.18732	7240.552
1.67057	0.23129	6.18998	7245.579
1.6706	0.23147	6.19229	7251.079
1.67063	0.23161	6.19432	7256.769
1.67066	0.23175	6.19634	7262.354
1.67069	0.23183	6.19856	7267.623
1.67072	0.23196	6.20103	7272.874
1.67075	0.23205	6.20355	7278.232
1.67078	0.23216	6.20601	7283.471
1.67081	0.23229	6.20828	7288.632
1.67084	0.23238	6.21061	7293.912
1.67087	0.23251	6.2131	7299.421
1.6709	0.23259	6.21531	7304.871
1.67093	0.23273	6.21752	7310.41
1.67096	0.23283	6.21952	7316.049
1.67098	0.23295	6.22165	7321.804
1.671	0.23311	6.22411	7328.078
1.67103	0.23326	6.22747	7336.35
1.67106	0.23356	6.23204	7345.106

12:30:50.196	-7	0.00003	0.00011	0.002	8.151	0.000786
12:30:51.196	-7	0.00003	0.00017	0.00217	6.939	0.00067
12:30:52.196	-7	0.00002	0.00008	0.00288	5.607	0.000542
12:30:53.196	-7	0.00002	0.0001	0.00342	5.027	0.000486
12:30:54.196	-7	0.00002	0.00012	0.0034	4.731	0.000457
12:30:55.196	-7	0.00002	0.00008	0.00323	4.788	0.000463
12:30:56.196	-7	0.00002	0.00008	0.0027	5.046	0.000487
12:30:57.196	-7	0.00002	0.00007	0.00202	5.328	0.000514
12:30:58.196	-7	0.00002	0.00013	0.00181	5.55	0.000536
12:30:59.196	-7	0.00002	0.0001	0.00185	5.664	0.000547
12:31:00.196	-7	0.00002	0.00011	0.00197	5.644	0.000545
12:31:01.196	-7	0.00002	0.00011	0.00221	5.458	0.000527
12:31:02.196	-7	0.00001	0.00007	0.00221	4.739	0.000458
12:31:03.196	-7	0.00001	0.00011	0.00187	3.698	0.000357
12:31:04.196	-7	0.00001	0.00005	0.00113	2.671	0.000258
12:31:05.196	-7	0.00001	0.00008	0.00063	1.684	0.000163
12:31:06.196	-7	0	0.00005	0.00043	0.842	0.000082
12:31:07.196	-7	0	0.00006	0.0003	0.454	0.000044
12:31:08.196	-7	0	0.00004	0.00054	0.308	0.00003
12:31:09.196	-7	0	0.00003	0.00079	0.244	0.000024
12:31:10.196	-7	0	0.00006	0.00102	0.232	0.000023
12:31:11.196	-7	0	0.00002	0.00099	0.192	0.000019
12:31:12.196	-7	0	0.00005	0.00082	0.167	0.000016
12:31:13.196	-7	0	0.00003	0.00076	0.172	0.000017
12:31:14.196	-7	0	0.00004	0.00062	0.205	0.00002
12:31:15.196	-7	0	0.00004	0.00093	0.257	0.000025
12:31:16.196	-7	0	0.00003	0.00121	0.342	0.000033
12:31:17.196	-7	0	0.00003	0.00124	0.456	0.000044
12:31:18.196	-7	0	0.00002	0.00112	0.535	0.000052
12:31:19.196	-7	0	0.00005	0.00118	0.661	0.000064
12:31:20.196	-7	0	0.00001	0.00147	0.754	0.000073
12:31:21.196	-7	0	0.00003	0.00169	0.878	0.000085
12:31:22.196	-7	0.00001	0.00003	0.00156	0.996	0.000097
12:31:23.196	-7	0.00001	0.00003	0.00128	1.061	0.000103
12:31:24.196	-7	0.00001	0.00003	0.00114	1.089	0.000106
12:31:25.196	-7	0.00001	0.00003	0.00124	1.106	0.000107
12:31:26.196	-7	0.00001	0.00005	0.00124	1.106	0.000107
12:31:27.196	-7	0.00001	0.00002	0.00124	1.111	0.000108
12:31:28.196	-7	0.00001	0.00004	0.00124	1.113	0.000108
12:31:29.196	-7	0.00001	0.00004	0.00129	1.123	0.000109
12:31:30.196	-7	0.00001	0.00003	0.00136	1.121	0.000109
12:31:31.196	-7	0.00001	0.00005	0.00136	1.122	0.000109
12:31:32.196	-7	0.00001	0.00002	0.00137	1.129	0.000109
12:31:33.196	-7	0.00001	0.00006	0.00137	1.135	0.00011
12:31:34.196	-7	0.00001	0.00002	0.00137	1.129	0.000109
12:31:35.196	-7	0.00001	0.00004	0.00136	1.123	0.000109
12:31:36.196	-7	0.00001	0.00003	0.00137	1.133	0.00011

48.1	4.00E-01	-0.300	0.500	0.000	0.386	4.600
48.1	4.00E-01	-0.200	0.500	0.000	0.389	7.700
48.3	3.00E-01	-0.100	0.400	0.000	0.314	4.100
48.3	3.00E-01	0.000	0.400	0.000	0.315	5.700
47.8	3.00E-01	0.000	0.400	0.000	0.315	7.500
47.8	3.00E-01	0.000	0.400	0.000	0.313	5.100
47.5	3.00E-01	0.000	0.400	0.000	0.311	5.300
47.5	3.00E-01	0.000	0.400	0.000	0.310	4.300
47.3	3.00E-01	-0.100	0.400	0.000	0.310	8.000
47.3	3.00E-01	-0.200	0.400	0.000	0.310	6.000
46.8	3.00E-01	-0.200	0.400	0.000	0.310	6.600
46.8	3.00E-01	-0.200	0.400	0.000	0.311	6.300
46.5	2.00E-01	-0.200	0.300	0.000	0.234	4.500
46.5	2.00E-01	-0.200	0.300	0.000	0.235	8.900
45.7	2.00E-01	-0.200	0.300	0.000	0.238	4.400
45.7	2.00E-01	-0.200	0.200	0.000	0.171	8.400
43.3	2.00E-01	-0.400	0.200	0.000	0.166	6.300
43.2	1.00E-01	-0.600	0.100	0.000	0.084	7.800
39.5	1.00E-01	-0.600	0.100	0.000	0.085	5.900
39.2	1.00E-01	-0.800	0.100	0.000	0.085	4.100
31.3	1.00E-01	-0.900	0.100	0.000	0.085	7.900
31.1	1.00E-01	-0.900	0.100	0.000	0.085	3.000
24.6	1.00E-01	-1.000	0.100	0.000	0.085	8.000
24.5	1.00E-01	-1.000	0.100	0.000	0.085	5.300
16.7	1.00E-01	-1.000	0.100	0.000	0.085	7.100
16.5	1.00E-01	-1.100	0.100	0.000	0.084	6.900
10	1.00E-01	-1.100	0.100	0.000	0.084	5.000
9.8	1.00E-01	-1.200	0.100	0.000	0.084	4.800
5.2	1.00E-01	-1.200	0.100	0.000	0.083	2.800
5.1	1.00E-01	-1.200	0.100	0.000	0.083	7.500
2.5	2.00E-01	-1.300	0.200	0.000	0.165	2.300
2.4	2.00E-01	-1.300	0.200	0.000	0.165	5.200
1	2.00E-01	-1.300	0.300	0.000	0.239	4.700
1	2.00E-01	-1.300	0.300	0.000	0.245	4.200
0	2.00E-01	-1.300	0.300	0.000	0.244	5.300
0	2.00E-01	-1.300	0.300	0.000	0.244	4.500
0	2.00E-01	-1.300	0.300	0.000	0.244	8.000
0	2.00E-01	-1.300	0.300	0.000	0.244	3.900
0	2.00E-01	-1.300	0.300	0.000	0.244	6.100
0	2.00E-01	-1.400	0.300	0.000	0.244	5.500
0	2.00E-01	-1.400	0.300	0.000	0.244	4.500
0	3.00E-01	-1.400	0.400	0.000	0.325	7.100
0	3.00E-01	-1.400	0.400	0.000	0.325	3.800
0	3.00E-01	-1.400	0.400	0.000	0.325	8.600
0	3.00E-01	-1.400	0.400	0.000	0.325	3.600
0	3.00E-01	-1.400	0.400	0.000	0.325	6.000
0	3.00E-01	-1.400	0.400	0.000	0.325	5.400

1535	47.82	73.3	358.312998	466.017138
1532	47.82	72.4	359.0952	461.093048
1523	47.508	68.9	360.31232	452.822146
1513	46.938	67.4	361.194986	444.551244
1507	46.58	71.1	361.5	440.538381
1504	46.58	76.4	361.5	441.028878
1502	46.58	79.3	361.5	441.519375
1496	46.525	77.3	361.5	441.795632
1492	46.026	77.3	361.4048	441.329703
1485	45.95	76.9	360.8448	440.863774
1479	45.95	73.6	360.8	440.397845
1471	45.95	70.2	360.8	432.526813
1460	45.696	61.5	360.8	422.687337
1434	44.869	30.8	360.8	412.84786
1394	43.597	1.3	360.048	398.194603
1349	42.057	0	358.900159	377.055172
1296	40.739	0	358.260645	355.915742
1189	36.752	0	357.603853	335.713923
1279	32.457	0	356.9	324.87791
1219	29.344	0	356.9	314.041897
1375	25.935	0	356.884713	303.205884
1241	22.489	7	356.156779	296.571046
1139	18.719	11.1	355.584093	290.017575
1057	14.881	16.8	354.8632	283.464105
1013	11.553	17.5	354.6	280.028794
954	8.561	17.2	353.818446	278.472374
811	5.849	27.4	353	276.915953
795	4.304	36.2	352.593007	277.201718
764	2.78	39	352.3	279.05675
793	1.86	40.2	351.814074	280.911783
781	1.356	40.9	351.5	283.33858
780	0.476	41.3	351.5	286.102619
781	0	40.6	351.266267	288.866657
779	0	40.1	350.7	291.182403
777	0	40.8	350.7	291.611588
780	0	41.1	350.7	292.040773
779	0	41.9	350.7	292.469957
779	0	41.1	350.7	292.5
780	0	42.1	350.7	292.5
781	0	41.5	350.7	292.5
780	0	41.3	350.27461	292.247387
779	0	41.7	350	291.838628
780	0	41.3	350	291.429869
778	0	41.7	350	290.898835
781	0	42.7	350	289.85653
779	0	42	350	288.814224
779	0	42	350	287.771919

1.67109	0.23367	6.23404	7353.257
1.67112	0.23384	6.23621	7360.196
1.67114	0.23392	6.23909	7365.803
1.67116	0.23402	6.24251	7370.83
1.67118	0.23414	6.24591	7375.561
1.6712	0.23422	6.24914	7380.349
1.67122	0.2343	6.25184	7385.395
1.67124	0.23437	6.25386	7390.723
1.67126	0.2345	6.25567	7396.273
1.67128	0.2346	6.25752	7401.937
1.6713	0.23471	6.25949	7407.581
1.67132	0.23482	6.2617	7413.039
1.67133	0.23489	6.26391	7417.778
1.67134	0.235	6.26578	7421.476
1.67135	0.23505	6.26691	7424.147
1.67136	0.23513	6.26754	7425.831
1.67136	0.23518	6.26797	7426.673
1.67136	0.23524	6.26827	7427.127
1.67136	0.23528	6.26881	7427.435
1.67136	0.23531	6.2696	7427.679
1.67136	0.23537	6.27062	7427.911
1.67136	0.23539	6.27161	7428.103
1.67136	0.23544	6.27243	7428.27
1.67136	0.23547	6.27319	7428.442
1.67136	0.23551	6.27381	7428.647
1.67136	0.23555	6.27474	7428.904
1.67136	0.23558	6.27595	7429.246
1.67136	0.23561	6.27719	7429.702
1.67136	0.23563	6.27831	7430.237
1.67136	0.23568	6.27949	7430.898
1.67136	0.23569	6.28096	7431.652
1.67136	0.23572	6.28265	7432.53
1.67137	0.23575	6.28421	7433.526
1.67138	0.23578	6.28549	7434.587
1.67139	0.23581	6.28663	7435.676
1.6714	0.23584	6.28787	7436.782
1.67141	0.23589	6.28911	7437.888
1.67142	0.23591	6.29035	7438.999
1.67143	0.23595	6.29159	7440.112
1.67144	0.23599	6.29288	7441.235
1.67145	0.23602	6.29424	7442.356
1.67146	0.23607	6.2956	7443.478
1.67147	0.23609	6.29697	7444.607
1.67148	0.23615	6.29834	7445.742
1.67149	0.23617	6.29971	7446.871
1.6715	0.23621	6.30107	7447.994
1.67151	0.23624	6.30244	7449.127

12:31:37.196	-7	0.00001	0.00003	0.00137	1.132	0.00011
12:31:38.196	-7	0.00001	0.00005	0.00136	1.132	0.00011
12:31:39.196	-7	0.00001	0.00002	0.00142	1.181	0.000114
12:31:40.196	-7	0.00001	0.00005	0.00157	1.245	0.000121
12:31:41.196	-7	0.00001	0.00003	0.00156	1.2	0.000116
12:31:42.196	-7	0.00001	0.00005	0.00162	1.312	0.000127
12:31:43.196	-7	0.00001	0.00004	0.00163	1.394	0.000135
12:31:44.196	-7	0.00001	0.00005	0.00133	1.341	0.00013
12:31:45.196	-7	0.00001	0.00005	0.00136	1.315	0.000127
12:31:46.196	-7	0.00001	0.00003	0.00131	1.329	0.000129
12:31:47.196	-7	0.00001	0.00006	0.00124	1.312	0.000127
12:31:48.196	-7	0.00001	0.00003	0.00128	1.253	0.000121
12:31:49.196	-7	0.00001	0.00005	0.00152	1.344	0.00013
12:31:50.196	-7	0.00002	0.00008	0.00344	3.05	0.000295
12:31:51.196	-7	0.00003	0.00011	0.0077	5.525	0.000535
12:31:52.196	-7	0.00003	0.00018	0.00595	6.656	0.000643
12:31:53.196	-7	0.00003	0.00009	0.0029	5.217	0.000504
12:31:54.196	-7	0.00003	0.00012	0.00192	4.119	0.000398
12:31:55.196	-7	0.00003	0.00006	0.0011	3.798	0.000367
12:31:56.196	-7	0.00004	0.00013	0.0054	5.526	0.000535
12:31:57.196	-7	0.00007	0.00017	0.008	9.775	0.000945
12:31:58.196	-7	0.0001	0.00022	0.00899	14.661	0.001416
12:31:59.196	-7	0.00059	0.00028	0.0106	19.034	0.001838
12:32:00.196	-7	0.00152	0.0001	0.01073	16.471	0.001591
12:32:01.196	-7	0.00158	0.00024	0.00932	13.753	0.001328
12:32:02.196	-7	0.00157	0.00011	0.00653	13.484	0.001302
12:32:03.196	-7	0.00119	0.00023	0.00658	12.359	0.001194
12:32:04.196	-7	0.00081	0.00007	0.00671	9.864	0.000953
12:32:05.196	-7	0.00053	0.00009	0.00548	7.717	0.000746
12:32:06.196	-7	0.00047	0.00014	0.00485	8.695	0.000839
12:32:07.196	-7	0.0004	0.00022	0.00408	10.244	0.000988
12:32:08.196	-7	0.00033	0.00029	0.00347	11.036	0.001064
12:32:09.196	-7	0.00033	0.00026	0.00319	11.642	0.001124
12:32:10.196	-7	0.00016	0.00024	0.00101	4.661	0.000451
12:32:11.196	-7	0.00007	0.00008	0.00103	1.401	0.000136
12:32:12.196	-7	0.00004	0.00008	0.0021	1.031	0.0001
12:32:13.196	-7	0.00002	0.00008	0.00254	1.325	0.000129
12:32:14.196	-7	0.00002	0.00008	0.00287	1.801	0.000175
12:32:15.196	-7	0.00002	0.00009	0.00259	2.05	0.000199
12:32:16.196	-7	0.00002	0.00007	0.00208	2.077	0.000201
12:32:17.196	-7	0.00002	0.0001	0.00157	1.919	0.000186
12:32:18.196	-7	0.00002	0.00008	0.00142	1.604	0.000155
12:32:19.196	-7	0.00002	0.00009	0.002	1.479	0.000143
12:32:20.196	-7	0.00002	0.00009	0.00233	1.444	0.00014
12:32:21.196	-7	0.00002	0.00009	0.00189	1.488	0.000144
12:32:22.196	-7	0.00002	0.00013	0.00177	1.591	0.000154
12:32:23.196	-7	0.00003	0.00011	0.00223	1.855	0.00018

0	3.00E-01	-1.400	0.400	0.000	0.325	5.000
0	3.00E-01	-1.300	0.400	0.000	0.325	7.900
0	3.00E-01	-1.300	0.400	0.000	0.325	3.700
0	3.00E-01	-1.300	0.400	0.000	0.325	7.300
0	3.00E-01	-1.300	0.400	0.000	0.325	4.500
0	3.00E-01	-1.300	0.400	0.000	0.324	7.600
0	3.00E-01	-1.300	0.400	0.000	0.323	5.200
0.8	3.00E-01	-1.300	0.400	0.000	0.323	6.800
0.8	3.00E-01	-1.300	0.400	0.000	0.323	7.100
1.7	4.00E-01	-1.300	0.500	0.000	0.393	5.100
1.7	4.00E-01	-1.300	0.500	0.000	0.403	9.300
1.6	4.00E-01	-1.300	0.500	0.000	0.404	4.600
1.6	4.00E-01	-1.300	0.500	0.000	0.405	6.800
1.2	4.00E-01	-1.300	0.500	0.000	0.403	5.300
1.3	5.00E-01	-1.300	0.600	0.000	0.467	5.100
4.8	5.00E-01	-0.900	0.600	0.000	0.469	8.300
5	5.00E-01	-0.500	0.700	0.000	0.547	5.000
11.3	6.00E-01	0.000	0.800	0.000	0.631	8.100
11.4	6.00E-01	0.000	0.800	0.000	0.638	3.600
13	6.00E-01	0.000	0.800	0.000	0.633	6.400
13.1	6.00E-01	0.000	0.800	0.000	0.625	5.300
16.9	7.00E-01	0.100	0.800	0.069	0.621	4.800
17.1	2.90E+00	3.000	0.800	2.311	0.624	4.600
24.1	8.30E+00	9.800	0.800	7.682	0.626	1.800
24.3	1.11E+01	13.500	0.800	10.470	0.622	5.600
31.5	1.12E+01	13.600	0.800	10.601	0.623	2.600
31.6	8.80E+00	10.500	0.800	8.200	0.625	5.700
37.1	7.20E+00	8.400	0.800	6.613	0.628	2.200
37.2	6.20E+00	7.200	0.800	5.609	0.625	3.500
40.5	5.50E+00	6.300	0.800	4.907	0.618	5.300
40.6	4.30E+00	4.800	0.800	3.697	0.614	7.800
43.2	3.20E+00	3.300	0.900	2.525	0.691	9.300
43.3	2.60E+00	2.500	0.900	1.914	0.703	7.000
45.8	2.20E+00	1.800	0.900	1.481	0.724	10.500
45.8	1.60E+00	1.100	0.800	0.945	0.674	6.200
46.3	1.20E+00	0.600	0.800	0.523	0.666	7.400
46.3	6.00E-01	0.100	0.700	0.046	0.578	7.400
45.9	6.00E-01	-0.400	0.700	0.000	0.570	7.000
45.9	6.00E-01	-0.700	0.800	0.000	0.635	8.700
45.6	7.00E-01	-0.700	0.900	0.000	0.713	7.500
45.6	7.00E-01	-0.700	0.900	0.000	0.725	11.100
45.1	7.00E-01	-0.800	0.900	0.000	0.732	8.800
45.1	7.00E-01	-0.800	0.900	0.000	0.735	9.200
44.8	7.00E-01	-0.800	0.900	0.000	0.736	9.900
44.8	7.00E-01	-0.900	0.900	0.000	0.726	9.100
44.2	7.00E-01	-1.000	0.900	0.000	0.735	13.100
44.2	7.00E-01	-1.000	0.900	0.000	0.732	9.900

782	0	41.7	350	287.337418
780	0	42.1	349.379904	286.947963
814	0	48.1	349.2	286.558508
853	0.233	48	349.2	286.4
845	0.489	42.3	349.2	286.4
824	0.131	44.2	349.2	286.4
942	0.725	49.3	349.2	286.332271
833	1.218	42.7	349.2	286.12949
779	1.24	41.6	349.2	285.926709
778	1.24	43.6	349.2	285.723928
778	1.24	44.2	348.503788	284.776724
781	0.849	44	348.5	283.729926
794	0.965	42.2	348.5	282.683128
1213	2.755	72	348.5	293.992538
1736	6.123	83.7	348.5	312.435028
1855	9.394	72.8	348.897152	330.877517
1575	11.182	56.4	349.2	337.685738
1490	12.119	53.2	349.2	335.5366
1685	13.21	73.8	348.798255	333.387463
1966	15.265	83.5	347.428974	346.093506
2208	18.086	75.2	345.780818	374.015584
2314	21.49	71.6	343.821038	401.937662
2627	25.409	70.9	339.825455	428.678366
2480	29.689	69.5	336.528704	445.455408
2181	32.684	80.7	332.860383	462.23245
1970	35.503	76.9	330.947814	479.009492
2042	37.455	71.8	328.609091	477.32963
1814	39.172	72.5	327.412919	474.366667
1687	40.884	86.4	326.67114	471.403704
1698	42.225	91.9	326.029056	474.83816
1748	43.449	86.4	325.268595	481.080116
1799	44.725	80.2	325	487.322072
1838	45.58	50.1	325	469.363085
1750	45.95	19.6	325	434.37686
1517	45.817	26.7	325.298117	399.390634
1499	45.33	39.6	325.533091	373.801005
1508	45.33	47.9	325	368.179146
1502	45.33	48.6	325	362.557286
1488	44.71	46.2	325	356.640693
1441	44.71	34.6	324.691978	348.851671
1438	44.71	36.7	323.6	341.062649
1436	44.226	38.5	323.6	333.273628
1434	44.09	37.7	323.6	327.921113
1429	44.09	37.5	323.6	322.916672
1454	43.82	44	323.6	317.91223
1477	43.47	50.2	323.6	316.409119
1466	43.47	55	324.240208	318.435461

1.67152	0.23627	6.30381	7450.259
1.67153	0.23632	6.30517	7451.391
1.67154	0.23634	6.30659	7452.572
1.67155	0.23639	6.30816	7453.817
1.67156	0.23642	6.30972	7455.017
1.67157	0.23647	6.31134	7456.329
1.67158	0.23651	6.31297	7457.723
1.67159	0.23656	6.3143	7459.064
1.6716	0.23661	6.31566	7460.379
1.67161	0.23664	6.31697	7461.708
1.67162	0.2367	6.31821	7463.02
1.67163	0.23673	6.31949	7464.273
1.67164	0.23678	6.32101	7465.617
1.67166	0.23686	6.32445	7468.667
1.67169	0.23697	6.33215	7474.192
1.67172	0.23715	6.3381	7480.848
1.67175	0.23724	6.341	7486.065
1.67178	0.23736	6.34292	7490.184
1.67181	0.23742	6.34402	7493.982
1.67185	0.23755	6.34942	7499.508
1.67192	0.23772	6.35742	7509.283
1.67202	0.23794	6.36641	7523.944
1.67261	0.23822	6.37701	7542.978
1.67413	0.23832	6.38774	7559.449
1.67571	0.23856	6.39706	7573.202
1.67728	0.23867	6.40359	7586.686
1.67847	0.2389	6.41017	7599.045
1.67928	0.23897	6.41688	7608.909
1.67981	0.23906	6.42236	7616.626
1.68028	0.2392	6.42721	7625.321
1.68068	0.23942	6.43129	7635.565
1.68101	0.23971	6.43476	7646.601
1.68134	0.23997	6.43795	7658.243
1.6815	0.24021	6.43896	7662.904
1.68157	0.24029	6.43999	7664.305
1.68161	0.24037	6.44209	7665.336
1.68163	0.24045	6.44463	7666.661
1.68165	0.24053	6.4475	7668.462
1.68167	0.24062	6.45009	7670.512
1.68169	0.24069	6.45217	7672.589
1.68171	0.24079	6.45374	7674.508
1.68173	0.24087	6.45516	7676.112
1.68175	0.24096	6.45716	7677.591
1.68177	0.24105	6.45949	7679.035
1.68179	0.24114	6.46138	7680.523
1.68181	0.24127	6.46315	7682.114
1.68184	0.24138	6.46538	7683.969

12:32:24.196	-7	0.00003	0.00018	0.0027	2.388	0.000231
12:32:25.196	-7	0.00003	0.00016	0.00206	3.211	0.000311
12:32:26.196	-7	0.00003	0.00016	0.00289	3.964	0.000383
12:32:27.196	-7	0.00004	0.00009	0.00276	4.567	0.000441
12:32:28.196	-7	0.00004	0.00006	0.00236	4.837	0.000467
12:32:29.196	-7	0.00004	0.00005	0.00215	4.971	0.00048
12:32:30.196	-7	0.00005	0.00002	0.00233	5.26	0.000508
12:32:31.196	-7	0.00005	0.00006	0.00263	5.841	0.000564
12:32:32.196	-7	0.00005	0.00001	0.00205	5.852	0.000565
12:32:33.196	-7	0.00004	0.00008	0.00221	5.755	0.000556
12:32:34.196	-7	0.00004	0.00009	0.00251	5.723	0.000553
12:32:35.196	-7	0.00004	0.00006	0.00263	5.624	0.000543
12:32:36.196	-7	0.00004	0.00013	0.00246	5.389	0.00052
12:32:37.196	-7	0.00004	0.00009	0.00212	4.87	0.00047
12:32:38.196	-7	0.00004	0.00013	0.00249	4.458	0.000431
12:32:39.196	-7	0.00003	0.00009	0.00204	4.153	0.000401
12:32:40.196	-7	0.00003	0.00012	0.00181	3.991	0.000386
12:32:41.196	-7	0.00003	0.0001	0.00175	3.846	0.000372
12:32:42.196	-7	0.00003	0.00007	0.00171	3.824	0.000369
12:32:43.196	-7	0.00003	0.00012	0.00163	3.736	0.000361
12:32:44.196	-7	0.00003	0.00007	0.00124	3.185	0.000308
12:32:45.196	-7	0.00002	0.00012	0.0007	2.383	0.00023
12:32:46.196	-7	0.00002	0.0001	0.00022	1.413	0.000137
12:32:47.196	-7	0.00002	0.0001	0.00033	0.693	0.000067
12:32:48.196	-7	0.00002	0.00006	0.0008	0.389	0.000038
12:32:49.196	-7	0.00002	0.00007	0.00091	0.326	0.000032
12:32:50.196	-7	0.00002	0.00009	0.00105	0.264	0.000026
12:32:51.196	-7	0.00002	0.00005	0.00111	0.207	0.00002
12:32:52.196	-7	0.00002	0.00006	0.00091	0.157	0.000015
12:32:53.196	-7	0.00001	0.00003	0.00079	0.148	0.000014
12:32:54.196	-7	0.00001	0.00005	0.00078	0.199	0.000019
12:32:55.196	-7	0.00002	0.00005	0.00116	0.411	0.00004
12:32:56.196	-7	0.00003	0.00008	0.00336	1.333	0.00013
12:32:57.196	-7	0.00004	0.00021	0.00627	3.477	0.000337
12:32:58.196	-7	0.00005	0.00027	0.00604	6.641	0.000642
12:32:59.196	-7	0.00008	0.00049	0.0042	8.971	0.000866
12:33:00.196	-7	0.00009	0.00039	0.00402	10.748	0.001037
12:33:01.196	-7	0.00011	0.00042	0.00446	13.161	0.00127
12:33:02.196	-7	0.00013	0.00028	0.0052	14.331	0.001384
12:33:03.196	-7	0.00012	0.00013	0.00569	11.474	0.001109
12:33:04.196	-7	0.0001	0.00007	0.00216	4.499	0.000435
12:33:05.196	-7	0.00005	0.00002	0.00078	1.444	0.00014
12:33:06.196	-7	0.00004	0.00006	0.00062	0.646	0.000063
12:33:07.196	-7	0.00003	0.00003	0.00068	0.373	0.000036
12:33:08.196	-7	0.00002	0.00006	0.00053	0.251	0.000024
12:33:09.196	-7	0.00003	0.0001	0.00177	0.839	0.000082
12:33:10.196	-7	0.00005	0.00032	0.00727	3.326	0.000323

44.2	7.00E-01	-1.000	0.900	0.000	0.726	15.200
44.2	7.00E-01	-1.100	0.900	0.000	0.717	11.800
44.2	7.00E-01	-1.100	0.900	0.000	0.710	11.000
44.2	7.00E-01	-1.100	0.900	0.000	0.705	5.900
44.2	8.00E-01	-1.200	1.000	0.000	0.773	3.700
44.2	8.00E-01	-1.200	1.000	0.000	0.782	3.300
44.2	8.00E-01	-1.200	1.000	0.000	0.782	1.000
44.2	8.00E-01	-1.200	1.000	0.000	0.776	3.500
44.5	8.00E-01	-1.200	1.000	0.000	0.775	0.500
44.5	7.00E-01	-1.200	0.900	0.000	0.710	4.400
44.9	7.00E-01	-1.100	0.900	0.000	0.700	4.900
44.9	7.00E-01	-1.100	0.900	0.000	0.701	3.200
45	7.00E-01	-1.100	0.900	0.000	0.701	7.900
45	7.00E-01	-1.100	0.900	0.000	0.703	5.300
45.5	7.00E-01	-1.100	0.900	0.000	0.706	8.700
45.5	7.00E-01	-1.100	0.900	0.000	0.707	6.600
45.7	7.00E-01	-1.100	0.900	0.000	0.707	8.400
45.7	7.00E-01	-1.100	0.900	0.000	0.707	7.200
45.7	7.00E-01	-1.100	0.900	0.000	0.706	5.200
45.7	7.00E-01	-1.100	0.900	0.000	0.705	9.800
45.7	7.00E-01	-1.100	0.900	0.000	0.706	6.400
45.7	7.00E-01	-1.100	0.900	0.000	0.715	12.800
44.8	7.00E-01	-1.100	0.900	0.000	0.734	11.000
44.7	7.00E-01	-1.200	0.800	0.000	0.680	11.400
37.9	7.00E-01	-1.300	0.800	0.000	0.675	7.800
37.7	7.00E-01	-1.500	0.800	0.000	0.677	7.200
31.8	7.00E-01	-1.600	0.800	0.000	0.678	9.600
31.7	7.00E-01	-1.600	0.800	0.000	0.679	6.300
25.4	7.00E-01	-1.600	0.800	0.000	0.680	8.600
25.2	7.00E-01	-1.500	0.800	0.000	0.680	5.300
15.9	7.00E-01	-1.500	0.800	0.000	0.678	8.200
15.8	7.00E-01	-1.400	0.800	0.000	0.674	6.600
12.2	7.00E-01	-1.400	0.800	0.000	0.664	6.500
12.2	6.00E-01	-1.400	0.800	0.000	0.645	11.900
12.7	7.00E-01	-1.300	0.900	0.000	0.693	12.300
12.8	8.00E-01	-1.200	1.100	0.000	0.844	17.600
15.3	9.00E-01	-1.200	1.100	0.000	0.852	12.200
15.4	9.00E-01	-1.100	1.100	0.000	0.854	10.400
19.1	9.00E-01	-0.900	1.100	0.000	0.859	5.900
19.3	9.00E-01	-0.200	1.100	0.000	0.867	3.100
23.9	1.50E+00	0.800	1.100	0.607	0.880	3.600
24	1.60E+00	1.000	1.000	0.811	0.831	2.400
25.8	1.50E+00	0.800	1.000	0.676	0.835	7.500
25.7	1.10E+00	0.300	1.000	0.284	0.842	4.600
22.7	8.00E-01	-0.200	0.900	0.000	0.768	9.800
22.6	8.00E-01	-0.700	0.900	0.000	0.756	7.900
17.5	7.00E-01	-0.800	0.900	0.000	0.737	14.300

1472	43.47	65.4	325	320.461803
1455	43.47	66.1	325	327.091397
1451	43.47	68	325.432588	337.6899
1450	43.47	71	326.081723	348.288404
1459	43.573	71.2	326.734605	358.422884
1463	44.065	72.3	327.370159	367.610979
1497	44.09	90.5	328.010182	376.799075
1438	44.09	83.1	329.282909	385.987171
1426	44.09	79.2	330.651838	391.818901
1428	44.372	79.1	331.355194	397.140215
1432	44.71	80.2	331.95932	402.46153
1439	44.71	79.1	332.3	404.841447
1445	44.728	74.3	332.516289	403.30636
1451	45.33	62	333	401.771272
1454	45.33	62.3	333	399.821836
1452	45.33	61.7	333	396.538444
1450	45.33	60.5	332.854194	393.255053
1451	45.33	61.2	332.3	389.765072
1457	45.33	60.8	332.270698	384.415796
1462	45.33	61.1	331.619535	379.06652
1452	44.832	8.3	331.6	373.717244
1378	42.73	0.4	330.982091	355.883202
1392	39.333	0	329.858134	336.992965
1398	35.704	0	328.943928	318.102729
1376	32.668	0	328.7	304.054545
1423	29.865	0	328.38024	292.924009
1488	27.305	0	327.765693	281.793473
1292	23.29	1	327.2	272.118835
1161	18.365	8.5	327.13083	268.571099
1019	14.218	23.3	326.57747	265.023363
1069	11.853	18.3	325.946691	261.475627
1275	11.18	40.2	325.8	268.050244
1547	11.585	71	325.356376	278.464373
1789	12.812	82.6	325	288.878502
1910	14.032	78.4	325	307.896055
1983	15.39	76.2	325.424052	337.819083
2021	17.455	76.7	325.8	367.74211
2122	19.751	74.4	326.035883	393.381592
2297	22.219	69.8	326.5	410.042866
2288	24.446	62	326.5	426.704141
1809	25.978	27.6	326.327223	431.369694
1398	25	2	325.645103	396.325271
1254	23.627	0	324.615066	361.280849
1093	20.29	1.8	323.6	331.614663
1117	17.627	13.3	323.404775	324.436748
1530	16.825	94.4	322.1	317.258834
1827	17.797	93.5	322.1	310.08092

1.68187	0.24156	6.46808	7686.357
1.6819	0.24172	6.47014	7689.568
1.68193	0.24188	6.47303	7693.532
1.68197	0.24197	6.47579	7698.099
1.68201	0.24203	6.47815	7702.936
1.68205	0.24208	6.4803	7707.907
1.6821	0.2421	6.48263	7713.167
1.68215	0.24216	6.48526	7719.008
1.6822	0.24217	6.48731	7724.86
1.68224	0.24225	6.48952	7730.615
1.68228	0.24234	6.49203	7736.338
1.68232	0.2424	6.49466	7741.962
1.68236	0.24253	6.49712	7747.351
1.6824	0.24262	6.49924	7752.221
1.68244	0.24275	6.50173	7756.679
1.68247	0.24284	6.50377	7760.832
1.6825	0.24296	6.50558	7764.823
1.68253	0.24306	6.50733	7768.669
1.68256	0.24313	6.50904	7772.493
1.68259	0.24325	6.51067	7776.229
1.68262	0.24332	6.51191	7779.414
1.68264	0.24344	6.51261	7781.797
1.68266	0.24354	6.51283	7783.21
1.68268	0.24364	6.51316	7783.903
1.6827	0.2437	6.51396	7784.292
1.68272	0.24377	6.51487	7784.618
1.68274	0.24386	6.51592	7784.882
1.68276	0.24391	6.51703	7785.089
1.68278	0.24397	6.51794	7785.246
1.68279	0.244	6.51873	7785.394
1.6828	0.24405	6.51951	7785.593
1.68282	0.2441	6.52067	7786.004
1.68285	0.24418	6.52403	7787.337
1.68289	0.24439	6.5303	7790.814
1.68294	0.24466	6.53634	7797.455
1.68302	0.24515	6.54054	7806.426
1.68311	0.24554	6.54456	7817.174
1.68322	0.24596	6.54902	7830.335
1.68335	0.24624	6.55422	7844.666
1.68347	0.24637	6.55991	7856.14
1.68357	0.24644	6.56207	7860.639
1.68362	0.24646	6.56285	7862.083
1.68366	0.24652	6.56347	7862.729
1.68369	0.24655	6.56415	7863.102
1.68371	0.24661	6.56468	7863.353
1.68374	0.24671	6.56645	7864.192
1.68379	0.24703	6.57372	7867.518

12:33:11.196	-7	0.00007	0.00105	0.01056	8.582	0.00083
12:33:12.196	-7	0.0001	0.0009	0.0069	10.663	0.00103
12:33:13.196	-7	0.00012	0.00056	0.00553	11.253	0.001087
12:33:14.196	-7	0.00012	0.00023	0.00588	10.427	0.001007
12:33:15.196	-7	0.00011	0.00021	0.00566	9.289	0.000898
12:33:16.196	-7	0.0001	0.00013	0.00494	8.791	0.000849
12:33:17.196	-7	0.00008	0.00012	0.004	8.301	0.000801
12:33:18.196	-7	0.00009	0.00033	0.00378	9.853	0.00095
12:33:19.196	-7	0.0001	0.00036	0.00276	10.698	0.001032
12:33:20.196	-7	0.0001	0.00036	0.0032	9.748	0.000941
12:33:21.196	-7	0.00009	0.00018	0.00215	7.397	0.000714
12:33:22.196	-7	0.00006	0.00015	0.00237	5.488	0.00053
12:33:23.196	-7	0.00006	0.00008	0.00275	4.475	0.000433
12:33:24.196	-7.3	0.00005	0.00007	0.00271	3.949	0.000382
12:33:25.196	-7.7	0.00004	0.0001	0.00267	3.583	0.000347
12:33:26.196	-7	0.00004	0.00007	0.00249	3.406	0.000329
12:33:27.196	-7	0.00004	0.00011	0.00228	3.465	0.000335
12:33:28.196	-7	0.00004	0.00005	0.00196	3.601	0.000348
12:33:29.196	-7.3	0.00004	0.00013	0.00172	3.7	0.000358
12:33:30.196	-8	0.00004	0.0001	0.0017	3.863	0.000373
12:33:31.196	-8	0.00004	0.00011	0.00151	3.973	0.000384
12:33:32.196	-8	0.00004	0.00013	0.00147	3.974	0.000384
12:33:33.196	-8	0.00003	0.0001	0.00118	3.627	0.00035
12:33:34.196	-8	0.00003	0.00014	0.00114	3.259	0.000315
12:33:35.196	-7.7	0.00003	0.00012	0.0014	2.848	0.000275
12:33:36.196	-7.3	0.00003	0.00017	0.0018	2.842	0.000275
12:33:37.196	-8	0.00002	0.00017	0.00181	2.951	0.000285
12:33:38.196	-8	0.00003	0.0002	0.00184	3.191	0.000308
12:33:39.196	-8	0.00003	0.00023	0.00234	3.771	0.000365
12:33:40.196	-8	0.00003	0.00016	0.00238	4.263	0.000412
12:33:41.196	-8	0.00003	0.00015	0.00196	4.365	0.000422
12:33:42.196	-8	0.00002	0.00009	0.00144	3.796	0.000367
12:33:43.196	-8	0.00002	0.00013	0.00135	3.237	0.000313
12:33:44.196	-8	0.00002	0.0001	0.00102	2.538	0.000245
12:33:45.196	-8	0.00002	0.00011	0.00066	1.936	0.000187
12:33:46.196	-8	0.00002	0.00012	0.00054	1.409	0.000136
12:33:47.196	-8	0.00001	0.00008	0.00092	1.003	0.000097
12:33:48.196	-8	0.00001	0.00011	0.00154	0.96	0.000093
12:33:49.196	-8	0.00001	0.00007	0.00153	0.842	0.000082
12:33:50.196	-8	0.00001	0.0001	0.00182	0.745	0.000072
12:33:51.196	-8	0.00001	0.00008	0.00137	0.604	0.000059
12:33:52.196	-8	0.00001	0.00008	0.00111	0.463	0.000045
12:33:53.196	-8	0.00001	0.00009	0.00112	0.441	0.000043
12:33:54.196	-8	0.00001	0.00008	0.00128	0.506	0.000049
12:33:55.196	-8	0.00001	0.00007	0.00175	0.789	0.000077
12:33:56.196	-8	0.00001	0.00006	0.00178	0.947	0.000092
12:33:57.196	-8	0.00001	0.00009	0.00128	0.843	0.000082

17.6	8.00E-01	-0.800	1.000	0.000	0.774	36.100
19.3	9.00E-01	-0.800	1.200	0.000	0.927	26.800
19.4	1.00E+00	-0.700	1.300	0.000	1.005	15.200
23.5	1.00E+00	-0.700	1.300	0.000	1.020	6.500
23.6	1.00E+00	-0.600	1.300	0.000	1.019	6.600
27.8	1.00E+00	-0.200	1.300	0.000	1.015	4.600
27.9	9.00E-01	0.000	1.200	0.000	0.931	4.700
31.6	1.00E+00	0.100	1.200	0.068	0.924	12.000
31.7	1.00E+00	0.100	1.200	0.077	0.924	12.000
34.9	1.00E+00	0.100	1.200	0.078	0.932	12.300
34.9	1.00E+00	0.100	1.200	0.079	0.942	7.000
37.5	9.00E-01	0.000	1.200	0.000	0.949	7.300
37.5	1.00E+00	0.000	1.200	0.000	0.952	4.800
38.4	1.00E+00	0.000	1.200	0.000	0.953	4.700
38.4	1.00E+00	-0.100	1.200	0.000	0.952	6.900
38.8	1.00E+00	-0.200	1.200	0.000	0.952	5.100
38.8	9.00E-01	-0.400	1.200	0.000	0.949	8.100
38.9	9.00E-01	-0.400	1.200	0.000	0.947	4.000
38.9	9.00E-01	-0.500	1.200	0.000	0.944	9.700
39.2	9.00E-01	-0.500	1.200	0.000	0.941	7.700
39.2	9.00E-01	-0.500	1.100	0.000	0.871	8.200
39.4	9.00E-01	-0.500	1.100	0.000	0.860	10.000
39.4	9.00E-01	-0.600	1.100	0.000	0.859	8.700
39.7	8.00E-01	-0.800	1.000	0.000	0.783	12.500
39.7	8.00E-01	-0.900	1.000	0.000	0.789	11.700
39.4	7.00E-01	-1.000	0.900	0.000	0.711	16.000
39.4	6.00E-01	-1.000	0.800	0.000	0.640	16.000
38.8	6.00E-01	-1.000	0.800	0.000	0.632	17.000
38.8	6.00E-01	-1.000	0.800	0.000	0.632	16.000
38.6	6.00E-01	-1.100	0.800	0.000	0.628	10.400
38.6	5.00E-01	-1.100	0.700	0.000	0.547	10.300
38.9	5.00E-01	-1.100	0.700	0.000	0.548	6.700
38.9	6.00E-01	-1.100	0.700	0.000	0.552	10.800
39.1	6.00E-01	-1.100	0.700	0.000	0.557	9.400
39.1	5.00E-01	-1.100	0.600	0.000	0.492	11.600
37.9	5.00E-01	-1.100	0.600	0.000	0.490	12.800
37.9	5.00E-01	-1.100	0.600	0.000	0.496	8.800
36.9	4.00E-01	-1.100	0.500	0.000	0.414	12.300
36.9	4.00E-01	-1.100	0.500	0.000	0.415	7.600
35.4	4.00E-01	-1.200	0.500	0.000	0.416	11.900
35.4	4.00E-01	-1.200	0.500	0.000	0.418	9.000
34.1	4.00E-01	-1.200	0.500	0.000	0.420	9.700
34.1	4.00E-01	-1.200	0.500	0.000	0.421	10.200
32.9	3.00E-01	-1.200	0.400	0.000	0.336	9.400
32.9	3.00E-01	-1.200	0.400	0.000	0.332	9.300
32.1	3.00E-01	-1.200	0.400	0.000	0.330	8.000
32	3.00E-01	-1.100	0.400	0.000	0.330	12.600

1987	19.75	80.1	321.4189	338.843284
2084	21.971	73.5	321.940556	370.186567
2137	24.24	71.2	321.643784	401.529851
2043	26.461	66.7	321.4	420.39056
1824	28.527	67.4	321.4	430.322909
1696	30.336	77.8	321.4	440.255258
1740	32.011	83.9	321.4	450.262258
1828	33.624	87.4	321.4	460.420137
1907	35.324	78.1	321.4	470.578016
1982	36.477	68.1	321.4	480.735895
1716	37.097	66.8	321.4	465.777605
1564	37.655	62.5	321.4	450.148862
1535	38.223	60	321.4	434.52012
1539	38.5	56	321.4	424.183867
1542	38.5	53.4	321.4	416.9029
1548	38.5	55.7	321.4	409.621934
1555	38.5	58.3	321.4	403.949768
1557	38.5	59.2	321.4	401.634239
1558	38.5	60.9	321.4	399.318709
1563	38.5	64.7	321.4	397.063677
1572	39.012	65.1	321.4	395.459875
1578	39.12	64.5	321.4	393.856074
1576	39.12	57.4	321.4	392.252272
1568	38.825	58.1	321.4	388.024732
1559	38.5	61.8	321.797863	382.766699
1550	38.5	55.8	322.1	377.508666
1542	38.224	49.6	322.1	373.177947
1538	37.88	57.3	322.1	369.375665
1540	38.174	67.6	322.666038	365.573384
1549	38.5	64.7	323.042914	366.301961
1556	38.5	56.9	324.724259	368.589542
1557	38.5	51.4	325	370.877124
1554	38.5	28	325.996818	362.133167
1535	37.967	13.4	326.5	348.292768
1504	37.002	22.6	326.5	334.452369
1480	36.464	28.7	326.830273	322.384766
1456	35.959	27.6	327.2	312.26873
1430	35.345	24	327.2	302.152693
1397	34.787	2.2	327.2	292.363093
1364	33.707	0.2	327.2	285.08564
1346	33.53	8.1	327.2	277.808187
1322	32.966	17.2	327.2	270.782733
1316	32.427	45	327.2	270.316067
1276	31.725	24.6	327.2	269.8494
1263	31.1	12.6	327.268444	269.166965
1208	29.975	0.7	328	262.868725
1152	27.357	0	328	256.570485

1.68386	0.24808	6.58428	7876.1
1.68396	0.24898	6.59118	7886.763
1.68408	0.24954	6.59671	7898.016
1.6842	0.24977	6.60259	7908.443
1.68431	0.24998	6.60825	7917.732
1.68441	0.25011	6.61319	7926.523
1.68449	0.25023	6.61719	7934.824
1.68458	0.25056	6.62097	7944.677
1.68468	0.25092	6.62373	7955.375
1.68478	0.25128	6.62693	7965.123
1.68487	0.25146	6.62908	7972.52
1.68493	0.25161	6.63145	7978.008
1.68499	0.25169	6.6342	7982.483
1.68504	0.25176	6.63691	7986.432
1.68508	0.25186	6.63958	7990.015
1.68512	0.25193	6.64207	7993.421
1.68516	0.25204	6.64435	7996.886
1.6852	0.25209	6.64631	8000.487
1.68524	0.25222	6.64803	8004.187
1.68528	0.25232	6.64973	8008.05
1.68532	0.25243	6.65124	8012.023
1.68536	0.25256	6.65271	8015.997
1.68539	0.25266	6.65389	8019.624
1.68542	0.2528	6.65503	8022.883
1.68545	0.25292	6.65643	8025.731
1.68548	0.25309	6.65823	8028.573
1.6855	0.25326	6.66004	8031.524
1.68553	0.25346	6.66188	8034.715
1.68556	0.25369	6.66422	8038.486
1.68559	0.25385	6.6666	8042.749
1.68562	0.254	6.66856	8047.114
1.68564	0.25409	6.67	8050.91
1.68566	0.25422	6.67135	8054.147
1.68568	0.25432	6.67237	8056.685
1.6857	0.25443	6.67303	8058.621
1.68572	0.25455	6.67357	8060.03
1.68573	0.25463	6.67449	8061.033
1.68574	0.25474	6.67603	8061.993
1.68575	0.25481	6.67756	8062.835
1.68576	0.25491	6.67938	8063.58
1.68577	0.25499	6.68075	8064.184
1.68578	0.25507	6.68186	8064.647
1.68579	0.25516	6.68298	8065.088
1.6858	0.25524	6.68426	8065.594
1.68581	0.25531	6.68601	8066.383
1.68582	0.25537	6.68779	8067.33
1.68583	0.25546	6.68907	8068.173

12:33:58.196	-8	0.00001	0.00007	0.00092	0.623	0.00006
12:33:59.196	-8	0.00001	0.00008	0.00068	0.37	0.000036
12:34:00.196	-8	0.00001	0.00006	0.00058	0.231	0.000022
12:34:01.196	-8	0.00001	0.00004	0.00065	0.181	0.000018
12:34:02.196	-8	0.00001	0.00005	0.00112	0.204	0.00002
12:34:03.196	-8	0	0.00004	0.00102	0.261	0.000025
12:34:04.196	-8	0.00001	0.00007	0.00101	0.329	0.000032
12:34:05.196	-8	0.00001	0.00005	0.00101	0.415	0.00004
12:34:06.196	-8	0.00001	0.00006	0.00094	0.463	0.000045
12:34:07.196	-8	0.00001	0.00005	0.00138	0.56	0.000054
12:34:08.196	-8	0.00001	0.00003	0.00173	0.674	0.000065
12:34:09.196	-8	0.00001	0.00005	0.00151	0.786	0.000076
12:34:10.196	-8	0.00001	0.00003	0.0013	0.9	0.000087
12:34:11.196	-8	0.00001	0.00005	0.00134	1.022	0.000099
12:34:12.196	-8	0.00001	0.00003	0.00147	1.075	0.000104
12:34:13.196	-8	0.00001	0.00005	0.00136	1.092	0.000106
12:34:14.196	-8	0.00001	0.00005	0.00125	1.112	0.000108
12:34:15.196	-8	0.00001	0.00005	0.00122	1.125	0.000109
12:34:16.196	-8	0.00001	0.00008	0.00119	1.183	0.000115
12:34:17.196	-8	0.00001	0.00004	0.0013	1.363	0.000132
12:34:18.196	-8	0.00002	0.00011	0.00211	2.358	0.000228
12:34:19.196	-8	0.00002	0.0001	0.00245	3.921	0.000379
12:34:20.196	-8	0.00002	0.00013	0.00321	4.588	0.000443
12:34:21.196	-8	0.00003	0.00018	0.00332	5.978	0.000577
12:34:22.196	-8	0.00005	0.00025	0.00493	10.479	0.001012
12:34:23.196	-8	0.00008	0.0005	0.00666	16.534	0.001596
12:34:24.196	-8	0.00013	0.00031	0.00726	20.35	0.001964
12:34:25.196	-8	0.00093	0.00039	0.00919	21.914	0.002116
12:34:26.196	-8	0.00257	0.00019	0.01179	24.265	0.002344
12:34:27.196	-8	0.00409	0.00028	0.01099	20.471	0.001977
12:34:28.196	-8	0.00441	0.00023	0.0094	18.653	0.001801
12:34:29.196	-8	0.00382	0.00017	0.00753	17.145	0.001655
12:34:30.196	-8	0.00301	0.00032	0.00707	16.692	0.001612
12:34:31.196	-8	0.00189	0.0001	0.00659	13.05	0.001261
12:34:32.196	-8	0.00118	0.0002	0.00659	10.25	0.000991
12:34:33.196	-8	0.00078	0.00006	0.00559	8.206	0.000793
12:34:34.196	-8	0.00053	0.00012	0.0046	6.853	0.000662
12:34:35.196	-8	0.00035	0.00009	0.00376	6.374	0.000616
12:34:36.196	-8	0.00023	0.00013	0.00298	6.468	0.000625
12:34:37.196	-8	0.00013	0.00018	0.0025	6.368	0.000615
12:34:38.196	-8	0.0001	0.00025	0.00242	7.478	0.000721
12:34:39.196	-8	0.00007	0.00036	0.00176	7.417	0.000715
12:34:40.196	-8	0.00005	0.00016	0.00171	7.009	0.000676
12:34:41.196	-8	0.00004	0.00017	0.00217	6.637	0.000641
12:34:42.196	-8	0.00004	0.00011	0.00269	6.7	0.000647
12:34:43.196	-8	0.00003	0.00011	0.00272	6.833	0.000659
12:34:44.196	-8	0.00003	0.00012	0.00267	6.744	0.000651

