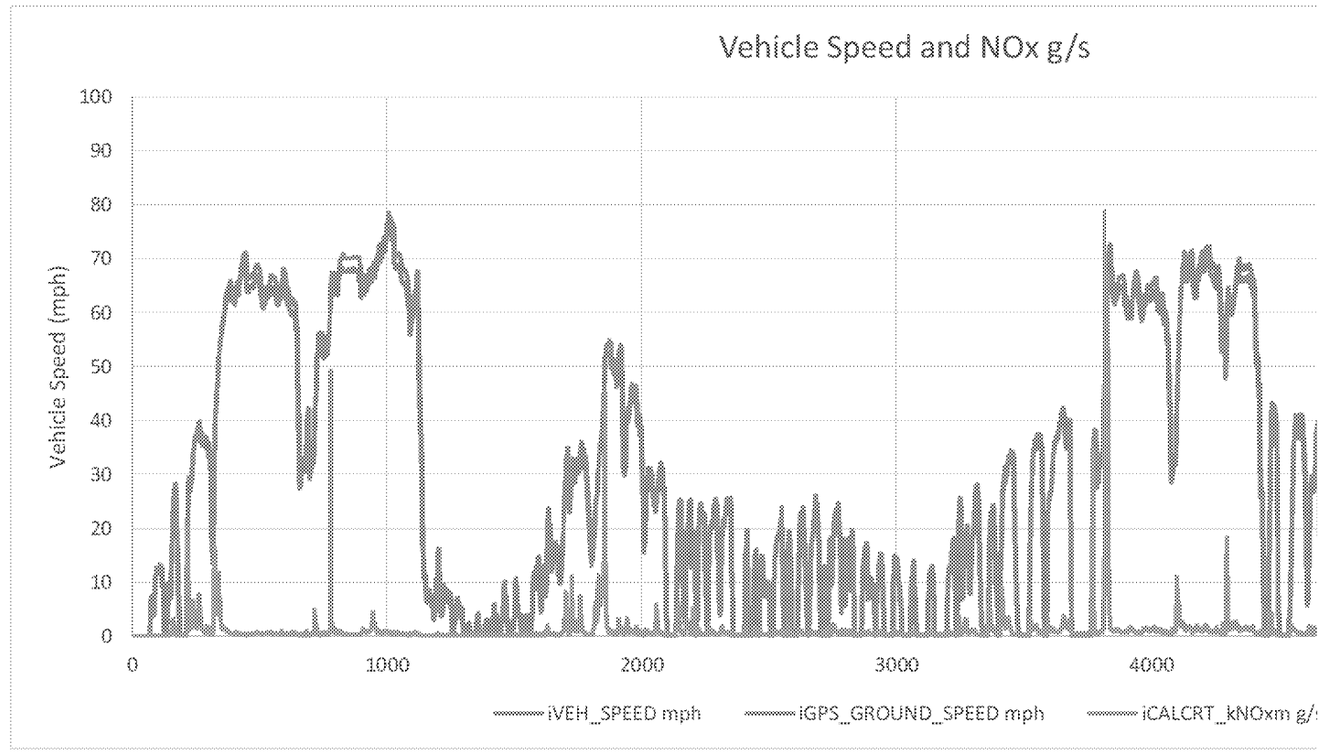
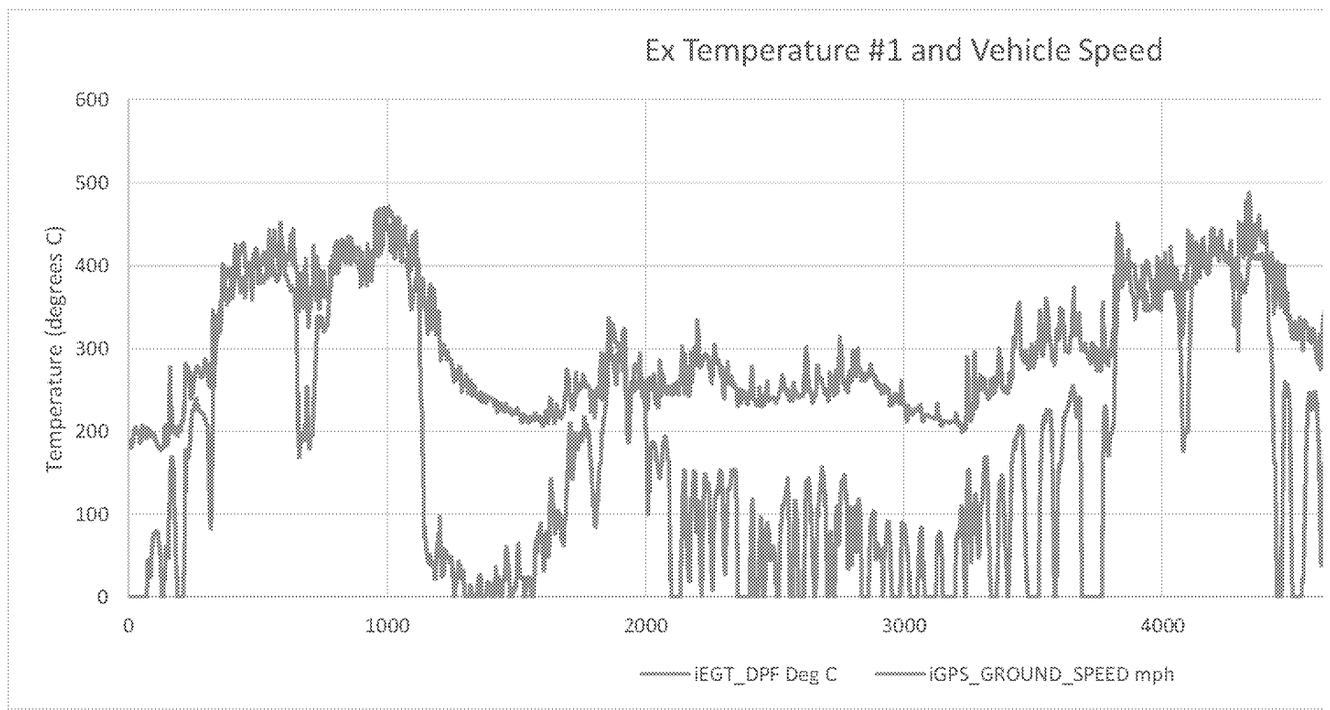
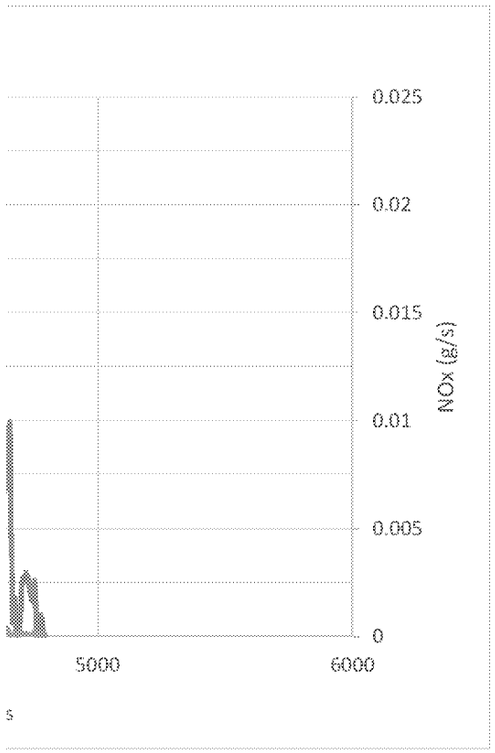
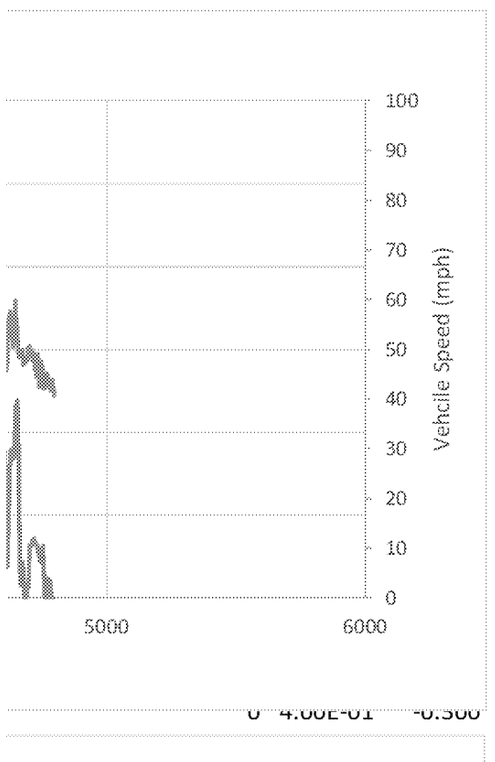
Test Duration (s)	4797
Calculated Test Duration (s)	4797
Average Ambient Temperature (deg C)	-8.92
Calculated Average Ambient Temperature (deg C)	-8.92
Total Distance Traveled (mi)	37.480
Calculated Total Distance Traveled (mi)	38.867
Total Fuel Consumed (gal)	1.776
Calculated Total Fuel Consumed (gal)	1.776
Overall Fuel Economy (mpg)	21.11
Calculated Overall Fuel Economy (mpg)	21.89
CO2 (g)	18362.82
Calculated CO2 (g)	18362.82
CO (g)	11.553
Calculated CO (g)	11.553
kNOx (g) (corrected NOx)	1.381
Calculated kNOx (g) (corrected NOx)	1.381
THC (g)	1.848
Calculated THC (g)	1.848
CO2 (g/mi)	489.9
Calculated CO2 (g/mi)	472.5
CO (g/mi)	0.308
Calculated CO (g/mi)	0.297
kNOx (g/mi) (corrected NOx)	0.037
Calculated kNOx (g/mi) (corrected NOx)	0.036
THC (g/mi)	0.049
Calculated THC (g/mi)	0.048
1st Measured ECT (deg)	175.9
Test Start Time	10:13:21.351
Test Stop Time	11:33:17.351
Average Speed (mph)	29.2
Regeneration Event?	No
Average SCR temp (deg)	302.9
Test Date	12/29/2017
Vehicle	2012 Audi Q7 Black

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
10:13:21.351	-9	0.00001	0.00006	0.00082	0.715	0.000069