29.2	3.00E-01	-1.100	0.400	0.000	0.333	9.900	1257	24.512	0	328	250.272245
29	3.00E-01	-1.100	0.400	0.000	0.337	10.800	1193	21.783	7.2	328	246.385816
23.6	3.00E-01	-1.200	0.400	0.000	0.338	8.500	1140	19.067	11.8	328	243.109895
23.5	3.00E-01	-1.300	0.400	0.000	0.339	6.000	1082	15.881	18.9	328	239.833975
17.7	3.00E-01	-1.300	0.300	0.000	0.264	9.000	1101	12.596	12.4	328	238.820416
17.5	3.00E-01	-1.300	0.300	0.000	0.253	7.000	1028	9.865	14.5	328	238.247437
11.2	3.00E-01	-1.300	0.400	0.000	0.336	11.400	872	7.282	29	328	237.674457
11	3.00E-01	-1.400	0.400	0.000	0.335	8.000	779	4.802	35.1	328	238.550378
6.2	3.00E-01	-1.400	0.400	0.000	0.334	9.100	765	3.026	32.3	328	240.758396
6.1	3.00E-01	-1.400	0.400	0.000	0.333	8.200	770	2.412	42	328	242.966415
3.3	3.00E-01	-1.400	0.400	0.000	0.331	4.900	795	1.284	41.9	328.077566	245.306397
3.2	3.00E-01	-1.400	0.400	0.000	0.330	7.900	783	0.294	41	328.7	249.184834
0	3.00E-01	-1.400	0.400	0.000	0.328	4.400	779	0	41.1	328.7	253.063271
0	4.00E-01	-1.400	0.500	0.000	0.398	7.800	775	0	42.4	328.7	256.941708
0	4.00E-01	-1.400	0.500	0.000	0.407	4.500	774	0	42.7	328.7	259.538278
0	4.00E-01	-1.300	0.500	0.000	0.406	8.100	777	0	42.7	328.7	261.36244
0	4.00E-01	-1.300	0.500	0.000	0.406	7.300	779	0	43.1	328.967609	263.186603
0	4.00E-01	-1.300	0.500	0.000	0.405	7.400	781	0	43.3	329.4	264.897221
0	4.00E-01	-1.300	0.500	0.000	0.405	12.300	781	0	43.9	329.4	266.315866
0	4.00E-01	-1.300	0.500	0.000	0.405	5.400	912	0.513	47.1	329.4	267.734511
0	4.00E-01	-1.300	0.500	0.000	0.404	9.100	1169	2.456	82.7	329.4	269.153156
0.1	4.00E-01	-1.300	0.500	0.000	0.398	6.200	1456	5.39	68.3	329.4	282.27916
4.6	4.00E-01	-1.300	0.500	0.000	0.393	8.100	1684	7.457	60.1	330.929976	297.871364
4.7	5.00E-01	-1.300	0.600	0.000	0.469	9.200	1758	9.124	71.1	331.996432	313.463568
8.4	5.00E-01	-1.300	0.600	0.000	0.467	7.500	1908	11.948	76.9	332.3	337.532202
8.5	5.00E-01	-0.900	0.600	0.000	0.464	10.000	2280	15.576	71	332.01188	370.38801
14.3	6.00E-01	0.200	0.600	0.157	0.466	5.000	2506	19.283	71.4	330.328	403.243818
14.5	4.00E+00	4.500	0.600	3.501	0.467	5.500	2692	24.318	74.4	326.712489	434.425404
22.6	9.60E+00	11.700	0.600	9.156	0.469	2.400	2882	28.747	75.7	323.209818	461.301848
22.9	1.81E+01	22.600	0.600	17.664	0.469	4.200	2772	32.747	66.2	321.467933	488.178291
31.4	2.22E+01	27.900	0.600	21.763	0.467	3.800	2530	35.797	79.3	321.4	515.054734
31.6	2.16E+01	27.200	0.600	21.131	0.466	3.200	2260	38.5	79.3	321.4	517.531725
37.6	1.71E+01	21.300	0.600	16.596	0.467	6.000	2213	40.675	75.6	321.4	514.506878
37.7	1.30E+01	15.900	0.700	12.408	0.548	2.300	2224	42.12	70.2	322.172	511.189157
42.2	9.80E+00	11.800	0.700	9.236	0.550	5.400	1799	43.308	65.8	323.204323	500.654711
42.3	7.90E+00	9.300	0.700	7.342	0.551	1.900	1782	43.961	73.3	324.885669	490.120266
44.3	6.50E+00	7.500	0.700	5.929	0.551	4.900	1797	44.53	78.8	326.28022	479.58582
44.3	4.90E+00	5.500	0.700	4.342	0.548	4.300	1806	44.71	82.3	327.040441	476.238694
45.2	3.40E+00	3.600	0.700	2.806	0.545	6.400	1810	44.993	82.7	327.2	474.665994
45.2	2.10E+00	2.000	0.700	1.530	0.542	9.200	1703	45.33	86.2	327.616	473.093294
45.8	1.40E+00	1.200	0.700	0.886	0.539	11.600	1525	45.483	86.5	328.300364	471.320134
45.8	9.00E-01	0.500	0.700	0.408	0.538	17.200	1475	45.95	76	328.941111	469.283406
46.1	8.00E-01	0.300	0.700	0.232	0.540	7.800	1474	45.95	77.5	329.941409	467.246678
46.1	6.00E-01	0.100	0.700	0.087	0.543	8.500	1486	46.122	77.7	331.568843	465.41451
46.6	5.00E-01	0.000	0.700	0.000	0.543	5.300	1493	46.58	78.3	332.56432	463.845882
46.6	5.00E-01	-0.100	0.600	0.000	0.477	5.400	1499	46.633	78.2	333.167232	462.277255
47.1	5.00E-01	-0.200	0.600	0.000	0.465	5.900	1510	47.2	79.3	334.003636	460.782027

1.68584	0.25553	6.68999	8068.796
1.68585	0.25561	6.69067	8069.166
1.68586	0.25567	6.69125	8069.397
1.68587	0.25571	6.6919	8069.578
1.68588	0.25576	6.69302	8069.782
1.68588	0.2558	6.69404	8070.043
1.68589	0.25587	6.69505	8070.372
1.6859	0.25592	6.69606	8070.787
1.68591	0.25598	6.697	8071.25
1.68592	0.25603	6.69838	8071.81
1.68593	0.25606	6.70011	8072.484
1.68594	0.25611	6.70162	8073.27
1.68595	0.25614	6.70292	8074.17
1.68596	0.25619	6.70426	8075.192
1.68597	0.25622	6.70573	8076.267
1.68598	0.25627	6.70709	8077.359
1.68599	0.25632	6.70834	8078.471
1.686	0.25637	6.70956	8079.596
1.68601	0.25645	6.71075	8080.779
1.68602	0.25649	6.71205	8082.142
1.68604	0.2566	6.71416	8084.5
1.68606	0.2567	6.71661	8088.421
1.68608	0.25683	6.71982	8093.009
1.68611	0.25701	6.72314	8098.987
1.68616	0.25726	6.72807	8109.466
1.68624	0.25776	6.73473	8126
1.68637	0.25807	6.74199	8146.35
1.6873	0.25846	6.75118	8168.264
1.68987	0.25865	6.76297	8192.529
1.69396	0.25893	6.77396	8213
1.69837	0.25916	6.78336	8231.653
1.70219	0.25933	6.79089	8248.798
1.7052	0.25965	6.79796	8265.49
1.70709	0.25975	6.80455	8278.54
1.70827	0.25995	6.81114	8288.79
1.70905	0.26001	6.81673	8296.996
1.70958	0.26013	6.82133	8303.849
1.70993	0.26022	6.82509	8310.223
1.71016	0.26035	6.82807	8316.691
1.71029	0.26053	6.83057	8323.059
1.71039	0.26078	6.83299	8330.537
1.71046	0.26114	6.83475	8337.954
1.71051	0.2613	6.83646	8344.963
1.71055	0.26147	6.83863	8351.6
1.71059	0.26158	6.84132	8358.3
1.71062	0.26169	6.84404	8365.133
1.71065	0.26181	6.84671	8371.877

12:34:45.196	-8	0.00003	0.00008	0.00254	6.369	0.000615
12:34:46.196	-8	0.00003	0.00016	0.00271	6.213	0.0006
12:34:47.196	-8	0.00003	0.00008	0.00283	6.103	0.000589
12:34:48.196	-8	0.00003	0.00013	0.00246	5.564	0.000537
12:34:49.196	-8	0.00003	0.0001	0.00186	5.082	0.000491
12:34:50.196	-8	0.00003	0.0001	0.00235	4.958	0.000479
12:34:51.196	-8	0.00003	0.00016	0.00227	5.118	0.000494
12:34:52.196	-8	0.00003	0.00013	0.00196	5.097	0.000492
12:34:53.196	-8	0.00002	0.00018	0.00171	4.794	0.000463
12:34:54.196	-8	0.00002	0.00011	0.00149	3.994	0.000386
12:34:55.196	-8	0.00001	0.00014	0.00128	3.205	0.00031
12:34:56.196	-8	0.00001	0.00011	0.00116	2.584	0.00025
12:34:57.196	-8	0.00001	0.00013	0.00102	2.401	0.000232
12:34:58.196	-8	0.00002	0.0002	0.00185	3.134	0.000303
12:34:59.196	-8	0.00002	0.00024	0.00235	4.339	0.000419
12:35:00.196	-8	0.00002	0.00027	0.00149	5.07	0.000489
12:35:01.196	-8	0.00002	0.00018	0.00159	5.444	0.000525
12:35:02.196	-8	0.00003	0.00025	0.00182	6.385	0.000616
12:35:03.196	-8	0.00003	0.00022	0.00309	7.357	0.00071
12:35:04.196	-8	0.00003	0.00021	0.00278	7.044	0.00068
12:35:05.196	-8	0.00003	0.00023	0.00247	6.262	0.000605
12:35:06.196	-8	0.00003	0.00019	0.003	6.11	0.00059
12:35:07.196	-8	0.00003	0.00024	0.00316	5.887	0.000569
12:35:08.196	-8	0.00003	0.00014	0.00242	5.506	0.000532
12:35:09.196	-8	0.00002	0.00018	0.0023	4.795	0.000463
12:35:10.196	-8	0.00002	0.00012	0.00218	3.967	0.000383
12:35:11.196	-8	0.00002	0.00014	0.0021	3.5	0.000338
12:35:12.196	-8	0.00002	0.00012	0.00189	3.447	0.000333
12:35:13.196	-8	0.00002	0.0001	0.00143	3.33	0.000322
12:35:14.196	-8	0.00002	0.00013	0.00117	3.114	0.000301
12:35:15.196	-8	0.00002	0.00011	0.00103	2.746	0.000265
12:35:16.196	-8	0.00002	0.00014	0.00085	2.365	0.000228
12:35:17.196	-8	0.00001	0.00012	0.00043	1.837	0.000178
12:35:18.196	-8	0.00002	0.00011	0	1.137	0.00011
12:35:19.196	-8	0.00002	0.00009	0.0005	0.639	0.000062
12:35:20.196	-8	0.00002	0.00006	0.00069	0.407	0.000039
12:35:21.196	-8	0.00002	0.00009	0.00133	0.408	0.00004
12:35:22.196	-8	0.00002	0.00009	0.00254	0.789	0.000077
12:35:23.196	-8	0.00002	0.00014	0.00325	1.955	0.00019
12:35:24.196	-8	0.00003	0.00014	0.00261	3.016	0.000292
12:35:25.196	-8	0.00003	0.00017	0.00232	3.39	0.000328
12:35:26.196	-8	0.00002	0.00011	0.00131	2.967	0.000287
12:35:27.196	-8	0.00002	0.00009	0.00103	2.411	0.000233
12:35:28.196	-8	0.00002	0.0001	0.00061	1.581	0.000153
12:35:29.196	-8	0.00002	0.00008	0.00047	1.21	0.000117
12:35:30.196	-8	0.00002	0.00013	0.00071	0.898	0.000087
12:35:31.196	-8	0.00002	0.00008	0.00066	0.536	0.000052

47.1	5.00E-01	-0.300	0.600	0.000	0.465	4.000
47.5	5.00E-01	-0.300	0.600	0.000	0.466	8.300
47.5	5.00E-01	-0.300	0.600	0.000	0.466	4.400
47.9	5.00E-01	-0.400	0.600	0.000	0.466	7.300
47.9	5.00E-01	-0.500	0.600	0.000	0.468	5.800
48.3	5.00E-01	-0.500	0.600	0.000	0.469	6.200
48.3	5.00E-01	-0.900	0.600	0.000	0.468	9.500
48.3	5.00E-01	-0.900	0.600	0.000	0.467	7.800
48.3	5.00E-01	-0.900	0.600	0.000	0.467	11.700
48.7	5.00E-01	-1.000	0.600	0.000	0.469	8.600
48.7	4.00E-01	-1.000	0.500	0.000	0.393	12.300
48.6	4.00E-01	-1.000	0.500	0.000	0.397	11.100
48.6	4.00E-01	-1.000	0.500	0.000	0.398	12.900
47.3	4.00E-01	-1.000	0.500	0.000	0.396	16.000
47.3	4.00E-01	-1.000	0.500	0.000	0.390	16.700
46.7	4.00E-01	-1.000	0.500	0.000	0.389	16.600
46.7	4.00E-01	-1.000	0.500	0.000	0.389	10.700
46.1	4.00E-01	-1.000	0.500	0.000	0.388	12.700
46.1	4.00E-01	-0.900	0.500	0.000	0.386	9.900
46.4	5.00E-01	-0.900	0.600	0.000	0.463	10.200
46.4	5.00E-01	-0.900	0.600	0.000	0.467	11.600
46.7	5.00E-01	-0.800	0.600	0.000	0.468	9.700
46.7	5.00E-01	-0.800	0.600	0.000	0.468	12.900
46.7	5.00E-01	-0.800	0.600	0.000	0.468	7.600
46.7	5.00E-01	-0.800	0.600	0.000	0.469	11.100
46.1	5.00E-01	-0.700	0.600	0.000	0.471	8.900
46.1	5.00E-01	-0.700	0.600	0.000	0.472	11.100
45	5.00E-01	-0.800	0.700	0.000	0.549	10.300
45	5.00E-01	-0.800	0.700	0.000	0.547	9.200
44	5.00E-01	-0.800	0.700	0.000	0.547	12.400
44	5.00E-01	-0.800	0.700	0.000	0.547	11.700
43.2	5.00E-01	-0.800	0.700	0.000	0.550	17.300
43.1	6.00E-01	-0.800	0.700	0.000	0.558	15.500
39.8	6.00E-01	-0.900	0.700	0.000	0.575	13.400
39.7	6.00E-01	-1.000	0.700	0.000	0.585	10.900
36.6	6.00E-01	-1.200	0.700	0.000	0.590	6.800
36.6	6.00E-01	-1.200	0.700	0.000	0.591	9.600
34.5	6.00E-01	-1.200	0.700	0.000	0.585	8.300
34.5	6.00E-01	-1.200	0.700	0.000	0.570	12.100
33.6	6.00E-01	-1.200	0.800	0.000	0.628	11.200
33.6	6.00E-01	-1.200	0.800	0.000	0.631	13.400
33	6.00E-01	-1.200	0.800	0.000	0.629	10.900
33	6.00E-01	-1.200	0.800	0.000	0.632	10.200
32	6.00E-01	-1.200	0.800	0.000	0.641	14.300
31.9	7.00E-01	-1.200	0.800	0.000	0.651	11.000
29.5	7.00E-01	-1.300	0.800	0.000	0.664	14.000
29.4	6.00E-01	-1.300	0.700	0.000	0.597	10.100

1517	47.2	80.2	335.302623	459.815038
1523	47.214	79.6	336.952663	458.848049
1527	47.82	78.8	338.223245	457.369709
1534	47.82	65.1	338.93913	452.245391
1536	47.82	66.5	339.482609	447.121073
1537	47.82	69.3	340.202415	441.996756
1542	47.82	70	342.044414	438.892561
1547	48.083	68.2	342.950709	436.216877
1549	48.44	62.5	343.613345	433.541194
1545	48.291	51.8	344.379292	426.72562
1530	47.794	39.4	344.9	414.286046
1514	47.116	53.6	344.9	401.846471
1500	46.477	78.7	345.136314	393.631587
1486	45.977	71.5	345.6	394.353043
1478	45.95	64.8	345.733692	395.074498
1470	45.942	71.7	346.4218	396.682818
1467	45.413	75.1	347.299062	404.072424
1473	45.82	80.7	349.017812	411.462031
1483	45.95	79.7	349.879848	418.851637
1487	46.322	73.5	350.541728	423.807031
1488	46.214	76.1	351.320576	428.16901
1487	46.338	77.7	352.66369	432.53099
1485	46.22	73.7	353	432.14304
1476	45.95	73.1	354.09375	430.016046
1459	45.422	67.8	355.066667	427.889052
1440	44.71	62.7	355.4	424.474542
1446	44.621	65.1	355.4	419.940976
1515	44.052	66.4	355.4	415.407411
1446	43.484	56.6	355.4	410.181465
1434	42.95	59.7	355.4	398.282151
1358	42.346	13.5	355.4	386.382838
1301	40.548	0	354.6	374.316128
1270	38.217	0	354.37633	357.634072
1431	36.913	0	353.105481	340.952016
1426	35.359	0	352.411641	324.26996
1396	34.457	20	352.3	317.451853
1404	33.924	45.8	351.842584	313.319351
1421	33.53	57.3	351.5	309.186848
1400	33.233	57.7	351.5	316.207
1377	32.91	58.4	351.5	327.207
1363	32.452	58.3	351.5	338.207
1309	31.812	40.8	352.247496	331.931804
1232	31.2	6.8	351.556649	324.495095
1181	29.767	0.2	351.5	317.058386
1353	28.213	12.7	350.906005	307.805263
1470	26.871	17	350.7	298.030827
1395	25.744	7.2	350.7	288.256391

1.71068	0.26189	6.84925	8378.246
1.71071	0.26205	6.85196	8384.459
1.71074	0.26213	6.85479	8390.562
1.71077	0.26226	6.85725	8396.126
1.7108	0.26236	6.85911	8401.208
1.71083	0.26246	6.86146	8406.166
1.71086	0.26262	6.86373	8411.284
1.71089	0.26275	6.86569	8416.381
1.71091	0.26293	6.8674	8421.175
1.71093	0.26304	6.86889	8425.169
1.71094	0.26318	6.87017	8428.374
1.71095	0.26329	6.87133	8430.958
1.71096	0.26342	6.87235	8433.359
1.71098	0.26362	6.8742	8436.493
1.711	0.26386	6.87655	8440.832
1.71102	0.26413	6.87804	8445.902
1.71104	0.26431	6.87963	8451.346
1.71107	0.26456	6.88145	8457.731
1.7111	0.26478	6.88454	8465.088
1.71113	0.26499	6.88732	8472.132
1.71116	0.26522	6.88979	8478.394
1.71119	0.26541	6.89279	8484.504
1.71122	0.26565	6.89595	8490.391
1.71125	0.26579	6.89837	8495.897
1.71127	0.26597	6.90067	8500.692
1.71129	0.26609	6.90285	8504.659
1.71131	0.26623	6.90495	8508.159
1.71133	0.26635	6.90684	8511.606
1.71135	0.26645	6.90827	8514.936
1.71137	0.26658	6.90944	8518.05
1.71139	0.26669	6.91047	8520.796
1.71141	0.26683	6.91132	8523.161
1.71142	0.26695	6.91175	8524.998
1.71144	0.26706	6.91175	8526.135
1.71146	0.26715	6.91225	8526.774
1.71148	0.26721	6.91294	8527.181
1.7115	0.2673	6.91427	8527.589
1.71152	0.26739	6.91681	8528.378
1.71154	0.26753	6.92006	8530.333
1.71157	0.26767	6.92267	8533.349
1.7116	0.26784	6.92499	8536.739
1.71162	0.26795	6.9263	8539.706
1.71164	0.26804	6.92733	8542.117
1.71166	0.26814	6.92794	8543.698
1.71168	0.26822	6.92841	8544.908
1.7117	0.26835	6.92912	8545.806
1.71172	0.26843	6.92978	8546.342

12:35:32.196	-8	0.00001	0.00007	0.00109	0.491	0.000048
12:35:33.196	-8	0.00001	0.00007	0.00097	0.519	0.00005
12:35:34.196	-8	0.00001	0.00005	0.0008	0.385	0.000037
12:35:35.196	-8	0.00001	0.00006	0.00095	0.278	0.000027
12:35:36.196	-8	0.00001	0.00003	0.00118	0.305	0.00003
12:35:37.196	-8	0.00001	0.00006	0.00101	0.294	0.000029
12:35:38.196	-8	0.00001	0.00004	0.00097	0.321	0.000031
12:35:39.196	-8	0.00001	0.00002	0.00081	0.382	0.000037
12:35:40.196	-8	0.00001	0.00002	0.00098	0.445	0.000043
12:35:41.196	-8	0.00001	0.00001	0.00122	0.511	0.00005
12:35:42.196	-8	0.00001	0.00003	0.00106	0.552	0.000054
12:35:43.196	-7.7	0.00001	0.00002	0.00089	0.634	0.000061
12:35:44.196	-7.3	0.00001	0.00004	0.00124	0.729	0.000071
12:35:45.196	-8	0.00001	0.00002	0.00118	0.775	0.000075
12:35:46.196	-7.7	0.00001	0.00003	0.00106	0.837	0.000081
12:35:47.196	-7.3	0.00001	0.00003	0.00096	0.961	0.000093
12:35:48.196	-8	0.00001	0.00004	0.00088	1.027	0.000099
12:35:49.196	-7.7	0.00001	0.00005	0.00088	1.081	0.000105
12:35:50.196	-7.3	0.00001	0.00003	0.00109	1.233	0.000119
12:35:51.196	-8	0.00001	0.00005	0.00102	1.246	0.000121
12:35:52.196	-7.7	0.00001	0.00003	0.00095	1.238	0.00012
12:35:53.196	-7	0.00001	0.00005	0.00098	1.297	0.000126
12:35:54.196	-7	0.00001	0.00004	0.00107	1.311	0.000127
12:35:55.196	-7	0.00001	0.00003	0.00107	1.24	0.00012
12:35:56.196	-7	0.00001	0.00004	0.00118	1.162	0.000113
12:35:57.196	-7	0.00001	0.00003	0.00125	1.079	0.000105
12:35:58.196	-7	0.00001	0.00005	0.00125	1.02	0.000099
12:35:59.196	-7	0.00001	0.00003	0.00123	0.998	0.000097
12:36:00.196	-7	0.00001	0.00003	0.00124	1.01	0.000098
12:36:01.196	-7	0.00001	0.00004	0.00126	1.085	0.000105
12:36:02.196	-7	0.00001	0.00003	0.00126	1.231	0.000119
12:36:03.196	-7	0.00001	0.00006	0.00114	1.25	0.000121
12:36:04.196	-7	0.00001	0.00002	0.00111	1.21	0.000117
12:36:05.196	-7	0.00001	0.00006	0.00109	1.204	0.000117
12:36:06.196	-7	0.00001	0.00003	0.001	1.201	0.000116
12:36:07.196	-7	0.00001	0.00005	0.00101	1.181	0.000114
12:36:08.196	-7	0.00001	0.00004	0.001	1.158	0.000112
12:36:09.196	-7	0.00001	0.00005	0.00099	1.153	0.000112
12:36:10.196	-7	0.00001	0.00006	0.001	1.151	0.000111
12:36:11.196	-7	0.00001	0.00003	0.00104	1.148	0.000111
12:36:12.196	-7	0.00001	0.00005	0.00111	1.142	0.000111
12:36:13.196	-7	0.00001	0.00003	0.00112	1.152	0.000112
12:36:14.196	-7	0.00001	0.00005	0.00112	1.152	0.000112
12:36:15.196	-7	0.00001	0.00004	0.00112	1.149	0.000111
12:36:16.196	-7	0.00001	0.00004	0.00112	1.148	0.000111
12:36:17.196	-7	0.00001	0.00005	0.00108	1.155	0.000112
12:36:18.196	-7	0.00001	0.00004	0.001	1.157	0.000112

26.8	5.00E-01	-1.300	0.600	0.000	0.513	9.500
26.7	5.00E-01	-1.300	0.600	0.000	0.502	9.000
23.2	5.00E-01	-1.300	0.600	0.000	0.504	7.100
23.1	5.00E-01	-1.300	0.600	0.000	0.506	9.400
18.9	5.00E-01	-1.400	0.600	0.000	0.506	5.000
18.7	5.00E-01	-1.400	0.600	0.000	0.505	9.100
12.2	5.00E-01	-1.400	0.600	0.000	0.505	6.700
12.1	5.00E-01	-1.400	0.600	0.000	0.503	4.000
9.3	5.00E-01	-1.400	0.600	0.000	0.502	3.100
9.2	5.00E-01	-1.400	0.600	0.000	0.501	2.000
6.7	5.00E-01	-1.400	0.600	0.000	0.499	5.000
6.6	5.00E-01	-1.400	0.600	0.000	0.498	3.000
3.6	5.00E-01	-1.400	0.600	0.000	0.497	6.400
3.6	5.00E-01	-1.500	0.600	0.000	0.495	3.200
2.4	5.00E-01	-1.500	0.600	0.000	0.494	4.900
2.3	5.00E-01	-1.500	0.600	0.000	0.491	5.000
0	5.00E-01	-1.500	0.600	0.000	0.489	5.400
0	5.00E-01	-1.500	0.600	0.000	0.488	8.000
0	5.00E-01	-1.500	0.600	0.000	0.488	4.600
0	5.00E-01	-1.500	0.600	0.000	0.487	7.400
1	5.00E-01	-1.500	0.600	0.000	0.487	4.600
1.1	5.00E-01	-1.600	0.600	0.000	0.486	7.100
2.8	5.00E-01	-1.500	0.600	0.000	0.485	5.900
2.8	5.00E-01	-1.500	0.600	0.000	0.487	4.500
2.9	5.00E-01	-1.500	0.600	0.000	0.488	6.300
2.9	5.00E-01	-1.500	0.600	0.000	0.490	4.500
2.9	5.00E-01	-1.500	0.600	0.000	0.490	7.700
2.9	5.00E-01	-1.500	0.600	0.000	0.490	4.700
1.3	5.00E-01	-1.500	0.600	0.000	0.490	5.300
1.3	5.00E-01	-1.500	0.600	0.000	0.489	6.300
0	5.00E-01	-1.500	0.600	0.000	0.488	4.000
0	5.00E-01	-1.500	0.600	0.000	0.487	8.000
0.8	5.00E-01	-1.500	0.600	0.000	0.487	3.700
0.8	5.00E-01	-1.400	0.600	0.000	0.486	8.500
2.3	5.00E-01	-1.400	0.600	0.000	0.486	4.300
2.3	5.00E-01	-1.400	0.600	0.000	0.487	7.100
0	5.00E-01	-1.400	0.600	0.000	0.487	6.000
0	5.00E-01	-1.400	0.600	0.000	0.487	7.100
0	5.00E-01	-1.400	0.600	0.000	0.487	8.900
0	5.00E-01	-1.400	0.600	0.000	0.487	4.400
0	5.00E-01	-1.400	0.600	0.000	0.487	8.300
0	5.00E-01	-1.400	0.600	0.000	0.487	4.300
0	5.00E-01	-1.400	0.600	0.000	0.487	8.200
0	5.00E-01	-1.400	0.600	0.000	0.487	5.900
0	5.00E-01	-1.300	0.600	0.000	0.487	6.800
0	5.00E-01	-1.300	0.600	0.000	0.487	7.100
0	5.00E-01	-1.300	0.600	0.000	0.487	5.700

1292	24.251	4.3	350.466667	279.485619
1118	21.291	19.3	349.832761	272.857464
1119	19.556	4.3	349.208736	266.22931
1084	17.046	14.8	349.151529	259.721288
1115	13.657	23.5	348.522032	257.097555
1102	11.203	20.4	347.24349	254.473822
1022	9.439	18.4	347	251.850089
924	8.14	20	346.542038	250.686311
844	7.1	25.6	345.953631	250.222274
821	5.786	31.9	345.6	249.758237
794	3.936	29.6	345.6	250.918
781	2.747	36.7	345.059478	252.918
789	2.48	38.6	344.9	254.918
783	1.704	39.5	344.9	257.636893
778	0.424	41.3	344.9	260.817342
781	0	40.2	344.368232	263.99779
781	0	40.4	344	266.129207
780	0	40.8	344	267.62311
829	0.358	41.8	343.649084	269.117012
903	1.369	42.2	343.2	270.339161
816	1.949	38.2	343.2	271.038462
771	2.48	36.1	343.014063	271.737762
774	2.48	36.3	342.5	271.897899
777	2.48	36.1	342.5	271.006747
776	2.48	36.1	342.046703	270.115595
776	2.44	36.9	341	269.350857
779	1.949	41.9	341	269.101403
781	0.082	42.7	340.946	268.851949
778	0	42	340.3	268.602495
782	0	42.3	340.3	269.041439
884	0	46.6	339.737607	269.487337
856	0.687	43.3	339.6	269.933234
791	1.513	41.6	339.130769	269.687046
776	1.459	43.1	338.9	269.027376
779	0.47	42.8	338.9	268.367706
780	0	41.3	338.659631	267.715414
780	0	41.6	338.1	267.081097
778	0	42	337.979091	266.446781
778	0	41.9	337.260616	265.870341
780	0	41.6	336.7	265.655419
779	0	42.3	336.671259	265.440497
778	0	42.4	335.302646	265.225576
780	0	42.4	334.611364	264.83237
779	0	42.4	334.5	264.415082
779	0	42.1	334.071975	263.997794
779	0	42	333.387399	263.475709
779	0	42	333	262.859186

1.71173	0.2685	6.93087	8546.833
1.71174	0.26857	6.93184	8547.352
1.71175	0.26862	6.93264	8547.737
1.71176	0.26868	6.93359	8548.015
1.71177	0.26871	6.93477	8548.32
1.71178	0.26877	6.93578	8548.614
1.71179	0.26881	6.93675	8548.935
1.7118	0.26883	6.93756	8549.317
1.71181	0.26885	6.93854	8549.762
1.71182	0.26886	6.93976	8550.273
1.71183	0.26889	6.94082	8550.825
1.71184	0.26891	6.94171	8551.459
1.71185	0.26895	6.94295	8552.188
1.71186	0.26897	6.94413	8552.963
1.71187	0.269	6.94519	8553.8
1.71188	0.26903	6.94615	8554.761
1.71189	0.26907	6.94703	8555.788
1.7119	0.26912	6.94791	8556.869
1.71191	0.26915	6.949	8558.102
1.71192	0.2692	6.95002	8559.348
1.71193	0.26923	6.95097	8560.586
1.71194	0.26928	6.95195	8561.883
1.71195	0.26932	6.95302	8563.194
1.71196	0.26935	6.95409	8564.434
1.71197	0.26939	6.95527	8565.596
1.71198	0.26942	6.95652	8566.675
1.71199	0.26947	6.95777	8567.695
1.712	0.2695	6.959	8568.693
1.71201	0.26953	6.96024	8569.703
1.71202	0.26957	6.9615	8570.788
1.71203	0.2696	6.96276	8572.019
1.71204	0.26966	6.9639	8573.269
1.71205	0.26968	6.96501	8574.479
1.71206	0.26974	6.9661	8575.683
1.71207	0.26977	6.9671	8576.884
1.71208	0.26982	6.96811	8578.065
1.71209	0.26986	6.96911	8579.223
1.7121	0.26991	6.9701	8580.376
1.71211	0.26997	6.9711	8581.527
1.71212	0.27	6.97214	8582.675
1.71213	0.27005	6.97325	8583.817
1.71214	0.27008	6.97437	8584.969
1.71215	0.27013	6.97549	8586.121
1.71216	0.27017	6.97661	8587.27
1.71217	0.27021	6.97773	8588.418
1.71218	0.27026	6.97881	8589.573
1.71219	0.2703	6.97981	8590.73

12:36:19.196	-7	0.00001	0.00006	0.00099	1.15	0.000111
12:36:20.196	-7	0.00001	0.00003	0.001	1.151	0.000111
12:36:21.196	-7	0.00001	0.00004	0.00099	1.144	0.000111
12:36:22.196	-7	0.00001	0.00004	0.00099	1.148	0.000111
12:36:23.196	-7	0.00001	0.00003	0.001	1.153	0.000112
12:36:24.196	-7	0.00001	0.00006	0.00099	1.145	0.000111
12:36:25.196	-7	0.00001	0.00002	0.00099	1.141	0.00011
12:36:26.196	-7	0.00001	0.00004	0.00099	1.141	0.000111
12:36:27.196	-7	0.00001	0.00002	0.00099	1.142	0.000111
12:36:28.196	-7	0.00001	0.00004	0.00106	1.155	0.000112
12:36:29.196	-7	0.00001	0.00003	0.00121	1.153	0.000112
12:36:30.196	-7	0.00001	0.00004	0.00138	1.156	0.000112
12:36:31.196	-7	0.00001	0.00005	0.00137	1.147	0.000111
12:36:32.196	-7	0.00001	0.00004	0.00135	1.131	0.00011
12:36:33.196	-7	0.00001	0.00006	0.00119	1.14	0.00011
12:36:34.196	-7	0.00001	0.00004	0.00116	1.187	0.000115
12:36:35.196	-7	0.00002	0.00008	0.00126	1.292	0.000125
12:36:36.196	-7	0.00002	0.00004	0.00124	1.274	0.000123
12:36:37.196	-7	0.00001	0.00004	0.00118	1.265	0.000123
12:36:38.196	-7	0.00001	0.00005	0.00104	1.269	0.000123
12:36:39.196	-7	0.00001	0.00003	0.00092	1.244	0.00012
12:36:40.196	-7	0.00001	0.00005	0.00094	1.195	0.000116
12:36:41.196	-7	0.00001	0.00003	0.00104	1.144	0.000111
12:36:42.196	-7	0.00001	0.00005	0.00112	1.156	0.000112
12:36:43.196	-7	0.00001	0.00003	0.00113	1.172	0.000114
12:36:44.196	-7	0.00001	0.00004	0.00114	1.179	0.000114
12:36:45.196	-7	0.00001	0.00005	0.00116	1.202	0.000116
12:36:46.196	-7	0.00002	0.00003	0.00122	1.262	0.000122
12:36:47.196	-7	0.00001	0.00005	0.00115	1.202	0.000116
12:36:48.196	-7	0.00001	0.00003	0.0011	1.219	0.000118
12:36:49.196	-7	0.00001	0.00005	0.00105	1.325	0.000128
12:36:50.196	-7	0.00002	0.00004	0.00102	1.442	0.00014
12:36:51.196	-7	0.00002	0.00004	0.00117	1.694	0.000164
12:36:52.196	-7	0.00003	0.00007	0.00215	2.998	0.00029
12:36:53.196	-7	0.00004	0.00008	0.003	4.989	0.000482
12:36:54.196	-7	0.00004	0.00015	0.00309	6.073	0.000587
12:36:55.196	-7	0.00004	0.00011	0.00204	5.688	0.000549
12:36:56.196	-7	0.00005	0.00022	0.00291	8.211	0.000793
12:36:57.196	-7	0.00008	0.00018	0.00428	12.358	0.001193
12:36:58.196	-7	0.00009	0.00026	0.00498	14.283	0.001379
12:36:59.196	-7	0.0003	0.00023	0.00539	14.581	0.001408
12:37:00.196	-7	0.0004	0.00008	0.00463	10.669	0.001031
12:37:01.196	-7	0.00045	0.0001	0.00505	9.106	0.00088
12:37:02.196	-7	0.00041	0.00001	0.00349	8.228	0.000794
12:37:03.196	-7	0.00034	0.0001	0.0022	6.424	0.00062
12:37:04.196	-7	0.00015	0.00005	0.00069	2.857	0.000276
12:37:05.196	-7	0.00007	0.00006	0.00019	1.35	0.000131

0	5.00E-01	-1.300	0.600	0.000	0.487	8.600	781	0	42.2	332.793946	262.242663
0	5.00E-01	-1.300	0.600	0.000	0.487	4.300	779	0	41.7	332.092308	261.690795
0	5.00E-01	-1.300	0.600	0.000	0.487	7.000	777	0	42.4	331.461197	261.303545
0	5.00E-01	-1.300	0.600	0.000	0.487	6.300	779	0	42.4	330.814679	260.916294
0	5.00E-01	-1.300	0.600	0.000	0.487	5.000	779	0	41.7	329.438532	260.529044
0	5.00E-01	-1.300	0.600	0.000	0.487	8.600	780	0	42.1	328.787027	260.303907
0	5.00E-01	-1.300	0.600	0.000	0.487	3.000	781	0	42.4	328.140778	260.091914
0	5.00E-01	-1.300	0.600	0.000	0.487	7.000	779	0	41.9	327.441213	259.879921
0	6.00E-01	-1.300	0.700	0.000	0.568	3.700	779	0	41.4	327.2	259.643692
0	6.00E-01	-1.300	0.700	0.000	0.568	6.200	781	0	41.7	326.752667	259.392796
0	6.00E-01	-1.300	0.700	0.000	0.568	4.600	781	0	42.1	325.909889	259.1419
0	6.00E-01	-1.200	0.700	0.000	0.568	6.500	781	0	42.2	325.165091	258.723199
0	6.00E-01	-1.200	0.700	0.000	0.568	7.300	780	0	41.9	323.496944	258.270856
0	6.00E-01	-1.200	0.700	0.000	0.568	6.000	779	0	41.6	322.290769	257.818514
0	6.00E-01	-1.200	0.700	0.000	0.568	9.000	780	0	41.8	321.49703	257.404436
0	6.00E-01	-1.100	0.700	0.000	0.568	6.200	780	0	41.7	321.4	257.003943
0	6.00E-01	-1.100	0.800	0.000	0.650	11.100	839	0.528	42.5	320.60055	256.60345
0	6.00E-01	-1.100	0.800	0.000	0.650	5.800	869	1.639	41.1	319.611679	256.4
0.1	6.00E-01	-1.100	0.800	0.000	0.648	5.700	792	2.48	38.4	318.474844	256.4
2.4	6.00E-01	-1.100	0.800	0.000	0.647	8.100	775	2.258	41.7	316.81	256.4
2.4	6.00E-01	-1.000	0.800	0.000	0.647	4.000	778	1.441	42.8	315.74411	256.281145
2.2	6.00E-01	-1.000	0.800	0.000	0.649	8.100	780	0.62	42.8	315.079527	256.054754
2.2	6.00E-01	-1.100	0.800	0.000	0.650	4.400	780	0.62	42.6	314.369231	255.828364
1	6.00E-01	-1.100	0.800	0.000	0.649	7.100	779	0.436	42.2	313.57951	255.526319
1	6.00E-01	-1.100	0.800	0.000	0.649	5.000	798	0	43	312.192982	255.125208
0	6.00E-01	-1.200	0.800	0.000	0.649	5.600	834	0	45	310.794118	254.724098
0	6.00E-01	-1.200	0.800	0.000	0.649	7.400	792	0.04	44	310.151146	254.479012
0	6.00E-01	-1.200	0.800	0.000	0.649	4.200	926	0.575	49.4	309.507411	254.890535
0	6.00E-01	-1.300	0.800	0.000	0.649	8.200	834	0.62	42.4	308.787612	255.302058
0.8	6.00E-01	-1.300	0.800	0.000	0.647	4.400	775	0.62	42.7	307.305818	255.706719
0.8	6.00E-01	-1.300	0.800	0.000	0.646	7.400	786	0.169	42.1	306.033091	255.910326
0	6.00E-01	-1.300	0.800	0.000	0.646	5.300	871	1.12	44.3	304.8312	256.113933
0	6.00E-01	-1.300	0.800	0.000	0.646	5.000	1028	2.51	54.5	304.034191	256.317539
2.2	6.00E-01	-1.300	0.800	0.000	0.643	5.000	1381	4.628	72.2	303.33913	267.296166
2.4	6.00E-01	-1.300	0.800	0.000	0.630	4.700	1757	7.527	83	302.355709	285.609049
7	6.00E-01	-1.200	0.800	0.000	0.624	7.700	1808	9.843	77.6	300.548252	303.921933
7.2	6.00E-01	-1.200	0.800	0.000	0.624	5.700	1728	12.177	73.1	298.508009	321.762581
12	6.00E-01	-1.100	0.800	0.000	0.624	8.500	1880	14.125	76.6	297.56688	338.665806
12.1	6.00E-01	-0.800	0.800	0.000	0.622	4.600	2248	17.168	76.1	295.867368	355.569032
16.3	6.00E-01	0.000	0.800	0.000	0.623	5.700	2319	20.861	72.7	292.809697	372.242929
16.5	1.90E+00	1.600	0.800	1.227	0.626	4.800	2401	24.085	71.3	291.033727	388.170289
23	3.20E+00	3.300	0.800	2.588	0.630	2.100	2234	27.468	70.6	288.379891	404.097648
23.2	4.50E+00	4.900	0.800	3.861	0.626	3.300	1847	29.884	81.3	287.196997	420.025007
29	4.80E+00	5.400	0.800	4.189	0.622	0.500	1765	31.549	78.4	286.515818	408.653599
29.1	4.90E+00	5.400	0.900	4.218	0.691	4.800	1740	32.571	42.1	285.485304	393.417982
33	3.90E+00	3.900	0.900	3.138	0.718	4.000	1539	32.91	12.2	284.336519	378.182365
33	2.20E+00	1.900	0.800	1.523	0.658	6.400	1291	32.763	24.9	283.406514	366.516672

1.7122	0.27036	6.9808	8591.88
1.71221	0.27039	6.9818	8593.031
1.71222	0.27043	6.98279	8594.175
1.71223	0.27047	6.98378	8595.323
1.71224	0.2705	6.98478	8596.476
1.71225	0.27056	6.98577	8597.621
1.71226	0.27058	6.98676	8598.762
1.71227	0.27062	6.98775	8599.903
1.71228	0.27064	6.98874	8601.045
1.71229	0.27068	6.9898	8602.2
1.7123	0.27071	6.99101	8603.353
1.71231	0.27075	6.99239	8604.509
1.71232	0.2708	6.99376	8605.656
1.71233	0.27084	6.99511	8606.787
1.71234	0.2709	6.9963	8607.927
1.71235	0.27094	6.99746	8609.114
1.71237	0.27102	6.99872	8610.406
1.71239	0.27106	6.99996	8611.68
1.7124	0.2711	7.00114	8612.945
1.71241	0.27115	7.00218	8614.214
1.71242	0.27118	7.0031	8615.458
1.71243	0.27123	7.00404	8616.653
1.71244	0.27126	7.00508	8617.797
1.71245	0.27131	7.0062	8618.953
1.71246	0.27134	7.00733	8620.125
1.71247	0.27138	7.00847	8621.304
1.71248	0.27143	7.00963	8622.506
1.7125	0.27146	7.01085	8623.768
1.71251	0.27151	7.012	8624.97
1.71252	0.27154	7.0131	8626.189
1.71253	0.27159	7.01415	8627.514
1.71255	0.27163	7.01517	8628.956
1.71257	0.27167	7.01634	8630.65
1.7126	0.27174	7.01849	8633.648
1.71264	0.27182	7.02149	8638.637
1.71268	0.27197	7.02458	8644.71
1.71272	0.27208	7.02662	8650.398
1.71277	0.2723	7.02953	8658.609
1.71285	0.27248	7.03381	8670.967
1.71294	0.27274	7.03879	8685.25
1.71324	0.27297	7.04418	8699.831
1.71364	0.27305	7.04881	8710.5
1.71409	0.27315	7.05386	8719.606
1.7145	0.27316	7.05735	8727.834
1.71484	0.27326	7.05955	8734.258
1.71499	0.27331	7.06024	8737.115
1.71506	0.27337	7.06043	8738.465

12:37:06.196	-7	0.00004	0.00007	0.00076	1.053	0.000102
12:37:07.196	-7	0.00003	0.0001	0.00406	2.366	0.000229
12:37:08.196	-7	0.00004	0.00013	0.00563	4.825	0.000467
12:37:09.196	-7	0.00004	0.00006	0.00465	6.406	0.000619
12:37:10.196	-7	0.00005	0.00014	0.00328	7.108	0.000686
12:37:11.196	-7	0.00005	0.00006	0.00199	6.444	0.000622
12:37:12.196	-7	0.00005	0.0001	0.00177	5.47	0.000528
12:37:13.196	-7	0.00004	0.00011	0.00233	5.282	0.00051
12:37:14.196	-7	0.00004	0.0001	0.00302	5.622	0.000543
12:37:15.196	-7	0.00004	0.00013	0.00263	5.779	0.000558
12:37:16.196	-7	0.00004	0.00005	0.00215	5.67	0.000547
12:37:17.196	-7	0.00004	0.00013	0.00198	5.803	0.00056
12:37:18.196	-7	0.00004	0.00009	0.00194	6.094	0.000588
12:37:19.196	-7	0.00004	0.00015	0.00159	5.806	0.00056
12:37:20.196	-7	0.00004	0.00013	0.00148	5.042	0.000487
12:37:21.196	-7	0.00003	0.00009	0.00105	3.735	0.000361
12:37:22.196	-7	0.00003	0.00014	0.00107	3.064	0.000296
12:37:23.196	-7	0.00002	0.00008	0.00116	2.557	0.000247
12:37:24.196	-7	0.00002	0.00013	0.00122	2.295	0.000222
12:37:25.196	-7	0.00002	0.00009	0.0011	2.179	0.000211
12:37:26.196	-7	0.00002	0.00013	0.00146	2.207	0.000214
12:37:27.196	-7	0.00002	0.00014	0.00156	2.271	0.00022
12:37:28.196	-7	0.00002	0.00013	0.00151	2.356	0.000228
12:37:29.196	-7	0.00002	0.00014	0.00143	2.413	0.000233
12:37:30.196	-7	0.00002	0.00011	0.00142	2.672	0.000258
12:37:31.196	-7	0.00002	0.00016	0.00127	2.882	0.000279
12:37:32.196	-7	0.00002	0.00013	0.00166	3.06	0.000296
12:37:33.196	-7	0.00002	0.00014	0.00161	3.188	0.000308
12:37:34.196	-7	0.00002	0.00012	0.00143	3.273	0.000316
12:37:35.196	-7	0.00002	0.0001	0.00131	3.282	0.000317
12:37:36.196	-7	0.00002	0.00015	0.00132	3.29	0.000318
12:37:37.196	-7	0.00002	0.00012	0.00132	3.287	0.000318
12:37:38.196	-7	0.00002	0.00016	0.00132	3.298	0.000319
12:37:39.196	-7	0.00002	0.00012	0.00132	3.297	0.000319
12:37:40.196	-7	0.00002	0.00015	0.0013	3.232	0.000312
12:37:41.196	-7	0.00002	0.00015	0.00134	3.33	0.000322
12:37:42.196	-7	0.00003	0.00014	0.00154	3.715	0.000359
12:37:43.196	-7	0.00003	0.00016	0.00178	3.889	0.000376
12:37:44.196	-7	0.00003	0.00011	0.00166	3.655	0.000353
12:37:45.196	-7	0.00002	0.00012	0.00121	2.813	0.000272
12:37:46.196	-7	0.00002	0.00006	0.00057	1.91	0.000185
12:37:47.196	-7	0.00002	0.00008	0.00018	0.974	0.000094
12:37:48.196	-7	0.00002	0.00007	0.00038	0.573	0.000055
12:37:49.196	-7	0.00002	0.00009	0.001	0.391	0.000038
12:37:50.196	-7	0.00002	0.0001	0.00082	0.308	0.00003
12:37:51.196	-7	0.00002	0.00006	0.00104	0.333	0.000032
12:37:52.196	-7	0.00002	0.00008	0.00146	0.532	0.000052

33.1	1.10E+00	0.600	0.800	0.467	0.666	6.300
33.1	6.00E-01	0.000	0.700	0.010	0.572	6.400
32.8	6.00E-01	0.000	0.700	0.000	0.556	6.900
32.8	6.00E-01	-0.100	0.800	0.000	0.612	3.000
34.6	8.00E-01	-0.100	1.000	0.000	0.762	6.600
34.6	8.00E-01	-0.100	1.000	0.000	0.773	3.200
36.7	8.00E-01	0.000	1.000	0.000	0.781	5.400
36.8	7.00E-01	0.000	0.900	0.000	0.705	6.100
38.1	7.00E-01	-0.100	0.900	0.000	0.704	5.400
38.1	7.00E-01	-0.100	0.900	0.000	0.702	7.000
39.4	7.00E-01	-0.100	0.900	0.000	0.701	3.000
39.4	7.00E-01	-0.100	0.900	0.000	0.699	7.200
40.7	7.00E-01	-0.200	0.900	0.000	0.697	4.700
40.7	7.00E-01	-0.200	0.900	0.000	0.696	8.600
42.1	7.00E-01	-0.200	0.900	0.000	0.701	8.200
42.1	7.00E-01	-0.200	0.900	0.000	0.707	7.300
42.9	7.00E-01	-0.300	0.900	0.000	0.711	11.900
42.9	6.00E-01	-0.500	0.800	0.000	0.641	8.600
43.3	6.00E-01	-0.500	0.800	0.000	0.647	13.600
43.3	6.00E-01	-0.600	0.800	0.000	0.640	9.600
43.3	6.00E-01	-0.600	0.800	0.000	0.641	12.600
43.3	6.00E-01	-0.600	0.800	0.000	0.641	13.700
42.9	6.00E-01	-0.600	0.800	0.000	0.641	12.100
42.9	6.00E-01	-0.700	0.800	0.000	0.640	13.300
42.6	6.00E-01	-0.700	0.800	0.000	0.637	10.000
42.6	6.00E-01	-0.700	0.800	0.000	0.634	14.400
42.3	6.00E-01	-0.700	0.800	0.000	0.633	10.900
42.3	6.00E-01	-0.700	0.800	0.000	0.631	12.400
42.1	6.00E-01	-0.700	0.800	0.000	0.630	10.300
42.1	6.00E-01	-0.700	0.800	0.000	0.630	8.700
41.5	6.00E-01	-0.700	0.800	0.000	0.630	12.500
41.5	6.00E-01	-0.700	0.800	0.000	0.630	10.000
40.9	6.00E-01	-0.700	0.800	0.000	0.630	13.500
40.9	6.00E-01	-0.700	0.800	0.000	0.630	10.600
40.3	6.00E-01	-0.700	0.800	0.000	0.630	13.100
40.3	6.00E-01	-0.700	0.800	0.000	0.630	12.200
40	6.00E-01	-0.700	0.800	0.000	0.630	10.800
40	6.00E-01	-0.700	0.800	0.000	0.629	12.000
39.9	6.00E-01	-0.700	0.800	0.000	0.629	8.400
39.9	6.00E-01	-0.700	0.800	0.000	0.631	11.300
39.8	6.00E-01	-0.700	0.800	0.000	0.639	7.500
39.8	7.00E-01	-0.700	0.800	0.000	0.658	10.800
38.4	7.00E-01	-0.800	0.800	0.000	0.669	10.200
38.3	7.00E-01	-0.800	0.800	0.000	0.675	11.000
36.1	7.00E-01	-0.800	0.800	0.000	0.677	10.600
36.1	7.00E-01	-1.000	0.800	0.000	0.676	7.300
35.4	7.00E-01	-1.000	0.800	0.000	0.670	11.000

1340	32.317	54.4	282.77719	359.842023
1361	32.943	73.6	282.3	353.167375
1379	33.507	78.5	282.3	348.214592
1406	34.481	80.7	282.3	364.196063
1443	35.575	81.2	282.3	380.177533
1478	36.36	70.7	282.3	396.159004
1504	37.133	67.7	282.3	400.843382
1527	38.034	74.8	282.3	398.662324
1556	38.646	80.8	282.564345	396.481267
1581	39.198	80.4	283	396.421483
1606	39.69	82.3	283.123923	401.95415
1634	40.277	83.4	283.682137	407.486816
1663	41.335	83.9	284.895062	413.019482
1687	41.983	70.9	285.586538	407.581983
1713	42.23	61.9	286.601565	400.605909
1630	42.45	59.3	287.1	393.629836
1460	42.85	53.8	287.1	384.878319
1426	42.85	42.3	287.282188	373.55067
1434	42.85	49	287.7	362.223021
1425	42.845	48.5	287.7	351.612144
1424	42.312	47.2	287.79464	346.064918
1417	42.23	48.1	288.35464	340.517691
1424	42.23	54.3	288.4	334.970465
1414	42.23	55.5	288.98498	334.669954
1401	41.886	55.3	289.1	335.772557
1398	41.61	56.8	289.951455	336.875161
1394	41.61	57.4	290.5	338.518499
1382	41.61	56.6	291.06875	340.65304
1378	41.52	56.8	291.8	342.787581
1363	40.836	56.3	292.098483	344.123743
1351	40.37	56	292.5	344.410185
1343	40.22	55.6	292.753333	344.696626
1330	39.74	55.2	293.437838	344.9
1323	39.74	54.9	294.1232	344.9
1323	39.74	55.6	294.6832	344.9
1327	39.74	55.4	295.933424	344.9
1313	39.74	63.1	296.574431	346.212159
1313	39.74	68.3	297.244444	347.810404
1287	39.74	34.3	297.892335	349.408649
1248	39.246	7.5	298.1	338.780822
1220	38.334	0	298.470093	320.972603
1187	37.627	0	298.8	303.164384
1297	36.434	0	298.8	291.634469
1425	35.2	11	298.8	283.682302
1407	34.631	29.7	298.8	275.730135
1393	34.16	26.4	298.981918	268.210061
1359	34.146	0	299.4	261.737669

1.7151	0.27344	7.06119	8739.518
1.71513	0.27354	7.06525	8741.884
1.71517	0.27367	7.07088	8746.709
1.71521	0.27373	7.07553	8753.115
1.71526	0.27387	7.07881	8760.223
1.71531	0.27393	7.0808	8766.667
1.71536	0.27403	7.08257	8772.137
1.7154	0.27414	7.0849	8777.419
1.71544	0.27424	7.08792	8783.041
1.71548	0.27437	7.09055	8788.82
1.71552	0.27442	7.0927	8794.49
1.71556	0.27455	7.09468	8800.293
1.7156	0.27464	7.09662	8806.387
1.71564	0.27479	7.09821	8812.193
1.71568	0.27492	7.09969	8817.235
1.71571	0.27501	7.10074	8820.97
1.71574	0.27515	7.10181	8824.034
1.71576	0.27523	7.10297	8826.591
1.71578	0.27536	7.10419	8828.886
1.7158	0.27545	7.10529	8831.065
1.71582	0.27558	7.10675	8833.272
1.71584	0.27572	7.10831	8835.543
1.71586	0.27585	7.10982	8837.899
1.71588	0.27599	7.11125	8840.312
1.7159	0.2761	7.11267	8842.984
1.71592	0.27626	7.11394	8845.866
1.71594	0.27639	7.1156	8848.926
1.71596	0.27653	7.11721	8852.114
1.71598	0.27665	7.11864	8855.387
1.716	0.27675	7.11995	8858.669
1.71602	0.2769	7.12127	8861.959
1.71604	0.27702	7.12259	8865.246
1.71606	0.27718	7.12391	8868.544
1.71608	0.2773	7.12523	8871.841
1.7161	0.27745	7.12653	8875.073
1.71612	0.2776	7.12787	8878.403
1.71615	0.27774	7.12941	8882.118
1.71618	0.2779	7.13119	8886.007
1.71621	0.27801	7.13285	8889.662
1.71623	0.27813	7.13406	8892.475
1.71625	0.27819	7.13463	8894.385
1.71627	0.27827	7.13481	8895.359
1.71629	0.27834	7.13519	8895.932
1.71631	0.27843	7.13619	8896.323
1.71633	0.27853	7.13701	8896.631
1.71635	0.27859	7.13805	8896.964
1.71637	0.27867	7.13951	8897.496

12:37:53.196	-7	0.00002	0.00006	0.00141	0.831	0.000081
12:37:54.196	-7	0.00002	0.00007	0.00065	0.619	0.00006
12:37:55.196	-7	0.00002	0.00006	0.00029	0.386	0.000037
12:37:56.196	-7	0.00002	0.00004	0.00078	0.226	0.000022
12:37:57.196	-7	0.00002	0.00006	0.00064	0.162	0.000016
12:37:58.196	-7	0.00002	0.00004	0.0006	0.14	0.000014
12:37:59.196	-7	0.00002	0.00006	0.00075	0.122	0.000012
12:38:00.196	-7	0.00002	0.00003	0.00084	0.12	0.000012
12:38:01.196	-7	0.00002	0.00006	0.00131	0.319	0.000031
12:38:02.196	-7	0.00003	0.00008	0.00322	1.258	0.000122
12:38:03.196	-7	0.00007	0.00025	0.01004	5.229	0.000507
12:38:04.196	-7	0.00008	0.00038	0.01087	10.047	0.000972
12:38:05.196	-7	0.00009	0.00026	0.00754	11.371	0.001098
12:38:06.196	-7	0.00009	0.00029	0.00674	11.957	0.001155
12:38:07.196	-7	0.00013	0.00014	0.00724	11.328	0.001095
12:38:08.196	-7	0.00016	0.00015	0.00497	8.799	0.00085
12:38:09.196	-7	0.00012	0.00003	0.00424	6.49	0.000627
12:38:10.196	-7	0.00009	0.00001	0.00384	5.492	0.000531
12:38:11.196	-7	0.00008	0.00002	0.00315	5.108	0.000494
12:38:12.196	-7	0.00007	0.00005	0.00284	5.78	0.000558
12:38:13.196	-7	0.00007	0.00028	0.00403	7.144	0.000689
12:38:14.196	-7	0.00007	0.00034	0.00275	8.07	0.000778
12:38:15.196	-7	0.00005	0.0003	0.00226	8.177	0.000789
12:38:16.196	-7	0.00005	0.00017	0.00255	7.791	0.000752
12:38:17.196	-7	0.00004	0.00012	0.00238	6.294	0.000608
12:38:18.196	-7	0.00003	0.00014	0.00158	4.625	0.000447
12:38:19.196	-7	0.00002	0.00007	0.00141	3.786	0.000366
12:38:20.196	-7	0.00002	0.00013	0.0018	3.696	0.000357
12:38:21.196	-7	0.00002	0.00006	0.00223	4.469	0.000432
12:38:22.196	-7	0.00003	0.00031	0.0038	6.848	0.000661
12:38:23.196	-7	0.00004	0.00035	0.00424	7.925	0.000765
12:38:24.196	-7	0.00004	0.00022	0.00253	6.907	0.000667
12:38:25.196	-7	0.00003	0.00012	0.0014	5.359	0.000518
12:38:26.196	-7	0.00003	0.00009	0.0026	4.665	0.000451
12:38:27.196	-7	0.00003	0.00011	0.00311	4.309	0.000417
12:38:28.196	-7	0.00003	0.00006	0.00297	4.161	0.000402
12:38:29.196	-7	0.00002	0.0001	0.00238	3.947	0.000381
12:38:30.196	-7	0.00002	0.00008	0.00171	3.387	0.000327
12:38:31.196	-7	0.00002	0.0001	0.00087	2.411	0.000233
12:38:32.196	-7	0.00002	0.00014	0.00203	2.488	0.000241
12:38:33.196	-7	0.00003	0.00013	0.00318	3.415	0.000331
12:38:34.196	-7	0.00003	0.00018	0.00298	4.457	0.000431
12:38:35.196	-7	0.00003	0.0001	0.0021	4.774	0.000461
12:38:36.196	-7	0.00003	0.00016	0.0018	4.893	0.000472
12:38:37.196	-7	0.00003	0.0001	0.00196	4.644	0.000448
12:38:38.196	-7	0.00002	0.0001	0.00166	3.715	0.000359
12:38:39.196	-7	0.00002	0.00011	0.00118	2.926	0.000283

35.3	7.00E-01	-1.100	0.800	0.000	0.662	7.600
33.3	8.00E-01	-1.100	0.900	0.000	0.750	10.500
33.3	8.00E-01	-1.100	0.900	0.000	0.757	9.100
32.1	8.00E-01	-1.100	0.900	0.000	0.761	6.600
31.9	8.00E-01	-1.100	0.900	0.000	0.764	9.000
27.6	8.00E-01	-1.100	0.900	0.000	0.765	5.800
27.3	8.00E-01	-1.100	0.900	0.000	0.765	8.200
18.2	8.00E-01	-1.100	0.900	0.000	0.765	4.400
18.1	8.00E-01	-1.100	0.900	0.000	0.761	6.800
14.3	7.00E-01	-1.100	0.900	0.000	0.749	5.700
14.3	7.00E-01	-1.100	0.900	0.000	0.728	9.200
14.4	7.00E-01	-1.100	0.900	0.000	0.706	11.000
14.5	7.00E-01	-0.600	0.900	0.000	0.703	7.000
18.1	7.00E-01	-0.200	0.900	0.000	0.704	7.400
18.2	1.00E+00	0.300	0.900	0.271	0.706	3.500
22.3	1.50E+00	1.000	0.900	0.765	0.709	4.800
22.4	1.40E+00	1.000	0.800	0.791	0.645	1.400
25.9	1.30E+00	1.000	0.700	0.790	0.553	0.400
26	1.30E+00	1.000	0.700	0.787	0.551	1.200
27.7	1.20E+00	0.800	0.700	0.642	0.544	2.600
27.7	1.00E+00	0.600	0.700	0.472	0.539	13.800
29.6	1.00E+00	0.600	0.700	0.460	0.537	15.600
29.7	7.00E-01	0.200	0.700	0.173	0.539	12.800
31.9	6.00E-01	0.100	0.700	0.086	0.542	7.500
32	6.00E-01	0.000	0.700	0.012	0.546	6.000
34.1	6.00E-01	-0.100	0.700	0.000	0.552	8.100
34.1	5.00E-01	-0.200	0.600	0.000	0.477	5.000
34.8	5.00E-01	-0.200	0.600	0.000	0.476	9.000
34.8	5.00E-01	-0.300	0.600	0.000	0.472	3.600
35.4	5.00E-01	-0.300	0.600	0.000	0.466	15.000
35.4	5.00E-01	-0.300	0.700	0.000	0.528	16.100
36.4	5.00E-01	-0.300	0.700	0.000	0.542	10.700
36.5	5.00E-01	-0.200	0.700	0.000	0.549	6.600
38.2	6.00E-01	-0.200	0.700	0.000	0.552	5.000
38.2	6.00E-01	-0.200	0.700	0.000	0.553	6.700
38.6	6.00E-01	-0.200	0.700	0.000	0.552	4.300
38.6	5.00E-01	-0.300	0.700	0.000	0.550	7.700
38.9	6.00E-01	-0.300	0.700	0.000	0.552	6.200
38.9	6.00E-01	-0.300	0.700	0.000	0.563	8.500
38.1	6.00E-01	-0.500	0.700	0.000	0.566	10.700
38.1	6.00E-01	-0.600	0.700	0.000	0.558	8.700
38.6	5.00E-01	-0.700	0.700	0.000	0.549	11.900
38.6	5.00E-01	-0.700	0.700	0.000	0.546	6.600
39	5.00E-01	-0.700	0.700	0.000	0.546	10.100
39	5.00E-01	-0.700	0.700	0.000	0.547	6.800
39.5	5.00E-01	-0.800	0.700	0.000	0.549	7.600
39.5	6.00E-01	-0.800	0.700	0.000	0.554	9.900

1291	32.429	0	299.4	255.265276
1262	31.724	0	299.445818	248.855695
1238	31.221	0	300.082182	244.346179
1156	29.14	0	299.557849	239.836662
1186	25.254	0	299.4	235.327145
1159	20.777	12.6	299.821403	232.940107
1051	16.684	25.5	300.1	231.870588
1115	14.334	25.6	300.1	230.80107
1359	13.122	63.9	300.1	238.190424
1637	12.837	92.5	300.1	250.655102
1915	14.265	80.3	300.83001	263.11978
2145	16.272	75.8	302.347497	287.811989
2105	18.574	74.8	303.474286	328.06651
2180	20.862	72.8	304.558702	368.321031
2226	22.933	70.3	305.2	392.521407
2155	24.651	68.7	304.879841	397.414373
1939	26.168	70.2	304.296815	402.307339
1524	26.777	75.8	303.8	407.117778
1509	27.952	85	303.640968	411.562222
1561	28.52	93.3	302.9489	416.006667
1615	29.699	88.3	302.253503	420.449385
1677	30.71	79.9	301.616561	424.843058
1739	31.817	77.1	300.435857	429.236731
1796	32.96	72	299.624291	433.630404
1759	33.795	55	299.041734	426.990521
1616	34.16	46.7	298.8	413.588136
1482	34.353	59.3	298.468938	400.18575
1460	34.78	66.2	298.1	395.366734
1455	34.843	72.3	298.1	401.741698
1448	35.97	86.8	298.1	408.116662
1484	36.564	77.4	298.1	414.491626
1508	37.105	69.8	298.1	412.362473
1527	37.702	58.6	298.1	410.08625
1536	37.88	60	298.1	407.810028
1547	38.203	63	298.1	405.149717
1562	38.828	64.9	298.646014	402.348783
1551	38.739	40.1	299.264554	399.547849
1538	38.171	40.1	299.4	390.813582
1530	37.88	55.3	299.83288	379.91806
1529	37.88	64.2	300.1	369.022537
1538	38.018	65.3	300.678708	364.657505
1550	38.5	66.1	301.796121	370.81287
1558	38.5	67	302.447887	376.968236
1569	38.62	65.9	303.306893	379.547477
1576	39.082	61.7	304.014996	375.337265
1564	38.519	47.7	304.685455	371.127053
1554	38.5	52.7	306.046112	366.916841

1.71639	0.27873	7.14092	8898.327
1.71641	0.2788	7.14157	8898.946
1.71643	0.27886	7.14186	8899.332
1.71645	0.2789	7.14264	8899.558
1.71647	0.27896	7.14328	8899.72
1.71649	0.279	7.14388	8899.86
1.71651	0.27906	7.14463	8899.982
1.71653	0.27909	7.14547	8900.102
1.71655	0.27915	7.14678	8900.421
1.71658	0.27923	7.15	8901.679
1.71665	0.27948	7.16004	8906.908
1.71673	0.27986	7.17091	8916.955
1.71682	0.28012	7.17845	8928.326
1.71691	0.28041	7.18519	8940.283
1.71704	0.28055	7.19243	8951.611
1.7172	0.2807	7.1974	8960.41
1.71732	0.28073	7.20164	8966.9
1.71741	0.28074	7.20548	8972.392
1.71749	0.28076	7.20863	8977.5
1.71756	0.28081	7.21147	8983.28
1.71763	0.28109	7.2155	8990.424
1.7177	0.28143	7.21825	8998.494
1.71775	0.28173	7.22051	9006.671
1.7178	0.2819	7.22306	9014.462
1.71784	0.28202	7.22544	9020.756
1.71787	0.28216	7.22702	9025.381
1.71789	0.28223	7.22843	9029.167
1.71791	0.28236	7.23023	9032.863
1.71793	0.28242	7.23246	9037.332
1.71796	0.28273	7.23626	9044.18
1.718	0.28308	7.2405	9052.105
1.71804	0.2833	7.24303	9059.012
1.71807	0.28342	7.24443	9064.371
1.7181	0.28351	7.24703	9069.036
1.71813	0.28362	7.25014	9073.345
1.71816	0.28368	7.25311	9077.506
1.71818	0.28378	7.25549	9081.453
1.7182	0.28386	7.2572	9084.84
1.71822	0.28396	7.25807	9087.251
1.71824	0.2841	7.2601	9089.739
1.71827	0.28423	7.26328	9093.154
1.7183	0.28441	7.26626	9097.611
1.71833	0.28451	7.26836	9102.385
1.71836	0.28467	7.27016	9107.278
1.71839	0.28477	7.27212	9111.922
1.71841	0.28487	7.27378	9115.637
1.71843	0.28498	7.27496	9118.563

12:38:40.196	-7	0.00002	0.00009	0.00113	2.376	0.00023
12:38:41.196	-7	0.00002	0.0001	0.00143	2.248	0.000217
12:38:42.196	-7	0.00002	0.00009	0.00162	2.266	0.000219
12:38:43.196	-7	0.00002	0.00016	0.00066	2.017	0.000195
12:38:44.196	-7	0.00002	0.00013	0.0016	1.963	0.00019
12:38:45.196	-7	0.00002	0.00013	0.00169	2.328	0.000225
12:38:46.196	-7	0.00002	0.00015	0.00134	2.695	0.000261
12:38:47.196	-7	0.00002	0.00014	0.00137	2.844	0.000275
12:38:48.196	-7	0.00002	0.00017	0.00194	2.938	0.000284
12:38:49.196	-7	0.00002	0.00013	0.00178	3.01	0.000291
12:38:50.196	-7	0.00002	0.00017	0.00178	3.018	0.000292
12:38:51.196	-7	0.00002	0.00014	0.00178	3.02	0.000292
12:38:52.196	-7	0.00002	0.00017	0.00178	3.029	0.000293
12:38:53.196	-7	0.00002	0.00015	0.00161	3.02	0.000292
12:38:54.196	-7	0.00002	0.00014	0.00122	2.815	0.000272
12:38:55.196	-7	0.00002	0.00015	0.00115	2.454	0.000237
12:38:56.196	-7	0.00002	0.00011	0.0002	1.714	0.000166
12:38:57.196	-7	0.00002	0.00012	0.00011	0.882	0.000085
12:38:58.196	-7	0.00002	0.00006	0.00028	0.397	0.000038
12:38:59.196	-7	0.00002	0.00007	0.00056	0.266	0.000026
12:39:00.196	-7	0.00002	0.00007	0.00094	0.221	0.000022
12:39:01.196	-7	0.00002	0.00005	0.00104	0.182	0.000018
12:39:02.196	-7	0.00002	0.00005	0.0011	0.159	0.000016
12:39:03.196	-7	0.00002	0.00004	0.00104	0.169	0.000017
12:39:04.196	-7	0.00002	0.00006	0.00088	0.217	0.000021
12:39:05.196	-7	0.00002	0.00004	0.00081	0.261	0.000025
12:39:06.196	-7	0.00002	0.00005	0.00102	0.36	0.000035
12:39:07.196	-7	0.00002	0.00004	0.00124	0.48	0.000047
12:39:08.196	-7	0.00002	0.00004	0.00178	1.048	0.000102
12:39:09.196	-7	0.00003	0.00009	0.0033	2.149	0.000208
12:39:10.196	-7	0.00004	0.00005	0.00403	3.635	0.000352
12:39:11.196	-7	0.00004	0.00012	0.00319	4.529	0.000438
12:39:12.196	-7	0.00005	0.00015	0.00249	6.28	0.000607
12:39:13.196	-7	0.00011	0.00048	0.00707	14.101	0.001361
12:39:14.196	-7	0.00076	0.00058	0.00899	23.951	0.002312
12:39:15.196	-7	0.00385	0.00023	0.01117	22.797	0.002202
12:39:16.196	-7	0.00892	0.00038	0.01571	26.077	0.00252
12:39:17.196	-7	0.01477	0.00012	0.01633	24.737	0.002391
12:39:18.196	-7	0.01353	0.00032	0.01214	20.136	0.001945
12:39:19.196	-7	0.01032	0.00012	0.00855	18.098	0.001748
12:39:20.196	-7	0.0077	0.00024	0.00671	18.122	0.001749
12:39:21.196	-7	0.0054	0.00016	0.00702	17.235	0.001664
12:39:22.196	-7	0.00299	0.00006	0.00673	12.057	0.001165
12:39:23.196	-7	0.00195	0.00017	0.00641	9.731	0.000941
12:39:24.196	-7	0.00138	0.00009	0.00535	8.578	0.000829
12:39:25.196	-7	0.00086	0.00015	0.00407	6.864	0.000663
12:39:26.196	-7	0.0005	0.00007	0.00362	5.479	0.00053

39.1	6.00E-01	-0.800	0.700	0.000	0.558	9.200
39.1	6.00E-01	-0.800	0.700	0.000	0.558	10.300
38.7	6.00E-01	-0.800	0.700	0.000	0.559	9.500
38.7	6.00E-01	-0.800	0.700	0.000	0.565	15.400
37.6	6.00E-01	-0.900	0.700	0.000	0.568	11.600
37.6	6.00E-01	-1.000	0.700	0.000	0.564	11.000
37.3	6.00E-01	-1.000	0.700	0.000	0.559	13.000
37.3	6.00E-01	-1.000	0.700	0.000	0.557	12.400
36.8	6.00E-01	-1.000	0.800	0.000	0.635	14.900
36.8	6.00E-01	-1.000	0.800	0.000	0.635	10.800
36.8	6.00E-01	-1.000	0.800	0.000	0.635	14.700
36.8	6.00E-01	-1.000	0.800	0.000	0.635	12.100
36.8	6.00E-01	-1.000	0.800	0.000	0.634	14.400
36.8	6.00E-01	-1.000	0.800	0.000	0.634	13.300
36.7	6.00E-01	-1.000	0.800	0.000	0.633	13.200
36.7	6.00E-01	-1.000	0.800	0.000	0.637	15.000
36.2	6.00E-01	-1.000	0.800	0.000	0.649	12.000
36.2	7.00E-01	-1.000	0.800	0.000	0.664	14.000
34.6	7.00E-01	-1.000	0.800	0.000	0.673	8.800
34.5	7.00E-01	-1.100	0.800	0.000	0.677	9.600
30.6	7.00E-01	-1.100	0.800	0.000	0.678	9.100
30.5	7.00E-01	-1.200	0.800	0.000	0.679	7.300
24.6	8.00E-01	-1.300	0.900	0.000	0.764	7.500
24.3	8.00E-01	-1.300	0.900	0.000	0.763	6.000
17.3	8.00E-01	-1.300	0.900	0.000	0.762	9.600
17.1	8.00E-01	-1.300	0.900	0.000	0.760	6.800
11.2	8.00E-01	-1.300	0.900	0.000	0.757	8.400
10.9	8.00E-01	-1.300	0.900	0.000	0.753	6.000
3.7	7.00E-01	-1.300	0.900	0.000	0.746	4.300
3.6	7.00E-01	-1.300	0.900	0.000	0.734	7.100
0	7.00E-01	-1.300	0.900	0.000	0.717	3.400
0.3	8.00E-01	-1.300	1.000	0.000	0.776	7.600
8.3	8.00E-01	-1.100	1.000	0.000	0.782	7.400
8.4	8.00E-01	-1.100	1.000	0.000	0.776	11.100
12.4	3.10E+00	2.900	1.000	2.292	0.777	7.800
12.6	1.54E+01	18.700	1.000	14.599	0.782	3.000
21.5	3.02E+01	37.500	1.000	29.427	0.784	4.300
21.8	5.10E+01	63.800	1.000	50.178	0.787	1.400
31.3	6.07E+01	76.200	1.300	59.661	0.999	4.700
31.5	5.41E+01	67.700	1.800	52.704	1.384	2.100
38.4	4.06E+01	50.300	1.900	39.153	1.479	4.200
38.5	2.87E+01	34.800	1.900	27.216	1.485	2.900
43.4	2.11E+01	24.900	1.900	19.594	1.495	1.300
43.5	1.71E+01	19.900	1.800	15.675	1.423	4.900
46.5	1.42E+01	16.400	1.800	12.820	1.411	3.000
46.5	1.07E+01	11.800	1.800	9.276	1.415	6.100
47.5	7.60E+00	7.900	1.800	6.221	1.418	3.600

1547	38.5	57.8	307.32699	356.509959
1528	38.057	30.3	307.4	346.078191
1518	37.88	37.7	308.008333	335.646423
1530	37.177	49	308.1	333.103357
1536	36.64	52.6	308.595451	332.256889
1536	36.64	53.2	309.237109	331.41042
1539	36.64	54.9	309.6	331.606319
1525	36.64	54.3	309.819119	333.38546
1521	36.64	54.7	310.667431	335.164601
1518	36.64	53.9	312.075333	336.729599
1522	36.64	55.3	313.37728	336.945648
1516	36.095	56	314.017339	337.161698
1509	36.02	56.1	314.659541	337.377747
1514	36.435	55.8	315.299543	331.185569
1469	36.205	22.3	315.4	324.257553
1424	35.521	1.5	316.082677	317.329537
1387	34.524	0	316.1	303.998892
1345	33.745	0	316.1	290.245046
1256	31.671	0	316.701101	276.4912
1321	28.497	0	316.3703	267.478431
1366	25.235	0	316.499047	260.615686
1192	22.302	0.9	316.9	253.752941
1155	18.955	5.3	316.9	247.802715
1106	16.002	15.3	316.9	245.087783
977	12.887	25.1	316.701248	242.372851
1042	9.124	26.2	316.1	241.097167
840	5.408	32.3	316.1	242.529925
773	2.039	40.7	316.1	243.962683
879	1.094	50.6	316.1	249.718019
1375	4.054	70.2	316.242789	266.812291
1662	6.398	76.6	316.880239	283.906563
1660	8.323	73.8	317.578979	301.000835
1746	10.286	81.9	319.009628	330.741197
2138	13.463	77.7	319.75616	361.521714
2675	18.354	74	320	392.30223
2936	23.694	76.2	318.778142	427.743001
2932	28.523	77.5	317.6	467.555018
2956	32.886	73.7	317.6	507.367036
2732	36.468	76	319.318114	527.458764
2340	39.237	81.3	321.650459	530.547711
2272	41.674	80.6	324.648387	533.636658
2383	44.101	73.8	326.685008	524.061905
2040	45.576	71	328.997608	512.252381
1891	46.338	72.5	331.605709	500.442857
1892	46.888	71.8	333.305435	489.913224
1759	47.2	69.5	334.723651	479.932116
1567	47.2	73.4	336.115531	469.951008

1.71845	0.28507	7.27609	9120.939
1.71847	0.28517	7.27752	9123.187
1.71849	0.28526	7.27914	9125.453
1.71851	0.28542	7.2798	9127.47
1.71853	0.28555	7.2814	9129.433
1.71855	0.28568	7.28309	9131.761
1.71857	0.28583	7.28443	9134.456
1.71859	0.28597	7.2858	9137.3
1.71861	0.28614	7.28774	9140.238
1.71863	0.28627	7.28952	9143.248
1.71865	0.28644	7.2913	9146.266
1.71867	0.28658	7.29308	9149.286
1.71869	0.28675	7.29486	9152.315
1.71871	0.2869	7.29647	9155.335
1.71873	0.28704	7.29769	9158.15
1.71875	0.28719	7.29884	9160.604
1.71877	0.2873	7.29904	9162.318
1.71879	0.28742	7.29915	9163.2
1.71881	0.28748	7.29943	9163.597
1.71883	0.28755	7.29999	9163.863
1.71885	0.28762	7.30093	9164.084
1.71887	0.28767	7.30197	9164.266
1.71889	0.28772	7.30307	9164.425
1.71891	0.28776	7.30411	9164.594
1.71893	0.28782	7.30499	9164.811
1.71895	0.28786	7.3058	9165.072
1.71897	0.28791	7.30682	9165.432
1.71899	0.28795	7.30806	9165.912
1.71901	0.28799	7.30984	9166.96
1.71904	0.28808	7.31314	9169.109
1.71908	0.28813	7.31717	9172.744
1.71912	0.28825	7.32036	9177.273
1.71917	0.2884	7.32285	9183.553
1.71928	0.28888	7.32992	9197.654
1.72004	0.28946	7.33891	9221.605
1.72389	0.28969	7.35008	9244.402
1.73281	0.29007	7.36579	9270.479
1.74758	0.29019	7.38212	9295.216
1.76111	0.29051	7.39426	9315.352
1.77143	0.29063	7.40281	9333.45
1.77913	0.29087	7.40952	9351.572
1.78453	0.29103	7.41654	9368.807
1.78752	0.29109	7.42327	9380.864
1.78947	0.29126	7.42968	9390.595
1.79085	0.29135	7.43503	9399.173
1.79171	0.2915	7.4391	9406.037
1.79221	0.29157	7.44272	9411.516

12:39:27.196	-7	0.00031	0.00012	0.00335	5.064	0.000489
12:39:28.196	-7	0.00021	0.00009	0.00304	5.079	0.000491
12:39:29.196	-7	0.00016	0.00007	0.00265	5.162	0.000499
12:39:30.196	-7	0.00012	0.00013	0.00233	5.36	0.000517
12:39:31.196	-7	0.00011	0.0001	0.0019	5.724	0.000552
12:39:32.196	-7	0.0001	0.00019	0.00186	6.877	0.000663
12:39:33.196	-7	0.00008	0.00019	0.00282	8.169	0.000788
12:39:34.196	-7	0.00008	0.00023	0.00324	8.554	0.000825
12:39:35.196	-7	0.00007	0.00017	0.00315	8.626	0.000832
12:39:36.196	-7	0.00007	0.00014	0.00291	7.682	0.000741
12:39:37.196	-7	0.00005	0.00015	0.00162	6.098	0.000589
12:39:38.196	-7	0.00005	0.00006	0.00259	5.252	0.000508
12:39:39.196	-7	0.00005	0.00012	0.00267	4.951	0.000479
12:39:40.196	-7	0.00004	0.00008	0.00226	5.038	0.000487
12:39:41.196	-7	0.00004	0.00013	0.00171	4.881	0.000471
12:39:42.196	-7	0.00004	0.0001	0.00141	4.592	0.000443
12:39:43.196	-7	0.00004	0.00009	0.00133	4.251	0.000411
12:39:44.196	-7	0.00003	0.0001	0.00154	3.578	0.000346
12:39:45.196	-7	0.00003	0.00009	0.0015	3.112	0.000301
12:39:46.196	-7	0.00003	0.00013	0.00134	2.564	0.000248
12:39:47.196	-7	0.00003	0.0001	0.00161	2.666	0.000258
12:39:48.196	-7	0.00003	0.00022	0.0023	3.872	0.000374
12:39:49.196	-7	0.00004	0.00027	0.00289	5.561	0.000537
12:39:50.196	-7	0.00005	0.00025	0.00335	7.682	0.000741
12:39:51.196	-7	0.00005	0.00023	0.0029	8.423	0.000812
12:39:52.196	-7	0.00006	0.00009	0.00266	8.558	0.000825
12:39:53.196	-7	0.00005	0.00019	0.00247	7.948	0.000767
12:39:54.196	-7	0.00005	0.0001	0.00214	6.979	0.000674
12:39:55.196	-7	0.00005	0.00018	0.00282	6.948	0.000671
12:39:56.196	-7	0.00005	0.00012	0.00283	7.021	0.000678
12:39:57.196	-7	0.00005	0.00014	0.0027	6.94	0.00067
12:39:58.196	-7	0.00005	0.00021	0.00233	7.055	0.000681
12:39:59.196	-7	0.00005	0.0002	0.00181	7.31	0.000705
12:40:00.196	-7	0.00005	0.00025	0.00153	6.946	0.00067
12:40:01.196	-7	0.00005	0.00017	0.00175	6.207	0.000599
12:40:02.196	-7	0.00005	0.00023	0.00266	6.006	0.00058
12:40:03.196	-7	0.00005	0.0002	0.003	6.378	0.000616
12:40:04.196	-7	0.00005	0.0002	0.00265	6.733	0.00065
12:40:05.196	-7	0.00005	0.00024	0.00221	6.583	0.000635
12:40:06.196	-7	0.00005	0.00018	0.0022	6.568	0.000634
12:40:07.196	-7	0.00005	0.0002	0.0021	6.162	0.000595
12:40:08.196	-7	0.00004	0.00015	0.00199	5.679	0.000548
12:40:09.196	-7	0.00004	0.0002	0.00241	5.536	0.000535
12:40:10.196	-7	0.00004	0.00017	0.00243	5.479	0.000529
12:40:11.196	-7	0.00004	0.00016	0.00171	4.771	0.000461
12:40:12.196	-7	0.00003	0.00013	0.00069	2.862	0.000277
12:40:13.196	-7	0.00002	0.00009	0	1.55	0.00015

47.5	5.20E+00	5.000	1.700	3.901	1.337	6.700
47.8	3.70E+00	3.000	1.700	2.347	1.331	5.500
47.8	2.90E+00	2.000	1.700	1.596	1.324	4.100
47.6	2.30E+00	1.400	1.500	1.113	1.173	7.800
47.6	2.00E+00	1.100	1.400	0.860	1.092	6.000
47.6	1.50E+00	0.500	1.400	0.394	1.078	9.800
47.6	1.00E+00	0.000	1.300	0.036	1.009	8.600
48.1	1.00E+00	-0.100	1.300	0.000	0.997	9.700
48.1	9.00E-01	-0.100	1.100	0.000	0.857	6.900
49	9.00E-01	-0.100	1.100	0.000	0.854	6.100
49	8.00E-01	-0.200	1.000	0.000	0.785	7.100
49.5	8.00E-01	-0.200	1.000	0.000	0.789	3.300
49.5	8.00E-01	-0.200	1.000	0.000	0.787	6.500
49.5	8.00E-01	-0.200	1.000	0.000	0.783	4.600
49.5	8.00E-01	-0.200	1.000	0.000	0.781	8.200
49.7	8.00E-01	-0.200	1.000	0.000	0.782	6.700
49.7	8.00E-01	-0.200	1.000	0.000	0.783	6.000
49.8	8.00E-01	-0.200	1.000	0.000	0.785	8.100
49.8	8.00E-01	-0.200	1.000	0.000	0.789	8.100
49.4	8.00E-01	-0.300	1.000	0.000	0.794	12.600
49.4	7.00E-01	-0.400	0.900	0.000	0.718	9.000
48.3	7.00E-01	-0.500	0.900	0.000	0.708	16.200
48.3	7.00E-01	-0.600	0.900	0.000	0.700	15.700
47.6	7.00E-01	-0.600	0.900	0.000	0.694	11.000
47.6	7.00E-01	-0.700	0.900	0.000	0.692	9.600
47.6	7.00E-01	-0.700	0.900	0.000	0.693	3.600
47.6	7.00E-01	-0.600	0.900	0.000	0.696	8.000
48.6	7.00E-01	-0.600	0.900	0.000	0.700	4.600
48.6	7.00E-01	-0.600	0.900	0.000	0.701	7.900
48.8	7.00E-01	-0.500	0.900	0.000	0.700	5.600
48.8	7.00E-01	-0.300	0.900	0.000	0.697	6.800
48.9	7.00E-01	-0.200	0.900	0.000	0.696	9.900
48.9	8.00E-01	-0.200	1.000	0.000	0.760	9.400
48.8	8.00E-01	-0.200	1.000	0.000	0.772	12.400
48.8	8.00E-01	-0.200	1.000	0.000	0.777	8.600
48.6	8.00E-01	-0.200	1.000	0.000	0.780	11.800
48.6	8.00E-01	-0.200	1.000	0.000	0.779	10.000
48.1	8.00E-01	-0.300	1.000	0.000	0.776	9.700
48.1	8.00E-01	-0.300	1.000	0.000	0.776	12.000
48.2	8.00E-01	-0.300	1.000	0.000	0.775	8.900
48.2	8.00E-01	-0.300	1.000	0.000	0.777	10.700
48.2	7.00E-01	-0.300	0.900	0.000	0.701	8.300
48.2	7.00E-01	-0.300	0.900	0.000	0.702	11.300
47.9	7.00E-01	-0.300	0.900	0.000	0.701	9.600
47.9	7.00E-01	-0.300	0.900	0.000	0.701	10.800
47.3	7.00E-01	-0.300	0.900	0.000	0.714	11.400
47.2	7.00E-01	-0.400	0.900	0.000	0.734	9.400

1517	47.2	79.5	337.062375	463.571536
1519	47.2	82.3	337.662921	460.463782
1514	47.2	82.7	338.1	457.356027
1515	47.2	85.1	338.1992	454.698939
1518	47.2	85.5	338.9	457.154973
1525	47.2	87.5	338.9	459.611007
1538	47.627	79.8	339.478348	462.067041
1553	48.144	78.2	340.647436	462.2154
1568	48.664	76.1	342.262866	461.724213
1579	49.06	68.2	343.914	461.233025
1580	49.06	62.4	345.1534	459.340138
1578	49.06	70.8	345.858571	454.495848
1580	49.06	77.3	346.593846	449.651557
1584	49.06	74	347.644222	445.214942
1584	49.06	65.2	348.741536	441.314344
1582	49.06	64.5	349.433834	437.413746
1581	49.06	59.6	350	431.558745
1572	49.06	53.9	350.17646	419.93323
1559	48.414	47.6	350.7	408.307716
1543	47.82	62.8	350.7	400.6
1531	47.732	88.4	350.7	400.6
1518	47.2	73.5	350.7	400.6
1511	47.2	77.7	350.7	401.671455
1515	47.2	78	350.715226	416.348925
1527	47.608	80.9	351.349643	431.026395
1538	47.82	79.4	352.829268	445.703864
1549	48.246	75.8	354.572113	449.043005
1551	48.44	76.2	355.223772	450.597409
1553	48.44	76.9	356.385441	452.151813
1554	48.44	77.9	356.9	455.63157
1553	48.44	80	356.9	460.488465
1554	48.44	82.2	356.9	465.34536
1550	48.44	81	356.9	468.929129
1550	47.95	73.9	356.956428	463.518882
1538	47.82	73.8	357.7	458.108635
1531	47.82	76.1	357.7	455.028207
1535	47.82	80.3	357.7	456.614414
1536	47.82	77.1	357.7	458.200621
1536	47.82	78.9	357.7	458.357479
1531	47.82	79.1	357.26864	456.642648
1530	47.679	77.6	356.9	454.927818
1521	47.2	76.1	356.9	452.711079
1517	47.2	77.8	356.9	449.228965
1507	47.09	70.2	356.9	445.74685
1480	45.943	27.6	356.9	439.077551
1442	44.881	1.9	356.9	410.097959
1402	43.449	0	356.690258	381.118367

1.79252	0.29169	7.44607	9416.58
1.79273	0.29178	7.44911	9421.659
1.79289	0.29185	7.45176	9426.821
1.79301	0.29198	7.45409	9432.181
1.79312	0.29208	7.45599	9437.905
1.79322	0.29227	7.45785	9444.782
1.7933	0.29246	7.46067	9452.951
1.79338	0.29269	7.46391	9461.505
1.79345	0.29286	7.46706	9470.131
1.79352	0.293	7.46997	9477.813
1.79357	0.29315	7.47159	9483.911
1.79362	0.29321	7.47418	9489.163
1.79367	0.29333	7.47685	9494.114
1.79371	0.29341	7.47911	9499.152
1.79375	0.29354	7.48082	9504.033
1.79379	0.29364	7.48223	9508.625
1.79383	0.29373	7.48356	9512.876
1.79386	0.29383	7.4851	9516.454
1.79389	0.29392	7.4866	9519.566
1.79392	0.29405	7.48794	9522.13
1.79395	0.29415	7.48955	9524.796
1.79398	0.29437	7.49185	9528.668
1.79402	0.29464	7.49474	9534.229
1.79407	0.29489	7.49809	9541.911
1.79412	0.29512	7.50099	9550.334
1.79418	0.29521	7.50365	9558.892
1.79423	0.2954	7.50612	9566.84
1.79428	0.2955	7.50826	9573.819
1.79433	0.29568	7.51108	9580.767
1.79438	0.2958	7.51391	9587.788
1.79443	0.29594	7.51661	9594.728
1.79448	0.29615	7.51894	9601.783
1.79453	0.29635	7.52075	9609.093
1.79458	0.2966	7.52228	9616.039
1.79463	0.29677	7.52403	9622.246
1.79468	0.297	7.52669	9628.252
1.79473	0.2972	7.52969	9634.63
1.79478	0.2974	7.53234	9641.363
1.79483	0.29764	7.53455	9647.946
1.79488	0.29782	7.53675	9654.514
1.79493	0.29802	7.53885	9660.676
1.79497	0.29817	7.54084	9666.355
1.79501	0.29837	7.54325	9671.891
1.79505	0.29854	7.54568	9677.37
1.79509	0.2987	7.54739	9682.141
1.79512	0.29883	7.54808	9685.003
1.79514	0.29892	7.54808	9686.553

12:40:14.196	-7	0.00002	0.00012	0.00023	0.776	0.000075
12:40:15.196	-7	0.00002	0.00007	0.00049	0.404	0.000039
12:40:16.196	-7	0.00002	0.0001	0.00092	0.294	0.000029
12:40:17.196	-7	0.00002	0.00008	0.00122	0.242	0.000024
12:40:18.196	-7	0.00002	0.0001	0.00115	0.222	0.000022
12:40:19.196	-7	0.00002	0.00008	0.00123	0.21	0.000021
12:40:20.196	-7	0.00002	0.00006	0.0012	0.184	0.000018
12:40:21.196	-7	0.00002	0.00006	0.00103	0.148	0.000015
12:40:22.196	-7	0.00002	0.00003	0.00095	0.14	0.000014
12:40:23.196	-7	0.00001	0.00004	0.00092	0.158	0.000015
12:40:24.196	-7	0.00002	0.00005	0.00137	0.394	0.000038
12:40:25.196	-7	0.00003	0.00012	0.00431	1.875	0.000182
12:40:26.196	-7	0.00008	0.00087	0.01306	8.355	0.00081
12:40:27.196	-7	0.00014	0.00116	0.01629	20.418	0.001974
12:40:28.196	-7	0.00091	0.0008	0.01071	20.5	0.00198
12:40:29.196	-7	0.00198	0.00027	0.00935	17.561	0.001696
12:40:30.196	-7	0.00209	0.00038	0.00944	16.117	0.001557
12:40:31.196	-7	0.00203	0.00022	0.0075	14.937	0.001443
12:40:32.196	-7	0.00139	0.00027	0.00748	11.797	0.00114
12:40:33.196	-7	0.0009	0.0002	0.00595	9.412	0.00091
12:40:34.196	-7	0.00055	0.0001	0.00422	7.008	0.000677
12:40:35.196	-7	0.00029	0.00015	0.00298	5.139	0.000497
12:40:36.196	-7	0.0002	0.00007	0.00223	4.392	0.000425
12:40:37.196	-7	0.00012	0.00015	0.00199	3.811	0.000369
12:40:38.196	-7	0.00008	0.00012	0.00218	3.896	0.000377
12:40:39.196	-7	0.00006	0.00014	0.00286	4.488	0.000434
12:40:40.196	-7	0.00005	0.00014	0.00251	5.599	0.00054
12:40:41.196	-7	0.00005	0.00011	0.00181	7.222	0.000696
12:40:42.196	-7	0.00005	0.00006	0.0021	8.386	0.000808
12:40:43.196	-7	0.00005	0	0.00208	8.184	0.000789
12:40:44.196	-7	0.00005	0.00007	0.00218	6.966	0.000672
12:40:45.196	-7	0.00004	0.00003	0.00127	5.08	0.00049
12:40:46.196	-7	0.00003	0.00006	0.00093	3.292	0.000318
12:40:47.196	-7	0.00003	0.00005	0.00089	2.341	0.000226
12:40:48.196	-7	0.00002	0.00005	0.00057	1.658	0.00016
12:40:49.196	-7	0.00002	0.00008	0.00069	1.161	0.000112
12:40:50.196	-7	0.00002	0.00006	0.00066	0.764	0.000074
12:40:51.196	-7	0.00002	0.00011	0.00114	0.572	0.000056
12:40:52.196	-7	0.00002	0.00008	0.00167	0.676	0.000066
12:40:53.196	-7	0.00002	0.0001	0.00174	0.863	0.000084
12:40:54.196	-7	0.00002	0.00008	0.00175	1.24	0.00012
12:40:55.196	-7	0.00003	0.00008	0.00274	1.842	0.000179
12:40:56.196	-7	0.00003	0.00008	0.00229	2.299	0.000223
12:40:57.196	-7	0.00003	0.00006	0.00172	2.539	0.000246
12:40:58.196	-7	0.00003	0.00009	0.00148	2.737	0.000265
12:40:59.196	-7	0.00003	0.00007	0.00142	2.843	0.000275
12:41:00.196	-7	0.00003	0.00011	0.00123	2.873	0.000278

44.8	7.00E-01	-0.600	0.800	0.000	0.676	14.400
44.7	7.00E-01	-0.700	0.800	0.000	0.674	9.600
41.8	7.00E-01	-0.800	0.800	0.000	0.677	12.300
41.7	7.00E-01	-0.800	0.800	0.000	0.678	10.500
36.6	7.00E-01	-0.900	0.800	0.000	0.678	12.800
36.5	7.00E-01	-1.000	0.800	0.000	0.679	9.400
30.5	7.00E-01	-1.100	0.800	0.000	0.679	7.100
30.3	7.00E-01	-1.200	0.800	0.000	0.680	8.800
22	7.00E-01	-1.200	0.800	0.000	0.680	4.000
21.8	7.00E-01	-1.300	0.800	0.000	0.679	6.700
13.6	7.00E-01	-1.300	0.800	0.000	0.675	5.200
13.5	7.00E-01	-1.300	0.800	0.000	0.661	7.200
12	6.00E-01	-1.300	0.800	0.000	0.641	22.800
12.2	6.00E-01	-0.900	0.800	0.000	0.626	17.000
17.6	4.10E+00	4.400	0.800	3.458	0.625	11.800
18	1.01E+01	12.200	0.800	9.521	0.626	4.600
27.8	1.21E+01	14.700	0.800	11.476	0.624	7.400
27.9	1.22E+01	14.800	0.800	11.609	0.626	4.400
35	1.01E+01	11.900	0.900	9.399	0.698	6.400
35.2	8.00E+00	9.300	0.800	7.368	0.630	6.000
39.5	6.60E+00	7.400	0.900	5.855	0.709	4.100
39.6	4.70E+00	5.100	0.900	3.987	0.710	8.100
42	3.70E+00	3.700	0.900	2.940	0.713	4.000
42	2.40E+00	2.100	0.900	1.654	0.715	9.700
42.7	1.60E+00	1.200	0.900	0.911	0.712	8.300
42.7	1.10E+00	0.500	0.900	0.412	0.706	9.100
43	9.00E-01	0.200	0.900	0.175	0.697	8.300
43.1	7.00E-01	0.000	0.900	0.000	0.690	5.600
44.4	7.00E-01	-0.100	0.900	0.000	0.690	2.800
44.4	7.00E-01	-0.200	0.900	0.000	0.691	-0.600
45.9	7.00E-01	-0.200	0.900	0.000	0.695	3.400
45.9	7.00E-01	-0.200	0.900	0.000	0.703	2.000
47.5	7.00E-01	-0.200	0.900	0.000	0.712	5.200
47.5	7.00E-01	-0.200	0.900	0.000	0.721	4.300
47.4	7.00E-01	-0.400	0.900	0.000	0.731	5.300
47.4	7.00E-01	-0.700	0.900	0.000	0.741	9.300
46.6	7.00E-01	-0.900	0.800	0.000	0.675	7.100
46.6	7.00E-01	-0.900	0.800	0.000	0.670	13.800
45.6	7.00E-01	-1.000	0.800	0.000	0.670	8.900
45.6	7.00E-01	-1.000	0.800	0.000	0.667	9.600
44.8	7.00E-01	-1.000	0.800	0.000	0.661	8.000
44.8	7.00E-01	-1.000	0.900	0.000	0.733	7.400
44.2	8.00E-01	-1.000	1.000	0.000	0.795	7.400
44.2	9.00E-01	-1.000	1.100	0.000	0.879	5.300
43.6	9.00E-01	-1.000	1.100	0.000	0.875	8.400
43.6	9.00E-01	-1.000	1.100	0.000	0.873	5.900
43	9.00E-01	-1.000	1.100	0.000	0.871	9.800

1348	42.24	0	355.794694	358.478472
1288	40.206	0	355.161852	344.242361
1293	37.379	0	354.425455	330.00625
1366	34.563	0	352.987261	315.770139
1432	31.206	0	352.350318	306.455678
1477	28.459	0	351.718009	297.272596
1313	24.2	11.2	351.5	288.089513
1091	18.463	20.6	351.086055	282.358803
1045	13.921	17.7	350.7	279.78946
1154	11.761	15.4	350.7	277.220117
1259	11.193	46.3	350.61234	277.684961
1650	12.223	80.5	350.028236	306.395898
2157	14.955	69.5	350.684897	335.106836
2629	18.873	79.9	350.835909	364.098347
2718	24.602	76.3	352.926818	404.032242
2770	29.189	71.7	354.994832	443.966136
2501	32.73	74.4	355.929445	483.90003
2178	35.705	69	356.1	493.080135
2072	38.121	68.3	355.634544	488.890946
2098	39.838	71.9	355.4	484.701757
1850	41.032	65.1	354.778134	473.726526
1680	41.869	60.4	353.60416	460.329681
1714	42.23	58.6	352.667027	446.932837
1687	42.23	60.9	351.993211	438.05185
1503	42.28	75	351.279496	436.601716
1447	42.838	91.3	350.7	435.151583
1403	43.403	84.2	350.7	433.70145
1424	44.396	80.7	350.7	443.276213
1447	45.105	81.1	350.7	452.862012
1475	46.011	77.9	350.7	462.447811
1496	46.826	66.4	350.7	454.638478
1506	47.2	50.8	350.7	436.122289
1509	47.038	37.2	350.396413	417.606099
1501	46.58	21.4	350	398.248626
1487	46.354	6.3	349.479551	377.811698
1473	45.625	11.1	348.740229	357.374771
1456	45.073	18.5	348.5	342.866667
1440	44.71	23.3	347.733083	332.311111
1438	44.488	32.1	347	321.755556
1454	44.09	45.6	346.631244	318.63237
1459	44	50.3	346.3	321.840462
1460	43.47	52.7	346.3	325.048555
1454	43.47	56.1	346.3	328.391204
1434	42.997	55.4	346.3	333.28125
1426	42.85	54.2	346.3	338.171296
1417	42.511	54	346.790446	343.061343
1407	41.982	54.5	347	345.554355

1.79516	0.29904	7.54831	9687.329
1.79518	0.29911	7.5488	9687.733
1.7952	0.29921	7.54972	9688.027
1.79522	0.29929	7.55094	9688.269
1.79524	0.29939	7.55209	9688.491
1.79526	0.29947	7.55332	9688.701
1.79528	0.29953	7.55452	9688.885
1.7953	0.29959	7.55555	9689.033
1.79532	0.29962	7.5565	9689.173
1.79533	0.29966	7.55742	9689.331
1.79535	0.29971	7.55879	9689.725
1.79538	0.29983	7.5631	9691.6
1.79546	0.3007	7.57616	9699.955
1.7956	0.30186	7.59245	9720.373
1.79651	0.30266	7.60316	9740.873
1.79849	0.30293	7.61251	9758.434
1.80058	0.30331	7.62195	9774.551
1.80261	0.30353	7.62945	9789.488
1.804	0.3038	7.63693	9801.285
1.8049	0.304	7.64288	9810.697
1.80545	0.3041	7.6471	9817.705
1.80574	0.30425	7.65008	9822.844
1.80594	0.30432	7.65231	9827.236
1.80606	0.30447	7.6543	9831.047
1.80614	0.30459	7.65648	9834.943
1.8062	0.30473	7.65934	9839.431
1.80625	0.30487	7.66185	9845.03
1.8063	0.30498	7.66366	9852.252
1.80635	0.30504	7.66576	9860.638
1.8064	0.30504	7.66784	9868.822
1.80645	0.30511	7.67002	9875.788
1.80649	0.30514	7.67129	9880.868
1.80652	0.3052	7.67222	9884.16
1.80655	0.30525	7.67311	9886.501
1.80657	0.3053	7.67368	9888.159
1.80659	0.30538	7.67437	9889.32
1.80661	0.30544	7.67503	9890.084
1.80663	0.30555	7.67617	9890.656
1.80665	0.30563	7.67784	9891.332
1.80667	0.30573	7.67958	9892.195
1.80669	0.30581	7.68133	9893.435
1.80672	0.30589	7.68407	9895.277
1.80675	0.30597	7.68636	9897.576
1.80678	0.30603	7.68808	9900.115
1.80681	0.30612	7.68956	9902.852
1.80684	0.30619	7.69098	9905.695
1.80687	0.3063	7.69221	9908.568