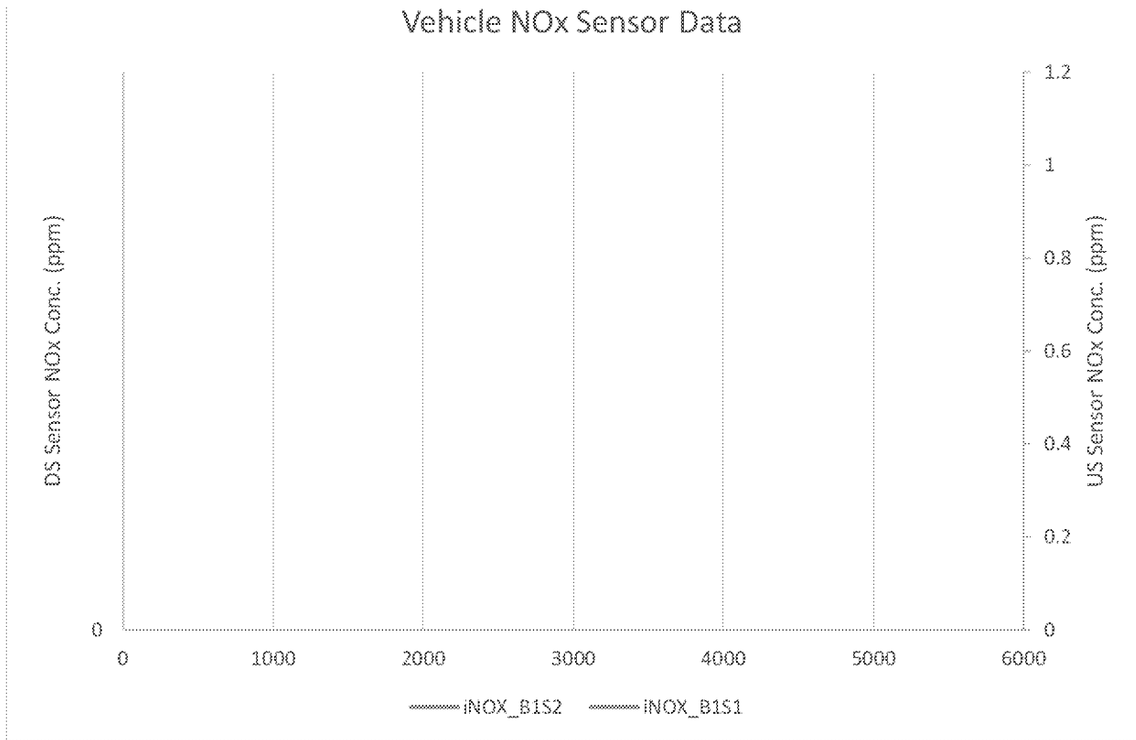


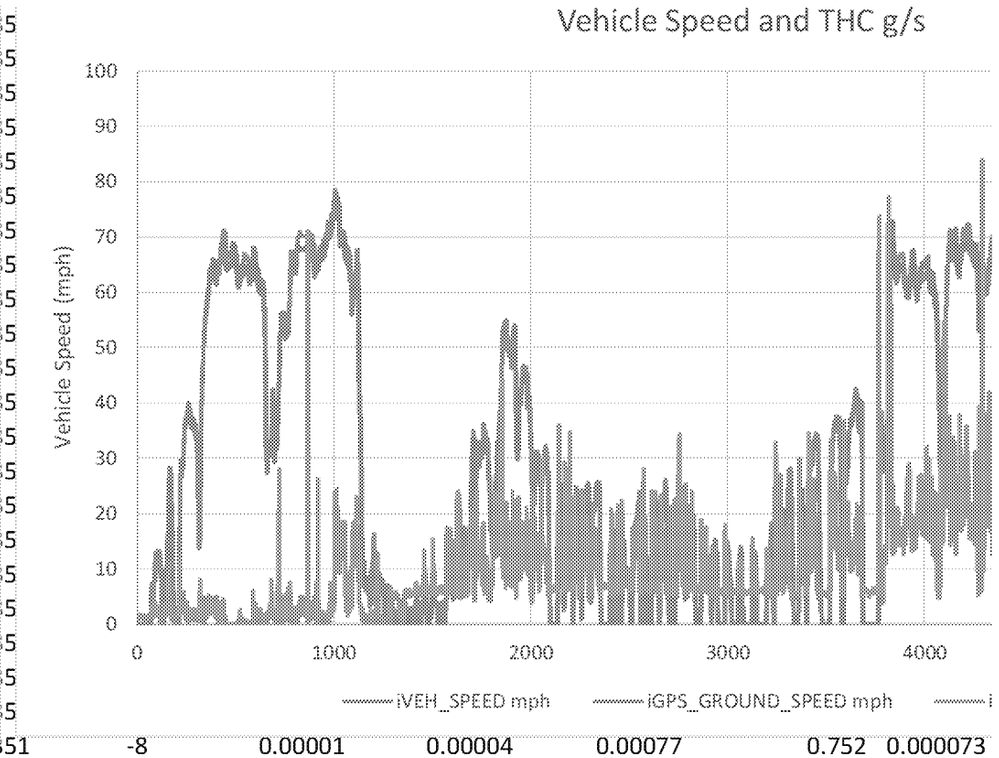




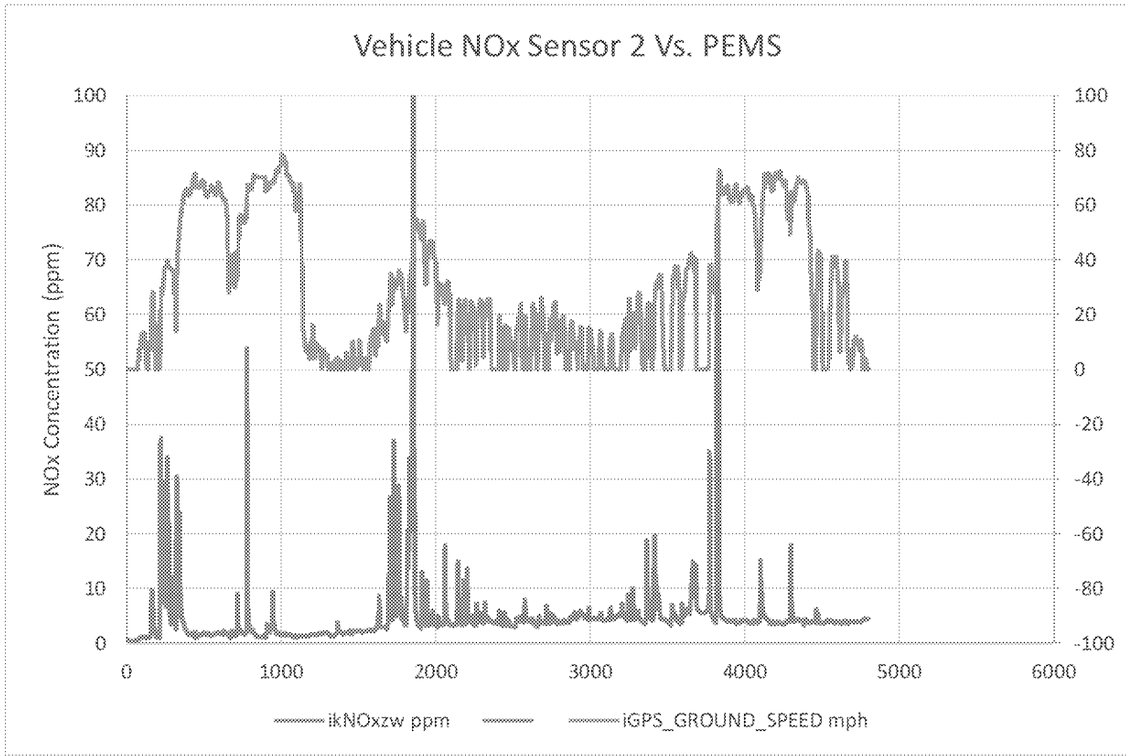
iGPS_GROUND_SPEED	ikNOxzw	iNDUV_NO	iNDUV_NO2	ikNOzw	ikNO2zw	iFID_THC	iCOOL_TEMP	iMAF	iENG_SPEED	iVEH_SPEED	iENG_LOAD	iEGT_DPF	iEGT_11	iNOX_B1S1
mph	ppm	ppm	ppm	ppm	ppm	ppmC	ECT deg F	g/s	rpm	mph	%	Deg C	Deg C	
0	0.70	0.300	0.500	0.250	0.417	8.900		12.97043	777	0	36.6	181.138068	167.689882	
			0.500	0.249	0.415	7.000		12.812	780	0	35.9	183.095704	167.5	
			0.500	0.249	0.415	10.100		12.6307	779	0	36.7	185.57362	166.607441	
			0.500	0.249	0.414	6.600		12.20732	778	0	37.6	186.268242	165.915362	
			0.500	0.167	0.415	9.200	175.9	12.04676	782	0	38.3	189.55407	165.8	
			0.500	0.083	0.415	9.100	175.5	11.33	770	0	42.8	187.308355	165.216667	
			0.500	0.083	0.415	8.000	175.1	11.49079	777	0	46.2	186.105263	165.8	
			0.500	0.083	0.415	10.100	174.7	11.53944	775	0	45.5	180.236981	165.8	
			0.500	0.083	0.415	8.700	174.2	11.75371	784	0	45.8	180.565164	165.8	
			0.500	0.083	0.414	11.000	174.2	11.8	783	0	42.3	180.899479	166.0124	
			0.500	0.083	0.414	8.100	174.2	11.81165	780	0	42.5	182.046939	166.19156	
			0.500	0.083	0.414	11.400	174.2	11.63067	776	0	43.4	182.428092	165.590625	
			0.500	0.083	0.414	9.900	174.2	11.83634	784	0	42.1	184.967925	165.2	
			0.600	0.083	0.496	13.000	174.2	11.79913	779	0	41.6	187.973055	165.2	
			0.600	0.083	0.497	12.800	173.8	11.74059	778	0	42	188.411224	165.2	
			0.600	0.000	0.497	10.600	173.4	11.69	778	0	42.3	188.300385	164.894059	
			0.600	0.000	0.497	12.600	173.1	11.896	782	0	40.8	188.043367	164.6	
			0.600	0.000	0.497	8.300	172.7	11.75694	781	0	42.7	189.553675	164.267742	
			0.500	0.000	0.414	10.500	172.5	11.65829	777	0	41.4	195.581503	164.386139	
			0.500	0.000	0.414	8.100	172.8	11.83184	782	0	42.1	198.947744	164.6	
			0.500	0.000	0.414	8.300	173.2	11.8388	777	0	41.4	202.6625	164.107073	
			0.500	0.000	0.414	9.700	173.6	11.71356	779	0	41.3	203.233267	164	
			0.500	0.000	0.415	8.400	174	11.72097	782	0	41.4	203.916827	164	
			0.500	0.000	0.415	10.600	174.2	11.78346	774	0	41.2	204.528462	164	
			0.500	0.000	0.415	7.400	174.2	11.9571	783	0	41.3	204.502404	164	
			0.500	0.000	0.415	10.700	174.2	11.63	779	0	40.9	204.504319	164	
			0.500	0.000	0.415	8.500	174.2	11.86576	780	0	40.1	201.386	164	
			0.500	0.000	0.415	8.100	174.2	11.72451	783	0	40.2	201.006154	164	
			0.500	0.000	0.415	10.200		11.57107	775	0	40.2	198.652556	163.338539	
			0.500	0.000	0.415	8.100		11.69852	782	0	40.8	199.051351	163.961569	
			0.500	0.000	0.415	11.000		11.5475	775	0	40.4	199.769583	163.3	
			0.500	0.000	0.415	7.000		11.80831	777	0	40.9	199.139059	163.339466	
			0.500	0.000	0.415	9.600		11.79329	782	0	40.7	199.970732	163.968182	
			0.500	0.000	0.415	7.300	174	11.69773	775	0	41.2	200.36499	163.3	
			0.500	0.000	0.415	7.400	173.6	11.72763	785	0	41.3	200.411321	163.3	
			0.500	0.000	0.415	6.800	173.3	11.86025	776	0	40.6	200.538655	163.3	
			0.500	0.000	0.415	4.800	172.9	11.76483	778	0	41.2	199.493788	163.3	
			0.500	0.000	0.415	8.500	172.5	11.82266	787	0	39.9	197.237203	163.3	
			0.500	0.000	0.415	6.700	172.4	11.63591	777	0	40.6	194.938831	163.3	
			0.500	0.000	0.415	9.600	172.4	11.57636	780	0	41.8	194.746458	163.3	
			0.500	0.000	0.414	2.700	172.4	11.75895	784	0	39.9	195.146347	163.191848	
			0.500	0.000	0.414	5.400	172.4	11.71246	775	0	40.4	186.121113	162.7	
			0.500	0.000	0.414	7.300	172.4	11.99236	781	0	38.9	189.530769	162.942965	
			0.500	0.000	0.414	6.400		11.78038	777	0	40.3	189.305703	163.034787	
			0.500	0.000	0.414	7.700		11.76397	780	0	39.7	187.937051	162.7	