12:41:01.196	-7	0.00003	0.0001	0.00106	2.877	0.000278
12:41:02.196	-7	0.00003	0.00011	0.00127	3.056	0.000295
12:41:03.196	-7	0.00004	0.00015	0.0015	4.077	0.000394
12:41:04.196	-7	0.00005	0.00012	0.00201	4.962	0.000479
12:41:05.196	-7	0.00005	0.00015	0.00235	5.689	0.000549
12:41:06.196	-7	0.00005	0.00007	0.00173	5.842	0.000564
12:41:07.196	-7	0.00005	0.00009	0.00214	5.412	0.000522
12:41:08.196	-7	0.00004	0.00007	0.00099	4.16	0.000402
12:41:09.196	-7	0.00003	0.00004	0.00095	3.207	0.00031
12:41:10.196	-7	0.00003	0.00009	0.00134	2.504	0.000242
12:41:11.196	-7	0.00003	0.00007	0.002	2.632	0.000255
12:41:12.196	-7	0.00004	0.00013	0.0024	3.765	0.000364
12:41:13.196	-7	0.00003	0.00011	0.00128	4.063	0.000392
12:41:14.196	-7	0.00003	0.00012	0.00133	3.915	0.000378
12:41:15.196	-7	0.00003	0.0001	0.00146	3.648	0.000352
12:41:16.196	-7	0.00003	0.00008	0.00134	3.174	0.000307
12:41:17.196	-7	0.00003	0.0001	0.00108	2.596	0.000251
12:41:18.196	-7	0.00002	0.00005	0.00097	2.201	0.000213
12:41:19.196	-7	0.00002	0.0001	0.00069	1.931	0.000187
12:41:20.196	-7	0.00002	0.00007	0.00109	1.724	0.000167
12:41:21.196	-7	0.00002	0.00009	0.00154	1.594	0.000154
12:41:22.196	-7	0.00002	0.00008	0.00169	1.53	0.000148
12:41:23.196	-7	0.00002	0.00009	0.00171	1.643	0.000159
12:41:24.196	-7	0.00003	0.00011	0.00198	2.011	0.000195
12:41:25.196	-7	0.00003	0.0001	0.00223	3.193	0.000309
12:41:26.196	-7	0.00004	0.00018	0.00304	4.21	0.000407
12:41:27.196	-7	0.00004	0.0001	0.00232	4.725	0.000456
12:41:28.196	-7	0.00004	0.00012	0.00164	4.87	0.00047
12:41:29.196	-7	0.00004	0.00008	0.00152	5.026	0.000485
12:41:30.196	-7	0.00004	0.00007	0.00164	5.407	0.000522
12:41:31.196	-7	0.00004	0.00011	0.00192	5.628	0.000543
12:41:32.196	-7	0.00004	0.00007	0.00183	5.355	0.000517
12:41:33.196	-7	0.00004	0.0001	0.0017	4.797	0.000463
12:41:34.196	-7	0.00003	0.00004	0.0019	4.356	0.000421
12:41:35.196	-7	0.00003	0.00012	0.00215	4.082	0.000394
12:41:36.196	-7	0.00003	0.00009	0.00193	3.411	0.00033
12:41:37.196	-7	0.00002	0.00006	0.00149	2.78	0.000269
12:41:38.196	-7	0.00002	0.00007	0.00072	2.05	0.000198
12:41:39.196	-7	0.00004	0.00005	0.00072	1.859	0.00018
12:41:40.196	-7	0.00004	0.00009	0.00086	1.793	0.000173
12:41:41.196	-7	0.00003	0.00008	0.00087	1.688	0.000163
12:41:42.196	-7	0.00003	0.00011	0.0007	1.209	0.000117
12:41:43.196	-7	0.00003	0.00009	0.00039	0.802	0.000078
12:41:44.196	-7.3	0.00002	0.00006	0.00058	0.503	0.000049
12:41:45.196	-8	0.00002	0.00005	0.00073	0.338	0.000033
12:41:46.196	-7.7	0.00003	0.00003	0.0008	0.283	0.000028
12:41:47.196	-7	0.00003	0.00004	0.00077	0.22	0.000021

43	9.00E-01	-1.000	1.100	0.000	0.871	8.900
42.5	9.00E-01	-1.000	1.100	0.000	0.870	9.100
42.5	9.00E-01	-1.100	1.100	0.000	0.867	10.300
41.7	9.00E-01	-1.100	1.100	0.000	0.862	7.300
41.7	9.00E-01	-1.000	1.100	0.000	0.855	8.300
41.8	9.00E-01	-0.900	1.100	0.000	0.853	3.800
41.8	9.00E-01	-0.900	1.100	0.000	0.855	5.600
42.6	9.00E-01	-0.900	1.100	0.000	0.860	5.200
42.6	9.00E-01	-0.900	1.100	0.000	0.868	3.500
42.5	9.00E-01	-0.900	1.100	0.000	0.876	8.900
42.5	8.00E-01	-0.900	1.000	0.000	0.808	6.000
42.2	8.00E-01	-0.900	1.000	0.000	0.787	9.300
42.2	8.00E-01	-1.000	1.000	0.000	0.780	8.500
42.6	8.00E-01	-1.000	1.000	0.000	0.778	9.700
42.6	8.00E-01	-1.000	1.000	0.000	0.781	8.000
42.8	8.00E-01	-1.000	1.000	0.000	0.785	7.100
42.8	8.00E-01	-1.000	1.000	0.000	0.789	10.900
42.8	8.00E-01	-1.000	1.000	0.000	0.796	6.000
42.8	8.00E-01	-1.100	1.000	0.000	0.802	11.700
42.7	7.00E-01	-1.100	0.900	0.000	0.727	8.300
42.7	7.00E-01	-1.100	0.900	0.000	0.731	10.100
42.9	7.00E-01	-1.100	0.900	0.000	0.733	8.600
42.9	7.00E-01	-1.100	0.900	0.000	0.733	9.000
43	7.00E-01	-1.100	0.900	0.000	0.731	9.400
43	7.00E-01	-1.200	0.900	0.000	0.722	6.900
43	7.00E-01	-1.200	0.900	0.000	0.711	11.600
43	7.00E-01	-1.100	0.900	0.000	0.704	6.200
42.9	7.00E-01	-1.100	0.900	0.000	0.703	7.800
42.9	7.00E-01	-1.100	0.900	0.000	0.703	5.100
42	7.00E-01	-1.100	0.900	0.000	0.701	4.000
42	7.00E-01	-1.100	0.900	0.000	0.699	6.500
41.7	7.00E-01	-1.000	0.900	0.000	0.699	4.200
41.7	7.00E-01	-1.000	0.900	0.000	0.701	6.200
42	7.00E-01	-1.000	0.900	0.000	0.705	2.600
42	7.00E-01	-1.000	0.900	0.000	0.706	8.800
42	7.00E-01	-1.000	0.900	0.000	0.706	7.500
42	7.00E-01	-1.000	0.900	0.000	0.708	6.000
41.9	7.00E-01	-1.000	0.900	0.000	0.712	8.900
41.9	1.70E+00	-1.100	2.100	0.000	1.687	6.800
41.4	1.50E+00	-1.200	1.900	0.000	1.518	12.200
41.4	1.40E+00	-1.200	1.700	0.000	1.358	11.800
40	1.30E+00	-1.200	1.600	0.000	1.303	17.800
39.9	1.20E+00	-1.200	1.500	0.000	1.246	13.700
36.7	1.10E+00	-1.300	1.300	0.000	1.096	10.000
36.4	1.10E+00	-1.300	1.300	0.000	1.093	7.700
28.9	1.10E+00	-1.300	1.300	0.000	1.097	3.800
28.7	1.10E+00	-1.300	1.300	0.000	1.101	6.100

1397	41.61	56	347	346.603
1390	41.518	61.7	347	347.651646
1388	40.99	74.3	347.313291	350.718242
1355	40.99	81.2	348.5	362.332075
1342	41.436	79.5	348.5	373.945908
1347	42.004	78.3	349.047771	385.559741
1393	42.23	68	349.759045	384.482507
1424	42.23	55.1	350.374821	378.494307
1409	42.059	50.8	350.7	372.506106
1407	41.61	60.1	350.7	369.134441
1385	41.61	74.8	350.7	371.051183
1396	41.61	71.2	350.7	372.967925
1407	42.158	67.2	350.7	374.884666
1418	42.23	61.6	350.7	371.310426
1410	42.23	53.3	350.084789	367.691904
1377	42.23	44.3	350	364.073382
1364	42.23	40.3	350	355.639081
1365	42.23	39.2	349.571292	345.432626
1368	42.23	38.9	348.93156	335.22617
1372	42.23	38.7	348.048624	326.300822
1397	42.236	41.1	347	320.48172
1398	42.85	40.2	346.879021	314.662619
1421	42.85	44	346.179479	310.508874
1448	42.85	61.8	345.6	317.500209
1435	42.85	72.5	345.6	324.491545
1420	42.421	73.2	345.013702	331.48288
1409	42.23	73.2	344.9	341.3049
1394	41.999	73.2	344.9	351.911413
1373	41.407	76.8	344.474362	362.517927
1373	40.99	82.2	343.617013	371.521654
1390	41.077	80.5	342.936385	378.452052
1343	41.61	73.8	342.066	385.382451
1377	41.61	66	340.225545	391.487294
1377	41.61	68.8	339.590578	387.261534
1373	41.61	62.5	339.036342	383.035774
1385	41.61	56.2	338.347619	378.810014
1383	41.365	57.8	337.67796	371.422667
1347	40.841	53.8	336.341297	362.089333
1294	40.37	22.4	334.860396	352.756
1274	39.868	0	334.045778	340.671341
1243	38.914	0	333.365369	326.280423
1194	37.602	0	332.729545	311.889506
1144	34.137	0	332.093182	299.02765
1223	30.214	0	331.475	290.001862
1295	26.298	0	330.919444	280.976074
1193	23.265	0	329.616755	271.950287
1135	19.832	4.1	328.334727	266.361445

1.8069	0.3064	7.69327	9911.445
1.80693	0.30651	7.69454	9914.501
1.80697	0.30666	7.69604	9918.578
1.80702	0.30678	7.69805	9923.54
1.80707	0.30693	7.7004	9929.229
1.80712	0.307	7.70213	9935.071
1.80717	0.30709	7.70427	9940.483
1.80721	0.30716	7.70526	9944.643
1.80724	0.3072	7.70621	9947.85
1.80727	0.30729	7.70755	9950.354
1.8073	0.30736	7.70955	9952.986
1.80734	0.30749	7.71195	9956.751
1.80737	0.3076	7.71323	9960.814
1.8074	0.30772	7.71456	9964.729
1.80743	0.30782	7.71602	9968.377
1.80746	0.3079	7.71736	9971.551
1.80749	0.308	7.71844	9974.147
1.80751	0.30805	7.71941	9976.348
1.80753	0.30815	7.7201	9978.279
1.80755	0.30822	7.72119	9980.003
1.80757	0.30831	7.72273	9981.597
1.80759	0.30839	7.72442	9983.127
1.80761	0.30848	7.72613	9984.77
1.80764	0.30859	7.72811	9986.781
1.80767	0.30869	7.73034	9989.974
1.80771	0.30887	7.73338	9994.184
1.80775	0.30897	7.7357	9998.909
1.80779	0.30909	7.73734	10003.779
1.80783	0.30917	7.73886	10008.805
1.80787	0.30924	7.7405	10014.212
1.80791	0.30935	7.74242	10019.84
1.80795	0.30942	7.74425	10025.195
1.80799	0.30952	7.74595	10029.992
1.80802	0.30956	7.74785	10034.348
1.80805	0.30968	7.75	10038.43
1.80808	0.30977	7.75193	10041.841
1.8081	0.30983	7.75342	10044.621
1.80812	0.3099	7.75414	10046.671
1.80816	0.30995	7.75486	10048.53
1.8082	0.31004	7.75572	10050.323
1.80823	0.31012	7.75659	10052.011
1.80826	0.31023	7.75729	10053.22
1.80829	0.31032	7.75768	10054.022
1.80831	0.31038	7.75826	10054.525
1.80833	0.31043	7.75899	10054.863
1.80836	0.31046	7.75979	10055.146
1.80839	0.3105	7.76056	10055.366

12:41:48.196	-7.3	0.00002	0.00001	0.00092	0.183	0.000018
12:41:49.196	-8	0.00002	0.00004	0.00097	0.2	0.00002
12:41:50.196	-8	0.00002	0.00002	0.00085	0.242	0.000024
12:41:51.196	-8	0.00002	0.00004	0.00069	0.316	0.000031
12:41:52.196	-8	0.00002	0.00005	0.00086	0.44	0.000043
12:41:53.196	-8	0.00002	0.00003	0.00107	0.543	0.000053
12:41:54.196	-8	0.00002	0.00004	0.00093	0.638	0.000062
12:41:55.196	-8	0.00002	0.00002	0.00128	0.729	0.000071
12:41:56.196	-8	0.00002	0.00004	0.00117	0.764	0.000074
12:41:57.196	-8	0.00002	0.00002	0.00105	0.819	0.000079
12:41:58.196	-8	0.00002	0.00002	0.00095	0.937	0.000091
12:41:59.196	-8	0.00002	0.00003	0.00099	1.037	0.0001
12:42:00.196	-8	0.00002	0.00001	0.00124	1.08	0.000105
12:42:01.196	-8	0.00002	0.00004	0.00113	1.103	0.000107
12:42:02.196	-8	0.00002	0.00001	0.00111	1.104	0.000107
12:42:03.196	-8	0.00002	0.00002	0.00111	1.11	0.000107
12:42:04.196	-8	0.00002	0.00001	0.0011	1.162	0.000113
12:42:05.196	-8	0.00002	0.00002	0.00112	1.277	0.000124
12:42:06.196	-8	0.00003	0.00003	0.00187	2.21	0.000214
12:42:07.196	-8	0.00004	0.00003	0.00293	4.15	0.000401
12:42:08.196	-8	0.00005	0.00016	0.00383	5.629	0.000544
12:42:09.196	-8	0.00004	0.00011	0.00303	5.889	0.000569
12:42:10.196	-8	0.00004	0.00016	0.00215	4.904	0.000474
12:42:11.196	-8	0.00002	0.00007	0.001	2.545	0.000246
12:42:12.196	-8	0.00002	0.00006	0.00015	1.197	0.000116
12:42:13.196	-8	0.00001	0.00005	0.00024	0.767	0.000074
12:42:14.196	-8	0.00001	0.00003	0.00102	0.761	0.000074
12:42:15.196	-8	0.00002	0.00006	0.00178	1.409	0.000137
12:42:16.196	-8	0.00004	0.00004	0.00499	3.985	0.000386
12:42:17.196	-8	0.00005	0.00019	0.00729	7.867	0.000761
12:42:18.196	-8	0.00006	0.00013	0.00526	10.189	0.000984
12:42:19.196	-8	0.00006	0.00015	0.00392	10.675	0.001031
12:42:20.196	-8	0.00006	0.00016	0.00446	10.674	0.001031
12:42:21.196	-8	0.00006	0.00007	0.00494	10.24	0.000989
12:42:22.196	-8	0.00006	0.0001	0.00416	8.353	0.000807
12:42:23.196	-8	0.00005	0.00002	0.00323	6.104	0.00059
12:42:24.196	-8	0.00004	0.00009	0.00338	5.221	0.000505
12:42:25.196	-8	0.00004	0.00004	0.00346	5.391	0.000521
12:42:26.196	-8	0.00004	0.00007	0.00224	5.454	0.000527
12:42:27.196	-8	0.00004	0.00039	0.00279	6.908	0.000667
12:42:28.196	-8	0.00006	0.00176	0.00316	10.321	0.000995
12:42:29.196	-8	0.00006	0.00128	0.00227	11.446	0.001104
12:42:30.196	-8	0.00006	0.0004	0.00219	9.95	0.00096
12:42:31.196	-8	0.00005	0.00024	0.00169	6.608	0.000638
12:42:32.196	-8	0.00003	0.00006	0.00068	3.343	0.000323
12:42:33.196	-8	0.00002	0.00008	0.00017	1.746	0.000169
12:42:34.196	-8	0.00003	0.00008	0.00136	1.444	0.00014

22.3	1.00E+00	-1.300	1.200	0.000	1.016	2.000
22.1	9.00E-01	-1.300	1.100	0.000	0.930	5.800
14.5	9.00E-01	-1.300	1.100	0.000	0.927	4.200
14.3	9.00E-01	-1.300	1.100	0.000	0.924	6.800
7.4	9.00E-01	-1.300	1.100	0.000	0.920	7.500
7.4	8.00E-01	-1.300	1.000	0.000	0.842	5.000
5.9	8.00E-01	-1.300	1.000	0.000	0.829	6.500
5.8	8.00E-01	-1.300	1.000	0.000	0.826	3.300
2.5	8.00E-01	-1.300	1.000	0.000	0.825	6.000
2.5	8.00E-01	-1.300	1.000	0.000	0.822	2.400
2.1	8.00E-01	-1.300	1.000	0.000	0.818	2.800
2.1	7.00E-01	-1.300	0.900	0.000	0.743	4.900
1.5	7.00E-01	-1.300	0.900	0.000	0.732	2.100
1.5	7.00E-01	-1.300	0.900	0.000	0.731	6.000
1.5	7.00E-01	-1.300	0.900	0.000	0.730	1.400
1.5	7.00E-01	-1.300	0.900	0.000	0.730	3.600
1.2	7.00E-01	-1.300	0.900	0.000	0.730	1.200
1.2	7.00E-01	-1.300	0.900	0.000	0.730	2.700
1.4	7.00E-01	-1.300	0.900	0.000	0.728	2.900
1.5	7.00E-01	-1.300	0.900	0.000	0.716	1.700
5.9	7.00E-01	-1.300	0.900	0.000	0.705	8.400
6	7.00E-01	-1.200	0.900	0.000	0.701	5.600
12	7.00E-01	-1.200	0.900	0.000	0.703	9.700
12	7.00E-01	-1.200	0.900	0.000	0.713	6.700
14.2	7.00E-01	-1.200	0.900	0.000	0.730	9.300
14	7.00E-01	-1.200	0.800	0.000	0.667	7.900
7.8	6.00E-01	-1.200	0.700	0.000	0.589	3.700
7.8	6.00E-01	-1.200	0.700	0.000	0.575	5.900
5.9	6.00E-01	-1.200	0.700	0.000	0.567	2.000
6	5.00E-01	-1.200	0.700	0.000	0.549	6.700
10	5.00E-01	-1.000	0.700	0.000	0.545	4.000
10.2	5.00E-01	-0.800	0.700	0.000	0.545	4.300
16.7	5.00E-01	-0.700	0.700	0.000	0.546	4.500
16.9	5.00E-01	-0.600	0.700	0.000	0.548	2.000
22.3	6.00E-01	-0.400	0.800	0.000	0.628	3.300
22.4	6.00E-01	-0.200	0.800	0.000	0.631	1.000
26.6	6.00E-01	-0.100	0.800	0.000	0.632	4.600
26.7	6.00E-01	0.000	0.800	0.000	0.627	1.900
28.9	6.00E-01	0.000	0.800	0.000	0.623	4.100
29	6.00E-01	0.000	0.800	0.000	0.619	18.600
30.7	6.00E-01	0.000	0.800	0.000	0.611	62.800
30.8	6.00E-01	0.000	0.800	0.000	0.612	41.200
33	6.00E-01	0.000	0.800	0.000	0.618	13.500
33	6.00E-01	0.000	0.800	0.000	0.626	10.600
35.3	6.00E-01	0.000	0.800	0.000	0.638	4.300
35.3	7.00E-01	0.000	0.800	0.000	0.653	7.100
34.4	7.00E-01	-0.100	0.800	0.000	0.661	6.300

1071	16.008	13.6	327.444821	261.65886
1065	11.806	18.5	327.2	256.956275
939	8.063	18.6	327.2	254.886528
819	6.51	26	326.702062	254.692228
824	5.678	30.8	326.095273	254.497927
803	4.371	29.7	325.406966	255.091546
768	2.875	32.1	324.471586	256.485791
795	1.86	40.5	323.430727	257.880036
782	1.86	40.8	322.9	259.396865
777	1.86	41.2	322.785517	261.771786
778	1.335	41.5	322.0958	264.146707
780	1.24	41.2	321.4	266.521628
780	0.71	41.9	321.4	267.880795
780	1.108	42	321.4	269.205298
781	0.803	41.7	321.4	270.529801
780	0.62	41.8	320.865082	271.141945
831	0.62	51.6	320.211842	271.571525
886	1.494	48	320	272.001105
1227	3.927	58.9	319.580364	281.414236
1805	7.297	84.8	319.2	298.572961
1828	10.219	73.4	319.367512	315.731687
1787	13.034	71.4	320	329.81323
1552	14.024	17.6	319.94672	320.444527
1188	12.045	18.8	319.2	311.075823
865	8.654	31.9	318.913192	302.178816
807	6.512	32.9	317.49779	296.228206
827	5.725	29.3	316.945304	290.277596
1278	6.018	59.8	316.231756	284.326986
1784	8.161	76.3	316.1	303.290081
2052	11.291	79.8	316.1	329.403441
2064	14.508	75.5	315.805398	355.516802
2102	17.36	71.5	315.4	377.623247
2110	20.313	74.5	315.187302	391.175746
2164	22.925	71.6	313.856703	404.728246
2049	25.226	63.9	311.869034	412.54785
1673	26.884	59.4	310.464211	409.139121
1525	28.038	71	309.438081	405.730392
1579	29.233	85.1	308.72634	404.47705
1618	29.762	77.7	308.009635	411.89941
1668	30.987	95.2	307.308088	419.32177
1733	32.131	79.4	305.986849	426.74413
1807	33.567	79.3	305.256256	428.389529
1869	34.501	75.4	304.684358	429.911008
1629	34.78	43	304.5	431.432488
1402	34.507	27.1	304.5	418.217228
1431	33.957	54.5	304.125439	396.235134
1480	33.697	85.4	303.8	374.253041

1.80841	0.31051	7.76148	10055.549
1.80843	0.31055	7.76245	10055.749
1.80845	0.31057	7.7633	10055.991
1.80847	0.31061	7.76399	10056.307
1.80849	0.31066	7.76485	10056.747
1.80851	0.31069	7.76592	10057.29
1.80853	0.31073	7.76685	10057.928
1.80855	0.31075	7.76813	10058.657
1.80857	0.31079	7.7693	10059.421
1.80859	0.31081	7.77035	10060.24
1.80861	0.31083	7.7713	10061.177
1.80863	0.31086	7.77229	10062.214
1.80865	0.31087	7.77353	10063.294
1.80867	0.31091	7.77466	10064.397
1.80869	0.31092	7.77577	10065.501
1.80871	0.31094	7.77688	10066.611
1.80873	0.31095	7.77798	10067.773
1.80875	0.31097	7.7791	10069.05
1.80878	0.311	7.78097	10071.26
1.80882	0.31103	7.7839	10075.41
1.80887	0.31119	7.78773	10081.039
1.80891	0.3113	7.79076	10086.928
1.80895	0.31146	7.79291	10091.832
1.80897	0.31153	7.79391	10094.377
1.80899	0.31159	7.79406	10095.574
1.809	0.31164	7.7943	10096.341
1.80901	0.31167	7.79532	10097.102
1.80903	0.31173	7.7971	10098.511
1.80907	0.31177	7.80209	10102.496
1.80912	0.31196	7.80938	10110.363
1.80918	0.31209	7.81464	10120.552
1.80924	0.31224	7.81856	10131.227
1.8093	0.3124	7.82302	10141.901
1.80936	0.31247	7.82796	10152.141
1.80942	0.31257	7.83212	10160.494
1.80947	0.31259	7.83535	10166.598
1.80951	0.31268	7.83873	10171.819
1.80955	0.31272	7.84219	10177.21
1.80959	0.31279	7.84443	10182.664
1.80963	0.31318	7.84722	10189.572
1.80969	0.31494	7.85038	10199.893
1.80975	0.31622	7.85265	10211.339
1.80981	0.31662	7.85484	10221.289
1.80986	0.31686	7.85653	10227.897
1.80989	0.31692	7.85721	10231.24
1.80991	0.317	7.85738	10232.986
1.80994	0.31708	7.85874	10234.43

12:42:35.196	-8	0.00003	0.00008	0.00376	2.948	0.000286
12:42:36.196	-8	0.00003	0.00012	0.00381	3.892	0.000376
12:42:37.196	-8	0.00003	0.00008	0.00195	3.125	0.000302
12:42:38.196	-8	0.00003	0.00012	0.00049	2.068	0.0002
12:42:39.196	-8	0.00002	0.00009	0.00037	1.236	0.00012
12:42:40.196	-8	0.00002	0.00011	0.00096	0.98	0.000095
12:42:41.196	-8	0.00002	0.0001	0.00154	0.984	0.000095
12:42:42.196	-8	0.00002	0.0001	0.00142	0.974	0.000094
12:42:43.196	-8	0.00002	0.00009	0.0012	0.962	0.000093
12:42:44.196	-8	0.00002	0.00008	0.00088	0.785	0.000076
12:42:45.196	-8	0.00002	0.00009	0.00076	0.562	0.000054
12:42:46.196	-8	0.00002	0.00007	0.00067	0.35	0.000034
12:42:47.196	-8	0.00002	0.00007	0.00063	0.233	0.000023
12:42:48.196	-8	0.00002	0.00006	0.00085	0.207	0.00002
12:42:49.196	-8	0.00002	0.00005	0.00097	0.244	0.000024
12:42:50.196	-8	0.00002	0.00007	0.00082	0.294	0.000029
12:42:51.196	-8	0.00002	0.00006	0.00119	0.45	0.000044
12:42:52.196	-8	0.00003	0.00015	0.00257	1.114	0.000108
12:42:53.196	-8	0.00005	0.00024	0.0054	3.983	0.000386
12:42:54.196	-8	0.00011	0.00068	0.0107	10.533	0.001018
12:42:55.196	-8	0.00019	0.00084	0.01023	18.511	0.001788
12:42:56.196	-8	0.0002	0.00042	0.00689	17.501	0.00169
12:42:57.196	-8	0.00054	0.00039	0.00584	14.974	0.001446
12:42:58.196	-8	0.00065	0.00015	0.0055	14.36	0.001386
12:42:59.196	-8	0.00043	0.00022	0.00266	7.246	0.0007
12:43:00.196	-8	0.00019	0.00007	0.00055	2.184	0.000211
12:43:01.196	-8	0.00009	0.00008	0.00043	0.986	0.000095
12:43:02.196	-8	0.00004	0.00007	0.00095	0.601	0.000058
12:43:03.196	-8	0.00002	0.00008	0.00103	0.475	0.000046
12:43:04.196	-8	0.00002	0.00008	0.00105	0.323	0.000031
12:43:05.196	-8	0.00002	0.00005	0.0011	0.238	0.000023
12:43:06.196	-8	0.00002	0.00007	0.00091	0.224	0.000022
12:43:07.196	-8	0.00003	0.00006	0.00121	0.457	0.000044
12:43:08.196	-8	0.00003	0.00011	0.00382	1.449	0.000141
12:43:09.196	-8	0.00004	0.00012	0.00519	3.502	0.000339
12:43:10.196	-7.7	0.00006	0.00021	0.05286	6.793	0.000664
12:43:11.196	-7.3	0.00009	0.00055	0.23431	10.904	0.001088
12:43:12.196	-8	0.00011	0.00053	0.5588	15.552	0.001587
12:43:13.196	-8	0.00105	0.00052	0.29572	19.862	0.00196
12:43:14.196	-7.7	0.00511	0.00001	0.12901	21.867	0.002126
12:43:15.196	-7	0.01273	0.00016	0.05216	23.347	0.002257
12:43:16.196	-7	0.0215	0.00004	0.02919	25.276	0.002439
12:43:17.196	-7	0.03965	0.00003	0.02779	32.726	0.003156
12:43:18.196	-7	0.0606	0.00011	0.02532	38.432	0.003707
12:43:19.196	-7	0.06421	0.00016	0.03015	38.471	0.003714
12:43:20.196	-7	0.04746	0.00032	0.02184	30.06	0.002903
12:43:21.196	-7	0.02815	0.00003	0.01598	20.644	0.001995

34.4	6.00E-01	-0.300	0.800	0.000	0.645	5.000
34.5	7.00E-01	-0.400	0.900	0.000	0.698	8.500
34.5	9.00E-01	-0.300	1.100	0.000	0.854	7.100
35	9.00E-01	-0.300	1.100	0.000	0.880	12.600
35	8.00E-01	-0.300	1.000	0.000	0.830	10.200
34.3	8.00E-01	-0.400	0.900	0.000	0.753	13.100
34.3	7.00E-01	-0.400	0.900	0.000	0.743	11.800
34.3	7.00E-01	-0.500	0.900	0.000	0.742	12.100
34.3	7.00E-01	-0.500	0.900	0.000	0.740	12.300
34.3	8.00E-01	-0.500	1.000	0.000	0.816	11.000
34.2	8.00E-01	-0.600	1.000	0.000	0.834	13.000
29.2	8.00E-01	-0.700	1.000	0.000	0.842	9.500
29	8.00E-01	-0.900	1.000	0.000	0.845	10.600
21.7	8.00E-01	-1.000	1.000	0.000	0.846	8.300
21.5	8.00E-01	-1.000	1.000	0.000	0.845	7.200
16.3	8.00E-01	-1.000	1.000	0.000	0.843	10.600
16.3	8.00E-01	-1.000	1.000	0.000	0.839	8.000
15.7	8.00E-01	-1.000	1.000	0.000	0.831	12.300
15.7	8.00E-01	-1.100	1.000	0.000	0.806	11.800
16.8	9.00E-01	-1.100	1.200	0.000	0.929	19.100
16.9	1.00E+00	-1.000	1.300	0.000	1.010	14.500
22.1	1.10E+00	0.000	1.400	0.011	1.090	7.600
22.2	3.40E+00	3.000	1.400	2.317	1.089	8.200
30.3	4.30E+00	4.200	1.400	3.227	1.088	3.300
30.5	4.50E+00	4.300	1.400	3.410	1.110	7.500
36.6	4.10E+00	3.800	1.200	3.077	1.002	5.200
36.6	2.60E+00	2.000	1.100	1.662	0.915	7.800
36.4	1.40E+00	0.700	1.000	0.568	0.852	7.300
36.3	8.00E-01	-0.300	1.000	0.000	0.841	9.500
33.9	8.00E-01	-0.600	1.000	0.000	0.844	10.300
33.9	8.00E-01	-0.700	1.000	0.000	0.846	6.400
31.8	8.00E-01	-0.700	1.000	0.000	0.848	7.700
31.8	8.00E-01	-0.700	1.000	0.000	0.844	5.900
30.2	8.00E-01	-0.800	1.000	0.000	0.827	9.000
30.2	8.00E-01	-0.800	1.000	0.000	0.802	7.500
30	8.00E-01	-0.800	1.000	0.000	0.780	9.400
30.1	8.00E-01	-0.800	1.100	0.000	0.843	18.000
31.8	8.00E-01	-0.800	1.100	0.000	0.833	13.000
31.9	6.10E+00	6.900	1.100	5.272	0.835	10.000
35.8	2.71E+01	34.500	1.100	26.270	0.837	0.200
36	6.36E+01	82.400	1.100	62.755	0.838	2.600
42	1.01E+02	131.000	1.100	99.688	0.837	0.600
42.1	1.41E+02	184.100	1.100	140.326	0.839	0.400
49.9	1.74E+02	224.700	1.400	172.450	1.057	1.000
50	1.74E+02	223.000	3.000	172.141	2.289	1.400
57.7	1.54E+02	192.900	5.700	149.972	4.416	3.400
57.8	1.24E+02	151.800	6.900	118.858	5.426	0.400

1417	34.305	69.4	303.8	358.849573
1398	34.719	44.6	303.8	353.8227
1389	34.16	19.2	303.8	348.795827
1372	34.1	25.9	303.8	342.570074
1366	33.561	29.8	303.8	332.214846
1363	33.53	32.6	303.573966	321.859618
1364	33.61	33.5	303	311.82793
1364	34.066	0	303	302.815191
1340	33.366	0	303	293.802452
1242	31.093	0	303	285.011511
1348	26.207	0	303	278.194791
1113	22.481	0.1	302.946	271.378071
1117	19.615	2.2	302.3	264.56135
1091	17.389	16.5	302.3	261.61123
1077	15.969	18.8	302.3	258.696226
1093	15.53	25.2	302.3	255.781221
1234	15.857	48.8	302.3	261.28994
1484	16.665	74	302.730598	269.882754
1790	18.217	82.2	303	278.475569
2102	20.676	77	303.588991	302.501593
2397	23.656	76.7	305.543568	350.464839
2524	27.984	72.4	308.597804	398.428086
2220	31.702	79.1	311.630893	438.491132
1949	34.929	78.1	314.79688	424.248074
1916	36.857	33.6	315.35688	410.005016
1552	36.399	17.8	316.66323	395.761959
1417	35.694	6.3	316.298545	375.140233
1396	34.711	0	315.694179	352.698372
1347	33.178	0	315.4	330.256512
1293	32.034	0	315.4	312.850047
1251	30.959	6.7	315.135468	305.305806
1239	30.372	36.3	314.7	297.761565
1294	29.813	66.8	314.596273	292.541629
1236	29.81	68.7	314	304.863244
1301	30.317	91.1	314.002921	317.184859
1256	31.23	87.9	314.7	335.563774
1316	32.743	99.6	315.025958	372.710388
1396	34.556	99.6	315.612374	409.857002
1500	36.91	99.7	316.276796	447.293645
1620	40.12	100	317.307126	485.876047
1757	43.342	99.9	319.894222	524.45845
1898	47.327	99.5	322.031579	562.287084
2193	50.713	98.4	324.624384	598.639402
3027	53.821	96	330.251724	634.991721
3130	57.73	98.7	341.586078	665.074367
3317	61.188	87.5	358.279682	651.269303
2901	63.99	78.9	378.608676	637.464239

1.80997	0.31716	7.8625	10237.378
1.81	0.31728	7.86631	10241.27
1.81003	0.31736	7.86826	10244.395
1.81006	0.31748	7.86875	10246.463
1.81008	0.31757	7.86912	10247.699
1.8101	0.31768	7.87008	10248.679
1.81012	0.31778	7.87162	10249.663
1.81014	0.31788	7.87304	10250.637
1.81016	0.31797	7.87424	10251.599
1.81018	0.31805	7.87512	10252.384
1.8102	0.31814	7.87588	10252.946
1.81022	0.31821	7.87655	10253.296
1.81024	0.31828	7.87718	10253.529
1.81026	0.31834	7.87803	10253.736
1.81028	0.31839	7.879	10253.98
1.8103	0.31846	7.87982	10254.274
1.81032	0.31852	7.88101	10254.724
1.81035	0.31867	7.88358	10255.838
1.8104	0.31891	7.88898	10259.821
1.81051	0.31959	7.89968	10270.354
1.8107	0.32043	7.90991	10288.865
1.8109	0.32085	7.9168	10306.366
1.81144	0.32124	7.92264	10321.34
1.81209	0.32139	7.92814	10335.7
1.81252	0.32161	7.9308	10342.946
1.81271	0.32168	7.93135	10345.13
1.8128	0.32176	7.93178	10346.116
1.81284	0.32183	7.93273	10346.717
1.81286	0.32191	7.93376	10347.192
1.81288	0.32199	7.93481	10347.515
1.8129	0.32204	7.93591	10347.753
1.81292	0.32211	7.93682	10347.977
1.81295	0.32217	7.93803	10348.434
1.81298	0.32228	7.94185	10349.883
1.81302	0.3224	7.94704	10353.385
1.81308	0.32261	7.9999	10360.178
1.81317	0.32316	8.23421	10371.082
1.81328	0.32369	8.79301	10386.634
1.81433	0.32421	9.08873	10406.496
1.81944	0.32422	9.21774	10428.363
1.83217	0.32438	9.2699	10451.71
1.85367	0.32442	9.29909	10476.986
1.89332	0.32445	9.32688	10509.712
1.95392	0.32456	9.3522	10548.144
2.01813	0.32472	9.38235	10586.615
2.06559	0.32504	9.40419	10616.675
2.09374	0.32507	9.42017	10637.319

12:43:22.196	-7	0.01313	0.00022	0.01135	13.731	0.001327
12:43:23.196	-7	0.00675	0.00012	0.00952	12.195	0.001179
12:43:24.196	-7	0.00314	0.00011	0.0053	8.944	0.000865
12:43:25.196	-7	0.00139	0.00012	0.0052	6.859	0.000663
12:43:26.196	-7	0.00074	0.00006	0.00384	5.768	0.000558
12:43:27.196	-7	0.00055	0.00017	0.00407	6.211	0.0006
12:43:28.196	-7	0.00058	0.0001	0.00612	9.759	0.000943
12:43:29.196	-7	0.00071	0.00034	0.00834	16.652	0.001607
12:43:30.196	-7	0.00067	0.0002	0.00449	13.43	0.001297
12:43:31.196	-7	0.00054	0.00018	0.00568	11.655	0.001126
12:43:32.196	-7	0.00079	0.00042	0.0106	17.782	0.001718
12:43:33.196	-7	0.00075	0.00019	0.00614	12.568	0.001215
12:43:34.196	-7	0.00066	0.00024	0.00511	7.463	0.000722
12:43:35.196	-7	0.00064	0.00011	0.00683	7.927	0.000767
12:43:36.196	-7	0.00068	0.00027	0.0063	11.114	0.001074
12:43:37.196	-7	0.00069	0.00022	0.00635	14.659	0.001416
12:43:38.196	-7	0.00064	0.0002	0.00545	13.232	0.001278
12:43:39.196	-7	0.00043	0.0002	0.00211	6.781	0.000656
12:43:40.196	-7	0.00031	0.00013	0.00086	2.787	0.00027
12:43:41.196	-7	0.00024	0.00018	0.00229	2.162	0.00021
12:43:42.196	-7	0.0003	0.00015	0.01033	6.777	0.000657
12:43:43.196	-7	0.00029	0.00029	0.00801	9.521	0.000921
12:43:44.196	-7	0.0003	0.00018	0.00614	10.422	0.001007
12:43:45.196	-7	0.00029	0.00022	0.00569	9.65	0.000933
12:43:46.196	-7	0.00026	0.00021	0.0054	8.526	0.000824
12:43:47.196	-7	0.00026	0.00013	0.00485	8.018	0.000775
12:43:48.196	-7	0.00026	0.0002	0.0042	8.031	0.000776
12:43:49.196	-7	0.00027	0.00007	0.00387	8.62	0.000833
12:43:50.196	-7	0.00029	0.00023	0.00356	9.098	0.000879
12:43:51.196	-7	0.00029	0.00014	0.00352	9.191	0.000888
12:43:52.196	-7	0.0003	0.00018	0.0038	9.137	0.000883
12:43:53.196	-7	0.0003	0.00022	0.00416	9.066	0.000876
12:43:54.196	-7	0.0003	0.00011	0.00415	9.037	0.000873
12:43:55.196	-7	0.0003	0.00021	0.00424	9.255	0.000894
12:43:56.196	-7	0.00034	0.00014	0.00443	9.84	0.000951
12:43:57.196	-7	0.00037	0.00024	0.00412	10.395	0.001004
12:43:58.196	-7	0.00044	0.00024	0.00387	11.717	0.001131
12:43:59.196	-7	0.00049	0.00042	0.00395	12.506	0.001208
12:44:00.196	-7	0.00052	0.0003	0.00474	12.419	0.001199
12:44:01.196	-7	0.00059	0.0002	0.0052	11.713	0.001132
12:44:02.196	-7	0.0007	0.00027	0.00549	10.947	0.001058
12:44:03.196	-7	0.00077	0.00012	0.00518	10.15	0.000981
12:44:04.196	-7	0.00079	0.00024	0.00475	10.236	0.000989
12:44:05.196	-7	0.00088	0.00022	0.00461	11.726	0.001132
12:44:06.196	-7	0.00094	0.00028	0.00444	12.528	0.00121
12:44:07.196	-7	0.00093	0.00026	0.00475	12.84	0.00124
12:44:08.196	-7	0.00087	0.00018	0.0058	12.1	0.001169

63.3	8.45E+01	100.400	7.300	78.787	5.721	4.800
63.4	4.67E+01	52.400	6.800	41.316	5.398	2.800
66.5	2.79E+01	29.800	5.400	23.598	4.277	3.100
66.5	1.63E+01	16.500	4.100	13.045	3.225	4.500
67.2	1.03E+01	9.800	3.200	7.782	2.560	2.700
67.2	7.40E+00	6.500	2.800	5.141	2.220	7.600
67.1	5.60E+00	4.700	2.400	3.674	1.885	3.000
67.1	4.50E+00	3.500	2.300	2.735	1.774	7.100
67	4.40E+00	3.400	2.200	2.668	1.726	4.300
67	4.10E+00	3.300	1.900	2.588	1.508	4.600
68.5	4.00E+00	3.300	1.800	2.586	1.418	7.000
68.5	4.80E+00	4.300	1.800	3.410	1.423	4.000
70	5.90E+00	5.500	1.800	4.440	1.443	7.100
70	6.00E+00	5.800	1.800	4.613	1.432	3.400
70.2	5.40E+00	5.000	1.800	3.963	1.413	7.100
70.2	4.30E+00	3.800	1.800	2.931	1.407	4.600
70.7	4.10E+00	3.400	1.800	2.676	1.417	4.400
70.7	4.20E+00	3.400	1.800	2.727	1.444	6.400
71.8	4.30E+00	3.400	1.800	2.803	1.484	6.100
71.8	3.80E+00	2.900	1.600	2.441	1.335	9.400
70.2	2.90E+00	2.100	1.600	1.651	1.284	5.000
70.2	2.50E+00	1.600	1.600	1.274	1.262	8.400
69.7	2.40E+00	1.500	1.600	1.189	1.258	4.800
69.7	2.40E+00	1.500	1.600	1.184	1.263	6.300
69.7	2.50E+00	1.500	1.600	1.186	1.265	6.600
69.7	2.70E+00	1.800	1.600	1.401	1.263	4.600
69.7	2.80E+00	1.900	1.600	1.495	1.259	7.100
69.7	2.80E+00	2.000	1.600	1.558	1.254	2.400
69.4	2.80E+00	2.000	1.600	1.567	1.253	7.400
69.4	2.80E+00	2.000	1.600	1.569	1.255	4.600
69.4	2.80E+00	2.000	1.600	1.571	1.257	5.800
69.4	2.80E+00	2.000	1.600	1.572	1.258	6.900
69.3	2.80E+00	2.000	1.600	1.572	1.258	3.400
69.3	2.80E+00	2.000	1.600	1.572	1.257	6.500
69.3	3.10E+00	2.300	1.600	1.795	1.255	4.000
69.3	3.30E+00	2.600	1.600	2.014	1.252	7.100
69	3.60E+00	3.000	1.600	2.312	1.247	6.500
69	3.70E+00	3.100	1.600	2.419	1.249	10.400
69	3.70E+00	3.200	1.600	2.497	1.253	7.300
69	4.40E+00	4.000	1.600	3.149	1.255	5.100
69	5.60E+00	5.500	1.600	4.343	1.256	7.200
69	6.70E+00	7.000	1.600	5.473	1.255	3.600
69.2	7.10E+00	7.500	1.600	5.849	1.250	7.100
69.2	7.20E+00	7.600	1.600	5.912	1.245	6.000
69.2	7.10E+00	7.500	1.600	5.854	1.246	7.000
69.2	6.60E+00	6.800	1.600	5.356	1.251	6.200
68.8	6.30E+00	6.400	1.600	5.030	1.255	4.400

2359	65.278	65	393.275275	619.486098
2119	65.921	65.6	401.779167	588.436918
2132	66.45	63.9	406.64536	557.387738
2137	66.45	60.5	410.490818	530.160117
2132	66.45	56.1	413.902485	519.014891
2128	66.45	72.4	415.359212	507.869665
2127	66.45	77.6	417.83	496.72444
2147	66.878	84	419.456757	498.728833
2167	67.5	58.4	421.73781	501.64737
2184	68.126	88.9	426.252106	504.565908
2207	68.995	84.1	428.39545	500.480819
2226	69.55	52.5	430.891468	494.826986
2227	69.55	56.7	432.851588	489.173153
2226	69.55	68.1	432.024276	493.834409
2234	69.55	69.8	432	499.224569
2253	70.333	69.1	430.085233	504.614729
2271	70.79	61.1	428.13165	484.295168
2268	70.515	29.9	427.172633	455.082742
2245	69.901	23.3	425.403469	425.870317
2222	69.304	54.7	422.844444	420.835496
2213	68.93	70.6	421.084407	435.10797
2214	68.93	68.6	419.661217	449.380445
2211	68.93	67.3	417.871917	459.387886
2212	68.93	65.2	415.463188	460.290351
2214	68.93	63.7	413.361166	461.192815
2210	68.93	66.1	411.156604	463.354912
2204	68.777	70.1	408.420513	467.133249
2200	68.521	70.4	406.685896	470.911587
2201	68.93	68.8	404.751182	471.836384
2201	68.559	67.4	402.137122	471.284615
2198	68.31	66.8	400.354182	470.732846
2197	68.31	67	397.759341	470.190265
2197	68.31	67.6	395.36288	469.654391
2194	68.31	69.2	393.933092	469.118517
2193	68.31	73	393.017674	470.295193
2190	68.31	73.3	391.497725	477.57918
2190	68.31	73.3	389.560067	484.863167
2192	68.31	72.7	388.178636	492.147154
2196	68.31	71.3	387.369719	493.645051
2197	68.31	70.9	386.501254	493.941006
2197	68.31	71	385.81403	494.236962
2197	68.31	72.5	384.487168	496.378427
2194	68.31	76.3	383.595458	499.019377
2190	68.31	76.9	383.3	501.660326
2190	68.31	73.3	383.3	502.117274
2193	68.31	70.7	383.034607	499.520808
2196	68.31	70.7	382.6	496.924342

2.10687	0.32529	9.43152	10651.05
2.11362	0.32541	9.44104	10663.245
2.11676	0.32552	9.44634	10672.189
2.11815	0.32564	9.45154	10679.048
2.11889	0.3257	9.45538	10684.816
2.11944	0.32587	9.45945	10691.027
2.12002	0.32597	9.46557	10700.786
2.12073	0.32631	9.47391	10717.438
2.1214	0.32651	9.4784	10730.868
2.12194	0.32669	9.48408	10742.523
2.12273	0.32711	9.49468	10760.305
2.12348	0.3273	9.50082	10772.873
2.12414	0.32754	9.50593	10780.336
2.12478	0.32765	9.51276	10788.263
2.12546	0.32792	9.51906	10799.377
2.12615	0.32814	9.52541	10814.036
2.12679	0.32834	9.53086	10827.268
2.12722	0.32854	9.53297	10834.049
2.12753	0.32867	9.53383	10836.836
2.12777	0.32885	9.53612	10838.998
2.12807	0.329	9.54645	10845.775
2.12836	0.32929	9.55446	10855.296
2.12866	0.32947	9.5606	10865.718
2.12895	0.32969	9.56629	10875.368
2.12921	0.3299	9.57169	10883.894
2.12947	0.33003	9.57654	10891.912
2.12973	0.33023	9.58074	10899.943
2.13	0.3303	9.58461	10908.563
2.13029	0.33053	9.58817	10917.661
2.13058	0.33067	9.59169	10926.852
2.13088	0.33085	9.59549	10935.989
2.13118	0.33107	9.59965	10945.055
2.13148	0.33118	9.6038	10954.092
2.13178	0.33139	9.60804	10963.347
2.13212	0.33153	9.61247	10973.187
2.13249	0.33177	9.61659	10983.582
2.13293	0.33201	9.62046	10995.299
2.13342	0.33243	9.62441	11007.805
2.13394	0.33273	9.62915	11020.224
2.13453	0.33293	9.63435	11031.937
2.13523	0.3332	9.63984	11042.884
2.136	0.33332	9.64502	11053.034
2.13679	0.33356	9.64977	11063.27
2.13767	0.33378	9.65438	11074.996
2.13861	0.33406	9.65882	11087.524
2.13954	0.33432	9.66357	11100.364
2.14041	0.3345	9.66937	11112.464

12:44:09.196	-7	0.00085	0.0003	0.00571	10.968	0.00106
12:44:10.196	-7	0.00094	0.0001	0.00575	10.024	0.000969
12:44:11.196	-7	0.00106	0.00022	0.00597	10.198	0.000985
12:44:12.196	-7	0.00113	0.00016	0.00522	11.046	0.001067
12:44:13.196	-7	0.00114	0.00023	0.00485	11.587	0.001119
12:44:14.196	-7	0.00102	0.00023	0.00495	11.772	0.001137
12:44:15.196	-7	0.00093	0.00015	0.00499	11.416	0.001103
12:44:16.196	-7	0.00088	0.00022	0.00531	10.429	0.001008
12:44:17.196	-7	0.00087	0.00001	0.00589	9.894	0.000956
12:44:18.196	-7	0.00093	0.00029	0.00559	9.623	0.00093
12:44:19.196	-7	0.00097	0.00028	0.00489	9.449	0.000913
12:44:20.196	-7	0.001	0.00031	0.00438	9.523	0.00092
12:44:21.196	-7	0.00103	0.00018	0.0043	9.69	0.000936
12:44:22.196	-7	0.00102	0.00017	0.00435	9.828	0.000949
12:44:23.196	-7	0.00102	0.0002	0.00439	9.926	0.000959
12:44:24.196	-7	0.00099	0.0001	0.00437	9.737	0.000941
12:44:25.196	-7	0.00097	0.00025	0.00429	9.516	0.000919
12:44:26.196	-7	0.00096	0.0001	0.00426	9.443	0.000912
12:44:27.196	-7	0.00092	0.00016	0.0041	9.069	0.000876
12:44:28.196	-7	0.0009	0.00015	0.004	8.826	0.000853
12:44:29.196	-7	0.0009	0.0001	0.00395	8.713	0.000842
12:44:30.196	-7	0.00093	0.00014	0.00394	8.8	0.00085
12:44:31.196	-7	0.00092	0.00006	0.00383	8.592	0.00083
12:44:32.196	-7	0.00097	0.00024	0.00388	8.735	0.000844
12:44:33.196	-7	0.001	0.00012	0.00365	8.992	0.000868
12:44:34.196	-7	0.00102	0.00022	0.00348	9.158	0.000885
12:44:35.196	-7	0.00103	0.00016	0.00353	9.249	0.000893
12:44:36.196	-7	0.00102	0.00019	0.00354	8.965	0.000866
12:44:37.196	-7	0.00102	0.00019	0.00396	8.805	0.000851
12:44:38.196	-7	0.00103	0.00013	0.00352	8.626	0.000833
12:44:39.196	-7	0.00104	0.00023	0.00333	8.499	0.000821
12:44:40.196	-7	0.00105	0.00018	0.00351	8.386	0.00081
12:44:41.196	-7	0.00106	0.00023	0.00384	8.402	0.000812
12:44:42.196	-7	0.00108	0.00018	0.00376	8.493	0.00082
12:44:43.196	-7	0.00111	0.00017	0.00331	8.513	0.000822
12:44:44.196	-7	0.00114	0.00027	0.00328	8.553	0.000826
12:44:45.196	-7	0.00112	0.00015	0.00324	8.376	0.000809
12:44:46.196	-7	0.00109	0.00026	0.00336	8.007	0.000774
12:44:47.196	-7	0.00105	0.00012	0.0035	7.497	0.000724
12:44:48.196	-7	0.00111	0.00023	0.00368	8.014	0.000774
12:44:49.196	-7	0.00123	0.00023	0.0041	9.448	0.000913
12:44:50.196	-7	0.00156	0.00033	0.00462	12.668	0.001223
12:44:51.196	-7	0.00191	0.00045	0.0048	15.466	0.001493
12:44:52.196	-7	0.00209	0.00027	0.00468	14.283	0.001379
12:44:53.196	-7	0.00263	0.00041	0.00525	12.599	0.001217
12:44:54.196	-7	0.00288	0.00021	0.00593	11.124	0.001075
12:44:55.196	-7	0.0029	0.00028	0.00579	9.631	0.000931

68.8	6.70E+00	6.900	1.600	5.438	1.257	8.000
69.2	8.10E+00	8.800	1.600	6.887	1.256	3.000
69.2	9.50E+00	10.500	1.600	8.226	1.252	6.400
69.3	9.60E+00	10.700	1.600	8.345	1.248	4.400
69.3	9.30E+00	10.400	1.600	8.065	1.247	6.200
69.2	8.00E+00	8.600	1.700	6.697	1.326	6.100
69.2	7.30E+00	7.600	1.700	5.979	1.331	4.000
69.2	7.30E+00	7.600	1.700	5.970	1.335	6.000
69.2	7.40E+00	7.800	1.700	6.110	1.337	0.200
69.3	8.40E+00	9.000	1.700	7.030	1.335	8.500
69.3	9.10E+00	9.800	1.700	7.725	1.333	8.600
69.3	9.30E+00	10.200	1.700	7.995	1.333	9.600
69.3	9.40E+00	10.300	1.700	8.072	1.332	5.600
69.3	9.30E+00	10.100	1.700	7.923	1.332	5.100
69.3	9.10E+00	9.900	1.700	7.766	1.332	5.900
69.2	9.00E+00	9.600	1.800	7.550	1.412	2.900
69.2	8.90E+00	9.500	1.800	7.455	1.413	7.600
69.2	8.90E+00	9.500	1.800	7.456	1.413	3.200
69.2	8.90E+00	9.500	1.800	7.457	1.413	5.200
69.2	8.90E+00	9.500	1.800	7.458	1.413	4.900
69.2	9.00E+00	9.700	1.800	7.606	1.413	3.400
69.2	9.20E+00	9.900	1.900	7.754	1.490	4.700
69.2	9.50E+00	10.200	1.900	7.978	1.490	2.100
69.2	9.80E+00	10.500	2.000	8.219	1.556	8.000
69.2	9.90E+00	10.600	2.000	8.307	1.567	3.900
69.2	9.90E+00	10.600	2.000	8.307	1.567	7.100
69.2	9.90E+00	10.600	2.000	8.306	1.567	5.200
69.2	9.90E+00	10.600	2.000	8.320	1.570	6.100
69.2	1.00E+01	10.700	2.100	8.402	1.639	6.300
69.2	1.03E+01	11.000	2.100	8.619	1.649	4.400
69.2	1.06E+01	11.400	2.100	8.930	1.649	7.600
69.2	1.08E+01	11.700	2.100	9.178	1.649	6.200
69.2	1.09E+01	11.800	2.100	9.266	1.649	7.800
69.3	1.11E+01	12.100	2.100	9.470	1.647	6.200
69.3	1.15E+01	12.600	2.100	9.851	1.646	5.700
69.3	1.17E+01	12.800	2.100	10.036	1.647	9.200
69.3	1.17E+01	12.800	2.100	10.041	1.647	5.400
69.3	1.17E+01	12.800	2.100	10.056	1.650	9.200
69.3	1.18E+01	12.900	2.100	10.148	1.652	4.600
69.5	1.19E+01	12.900	2.200	10.135	1.729	8.000
69.5	1.18E+01	12.900	2.200	10.087	1.720	7.300
68.9	1.17E+01	12.900	2.200	10.036	1.712	8.300
68.9	1.20E+01	13.200	2.300	10.235	1.778	9.300
68.6	1.35E+01	15.100	2.300	11.745	1.795	5.700
68.6	1.83E+01	21.000	2.400	16.450	1.872	9.600
69.2	2.21E+01	25.600	2.600	20.094	2.043	5.400
69.2	2.51E+01	29.000	2.900	22.857	2.273	8.000

2202	68.31	70.2	382.6	497.051834
2202	68.31	72.2	382.6	498.685116
2198	68.31	74.6	382.6	500.318398
2196	68.31	74.7	382.6	501.547019
2195	68.31	72.4	382.6	502.166113
2197	68.31	71.2	382.899091	502.785207
2199	68.31	70.1	383.3	501.612295
2200	68.31	69.8	383.520633	496.801069
2200	68.31	71.6	384.1	491.989843
2200	68.31	72.9	384.1	488.8
2199	68.4	73.6	384.70288	488.8
2196	68.873	73.5	385.7	488.8
2197	68.31	74.4	385.7	488.735694
2194	68.31	72.8	385.738889	488.186065
2195	68.31	71.5	386.387037	487.636437
2197	68.31	72.1	386.4	487.049731
2199	68.31	70.8	386.445476	484.955177
2200	68.31	70.9	387.085989	482.860622
2201	68.31	67.8	387.2	480.766068
2201	68.587	66.3	387.2	479.231964
2199	68.93	67.2	387.2	477.959184
2196	68.93	68.9	387.2	476.686404
2198	68.881	68.6	387.2	475.770264
2195	68.392	68.3	387.2	476.082547
2193	68.31	69.7	387.2	476.39483
2194	68.31	68.1	387.539933	476.059262
2198	68.31	68.1	388	474.482766
2201	68.31	65.9	388	472.90627
2200	68.31	64.9	388	471.214862
2200	68.31	64.9	387.691866	469.430193
2198	68.31	64.5	387.2	467.645524
2199	68.31	65.6	387.326087	466.170116
2200	68.31	66.5	387.955236	466.693372
2199	68.31	67.6	387.315747	467.216628
2197	68.31	67.8	387.2	467.739884
2197	68.31	65.6	387.2	466.495233
2198	68.31	63.9	387.2	464.471074
2198	68.31	62.5	387.2	462.446915
2197	68.31	63.6	386.7101	462.029408
2193	68.31	68.9	386.4	462.55145
2184	68.222	75.9	386.4	463.073492
2177	67.719	75.9	386.4	465.556302
2181	68.254	71.5	386.4	476.792925
2189	68.31	72.1	386.4	488.029548
2198	68.31	70	386.4	499.266171
2202	68.652	69.2	386.4	497.300356
2203	68.93	69.7	385.909743	492.416785

2.14126	0.3348	9.67508	11123.432
2.1422	0.3349	9.68083	11133.456
2.14326	0.33512	9.6868	11143.654
2.14439	0.33528	9.69202	11154.7
2.14553	0.33551	9.69687	11166.287
2.14655	0.33574	9.70182	11178.059
2.14748	0.33589	9.70681	11189.475
2.14836	0.33611	9.71212	11199.904
2.14923	0.33612	9.71801	11209.798
2.15016	0.33641	9.7236	11219.421
2.15113	0.33669	9.72849	11228.87
2.15213	0.337	9.73287	11238.393
2.15316	0.33718	9.73717	11248.083
2.15418	0.33735	9.74152	11257.911
2.1552	0.33755	9.74591	11267.837
2.15619	0.33765	9.75028	11277.574
2.15716	0.3379	9.75457	11287.09
2.15812	0.338	9.75883	11296.533
2.15904	0.33816	9.76293	11305.602
2.15994	0.33831	9.76693	11314.428
2.16084	0.33841	9.77088	11323.141
2.16177	0.33855	9.77482	11331.941
2.16269	0.33861	9.77865	11340.533
2.16366	0.33885	9.78253	11349.268
2.16466	0.33897	9.78618	11358.26
2.16568	0.33919	9.78966	11367.418
2.16671	0.33935	9.79319	11376.667
2.16773	0.33954	9.79673	11385.632
2.16875	0.33973	9.80069	11394.437
2.16978	0.33986	9.80421	11403.063
2.17082	0.34009	9.80754	11411.562
2.17187	0.34027	9.81105	11419.948
2.17293	0.3405	9.81489	11428.35
2.17401	0.34068	9.81865	11436.843
2.17512	0.34085	9.82196	11445.356
2.17626	0.34112	9.82524	11453.909
2.17738	0.34127	9.82848	11462.285
2.17847	0.34153	9.83184	11470.292
2.17952	0.34165	9.83534	11477.789
2.18063	0.34188	9.83902	11485.803
2.18186	0.34211	9.84312	11495.251
2.18342	0.34244	9.84774	11507.919
2.18533	0.34289	9.85254	11523.385
2.18742	0.34316	9.85722	11537.668
2.19005	0.34357	9.86247	11550.267
2.19293	0.34378	9.8684	11561.391
2.19583	0.34406	9.87419	11571.022

12:44:56.196	-7	0.00276	0.0002	0.00566	8.651	0.000836
12:44:57.196	-7	0.00268	0.00018	0.00526	8.536	0.000825
12:44:58.196	-7	0.00243	0.00026	0.00461	8.378	0.000809
12:44:59.196	-7	0.00207	0.00016	0.00409	7.972	0.00077
12:45:00.196	-7	0.00175	0.0002	0.00386	7.344	0.00071
12:45:01.196	-7	0.00154	0.00011	0.00333	6.914	0.000668
12:45:02.196	-7	0.00141	0.00021	0.00356	6.781	0.000655
12:45:03.196	-7	0.00134	0.00016	0.00342	6.941	0.000671
12:45:04.196	-7	0.00138	0.0002	0.00323	7.569	0.000731
12:45:05.196	-7	0.00141	0.00031	0.00296	8.238	0.000796
12:45:06.196	-7	0.0014	0.00023	0.00263	8.364	0.000808
12:45:07.196	-7	0.00138	0.00034	0.00265	8.247	0.000797
12:45:08.196	-7	0.00135	0.00021	0.00337	7.915	0.000765
12:45:09.196	-7	0.00128	0.00033	0.00349	7.379	0.000713
12:45:10.196	-7	0.0013	0.00028	0.00365	7.091	0.000685
12:45:11.196	-7	0.00135	0.00026	0.00374	7.176	0.000693
12:45:12.196	-7	0.00134	0.0003	0.0033	6.796	0.000657
12:45:13.196	-7	0.00132	0.00025	0.00361	6.599	0.000638
12:45:14.196	-7	0.00137	0.00036	0.00385	7.127	0.000689
12:45:15.196	-7	0.00125	0.00031	0.00413	7.967	0.00077
12:45:16.196	-7	0.00114	0.00035	0.00405	8.997	0.000869
12:45:17.196	-7	0.00095	0.00031	0.00378	9.612	0.000928
12:45:18.196	-7	0.00084	0.00032	0.00435	9.673	0.000935
12:45:19.196	-7	0.00077	0.00031	0.00442	9.64	0.000931
12:45:20.196	-7	0.00073	0.00027	0.0049	9.516	0.00092
12:45:21.196	-7	0.00071	0.00032	0.00499	9.301	0.000899
12:45:22.196	-7	0.00068	0.00027	0.00495	9.243	0.000893
12:45:23.196	-7	0.00068	0.00034	0.00477	9.382	0.000907
12:45:24.196	-7	0.00068	0.00023	0.00433	9.67	0.000934
12:45:25.196	-7	0.00069	0.00024	0.00439	9.884	0.000955
12:45:26.196	-7	0.00071	0.00032	0.00402	10.162	0.000982
12:45:27.196	-7	0.00074	0.00025	0.00396	10.431	0.001007
12:45:28.196	-7	0.00072	0.00041	0.00425	10.522	0.001016
12:45:29.196	-7	0.00071	0.00027	0.00445	10.606	0.001024
12:45:30.196	-7	0.00072	0.00039	0.00405	10.896	0.001052
12:45:31.196	-7	0.0007	0.0003	0.00398	10.598	0.001024
12:45:32.196	-7	0.00071	0.00037	0.0045	10.603	0.001024
12:45:33.196	-7	0.00068	0.00035	0.00463	10.501	0.001014
12:45:34.196	-7	0.00067	0.00028	0.00457	10.383	0.001003
12:45:35.196	-7	0.00067	0.00039	0.00437	10.473	0.001011
12:45:36.196	-7	0.00066	0.00024	0.00387	10.426	0.001007
12:45:37.196	-7	0.00065	0.00031	0.00386	10.24	0.000989
12:45:38.196	-7	0.00061	0.00013	0.00432	10.094	0.000975
12:45:39.196	-7	0.00058	0.00014	0.00449	10.091	0.000975
12:45:40.196	-7	0.00056	0.00017	0.00452	10.168	0.000982
12:45:41.196	-7	0.00056	0.00013	0.0046	10.678	0.001031
12:45:42.196	-7	0.00054	0.00024	0.00461	10.717	0.001035

69.4	2.68E+01	30.400	3.600	23.951	2.804	6.400
69.4	2.71E+01	30.600	3.900	24.023	3.052	5.900
69.4	2.54E+01	28.400	4.100	22.235	3.201	8.900
69.4	2.27E+01	24.800	4.200	19.427	3.292	5.700
69.4	2.02E+01	21.500	4.200	16.907	3.301	7.700
69.4	1.85E+01	19.200	4.200	15.144	3.308	4.300
69.4	1.73E+01	17.800	4.200	13.987	3.307	8.700
69.4	1.65E+01	16.900	4.100	13.247	3.231	6.600
69.4	1.59E+01	16.100	4.100	12.660	3.216	7.800
69.4	1.54E+01	15.500	4.100	12.158	3.208	11.100
68.7	1.50E+01	15.100	4.000	11.839	3.141	8.000
68.7	1.47E+01	14.700	4.000	11.540	3.138	12.100
68.8	1.46E+01	14.700	3.900	11.554	3.065	7.600
68.8	1.46E+01	14.700	3.800	11.575	2.992	12.500
69.2	1.49E+01	15.100	3.800	11.887	2.999	10.600
69.2	1.58E+01	16.200	3.800	12.761	2.992	9.900
69.3	1.63E+01	16.900	3.800	13.301	2.995	12.000
69.3	1.64E+01	17.000	3.800	13.402	2.997	10.400
68.6	1.61E+01	16.700	3.800	13.113	2.992	13.800
68.6	1.36E+01	13.600	3.800	10.643	2.982	11.300
69	1.13E+01	10.600	3.800	8.286	2.975	11.700
69	8.80E+00	7.900	3.300	6.185	2.594	9.400
68.9	7.60E+00	6.600	3.100	5.156	2.432	9.500
68.9	6.90E+00	5.800	2.900	4.576	2.278	9.300
68.9	6.50E+00	5.600	2.700	4.413	2.133	8.000
68.9	6.40E+00	5.400	2.700	4.258	2.124	9.700
69	6.20E+00	5.300	2.600	4.169	2.055	8.100
69	6.20E+00	5.300	2.600	4.162	2.042	10.400
69	6.20E+00	5.400	2.500	4.232	1.959	6.800
69	6.20E+00	5.400	2.500	4.229	1.958	7.100
69	6.20E+00	5.400	2.500	4.228	1.958	9.200
69	6.30E+00	5.500	2.500	4.306	1.957	7.100
69	6.10E+00	5.400	2.400	4.227	1.879	11.400
69	6.00E+00	5.300	2.400	4.153	1.876	7.600
69	6.00E+00	5.300	2.300	4.143	1.808	10.700
69	5.90E+00	5.300	2.300	4.147	1.800	8.500
69.2	5.90E+00	5.300	2.300	4.149	1.800	10.200
69.2	5.80E+00	5.200	2.200	4.070	1.722	9.800
69.2	5.80E+00	5.200	2.200	4.069	1.722	8.000
69.2	5.80E+00	5.200	2.200	4.064	1.719	11.100
69.3	5.70E+00	5.100	2.200	3.997	1.720	7.000
69.3	5.60E+00	5.000	2.200	3.924	1.722	9.000
69.3	5.40E+00	4.700	2.100	3.694	1.657	3.800
69.3	5.10E+00	4.400	2.100	3.463	1.645	4.200
69.2	4.90E+00	4.100	2.100	3.232	1.645	4.800
69.2	4.80E+00	4.000	2.100	3.136	1.641	3.700
69.2	4.60E+00	3.900	2.000	3.058	1.562	6.900

2202	68.93	71.7	385.7	487.533215
2201	68.93	70.6	384.585894	483.369039
2201	68.93	66.7	384.1	479.475008
2203	68.93	64	384.1	475.580977
2202	68.93	62.2	383.642342	470.526016
2200	68.819	61.5	383.3	464.677557
2201	68.31	64.4	383.3	458.829098
2198	68.31	63.1	383.196367	453.865385
2194	68.31	66.8	382.6	455.209975
2195	68.31	65.9	382.6	456.554565
2196	68.31	64.5	382.6	457.899156
2197	68.31	63.1	382.6	454.917664
2198	68.31	61.7	382.6	451.585409
2200	68.31	60.6	382.6	448.253154
2198	68.31	62.8	383.281271	446.215285
2198	68.31	61.7	383.3	444.435052
2197	68.31	61	382.840764	442.654819
2195	68.31	63.4	382.6	442.606854
2193	68.31	66.4	382.6	443.834032
2192	68.31	67	382.6	445.061209
2189	68.31	68.8	382.6	446.849142
2187	68.31	69.4	382.6	450.462511
2187	68.31	69.8	382.6	454.075881
2190	68.31	69.8	382.6	457.68925
2192	68.31	68.4	382.6	458.309735
2194	68.31	69.1	382.002759	458.648614
2193	68.31	72.3	381.8	458.987492
2192	68.31	73.5	381.8	462.157609
2192	68.31	73.3	381.405444	466.734869
2193	68.31	73.2	380.764744	471.312128
2195	68.31	72.6	380.3	475.241532
2195	68.31	71	380.123285	477.096709
2192	68.31	72.5	379.483057	478.951885
2194	68.31	71.2	378.746409	480.807062
2197	68.31	71.9	378.014181	481.757593
2197	68.31	71.3	377.345779	482.603122
2195	68.31	72.5	377.2	483.44865
2195	68.31	72.5	376.568727	484.675327
2198	68.31	72.5	376.4	485.985105
2198	68.31	72.8	376.4	487.294883
2196	68.31	72.1	376.4	487.008761
2195	68.31	72.2	376.4	485.352182
2196	68.31	72.5	376.4	483.695604
2196	68.31	72.5	376.4	483.354511
2194	68.31	72.7	376.4	484.99489
2197	68.31	72.9	376.621242	486.635268
2198	68.31	71	377.2	487.765341

2.19859	0.34426	9.87985	11579.673
2.20127	0.34444	9.88511	11588.209
2.2037	0.3447	9.88972	11596.587
2.20577	0.34486	9.89381	11604.559
2.20752	0.34506	9.89767	11611.903
2.20906	0.34517	9.901	11618.817
2.21047	0.34538	9.90456	11625.598
2.21181	0.34554	9.90798	11632.539
2.21319	0.34574	9.91121	11640.108
2.2146	0.34605	9.91417	11648.346
2.216	0.34628	9.9168	11656.71
2.21738	0.34662	9.91945	11664.957
2.21873	0.34683	9.92282	11672.872
2.22001	0.34716	9.92631	11680.251
2.22131	0.34744	9.92996	11687.342
2.22266	0.3477	9.9337	11694.518
2.224	0.348	9.937	11701.314
2.22532	0.34825	9.94061	11707.913
2.22669	0.34861	9.94446	11715.04
2.22794	0.34892	9.94859	11723.007
2.22908	0.34927	9.95264	11732.004
2.23003	0.34958	9.95642	11741.616
2.23087	0.3499	9.96077	11751.289
2.23164	0.35021	9.96519	11760.929
2.23237	0.35048	9.97009	11770.445
2.23308	0.3508	9.97508	11779.746
2.23376	0.35107	9.98003	11788.989
2.23444	0.35141	9.9848	11798.371
2.23512	0.35164	9.98913	11808.041
2.23581	0.35188	9.99352	11817.925
2.23652	0.3522	9.99754	11828.087
2.23726	0.35245	10.0015	11838.518
2.23798	0.35286	10.00575	11849.04
2.23869	0.35313	10.0102	11859.646
2.23941	0.35352	10.01425	11870.542
2.24011	0.35382	10.01823	11881.14
2.24082	0.35419	10.02273	11891.743
2.2415	0.35454	10.02736	11902.244
2.24217	0.35482	10.03193	11912.627
2.24284	0.35521	10.0363	11923.1
2.2435	0.35545	10.04017	11933.526
2.24415	0.35576	10.04403	11943.766
2.24476	0.35589	10.04835	11953.86
2.24534	0.35603	10.05284	11963.951
2.2459	0.3562	10.05736	11974.119
2.24646	0.35633	10.06196	11984.797
2.247	0.35657	10.06657	11995.514

12:45:43.196	-7	0.00054	0.00012	0.00456	10.427	0.001007
12:45:44.196	-7	0.00053	0.00034	0.00505	10.272	0.000992
12:45:45.196	-7	0.00051	0.00025	0.00512	10.015	0.000967
12:45:46.196	-7	0.00051	0.00027	0.00509	9.959	0.000962
12:45:47.196	-7	0.0005	0.00023	0.00498	9.994	0.000966
12:45:48.196	-7	0.0005	0.00019	0.00448	10.386	0.001003
12:45:49.196	-7	0.0005	0.00025	0.004	10.737	0.001037
12:45:50.196	-7	0.0005	0.00015	0.00401	11.079	0.00107
12:45:51.196	-7	0.00047	0.00027	0.00401	10.974	0.00106
12:45:52.196	-7	0.00045	0.00019	0.0042	10.419	0.001006
12:45:53.196	-7	0.00043	0.00026	0.00465	9.887	0.000955
12:45:54.196	-7	0.00043	0.00025	0.00512	10.087	0.000975
12:45:55.196	-7	0.00042	0.00018	0.00457	10.534	0.001017
12:45:56.196	-7	0.00044	0.00026	0.00368	11.357	0.001096
12:45:57.196	-7	0.00047	0.00021	0.00356	12.296	0.001187
12:45:58.196	-7	0.0005	0.00035	0.0038	12.738	0.00123
12:45:59.196	-7	0.0005	0.00022	0.00383	12.092	0.001168
12:46:00.196	-7	0.00047	0.00026	0.00347	10.42	0.001007
12:46:01.196	-7	0.00054	0.00024	0.00365	9.477	0.000915
12:46:02.196	-7	0.0006	0.00017	0.00321	9.74	0.000941
12:46:03.196	-7	0.00064	0.00031	0.00356	10.611	0.001025
12:46:04.196	-7	0.00062	0.00025	0.0037	11.133	0.001075
12:46:05.196	-7	0.00053	0.00034	0.00349	10.859	0.001049
12:46:06.196	-7	0.00047	0.00022	0.00403	10.267	0.000992
12:46:07.196	-7	0.00043	0.00028	0.00496	9.691	0.000936
12:46:08.196	-7	0.0004	0.00026	0.00486	9.108	0.00088
12:46:09.196	-7	0.00035	0.00017	0.00413	8.197	0.000792
12:46:10.196	-7	0.00031	0.00025	0.00368	7.237	0.000699
12:46:11.196	-7	0.00028	0.00014	0.00367	6.669	0.000645
12:46:12.196	-7	0.00025	0.00025	0.00353	6.584	0.000636
12:46:13.196	-7	0.00022	0.00018	0.00326	7.016	0.000678
12:46:14.196	-7	0.00022	0.00026	0.00301	7.519	0.000726
12:46:15.196	-7	0.0002	0.00023	0.00269	7.79	0.000752
12:46:16.196	-7	0.00018	0.00021	0.0027	7.766	0.00075
12:46:17.196	-7	0.00015	0.0003	0.00307	7.945	0.000767
12:46:18.196	-7	0.00014	0.00021	0.00312	8.229	0.000795
12:46:19.196	-7	0.00014	0.00031	0.00267	8.093	0.000782
12:46:20.196	-7	0.00014	0.00022	0.00258	7.932	0.000766
12:46:21.196	-7	0.00014	0.00028	0.00293	8.066	0.000779
12:46:22.196	-7	0.00014	0.00024	0.00364	8.197	0.000792
12:46:23.196	-7	0.00014	0.00017	0.00416	7.983	0.000771
12:46:24.196	-7	0.00013	0.00028	0.00402	7.584	0.000733
12:46:25.196	-7	0.00013	0.00019	0.00403	7.648	0.000739
12:46:26.196	-7	0.00013	0.00031	0.00382	8.122	0.000785
12:46:27.196	-7	0.00014	0.00022	0.00358	8.748	0.000845
12:46:28.196	-7	0.00015	0.00032	0.00356	9.39	0.000907
12:46:29.196	-7	0.00016	0.00026	0.00374	9.732	0.00094

69.2	4.60E+00	3.900	2.000	3.050	1.564	3.300
69.2	4.60E+00	3.800	2.000	2.987	1.566	9.700
69.2	4.50E+00	3.800	1.900	2.977	1.497	7.400
69.3	4.50E+00	3.800	1.900	2.977	1.489	8.000
69.3	4.40E+00	3.700	1.900	2.909	1.489	6.900
69.3	4.40E+00	3.700	1.900	2.893	1.485	5.600
69.3	4.30E+00	3.600	1.900	2.810	1.483	7.000
69.2	4.20E+00	3.500	1.900	2.739	1.482	4.300
69.2	3.90E+00	3.200	1.800	2.520	1.416	7.500
69.7	3.80E+00	3.100	1.800	2.426	1.409	5.300
69.7	3.80E+00	3.000	1.800	2.364	1.413	7.500
69.2	3.80E+00	3.000	1.800	2.351	1.411	7.100
69.2	3.70E+00	2.900	1.800	2.264	1.405	5.300
69.2	3.70E+00	2.900	1.800	2.256	1.400	7.300
69.2	3.70E+00	2.900	1.800	2.254	1.399	5.500
69	3.70E+00	2.900	1.800	2.259	1.402	8.500
69	3.70E+00	2.900	1.800	2.271	1.410	5.300
69.2	3.80E+00	3.100	1.800	2.414	1.414	7.200
69.2	4.90E+00	4.400	1.800	3.467	1.413	7.300
69.3	5.50E+00	5.300	1.800	4.129	1.409	5.300
69.3	5.60E+00	5.400	1.800	4.213	1.404	9.100
69.2	5.30E+00	4.900	1.800	3.850	1.403	7.000
69.2	4.50E+00	4.000	1.800	3.088	1.407	9.400
69.2	4.00E+00	3.300	1.800	2.618	1.412	6.200
69.2	3.80E+00	3.000	1.800	2.367	1.415	8.200
69.2	3.70E+00	2.900	1.800	2.282	1.417	8.000
69.2	3.60E+00	2.700	1.800	2.137	1.419	5.900
69.4	3.60E+00	2.700	1.800	2.131	1.421	9.500
69.4	3.40E+00	2.600	1.700	2.063	1.352	5.900
69.4	3.10E+00	2.200	1.700	1.771	1.340	10.400
69.4	2.70E+00	1.700	1.700	1.359	1.336	7.200
69.4	2.50E+00	1.500	1.700	1.187	1.333	10.100
69.4	2.30E+00	1.200	1.700	0.961	1.333	8.600
69.3	2.00E+00	0.900	1.600	0.716	1.266	7.900
69.3	1.70E+00	0.500	1.600	0.411	1.256	11.000
69.2	1.50E+00	0.400	1.500	0.314	1.176	7.400
69.2	1.50E+00	0.400	1.500	0.314	1.177	11.100
69.2	1.50E+00	0.400	1.500	0.314	1.178	8.100
69.2	1.50E+00	0.400	1.500	0.314	1.178	9.800
69.2	1.50E+00	0.400	1.500	0.314	1.178	8.300
69.2	1.50E+00	0.400	1.500	0.314	1.178	6.200
69.2	1.50E+00	0.400	1.500	0.303	1.180	10.500
69.2	1.50E+00	0.400	1.500	0.315	1.179	7.000
69.2	1.40E+00	0.300	1.500	0.236	1.177	11.000
69.2	1.40E+00	0.300	1.500	0.235	1.175	7.200
69.2	1.40E+00	0.300	1.500	0.235	1.175	10.100
69.2	1.40E+00	0.300	1.500	0.235	1.176	7.900

2198	68.31	71	377.333558	487.177309
2197	68.31	71.6	377.9	486.589277
2199	68.31	71.4	378.507007	485.845596
2200	68.31	72.7	379.5	484.797064
2196	68.31	73.3	379.5	483.748532
2196	68.31	73.3	379.529224	482.7
2196	68.31	72	380.259817	486.601825
2196	68.31	71.1	380.3	490.50365
2193	68.31	71	380.917122	494.405475
2195	68.31	70.2	381	491.894717
2198	68.31	70.6	381.621682	487.995346
2197	68.31	72.2	381.8	484.095975
2194	68.31	73.4	381.8	486.78473
2193	68.31	74.5	381.8	493.147238
2193	68.31	74.1	381.8	499.509746
2195	68.458	71	382.141294	501.951086
2198	68.93	67.7	382.6	498.977481
2203	68.837	70.3	382.849753	496.003876
2203	68.31	73.6	383.3	495.080318
2199	68.31	74.8	383.3	496.907759
2197	68.31	74.3	383.460294	498.735201
2195	68.31	72.8	384.1	499.949082
2196	68.31	69.7	384.156929	494.882584
2197	68.31	68.7	385.655056	489.816086
2202	68.31	69.7	385.7	484.749588
2204	68.745	63.5	385.7	479.297484
2208	68.93	61	386.241899	473.816801
2208	68.93	60.8	386.4	468.336119
2204	68.93	62.1	386.4	464.99768
2201	68.739	63.7	386.4	463.135653
2198	68.31	64.1	386.4	461.273626
2197	68.31	63.9	386.4	459.384416
2197	68.31	62.3	386.4	457.436364
2197	68.31	62.4	386.4	455.488312
2198	68.31	65.1	386.4	453.7
2197	68.31	64.1	386.4	453.7
2196	68.31	62.5	386.4	453.7
2195	68.31	63.6	386.4	453.7
2193	68.31	64.9	386.4	454.617076
2194	68.31	65.8	386.4	456.103422
2197	68.31	64.3	386.4	457.589768
2197	68.31	62.9	386.4	457.232354
2196	68.31	64.9	385.964286	456.172069
2193	68.31	68.2	385.7	455.111784
2190	68.31	69.9	385.7	455.735638
2189	68.31	71.6	385.7	458.656767
2190	68.31	70.5	385.7	461.577897

2.24754	0.35669	10.07113	12005.941
2.24807	0.35703	10.07618	12016.213
2.24858	0.35728	10.0813	12026.228
2.24909	0.35755	10.08639	12036.187
2.24959	0.35778	10.09137	12046.181
2.25009	0.35797	10.09585	12056.567
2.25059	0.35822	10.09985	12067.304
2.25109	0.35837	10.10386	12078.383
2.25156	0.35864	10.10787	12089.357
2.25201	0.35883	10.11207	12099.776
2.25244	0.35909	10.11672	12109.663
2.25287	0.35934	10.12184	12119.75
2.25329	0.35952	10.12641	12130.284
2.25373	0.35978	10.13009	12141.641
2.2542	0.35999	10.13365	12153.937
2.2547	0.36034	10.13745	12166.675
2.2552	0.36056	10.14128	12178.767
2.25567	0.36082	10.14475	12189.187
2.25621	0.36106	10.1484	12198.664
2.25681	0.36123	10.15161	12208.404
2.25745	0.36154	10.15517	12219.015
2.25807	0.36179	10.15887	12230.148
2.2586	0.36213	10.16236	12241.007
2.25907	0.36235	10.16639	12251.274
2.2595	0.36263	10.17135	12260.965
2.2599	0.36289	10.17621	12270.073
2.26025	0.36306	10.18034	12278.27
2.26056	0.36331	10.18402	12285.507
2.26084	0.36345	10.18769	12292.176
2.26109	0.3637	10.19122	12298.76
2.26131	0.36388	10.19448	12305.776
2.26153	0.36414	10.19749	12313.295
2.26173	0.36437	10.20018	12321.085
2.26191	0.36458	10.20288	12328.851
2.26206	0.36488	10.20595	12336.796
2.2622	0.36509	10.20907	12345.025
2.26234	0.3654	10.21174	12353.118
2.26248	0.36562	10.21432	12361.05
2.26262	0.3659	10.21725	12369.116
2.26276	0.36614	10.22089	12377.313
2.2629	0.36631	10.22505	12385.296
2.26303	0.36659	10.22907	12392.88
2.26316	0.36678	10.2331	12400.528
2.26329	0.36709	10.23692	12408.65
2.26343	0.36731	10.2405	12417.398
2.26358	0.36763	10.24406	12426.788
2.26374	0.36789	10.2478	12436.52

12:46:30.196	-7	0.00016	0.00021	0.00391	9.984	0.000964
12:46:31.196	-7	0.00016	0.00025	0.00442	9.8	0.000947
12:46:32.196	-7	0.00017	0.00018	0.00445	9.632	0.000931
12:46:33.196	-7	0.00017	0.00035	0.00439	9.487	0.000917
12:46:34.196	-7	0.00017	0.00025	0.00432	9.342	0.000903
12:46:35.196	-7	0.00018	0.00035	0.00427	9.213	0.00089
12:46:36.196	-7	0.00017	0.00035	0.00434	9.667	0.000934
12:46:37.196	-7	0.00018	0.00032	0.00389	10.113	0.000977
12:46:38.196	-7	0.00018	0.00033	0.00336	10.188	0.000984
12:46:39.196	-7	0.00021	0.00023	0.0035	9.963	0.000962
12:46:40.196	-7	0.00021	0.00033	0.00374	9.586	0.000926
12:46:41.196	-7	0.00021	0.0002	0.0038	9.416	0.00091
12:46:42.196	-7	0.0002	0.00029	0.00421	9.248	0.000893
12:46:43.196	-7	0.0002	0.00023	0.00422	9.274	0.000896
12:46:44.196	-7	0.00021	0.00023	0.00386	9.559	0.000923
12:46:45.196	-7	0.00021	0.00026	0.00374	9.884	0.000955
12:46:46.196	-7	0.00021	0.0002	0.00352	10.075	0.000973
12:46:47.196	-7	0.0002	0.00028	0.00329	9.943	0.00096
12:46:48.196	-7	0.0002	0.00019	0.0037	9.587	0.000926
12:46:49.196	-7	0.00019	0.00026	0.0036	9.266	0.000895
12:46:50.196	-7	0.00019	0.00022	0.00363	9.353	0.000904
12:46:51.196	-7	0.0002	0.00024	0.0037	9.593	0.000927
12:46:52.196	-7	0.0002	0.00033	0.00349	9.953	0.000961
12:46:53.196	-7	0.00021	0.0002	0.00333	10.357	0.001
12:46:54.196	-7	0.00023	0.00035	0.00389	10.462	0.00101
12:46:55.196	-7	0.00022	0.00022	0.0038	9.949	0.000961
12:46:56.196	-7	0.00022	0.00029	0.00419	9.572	0.000925
12:46:57.196	-7	0.00021	0.00022	0.00417	9.083	0.000878
12:46:58.196	-7	0.0002	0.00019	0.00417	8.478	0.000819
12:46:59.196	-7	0.00018	0.00014	0.00419	7.855	0.000759
12:47:00.196	-7	0.00017	0.00012	0.00397	7.569	0.000731
12:47:01.196	-7	0.00016	0.00021	0.00333	7.008	0.000677
12:47:02.196	-7	0.00016	0.00015	0.00314	6.69	0.000646
12:47:03.196	-7	0.00016	0.00022	0.00325	7.059	0.000682
12:47:04.196	-7	0.00013	0.00018	0.00307	7.279	0.000703
12:47:05.196	-7	0.0001	0.00019	0.00274	6.493	0.000627
12:47:06.196	-7	0.00008	0.00022	0.00288	5.785	0.000559
12:47:07.196	-7	0.00006	0.00018	0.00303	5.376	0.00052
12:47:08.196	-7	0.00006	0.00021	0.00285	4.812	0.000465
12:47:09.196	-7	0.00005	0.00014	0.00201	3.994	0.000386
12:47:10.196	-7	0.00005	0.00019	0.0019	3.853	0.000373
12:47:11.196	-7	0.00006	0.00017	0.00236	3.962	0.000383
12:47:12.196	-7	0.00006	0.0002	0.00254	4.277	0.000414
12:47:13.196	-7	0.00006	0.0002	0.00266	3.985	0.000386
12:47:14.196	-7	0.00006	0.00018	0.00186	3.408	0.00033
12:47:15.196	-7	0.00006	0.00021	0.0024	2.977	0.000288
12:47:16.196	-7	0.00006	0.00015	0.00337	2.731	0.000265

69	1.40E+00	0.300	1.500	0.235	1.177	6.200
69	1.40E+00	0.300	1.500	0.236	1.178	7.300
68.9	1.50E+00	0.400	1.500	0.304	1.179	5.400
68.9	1.50E+00	0.400	1.500	0.314	1.179	10.400
69.3	1.60E+00	0.500	1.500	0.382	1.179	7.600
69.3	1.60E+00	0.600	1.500	0.462	1.179	10.800
69.3	1.60E+00	0.600	1.400	0.471	1.098	10.500
69.3	1.60E+00	0.600	1.400	0.470	1.096	9.400
69.2	1.60E+00	0.700	1.400	0.539	1.095	9.800
69.2	1.90E+00	1.000	1.400	0.774	1.097	6.700
69.2	1.90E+00	1.000	1.400	0.785	1.099	9.700
69.2	1.90E+00	1.000	1.400	0.785	1.099	6.200
69.2	1.90E+00	1.000	1.400	0.785	1.099	9.100
69.2	1.90E+00	1.000	1.400	0.785	1.099	7.300
69.3	1.90E+00	1.000	1.400	0.784	1.098	7.100
69.3	1.90E+00	1.000	1.400	0.783	1.096	7.700
69.3	1.90E+00	1.000	1.400	0.782	1.095	6.000
69.3	1.80E+00	1.000	1.300	0.783	1.028	8.400
69.3	1.80E+00	1.000	1.300	0.784	1.019	5.600
69.3	1.80E+00	1.000	1.300	0.784	1.020	8.000
69.3	1.80E+00	1.000	1.300	0.784	1.020	6.800
69.3	1.80E+00	1.000	1.300	0.784	1.019	7.200
68.4	1.80E+00	1.000	1.300	0.783	1.017	9.800
68.4	1.90E+00	1.100	1.300	0.850	1.016	5.900
68.8	2.00E+00	1.200	1.300	0.938	1.016	10.000
68.8	2.00E+00	1.200	1.300	0.940	1.018	6.400
69.2	2.00E+00	1.200	1.300	0.941	1.020	8.600
69.2	2.00E+00	1.200	1.300	0.942	1.021	6.800
69.4	2.00E+00	1.200	1.300	0.943	1.022	6.300
69.4	2.00E+00	1.200	1.300	0.943	1.022	5.000
69.4	2.00E+00	1.200	1.300	0.942	1.021	4.500
69.4	2.00E+00	1.200	1.300	0.943	1.022	8.400
69.5	2.00E+00	1.200	1.300	0.944	1.022	6.300
69.5	1.90E+00	1.100	1.300	0.873	1.021	8.800
69.3	1.50E+00	0.700	1.200	0.577	0.950	7.300
69.3	1.30E+00	0.400	1.200	0.324	0.944	8.300
69.5	1.10E+00	0.200	1.200	0.169	0.947	10.000
69.5	1.00E+00	0.000	1.200	0.009	0.948	8.700
69.5	1.00E+00	0.000	1.200	0.000	0.951	11.000
69.5	1.00E+00	0.000	1.200	0.000	0.956	8.300
69.4	1.00E+00	-0.100	1.200	0.000	0.960	11.300
69.4	1.00E+00	-0.200	1.200	0.000	0.960	9.800
69.3	1.00E+00	-0.200	1.200	0.000	0.960	10.400
69.3	1.00E+00	-0.300	1.200	0.000	0.966	10.300
69.3	1.00E+00	-0.300	1.200	0.000	0.975	9.000
69.3	1.00E+00	-0.400	1.200	0.000	0.981	10.700
69.2	1.00E+00	-0.400	1.200	0.000	0.984	7.500

2191	68.31	70.1	385.357391	463.679002
2192	68.31	70	384.597366	464.202401
2193	68.31	70.6	384.1	464.7258
2193	68.31	70.8	384.001921	465.2
2197	68.31	68.5	383.3	465.2
2199	68.31	70.6	383.3	465.2
2194	68.31	74.3	382.717222	465.2
2194	68.31	73.6	382.6	468.661271
2196	68.31	71.3	381.975865	473.087449
2198	68.31	70.1	381.8	477.513626
2199	68.31	69.8	381.8	477.399818
2200	68.31	69.8	381.39037	474.491609
2199	68.31	69.5	381	471.583399
2195	68.31	70	380.767302	470.209042
2192	68.31	73.4	380.119113	472.12427
2194	68.31	74.5	379.5	474.039498
2197	68.31	72.7	379.5	475.595686
2198	68.31	70.2	379.5	474.811373
2199	68.31	68.8	379.5	474.027059
2197	68.31	68	379.5	473.242745
2195	68.31	70.3	378.240364	473.534427
2194	68.31	72.4	379.024404	474.065511
2193	68.31	73.2	378.431225	474.596595
2194	68.31	73.2	377.9	475.87111
2196	68.31	71.5	378.812903	477.607108
2199	68.587	69	379.5	479.343105
2201	68.93	68.5	379.5	477.904991
2203	68.93	66.3	379.5	474.013131
2204	68.93	62.6	379.5	470.121272
2204	68.93	63.4	379.5	466.171105
2201	68.93	62.4	379.5	461.984766
2203	68.93	60.4	379.5	457.798426
2202	68.373	63.8	379.5	453.645178
2199	68.31	65.5	379.5	451.034613
2204	68.711	61.1	379.5	448.424048
2204	68.93	55	379.5	445.813483
2202	68.93	53.3	379.5	438.378636
2202	68.93	50.5	378.464781	429.461819
2203	68.703	46.8	377.9	420.545003
2200	68.31	46.2	377.9	411.619723
2195	68.31	48.3	377.9	402.682897
2195	68.31	49.9	377.7	393.746071
2196	68.31	44.7	377.2	384.11297
2195	68.31	36.3	377.2	371.264485
2192	68.31	36.3	377.2	358.416
2193	68.31	35.2	377.2	345.567515
2191	68.31	35.7	377.2	338.085604

2.2639	0.3681	10.25171	12446.504
2.26406	0.36835	10.25613	12456.304
2.26423	0.36853	10.26058	12465.936
2.2644	0.36888	10.26497	12475.423
2.26457	0.36913	10.26929	12484.765
2.26475	0.36948	10.27356	12493.978
2.26492	0.36983	10.2779	12503.645
2.2651	0.37015	10.28179	12513.758
2.26528	0.37048	10.28515	12523.946
2.26549	0.37071	10.28865	12533.909
2.2657	0.37104	10.29239	12543.495
2.26591	0.37124	10.29619	12552.911
2.26611	0.37153	10.3004	12562.159
2.26631	0.37176	10.30462	12571.433
2.26652	0.37199	10.30848	12580.992
2.26673	0.37225	10.31222	12590.876
2.26694	0.37245	10.31574	12600.951
2.26714	0.37273	10.31903	12610.894
2.26734	0.37292	10.32273	12620.481
2.26753	0.37318	10.32633	12629.747
2.26772	0.3734	10.32996	12639.1
2.26792	0.37364	10.33366	12648.693
2.26812	0.37397	10.33715	12658.646
2.26833	0.37417	10.34048	12669.003
2.26856	0.37452	10.34437	12679.465
2.26878	0.37474	10.34817	12689.414
2.269	0.37503	10.35236	12698.986
2.26921	0.37525	10.35653	12708.069
2.26941	0.37544	10.3607	12716.547
2.26959	0.37558	10.36489	12724.402
2.26976	0.3757	10.36886	12731.971
2.26992	0.37591	10.37219	12738.979
2.27008	0.37606	10.37533	12745.669
2.27024	0.37628	10.37858	12752.728
2.27037	0.37646	10.38165	12760.007
2.27047	0.37665	10.38439	12766.5
2.27055	0.37687	10.38727	12772.285
2.27061	0.37705	10.3903	12777.661
2.27067	0.37726	10.39315	12782.473
2.27072	0.3774	10.39516	12786.467
2.27077	0.37759	10.39706	12790.32
2.27083	0.37776	10.39942	12794.282
2.27089	0.37796	10.40196	12798.559
2.27095	0.37816	10.40462	12802.544
2.27101	0.37834	10.40648	12805.952
2.27107	0.37855	10.40888	12808.929
2.27113	0.3787	10.41225	12811.66

12:47:17.196	-7	0.00006	0.00021	0.00379	2.756	0.000267
12:47:18.196	-7	0.00006	0.00017	0.00349	2.871	0.000278
12:47:19.196	-7	0.00006	0.00021	0.00317	3.08	0.000298
12:47:20.196	-7	0.00006	0.00021	0.00281	2.981	0.000289
12:47:21.196	-7	0.00006	0.00016	0.0031	2.66	0.000258
12:47:22.196	-7	0.00006	0.00024	0.00337	2.486	0.000241
12:47:23.196	-7	0.00005	0.00015	0.00334	2.87	0.000278
12:47:24.196	-7	0.00005	0.00021	0.00308	3.386	0.000328
12:47:25.196	-7	0.00005	0.00019	0.00338	3.949	0.000382
12:47:26.196	-7	0.00005	0.00022	0.0029	4.263	0.000412
12:47:27.196	-7	0.00005	0.00022	0.00267	4.1	0.000397
12:47:28.196	-7	0.00005	0.00017	0.00282	3.69	0.000357
12:47:29.196	-7	0.00006	0.00025	0.00327	3.973	0.000385
12:47:30.196	-7	0.00006	0.00019	0.0033	3.737	0.000362
12:47:31.196	-7	0.00006	0.00027	0.00272	3.372	0.000327
12:47:32.196	-7	0.00006	0.0002	0.00352	3.167	0.000307
12:47:33.196	-7	0.00005	0.00022	0.00386	3.213	0.000311
12:47:34.196	-7	0.00005	0.00025	0.00372	3.331	0.000323
12:47:35.196	-7	0.00005	0.0002	0.00349	3.336	0.000323
12:47:36.196	-7	0.00006	0.00027	0.00348	3.285	0.000318
12:47:37.196	-7	0.00006	0.0002	0.00346	3.333	0.000323
12:47:38.196	-7	0.00005	0.00023	0.00288	3.199	0.00031
12:47:39.196	-7	0.00005	0.00019	0.00232	3.249	0.000315
12:47:40.196	-7	0.00005	0.00025	0.00211	3.134	0.000303
12:47:41.196	-7	0.00005	0.00025	0.00229	3.194	0.000309
12:47:42.196	-7	0.00005	0.00022	0.00227	3.406	0.00033
12:47:43.196	-7	0.00005	0.00031	0.00199	3.41	0.00033
12:47:44.196	-7	0.00005	0.00025	0.00219	3.237	0.000313
12:47:45.196	-7	0.00005	0.00029	0.00262	3.067	0.000297
12:47:46.196	-7	0.00005	0.00024	0.00275	3.407	0.00033
12:47:47.196	-7	0.00006	0.00031	0.00268	4.18	0.000405
12:47:48.196	-7	0.00006	0.00033	0.0033	4.859	0.00047
12:47:49.196	-7	0.00006	0.00031	0.00236	5.248	0.000507
12:47:50.196	-7	0.00006	0.00037	0.00262	5.867	0.000567
12:47:51.196	-7	0.00007	0.00039	0.00265	7.178	0.000693
12:47:52.196	-7	0.00009	0.00056	0.00275	8.299	0.000801
12:47:53.196	-7	0.00009	0.00039	0.00338	9.103	0.000879
12:47:54.196	-7	0.0001	0.00042	0.00367	9.693	0.000936
12:47:55.196	-7	0.0001	0.00039	0.00451	10.176	0.000983
12:47:56.196	-7	0.0001	0.00033	0.0052	10.369	0.001002
12:47:57.196	-7	0.00011	0.00038	0.00513	10.829	0.001046
12:47:58.196	-7	0.00011	0.00032	0.00461	11.258	0.001087
12:47:59.196	-7	0.00016	0.0004	0.00406	11.62	0.001122
12:48:00.196	-7	0.00019	0.00036	0.00387	13.077	0.001262
12:48:01.196	-7	0.00022	0.00045	0.00416	13.871	0.001339
12:48:02.196	-7	0.00026	0.0004	0.00478	13.785	0.001331
12:48:03.196	-7	0.00027	0.00031	0.00541	13.701	0.001323

69.2	1.00E+00	-0.400	1.200	0.000	0.984	10.600
69.2	9.00E-01	-0.400	1.100	0.000	0.901	8.600
69.2	9.00E-01	-0.400	1.100	0.000	0.898	10.500
69	9.00E-01	-0.400	1.100	0.000	0.899	10.800
69	9.00E-01	-0.400	1.100	0.000	0.903	8.100
69.2	9.00E-01	-0.400	1.100	0.000	0.903	13.000
69.2	9.00E-01	-0.500	1.100	0.000	0.896	8.700
69.2	9.00E-01	-0.500	1.100	0.000	0.888	11.800
69.2	9.00E-01	-0.500	1.100	0.000	0.881	10.600
69.2	9.00E-01	-0.500	1.100	0.000	0.876	12.400
69.2	9.00E-01	-0.500	1.100	0.000	0.877	12.300
69.2	9.00E-01	-0.500	1.100	0.000	0.884	9.600
69.2	9.00E-01	-0.700	1.100	0.000	0.884	13.300
69.3	9.00E-01	-0.700	1.100	0.000	0.888	10.000
69.3	9.00E-01	-0.700	1.100	0.000	0.893	13.600
69.3	9.00E-01	-0.700	1.100	0.000	0.896	10.000
69.3	8.00E-01	-0.700	1.000	0.000	0.824	11.000
69.3	8.00E-01	-0.700	1.000	0.000	0.813	12.400
69.3	8.00E-01	-0.700	1.000	0.000	0.813	9.900
69.3	9.00E-01	-0.600	1.100	0.000	0.895	13.600
69.3	9.00E-01	-0.600	1.100	0.000	0.894	10.000
69.3	9.00E-01	-0.600	1.100	0.000	0.892	12.800
69.3	9.00E-01	-0.600	1.100	0.000	0.890	11.200
69.3	9.00E-01	-0.600	1.100	0.000	0.891	14.400
69.3	9.00E-01	-0.600	1.100	0.000	0.889	15.000
69.3	9.00E-01	-0.500	1.100	0.000	0.886	13.000
69.3	9.00E-01	-0.500	1.100	0.000	0.886	18.000
69.2	9.00E-01	-0.500	1.100	0.000	0.888	14.600
69.2	9.00E-01	-0.500	1.100	0.000	0.890	17.400
69.2	9.00E-01	-0.500	1.100	0.000	0.887	13.800
69.2	9.00E-01	-0.600	1.100	0.000	0.881	16.300
69.2	9.00E-01	-0.600	1.100	0.000	0.874	16.800
69.2	9.00E-01	-0.600	1.100	0.000	0.869	15.600
69.2	9.00E-01	-0.500	1.100	0.000	0.865	18.000
69.2	9.00E-01	-0.400	1.200	0.000	0.929	16.200
69	9.00E-01	-0.400	1.200	0.000	0.938	20.300
69	9.00E-01	-0.400	1.200	0.000	0.938	12.900
69	9.00E-01	-0.400	1.200	0.000	0.939	12.800
69	9.00E-01	-0.400	1.100	0.000	0.874	10.900
68.9	9.00E-01	-0.400	1.100	0.000	0.864	9.000
68.9	9.00E-01	-0.200	1.100	0.000	0.862	10.300
68.9	9.00E-01	0.000	1.100	0.000	0.860	8.600
68.9	1.30E+00	0.600	1.100	0.443	0.858	10.600
68.9	1.40E+00	0.700	1.100	0.545	0.857	8.600
68.9	1.50E+00	0.800	1.100	0.624	0.858	10.000
68.9	1.70E+00	1.100	1.100	0.850	0.859	9.000
68.9	1.90E+00	1.300	1.100	0.994	0.859	6.900

2190	68.31	36.7	376.675399	331.349389
2191	68.31	39.2	376.4	324.613174
2194	68.31	38.6	376.4	318.840712
2195	68.31	34.5	376.4	313.947237
2192	68.31	36.7	376.4	309.053762
2191	68.31	42.3	375.997168	308.088164
2192	68.31	47.2	375.6	310.762855
2191	68.31	50.6	375.6	313.437546
2192	68.31	52.9	375.201399	317.465714
2195	68.31	50.4	374.53873	322.70381
2197	68.31	44.4	373.875068	327.941905
2195	68.31	47.2	372.975455	331.481079
2197	68.31	42.6	371.461526	326.606547
2197	68.31	38.9	370.202675	321.732016
2199	68.31	37	369.460202	316.857485
2198	68.31	38.7	368.219424	313.101639
2197	68.31	40.8	367.166388	309.822951
2197	68.31	40.3	364.895157	306.544262
2197	68.31	39	363.397067	304.118799
2197	68.31	38.9	362.293996	302.286256
2196	68.31	40.7	360.0399	300.453712
2197	68.31	43.9	357.757727	299.672357
2197	68.31	47.4	356.219537	300.313195
2196	68.31	47.2	354.267553	300.954034
2196	68.31	49.7	351.464022	301.594873
2197	68.31	48.2	350.080258	301.81268
2195	68.31	47.2	347.361345	302.027075
2195	68.31	44	345.891455	302.24147
2194	68.31	45.1	344.356452	303.891334
2193	68.31	50.1	342.148177	306.08024
2193	68.31	55.5	340.004858	308.269145
2194	68.31	57.8	338.252584	314.267524
2190	68.31	58.5	336.308148	326.174472
2191	68.31	65	334.128065	338.08142
2190	68.31	68.1	332.674301	350.199291
2188	68.31	66.6	330.732539	363.793619
2188	68.31	67.4	328.074427	377.387947
2189	68.31	69.5	326.61275	390.982275
2188	68.31	70.1	323.483076	399.657172
2189	68.31	70.8	321.463622	407.667582
2191	68.31	71.7	319.471636	415.677993
2190	68.31	72.9	317.374	425.188651
2190	68.31	74.6	315.810922	436.745744
2191	68.31	74.4	315.4	448.302837
2191	68.31	72.7	315.4	457.634899
2192	68.31	72.7	315.4	465.01745
2194	68.31	74.3	315.4	472.4