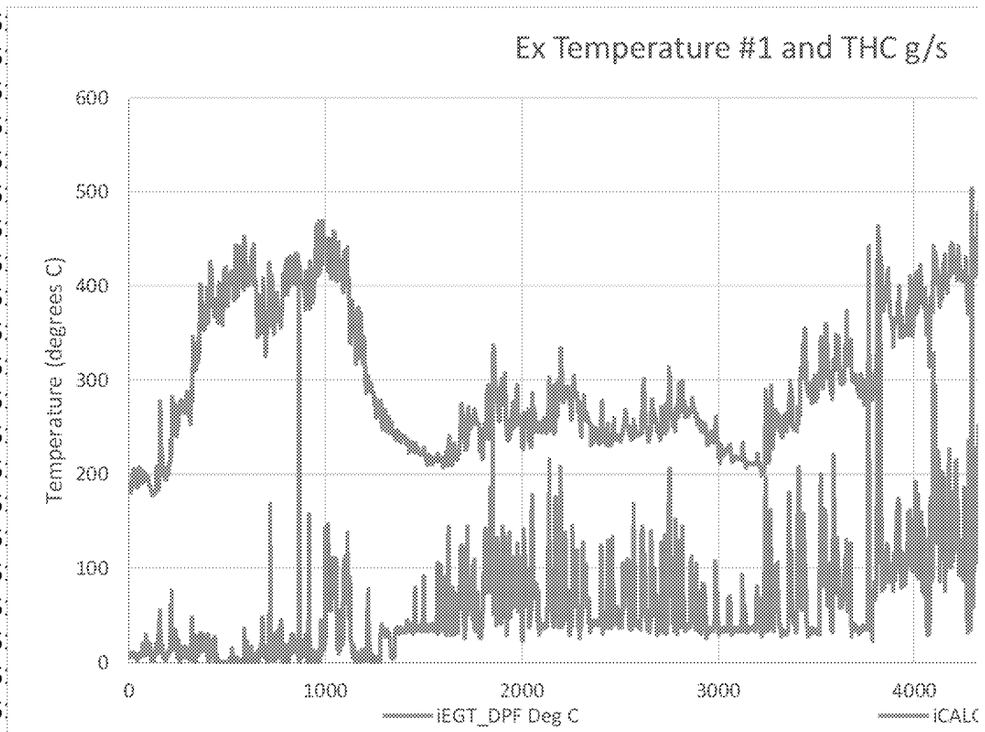
iNOX_B1S2	sDPF_REGEN	iCOM_EGR	Accum kNOx	Accum THC	Accum CO	Accum CO2
	Regen 0/1		g	g	g	g
			0.00001	0.00006	0.00082	0.715
			0.00002	0.0001	0.00155	1.484
			0.00003	0.00016	0.00233	2.266
			0.00004	0.0002	0.00324	3.031
			0.00005	0.00025	0.00411	3.77
			0.00006	0.0003	0.00496	4.487
			0.00007	0.00034	0.0058	5.2
			0.00008	0.0004	0.00666	5.93
			0.00009	0.00045	0.00753	6.683
			0.0001	0.00051	0.00838	7.458
			0.00011	0.00056	0.00914	8.251
			0.00012	0.00062	0.0099	9.06
			0.00013	0.00068	0.01066	9.874
			0.00014	0.00075	0.01142	10.68
			0.00015	0.00082	0.01218	11.471
			0.00016	0.00088	0.01294	12.259
			0.00017	0.00095	0.0137	13.037
			0.00018	0.001	0.01455	13.811
			0.00019	0.00106	0.01542	14.583
			0.0002	0.0011	0.01628	15.354
			0.00021	0.00115	0.01714	16.119
			0.00022	0.0012	0.018	16.878
			0.00023	0.00125	0.01886	17.638
			0.00024	0.00131	0.01973	18.401
			0.00025	0.00135	0.02059	19.162
			0.00026	0.00141	0.02146	19.925
			0.00027	0.00146	0.02232	20.685
			0.00028	0.0015	0.02318	21.442
			0.00029	0.00156	0.02404	22.198
			0.0003	0.0016	0.0249	22.955
			0.00031	0.00166	0.02576	23.714
			0.00032	0.0017	0.02662	24.471
			0.00033	0.00175	0.02748	25.23
			0.00034	0.00179	0.02834	25.982
			0.00035	0.00183	0.02919	26.73
			0.00036	0.00187	0.03005	27.484
			0.00037	0.0019	0.03091	28.237
			0.00038	0.00195	0.03177	28.99
			0.00039	0.00199	0.03263	29.747
			0.0004	0.00204	0.03349	30.498
			0.00041	0.00205	0.03435	31.25
			0.00042	0.00208	0.03521	32.006
			0.00043	0.00212	0.03607	32.761
			0.00044	0.00216	0.03693	33.514
			0.00045	0.0022	0.03779	34.269





10:14:27.351 -8 0.00001 0.00004 0.00077 0.752 0.000073

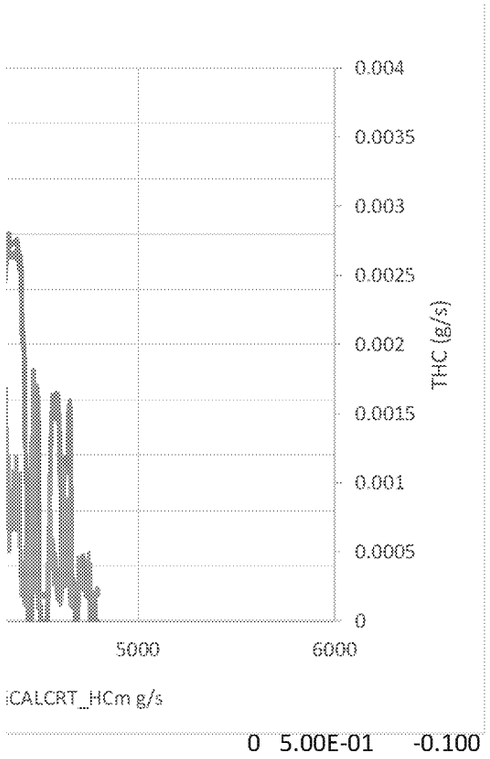




10:14:50.351 -8 0.00004 0.00015 0.00139 2.471 0.000239

Accumulated CO and Vehicle Speed

Accumulated CO2 and Vehicle Spee



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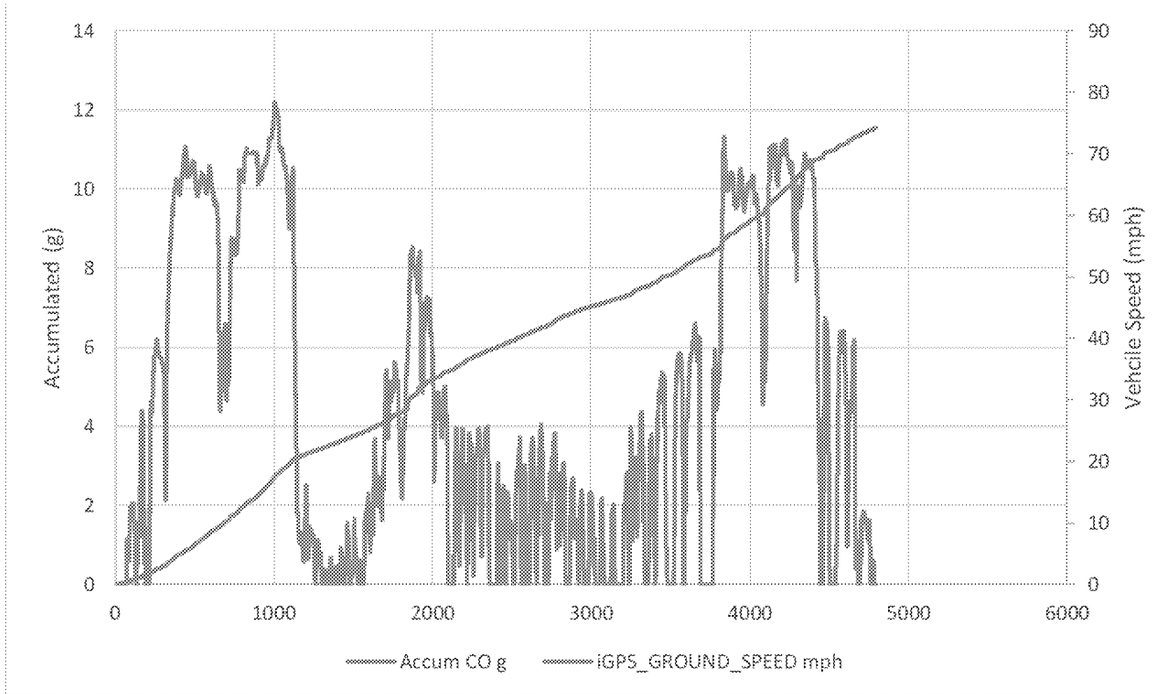
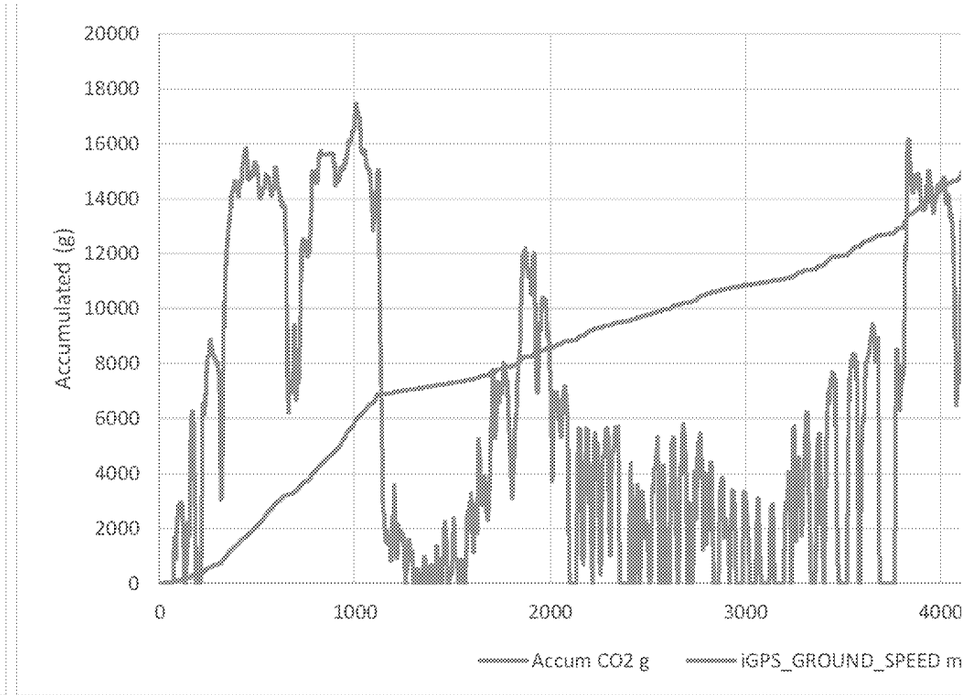
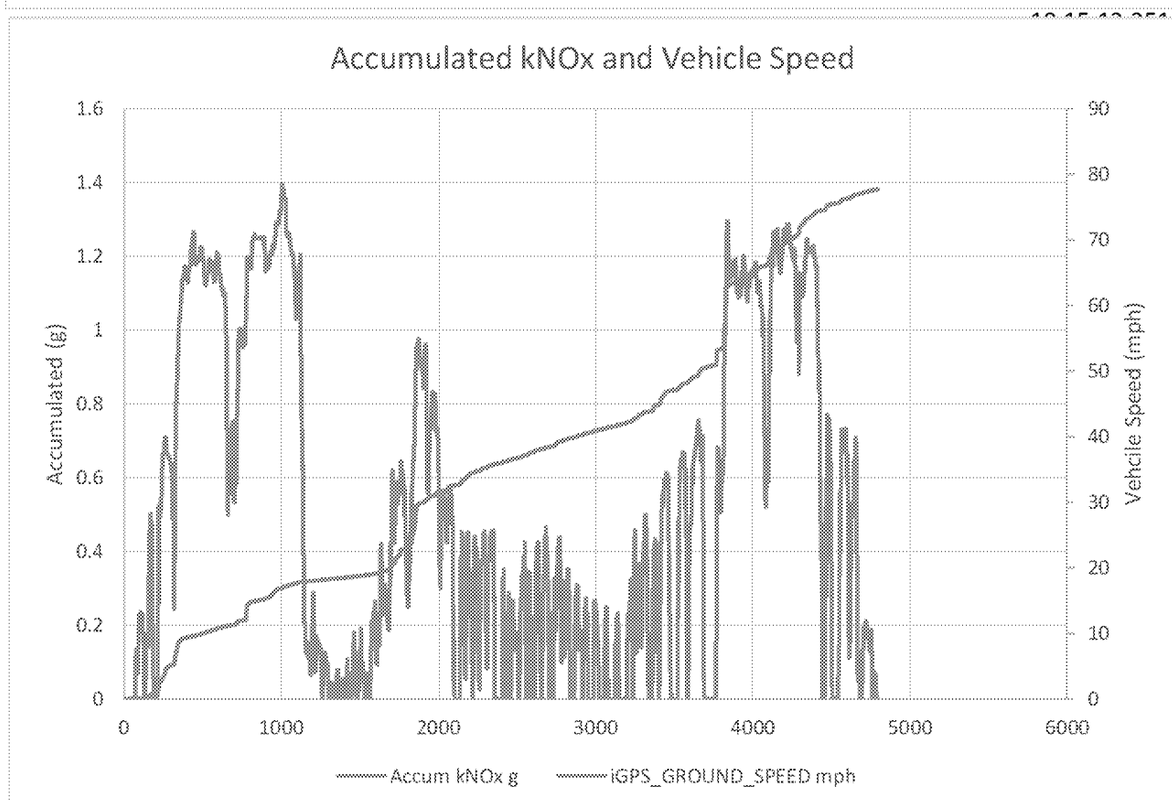
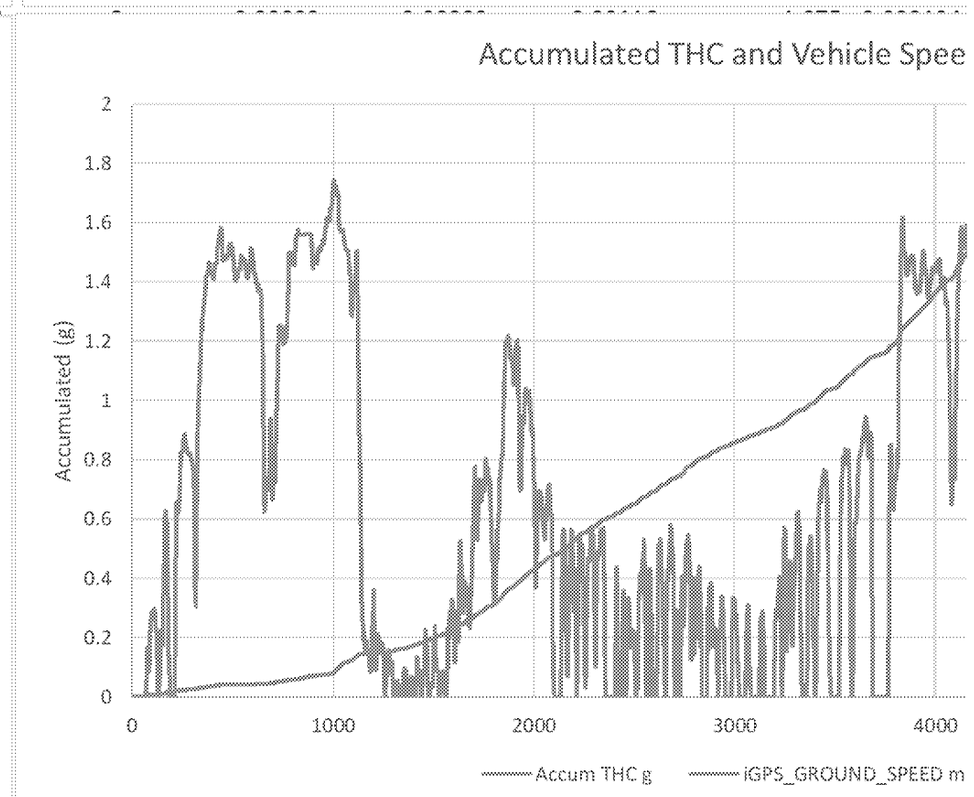
0.500	0.000	0.414	4.800		11.63357	780	0	40	187.594118	162.960978
0.500	0.000	0.414	8.200		11.61927	772	0	41.1	189.369815	163.031176
0.600	0.000	0.497	5.700		11.73059	782	0	39.7	188.323616	162.956807
0.600	0.000	0.497	7.100	172.4	11.63993	781	0	40.7	188.168793	163.3
0.600	0.000	0.497	10.100	172.4	11.79736	773	0	39.6	192.230909	162.976522
0.600	0.000	0.497	7.000	172.4	11.74385	783	0	41.1	202.675385	162.7
0.600	0.000	0.497	11.700	172.4	11.55463	769	0	39.7	207.285038	162.7
0.600	0.000	0.497	7.000	172.4	11.68389	777	0	39.6	203.073878	163.272549
0.600	0.000	0.495	10.900	172.4	11.7175	783	0	40.7	204.315833	163.3
0.600	0.000	0.497	8.100	172.4	11.63361	776	0	39.8	204.841616	163.3
0.600	0.000	0.497	10.000	172.4	11.66327	779	0	40	205.420344	163.3
0.600	0.000	0.497	9.900	172.4	11.59925	780	0	39.6	200.934414	163.3
0.600	0.000	0.497	8.700		11.70301	780	0	39.9	198.526829	163.269261
0.500	0.000	0.416	11.100		11.53449	784	0	39.8	199.279545	162.7
0.500	0.000	0.414	7.600		11.59583	772	0	39.2	199.89876	162.7
0.500	0.000	0.415	9.600		11.67525	777	0	39.8	198.585447	162.682336
0.600	0.000	0.498	7.300		11.7602	786	0	39.6	199.018228	162.2
0.600	0.000	0.498	8.900		11.51583	772	0	38.8	199.340167	162.208893
0.600	0.000	0.498	8.800		11.7663	776	0	40.2	199.412883	162.696845
0.600	0.000	0.498	8.000		11.753	787	0	40.5	196.931038	162.2
0.600	0.000	0.498	9.000		11.35886	770	0	40.7	196.653039	162.231604
0.600	0.000	0.498	6.800		11.37063	768	0	55.2	199.062062	162.728122
0.600	0.000	0.498	10.300	172.4	14.8419	955	0.026	59	194.009231	166.844664
0.600	0.000	0.498	7.800	172.4	13.35	845	1.385	55.5	191.161211	171.791857
0.600	0.000	0.496	8.700	172.4	14.68909	1042	2.711	89	192.015104	177.204028
0.600	0.000	0.491	9.600	172.4	26.0767	1369	4.797	73.5	196.192575	189.09939
0.700	0.000	0.564	9.400	172.4	30.30581	1536	6.83	57.3	201.434712	202.206557
0.700	0.000	0.559	12.700	172.4	17.65204	1333	6.83	27.7	203.603745	202.231304
0.800	0.000	0.637	8.800	172.4	15.40673	833	6.83	28.1	201.397	195.630711
0.800	0.080	0.642	13.100	172.4	12.90298	825	6.83	42.1	199.145256	190.760497
0.800	0.081	0.651	11.200	172.4	12.42302	838	6.21	48.3	199.884717	187.93268
0.800	0.082	0.660	12.900		12.40208	834	6.21	49.1	198.829282	186.855425
0.800	0.083	0.664	9.700		12.40484	834	6.21	43.6	198.583333	185.818881
0.800	0.083	0.664	8.100		12.28621	822	5.59	47.8	197.722433	185.070341
0.800	0.083	0.661	10.600		12.50647	835	4.818	49.8	196.955731	184.05005
0.800	0.163	0.659	8.000		12.3847	832	4.222	43.5	196.435213	183.353281
0.800	0.165	0.658	12.800		15.37736	1044	3.828	58.7	195.534528	185.124928
0.800	0.164	0.657	9.600		17.93826	1188	4.97	62.6	195.302667	189.189437
0.800	0.163	0.653	11.400		20.9596	1314	5.59	63.9	195.950095	195.352306
0.800	0.162	0.647	12.100		26.11168	1445	6.275	60.1	197.095082	202.360856
0.900	0.240	0.721	13.900		31.24722	1633	7.45	57.1	198.40217	210.483495
0.900	0.320	0.721	15.200	172.4	26.98676	1370	8.667	46.2	199.590741	217.239677
0.900	0.402	0.723	10.000	172.8	21.12365	1260	9.31	54.8	197.109641	219.894402
0.900	0.402	0.723	13.600	173.2	20.39581	1295	9.94	56.3	194.44527	220.784348
0.900	0.402	0.723	14.100	173.6	22.18012	1352	10.56	55.3	193.229522	221.420245
0.900	0.402	0.723	11.200	174	21.6485	1375	11.03	54.1	195.220259	222.07489
0.900	0.401	0.722	11.200	174.2	22.92279	1418	11.18	53.8	193.544366	222.1

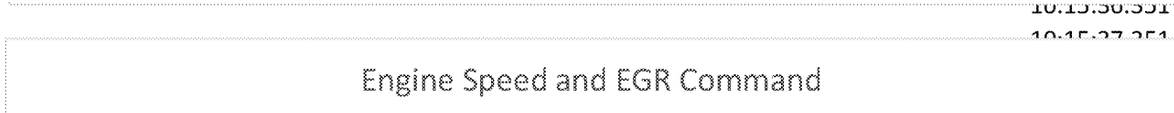
0.00046	0.00223	0.03865	35.019
0.00047	0.00227	0.0395	35.765
0.00048	0.0023	0.04036	36.519
0.00049	0.00234	0.04123	37.276
0.0005	0.0024	0.04209	38.031
0.00051	0.00244	0.04295	38.786
0.00052	0.0025	0.04382	39.541
0.00053	0.00254	0.04468	40.289
0.00054	0.0026	0.04554	41.043
0.00055	0.00264	0.04641	41.8
0.00056	0.0027	0.04727	42.56
0.00057	0.00275	0.04813	43.317
0.00058	0.0028	0.04899	44.072
0.00059	0.00286	0.04985	44.828
0.0006	0.0029	0.05071	45.579
0.00061	0.00295	0.05158	46.328
0.00062	0.00299	0.05244	47.072
0.00063	0.00304	0.05331	47.817
0.00064	0.00309	0.05417	48.557
0.00065	0.00313	0.05503	49.297
0.00066	0.00318	0.0558	50.035
0.00067	0.00322	0.05657	50.787
0.00068	0.00329	0.05747	51.663
0.00069	0.00334	0.05837	52.541
0.0007	0.00341	0.05958	53.691
0.00072	0.00352	0.06206	55.773
0.00075	0.00365	0.06513	58.849
0.00077	0.00377	0.06671	61.209
0.00079	0.00383	0.06775	63.153
0.00081	0.00392	0.06864	64.774
0.00083	0.00399	0.06942	66.003
0.00084	0.00407	0.06989	66.916
0.00085	0.00413	0.07082	67.68
0.00086	0.00418	0.0719	68.421
0.00087	0.00424	0.07291	69.233
0.00089	0.00429	0.07381	70.173
0.00091	0.00438	0.07476	71.324
0.00093	0.00446	0.07573	72.68
0.00096	0.00457	0.07705	74.514
0.00099	0.00472	0.07933	77.206
0.00104	0.00492	0.08171	80.811
0.00108	0.00512	0.08317	83.965
0.00112	0.00523	0.08446	86.597
0.00116	0.00537	0.08584	89.047
0.0012	0.00552	0.08723	91.518
0.00124	0.00564	0.08862	94.014
0.00128	0.00576	0.09007	96.633