2.27119	0.37891	10.41604	12814.416
2.27125	0.37908	10.41953	12817.287
2.27131	0.37929	10.4227	12820.367
2.27137	0.3795	10.42551	12823.348
2.27143	0.37966	10.42861	12826.008
2.27149	0.3799	10.43198	12828.494
2.27154	0.38005	10.43532	12831.364
2.27159	0.38026	10.4384	12834.75
2.27164	0.38045	10.44178	12838.699
2.27169	0.38067	10.44468	12842.962
2.27174	0.38089	10.44735	12847.062
2.27179	0.38106	10.45017	12850.752
2.27185	0.38131	10.45344	12854.725
2.27191	0.3815	10.45674	12858.462
2.27197	0.38177	10.45946	12861.834
2.27203	0.38197	10.46298	12865.001
2.27208	0.38219	10.46684	12868.214
2.27213	0.38244	10.47056	12871.545
2.27218	0.38264	10.47405	12874.881
2.27224	0.38291	10.47753	12878.166
2.2723	0.38311	10.48099	12881.499
2.27235	0.38334	10.48387	12884.698
2.2724	0.38353	10.48619	12887.947
2.27245	0.38378	10.4883	12891.081
2.2725	0.38403	10.49059	12894.275
2.27255	0.38425	10.49286	12897.681
2.2726	0.38456	10.49485	12901.091
2.27265	0.38481	10.49704	12904.328
2.2727	0.3851	10.49966	12907.395
2.27275	0.38534	10.50241	12910.802
2.27281	0.38565	10.50509	12914.982
2.27287	0.38598	10.50839	12919.841
2.27293	0.38629	10.51075	12925.089
2.27299	0.38666	10.51337	12930.956
2.27306	0.38705	10.51602	12938.134
2.27315	0.38761	10.51877	12946.433
2.27324	0.388	10.52215	12955.536
2.27334	0.38842	10.52582	12965.229
2.27344	0.38881	10.53033	12975.405
2.27354	0.38914	10.53553	12985.774
2.27365	0.38952	10.54066	12996.603
2.27376	0.38984	10.54527	13007.861
2.27392	0.39024	10.54933	13019.481
2.27411	0.3906	10.5532	13032.558
2.27433	0.39105	10.55736	13046.429
2.27459	0.39145	10.56214	13060.214
2.27486	0.39176	10.56755	13073.915

12:48:04.196	-7	0.0003	0.00045	0.00535	13.547	0.001308
12:48:05.196	-7	0.00035	0.00029	0.00486	13.729	0.001325
12:48:06.196	-7	0.00037	0.00043	0.00485	13.739	0.001326
12:48:07.196	-7	0.00038	0.00034	0.00485	13.573	0.00131
12:48:08.196	-7	0.00038	0.0004	0.00537	13.278	0.001282
12:48:09.196	-7	0.00037	0.00034	0.00552	13.117	0.001267
12:48:10.196	-7	0.00037	0.0003	0.00547	12.995	0.001255
12:48:11.196	-7	0.00038	0.00044	0.00541	12.872	0.001243
12:48:12.196	-7	0.00037	0.00027	0.00543	12.928	0.001248
12:48:13.196	-7	0.00038	0.00037	0.00555	13.398	0.001294
12:48:14.196	-7	0.00037	0.00014	0.00509	13.713	0.001324
12:48:15.196	-7	0.00037	0.0002	0.00526	13.426	0.001296
12:48:16.196	-7	0.00037	0.00015	0.00558	13.324	0.001287
12:48:17.196	-7	0.00037	0.00007	0.00558	13.61	0.001314
12:48:18.196	-7	0.00038	0.00014	0.00569	14.486	0.001398
12:48:19.196	-7	0.00039	0.00016	0.00522	15.436	0.00149
12:48:20.196	-7	0.00041	0.00029	0.00471	16.128	0.001556
12:48:21.196	-7	0.00042	0.00016	0.005	16.074	0.001551
12:48:22.196	-7	0.00042	0.00025	0.00535	15.739	0.001519
12:48:23.196	-7	0.00048	0.00024	0.00565	15.666	0.001512
12:48:24.196	-7	0.00057	0.00019	0.00728	16.292	0.001573
12:48:25.196	-7	0.00066	0.00035	0.00651	16.127	0.001557
12:48:26.196	-7	0.00072	0.00012	0.00688	15.319	0.001479
12:48:27.196	-7	0.00073	0.0003	0.00732	14.477	0.001398
12:48:28.196	-7	0.00071	0.00019	0.00678	14.068	0.001358
12:48:29.196	-7	0.00073	0.0003	0.00586	14.922	0.00144
12:48:30.196	-7	0.00076	0.00028	0.00612	15.69	0.001514
12:48:31.196	-6.7	0.00078	0.0003	0.00634	16.065	0.001551
12:48:32.196	-6	0.00079	0.00032	0.00636	15.804	0.001526
12:48:33.196	-6.3	0.00078	0.00021	0.00622	15.249	0.001472
12:48:34.196	-6.7	0.00079	0.00036	0.00632	14.755	0.001425
12:48:35.196	-6	0.00081	0.0002	0.00658	14.509	0.001401
12:48:36.196	-6	0.00081	0.00027	0.00582	14.248	0.001376
12:48:37.196	-6	0.0008	0.00024	0.00572	13.958	0.001348
12:48:38.196	-6.3	0.00079	0.00024	0.00571	13.92	0.001344
12:48:39.196	-6.7	0.00078	0.00029	0.00571	13.933	0.001345
12:48:40.196	-6	0.00078	0.00016	0.00602	13.963	0.001348
12:48:41.196	-6	0.00076	0.00034	0.00659	14.091	0.001361
12:48:42.196	-6	0.00076	0.00016	0.00665	14.334	0.001384
12:48:43.196	-6	0.00077	0.00024	0.00603	14.633	0.001413
12:48:44.196	-6	0.00077	0.0002	0.00593	14.794	0.001428
12:48:45.196	-6	0.0008	0.00022	0.00604	14.382	0.001389
12:48:46.196	-6	0.0008	0.00037	0.003	11.599	0.001121
12:48:47.196	-6	0.00051	0.00014	0.00012	3.406	0.00033
12:48:48.196	-6	0.00043	0.00027	0.0043	4.1	0.000397
12:48:49.196	-6	0.00039	0.00017	0.00982	7.692	0.000745
12:48:50.196	-6	0.00041	0.00034	0.00797	11.593	0.00112

69	2.10E+00	1.600	1.100	1.226	0.857	10.400
69	2.40E+00	2.000	1.100	1.536	0.857	6.700
69.2	2.60E+00	2.200	1.100	1.704	0.857	9.800
69.2	2.70E+00	2.300	1.100	1.794	0.858	7.700
69.5	2.70E+00	2.300	1.100	1.795	0.859	9.300
69.5	2.70E+00	2.300	1.100	1.795	0.859	7.900
69.3	2.70E+00	2.300	1.100	1.795	0.859	7.100
69.3	2.70E+00	2.300	1.200	1.795	0.930	10.600
69.3	2.70E+00	2.300	1.100	1.795	0.859	6.500
69.3	2.60E+00	2.300	1.100	1.793	0.857	8.800
69.2	2.60E+00	2.200	1.100	1.725	0.857	3.200
69.2	2.60E+00	2.200	1.100	1.717	0.858	4.500
69.2	2.60E+00	2.200	1.100	1.717	0.859	3.500
69.2	2.60E+00	2.200	1.100	1.714	0.857	1.600
69.2	2.60E+00	2.200	1.100	1.709	0.854	3.100
69.2	2.60E+00	2.200	1.100	1.706	0.853	3.400
68.8	2.60E+00	2.200	1.100	1.706	0.853	6.000
68.8	2.60E+00	2.200	1.100	1.708	0.854	3.300
68.9	2.60E+00	2.400	1.000	1.848	0.777	5.200
68.9	3.00E+00	2.900	1.000	2.225	0.776	5.000
69.3	3.50E+00	3.500	1.000	2.690	0.776	3.900
69.3	4.00E+00	4.200	1.000	3.241	0.777	7.100
69	4.50E+00	4.800	1.000	3.702	0.779	2.400
69	4.80E+00	5.100	1.000	3.971	0.780	6.400
69.3	4.80E+00	5.200	1.000	4.053	0.779	4.200
69.3	4.90E+00	5.300	1.000	4.103	0.776	6.700
68.9	4.80E+00	5.200	1.000	4.034	0.776	5.800
68.9	4.80E+00	5.200	1.000	4.041	0.777	6.000
69	4.80E+00	5.200	1.000	4.052	0.779	6.400
69	4.90E+00	5.300	1.000	4.123	0.780	4.300
69	5.10E+00	5.600	1.000	4.343	0.779	7.700
69	5.40E+00	5.900	1.000	4.593	0.780	4.300
69.2	5.50E+00	6.000	1.000	4.682	0.780	6.000
69.2	5.50E+00	6.000	1.000	4.683	0.781	5.400
69.2	5.40E+00	5.900	1.000	4.609	0.780	5.500
69.2	5.30E+00	5.800	1.000	4.531	0.780	6.600
69.2	5.30E+00	5.800	1.000	4.525	0.780	3.600
69.2	5.20E+00	5.600	1.000	4.386	0.780	7.600
69.2	5.10E+00	5.500	1.000	4.288	0.780	3.600
69.2	5.10E+00	5.500	1.000	4.284	0.779	5.200
69	5.10E+00	5.500	1.000	4.279	0.778	4.300
69	5.20E+00	5.600	1.000	4.375	0.781	4.700
69	5.30E+00	5.700	1.000	4.518	0.794	8.100
69	5.50E+00	5.700	1.000	4.707	0.826	5.100
67.4	5.00E+00	5.200	1.000	4.211	0.817	10.500
67.3	3.80E+00	3.800	1.000	3.003	0.795	5.600
65.5	3.30E+00	3.200	1.000	2.516	0.780	9.100

2196	68.31	75.5	315.81099	479.766419
2198	68.461	76.1	316.800721	487.119798
2200	68.831	74.4	318.085507	494.473177
2199	68.31	74.1	319.665811	500.571899
2200	68.31	74.1	321.688931	501.457975
2202	68.31	74.1	323.8146	502.344051
2202	68.876	74.9	326.600909	503.219481
2204	68.48	74.6	327.964545	503.792461
2198	68.31	74.8	331.033218	504.36544
2199	68.705	75.7	333.3074	504.93842
2200	68.608	74.5	336.553153	506.828994
2200	68.31	73.9	338.725197	509.237065
2199	68.31	75.1	341.372222	511.645135
2195	68.31	75.9	344.306593	515.945181
2193	68.31	76.9	346.749432	521.286546
2193	68.31	76	349.600446	526.693966
2192	68.31	75.4	351.733068	532.461491
2194	68.31	74.7	354.840637	538.229015
2194	68.31	74.5	357.282236	543.996539
2193	68.31	76.4	360.543916	547.526004
2195	68.31	76.4	362.835068	550.401977
2200	68.504	74.4	365.6564	553.277951
2204	68.93	73.7	368.545283	553.736442
2200	68.785	74.6	371.129753	551.06773
2199	68.31	77	373.964909	548.399018
2198	68.31	78.6	375.917379	546.887139
2195	68.31	76.7	377.49371	550.791339
2193	68.31	75.5	379.961863	554.695538
2194	68.31	74.6	382.213558	558.014439
2197	68.31	75.3	384.525888	557.345989
2200	68.31	74.5	387.268444	556.67754
2199	68.31	75.3	388.262352	555.856054
2200	68.31	75.3	389.884109	554.062332
2199	68.31	75.2	392.114667	552.26861
2196	68.31	74.7	393.646496	550.761871
2197	68.31	75.8	394.650357	550.179049
2194	68.31	76.4	395.948818	549.596227
2194	68.31	75.7	398.031063	549.013405
2195	68.31	76	399.66594	550.385214
2195	68.31	76.3	400.386113	551.803038
2193	68.31	76.3	401.084076	553.220862
2190	68.31	75.5	402.224022	533.164775
2175	68.044	58	403.678547	493.365877
2123	66.239	11.4	404.99011	453.56698
2088	65.013	54.4	405.5	437.749533
2078	64.58	73.5	405.5	452.702804
2082	64.692	72.6	405.5	467.656075

2.27516	0.39221	10.5729	13087.462
2.27551	0.3925	10.57776	13101.191
2.27588	0.39293	10.58261	13114.93
2.27626	0.39327	10.58746	13128.503
2.27664	0.39367	10.59283	13141.781
2.27701	0.39401	10.59835	13154.898
2.27738	0.39431	10.60382	13167.893
2.27776	0.39475	10.60923	13180.765
2.27813	0.39502	10.61466	13193.693
2.27851	0.39539	10.62021	13207.091
2.27888	0.39553	10.6253	13220.804
2.27925	0.39573	10.63056	13234.23
2.27962	0.39588	10.63614	13247.554
2.27999	0.39595	10.64172	13261.164
2.28037	0.39609	10.64741	13275.65
2.28076	0.39625	10.65263	13291.086
2.28117	0.39654	10.65734	13307.214
2.28159	0.3967	10.66234	13323.288
2.28201	0.39695	10.66769	13339.027
2.28249	0.39719	10.67334	13354.693
2.28306	0.39738	10.68062	13370.985
2.28372	0.39773	10.68713	13387.112
2.28444	0.39785	10.69401	13402.431
2.28517	0.39815	10.70133	13416.908
2.28588	0.39834	10.70811	13430.976
2.28661	0.39864	10.71397	13445.898
2.28737	0.39892	10.72009	13461.588
2.28815	0.39922	10.72643	13477.653
2.28894	0.39954	10.73279	13493.457
2.28972	0.39975	10.73901	13508.706
2.29051	0.40011	10.74533	13523.461
2.29132	0.40031	10.75191	13537.97
2.29213	0.40058	10.75773	13552.218
2.29293	0.40082	10.76345	13566.176
2.29372	0.40106	10.76916	13580.096
2.2945	0.40135	10.77487	13594.029
2.29528	0.40151	10.78089	13607.992
2.29604	0.40185	10.78748	13622.083
2.2968	0.40201	10.79413	13636.417
2.29757	0.40225	10.80016	13651.05
2.29834	0.40245	10.80609	13665.844
2.29914	0.40267	10.81213	13680.226
2.29994	0.40304	10.81513	13691.825
2.30045	0.40318	10.81525	13695.231
2.30088	0.40345	10.81955	13699.331
2.30127	0.40362	10.82937	13707.023
2.30168	0.40396	10.83734	13718.616

12:48:51.196	-6	0.00041	0.00027	0.00559	12.743	0.001231
12:48:52.196	-6	0.00032	0.00019	0.00337	8.462	0.000818
12:48:53.196	-6	0.00024	0.00021	0.00285	6.037	0.000584
12:48:54.196	-6.3	0.00026	0.00015	0.00519	7.742	0.000748
12:48:55.196	-6.7	0.00034	0.00049	0.00425	11.484	0.001108
12:48:56.196	-6.3	0.00038	0.00033	0.00338	12.783	0.001234
12:48:57.196	-7	0.00034	0.00037	0.00341	9.979	0.000964
12:48:58.196	-7	0.00024	0.00017	0.00179	5.351	0.000518
12:48:59.196	-7	0.0002	0.00013	0.00017	2.261	0.000219
12:49:00.196	-7	0.00015	0.0002	0.00085	1.271	0.000123
12:49:01.196	-7	0.00013	0.00021	0.00537	2.722	0.000264
12:49:02.196	-7	0.00015	0.00043	0.00997	7.526	0.000729
12:49:03.196	-7	0.0002	0.00043	0.00966	13.526	0.001306
12:49:04.196	-7	0.00029	0.00051	0.00612	16.946	0.001635
12:49:05.196	-7	0.00051	0.00032	0.00328	13.088	0.001264
12:49:06.196	-7	0.00056	0.00025	0.00245	8.639	0.000835
12:49:07.196	-7	0.00064	0.00024	0.00342	7.67	0.000741
12:49:08.196	-7	0.00068	0.00017	0.00362	8.162	0.000788
12:49:09.196	-7	0.00067	0.00026	0.0037	8.522	0.000823
12:49:10.196	-7	0.00051	0.00014	0.00349	7.341	0.000709
12:49:11.196	-7	0.00045	0.00041	0.00424	7.892	0.000763
12:49:12.196	-7	0.00043	0.00027	0.00523	9.375	0.000906
12:49:13.196	-7	0.00043	0.00026	0.00463	10.492	0.001013
12:49:14.196	-7	0.00045	0.00025	0.00428	11.293	0.00109
12:49:15.196	-7	0.00048	0.00028	0.00426	11.782	0.001138
12:49:16.196	-7	0.00056	0.00037	0.00464	11.861	0.001145
12:49:17.196	-7	0.00075	0.00021	0.005	11.49	0.00111
12:49:18.196	-7	0.00098	0.00032	0.00488	11.213	0.001083
12:49:19.196	-7	0.00119	0.00021	0.00465	10.712	0.001035
12:49:20.196	-7	0.00126	0.00023	0.0045	10.273	0.000992
12:49:21.196	-7	0.00129	0.00024	0.00477	9.952	0.000961
12:49:22.196	-7	0.00133	0.00026	0.00497	10.471	0.001011
12:49:23.196	-7	0.00134	0.00028	0.00462	10.687	0.001032
12:49:24.196	-7	0.00131	0.00021	0.0046	10.372	0.001002
12:49:25.196	-7	0.00126	0.0003	0.00505	9.944	0.000961
12:49:26.196	-7	0.00119	0.00021	0.00509	9.824	0.000949
12:49:27.196	-7	0.00121	0.00027	0.0049	10.311	0.000996
12:49:28.196	-7	0.00121	0.00032	0.00437	10.56	0.00102
12:49:29.196	-7	0.00117	0.00017	0.00397	10.108	0.000976
12:49:30.196	-7	0.00116	0.00032	0.00444	9.949	0.000961
12:49:31.196	-7	0.00113	0.00019	0.00436	9.748	0.000942
12:49:32.196	-7	0.00111	0.00032	0.00433	9.693	0.000936
12:49:33.196	-7	0.0011	0.00019	0.00435	9.734	0.00094
12:49:34.196	-7	0.00107	0.00014	0.00426	9.523	0.00092
12:49:35.196	-7	0.00104	0.00012	0.00416	9.294	0.000898
12:49:36.196	-7	0.00097	0.00013	0.00395	8.808	0.000851
12:49:37.196	-7	0.00089	0.00026	0.00372	8.253	0.000797

65.5	3.00E+00	2.800	1.100	2.196	0.847	6.500
65.5	3.00E+00	2.700	1.100	2.136	0.870	6.000
65.5	3.00E+00	2.700	1.100	2.148	0.875	8.600
65.8	3.00E+00	2.700	1.100	2.114	0.861	5.800
65.8	2.90E+00	2.700	1.100	2.093	0.853	14.000
65.8	2.90E+00	2.600	1.100	2.022	0.856	8.300
65.8	2.80E+00	2.500	1.100	1.967	0.866	10.400
67.2	2.90E+00	2.500	1.100	2.006	0.883	6.700
67.2	3.00E+00	2.500	1.100	2.067	0.909	6.600
67.1	2.60E+00	2.100	1.100	1.724	0.920	11.900
67.1	1.90E+00	1.200	1.100	1.016	0.904	10.000
65.9	1.40E+00	0.700	1.100	0.568	0.877	13.300
65.9	1.40E+00	0.600	1.200	0.467	0.924	10.000
64.6	1.70E+00	0.900	1.400	0.663	1.072	10.100
64.7	3.50E+00	3.000	1.400	2.375	1.095	7.200
69.4	5.30E+00	5.400	1.400	4.237	1.104	7.800
69.4	7.00E+00	7.600	1.300	5.964	1.035	8.700
70.2	7.40E+00	8.100	1.300	6.334	1.018	6.200
70.2	7.10E+00	7.800	1.300	6.128	1.017	9.100
70.2	6.00E+00	6.400	1.300	5.028	1.020	5.600
70.2	4.90E+00	4.900	1.300	3.858	1.021	14.700
69.5	4.10E+00	4.000	1.300	3.092	1.017	8.500
69.5	3.80E+00	3.500	1.300	2.751	1.014	7.600
69.2	3.70E+00	3.400	1.300	2.651	1.014	6.900
69.2	3.80E+00	3.600	1.300	2.797	1.014	7.400
69	4.30E+00	4.200	1.300	3.303	1.015	9.500
69	5.90E+00	6.200	1.300	4.873	1.017	5.600
69	7.90E+00	8.800	1.300	6.909	1.017	8.700
69	1.00E+01	11.500	1.300	8.992	1.017	5.800
69.2	1.10E+01	12.700	1.300	9.964	1.018	6.600
69.2	1.14E+01	13.300	1.300	10.413	1.019	7.100
69.3	1.14E+01	13.300	1.300	10.403	1.017	7.400
69.3	1.13E+01	13.200	1.300	10.329	1.016	8.000
69.3	1.12E+01	13.000	1.300	10.202	1.018	6.000
69.3	1.10E+01	12.700	1.300	9.984	1.020	8.600
69.3	1.05E+01	12.100	1.300	9.523	1.020	6.300
69.3	1.04E+01	11.900	1.300	9.334	1.019	7.500
69.3	1.03E+01	11.900	1.300	9.310	1.017	9.000
69.3	1.03E+01	11.800	1.300	9.245	1.019	5.000
69.2	1.03E+01	11.800	1.300	9.247	1.019	9.400
69.2	1.02E+01	11.700	1.300	9.168	1.019	5.700
69.2	1.01E+01	11.600	1.300	9.092	1.019	9.500
69.2	1.00E+01	11.400	1.300	8.946	1.019	5.600
69.2	9.90E+00	11.300	1.300	8.869	1.019	4.400
69.2	9.80E+00	11.200	1.300	8.790	1.019	3.900
69.3	9.70E+00	11.000	1.300	8.634	1.019	4.300
69.3	9.40E+00	10.700	1.300	8.400	1.019	9.200

2093	65.2	69.2	405.694555	478.666042
2096	65.2	54.9	406.165587	476.324122
2091	65.2	67.9	405.5	473.982201
2094	65.269	90.6	405.25255	474.89068
2110	65.864	74.9	404.7	486.148754
2129	66.428	71.9	404.508364	497.406829
2147	66.996	63.2	402.980488	508.664903
2139	66.556	21.5	402.144828	467.606303
2117	65.987	8.9	400.765517	425.912278
2097	65.329	41.9	400.6	384.218253
2096	65.2	63.6	399.657256	397.256782
2110	65.693	74.8	398.864235	413.665255
2142	66.688	77.1	398.131636	430.073727
2182	68.046	71.9	396.883182	445.90989
2215	69.156	63.2	396.03984	461.58369
2230	69.55	61.6	395.358599	477.25749
2230	69.55	69.8	394.664545	487.9
2228	69.55	68.2	394.00037	487.9
2221	69.516	64.2	393.257845	487.9
2208	68.951	53.8	392.505455	487.693945
2202	68.416	73.7	391.761274	485.378718
2193	68.31	74.8	390.470396	483.063491
2190	68.31	72.3	389.667001	480.748264
2189	68.31	70.7	389.5	483.893039
2190	68.31	70.2	389.037423	489.161148
2192	68.31	71	388.8	494.429257
2193	68.31	72.1	388.8	498.583659
2194	68.31	72.1	389.212062	501.75439
2196	68.31	71.4	389.5	504.925122
2199	68.31	71.4	389.5	504.209259
2199	68.31	72.5	389.5	501.500119
2198	68.465	73.1	389.5	498.790979
2198	68.833	71	389.749863	496.157377
2200	68.31	70.9	390.3	493.698361
2203	68.31	70.6	390.3	491.239344
2198	68.31	71	390.37156	488.817855
2196	68.31	71.6	391.747706	491.049721
2194	68.31	70.2	391.8	493.281587
2195	68.31	70.1	391.8	495.513453
2196	68.31	71.1	391.8	494.322288
2197	68.31	71.4	392.26242	492.176877
2198	68.501	72.1	392.6	490.031466
2198	68.782	72.2	392.6	488.21425
2200	68.31	68.6	392.6	486.83925
2202	68.385	68.2	392.6	485.46425
2205	68.93	66.1	392.403597	483.88305
2201	68.93	63	391.8	481.59566

2.30209	0.40423	10.84293	13731.359
2.30241	0.40442	10.8463	13739.821
2.30265	0.40463	10.84915	13745.858
2.30291	0.40478	10.85434	13753.6
2.30325	0.40527	10.85859	13765.084
2.30363	0.4056	10.86197	13777.867
2.30397	0.40597	10.86538	13787.846
2.30421	0.40614	10.86717	13793.197
2.30441	0.40627	10.86734	13795.458
2.30456	0.40647	10.86819	13796.729
2.30469	0.40668	10.87356	13799.451
2.30484	0.40711	10.88353	13806.977
2.30504	0.40754	10.89319	13820.503
2.30533	0.40805	10.89931	13837.449
2.30584	0.40837	10.90259	13850.537
2.3064	0.40862	10.90504	13859.176
2.30704	0.40886	10.90846	13866.846
2.30772	0.40903	10.91208	13875.008
2.30839	0.40929	10.91578	13883.53
2.3089	0.40943	10.91927	13890.871
2.30935	0.40984	10.92351	13898.763
2.30978	0.41011	10.92874	13908.138
2.31021	0.41037	10.93337	13918.63
2.31066	0.41062	10.93765	13929.923
2.31114	0.4109	10.94191	13941.705
2.3117	0.41127	10.94655	13953.566
2.31245	0.41148	10.95155	13965.056
2.31343	0.4118	10.95643	13976.269
2.31462	0.41201	10.96108	13986.981
2.31588	0.41224	10.96558	13997.254
2.31717	0.41248	10.97035	14007.206
2.3185	0.41274	10.97532	14017.677
2.31984	0.41302	10.97994	14028.364
2.32115	0.41323	10.98454	14038.736
2.32241	0.41353	10.98959	14048.68
2.3236	0.41374	10.99468	14058.504
2.32481	0.41401	10.99958	14068.815
2.32602	0.41433	11.00395	14079.375
2.32719	0.4145	11.00792	14089.483
2.32835	0.41482	11.01236	14099.432
2.32948	0.41501	11.01672	14109.18
2.33059	0.41533	11.02105	14118.873
2.33169	0.41552	11.0254	14128.607
2.33276	0.41566	11.02966	14138.13
2.3338	0.41578	11.03382	14147.424
2.33477	0.41591	11.03777	14156.232
2.33566	0.41617	11.04149	14164.485

12:49:38.196	-7	0.00078	0.00015	0.00367	8.211	0.000793
12:49:39.196	-7	0.00069	0.00022	0.00336	8.291	0.000801
12:49:40.196	-7	0.0006	0.00015	0.00308	8.183	0.00079
12:49:41.196	-7	0.00054	0.00017	0.00305	8.073	0.00078
12:49:42.196	-7	0.0005	0.0002	0.00306	7.984	0.000771
12:49:43.196	-7	0.00047	0.00014	0.00346	7.922	0.000765
12:49:44.196	-7	0.00045	0.00022	0.00357	8	0.000773
12:49:45.196	-7	0.00044	0.00016	0.00368	8.259	0.000798
12:49:46.196	-7	0.00044	0.00024	0.00378	8.491	0.00082
12:49:47.196	-7	0.00042	0.00017	0.00385	8.655	0.000836
12:49:48.196	-7	0.00042	0.00017	0.00389	8.756	0.000846
12:49:49.196	-7	0.00041	0.00018	0.00386	8.631	0.000834
12:49:50.196	-7	0.00039	0.00009	0.00373	8.301	0.000802
12:49:51.196	-7	0.00038	0.00023	0.00365	8.117	0.000784
12:49:52.196	-7	0.00037	0.00016	0.00361	8.031	0.000776
12:49:53.196	-7	0.00036	0.00024	0.00365	8.12	0.000784
12:49:54.196	-7	0.00037	0.00018	0.00371	8.385	0.00081
12:49:55.196	-7	0.00037	0.00021	0.00323	8.247	0.000797
12:49:56.196	-7	0.00036	0.00022	0.00349	8.081	0.000781
12:49:57.196	-7	0.00034	0.00017	0.00353	7.716	0.000745
12:49:58.196	-7	0.00033	0.00027	0.00347	7.598	0.000734
12:49:59.196	-7	0.00034	0.00018	0.0036	7.892	0.000762
12:50:00.196	-7	0.00032	0.00027	0.00374	8.351	0.000807
12:50:01.196	-7	0.00033	0.00021	0.00384	8.658	0.000836
12:50:02.196	-7	0.00033	0.00026	0.00389	8.753	0.000846
12:50:03.196	-7	0.00033	0.00023	0.00382	8.542	0.000825
12:50:04.196	-7	0.00032	0.00023	0.00367	8.12	0.000784
12:50:05.196	-7	0.00031	0.00028	0.00357	7.788	0.000752
12:50:06.196	-7	0.00031	0.00017	0.00353	7.722	0.000746
12:50:07.196	-7	0.00031	0.00029	0.00319	8.006	0.000773
12:50:08.196	-7	0.00032	0.0002	0.00284	8.375	0.000809
12:50:09.196	-7	0.00032	0.00024	0.00274	8.613	0.000832
12:50:10.196	-7	0.00032	0.00025	0.00279	8.784	0.000848
12:50:11.196	-7	0.00033	0.0002	0.00282	8.857	0.000855
12:50:12.196	-7	0.00031	0.00038	0.00276	8.545	0.000825
12:50:13.196	-7	0.00031	0.00026	0.00319	8.45	0.000816
12:50:14.196	-7	0.00031	0.00041	0.00327	8.446	0.000816
12:50:15.196	-7	0.00031	0.00031	0.00329	8.541	0.000825
12:50:16.196	-7	0.00031	0.00039	0.00347	8.504	0.000821
12:50:17.196	-7	0.00031	0.00032	0.00375	8.349	0.000807
12:50:18.196	-7	0.00031	0.00034	0.00369	8.22	0.000794
12:50:19.196	-7	0.00031	0.00038	0.00366	8.139	0.000786
12:50:20.196	-7	0.00031	0.00028	0.00366	8.126	0.000785
12:50:21.196	-7	0.00031	0.0004	0.00375	8.334	0.000805
12:50:22.196	-7	0.00032	0.0003	0.00361	8.621	0.000833
12:50:23.196	-7	0.00031	0.00037	0.00325	8.584	0.000829
12:50:24.196	-7	0.0003	0.00031	0.00319	8.3	0.000802

69.4	8.40E+00	9.400	1.300	7.363	1.019	5.500
69.4	7.40E+00	8.200	1.300	6.385	1.017	7.700
69.4	6.50E+00	7.000	1.300	5.515	1.017	5.400
69.4	6.00E+00	6.400	1.300	4.979	1.018	6.300
69.4	5.50E+00	5.700	1.300	4.484	1.018	7.300
69.4	5.20E+00	5.300	1.300	4.171	1.019	5.000
69.4	4.90E+00	5.000	1.300	3.927	1.019	8.000
69.4	4.70E+00	4.700	1.300	3.704	1.019	5.600
69.3	4.60E+00	4.600	1.300	3.605	1.019	8.400
69.3	4.30E+00	4.200	1.300	3.300	1.019	5.600
69.2	4.20E+00	4.100	1.300	3.213	1.019	5.700
69.2	4.20E+00	4.000	1.300	3.146	1.019	6.100
69.2	4.10E+00	3.900	1.300	3.068	1.020	3.100
69.2	4.10E+00	3.900	1.300	3.059	1.020	8.400
69.2	4.00E+00	3.800	1.300	2.992	1.020	5.800
69.2	3.90E+00	3.700	1.300	2.912	1.020	8.600
69.3	3.90E+00	3.700	1.300	2.899	1.019	6.400
69.3	3.90E+00	3.700	1.300	2.900	1.019	7.300
69.3	3.80E+00	3.600	1.300	2.825	1.020	7.900
69.3	3.80E+00	3.500	1.300	2.760	1.021	6.300
69.3	3.80E+00	3.500	1.300	2.749	1.021	10.100
69.3	3.80E+00	3.500	1.300	2.749	1.021	6.600
69.4	3.40E+00	3.000	1.300	2.389	1.019	9.500
69.4	3.40E+00	3.000	1.300	2.350	1.019	7.200
69	3.40E+00	3.000	1.300	2.351	1.019	8.700
69	3.40E+00	3.000	1.400	2.352	1.087	7.900
69	3.50E+00	3.000	1.400	2.354	1.098	8.100
69	3.50E+00	3.000	1.400	2.357	1.100	10.400
69.3	3.50E+00	3.000	1.400	2.357	1.100	6.300
69.3	3.40E+00	2.900	1.400	2.286	1.099	10.400
69.3	3.40E+00	2.900	1.400	2.273	1.097	6.900
69.3	3.30E+00	2.800	1.400	2.204	1.097	8.100
69.3	3.20E+00	2.800	1.300	2.194	1.028	8.200
69.3	3.30E+00	2.800	1.400	2.194	1.087	6.600
69.2	3.20E+00	2.800	1.300	2.197	1.020	13.000
69.2	3.20E+00	2.800	1.300	2.197	1.020	8.900
69.2	3.20E+00	2.800	1.300	2.197	1.020	14.100
69.2	3.20E+00	2.800	1.300	2.196	1.020	10.600
69.2	3.20E+00	2.800	1.300	2.196	1.020	13.300
69.2	3.20E+00	2.800	1.300	2.196	1.020	11.300
69.2	3.30E+00	2.900	1.300	2.263	1.020	12.100
69.2	3.30E+00	2.900	1.300	2.275	1.020	13.700
69	3.30E+00	2.900	1.300	2.276	1.020	10.000
69	3.30E+00	2.900	1.300	2.275	1.020	14.100
69.2	3.30E+00	2.900	1.300	2.272	1.019	10.200
69.2	3.20E+00	2.800	1.300	2.206	1.019	12.600
69.2	3.20E+00	2.800	1.300	2.196	1.020	10.900

2201	68.43	66.9	391.8	479.30827
2199	68.31	66.2	391.8	477.02088
2201	68.672	64.6	391.8	475.475188
2202	68.93	64.1	391.8	474.096742
2201	68.617	63.6	391.8	472.718296
2199	68.31	63.3	390.895909	471.238624
2196	68.31	63.9	390.3	469.697958
2195	68.31	66.4	390.3	468.157291
2196	68.31	67.1	390.3	468.315035
2196	68.31	66.5	390.3	468.813277
2195	68.31	66.2	390.3	469.311518
2195	68.31	66.2	390.3	469.351838
2195	68.31	65	390.3	468.762379
2199	68.31	65.2	390.3	468.17292
2197	68.31	66.1	390.3	467.9
2195	68.31	67.3	390.3	467.9
2198	68.31	67	390.3	467.9
2200	68.31	64.3	390.3	466.098148
2201	68.31	64.1	390.3	463.937654
2200	68.31	63.6	389.768635	461.77716
2197	68.31	63	389.5	460.9
2193	68.31	64.3	389.5	460.9
2191	68.31	66.8	389.5	460.9
2194	68.31	66.4	389.5	461.365014
2196	68.31	66.6	389.5	462.748986
2198	68.31	66	389.35207	464.132958
2196	68.31	64	388.8	464.740946
2198	68.31	64.3	388.8	462.736346
2196	68.31	63	388.8	460.731745
2195	68.31	66.6	388.8	459.476083
2192	68.31	66	388.714331	461.498036
2191	68.31	67.1	388.084409	463.519988
2191	68.31	67.5	388	465.541941
2194	68.31	66.6	388	465.888373
2197	68.31	65.4	388	465.59607
2196	68.31	67.1	388	465.303767
2197	68.31	67.7	388	465.753208
2197	68.31	67.5	387.440956	466.610896
2197	68.576	66.3	387.2	467.468583
2196	68.728	65.4	387.2	467.207756
2197	68.31	65.4	386.867542	465.81491
2198	68.31	64.5	386.4	464.422064
2197	68.31	65.4	386.4	463.769488
2194	68.31	66.4	386.4	464.566789
2197	68.31	67.1	386.263978	465.364091
2195	68.31	64.7	385.7	465.998563
2197	68.31	65.4	385.7	464.681198

2.33644	0.41632	11.04516	14172.696
2.33713	0.41654	11.04852	14180.987
2.33773	0.41669	11.0516	14189.17
2.33827	0.41686	11.05465	14197.243
2.33877	0.41706	11.05771	14205.227
2.33924	0.4172	11.06117	14213.149
2.33969	0.41742	11.06474	14221.149
2.34013	0.41758	11.06842	14229.408
2.34057	0.41782	11.0722	14237.899
2.34099	0.41799	11.07605	14246.554
2.34141	0.41816	11.07994	14255.31
2.34182	0.41834	11.0838	14263.941
2.34221	0.41843	11.08753	14272.242
2.34259	0.41866	11.09118	14280.359
2.34296	0.41882	11.09479	14288.39
2.34332	0.41906	11.09844	14296.51
2.34369	0.41924	11.10215	14304.895
2.34406	0.41945	11.10538	14313.142
2.34442	0.41967	11.10887	14321.223
2.34476	0.41984	11.1124	14328.939
2.34509	0.42011	11.11587	14336.537
2.34543	0.42029	11.11947	14344.429
2.34575	0.42056	11.12321	14352.78
2.34608	0.42077	11.12705	14361.438
2.34641	0.42103	11.13094	14370.191
2.34674	0.42126	11.13476	14378.733
2.34706	0.42149	11.13843	14386.853
2.34737	0.42177	11.142	14394.641
2.34768	0.42194	11.14553	14402.363
2.34799	0.42223	11.14872	14410.369
2.34831	0.42243	11.15156	14418.744
2.34863	0.42267	11.1543	14427.357
2.34895	0.42292	11.15709	14436.141
2.34928	0.42312	11.15991	14444.998
2.34959	0.4235	11.16267	14453.543
2.3499	0.42376	11.16586	14461.993
2.35021	0.42417	11.16913	14470.439
2.35052	0.42448	11.17242	14478.98
2.35083	0.42487	11.17589	14487.484
2.35114	0.42519	11.17964	14495.833
2.35145	0.42553	11.18333	14504.053
2.35176	0.42591	11.18699	14512.192
2.35207	0.42619	11.19065	14520.318
2.35238	0.42659	11.1944	14528.652
2.3527	0.42689	11.19801	14537.273
2.35301	0.42726	11.20126	14545.857
2.35331	0.42757	11.20445	14554.157

12:50:25.196	-7	0.0003	0.00029	0.00363	8.279	0.0008
12:50:26.196	-7	0.0003	0.00039	0.00373	8.304	0.000802
12:50:27.196	-7	0.0003	0.00027	0.00376	8.387	0.00081
12:50:28.196	-7	0.00029	0.00038	0.00364	8.082	0.000781
12:50:29.196	-7	0.00028	0.00026	0.00357	7.837	0.000757
12:50:30.196	-7	0.00028	0.00035	0.00361	7.933	0.000767
12:50:31.196	-7	0.00028	0.00029	0.00363	7.997	0.000773
12:50:32.196	-7	0.00028	0.0003	0.00365	8.059	0.000779
12:50:33.196	-7	0.00028	0.00038	0.00369	8.175	0.00079
12:50:34.196	-7	0.00028	0.00031	0.00353	8.389	0.00081
12:50:35.196	-7	0.00027	0.00037	0.00324	8.127	0.000785
12:50:36.196	-7	0.00027	0.00026	0.00362	7.969	0.00077
12:50:37.196	-7	0.00026	0.00032	0.00364	8.016	0.000774
12:50:38.196	-7	0.00026	0.00029	0.00367	8.107	0.000783
12:50:39.196	-7	0.00026	0.00024	0.00356	7.831	0.000757
12:50:40.196	-7	0.00023	0.00032	0.00363	7.484	0.000723
12:50:41.196	-7	0.0002	0.00024	0.00386	7.228	0.000699
12:50:42.196	-7	0.00019	0.00032	0.00377	6.998	0.000676
12:50:43.196	-7	0.00018	0.00023	0.00362	6.626	0.00064
12:50:44.196	-7	0.00017	0.0003	0.00386	6.434	0.000622
12:50:45.196	-7	0.00016	0.00025	0.00418	6.835	0.000661
12:50:46.196	-7	0.00013	0.0003	0.00408	7.661	0.00074
12:50:47.196	-7	0.00012	0.00032	0.00344	7.535	0.000728
12:50:48.196	-7	0.00012	0.00028	0.00348	7.607	0.000735
12:50:49.196	-7	0.00013	0.00035	0.00357	7.822	0.000756
12:50:50.196	-7	0.00013	0.00023	0.00356	7.771	0.000751
12:50:51.196	-7	0.00012	0.00032	0.00342	7.343	0.00071
12:50:52.196	-7	0.00012	0.00027	0.00335	7.075	0.000684
12:50:53.196	-7	0.00012	0.00024	0.00333	7.123	0.000688
12:50:54.196	-7	0.00012	0.00026	0.00332	7.234	0.000699
12:50:55.196	-7	0.00012	0.00014	0.0034	7.451	0.00072
12:50:56.196	-7	0.00012	0.00015	0.0034	7.39	0.000714
12:50:57.196	-7	0.00011	0.00003	0.00358	7.182	0.000694
12:50:58.196	-7	0.00011	0.00018	0.00387	7.282	0.000704
12:50:59.196	-7	0.0001	0.00016	0.00381	7.483	0.000723
12:51:00.196	-7	0.00011	0.00018	0.00344	7.61	0.000735
12:51:01.196	-7	0.00011	0.00018	0.00345	7.593	0.000734
12:51:02.196	-7	0.0001	0.00015	0.00335	7.257	0.000701
12:51:03.196	-7	0.0001	0.00024	0.00353	7.007	0.000677
12:51:04.196	-7	0.0001	0.00015	0.00351	6.763	0.000654
12:51:05.196	-7	0.00009	0.00024	0.00326	6.599	0.000638
12:51:06.196	-7	0.0001	0.00018	0.00369	6.964	0.000673
12:51:07.196	-7	0.0001	0.00021	0.00288	6.89	0.000666
12:51:08.196	-7	0.00009	0.00021	0.00301	6.716	0.000649
12:51:09.196	-7	0.00008	0.00016	0.00326	6.901	0.000667
12:51:10.196	-7	0.00008	0.00024	0.00329	6.976	0.000674
12:51:11.196	-7	0.00008	0.00018	0.00318	6.922	0.000669

69.2	3.20E+00	2.800	1.300	2.198	1.020	10.200
69.3	3.10E+00	2.700	1.300	2.119	1.020	13.500
69.3	3.10E+00	2.700	1.300	2.119	1.020	9.300
69.3	3.10E+00	2.700	1.300	2.120	1.021	13.700
69.3	3.10E+00	2.700	1.300	2.121	1.021	9.600
69.3	3.10E+00	2.600	1.300	2.053	1.021	12.700
69.3	3.10E+00	2.600	1.300	2.042	1.021	10.500
69.3	3.10E+00	2.600	1.300	2.041	1.021	10.900
69.3	3.00E+00	2.500	1.300	1.962	1.020	13.300
69.3	3.00E+00	2.500	1.300	1.960	1.019	11.000
69.3	2.90E+00	2.400	1.300	1.893	1.020	13.300
69.3	2.90E+00	2.400	1.300	1.885	1.021	9.300
69.3	2.80E+00	2.300	1.300	1.806	1.021	11.400
69.3	2.80E+00	2.300	1.300	1.806	1.021	10.200
69.3	2.80E+00	2.300	1.300	1.806	1.021	8.900
69.2	2.60E+00	2.000	1.300	1.593	1.022	12.300
69.2	2.40E+00	1.700	1.300	1.347	1.023	9.500
69.3	2.30E+00	1.600	1.300	1.272	1.023	12.500
69.3	2.30E+00	1.600	1.300	1.261	1.025	9.600
69.3	2.10E+00	1.400	1.300	1.115	1.025	12.700
69.3	1.90E+00	1.200	1.200	0.959	0.945	10.200
69.3	1.50E+00	0.700	1.200	0.568	0.941	11.300
69.3	1.40E+00	0.600	1.200	0.471	0.942	12.000
69.3	1.40E+00	0.600	1.200	0.471	0.943	10.700
69.3	1.40E+00	0.600	1.200	0.471	0.942	12.700
69.2	1.40E+00	0.600	1.200	0.471	0.943	8.600
69.2	1.40E+00	0.600	1.200	0.472	0.944	12.200
69.2	1.40E+00	0.600	1.200	0.473	0.945	10.500
69.2	1.40E+00	0.600	1.200	0.472	0.944	9.600
69.2	1.40E+00	0.600	1.200	0.471	0.942	10.200
69.2	1.40E+00	0.600	1.200	0.471	0.942	5.500
69.2	1.30E+00	0.500	1.200	0.399	0.943	5.600
69.2	1.30E+00	0.500	1.200	0.393	0.944	1.300
69.3	1.30E+00	0.400	1.200	0.325	0.943	7.100
69.3	1.20E+00	0.400	1.100	0.314	0.863	6.300
69.3	1.30E+00	0.400	1.200	0.314	0.941	6.800
69.3	1.30E+00	0.400	1.200	0.314	0.942	6.900
69.2	1.20E+00	0.300	1.200	0.245	0.943	5.800
69.2	1.20E+00	0.300	1.200	0.236	0.944	9.600
69.2	1.20E+00	0.300	1.200	0.236	0.945	6.200
69.2	1.20E+00	0.300	1.200	0.237	0.946	9.900
69.3	1.20E+00	0.300	1.200	0.236	0.944	7.300
69.3	1.20E+00	0.300	1.200	0.236	0.943	8.700
69.3	1.10E+00	0.200	1.200	0.157	0.944	8.500
69.3	1.00E+00	0.200	1.100	0.157	0.866	6.400
69.3	1.00E+00	0.100	1.100	0.089	0.866	9.700
69.3	9.00E-01	0.100	1.100	0.079	0.866	7.200

2199	68.31	66.6	385.7	463.363832
2198	68.31	67.1	385.7	462.046467
2197	68.31	66.8	384.144	461.513536
2198	68.31	64.8	384.1	461.260531
2198	68.31	64.4	384.1	461.007527
2197	68.31	65.4	384.1	460.745338
2195	68.31	65.7	383.735172	460.47636
2195	68.31	65.2	383.3	460.207382
2192	68.31	66.4	383.3	460
2196	68.31	65.2	383.3	460
2199	68.31	66.6	383.3	460
2200	68.31	65.3	383.3	460
2194	68.31	66.2	383.3	460
2195	68.31	65.3	383.3	460
2196	68.31	64.2	382.708818	460
2197	68.31	62.5	382.6	457.024272
2196	68.31	61.7	382.6	453.247968
2195	68.31	61.5	382.6	449.471663
2200	68.31	60.9	382.6	446.143155
2198	68.31	61.3	382.381595	443.7706
2195	68.31	64.5	381.8	441.398044
2197	68.31	63.4	381.8	439.708198
2196	68.31	60	381.8	440.749187
2196	68.31	65	381.8	441.790176
2194	68.31	63.9	381.8	442.7
2197	68.31	63.6	381.8	442.7
2197	68.31	62	381.8	442.7
2197	68.31	63.4	381.8	442.7
2196	68.31	63.1	381.8	443.391868
2195	68.31	63.3	381.22976	444.440152
2195	68.584	62.9	381	445.488437
2196	68.72	61.6	381	445.210324
2196	68.31	61.1	380.726887	443.667989
2195	68.31	61.6	380.3	442.125653
2196	68.31	63.7	380.3	441.820697
2195	68.31	62.1	379.87026	443.972033
2196	68.31	61.4	379.5	446.123368
2196	68.31	61.2	378.285055	444.86392
2196	68.31	61.4	377.9	441.677567
2197	68.31	60.7	377.482642	438.491213
2197	68.31	62.2	377.2	436.721637
2198	68.31	63	376.770216	436.1984
2199	68.31	59.9	376.4	435.675162
2198	68.31	59.5	376.4	435.169171
2196	68.31	62.3	376.258936	434.706877
2194	68.31	61.7	375.623511	434.244582
2196	68.761	60.3	375.6	433.782288

2.35361	0.42786	11.20808	14562.436
2.35391	0.42825	11.21181	14570.74
2.35421	0.42852	11.21557	14579.127
2.3545	0.4289	11.21921	14587.209
2.35478	0.42916	11.22278	14595.046
2.35506	0.42951	11.22639	14602.979
2.35534	0.4298	11.23002	14610.976
2.35562	0.4301	11.23367	14619.035
2.3559	0.43048	11.23736	14627.21
2.35618	0.43079	11.24089	14635.599
2.35645	0.43116	11.24413	14643.726
2.35672	0.43142	11.24775	14651.695
2.35698	0.43174	11.25139	14659.711
2.35724	0.43203	11.25506	14667.818
2.3575	0.43227	11.25862	14675.649
2.35773	0.43259	11.26225	14683.133
2.35793	0.43283	11.26611	14690.361
2.35812	0.43315	11.26988	14697.359
2.3583	0.43338	11.2735	14703.985
2.35847	0.43368	11.27736	14710.419
2.35863	0.43393	11.28154	14717.254
2.35876	0.43423	11.28562	14724.915
2.35888	0.43455	11.28906	14732.45
2.359	0.43483	11.29254	14740.057
2.35913	0.43518	11.29611	14747.879
2.35926	0.43541	11.29967	14755.65
2.35938	0.43573	11.30309	14762.993
2.3595	0.436	11.30644	14770.068
2.35962	0.43624	11.30977	14777.191
2.35974	0.4365	11.31309	14784.425
2.35986	0.43664	11.31649	14791.876
2.35998	0.43679	11.31989	14799.266
2.36009	0.43682	11.32347	14806.448
2.3602	0.437	11.32734	14813.73
2.3603	0.43716	11.33115	14821.213
2.36041	0.43734	11.33459	14828.823
2.36052	0.43752	11.33804	14836.416
2.36062	0.43767	11.34139	14843.673
2.36072	0.43791	11.34492	14850.68
2.36082	0.43806	11.34843	14857.443
2.36091	0.4383	11.35169	14864.042
2.36101	0.43848	11.35538	14871.006
2.36111	0.43869	11.35826	14877.896
2.3612	0.4389	11.36127	14884.612
2.36128	0.43906	11.36453	14891.513
2.36136	0.4393	11.36782	14898.489
2.36144	0.43948	11.371	14905.411