Accumulated (g)
Vehcile Speed (mph)
Accum CO g
iGPS_GROUND_SPEED mph

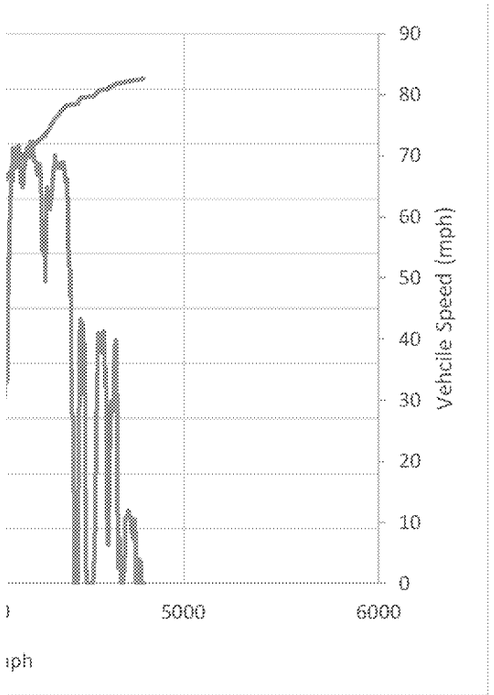

Accumulated (g)
Accum CO2 g
iGPS_GROUND_SPEED m

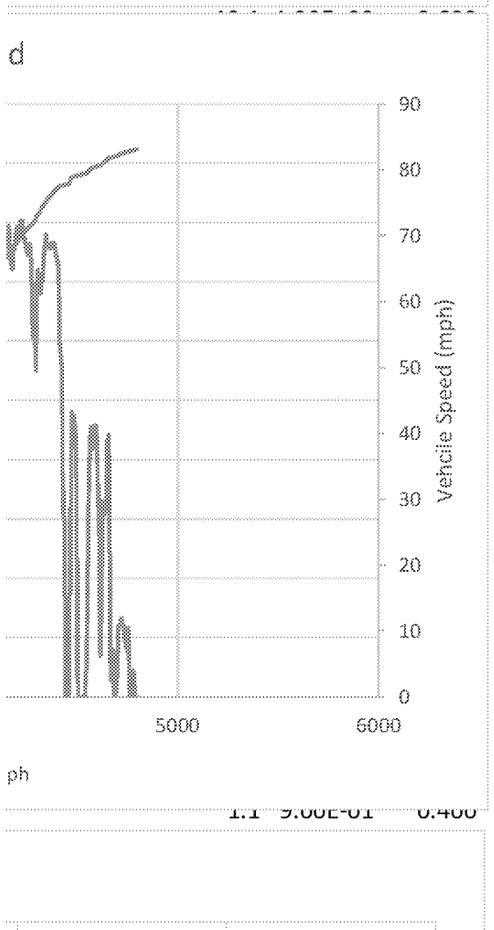

Accumulated kNOx and Vehicle Speed
Accumulated (g)
Vehcile Speed (mph)
Accum kNOx g
iGPS_GROUND_SPEED mph


Accumulated THC and Vehicle Spee
Accumulated (g)
Accum THC g
iGPS_GROUND_SPEED m


Engine Speed and EGR Command

NOx ppm





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0.0016	0.00656	0.10196	113.167
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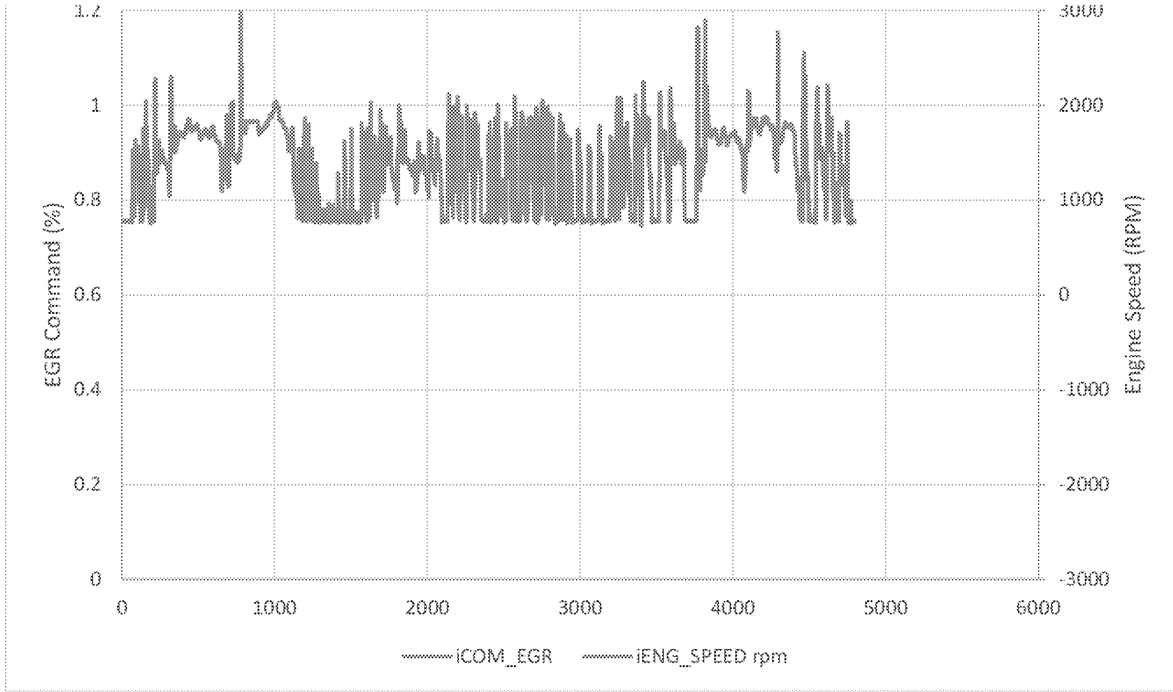

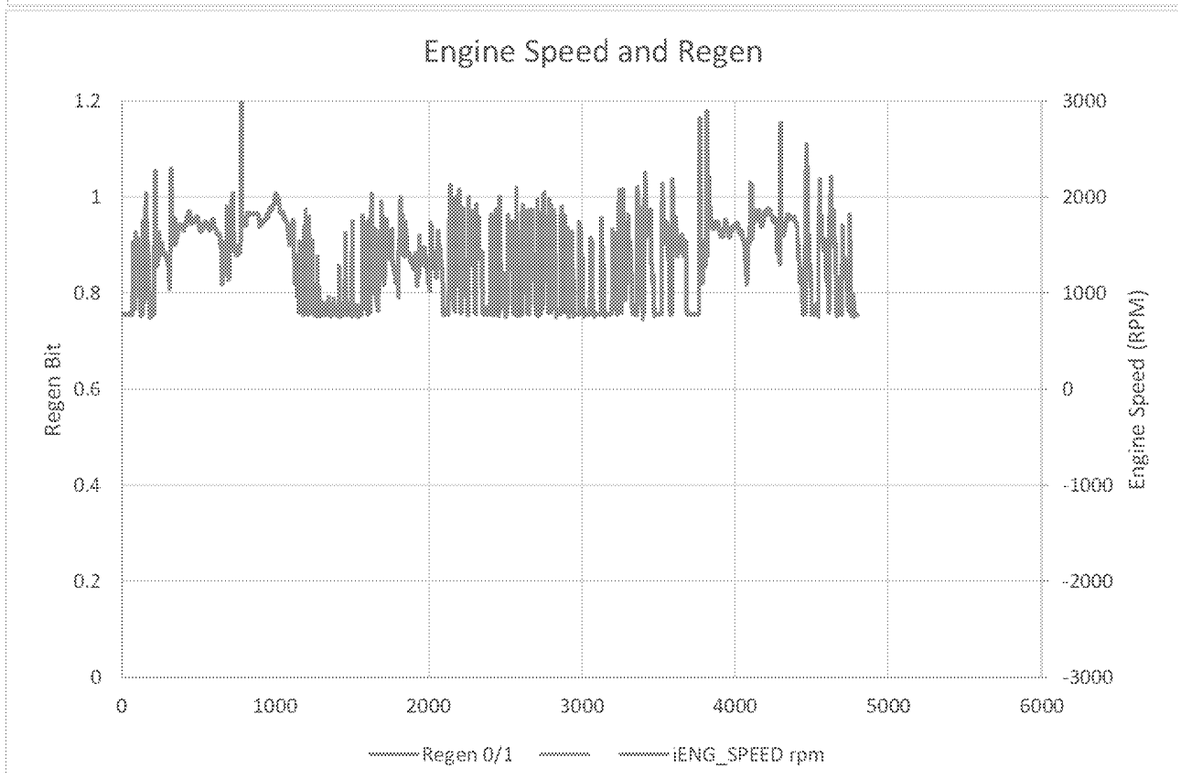

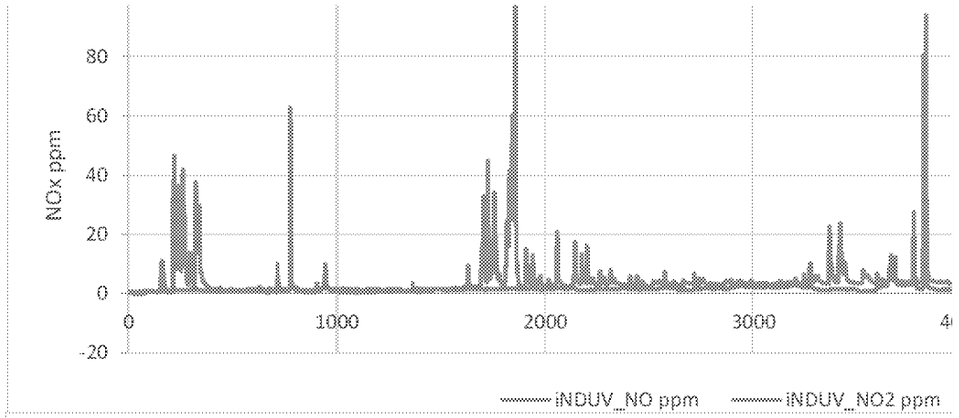

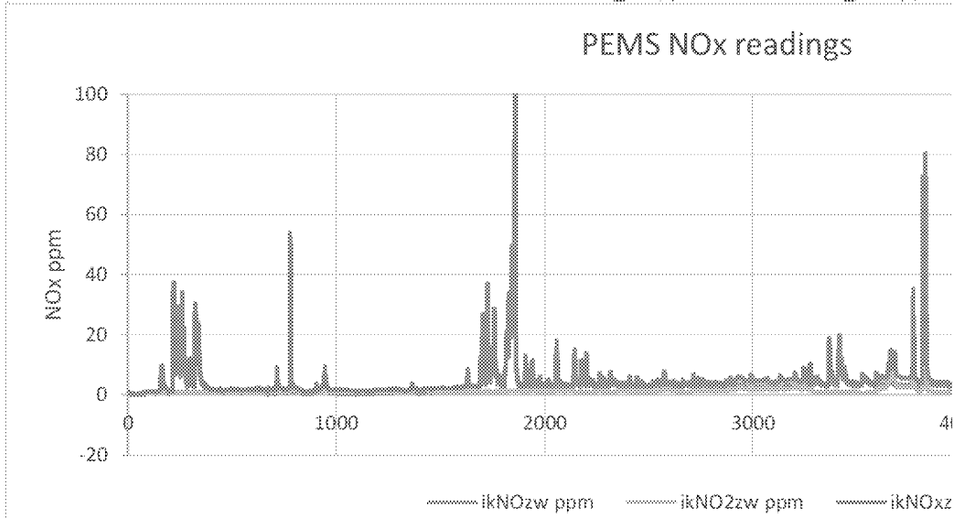

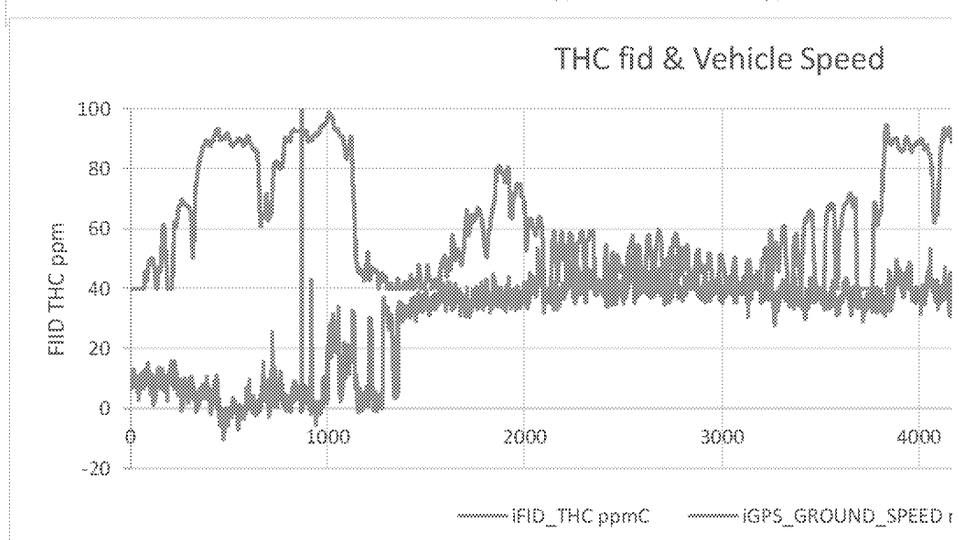

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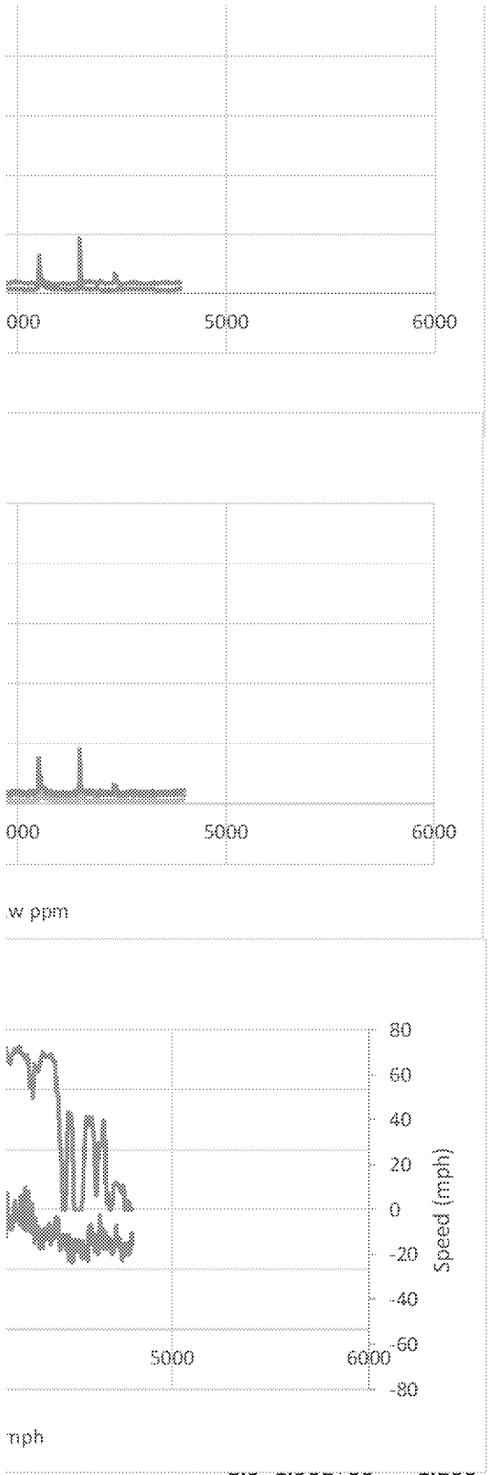

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0.800	0.317	0.634	9.200
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176	41.89119	1594	9.299	83.7	184.483077	240.944534
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177.7	62.76168	2041	22.006	77.5	245.167879	367.886913
178.4	56.87041	2032	23.6	77.1	261.426425	371.453913
179.2	51.37063	1858	24.84	76.5	277.27717	370.9
179.9	36.85626	1464	25.46	89.4	257.208684	370.9
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	35.53532	1534	26.756	72	230.543925	365.10039
	30.60252	1538	27.32	61.1	230.63666	354.927717
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	24.87735	1525	26.7	48.6	222.193333	329.482431
	22.94504	1501	26.632	45.4	220.579323	316.117194
181.4	23.43095	1480	26.08	39.3	218.525236	303.017647
181.4	23.23964	1463	25.46	35.5	212.138863	291.091429
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181.4	12.63108	1397	24.35	1.2	200.602894	263.966124
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0.0029	0.00934	0.15622	177.151
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0.01087	0.01351	0.21798	298.599
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0.01148	0.0139	0.22525	306.029
0.01153	0.01395	0.22594	306.452
0.01158	0.01399	0.2266	306.787
0.01163	0.01402	0.2274	307.107
0.01169	0.01407	0.22825	307.41
0.01174	0.01411	0.22918	307.637
0.01178	0.01417	0.23013	307.831
0.01182	0.01422	0.23105	308.029
0.01186	0.01428	0.23196	308.257
0.01189	0.01433	0.23287	308.513
0.01192	0.01438	0.2338	308.823
0.01195	0.01442	0.23493	309.248
0.01198	0.01443	0.23596	309.804

10:16:27.351	-9	0.00003	0.00002	0.00115	0.676	0.000066
10:16:28.351	-9	0.00003	0.00002	0.00106	0.771	0.000075
10:16:29.351	-9	0.00003	0.00005	0.00085	0.879	0.000085
10:16:30.351	-9	0.00003	0.00005	0.00082	0.981	0.000095
10:16:31.351	-9	0.00003	0.00005	0.00109	1.043	0.000101
10:16:32.351	-9	0.00002	0.00007	0.00101	1.074	0.000104
10:16:33.351	-9	0.00002	0.00005	0.00091	1.078	0.000104
10:16:34.351	-9	0.00002	0.00007	0.00088	1.09	0.000106
10:16:35.351	-9	0.00002	0.00005	0.00089	1.103	0.000107
10:16:36.351	-9	0.00002	0.00007	0.0009	1.116	0.000108
10:16:37.351	-9	0.00002	0.00006	0.0009	1.122	0.000109
10:16:38.351	-9	0.00002	0.00006	0.00089	1.117	0.000108
10:16:39.351	-9	0.00002	0.00007	0.00096	1.118	0.000108
10:16:40.351	-9	0.00002	0.00005	0.00095	1.119	0.000108
10:16:41.351	-9	0.00002	0.00008	0.00089	1.119	0.000108
10:16:42.351	-9	0.00002	0.00006	0.00088	1.111	0.000108
10:16:43.351	-9	0.00002	0.00008	0.00088	1.104	0.000107
10:16:44.351	-9	0.00002	0.00007	0.00087	1.103	0.000107
10:16:45.351	-9	0.00002	0.00008	0.00087	1.102	0.000107
10:16:46.351	-9	0.00002	0.00008	0.00088	1.111	0.000108
10:16:47.351	-9	0.00002	0.00007	0.00088	1.113	0.000108
10:16:48.351	-9	0.00002	0.00009	0.00088	1.111	0.000108
10:16:49.351	-9	0.00002	0.00007	0.00089	1.129	0.000109
10:16:50.351	-9	0.00003	0.0001	0.00104	1.318	0.000128
10:16:51.351	-9	0.00005	0.00015	0.00189	2.528	0.000245
10:16:52.351	-9	0.00008	0.00028	0.00382	5.029	0.000487
10:16:53.351	-9	0.00021	0.00041	0.00644	10.374	0.001003
10:16:54.351	-9	0.00155	0.00032	0.00449	12.34	0.001192
10:16:55.351	-9	0.00337	0.00038	0.00448	12.498	0.001207
10:16:56.351	-9	0.0045	0.00032	0.00466	13.059	0.001261
10:16:57.351	-9	0.00502	0.00051	0.00475	13.272	0.001282
10:16:58.351	-9	0.00382	0.00029	0.00378	9.59	0.000926
10:16:59.351	-9	0.00283	0.00023	0.00299	6.962	0.000673
10:17:00.351	-9	0.00223	0.00018	0.00224	5.794	0.00056
10:17:01.351	-9	0.00187	0.0001	0.00142	4.737	0.000457
10:17:02.351	-9	0.00139	0.00015	0.00129	3.442	0.000333
10:17:03.351	-9	0.00099	0.00011	0.00141	2.659	0.000257
10:17:04.351	-9	0.00082	0.00016	0.0014	2.406	0.000233
10:17:05.351	-9	0.00066	0.00013	0.0012	1.962	0.00019
10:17:06.351	-9	0.00059	0.00015	0.00145	1.955	0.000189
10:17:07.351	-9	0.00049	0.00016	0.00353	2.812	0.000273
10:17:08.351	-9	0.00041	0.00011	0.00281	3.639	0.000352
10:17:09.351	-9	0.00035	0.00015	0.0019	3.893	0.000376
10:17:10.351	-9	0.00034	0.00009	0.00153	3.836	0.000371
10:17:11.351	-9	0.00034	0.00015	0.00161	3.709	0.000359
10:17:12.351	-9	0.00038	0.00011	0.00191	3.942	0.000381
10:17:13.351	-9	0.00044	0.00016	0.00207	4.336	0.000419