12:51:12.196	-7	0.00008	0.00022	0.00272	6.683	0.000646
12:51:13.196	-7	0.00007	0.0002	0.00262	6.422	0.000621
12:51:14.196	-7	0.00007	0.00018	0.0025	6.146	0.000594
12:51:15.196	-7	0.00006	0.00023	0.00248	6.075	0.000587
12:51:16.196	-7	0.00006	0.0002	0.00258	5.879	0.000568
12:51:17.196	-7	0.00006	0.00025	0.00283	5.84	0.000564
12:51:18.196	-7	0.00006	0.00019	0.0028	5.813	0.000562
12:51:19.196	-7	0.00006	0.00025	0.00274	5.651	0.000546
12:51:20.196	-7	0.00006	0.00018	0.00262	5.385	0.00052
12:51:21.196	-7	0.00006	0.00021	0.00266	5.631	0.000544
12:51:22.196	-7	0.00006	0.00031	0.00264	6.428	0.000621
12:51:23.196	-7	0.0001	0.00032	0.00258	7.245	0.000701
12:51:24.196	-7	0.00012	0.00054	0.00001	5.197	0.000503
12:51:25.196	-7	0.00006	0.00018	0.00074	1.353	0.000131
12:51:26.196	-7	0.00004	0.0002	0.00196	0.926	0.00009
12:51:27.196	-7	0.00004	0.00019	0.00485	2.01	0.000195
12:51:28.196	-7	0.00005	0.00023	0.00656	4.842	0.000469
12:51:29.196	-7	0.00005	0.00023	0.00448	5.55	0.000537
12:51:30.196	-7	0.00005	0.00022	0.00274	5.582	0.00054
12:51:31.196	-7	0.00005	0.00027	0.00269	5.474	0.000529
12:51:32.196	-7	0.00005	0.0002	0.00137	4.629	0.000448
12:51:33.196	-7	0.00005	0.00025	0.00032	2.528	0.000245
12:51:34.196	-7	0.00004	0.00017	0.00044	0.952	0.000092
12:51:35.196	-7	0.00004	0.00016	0.00157	0.634	0.000062
12:51:36.196	-7	0.00003	0.00018	0.00323	1.087	0.000106
12:51:37.196	-7	0.00003	0.00014	0.00297	1.615	0.000157
12:51:38.196	-7	0.00003	0.00018	0.00251	1.852	0.00018
12:51:39.196	-7	0.00004	0.00016	0.00231	1.845	0.000179
12:51:40.196	-7	0.00004	0.00021	0.00238	2.078	0.000201
12:51:41.196	-7	0.00004	0.0002	0.00193	1.833	0.000178
12:51:42.196	-7	0.00004	0.00018	0.0003	1.069	0.000104
12:51:43.196	-7	0.00004	0.00017	0.001	0.508	0.000049
12:51:44.196	-7	0.00004	0.0001	0.00166	0.274	0.000027
12:51:45.196	-7	0.00003	0.00015	0.00204	0.194	0.000019
12:51:46.196	-7	0.00003	0.00009	0.00168	0.155	0.000018
12:51:47.196	-7	0.00003	0.00013	0.00097	0.129	0.000017
12:51:48.196	-7	0.00003	0.00009	0.00094	0.114	0.000017
12:51:49.196	-7	0.00003	0.00011	0.00091	0.104	0.000016
12:51:50.196	-7	0.00003	0.0001	0.00099	0.092	0.000015
12:51:51.196	-7	0.00002	0.00011	0.00097	0.082	0.000014
12:51:52.196	-7	0.00002	0.00013	0.00091	0.077	0.000013
12:51:53.196	-7	0.00002	0.00007	0.00088	0.068	0.000012
12:51:54.196	-7	0.00002	0.0001	0.00096	0.088	0.000014
12:51:55.196	-7	0.00002	0.00007	0.00143	0.37	0.000036
12:51:56.196	-7	0.00002	0.0001	0.00248	0.825	0.00008
12:51:57.196	-7	0.00002	0.00011	0.00249	1.187	0.000115
12:51:58.196	-7	0.00002	0.00011	0.00184	1.302	0.000126

69.3	9.00E-01	0.100	1.100	0.079	0.866	9.000
69.3	1.00E+00	0.000	1.200	0.009	0.945	8.400
69.3	9.00E-01	0.000	1.200	0.000	0.945	8.300
69.3	9.00E-01	0.000	1.100	0.000	0.866	10.600
69.4	9.00E-01	0.000	1.100	0.000	0.868	9.400
69.4	9.00E-01	0.000	1.100	0.000	0.867	11.500
69.4	9.00E-01	0.000	1.100	0.000	0.867	9.000
69.4	9.00E-01	0.000	1.100	0.000	0.868	11.700
69.4	9.00E-01	0.000	1.100	0.000	0.868	9.200
69.4	9.00E-01	-0.100	1.100	0.000	0.866	10.200
69.2	9.00E-01	-0.400	1.100	0.000	0.864	13.700
69.2	9.00E-01	-0.400	1.100	0.000	0.881	9.900
68.9	9.00E-01	-0.400	1.100	0.000	0.907	13.100
68.8	8.00E-01	-0.400	1.000	0.000	0.850	8.100
65.7	7.00E-01	-0.400	0.800	0.000	0.682	11.100
65.7	7.00E-01	-0.500	0.800	0.000	0.663	9.600
64.7	6.00E-01	-0.500	0.800	0.000	0.640	10.700
64.7	7.00E-01	-0.500	0.900	0.000	0.712	11.000
64.8	8.00E-01	-0.500	1.000	0.000	0.780	10.700
64.8	8.00E-01	-0.500	1.000	0.000	0.790	13.300
64.8	8.00E-01	-0.500	1.000	0.000	0.798	10.000
64.8	8.00E-01	-0.600	1.000	0.000	0.818	14.600
64.3	8.00E-01	-0.600	1.000	0.000	0.840	10.800
64.2	8.00E-01	-0.600	1.000	0.000	0.844	11.100
62.7	8.00E-01	-0.700	0.900	0.000	0.763	13.100
62.7	7.00E-01	-0.700	0.900	0.000	0.743	10.400
61.6	7.00E-01	-0.700	0.900	0.000	0.739	13.700
61.6	8.00E-01	-0.700	1.000	0.000	0.810	12.000
60.8	8.00E-01	-0.700	1.000	0.000	0.819	15.000
60.8	8.00E-01	-0.700	0.900	0.000	0.752	13.400
60	8.00E-01	-0.700	0.900	0.000	0.754	12.200
59.9	8.00E-01	-0.700	0.900	0.000	0.762	11.800
58.2	8.00E-01	-0.700	0.900	0.000	0.765	7.100
58.1	8.00E-01	-0.700	0.900	0.000	0.765	11.100
55.7	8.00E-01	-0.700	0.900	0.000	0.765	7.000
55.6	8.00E-01	-0.700	0.900	0.000	0.765	10.500
52.9	8.00E-01	-0.700	0.900	0.000	0.765	7.900
52.8	8.00E-01	-0.700	0.900	0.000	0.765	9.400
50.7	8.00E-01	-0.700	0.900	0.000	0.765	9.400
50.7	8.00E-01	-0.700	0.900	0.000	0.765	11.200
48.1	8.00E-01	-0.700	0.900	0.000	0.765	14.100
48.1	8.00E-01	-0.700	0.900	0.000	0.765	8.500
46.1	8.00E-01	-0.700	0.900	0.000	0.765	10.700
46.1	8.00E-01	-0.700	0.900	0.000	0.762	7.900
44.7	8.00E-01	-0.700	0.900	0.000	0.751	10.200
44.7	7.00E-01	-0.700	0.900	0.000	0.741	12.400
43.5	7.00E-01	-0.700	0.900	0.000	0.738	12.400

2196	68.587	60.7	375.6	432.156338
2198	68.31	59.4	375.6	430.278404
2201	68.31	56.2	375.6	428.400469
2201	68.31	52.9	375.1289	426.1625
2202	68.51	52.1	374.471679	423.710347
2203	68.93	53.8	374.1	421.258194
2203	68.848	53.2	374.1	419.08815
2197	68.318	50.1	373.947652	417.632848
2202	68.31	54	373.3	416.177547
2196	68.31	53.8	373.3	414.722245
2197	68.31	57	371.808826	396.83878
2433	67.535	28.6	371.6	377.448802
2565	65.922	5.3	371.6	358.058824
2277	64.898	8.3	371.6	343.452933
2022	64.359	40.2	370.737403	330.868199
2051	63.96	71.9	370	318.283466
2057	63.96	67.9	369.772661	315.629618
2057	63.96	63.9	369.3	335.08
2057	63.96	63.9	369.3	354.530382
2060	63.96	63.9	369.232669	372.668923
2052	63.96	18.2	368.389103	354.638154
2025	62.995	2.3	367.748077	336.607385
1999	62.294	5.7	367.027884	318.576615
1979	61.749	29.9	365.178656	310.544118
1964	61.205	41.5	364.108163	305.25
1950	60.651	40.9	363.45843	299.955882
1936	60.24	42.3	363.1	295.100923
1926	60.24	44.3	362.687302	290.947476
1916	59.678	43.5	361.458599	286.794029
1889	58.6	5.2	360.821656	282.640583
1863	57.977	0.1	358.692364	272.335893
1817	56.614	0	357.843853	261.481745
1779	55.526	0	357.113787	250.627598
1743	54.421	0	356.343647	243.156359
1700	52.801	0	355.288486	237.313927
1657	51.394	0	353.988665	231.471496
1625	50.765	0	352.560579	226.285055
1604	49.78	0	351.360703	222.736295
1556	48.149	0	350.721725	219.187536
1516	46.918	0	349.381529	215.638777
1486	45.888	0	348.648774	214.206121
1456	45.007	12	346.797778	213.237976
1432	44.373	32.1	345.809747	212.269831
1425	43.846	40.7	345.175681	216.427708
1404	43.266	37.7	344.321136	223.754097
1368	42.49	25.9	343.397585	231.080486
1355	41.868	30.6	342.595206	232.840605

2.36152	0.4397	11.37372	14912.094
2.36159	0.4399	11.37634	14918.516
2.36166	0.44008	11.37884	14924.662
2.36172	0.44031	11.38132	14930.737
2.36178	0.44051	11.3839	14936.616
2.36184	0.44076	11.38673	14942.456
2.3619	0.44095	11.38953	14948.269
2.36196	0.4412	11.39227	14953.92
2.36202	0.44138	11.39489	14959.305
2.36208	0.44159	11.39755	14964.936
2.36214	0.4419	11.40019	14971.364
2.36224	0.44222	11.40277	14978.609
2.36236	0.44276	11.40278	14983.806
2.36242	0.44294	11.40352	14985.159
2.36246	0.44314	11.40548	14986.085
2.3625	0.44333	11.41033	14988.095
2.36255	0.44356	11.41689	14992.937
2.3626	0.44379	11.42137	14998.487
2.36265	0.44401	11.42411	15004.069
2.3627	0.44428	11.4268	15009.543
2.36275	0.44448	11.42817	15014.172
2.3628	0.44473	11.42849	15016.7
2.36284	0.4449	11.42893	15017.652
2.36288	0.44506	11.4305	15018.286
2.36291	0.44524	11.43373	15019.373
2.36294	0.44538	11.4367	15020.988
2.36297	0.44556	11.43921	15022.84
2.36301	0.44572	11.44152	15024.685
2.36305	0.44593	11.4439	15026.763
2.36309	0.44613	11.44583	15028.596
2.36313	0.44631	11.44613	15029.665
2.36317	0.44648	11.44713	15030.173
2.36321	0.44658	11.44879	15030.447
2.36324	0.44673	11.45083	15030.641
2.36327	0.44682	11.45251	15030.796
2.3633	0.44695	11.45348	15030.925
2.36333	0.44704	11.45442	15031.039
2.36336	0.44715	11.45533	15031.143
2.36339	0.44725	11.45632	15031.235
2.36341	0.44736	11.45729	15031.317
2.36343	0.44749	11.4582	15031.394
2.36345	0.44756	11.45908	15031.462
2.36347	0.44766	11.46004	15031.55
2.36349	0.44773	11.46147	15031.92
2.36351	0.44783	11.46395	15032.745
2.36353	0.44794	11.46644	15033.932
2.36355	0.44805	11.46828	15035.234

12:51:59.196	-7	0.00002	0.00012	0.0014	1.085	0.000105
12:52:00.196	-7	0.00002	0.00008	0.00152	0.938	0.000091
12:52:01.196	-7	0.00002	0.00009	0.00141	0.888	0.000086
12:52:02.196	-7	0.00001	0.00006	0.00124	0.762	0.000074
12:52:03.196	-7	0.00001	0.00006	0.00093	0.505	0.000049
12:52:04.196	-7	0.00001	0.00005	0.00066	0.277	0.000027
12:52:05.196	-7	0.00002	0.00004	0.00069	0.226	0.000022
12:52:06.196	-7	0.00002	0.00007	0.00087	0.18	0.000018
12:52:07.196	-7	0.00002	0.00004	0.00096	0.279	0.000027
12:52:08.196	-7	0.00002	0.00007	0.00157	0.448	0.000044
12:52:09.196	-7	0.00002	0.00006	0.00125	0.498	0.000048
12:52:10.196	-7	0.00002	0.00006	0.00052	0.285	0.000028
12:52:11.196	-7	0.00002	0.00005	0.00055	0.222	0.000022
12:52:12.196	-7	0.00002	0.00003	0.00147	0.363	0.000035
12:52:13.196	-7	0.00002	0.00004	0.00121	0.382	0.000037
12:52:14.196	-7	0.00002	0.00002	0.00063	0.268	0.000026
12:52:15.196	-7	0.00002	0.00004	0.00063	0.179	0.000017
12:52:16.196	-7	0.00002	0.00003	0.00096	0.199	0.000019
12:52:17.196	-7	0.00002	0.00004	0.0012	0.292	0.000028
12:52:18.196	-7	0.00002	0.00004	0.00123	0.412	0.00004
12:52:19.196	-7	0.00002	0.00003	0.00145	0.533	0.000052
12:52:20.196	-7	0.00002	0.00005	0.00125	0.682	0.000066
12:52:21.196	-7	0.00002	0.00002	0.00139	0.874	0.000085
12:52:22.196	-7	0.00002	0.00004	0.00155	1.017	0.000099
12:52:23.196	-7	0.00002	0.00003	0.00135	1.064	0.000103
12:52:24.196	-7	0.00002	0.00005	0.00125	1.089	0.000105
12:52:25.196	-7	0.00002	0.00004	0.00115	1.101	0.000107
12:52:26.196	-7	0.00002	0.00003	0.00112	1.099	0.000106
12:52:27.196	-7	0.00002	0.00006	0.00111	1.089	0.000105
12:52:28.196	-7	0.00002	0.00002	0.00115	1.09	0.000106
12:52:29.196	-7	0.00002	0.00006	0.00121	1.112	0.000108
12:52:30.196	-7	0.00002	0.00004	0.00111	1.116	0.000108
12:52:31.196	-7	0.00002	0.00005	0.00112	1.119	0.000108
12:52:32.196	-7	0.00002	0.00004	0.00112	1.119	0.000108
12:52:33.196	-7	0.00002	0.00003	0.00112	1.121	0.000109
12:52:34.196	-7	0.00002	0.00005	0.00119	1.198	0.000116
12:52:35.196	-7	0.00002	0.00004	0.00125	1.265	0.000123
12:52:36.196	-7	0.00002	0.00006	0.00121	1.247	0.000121
12:52:37.196	-7	0.00002	0.00004	0.00129	1.271	0.000123
12:52:38.196	-7	0.00002	0.00004	0.00112	1.279	0.000124
12:52:39.196	-7	0.00002	0.00004	0.00106	1.19	0.000115
12:52:40.196	-7	0.00002	0.00003	0.00115	1.069	0.000104
12:52:41.196	-7	0.00002	0.00004	0.00126	1.029	0.0001
12:52:42.196	-7	0.00002	0.00001	0.00138	1.057	0.000102
12:52:43.196	-7	0.00002	0.00004	0.00137	1.1	0.000107
12:52:44.196	-7	0.00002	0.00003	0.00128	1.128	0.000109
12:52:45.196	-7	0.00002	0.00006	0.00117	1.133	0.00011

43.5	7.00E-01	-0.700	0.900	0.000	0.743	14.300
42.1	7.00E-01	-0.800	0.800	0.000	0.673	10.000
42.1	7.00E-01	-0.900	0.800	0.000	0.661	13.100
40.7	7.00E-01	-0.900	0.800	0.000	0.663	9.200
40.7	7.00E-01	-0.900	0.800	0.000	0.669	10.200
39.1	7.00E-01	-1.000	0.800	0.000	0.676	8.500
39.1	7.00E-01	-1.000	0.800	0.000	0.679	4.900
37.2	7.00E-01	-1.200	0.800	0.000	0.680	8.500
37.1	7.00E-01	-1.200	0.800	0.000	0.677	6.000
35.2	7.00E-01	-1.200	0.800	0.000	0.672	9.800
35.1	7.00E-01	-1.200	0.800	0.000	0.672	7.800
32.3	7.00E-01	-1.200	0.800	0.000	0.677	8.600
32.2	7.00E-01	-1.200	0.800	0.000	0.678	6.900
30.2	7.00E-01	-1.200	0.800	0.000	0.675	4.500
30.1	8.00E-01	-1.200	0.900	0.000	0.758	5.200
24.9	8.00E-01	-1.200	0.900	0.000	0.761	2.400
24.6	8.00E-01	-1.200	0.900	0.000	0.764	6.400
15	8.00E-01	-1.200	0.900	0.000	0.762	4.400
14.8	8.00E-01	-1.200	0.900	0.000	0.759	7.000
7.4	8.00E-01	-1.100	0.900	0.000	0.755	7.300
7.3	8.00E-01	-1.100	0.900	0.000	0.751	5.400
0	7.00E-01	-1.100	0.900	0.000	0.746	7.900
0	7.00E-01	-1.100	0.900	0.000	0.740	3.400
0	8.00E-01	-1.100	1.000	0.000	0.817	6.800
0	8.00E-01	-1.000	1.000	0.000	0.815	4.400
0	8.00E-01	-1.000	1.000	0.000	0.814	7.200
0	8.00E-01	-1.000	1.000	0.000	0.814	6.900
0	8.00E-01	-1.000	1.000	0.000	0.814	5.100
0	8.00E-01	-1.000	1.000	0.000	0.814	8.800
0	8.00E-01	-1.000	1.000	0.000	0.814	3.400
0	8.00E-01	-1.000	1.000	0.000	0.813	8.700
0	8.00E-01	-1.000	1.000	0.000	0.813	6.000
0	8.00E-01	-1.000	1.000	0.000	0.813	7.200
0	8.00E-01	-1.000	1.000	0.000	0.813	5.500
0	8.00E-01	-1.000	1.000	0.000	0.813	4.400
0	8.00E-01	-1.000	1.000	0.000	0.813	8.000
0	8.00E-01	-1.000	1.000	0.000	0.813	4.900
0	8.00E-01	-1.000	1.000	0.000	0.812	8.500
0.1	8.00E-01	-1.000	1.000	0.000	0.810	5.200
3	8.00E-01	-1.100	1.000	0.000	0.809	6.200
3	8.00E-01	-1.100	1.000	0.000	0.811	5.700
3.2	8.00E-01	-1.100	1.000	0.000	0.814	5.100
3.1	8.00E-01	-1.100	1.000	0.000	0.816	5.600
1.4	8.00E-01	-1.100	1.000	0.000	0.815	2.300
1.4	8.00E-01	-1.100	1.000	0.000	0.814	7.000
0	8.00E-01	-1.100	1.000	0.000	0.812	5.300
0	8.00E-01	-1.100	1.000	0.000	0.812	9.200

1328	41.292	33.5	340.959649	232.624622
1304	40.723	16.2	339.89816	232.408639
1280	39.962	0	339.256084	229.986276
1247	38.864	0	338.59563	225.330895
1206	37.789	0	337.731719	220.675514
1194	37.185	3.4	336.39146	216.680098
1433	36.116	26.8	335.037907	215.516595
1409	34.994	25.6	333.837221	214.353092
1343	33.767	2.8	333.0248	213.18959
1282	32.325	0	333	211.156258
1247	31.033	11.2	332.019777	209.050361
1203	29.841	8.6	331.156548	206.944465
1269	28.419	0	330.025456	204.667527
1358	26.037	0	328.621107	202.276086
1249	21.793	2.8	327.588011	199.884644
1111	17.146	10.1	326.902372	198.573345
982	12.265	18.3	326.292966	198.747561
988	8.824	15.4	325.561349	198.921777
810	4.898	38.5	323.586	199.095993
794	1.803	43.5	322.949636	203.179332
787	0.279	43.2	321.798008	207.354697
780	0	41.9	321.4	211.530063
780	0	41.6	320.9324	215.290593
779	0	41.4	319.687879	218.801159
778	0	41.2	318.055696	222.311725
780	0	41.4	317.135455	224.823939
781	0	41.9	316.106549	226.887618
779	0	42.2	315.4	228.951297
778	0	42.1	315.183636	230.680636
780	0	42.7	314.39257	231.622366
780	0	42	313.065545	232.564097
779	0	42.7	311.116918	233.505827
780	0	42.8	310.401274	234.157003
781	0	42.8	309.694342	234.775896
779	0	43.1	308.991091	235.394788
852	0	50.3	308.267273	236.419349
911	1.024	49.1	306.431269	237.526999
848	2.346	39	305.218537	238.634649
780	2.927	36.2	304.5133	238.16454
771	3.11	35.2	303.32749	237.595508
789	2.452	40.1	302.533333	237.026475
790	1.346	44.1	301.482585	236.908762
781	0.434	43.7	300.196392	237.089431
781	0	42.2	298.930624	237.270099
777	0	42.8	297.893631	237.450253
780	0	42.8	297.274302	237.629091
781	0	43.5	296.715642	237.807928

2.36357	0.44817	11.46968	15036.319
2.36359	0.44825	11.4712	15037.257
2.36361	0.44834	11.47261	15038.145
2.36362	0.4484	11.47385	15038.907
2.36363	0.44846	11.47478	15039.412
2.36364	0.44851	11.47544	15039.689
2.36366	0.44855	11.47613	15039.915
2.36368	0.44862	11.477	15040.095
2.3637	0.44866	11.47796	15040.374
2.36372	0.44873	11.47953	15040.822
2.36374	0.44879	11.48078	15041.32
2.36376	0.44885	11.4813	15041.605
2.36378	0.4489	11.48185	15041.827
2.3638	0.44893	11.48332	15042.19
2.36382	0.44897	11.48453	15042.572
2.36384	0.44899	11.48516	15042.84
2.36386	0.44903	11.48579	15043.019
2.36388	0.44906	11.48675	15043.218
2.3639	0.4491	11.48795	15043.51
2.36392	0.44914	11.48918	15043.922
2.36394	0.44917	11.49063	15044.455
2.36396	0.44922	11.49188	15045.137
2.36398	0.44924	11.49327	15046.011
2.364	0.44928	11.49482	15047.028
2.36402	0.44931	11.49617	15048.092
2.36404	0.44936	11.49742	15049.181
2.36406	0.4494	11.49857	15050.282
2.36408	0.44943	11.49969	15051.381
2.3641	0.44949	11.5008	15052.47
2.36412	0.44951	11.50195	15053.56
2.36414	0.44957	11.50316	15054.672
2.36416	0.44961	11.50427	15055.788
2.36418	0.44966	11.50539	15056.907
2.3642	0.4497	11.50651	15058.026
2.36422	0.44973	11.50763	15059.147
2.36424	0.44978	11.50882	15060.345
2.36426	0.44982	11.51007	15061.61
2.36428	0.44988	11.51128	15062.857
2.3643	0.44992	11.51257	15064.128
2.36432	0.44996	11.51369	15065.407
2.36434	0.45	11.51475	15066.597
2.36436	0.45003	11.5159	15067.666
2.36438	0.45007	11.51716	15068.695
2.3644	0.45008	11.51854	15069.752
2.36442	0.45012	11.51991	15070.852
2.36444	0.45015	11.52119	15071.98
2.36446	0.45021	11.52236	15073.113

12:52:46.196	-7	0.00003	0.0001	0.00196	2.014	0.000195
12:52:47.196	-7	0.00005	0.00015	0.00336	3.74	0.000362
12:52:48.196	-7	0.00007	0.00034	0.00801	8.098	0.000783
12:52:49.196	-7	0.00009	0.00026	0.00501	9.172	0.000886
12:52:50.196	-7	0.00016	0.00073	0.00767	16.317	0.001576
12:52:51.196	-7	0.00045	0.00057	0.01054	22.206	0.002144
12:52:52.196	-7	0.00175	0.00059	0.0094	17.227	0.001664
12:52:53.196	-7	0.0028	0.00047	0.01063	18.273	0.001765
12:52:54.196	-7	0.00275	0.00046	0.00705	16.586	0.001602
12:52:55.196	-7	0.00231	0.0005	0.00588	13.684	0.001322
12:52:56.196	-7	0.00157	0.00025	0.0046	10.013	0.000967
12:52:57.196	-7	0.00093	0.00032	0.00439	7.296	0.000705
12:52:58.196	-7	0.00044	0.00014	0.00341	4.769	0.000461
12:52:59.196	-7	0.00021	0.00012	0.0019	2.853	0.000276
12:53:00.196	-7	0.00013	0.0001	0.00059	2.104	0.000203
12:53:01.196	-7	0.00008	0.00012	0.0004	1.425	0.000138
12:53:02.196	-7	0.00006	0.00012	0.00047	0.877	0.000085
12:53:03.196	-7	0.00004	0.0001	0.00043	0.488	0.000047
12:53:04.196	-7	0.00003	0.00011	0.00051	0.272	0.000026
12:53:05.196	-7	0.00003	0.00008	0.00093	0.209	0.00002
12:53:06.196	-7	0.00003	0.00009	0.00112	0.193	0.000019
12:53:07.196	-7	0.00003	0.00007	0.00092	0.163	0.000016
12:53:08.196	-7	0.00002	0.00006	0.00092	0.146	0.000014
12:53:09.196	-7	0.00002	0.00007	0.0009	0.173	0.000017
12:53:10.196	-7	0.00002	0.00005	0.00077	0.208	0.00002
12:53:11.196	-7	0.00002	0.00007	0.00074	0.237	0.000023
12:53:12.196	-7	0.00002	0.00006	0.00084	0.325	0.000032
12:53:13.196	-7	0.00002	0.00007	0.00116	0.416	0.00004
12:53:14.196	-7	0.00002	0.00006	0.00109	0.504	0.000049
12:53:15.196	-7	0.00002	0.00006	0.00124	0.603	0.000059
12:53:16.196	-7	0.00002	0.00007	0.00142	0.738	0.000072
12:53:17.196	-7	0.00002	0.00004	0.00128	0.898	0.000087
12:53:18.196	-7	0.00002	0.00007	0.00149	1.009	0.000098
12:53:19.196	-7	0.00002	0.00006	0.00129	1.073	0.000104
12:53:20.196	-7	0.00002	0.00007	0.00116	1.082	0.000105
12:53:21.196	-7	0.00002	0.00005	0.00111	1.073	0.000104
12:53:22.196	-7	0.00002	0.00006	0.00122	1.077	0.000104
12:53:23.196	-7	0.00002	0.00006	0.00144	1.096	0.000106
12:53:24.196	-7	0.00002	0.00005	0.00123	1.1	0.000107
12:53:25.196	-7	0.00002	0.00006	0.00122	1.099	0.000106
12:53:26.196	-7	0.00002	0.00003	0.00123	1.103	0.000107
12:53:27.196	-7	0.00002	0.00004	0.00123	1.11	0.000108
12:53:28.196	-7	0.00002	0.00001	0.00124	1.114	0.000108
12:53:29.196	-7	0.00002	0	0.00125	1.12	0.000108
12:53:30.196	-7	0.00002	0.00002	0.00135	1.12	0.000109
12:53:31.196	-7	0.00002	0.00002	0.00135	1.12	0.000108
12:53:32.196	-7	0.00002	0.00004	0.00136	1.122	0.000109

0	8.00E-01	-1.100	1.000	0.000	0.812	8.600
0	8.00E-01	-1.100	1.000	0.000	0.803	8.400
1.5	8.00E-01	-1.100	1.000	0.000	0.786	12.000
1.7	9.00E-01	-0.500	1.200	0.000	0.925	8.800
9.3	9.00E-01	-0.300	1.200	0.000	0.934	14.000
9.6	1.90E+00	1.100	1.300	0.890	1.013	8.000
16.8	9.10E+00	10.300	1.300	8.040	1.018	10.100
17.1	1.41E+01	16.800	1.300	13.119	1.015	7.900
26.5	1.55E+01	18.600	1.300	14.482	1.014	8.700
26.7	1.54E+01	18.400	1.300	14.407	1.017	11.000
33.7	1.34E+01	15.800	1.300	12.413	1.022	7.100
33.8	1.02E+01	11.500	1.300	9.131	1.029	11.600
37.9	7.30E+00	7.900	1.300	6.250	1.029	7.800
37.9	5.60E+00	5.700	1.300	4.546	1.033	10.800
39.1	3.90E+00	3.500	1.300	2.846	1.047	10.000
39.1	2.50E+00	1.800	1.300	1.482	1.064	12.100
38.2	1.90E+00	1.000	1.200	0.862	1.008	13.000
38.2	1.50E+00	0.500	1.200	0.441	1.010	11.300
36.6	1.00E+00	0.000	1.200	0.019	1.016	13.600
36.4	1.00E+00	-0.400	1.200	0.000	1.018	10.300
31.9	1.00E+00	-0.400	1.200	0.000	1.019	11.700
31.7	1.00E+00	-0.500	1.200	0.000	1.020	8.900
24.5	1.00E+00	-0.600	1.200	0.000	1.020	8.400
24.3	1.00E+00	-0.600	1.200	0.000	1.019	10.100
17.7	1.00E+00	-0.600	1.200	0.000	1.017	8.000
17.4	1.00E+00	-0.600	1.200	0.000	1.015	12.000
10.5	1.00E+00	-0.600	1.200	0.000	1.011	9.400
10.4	1.00E+00	-0.600	1.200	0.000	1.007	12.100
5.5	1.10E+00	-0.600	1.300	0.000	1.075	9.200
5.4	1.10E+00	-0.600	1.300	0.000	1.082	8.800
0	1.10E+00	-0.600	1.300	0.000	1.075	10.800
0	1.10E+00	-0.600	1.300	0.000	1.068	7.000
0	1.10E+00	-0.600	1.300	0.000	1.062	11.300
0	1.10E+00	-0.600	1.300	0.000	1.060	8.600
0	1.10E+00	-0.600	1.300	0.000	1.059	11.300
0	1.10E+00	-0.600	1.300	0.000	1.059	7.900
0	1.10E+00	-0.600	1.300	0.000	1.059	9.500
0	1.10E+00	-0.700	1.300	0.000	1.058	10.000
0	1.10E+00	-0.700	1.300	0.000	1.057	8.000
0	1.10E+00	-0.700	1.300	0.000	1.057	9.300
0	1.10E+00	-0.800	1.300	0.000	1.057	5.400
0	1.10E+00	-0.800	1.300	0.000	1.057	6.800
0	1.10E+00	-1.100	1.300	0.000	1.057	2.100
0	1.10E+00	-1.200	1.300	0.000	1.057	0.700
0	1.10E+00	-1.300	1.300	0.000	1.057	3.600
0	1.10E+00	-1.300	1.300	0.000	1.057	3.000
0	1.10E+00	-1.200	1.300	0.000	1.057	7.000

888	0	59.5	296.1168	237.986766
1411	3.537	79.7	293.558251	259.645968
1953	7.813	81.2	292.630094	283.021743
1955	11.086	69.3	289.466444	306.397519
2223	14.853	72.8	287.094637	341.269725
2691	19.558	72.4	284.413249	377.966972
2725	23.962	73.2	281.901633	414.66422
2541	27.914	75	280.194904	436.568978
2390	31.688	74.8	279.6	448.321049
2119	34.668	72.9	279.855319	460.073121
1994	36.859	71	280.561361	462.421571
2053	37.911	63.8	281.207202	446.01909
1973	38.5	58.4	281.6	429.616609
1544	38.333	28.4	281.931431	408.825204
1531	37.789	15.9	282.3	382.263175
1502	37.206	0	282.3	355.701147
1471	36.643	0	282.3	330.558901
1433	35.589	0	282.3	315.927818
1334	32.869	0	282.3	301.296735
1246	29.269	0	282.3	286.665651
1329	25.702	0	282.3	278.254448
1245	22.703	4.5	282.3	270.282764
1160	19.142	8.8	282.3	262.31108
1065	15.305	15.8	282.3	257.598869
1019	11.697	19.4	282.3	254.38554
987	8.809	18	282.3	251.172211
845	6.871	20.9	282.532484	249.357712
831	3.919	30.9	283	250.46176
776	1.689	44.1	283	251.565808
785	0.511	41.9	283	253.393472
782	0	41.5	283.263852	256.657567
780	0	41.2	283.7	259.921662
781	0	41.6	283.7	262.052251
782	0	41.8	284.501512	263.542471
780	0	41.7	285	265.032692
779	0	42.1	285.296815	265.995247
780	0	42.4	285.7	266.223112
780	0	42.4	285.792938	266.450977
779	0	42.6	286.4	266.6
780	0	42.2	286.774016	266.6
781	0	42.5	287.1	266.6
780	0	43	287.1	266.410009
779	0	42.8	287.1	265.980166
779	0	42.6	287.274704	265.550322
781	0	42	287.7	265.122985
781	0	42.7	287.767544	264.70669
778	0	42.1	288.325758	264.290395

2.36449	0.45031	11.52432	15075.127
2.36454	0.45046	11.52768	15078.867
2.36461	0.4508	11.53569	15086.965
2.3647	0.45106	11.5407	15096.137
2.36486	0.45179	11.54837	15112.454
2.36531	0.45236	11.55891	15134.66
2.36706	0.45295	11.56831	15151.887
2.36986	0.45342	11.57894	15170.16
2.37261	0.45388	11.58599	15186.746
2.37492	0.45438	11.59187	15200.43
2.37649	0.45463	11.59647	15210.443
2.37742	0.45495	11.60086	15217.739
2.37786	0.45509	11.60427	15222.508
2.37807	0.45521	11.60617	15225.361
2.3782	0.45531	11.60676	15227.465
2.37828	0.45543	11.60716	15228.89
2.37834	0.45555	11.60763	15229.767
2.37838	0.45565	11.60806	15230.255
2.37841	0.45576	11.60857	15230.527
2.37844	0.45584	11.6095	15230.736
2.37847	0.45593	11.61062	15230.929
2.3785	0.456	11.61154	15231.092
2.37852	0.45606	11.61246	15231.238
2.37854	0.45613	11.61336	15231.411
2.37856	0.45618	11.61413	15231.619
2.37858	0.45625	11.61487	15231.856
2.3786	0.45631	11.61571	15232.181
2.37862	0.45638	11.61687	15232.597
2.37864	0.45644	11.61796	15233.101
2.37866	0.4565	11.6192	15233.704
2.37868	0.45657	11.62062	15234.442
2.3787	0.45661	11.6219	15235.34
2.37872	0.45668	11.62339	15236.349
2.37874	0.45674	11.62468	15237.422
2.37876	0.45681	11.62584	15238.504
2.37878	0.45686	11.62695	15239.577
2.3788	0.45692	11.62817	15240.654
2.37882	0.45698	11.62961	15241.75
2.37884	0.45703	11.63084	15242.85
2.37886	0.45709	11.63206	15243.949
2.37888	0.45712	11.63329	15245.052
2.3789	0.45716	11.63452	15246.162
2.37892	0.45717	11.63576	15247.276
2.37894	0.45717	11.63701	15248.396
2.37896	0.45719	11.63836	15249.516
2.37898	0.45721	11.63971	15250.636
2.379	0.45725	11.64107	15251.758

12:53:33.196	-7	0.00002	0.00002	0.00136	1.126	0.000109
12:53:34.196	-7	0.00002	0.00005	0.00136	1.123	0.000109
12:53:35.196	-7	0.00002	0.00003	0.00136	1.13	0.000109
12:53:36.196	-7	0.00002	0.00004	0.00135	1.128	0.000109
12:53:37.196	-7	0.00002	0.00004	0.00136	1.132	0.00011
12:53:38.196	-7	0.00002	0.00003	0.00136	1.135	0.00011
12:53:39.196	-7	0.00002	0.00005	0.00136	1.131	0.00011
12:53:40.196	-7	0.00002	0.00002	0.00137	1.138	0.00011
12:53:41.196	-7	0.00002	0.00004	0.00136	1.129	0.000109
12:53:42.196	-7	0.00002	0.00003	0.00136	1.129	0.000109
12:53:43.196	-7	0.00002	0.00004	0.00136	1.129	0.000109
12:53:44.196	-7	0.00002	0.00003	0.00135	1.126	0.000109
12:53:45.196	-7	0.00002	0.00003	0.00136	1.134	0.00011
12:53:46.196	-7	0.00002	0.00005	0.00136	1.132	0.00011
12:53:47.196	-7	0.00002	0.00003	0.00135	1.128	0.000109
12:53:48.196	-7	0.00002	0.00005	0.00136	1.133	0.00011
12:53:49.196	-7	0.00002	0.00003	0.00137	1.139	0.00011
12:53:50.196	-7	0.00002	0.00004	0.00136	1.133	0.00011
12:53:51.196	-7	0.00002	0.00005	0.0013	1.128	0.000109
12:53:52.196	-7	0.00002	0.00002	0.00123	1.132	0.00011
12:53:53.196	-7	0.00002	0.00005	0.00125	1.128	0.000109
12:53:54.196	-7	0.00002	0.00003	0.00135	1.131	0.00011
12:53:55.196	-7	0.00002	0.00004	0.00135	1.126	0.000109
12:53:56.196	-7	0.00002	0.00002	0.00136	1.132	0.00011
12:53:57.196	-7	0.00002	0.00004	0.00136	1.136	0.00011
12:53:58.196	-7	0.00002	0.00003	0.00137	1.139	0.00011
12:53:59.196	-7	0.00002	0.00002	0.00135	1.139	0.00011
12:54:00.196	-7	0.00002	0.00005	0.00124	1.137	0.00011
12:54:01.196	-7	0.00002	0.00003	0.00123	1.129	0.000109
12:54:02.196	-7	0.00002	0.00005	0.00124	1.133	0.00011
12:54:03.196	-7	0.00002	0.00003	0.00124	1.132	0.00011
12:54:04.196	-7	0.00002	0.00004	0.00123	1.127	0.000109
12:54:05.196	-7	0.00002	0.00004	0.00124	1.121	0.000109
12:54:06.196	-7	0.00002	0.00004	0.00134	1.118	0.000108
12:54:07.196	-7	0.00002	0.00005	0.00136	1.134	0.00011
12:54:08.196	-7	0.00002	0.00003	0.00135	1.128	0.000109
12:54:09.196	-7	0.00002	0.00005	0.00136	1.13	0.00011
12:54:10.196	-7	0.00002	0.00003	0.00136	1.134	0.00011
12:54:11.196	-7	0.00002	0.00005	0.00136	1.134	0.00011
12:54:12.196	-7	0.00002	0.00005	0.00136	1.134	0.00011
12:54:13.196	-7	0.00002	0.00004	0.00136	1.131	0.00011
12:54:14.196	-7	0.00002	0.00006	0.00136	1.132	0.00011
12:54:15.196	-7	0.00002	0.00003	0.00137	1.138	0.00011
12:54:16.196	-7	0.00002	0.00005	0.00136	1.132	0.00011
12:54:17.196	-7	0.00002	0.00002	0.00136	1.132	0.00011
12:54:18.196	-7	0.00002	0.00003	0.00135	1.128	0.000109
12:54:19.196	-7	0.00002	0.00003	0.00135	1.125	0.000109

0	1.10E+00	-1.200	1.300	0.000	1.057	3.000	780	0	42.3	289.0069	263.874101
0	1.00E+00	-1.200	1.200	0.000	0.986	7.700	781	0	42.6	289.1	263.154075
0	1.00E+00	-1.200	1.200	0.000	0.975	5.000	780	0	42.4	289.967464	262.368277
0	1.00E+00	-1.200	1.200	0.000	0.975	6.100	780	0	42.1	290.785273	261.58248
0	1.00E+00	-1.000	1.200	0.000	0.975	6.900	780	0	42.5	291.1	260.926247
0	1.00E+00	-0.900	1.200	0.000	0.975	4.000	779	0	42.7	291.34693	260.476108
0	1.00E+00	-0.900	1.200	0.000	0.975	7.300	780	0	42.5	291.8	260.02597
0	9.00E-01	-0.900	1.100	0.000	0.904	3.800	779	0	42.6	292.142038	259.696803
0	9.00E-01	-0.900	1.100	0.000	0.893	6.600	778	0	42.5	292.5	259.48958
0	9.00E-01	-0.900	1.100	0.000	0.893	4.300	780	0	42.6	292.5	259.282356
0	9.00E-01	-1.000	1.100	0.000	0.893	5.500	779	0	42	292.606909	259.003023
0	9.00E-01	-1.000	1.100	0.000	0.893	5.300	780	0	42	293.2	258.194882
0	9.00E-01	-1.000	1.100	0.000	0.893	4.100	781	0	42	293.2	257.38674
0	9.00E-01	-0.900	1.100	0.000	0.893	8.300	781	0	42	293.868253	256.578599
0	9.00E-01	-0.900	1.100	0.000	0.893	4.900	780	0	42.2	294	256.084615
0	9.00E-01	-1.000	1.100	0.000	0.893	8.000	780	0	42.4	294.402878	255.679757
0	9.00E-01	-1.000	1.100	0.000	0.893	5.000	781	0	42.5	294.7	255.274899
0	9.00E-01	-1.000	1.100	0.000	0.894	5.800	780	0	42.7	295.169636	254.93565
0	9.00E-01	-1.000	1.100	0.000	0.894	7.100	780	0	42.3	296.1	254.735182
0	9.00E-01	-1.000	1.100	0.000	0.894	3.800	779	0	41.7	296.1	254.534714
0	9.00E-01	-1.000	1.100	0.000	0.894	8.300	779	0	42.3	296.1	254.246319
0	9.00E-01	-1.100	1.100	0.000	0.894	4.000	781	0	42	296.264526	253.777778
0	9.00E-01	-1.100	1.100	0.000	0.894	6.800	780	0	42	296.7	253.309237
0	9.00E-01	-1.000	1.100	0.000	0.894	3.100	779	0	42.1	296.7	252.788491
0	9.00E-01	-1.000	1.100	0.000	0.894	6.300	780	0	42.3	296.7	252.166407
0	9.00E-01	-1.000	1.100	0.000	0.894	5.200	781	0	41.9	296.7	251.544323
0	9.00E-01	-1.000	1.100	0.000	0.894	3.800	781	0	41.6	296.7	250.93932
0	9.00E-01	-1.000	1.100	0.000	0.894	8.200	780	0	42.3	296.7	250.453883
0	9.00E-01	-1.000	1.100	0.000	0.894	4.000	779	0	42.3	296.7	249.968447
0	9.00E-01	-1.000	1.100	0.000	0.894	7.700	780	0	41.7	296.7	249.55411
0	9.00E-01	-1.000	1.100	0.000	0.894	4.900	779	0	42.3	296.7	249.363694
0	9.00E-01	-1.000	1.100	0.000	0.894	6.700	778	0	42	296.7	249.173278
0	9.00E-01	-1.000	1.100	0.000	0.894	5.800	779	0	42	296.629091	248.983933
0	9.00E-01	-1.000	1.100	0.000	0.894	6.100	779	0	42	296.1	248.805415
0	9.00E-01	-1.000	1.100	0.000	0.895	8.300	779	0	42	296.1	248.626897
0	9.00E-01	-1.000	1.100	0.000	0.895	4.000	778	0	42	296.1	248.448378
0	1.00E+00	-1.000	1.200	0.000	0.966	7.700	779	0	42	295.12089	248.22916
0	1.00E+00	-1.000	1.200	0.000	0.976	5.500	780	0	42.2	294.7	247.994811
0	1.00E+00	-1.000	1.200	0.000	0.976	7.100	779	0	42.4	294.168152	247.760462
0	1.00E+00	-1.000	1.200	0.000	0.976	7.800	779	0	42.4	294	247.254284
0	1.00E+00	-1.000	1.200	0.000	0.976	6.300	780	0	42.6	293.394256	246.653588
0	1.00E+00	-0.900	1.200	0.000	0.976	8.800	779	0	42.5	293.2	246.052893
0	1.00E+00	-0.900	1.200	0.000	0.976	4.700	780	0	42.4	292.802634	245.663685
0	1.00E+00	-0.900	1.200	0.000	0.976	8.000	781	0	42.2	292.5	245.428252
0	1.00E+00	-0.900	1.200	0.000	0.976	3.300	782	0	42	292.319333	245.192819
0	1.00E+00	-0.900	1.200	0.000	0.976	5.200	779	0	41.9	291.8	244.935242
0	1.00E+00	-0.900	1.200	0.000	0.976	4.300	779	0	41.6	291.674361	244.57746

2.37902	0.45727	11.64243	15252.884
2.37904	0.45732	11.64379	15254.007
2.37906	0.45735	11.64515	15255.137
2.37908	0.45739	11.6465	15256.265
2.3791	0.45743	11.64786	15257.397
2.37912	0.45746	11.64922	15258.532
2.37914	0.45751	11.65058	15259.663
2.37916	0.45753	11.65195	15260.801
2.37918	0.45757	11.65331	15261.93
2.3792	0.4576	11.65467	15263.059
2.37922	0.45764	11.65603	15264.188
2.37924	0.45767	11.65738	15265.314
2.37926	0.4577	11.65874	15266.448
2.37928	0.45775	11.6601	15267.58
2.3793	0.45778	11.66145	15268.708
2.37932	0.45783	11.66281	15269.841
2.37934	0.45786	11.66418	15270.98
2.37936	0.4579	11.66554	15272.113
2.37938	0.45795	11.66684	15273.241
2.3794	0.45797	11.66807	15274.373
2.37942	0.45802	11.66932	15275.501
2.37944	0.45805	11.67067	15276.632
2.37946	0.45809	11.67202	15277.758
2.37948	0.45811	11.67338	15278.89
2.3795	0.45815	11.67474	15280.026
2.37952	0.45818	11.67611	15281.165
2.37954	0.4582	11.67746	15282.304
2.37956	0.45825	11.6787	15283.441
2.37958	0.45828	11.67993	15284.57
2.3796	0.45833	11.68117	15285.703
2.37962	0.45836	11.68241	15286.835
2.37964	0.4584	11.68364	15287.962
2.37966	0.45844	11.68488	15289.083
2.37968	0.45848	11.68622	15290.201
2.3797	0.45853	11.68758	15291.335
2.37972	0.45856	11.68893	15292.463
2.37974	0.45861	11.69029	15293.593
2.37976	0.45864	11.69165	15294.727
2.37978	0.45869	11.69301	15295.861
2.3798	0.45874	11.69437	15296.995
2.37982	0.45878	11.69573	15298.126
2.37984	0.45884	11.69709	15299.258
2.37986	0.45887	11.69846	15300.396
2.37988	0.45892	11.69982	15301.528
2.3799	0.45894	11.70118	15302.66
2.37992	0.45897	11.70253	15303.788
2.37994	0.459	11.70388	15304.913

12:54:20.196	-7	0.00002	0.00001	0.00135	1.126	0.000109
12:54:21.196	-7	0.00002	0.00004	0.00135	1.126	0.000109
12:54:22.196	-7	0.00002	0.00004	0.00135	1.128	0.000109
12:54:23.196	-7	0.00002	0.00007	0.00134	1.118	0.000108
12:54:24.196	-7	0.00002	0.00003	0.00135	1.121	0.000109
12:54:25.196	-7	0.00002	0.00004	0.00136	1.135	0.00011
12:54:26.196	-7	0.00002	0.00003	0.00136	1.131	0.00011
12:54:27.196	-7	0.00002	0.00003	0.00136	1.134	0.00011
12:54:28.196	-7	0.00002	0.00004	0.00135	1.126	0.000109
12:54:29.196	-7	0.00002	0.00003	0.00135	1.126	0.000109
12:54:30.196	-7	0.00002	0.00004	0.00137	1.135	0.00011
12:54:31.196	-7	0.00002	0.00003	0.00136	1.127	0.000109
12:54:32.196	-7	0.00002	0.00004	0.00135	1.124	0.000109
12:54:33.196	-7	0.00002	0.00003	0.00135	1.122	0.000109
12:54:34.196	-7	0.00002	0.00004	0.00135	1.122	0.000109
12:54:35.196	-7	0.00002	0.00004	0.00135	1.12	0.000109
12:54:36.196	-7	0.00002	0.00002	0.00135	1.117	0.000108
12:54:37.196	-7	0.00002	0.00004	0.00136	1.128	0.000109
12:54:38.196	-7	0.00002	0.00003	0.00157	1.305	0.000126
12:54:39.196	-7	0.00004	0.00008	0.00339	2.496	0.000242
12:54:40.196	-7	0.00007	0.00011	0.00813	6.651	0.000644
12:54:41.196	-7	0.00016	0.0001	0.01035	10.613	0.001026
12:54:42.196	-7	0.00051	0.00023	0.00457	11.691	0.001129
12:54:43.196	-7	0.00073	0.00007	0.00474	10.921	0.001055
12:54:44.196	-7	0.0007	0.00008	0.00451	8.933	0.000863
12:54:45.196	-7	0.0006	0	0.00422	7.222	0.000698
12:54:46.196	-7	0.00047	0.00006	0.00364	5.831	0.000564
12:54:47.196	-7	0.00032	0.00004	0.00301	4.968	0.00048
12:54:48.196	-7	0.00024	0.00003	0.00287	4.916	0.000475
12:54:49.196	-7	0.00018	0.00009	0.00281	5.129	0.000495
12:54:50.196	-7	0.00014	0.00004	0.00242	5.035	0.000486
12:54:51.196	-7	0.00009	0.00012	0.00153	3.826	0.000369
12:54:52.196	-7	0.00007	0.0001	0.00068	2.306	0.000223
12:54:53.196	-7	0.00004	0.0001	0	1.125	0.000109
12:54:54.196	-7	0.00002	0.00006	0.00035	0.571	0.000055
12:54:55.196	-7	0.00004	0.00015	0.01016	2.616	0.000255
12:54:56.196	-7	0.00053	0.00063	0.17857	14.462	0.001426
12:54:57.196	-7	0.00611	0.00052	0.20451	24.314	0.00238
12:54:58.196	-7	0.01199	0.00045	0.07661	22.419	0.002177
12:54:59.196	-7	0.01245	0.00016	0.0279	20.624	0.001995
12:55:00.196	-7	0.00928	0.00029	0.01656	17.913	0.001731
12:55:01.196	-7	0.00639	0.00019	0.01176	16.615	0.001605
12:55:02.196	-7	0.00378	0.00015	0.00986	13.539	0.001308
12:55:03.196	-7	0.00182	0.00019	0.00757	8.491	0.000821
12:55:04.196	-7	0.00065	0.00004	0.00374	3.474	0.000336
12:55:05.196	-7	0.00035	0.00008	0.00229	2.076	0.000201
12:55:06.196	-7	0.0002	0.00004	0.00194	1.377	0.000133