3.1	1.50E+00	0.800	1.000	0.665	0.831	3.700	181.4	11.91519	780	0.264	51.5	194.061996	217.333704
0	1.40E+00	0.700	1.000	0.579	0.827	4.000	181.4	11.9296	779	0	50.8	194.475	218.79726
0	1.50E+00	0.700	1.100	0.576	0.904	9.100	181.4	11.84002	779	0	51.1	195.010829	220.583953
0	1.50E+00	0.700	1.100	0.572	0.900	8.100	181.4	12.08887	780	0	51.7	194.665344	221.420921
0	1.50E+00	0.700	1.100	0.570	0.897	8.800	181.4	11.99316	781	0	50.8	197.959894	222.08202
0	1.30E+00	0.500	1.100	0.408	0.895	11.400	181.4	11.92548	779	0	50.3	202.286711	222.8
0	1.10E+00	0.400	1.000	0.326	0.815	9.700	181.4	11.98808	776	0	51	205.88876	222.667609
0	1.10E+00	0.400	1.000	0.325	0.814	11.600	181.4	11.93626	779	0	50.8	206.305335	222.483508
0	1.10E+00	0.400	1.000	0.325	0.814	9.500	181.4	11.96826	778	0	51	206.042424	223.4
0	1.20E+00	0.500	1.000	0.407	0.813	11.900	181.4	11.9564	780	0	52.1	204.873462	223.737978
0	1.20E+00	0.500	1.000	0.407	0.813	10.500	181.4	12.127	779	0	50.2	205.773846	224
0	1.10E+00	0.400	1.000	0.326	0.813	10.200	181.4	11.9252	777	0	51.4	206.165703	224
0	1.10E+00	0.400	1.000	0.325	0.813	12.000	181.4	12.09228	776	0	51	204.380577	223.613737
0	1.10E+00	0.400	0.900	0.325	0.732	9.300	181.4	11.96486	778	0	51.6	198.954286	223.4
0	1.10E+00	0.400	0.900	0.325	0.732	13.000	181.4	12.14821	780	0	51.6	202.21706	223.4
0	1.10E+00	0.400	0.900	0.325	0.732	10.700	181.4	12.02296	778	0	50.7	205.361741	223.351279
0	1.00E+00	0.400	0.800	0.325	0.651	14.200	181.4	12.06383	778	0	50	208.997769	222.8
0	1.00E+00	0.400	0.800	0.325	0.650	12.100	181.4	11.98686	779	0	50.1	211.172264	222.8
0	1.00E+00	0.400	0.800	0.325	0.650	13.400	181.4	12.02208	778	0	50.2	211.872642	222.543081
0	1.00E+00	0.400	0.800	0.325	0.650	14.800	181.4	11.98207	779	0	51.2	211.793528	222.1
0	1.00E+00	0.400	0.800	0.325	0.650	11.500	181.4	11.97458	781	0	50.4	211.78125	222.1
0	1.00E+00	0.400	0.800	0.325	0.650	15.600	181.4	11.96764	778	0	49.9	211.738822	221.886023
0	1.00E+00	0.400	0.800	0.325	0.650	12.400	181.4	11.95173	781	0	50.2	210.587885	221.5
0	1.10E+00	0.600	0.800	0.486	0.650	15.200	181.4	13.04277	778	0.455	48.4	211.024519	221.778278
0	1.10E+00	0.600	0.800	0.486	0.648	12.100	181.4	21.87147	1272	2.137	95.6	211.767115	228.803006
0.9	1.10E+00	0.600	0.800	0.482	0.643	13.100	181.4	45.29065	1722	5.696	89.6	218.961132	251.9728
6	1.70E+00	1.400	0.800	1.100	0.632	11.500	181.4	70.02515	2181	9.671	86.3	232.520185	290.236671
6	1.16E+01	13.900	0.800	10.945	0.629	8.000	181.4	88.56972	2204	14.214	75.6	236.894896	334.62291
6.3	2.52E+01	31.200	0.900	24.513	0.706	9.400	181.5	86.84792	2137	17.452	68.9	231.97025	366.549111
14.2	3.23E+01	40.300	0.900	31.634	0.706	7.500	181.9	88.37	2202	20.584	75.7	222.813462	389.188654
14.5	3.55E+01	44.300	0.900	34.749	0.706	12.000	182.3	92.07957	2271	23.283	73.4	238.39	404.060695
21.1	3.66E+01	45.500	1.000	35.767	0.786	9.100	182.7	69.50063	1971	25.946	73.5	249.882322	408.691224
21.3	3.71E+01	46.000	1.100	36.185	0.865	9.800	183.1	48.39318	1637	27.316	82.5	275.120395	409.665359
26.8	3.73E+01	46.600	1.100	36.444	0.860	10.000	183.7	35.44448	1617	28.57	75.7	282.244172	407.629412
29.5	3.74E+01	46.600	1.100	36.530	0.862	6.500	184.4	25.97161	1627	28.57	60.5	276.591649	389.965278
29.5	3.50E+01	43.200	1.100	34.157	0.869	12.600	185.2	25.32575	1409	28.498	44.7	270.1825	371.522142
29.5	2.92E+01	35.500	1.100	28.287	0.877	10.500	185.9	19.27028	1326	27.811	20.4	275.671875	349.40257
29.6	2.38E+01	28.400	1.100	22.878	0.885	15.700	186.6	23.44548	1284	27.126	30.8	270.028061	329.815149
29.6	1.84E+01	21.400	1.100	17.496	0.898	11.800	186.8	22.48501	1279	26.7	64.1	262.520755	316.2222
28.2	1.45E+01	16.500	1.100	13.552	0.904	12.000	186.8	27.3474	1277	26.7	81	261.340625	314.661538
28.2	1.11E+01	12.600	1.100	10.192	0.890	12.100	186.8	28.44831	1291	26.903	71.9	263.365625	319.537173
27.7	8.90E+00	10.100	1.100	8.046	0.876	8.200	186.8	29.95567	1306	27.32	72.5	274.600472	320.839391
27.7	7.80E+00	8.700	1.100	6.895	0.871	10.700	186.8	26.22695	1323	27.656	64.4	276.092347	320.866533
28.3	7.40E+00	8.300	1.100	6.573	0.871	6.500	186.8	27.06959	1332	27.95	55	275.504461	319.1684
28.3	7.50E+00	8.300	1.100	6.592	0.874	11.100	186.8	27.33087	1347	28.255	63.3	272.830126	318.034965
28.9	7.90E+00	8.900	1.100	7.068	0.874	7.900	186.8	29.78356	1374	28.57	73.5	273.509434	319.232813
28.9	8.40E+00	9.500	1.100	7.536	0.873	9.900	186.8	32.1125	1391	29.19	79.7	268.241509	323.290217

0.01201	0.01445	0.23711	310.48
0.01204	0.01447	0.23817	311.251
0.01207	0.01452	0.23902	312.13
0.0121	0.01457	0.23984	313.111
0.01213	0.01462	0.24093	314.154
0.01215	0.01469	0.24194	315.228
0.01217	0.01474	0.24285	316.306
0.01219	0.01481	0.24373	317.396
0.01221	0.01486	0.24462	318.499
0.01223	0.01493	0.24552	319.615
0.01225	0.01499	0.24642	320.737
0.01227	0.01505	0.24731	321.854
0.01229	0.01512	0.24827	322.972
0.01231	0.01517	0.24922	324.091
0.01233	0.01525	0.25011	325.21
0.01235	0.01531	0.25099	326.321
0.01237	0.01539	0.25187	327.425
0.01239	0.01546	0.25274	328.528
0.01241	0.01554	0.25361	329.63
0.01243	0.01562	0.25449	330.741
0.01245	0.01569	0.25537	331.854
0.01247	0.01578	0.25625	332.965
0.01249	0.01585	0.25714	334.094
0.01252	0.01595	0.25818	335.412
0.01257	0.0161	0.26007	337.94
0.01265	0.01638	0.26389	342.969
0.01286	0.01679	0.27033	353.343
0.01441	0.01711	0.27482	365.683
0.01778	0.01749	0.2793	378.181
0.02228	0.01781	0.28396	391.24
0.0273	0.01832	0.28871	404.512
0.03112	0.01861	0.29249	414.102
0.03395	0.01884	0.29548	421.064
0.03618	0.01902	0.29772	426.858
0.03805	0.01912	0.29914	431.595
0.03944	0.01927	0.30043	435.037
0.04043	0.01938	0.30184	437.696
0.04125	0.01954	0.30324	440.102
0.04191	0.01967	0.30444	442.064
0.0425	0.01982	0.30589	444.019
0.04299	0.01998	0.30942	446.831
0.0434	0.02009	0.31223	450.47
0.04375	0.02024	0.31413	454.363
0.04409	0.02033	0.31566	458.199
0.04443	0.02048	0.31727	461.908
0.04481	0.02059	0.31918	465.85
0.04525	0.02075	0.32125	470.186

10:17:14.351	-9	0.00053	0.00019	0.00238	5.304	0.000513
10:17:15.351	-9	0.00063	0.00023	0.00294	5.931	0.000573
10:17:16.351	-9	0.00095	0.00022	0.00306	6.069	0.000586
10:17:17.351	-9	0.00148	0.00009	0.00304	6.186	0.000598
10:17:18.351	-9	0.00163	0.00015	0.00279	6.066	0.000586
10:17:19.351	-9	0.00161	0.00009	0.00193	5.14	0.000497
10:17:20.351	-9	0.00131	0.00008	0.0017	3.748	0.000362
10:17:21.351	-9	0.00121	0.00008	0.00191	3.289	0.000318
10:17:22.351	-9	0.0011	0.00008	0.0021	3.471	0.000336
10:17:23.351	-9	0.00094	0.00012	0.00224	3.78	0.000366
10:17:24.351	-9	0.00071	0.00005	0.0023	3.567	0.000345
10:17:25.351	-9	0.00053	0.00008	0.00161	2.981	0.000288
10:17:26.351	-9	0.00048	0.00004	0.00143	2.79	0.00027
10:17:27.351	-9	0.00049	0.00006	0.00182	2.665	0.000258
10:17:28.351	-9	0.00046	0.0001	0.00198	2.535	0.000245
10:17:29.351	-9	0.00042	0.00008	0.00178	2.283	0.000221
10:17:30.351	-9	0.00037	0.00011	0.00158	2.359	0.000228
10:17:31.351	-9	0.00038	0.00009	0.00218	3.148	0.000305
10:17:32.351	-9	0.0004	0.00016	0.00365	4.44	0.00043
10:17:33.351	-9	0.0004	0.00009	0.00277	5.376	0.00052
10:17:34.351	-9	0.00049	0.00009	0.002	5.336	0.000516
10:17:35.351	-9	0.00075	0.00007	0.00218	4.993	0.000483
10:17:36.351	-9	0.00098	0.00007	0.00268	5.589	0.00054
10:17:37.351	-9	0.00125	0.00008	0.00232	6.852	0.000661
10:17:38.351	-9	0.00168	0	0.00362	8.161	0.000788
10:17:39.351	-9	0.00192	0	0.00312	7.607	0.000734
10:17:40.351	-9.3	0.00191	0	0.00188	5.708	0.000551
10:17:41.351	-10	0.00189	0.00002	0.0016	4.67	0.000451
10:17:42.351	-9.7	0.00174	0.00006	0.00237	4.298	0.000416
10:17:43.351	-9	0.00155	0.00004	0.00266	4.482	0.000433
10:17:44.351	-9.3	0.0014	0.00007	0.00255	4.971	0.00048
10:17:45.351	-9.7	0.00124	0.00002	0.00184	5.025	0.000485
10:17:46.351	-9.3	0.00112	0.00007	0.00166	4.455	0.00043
10:17:47.351	-10	0.00097	0.00003	0.00171	3.771	0.000364
10:17:48.351	-10	0.0009	0.00005	0.00152	3.233	0.000313
10:17:49.351	-10	0.00078	0.00006	0.00104	2.726	0.000264
10:17:50.351	-10	0.00068	0.00005	0.00132	2.57	0.000249
10:17:51.351	-10	0.00058	0.00009	0.00144	2.577	0.000249
10:17:52.351	-10	0.00049	0.00008	0.00146	2.529	0.000245
10:17:53.351	-10	0.00042	0.00011	0.00147	2.39	0.000231
10:17:54.351	-10	0.00036	0.00007	0.00146	2.098	0.000203
10:17:55.351	-10	0.00031	0.00009	0.00128	1.791	0.000173
10:17:56.351	-10	0.00029	0.00007	0.00195	1.589	0.000154
10:17:57.351	-10	0.00025	0.00005	0.00197	1.511	0.000146
10:17:58.351	-10	0.00022	0.00008	0.0019	1.535	0.000149
10:17:59.351	-10	0.00019	0.00004	0.00181	1.551	0.00015
10:18:00.351	-10	0.00017	0.00007	0.00165	1.562	0.000151