0	1.10E+00	-0.900	1.300	0.000	1.057	2.200	779	0	41.9	290.636022	244.219678
0	1.10E+00	-0.900	1.300	0.000	1.057	6.200	780	0	42.3	290.5	243.861896
0	1.10E+00	-0.800	1.300	0.000	1.057	5.700	781	0	42.1	289.392196	243.8
0	1.10E+00	-0.800	1.300	0.000	1.057	11.000	781	0	41.8	288.671542	243.8
0	1.10E+00	-0.800	1.300	0.000	1.057	5.200	780	0	41.6	288.071193	243.8
0	1.10E+00	-0.800	1.300	0.000	1.057	6.700	780	0	41.5	287.468978	243.720393
0	1.10E+00	-0.800	1.300	0.000	1.057	4.900	781	0	41.2	287.1	243.511998
0	1.10E+00	-0.800	1.300	0.000	1.057	4.500	779	0	41.6	286.996367	243.303602
0	1.10E+00	-0.800	1.300	0.000	1.057	5.600	780	0	41.6	286.360545	243.090479
0	1.10E+00	-0.800	1.300	0.000	1.056	4.000	779	0	41.6	285.724182	242.676544
0	1.10E+00	-0.900	1.300	0.000	1.056	6.800	781	0	41.6	284.880132	242.262608
0	1.10E+00	-0.900	1.300	0.000	1.057	4.000	779	0	41.6	283.589909	241.847696
0	1.10E+00	-0.900	1.300	0.000	1.056	5.900	779	0	41.6	282.952198	241.425892
0	1.10E+00	-1.000	1.300	0.000	1.056	4.600	780	0	41.9	282.3	241.004088
0	1.00E+00	-1.000	1.200	0.000	0.985	5.700	782	0	41.6	282.22061	240.591892
0	1.00E+00	-1.000	1.200	0.000	0.975	6.500	781	0	42.3	281.6	240.398842
0	9.00E-01	-1.000	1.100	0.000	0.904	3.800	778	0	42	281.586286	240.205792
0	8.00E-01	-1.000	1.000	0.000	0.823	7.000	778	0	42.3	281.014857	240.012741
0	8.00E-01	-1.000	1.000	0.000	0.812	3.400	889	0.436	45.1	280.3182	245.52861
0	8.00E-01	-1.000	1.000	0.000	0.809	5.700	1313	2.865	76.7	279.756733	251.447892
0.8	8.00E-01	-1.000	1.000	0.000	0.794	4.300	1907	7.25	80.7	278.738525	257.367175
1.1	1.40E+00	0.700	1.000	0.584	0.783	2.800	2181	11.717	72.9	277.488665	280.754286
9.9	4.00E+00	4.100	1.000	3.176	0.782	6.000	2141	15.345	71.4	276.576647	316.330323
10.1	5.90E+00	6.600	1.000	5.155	0.784	2.000	2127	18.668	69.7	275.455767	351.906359
17.5	6.60E+00	7.500	1.000	5.860	0.786	2.700	2101	21.568	71.3	273.452	375.990117
17.6	6.80E+00	7.600	1.000	5.997	0.789	-1.000	2019	23.694	69.4	271.99056	377.158131
22.9	6.60E+00	7.400	0.900	5.861	0.720	2.600	1997	25.404	74.6	271.420294	378.326146
23	5.40E+00	5.900	0.900	4.646	0.709	2.300	1556	26.559	75.6	270.777646	379.49416
26.1	4.30E+00	4.600	0.900	3.605	0.707	1.800	1525	27.642	80.9	270.13896	380.659816
26.1	3.20E+00	3.200	0.900	2.488	0.703	5.100	1583	28.833	85.7	269.482817	381.82546
28.8	2.70E+00	2.500	0.900	1.960	0.699	2.400	1625	29.593	48.3	269.4	382.991104
28.9	2.10E+00	1.800	0.900	1.436	0.702	9.600	1625	29.81	13.5	268.78018	364.35625
30.7	1.80E+00	1.300	0.900	1.077	0.723	9.200	1589	29.295	0	267.736146	338.58244
30.7	1.10E+00	0.600	0.800	0.473	0.661	9.800	1479	27.162	0	266.916909	312.808631
29.2	7.00E-01	0.000	0.800	0.020	0.671	6.300	1381	23.714	19.5	266.333606	301.911986
29	4.00E-01	-0.500	0.500	0.000	0.425	5.700	1523	21.736	74.7	265.9	315.810615
22.9	2.10E+00	2.200	0.400	1.774	0.323	8.400	2288	24.074	96.4	265.9	329.709245
23	2.08E+01	25.900	0.500	20.375	0.394	5.900	2950	29.077	77.6	267.152665	353.045092
26.6	4.52E+01	56.700	0.800	44.615	0.601	5.700	3061	33.524	75.4	272.03214	406.595901
26.9	5.47E+01	67.700	2.300	52.910	1.786	2.300	2659	37.061	80.6	279.032936	460.146709
35.4	4.83E+01	58.700	3.300	45.738	2.535	5.100	2315	40.023	79.8	285.865909	513.697517
35.6	3.58E+01	42.600	3.300	33.230	2.574	3.500	2294	42.284	76.5	291.116894	513.386369
41.7	2.51E+01	28.700	3.300	22.495	2.583	3.200	2159	43.918	70.6	295.711502	497.348086
41.8	1.76E+01	19.300	3.000	15.203	2.394	5.900	1819	44.71	58.3	300.179599	481.309803
44.9	1.31E+01	13.600	2.700	10.902	2.178	2.900	1656	44.504	41.1	303.742071	462.734927
44.9	9.70E+00	9.300	2.600	7.551	2.112	7.000	1398	43.512	30.7	305.376433	438.915685
44.4	6.60E+00	5.900	2.200	4.817	1.769	4.300	1415	42.38	75.9	306	415.096443

2.37996	0.45901	11.70523	15306.039
2.37998	0.45905	11.70658	15307.165
2.38	0.45909	11.70793	15308.293
2.38002	0.45916	11.70927	15309.411
2.38004	0.45919	11.71062	15310.532
2.38006	0.45923	11.71198	15311.667
2.38008	0.45926	11.71334	15312.798
2.3801	0.45929	11.7147	15313.932
2.38012	0.45933	11.71605	15315.058
2.38014	0.45936	11.7174	15316.184
2.38016	0.4594	11.71877	15317.319
2.38018	0.45943	11.72013	15318.446
2.3802	0.45947	11.72148	15319.57
2.38022	0.4595	11.72283	15320.692
2.38024	0.45954	11.72418	15321.814
2.38026	0.45958	11.72553	15322.934
2.38028	0.4596	11.72688	15324.051
2.3803	0.45964	11.72824	15325.179
2.38032	0.45967	11.72981	15326.484
2.38036	0.45975	11.7332	15328.98
2.38043	0.45986	11.74133	15335.631
2.38059	0.45996	11.75168	15346.244
2.3811	0.46019	11.75625	15357.935
2.38183	0.46026	11.76099	15368.856
2.38253	0.46034	11.7655	15377.789
2.38313	0.46034	11.76972	15385.011
2.3836	0.4604	11.77336	15390.842
2.38392	0.46044	11.77637	15395.81
2.38416	0.46047	11.77924	15400.726
2.38434	0.46056	11.78205	15405.855
2.38448	0.4606	11.78447	15410.89
2.38457	0.46072	11.786	15414.716
2.38464	0.46082	11.78668	15417.022
2.38468	0.46092	11.78668	15418.147
2.3847	0.46098	11.78703	15418.718
2.38474	0.46113	11.79719	15421.334
2.38527	0.46176	11.97576	15435.796
2.39138	0.46228	12.18027	15460.11
2.40337	0.46273	12.25688	15482.529
2.41582	0.46289	12.28478	15503.153
2.4251	0.46318	12.30134	15521.066
2.43149	0.46337	12.3131	15537.681
2.43527	0.46352	12.32296	15551.22
2.43709	0.46371	12.33053	15559.711
2.43774	0.46375	12.33427	15563.185
2.43809	0.46383	12.33656	15565.261
2.43829	0.46387	12.3385	15566.638

12:55:07.196	-7	0.00014	0.00007	0.00282	1.448	0.00014
12:55:08.196	-7	0.00015	0.00011	0.00458	2.616	0.000254
12:55:09.196	-7	0.00014	0.00017	0.00443	4.068	0.000393
12:55:10.196	-7	0.00014	0.00016	0.00326	4.706	0.000455
12:55:11.196	-7	0.00013	0.00011	0.00261	4.9	0.000473
12:55:12.196	-7	0.00013	0.00017	0.00296	5.676	0.000548
12:55:13.196	-7	0.00013	0.0001	0.00461	7.425	0.000717
12:55:14.196	-7	0.00012	0.00013	0.00506	8.09	0.000781
12:55:15.196	-7	0.00011	0.0001	0.00431	7.4	0.000714
12:55:16.196	-7	0.0001	0.00012	0.00374	6.345	0.000613
12:55:17.196	-7	0.00009	0.00014	0.00344	5.004	0.000483
12:55:18.196	-7	0.00007	0.00009	0.00299	3.535	0.000342
12:55:19.196	-7	0.00006	0.00012	0.00167	2.224	0.000215
12:55:20.196	-7	0.00005	0.00009	0.00071	1.249	0.000121
12:55:21.196	-7	0.00004	0.0001	0.00059	0.621	0.00006
12:55:22.196	-7	0.00003	0.00007	0.00101	0.359	0.000035
12:55:23.196	-7	0.00003	0.00007	0.00133	0.268	0.000026
12:55:24.196	-7	0.00003	0.00009	0.00113	0.255	0.000025
12:55:25.196	-7	0.00003	0.0001	0.00126	0.342	0.000033
12:55:26.196	-7	0.00003	0.00015	0.00168	0.554	0.000054
12:55:27.196	-7	0.00004	0.0001	0.00271	1.035	0.000101
12:55:28.196	-7	0.00004	0.00012	0.00323	1.605	0.000156
12:55:29.196	-7	0.00003	0.00009	0.00263	1.959	0.00019
12:55:30.196	-7	0.00003	0.0001	0.00164	1.813	0.000176
12:55:31.196	-7	0.00003	0.0001	0.00155	1.661	0.000161
12:55:32.196	-7	0.00002	0.00007	0.00133	1.229	0.000119
12:55:33.196	-7	0.00002	0.0001	0.001	0.866	0.000084
12:55:34.196	-7	0.00002	0.00005	0.00074	0.54	0.000052
12:55:35.196	-7	0.00002	0.00006	0.00078	0.355	0.000034
12:55:36.196	-7	0.00002	0.00005	0.0006	0.28	0.000027
12:55:37.196	-7	0.00002	0.00007	0.00097	0.269	0.000026
12:55:38.196	-7	0.00003	0.00011	0.00137	0.384	0.000037
12:55:39.196	-7	0.00004	0.00018	0.00446	1.364	0.000133
12:55:40.196	-7	0.00006	0.00038	0.0092	5.181	0.000502
12:55:41.196	-7	0.00005	0.0003	0.006	5.294	0.000512
12:55:42.196	-7	0.00005	0.00027	0.0025	3.986	0.000385
12:55:43.196	-7	0.00004	0.00016	0.00131	2.653	0.000257
12:55:44.196	-7	0.00004	0.00016	0.00252	2.654	0.000257
12:55:45.196	-7	0.00005	0.00021	0.0041	4.035	0.00039
12:55:46.196	-7	0.00007	0.00029	0.00551	7.234	0.000699
12:55:47.196	-7	0.00007	0.0004	0.00321	7.304	0.000705
12:55:48.196	-7	0.00006	0.00023	0.00234	5.154	0.000498
12:55:49.196	-7	0.00004	0.00018	0.00081	2.389	0.000231
12:55:50.196	-7	0.00003	0.0001	0.00078	1.243	0.00012
12:55:51.196	-7	0.00002	0.00009	0.00083	0.627	0.000061
12:55:52.196	-7	0.00002	0.00008	0.00088	0.39	0.000038
12:55:53.196	-7	0.00002	0.00007	0.00096	0.334	0.000032

44.3	4.40E+00	3.300	2.000	2.739	1.636	7.700
42.6	3.50E+00	2.400	1.900	1.963	1.530	8.500
42.6	3.00E+00	1.900	1.900	1.513	1.492	12.000
41.7	2.70E+00	1.600	1.900	1.266	1.480	11.000
41.7	2.50E+00	1.300	1.900	1.033	1.480	6.700
41.7	2.10E+00	0.900	1.800	0.722	1.411	9.600
41.7	1.70E+00	0.600	1.600	0.485	1.259	4.400
42.6	1.60E+00	0.500	1.600	0.385	1.232	5.800
42.6	1.60E+00	0.500	1.600	0.385	1.224	4.800
44.8	1.60E+00	0.500	1.500	0.388	1.165	6.300
44.8	1.60E+00	0.600	1.500	0.469	1.173	8.600
46.5	1.60E+00	0.500	1.500	0.395	1.186	7.000
46.5	1.60E+00	0.500	1.500	0.402	1.207	11.500
47	1.50E+00	0.400	1.400	0.329	1.152	9.300
47	1.30E+00	0.100	1.400	0.103	1.173	11.700
46.3	1.10E+00	0.000	1.300	0.000	1.108	8.500
46.3	1.10E+00	0.000	1.300	0.000	1.101	8.000
45.6	1.10E+00	-0.200	1.300	0.000	1.101	11.800
45.6	1.10E+00	-0.300	1.300	0.000	1.099	11.200
44.4	1.10E+00	-0.400	1.300	0.000	1.093	16.000
44.3	1.10E+00	-0.400	1.300	0.000	1.079	9.500
42.8	1.10E+00	-0.500	1.300	0.000	1.061	12.000
42.8	1.00E+00	-0.500	1.300	0.000	1.047	9.900
41.8	1.00E+00	-0.500	1.300	0.000	1.044	11.400
41.8	1.00E+00	-0.500	1.300	0.000	1.047	11.900
39.9	1.10E+00	-0.500	1.300	0.000	1.055	9.700
39.8	1.10E+00	-0.500	1.300	0.000	1.068	15.000
35.2	1.00E+00	-0.500	1.200	0.000	0.998	9.400
34.9	1.00E+00	-0.500	1.200	0.000	1.006	12.000
23.6	1.00E+00	-0.600	1.200	0.000	1.012	8.900
23.5	1.00E+00	-0.600	1.200	0.000	1.015	9.200
17.6	9.00E-01	-0.600	1.100	0.000	0.938	13.600
17.5	9.00E-01	-0.600	1.100	0.000	0.915	12.300
16.2	9.00E-01	-0.600	1.100	0.000	0.877	17.500
16.2	9.00E-01	-0.500	1.200	0.000	0.938	17.400
18.8	1.00E+00	-0.300	1.300	0.000	1.024	18.800
18.8	1.00E+00	-0.300	1.300	0.000	1.041	13.400
19.6	1.00E+00	-0.300	1.200	0.000	0.976	12.400
19.6	1.00E+00	-0.300	1.200	0.000	0.951	13.600
20.3	9.00E-01	-0.300	1.200	0.000	0.935	12.700
20.4	9.00E-01	-0.300	1.200	0.000	0.931	17.900
22.3	9.00E-01	-0.300	1.200	0.000	0.943	12.700
22.3	1.00E+00	-0.200	1.200	0.000	0.965	16.200
23.1	9.00E-01	-0.200	1.100	0.000	0.918	11.300
23	8.00E-01	-0.200	1.000	0.000	0.836	12.100
19.9	8.00E-01	-0.300	1.000	0.000	0.842	11.400
19.8	8.00E-01	-0.400	1.000	0.000	0.843	11.000

1407	41.736	75.4	306	391.277201
1398	41.195	71.4	306	390.381693
1380	40.99	71.1	306	392.146976
1368	40.99	72.9	307.2278	393.912259
1385	41.374	78.7	308.711565	398.037392
1375	41.925	81.9	309.38749	402.62209
1374	42.747	81.2	309.993909	407.206788
1409	43.824	79.5	312.045727	413.388162
1447	44.826	79.2	314.464818	421.313186
1469	45.95	80.1	315.750969	429.238211
1485	46.136	53.8	318.131057	423.076796
1485	46.58	17.9	319.717805	398.767403
1485	46.225	0.1	320.521763	374.458011
1476	45.95	0	321.188342	354.613165
1467	45.722	0	321.4	336.487354
1454	45.33	2.2	321.4	318.361543
1439	45.058	5.9	321.4	306.210072
1424	44.453	15.3	321.4	297.44843
1402	43.733	40.1	321.4	288.686789
1386	42.814	44.3	321.4	290.060818
1398	41.974	49.7	321.4	295.014563
1395	41.405	52.4	321.731747	299.968308
1343	40.846	41.9	322.413364	301.240392
1311	40.231	37.3	322.9	296.705318
1255	38.969	20.5	323.109222	292.170245
1213	36.885	0	323.6	286.565707
1201	31.932	0.1	323.6	278.7196
1059	26.074	4	323.520076	270.873493
1069	20.429	0.1	322.9	263.135055
970	18.088	23.3	322.9	260.183026
1085	16.505	20.1	322.176333	257.230996
1213	15.59	27.2	322.1	255.406466
1550	16.069	79.2	322.213651	279.954428
1897	17.605	76	322.848571	304.50239
1654	18.868	56.3	324.656051	329.050352
1508	19.25	42.9	326.239919	332.751416
1557	19.25	66.6	326.5	330.503879
1648	19.533	78.3	326.5	328.256342
1764	20.265	78.9	326.862704	335.837037
1913	21.307	83.8	327.2	352.133333
1941	22.546	70.2	327.2	368.42963
1731	22.98	32.3	327.2	363.06056
1504	22.428	4.8	326.753631	340.668702
1327	20.615	4.2	326.148066	318.276845
1217	17.729	11.2	325.462075	301.009546
1102	14.81	15.9	324.586135	290.93634
1157	13.07	6.9	323.524465	280.863133

2.43843	0.46394	12.34132	15568.086
2.43858	0.46405	12.3459	15570.702
2.43872	0.46422	12.35033	15574.77
2.43886	0.46438	12.35359	15579.476
2.43899	0.46449	12.3562	15584.376
2.43912	0.46466	12.35916	15590.052
2.43925	0.46476	12.36377	15597.477
2.43937	0.46489	12.36883	15605.567
2.43948	0.46499	12.37314	15612.967
2.43958	0.46511	12.37688	15619.312
2.43967	0.46525	12.38032	15624.316
2.43974	0.46534	12.38331	15627.851
2.4398	0.46546	12.38498	15630.075
2.43985	0.46555	12.38569	15631.324
2.43989	0.46565	12.38628	15631.945
2.43992	0.46572	12.38729	15632.304
2.43995	0.46579	12.38862	15632.572
2.43998	0.46588	12.38975	15632.827
2.44001	0.46598	12.39101	15633.169
2.44004	0.46613	12.39269	15633.723
2.44008	0.46623	12.3954	15634.758
2.44012	0.46635	12.39863	15636.363
2.44015	0.46644	12.40126	15638.322
2.44018	0.46654	12.4029	15640.135
2.44021	0.46664	12.40445	15641.796
2.44023	0.46671	12.40578	15643.025
2.44025	0.46681	12.40678	15643.891
2.44027	0.46686	12.40752	15644.431
2.44029	0.46692	12.4083	15644.786
2.44031	0.46697	12.4089	15645.066
2.44033	0.46704	12.40987	15645.335
2.44036	0.46715	12.41124	15645.719
2.4404	0.46733	12.4157	15647.083
2.44046	0.46771	12.4249	15652.264
2.44051	0.46801	12.4309	15657.558
2.44056	0.46828	12.4334	15661.544
2.4406	0.46844	12.43471	15664.197
2.44064	0.4686	12.43723	15666.851
2.44069	0.46881	12.44133	15670.886
2.44076	0.4691	12.44684	15678.12
2.44083	0.4695	12.45005	15685.424
2.44089	0.46973	12.45239	15690.578
2.44093	0.46991	12.4532	15692.967
2.44096	0.47001	12.45398	15694.21
2.44098	0.4701	12.45481	15694.837
2.441	0.47018	12.45569	15695.227
2.44102	0.47025	12.45665	15695.561

12:55:54.196	-7	0.00003	0.00013	0.0017	0.578	0.000056
12:55:55.196	-7	0.00006	0.00021	0.0085	3.262	0.000317
12:55:56.196	-7	0.00009	0.00044	0.01362	8.152	0.00079
12:55:57.196	-7	0.00012	0.00027	0.01077	10.141	0.00098
12:55:58.196	-7	0.00017	0.00019	0.00509	7.369	0.000712
12:55:59.196	-7	0.00012	0.00009	0.00239	4.061	0.000393
12:56:00.196	-7	0.00008	0.00004	0.00124	1.939	0.000188
12:56:01.196	-7	0.00006	0.00003	0.00083	1.01	0.000098
12:56:02.196	-7	0.00004	0.00001	0.00115	0.773	0.000075
12:56:03.196	-7	0.00005	0.00012	0.00365	1.238	0.00012
12:56:04.196	-7	0.00006	0.00011	0.00714	3.7	0.000359
12:56:05.196	-7	0.00007	0.00019	0.00862	6.453	0.000625
12:56:06.196	-7	0.00008	0.00027	0.00473	8.165	0.000789
12:56:07.196	-7	0.00008	0.00018	0.00381	8.569	0.000827
12:56:08.196	-7	0.00008	0.00022	0.00412	7.574	0.000732
12:56:09.196	-7	0.00007	0.00006	0.00411	6.215	0.000601
12:56:10.196	-7	0.00006	0.00013	0.00419	5.299	0.000512
12:56:11.196	-7	0.00006	0.00007	0.00442	5.275	0.00051
12:56:12.196	-7	0.00005	0.00011	0.0039	5.124	0.000495
12:56:13.196	-7	0.00005	0.00008	0.00318	4.475	0.000432
12:56:14.196	-7	0.00004	0.00008	0.00212	3.308	0.00032
12:56:15.196	-7	0.00003	0.00014	0.00114	2.116	0.000205
12:56:16.196	-7	0.00004	0.0001	0.00147	1.735	0.000168
12:56:17.196	-7	0.00005	0.00026	0.00458	3.506	0.00034
12:56:18.196	-7	0.00006	0.00033	0.0056	6.044	0.000584
12:56:19.196	-7	0.00007	0.00035	0.00457	7.522	0.000726
12:56:20.196	-7	0.00007	0.0003	0.00275	7.918	0.000764
12:56:21.196	-7	0.00007	0.00024	0.00276	7.657	0.000739
12:56:22.196	-7	0.00006	0.00021	0.00348	5.878	0.000568
12:56:23.196	-7	0.00005	0.0001	0.00333	4.517	0.000437
12:56:24.196	-7	0.00004	0.00012	0.00225	3.262	0.000315
12:56:25.196	-7	0.00004	0.00006	0.00224	2.438	0.000236
12:56:26.196	-7	0.00003	0.00006	0.00187	1.836	0.000178
12:56:27.196	-7	0.00002	0.00006	0.00157	1.541	0.000149
12:56:28.196	-7	0.00002	0.00006	0.00127	1.225	0.000119
12:56:29.196	-7	0.00002	0.00006	0.00107	0.893	0.000087
12:56:30.196	-7	0.00002	0.00004	0.00099	0.652	0.000063
12:56:31.196	-7	0.00002	0.00007	0.00092	0.454	0.000044
12:56:32.196	-7	0.00002	0.00004	0.00077	0.294	0.000029
12:56:33.196	-7	0.00002	0.00003	0.00077	0.211	0.000021
12:56:34.196	-7	0.00002	0.00002	0.00086	0.209	0.00002
12:56:35.196	-7	0.00002	0.00002	0.00088	0.253	0.000025
12:56:36.196	-7	0.00002	0.00005	0.00111	0.336	0.000033
12:56:37.196	-7	0.00002	0.00002	0.00151	0.482	0.000047
12:56:38.196	-7	0.00002	0.00005	0.00171	0.63	0.000061
12:56:39.196	-7	0.00002	0.00003	0.00151	0.662	0.000064
12:56:40.196	-7	0.00002	0.00004	0.00135	0.679	0.000066

14.2	8.00E-01	-0.400	1.000	0.000	0.841	14.000
14.1	8.00E-01	-0.500	1.000	0.000	0.822	9.000
11.9	8.00E-01	-0.400	1.000	0.000	0.797	13.200
12	1.10E+00	0.200	1.200	0.128	0.929	8.100
16.9	2.10E+00	1.400	1.200	1.130	0.943	7.700
17	2.30E+00	1.700	1.200	1.342	0.955	5.600
21.5	2.40E+00	1.700	1.200	1.380	0.974	3.300
21.5	2.10E+00	1.400	1.100	1.175	0.918	3.300
20.7	1.30E+00	0.400	1.100	0.372	0.919	1.000
20.7	9.00E-01	0.000	1.100	0.020	0.920	7.700
19.6	9.00E-01	-0.100	1.100	0.000	0.892	5.600
19.7	9.00E-01	-0.100	1.100	0.000	0.868	7.900
22.1	9.00E-01	-0.100	1.100	0.000	0.860	10.200
22.2	9.00E-01	-0.100	1.100	0.000	0.859	6.600
25.4	9.00E-01	-0.200	1.200	0.000	0.939	8.800
25.5	9.00E-01	-0.100	1.200	0.000	0.942	3.000
28.5	9.00E-01	0.000	1.200	0.000	0.947	6.500
28.5	9.00E-01	0.000	1.200	0.000	0.944	4.000
30.5	9.00E-01	0.000	1.200	0.000	0.941	6.400
30.5	9.00E-01	0.000	1.200	0.000	0.942	5.300
32.1	9.00E-01	0.000	1.200	0.000	0.949	6.100
32.1	1.00E+00	-0.100	1.200	0.000	0.968	12.900
31.8	1.00E+00	-0.300	1.200	0.000	0.981	9.000
31.8	1.00E+00	-0.400	1.200	0.000	0.960	17.100
31.8	9.00E-01	-0.400	1.200	0.000	0.939	16.700
31.8	9.00E-01	-0.400	1.200	0.000	0.929	15.500
33.4	9.00E-01	-0.400	1.200	0.000	0.930	12.500
33.4	9.00E-01	-0.400	1.200	0.000	0.934	10.000
35	9.00E-01	-0.400	1.200	0.000	0.939	10.800
35	9.00E-01	-0.300	1.200	0.000	0.947	5.900
35.9	1.00E+00	-0.300	1.300	0.000	1.025	9.000
35.9	1.00E+00	-0.300	1.300	0.000	1.038	6.000
36.2	1.00E+00	-0.300	1.200	0.000	0.961	7.100
36.2	1.00E+00	-0.300	1.200	0.000	0.968	8.400
35.9	1.00E+00	-0.300	1.200	0.000	0.979	7.400
35.8	1.00E+00	-0.300	1.200	0.000	0.989	9.300
33.1	1.00E+00	-0.300	1.200	0.000	1.000	5.000
33	9.00E-01	-0.500	1.100	0.000	0.936	9.400
26.5	1.00E+00	-0.500	1.200	0.000	1.004	5.200
26.2	1.00E+00	-0.500	1.200	0.000	1.017	4.700
19.4	9.00E-01	-0.500	1.100	0.000	0.932	4.000
19.1	9.00E-01	-0.500	1.100	0.000	0.930	3.400
9.8	1.00E+00	-0.500	1.200	0.000	0.998	7.700
9.8	1.00E+00	-0.500	1.200	0.000	1.005	3.000
8.1	1.00E+00	-0.500	1.200	0.000	1.000	7.700
8.1	1.00E+00	-0.500	1.200	0.000	0.996	5.200
8.6	1.10E+00	-0.500	1.300	0.000	1.067	6.700

1159	11.932	15.8	322.870317	270.829595
1790	12.728	77.7	322.146335	300.424149
2127	15.024	76.4	321.541908	330.018704
2115	17.845	71.6	320.915091	359.613258
1854	19.986	56.1	320.27911	361.849268
1547	21.11	25.7	318.860914	347.459024
1390	20.84	1.9	317.333902	333.06878
1268	19.754	6.6	316.597426	322.021852
1253	19.28	16	315.891513	317.407383
1702	19.845	78	315.321727	312.792915
1862	20.93	78.4	314.680672	308.178446
1960	22.717	75.8	313.669565	331.2005
2053	24.441	73	311.930435	354.7005
2013	26.132	73.1	310.542067	378.2005
1745	27.354	71	309.776433	385.761696
1567	28.394	68.9	309.6	388.905624
1616	29.521	71.2	309.306534	392.049553
1667	30.622	74.4	308.637226	392.38256
1708	31.61	64.9	307.758726	386.631169
1725	31.633	42.2	306.442898	380.879777
1699	31.07	17	305.120527	375.051391
1701	31.05	55.9	304.485517	368.361042
1703	31.05	78.1	303.882069	361.670693
1727	31.433	86.5	303.8	354.980343
1767	32.283	83.6	303.8	363.472
1814	33.465	78.3	303.8	378.347
1860	34.434	76.9	303.321986	393.222
1766	34.987	72	303	398.603647
1544	35.4	62.5	303	394.642628
1491	35.526	55.9	303	390.68161
1478	36.02	48.9	302.772079	383.242311
1445	36.003	37.2	302.3	368.512625
1435	35.4	27.1	302.1082	353.782939
1415	35.276	0	301.6	339.150135
1369	34.206	0	301.271053	324.834471
1260	31.429	0	300.1	310.518808
1336	28.094	0	300.1	296.203145
1240	24.418	0.3	299.501189	287.032555
1193	20.981	1.8	298.926079	278.465576
1099	16.501	9.2	298.8	269.898598
1038	12.044	18.4	298.334835	265.685962
1004	9.135	25.3	298.1	263.475687
934	8.556	26	298.1	261.265412
907	8.185	22.6	298.1	259.588304
973	8.723	25.7	298.1	258.960126
1028	9.292	27.8	298.1	258.331947
1068	9.31	35.7	298.1	257.703769

2.44105	0.47038	12.45835	15696.139
2.44111	0.47059	12.46685	15699.401
2.4412	0.47103	12.48047	15707.553
2.44132	0.4713	12.49124	15717.694
2.44149	0.47149	12.49633	15725.063
2.44161	0.47158	12.49872	15729.124
2.44169	0.47162	12.49996	15731.063
2.44175	0.47165	12.50079	15732.073
2.44179	0.47166	12.50194	15732.846
2.44184	0.47178	12.50559	15734.084
2.4419	0.47189	12.51273	15737.784
2.44197	0.47208	12.52135	15744.237
2.44205	0.47235	12.52608	15752.402
2.44213	0.47253	12.52989	15760.971
2.44221	0.47275	12.53401	15768.545
2.44228	0.47281	12.53812	15774.76
2.44234	0.47294	12.54231	15780.059
2.4424	0.47301	12.54673	15785.334
2.44245	0.47312	12.55063	15790.458
2.4425	0.4732	12.55381	15794.933
2.44254	0.47328	12.55593	15798.241
2.44257	0.47342	12.55707	15800.357
2.44261	0.47352	12.55854	15802.092
2.44266	0.47378	12.56312	15805.598
2.44272	0.47411	12.56872	15811.642
2.44279	0.47446	12.57329	15819.164
2.44286	0.47476	12.57604	15827.082
2.44293	0.475	12.5788	15834.739
2.44299	0.47521	12.58228	15840.617
2.44304	0.47531	12.58561	15845.134
2.44308	0.47543	12.58786	15848.396
2.44312	0.47549	12.5901	15850.834
2.44315	0.47555	12.59197	15852.67
2.44317	0.47561	12.59354	15854.211
2.44319	0.47567	12.59481	15855.436
2.44321	0.47573	12.59588	15856.329
2.44323	0.47577	12.59687	15856.981
2.44325	0.47584	12.59779	15857.435
2.44327	0.47588	12.59856	15857.729
2.44329	0.47591	12.59933	15857.94
2.44331	0.47593	12.60019	15858.149
2.44333	0.47595	12.60107	15858.402
2.44335	0.476	12.60218	15858.738
2.44337	0.47602	12.60369	15859.22
2.44339	0.47607	12.6054	15859.85
2.44341	0.4761	12.60691	15860.512
2.44343	0.47614	12.60826	15861.191

12:56:41.196	-7	0.00002	0.00004	0.00135	0.712	0.000069
12:56:42.196	-7	0.00002	0.00004	0.00166	0.751	0.000073
12:56:43.196	-7	0.00002	0.00004	0.00161	0.764	0.000074
12:56:44.196	-7	0.00002	0.00003	0.00164	0.77	0.000075
12:56:45.196	-7	0.00002	0.00005	0.00167	0.735	0.000071
12:56:46.196	-7	0.00002	0.00003	0.00166	0.689	0.000067
12:56:47.196	-7	0.00002	0.00004	0.00176	0.704	0.000068
12:56:48.196	-7	0.00002	0.00003	0.00165	0.744	0.000072
12:56:49.196	-7	0.00002	0.00002	0.00155	0.81	0.000079
12:56:50.196	-7	0.00003	0.00005	0.00195	1.01	0.000098
12:56:51.196	-7	0.00002	0.00002	0.00203	1.105	0.000107
12:56:52.196	-7	0.00002	0.00005	0.00189	1.151	0.000112
12:56:53.196	-7	0.00002	0.00003	0.00175	1.265	0.000123
12:56:54.196	-7	0.00002	0.00005	0.00153	1.311	0.000127
12:56:55.196	-7	0.00002	0.00005	0.00151	1.384	0.000134
12:56:56.196	-7	0.00002	0.00004	0.00158	1.336	0.000129
12:56:57.196	-7	0.00002	0.00007	0.00159	1.201	0.000116
12:56:58.196	-7	0.00002	0.00003	0.00161	1.23	0.000119
12:56:59.196	-7	0.00002	0.00005	0.00156	1.305	0.000126
12:57:00.196	-7	0.00002	0.00003	0.00172	1.447	0.00014
12:57:01.196	-7	0.00003	0.00006	0.00201	1.682	0.000163
12:57:02.196	-7	0.00003	0.00005	0.00222	1.807	0.000175
12:57:03.196	-7	0.00003	0.00005	0.00222	1.947	0.000189
12:57:04.196	-7	0.00004	0.00012	0.00283	3.074	0.000297
12:57:05.196	-7	0.00005	0.0001	0.00278	3.93	0.00038
12:57:06.196	-7	0.00005	0.00018	0.00452	4.983	0.000482
12:57:07.196	-7	0.00005	0.00012	0.00322	5.243	0.000506
12:57:08.196	-7	0.00005	0.00014	0.00248	4.848	0.000468
12:57:09.196	-7	0.00004	0.00012	0.00176	4.062	0.000392
12:57:10.196	-7	0.00004	0.00009	0.00129	3.037	0.000294
12:57:11.196	-7	0.00003	0.0001	0.00129	1.986	0.000192
12:57:12.196	-7	0.00002	0.00006	0.00145	1.724	0.000167
12:57:13.196	-7	0.00003	0.00008	0.00183	1.755	0.00017
12:57:14.196	-7	0.00003	0.00005	0.00207	1.887	0.000183
12:57:15.196	-7	0.00003	0.00009	0.00199	2.072	0.000201
12:57:16.196	-7	0.00003	0.00006	0.00183	2.261	0.000219
12:57:17.196	-7	0.00003	0.00003	0.00178	2.322	0.000225
12:57:18.196	-7	0.00003	0.00005	0.00152	2.197	0.000213
12:57:19.196	-7	0.00003	0.00005	0.00167	2.039	0.000197
12:57:20.196	-7	0.00003	0.00007	0.00133	1.866	0.000181
12:57:21.196	-7	0.00002	0.00004	0.00117	1.519	0.000147
12:57:22.196	-7	0.00002	0.00005	0.00134	1.309	0.000127
12:57:23.196	-7	0.00002	0.00004	0.00144	1.242	0.00012
12:57:24.196	-7	0.00002	0.00005	0.00115	1.163	0.000113
12:57:25.196	-7	0.00002	0.00007	0.00132	1.173	0.000114
12:57:26.196	-7	0.00003	0.00003	0.00199	1.289	0.000125
12:57:27.196	-7	0.00003	0.00007	0.00236	1.439	0.00014

8.6	1.10E+00	-0.500	1.300	0.000	1.075	6.100
9.3	1.10E+00	-0.500	1.300	0.000	1.073	6.100
9.3	1.10E+00	-0.500	1.300	0.000	1.073	6.300
8.4	1.10E+00	-0.500	1.300	0.000	1.074	4.300
8.4	1.10E+00	-0.500	1.300	0.000	1.076	7.700
6.9	1.10E+00	-0.500	1.300	0.000	1.077	5.000
6.8	1.10E+00	-0.500	1.300	0.000	1.077	6.200
2.9	1.10E+00	-0.500	1.300	0.000	1.075	5.300
2.8	1.10E+00	-0.500	1.300	0.000	1.072	3.200
0	1.10E+00	-0.500	1.300	0.000	1.068	7.100
0	1.10E+00	-0.500	1.300	0.000	1.062	3.400
0	1.10E+00	-0.500	1.300	0.000	1.057	8.200
0	1.10E+00	-0.500	1.300	0.000	1.051	4.300
0	1.00E+00	-0.500	1.300	0.000	1.049	7.100
0	1.00E+00	-0.500	1.300	0.000	1.050	6.700
0	1.10E+00	-0.400	1.300	0.000	1.052	6.200
0.1	1.10E+00	-0.500	1.300	0.000	1.055	10.500
2.1	1.10E+00	-0.500	1.300	0.000	1.053	4.700
2.1	1.10E+00	-0.500	1.300	0.000	1.051	7.300
1	1.00E+00	-0.500	1.200	0.000	0.980	3.600
1	1.00E+00	-0.400	1.200	0.000	0.970	7.000
2.6	1.00E+00	-0.400	1.200	0.000	0.969	5.900
2.7	1.00E+00	-0.400	1.200	0.000	0.965	5.000
5.6	1.00E+00	-0.400	1.200	0.000	0.959	9.300
5.6	1.00E+00	-0.400	1.200	0.000	0.953	6.300
7.7	9.00E-01	-0.400	1.200	0.000	0.944	10.300
7.8	9.00E-01	-0.400	1.200	0.000	0.938	6.900
11.7	9.00E-01	-0.400	1.200	0.000	0.938	8.700
11.8	9.00E-01	-0.400	1.200	0.000	0.944	8.700
14.4	1.00E+00	-0.400	1.200	0.000	0.951	8.100
14.4	1.00E+00	-0.400	1.200	0.000	0.957	12.400
15.2	1.00E+00	-0.400	1.200	0.000	0.962	7.500
15.2	1.00E+00	-0.400	1.200	0.000	0.965	9.700
15.1	1.00E+00	-0.400	1.200	0.000	0.966	5.300
15.1	1.00E+00	-0.500	1.200	0.000	0.962	9.100
15.2	1.00E+00	-0.600	1.200	0.000	0.958	6.200
15.2	1.00E+00	-0.700	1.200	0.000	0.955	3.400
15.4	1.00E+00	-0.700	1.300	0.000	1.034	5.300
15.4	1.00E+00	-0.700	1.300	0.000	1.035	6.400
15.3	1.00E+00	-0.700	1.300	0.000	1.039	8.600
15.3	1.00E+00	-0.700	1.200	0.000	0.976	5.400
15.2	1.00E+00	-0.700	1.200	0.000	0.969	8.100
15.2	1.00E+00	-0.700	1.200	0.000	0.970	6.300
14.5	1.00E+00	-0.700	1.200	0.000	0.975	7.700
14.5	1.00E+00	-0.700	1.200	0.000	0.981	9.000
13.3	1.00E+00	-0.700	1.200	0.000	0.987	3.400
13.3	1.00E+00	-0.700	1.200	0.000	0.985	6.800

1033	9.31	26.7	298.1	255.370804
956	8.818	22.3	298.1	253.027549
867	7.772	25.5	298.1	250.684294
832	7.067	29	298.1	249.974416
831	5.56	30.2	297.611226	249.584961
793	3.547	33.5	297.801385	249.195506
758	1.874	39.3	298.1	250.165834
783	0.486	43	298.1	252.506865
775	0	44	298.1	254.847896
800	0.115	47.5	298.1	257.439786
889	0.62	47.6	298.1	260.525203
806	0.534	42	298.1	263.61062
783	0	43.2	298.1	265.9
780	0	42.1	298.1	265.9
812	0	52.5	298.1	265.9
889	1.486	45.4	298.1	265.9
818	1.451	41.1	298.1	266.432938
775	0.902	43.7	298.1	267.026409
774	0.899	43.1	298.1	267.619881
853	1.653	48	298.1	268.765574
1057	2.784	62.5	298.418978	270.404918
1239	4.39	65.5	298.8	272.044262
1271	5.59	57.4	299.180617	275.929346
1461	6.243	62.9	299.4	281.735184
1673	8.264	73.9	299.731478	287.541022
1661	10.457	74.9	300.95064	295.547762
1724	12.431	72.3	302.482778	307.040687
1675	13.559	56.6	303	318.533612
1731	14.173	51.5	303	330.026538
1379	14.712	45	303.7752	323.3097
1200	14.516	47.8	303.179343	315.095089
1182	14.28	52.3	303	306.880479
1196	14.28	53.1	302.531469	302.734978
1226	14.28	52.4	302.3	301.030942
1264	14.427	52.3	302.031752	299.326906
1277	14.9	52.5	301.6	297.496923
1301	14.9	52.5	301.332057	295.343077
1198	14.9	39.8	300.135885	293.189231
1181	14.9	41.9	299.4	290.956
1195	14.9	41	299.366002	286.156
1106	14.9	31.8	298.887151	281.356
1031	14.49	25.8	298.224523	276.556
978	13.629	24.9	298.1	270.899464
1012	12.791	28.9	297.660677	265.00134
1259	12.193	48.4	297.036636	259.103217
1506	11.949	63.1	296.443324	257.642284
1494	12.42	51.3	295.686262	262.233973

2.44345	0.47618	12.60961	15861.903
2.44347	0.47622	12.61127	15862.654
2.44349	0.47626	12.61288	15863.418
2.44351	0.47629	12.61452	15864.188
2.44353	0.47634	12.61619	15864.923
2.44355	0.47637	12.61785	15865.612
2.44357	0.47641	12.61961	15866.316
2.44359	0.47644	12.62126	15867.06
2.44361	0.47646	12.62281	15867.87
2.44364	0.47651	12.62476	15868.88
2.44366	0.47653	12.62679	15869.985
2.44368	0.47658	12.62868	15871.136
2.4437	0.47661	12.63043	15872.401
2.44372	0.47666	12.63196	15873.712
2.44374	0.47671	12.63347	15875.096
2.44376	0.47675	12.63505	15876.432
2.44378	0.47682	12.63664	15877.633
2.4438	0.47685	12.63825	15878.863
2.44382	0.4769	12.63981	15880.168
2.44384	0.47693	12.64153	15881.615
2.44387	0.47699	12.64354	15883.297
2.4439	0.47704	12.64576	15885.104
2.44393	0.47709	12.64798	15887.051
2.44397	0.47721	12.65081	15890.125
2.44402	0.47731	12.65359	15894.055
2.44407	0.47749	12.65811	15899.038
2.44412	0.47761	12.66133	15904.281
2.44417	0.47775	12.66381	15909.129
2.44421	0.47787	12.66557	15913.191
2.44425	0.47796	12.66686	15916.228
2.44428	0.47806	12.66815	15918.214
2.4443	0.47812	12.6696	15919.938
2.44433	0.4782	12.67143	15921.693
2.44436	0.47825	12.6735	15923.58
2.44439	0.47834	12.67549	15925.652
2.44442	0.4784	12.67732	15927.913
2.44445	0.47843	12.6791	15930.235
2.44448	0.47848	12.68062	15932.432
2.44451	0.47853	12.68229	15934.471
2.44454	0.4786	12.68362	15936.337
2.44456	0.47864	12.68479	15937.856
2.44458	0.47869	12.68613	15939.165
2.4446	0.47873	12.68757	15940.407
2.44462	0.47878	12.68872	15941.57
2.44464	0.47885	12.69004	15942.743
2.44467	0.47888	12.69203	15944.032
2.4447	0.47895	12.69439	15945.471

12:57:28.196	-7	0.00003	0.00007	0.00248	2.061	0.0002
12:57:29.196	-7	0.00003	0.00013	0.00226	2.169	0.00021
12:57:30.196	-7	0.00003	0.00011	0.00158	1.981	0.000192
12:57:31.196	-7	0.00003	0.00009	0.00139	1.609	0.000156
12:57:32.196	-7	0.00002	0.0001	0.00101	1.162	0.000113
12:57:33.196	-7	0.00002	0.00006	0.00088	0.872	0.000084
12:57:34.196	-7	0.00003	0.00008	0.00113	0.769	0.000075
12:57:35.196	-7	0.00002	0.00003	0.00151	0.828	0.00008
12:57:36.196	-7	0.00002	0.00006	0.00205	1.122	0.000109
12:57:37.196	-7	0.00002	0.00006	0.00191	1.297	0.000126
12:57:38.196	-7	0.00002	0.00007	0.00119	1.243	0.00012
12:57:39.196	-7	0.00002	0.00007	0.00095	1.014	0.000098
12:57:40.196	-7	0.00002	0.00003	0.00126	0.909	0.000088
12:57:41.196	-7	0.00002	0.00005	0.00141	0.878	0.000085
12:57:42.196	-7	0.00002	0.00001	0.00143	0.812	0.000079
12:57:43.196	-7	0.00002	0.00002	0.00139	0.846	0.000082
12:57:44.196	-7	0.00002	0.00001	0.00148	0.926	0.00009
12:57:45.196	-7	0.00002	0.00002	0.00148	1.073	0.000104
12:57:46.196	-7	0.00002	0.00004	0.00128	1.039	0.000101
12:57:47.196	-7	0.00002	0.00001	0.00127	0.934	0.000091
12:57:48.196	-7	0.00002	0.00005	0.0015	0.927	0.00009
12:57:49.196	-7	0.00002	0.00002	0.00152	0.924	0.00009
12:57:50.196	-7	0.00002	0.00004	0.00154	0.93	0.00009
12:57:51.196	-7	0.00002	0.00003	0.00163	1.031	0.0001
12:57:52.196	-7	0.00002	0.00003	0.00151	1.108	0.000107
12:57:53.196	-7	0.00002	0.00004	0.00128	1.089	0.000106
12:57:54.196	-7	0.00002	0.00004	0.00149	1.11	0.000108
12:57:55.196	-7	0.00002	0.00007	0.00147	1.185	0.000115
12:57:56.196	-7	0.00002	0.00004	0.00142	1.183	0.000115
12:57:57.196	-7	0.00002	0.00006	0.00139	1.182	0.000115
12:57:58.196	-7	0.00002	0.00004	0.00142	1.124	0.000109
12:57:59.196	-7	0.00002	0.00005	0.00148	0.975	0.000095
12:58:00.196	-7	0.00002	0.00005	0.00129	0.863	0.000084
12:58:01.196	-7	0.00002	0.00002	0.00078	0.49	0.000048
12:58:02.196	-7	0.00001	0.00003	0.00039	0.16	0.000016
12:58:03.196	-7	0.00001	0.00001	0.00029	0.035	0.000003
12:58:04.196	-7	0	0.00001	0.0001	0.005	0.000001
12:58:05.196	-7	0	0	0	0	0
12:58:06.196	-7	0	0	0	0	0
12:58:07.196	-7	0	0	0	0	0
12:58:08.196	-7	0	0	0	0	0
12:58:09.196	-7	0	0	0	0	0
12:58:10.196	-7	0	0	0	0	0
12:58:11.196	-7	0	0	0	0	0
12:58:12.196	-7	0	0	0	0	0
12:58:13.196	-7	0	0	0	0	0
12:58:14.196	-7	0	0	0	0	0

12.8	9.00E-01	-0.700	1.100	0.000	0.901	6.500
12.8	1.00E+00	-0.700	1.200	0.000	0.955	12.400
13.1	1.00E+00	-0.700	1.200	0.000	0.963	12.000
13.1	1.00E+00	-0.700	1.200	0.000	0.968	11.500
12	1.00E+00	-0.600	1.200	0.000	0.980	13.700
12	1.00E+00	-0.600	1.200	0.000	0.992	8.400
9.8	1.00E+00	-0.600	1.200	0.000	0.998	9.700
9.8	1.00E+00	-0.600	1.200	0.000	0.993	3.600
10.2	1.00E+00	-0.600	1.200	0.000	0.981	7.900
10.2	1.00E+00	-0.600	1.200	0.000	0.972	7.900
10.2	1.00E+00	-0.600	1.200	0.000	0.973	9.800
10.2	1.00E+00	-0.600	1.200	0.000	0.982	10.300
9.2	1.00E+00	-0.600	1.200	0.000	0.988	4.700
9.2	1.00E+00	-0.600	1.200	0.000	0.990	7.300
8.7	1.00E+00	-0.600	1.200	0.000	0.991	1.900
8.7	1.00E+00	-0.600	1.200	0.000	0.988	3.800
9.2	1.00E+00	-0.600	1.200	0.000	0.983	2.300
9.1	1.00E+00	-0.600	1.200	0.000	0.978	3.800
7	1.00E+00	-0.600	1.200	0.000	0.981	5.900
7	1.00E+00	-0.600	1.200	0.000	0.984	2.000
4.7	1.00E+00	-0.600	1.200	0.000	0.985	7.200
4.6	1.00E+00	-0.600	1.200	0.000	0.985	2.500
0	1.00E+00	-0.600	1.200	0.000	0.986	6.100
0	1.00E+00	-0.600	1.200	0.000	0.984	3.800
0	1.00E+00	-0.600	1.200	0.000	0.979	4.200
0.1	1.00E+00	-0.600	1.300	0.000	1.049	6.200
2.5	1.10E+00	-0.600	1.300	0.000	1.059	6.400
2.4	1.10E+00	-0.600	1.300	0.000	1.058	10.000
0	1.10E+00	-0.600	1.300	0.000	1.057	5.600
0	1.10E+00	-0.500	1.300	0.000	1.057	9.700
0	1.10E+00	-0.500	1.300	0.000	1.059	6.900
0	1.10E+00	-0.500	1.300	0.000	1.066	7.700
0	1.10E+00	-0.500	1.300	0.000	1.072	7.000
0	1.10E+00	-0.500	1.300	0.000	1.083	4.300
0	1.10E+00	-0.500	1.300	0.000	1.099	9.200
0	1.10E+00	-0.500	1.300	0.000	1.108	6.500
0	1.10E+00	-0.500	1.300	0.000	1.107	11.100
0	1.10E+00	-0.500	1.300	0.000	1.107	9.000
0	1.10E+00	-0.500	1.300	0.000	1.108	9.500
0	1.10E+00	-0.500	1.300	0.000	1.108	11.200
0	1.10E+00	-0.500	1.300	0.000	1.108	12.000
0	1.10E+00	-0.500	1.300	0.000	1.108	12.000
0	1.10E+00	-0.500	1.300	0.000	1.108	6.200
0	1.10E+00	-0.500	1.300	0.000	1.108	8.500
0	1.10E+00	-0.600	1.300	0.000	1.109	6.300
0	1.10E+00	-0.600	1.300	0.000	1.109	6.500
0	1.10E+00	-0.700	1.300	0.000	1.109	8.500

1515	12.42	50.2	294.7	266.825661
1454	12.42	39.8	294.66594	271.41735
1301	11.999	18.1	293.303542	264.231753
1174	11.102	14.5	292.687886	256.830279
1073	10.141	18	292.5	249.428805
1165	9.463	47.4	291.749291	249.838619
1249	9.747	53.8	291.19811	251.509489
1140	9.561	33.7	290.647938	253.180359
1021	9.009	24.8	289.56879	250.887336
973	8.69	24.8	288.718621	246.805095
965	8.69	24.9	288.099636	242.722855
957	8.589	26.5	287.504211	239.87305
931	8.07	27.7	287.1	239.491818
1038	8.07	49.4	287.05363	239.110587
1047	8.579	45.9	286.418421	238.729355
984	8.294	33	285.782652	237.841645
869	7.131	33.1	285.212019	236.911683
817	5.687	36.5	284.262899	235.98172
828	4.792	34.4	283.366213	235.5
800	4.137	33.3	282.764631	235.5
756	1.871	42.8	282.196367	235.5
772	0.739	43.1	281.6	235.545728
742	0.179	41.6	281.6	237.533924
784	0.926	41.2	281.6	239.522119
786	2.125	43	281.087819	241.510314
780	2.114	43.5	280.462273	242.39759
780	1.152	43.3	280.3	243.016482
792	0.24	42.6	279.759281	243.635375
774	0	33.9	279.6	241.684653
774	0	28.1	278.538131	238.802708
776	0	27.8	278.3	235.920764
782	0	28.2	277.497778	
781	0	28.6	276.942222	

2.44473	0.47902	12.69687	15947.532
2.44476	0.47915	12.69913	15949.701
2.44479	0.47926	12.70071	15951.682
2.44482	0.47935	12.7021	15953.291
2.44484	0.47945	12.70311	15954.453
2.44486	0.47951	12.70399	15955.325
2.44489	0.47959	12.70512	15956.094
2.44491	0.47962	12.70663	15956.922
2.44493	0.47968	12.70868	15958.044
2.44495	0.47974	12.71059	15959.341
2.44497	0.47981	12.71178	15960.584
2.44499	0.47988	12.71273	15961.598
2.44501	0.47991	12.71399	15962.507
2.44503	0.47996	12.7154	15963.385
2.44505	0.47997	12.71683	15964.197
2.44507	0.47999	12.71822	15965.043
2.44509	0.48	12.7197	15965.969
2.44511	0.48002	12.72118	15967.042
2.44513	0.48006	12.72246	15968.081
2.44515	0.48007	12.72373	15969.015
2.44517	0.48012	12.72523	15969.942
2.44519	0.48014	12.72675	15970.866
2.44521	0.48018	12.72829	15971.796
2.44523	0.48021	12.72992	15972.827
2.44525	0.48024	12.73143	15973.935
2.44527	0.48028	12.73271	15975.024
2.44529	0.48032	12.7342	15976.134
2.44531	0.48039	12.73567	15977.319
2.44533	0.48043	12.73709	15978.502
2.44535	0.48049	12.73848	15979.684
2.44537	0.48053	12.7399	15980.808
2.44539	0.48058	12.74138	15981.783
2.44541	0.48063	12.74267	15982.646
2.44543	0.48065	12.74345	15983.136
2.44544	0.48068	12.74384	15983.296
2.44545	0.48069	12.74413	15983.331
2.44545	0.4807	12.74423	15983.336
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2.44545	0.4807	12.74423	15983.336
2.44545	0.4807	12.74423	15983.336
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2.44545	0.4807	12.74423	15983.336
2.44545	0.4807	12.74423	15983.336
2.44545	0.4807	12.74423	15983.336
2.44545	0.4807	12.74423	15983.336
2.44545	0.4807	12.74423	15983.336
2.44545	0.4807	12.74423	15983.336