29.7	8.80E+00	10.000	1.100	7.895	0.868	10.300
30.8	9.90E+00	11.500	1.100	9.018	0.864	11.900
30.8	1.48E+01	17.700	1.100	13.905	0.862	11.100
30.9	2.18E+01	26.600	1.100	20.941	0.866	4.600
32.7	2.53E+01	31.200	1.100	24.470	0.863	7.700
32.8	2.83E+01	34.800	1.100	27.402	0.866	5.500
34.6	2.95E+01	36.200	1.100	28.669	0.871	6.200
34.7	2.94E+01	35.900	1.100	28.557	0.875	6.300
35.7	2.53E+01	30.700	1.100	24.437	0.875	6.100
36.4	2.05E+01	24.700	1.100	19.626	0.873	8.800
36.4	1.70E+01	20.400	1.100	16.163	0.871	4.100
37.2	1.48E+01	17.600	1.100	13.957	0.872	7.500
37.2	1.37E+01	16.100	1.100	12.825	0.876	4.000
37.2	1.35E+01	15.800	1.100	12.645	0.880	5.400
37.3	1.28E+01	14.800	1.100	11.905	0.884	9.000
37.3	1.15E+01	13.100	1.100	10.621	0.891	7.200
37.3	9.70E+00	10.900	1.100	8.851	0.892	9.900
37.4	8.00E+00	8.800	1.100	7.120	0.887	6.000
37.4	7.00E+00	7.700	1.100	6.151	0.877	9.400
37.4	6.70E+00	7.400	1.100	5.835	0.867	5.000
38.3	8.30E+00	9.400	1.100	7.392	0.867	5.000
38.3	1.28E+01	15.100	1.100	11.974	0.871	3.800
39	1.59E+01	19.100	1.100	15.027	0.866	3.700
39.2	1.81E+01	22.100	1.100	17.223	0.858	4.000
39.2	2.16E+01	26.800	1.100	20.771	0.853	-0.800
39.2	2.63E+01	32.800	1.100	25.446	0.854	0.000
39.7	3.20E+01	39.800	1.100	31.144	0.861	-0.800
39.7	3.41E+01	42.000	1.100	33.211	0.870	1.200
39.9	3.36E+01	41.300	1.100	32.723	0.871	3.600
39.1	2.95E+01	36.100	1.100	28.585	0.871	2.300
39.1	2.53E+01	31.000	1.100	24.447	0.866	4.000
38.8	2.28E+01	28.000	1.100	21.968	0.863	1.000
38.8	2.24E+01	27.400	1.100	21.584	0.867	4.600
38.8	2.25E+01	27.400	1.100	21.607	0.867	2.300
38.4	2.26E+01	27.400	1.100	21.729	0.872	4.400
37.9	2.18E+01	26.300	1.100	20.969	0.877	5.600
37.9	1.95E+01	23.300	1.100	18.638	0.880	4.500
37.9	1.62E+01	19.100	1.100	15.334	0.881	8.000
37.5	1.35E+01	15.700	1.100	12.627	0.883	6.900
37.5	1.14E+01	13.100	1.100	10.563	0.887	10.000
37.4	9.80E+00	10.900	1.100	8.875	0.894	6.100
37.2	8.60E+00	9.400	1.100	7.702	0.901	7.900
37.2	8.10E+00	8.700	1.100	7.163	0.905	6.800
37.1	7.00E+00	7.400	1.100	6.111	0.907	4.400
37.1	6.10E+00	6.300	1.100	5.191	0.906	7.500
36.9	5.40E+00	5.400	1.100	4.446	0.906	3.800
36.9	4.90E+00	4.800	1.100	3.952	0.906	6.600

186.8	39.49738	1432	29.81	79.5	262.793858	333.48453
186.8	42.04617	1476	30.995	75.8	267.2375	345.725126
186.8	37.65456	1514	31.614	67.9	271.239884	350.6
186.8	43.12656	1558	32.29	78	264.501799	357.111137
186.8	40.54046	1603	33.53	70.5	249.21	364.78956
186.9	33.42802	1630	34.16	63.8	241.084934	361.630468
187.3	26.11211	1366	34.473	65	242.87296	354.279688
187.7	25.10358	1373	34.78	62.5	243.631538	347.319679
188	27.47635	1386	35.139	67.1	239.843424	342.37232
188.4	30.45654	1396	35.4	71	248.847648	341.8
188.6	26.79787	1416	36.02	61.5	247.423598	340.476162
188.6	23.19819	1420	36.02	55.1	244.06875	333.053061
188.6	22.68864	1421	36.02	55.8	243.997848	325.144554
188.6	23.18682	1418	36.02	41.9	244.539344	316.26337
188.6	23.08495	1421	36.02	44.2	249.933469	305.344396
188.6	23.4944	1415	36.02	50.8	249.7	300.32
188.6	23.78532	1425	36.02	57	252.873077	297.13353
188.6	29.51881	1433	36.588	72.1	253.67578	303.626558
188.6	41.15196	1467	37.233	74.6	258.089388	315.676923
188.6	37.2966	1477	37.26	70.7	261.493333	330.401399
	35.80466	1487	37.88	73.9	263.531667	334.08022
	36.77474	1494	37.88	78.6	264.696735	339.393744
	41.18167	1497	37.88	82.8	263.695833	348.70031
	45.5257	1506	38.459	83.5	270.935849	368.563689
	49.30322	1515	38.5	80.4	270.827044	385.0872
188.8	46.29325	1524	38.5	71	274.04477	396.462537
189.2	32.81056	1521	38.5	69.2	274.015449	387.870871
189.5	32.025	1500	37.959	73.3	273.85124	379.313469
189.9	32.00669	1485	37.88	71.7	276.780353	373.956144
190.2	33.6804	1474	37.26	77.7	276.1625	370.3975
	35.24779	1467	37.26	78.7	278.475	378.467133
	34.64042	1465	37.26	74.1	278.437866	374.719843
	29.90675	1454	37.26	66.4	276.100314	372.261083
	25.61493	1451	36.64	55.7	277.743724	363.501088
	24.94969	1442	36.64	51.9	275.386694	352.78912
192	23.07971	1430	36.101	53.5	273.447609	344.669048
191.6	22.4294	1425	36.02	53	272.635729	335.932382
191.3	23.02307	1416	36.02	47.4	276.541443	326.484898
190.9	23.17075	1424	36.02	33.6	276.685251	318.4616
190.5	23.54277	1411	36.02	27.5	274.24784	306.42012
190.4	23.09906	1405	35.441	27.2	271.879583	297.090119
190.4	22.95475	1408	35.429	27	269.2961	287.909806
190.4	23.04406	1407	35.864	30.3	270.996795	281.705769
190.4	22.86017	1406	35.4	31	270.905742	276.885017
190.4	22.9034	1406	36.02	30.2	267.916159	272.729967
190.4	22.84301	1393	35.4	28	266.379981	268.480645
190.4	22.49355	1403	35.4	23.2	265.45	264.492864

0.04578	0.02094	0.32363	475.49
0.04641	0.02117	0.32657	481.421
0.04736	0.02139	0.32963	487.49
0.04884	0.02148	0.33267	493.676
0.05047	0.02163	0.33546	499.742
0.05208	0.02172	0.33739	504.882
0.05339	0.0218	0.33909	508.63
0.0546	0.02188	0.341	511.919
0.0557	0.02196	0.3431	515.39
0.05664	0.02208	0.34534	519.17
0.05735	0.02213	0.34764	522.737
0.05788	0.02221	0.34925	525.718
0.05836	0.02225	0.35068	528.508
0.05885	0.02231	0.3525	531.173
0.05931	0.02241	0.35448	533.708
0.05973	0.02249	0.35626	535.991
0.0601	0.0226	0.35784	538.35
0.06048	0.02269	0.36002	541.498
0.06088	0.02285	0.36367	545.938
0.06128	0.02294	0.36644	551.314
0.06177	0.02303	0.36844	556.65
0.06252	0.0231	0.37062	561.643
0.0635	0.02317	0.3733	567.232
0.06475	0.02325	0.37562	574.084
0.06643	0.02325	0.37924	582.245
0.06835	0.02325	0.38236	589.852
0.07026	0.02325	0.38424	595.56
0.07215	0.02327	0.38584	600.23
0.07389	0.02333	0.38821	604.528
0.07544	0.02337	0.39087	609.01
0.07684	0.02344	0.39342	613.981
0.07808	0.02346	0.39526	619.006
0.0792	0.02353	0.39692	623.461
0.08017	0.02356	0.39863	627.232
0.08107	0.02361	0.40015	630.465
0.08185	0.02367	0.40119	633.191
0.08253	0.02372	0.40251	635.761
0.08311	0.02381	0.40395	638.338
0.0836	0.02389	0.40541	640.867
0.08402	0.024	0.40688	643.257
0.08438	0.02407	0.40834	645.355
0.08469	0.02416	0.40962	647.146
0.08498	0.02423	0.41157	648.735
0.08523	0.02428	0.41354	650.246
0.08545	0.02436	0.41544	651.781
0.08564	0.0244	0.41725	653.332
0.08581	0.02447	0.4189	654.894

10:18:01.351	-10	0.00016	0.00005	0.00148	1.528	0.000148
10:18:02.351	-10	0.00015	0.00006	0.00165	1.52	0.000147
10:18:03.351	-10	0.00015	0.00006	0.00156	1.561	0.000151
10:18:04.351	-10	0.00014	0.00006	0.00147	1.645	0.000159
10:18:05.351	-10	0.00014	0.00009	0.00143	1.801	0.000175
10:18:06.351	-10	0.00015	0.00006	0.00138	2.149	0.000208
10:18:07.351	-10	0.00014	0.00011	0.0017	2.701	0.000261
10:18:08.351	-10	0.00016	0.00009	0.00232	3.446	0.000333
10:18:09.351	-10	0.00018	0.0001	0.00274	4.019	0.000389
10:18:10.351	-10	0.0002	0.00008	0.00266	4.338	0.000419
10:18:11.351	-10	0.00025	0.00003	0.00245	4.417	0.000427
10:18:12.351	-10	0.00034	0.00007	0.00278	4.342	0.00042
10:18:13.351	-10	0.00042	0.00003	0.00235	4.395	0.000425
10:18:14.351	-10	0.00048	0.00009	0.00235	4.542	0.000439
10:18:15.351	-10	0.00044	0.00003	0.00186	4.009	0.000387
10:18:16.351	-10	0.0004	0.00005	0.00147	3.294	0.000318
10:18:17.351	-10	0.0004	0.00004	0.00121	2.711	0.000262
10:18:18.351	-10	0.00041	0.00003	0.00087	2.261	0.000219
10:18:19.351	-10	0.00041	0.00009	0.00152	2.121	0.000205
10:18:20.351	-10	0.00036	0.00006	0.00174	2.171	0.00021
10:18:21.351	-10	0.00031	0.0001	0.00154	2.247	0.000218
10:18:22.351	-10	0.00026	0.00007	0.00128	2.347	0.000227
10:18:23.351	-10	0.00023	0.00009	0.00125	2.303	0.000223
10:18:24.351	-10	0.00019	0.00008	0.00139	2.075	0.000201
10:18:25.351	-10	0.00014	0.00006	0.00118	1.656	0.00016
10:18:26.351	-10	0.00011	0.00005	0.00059	1.215	0.000118
10:18:27.351	-10	0.00009	0.00003	0.00064	0.917	0.000089
10:18:28.351	-10	0.00008	0.00004	0.00058	0.685	0.000066
10:18:29.351	-10	0.00008	0.00002	0.00046	0.514	0.00005
10:18:30.351	-10	0.00007	0.00005	0.00061	0.367	0.000036
10:18:31.351	-10	0.00007	0.00004	0.00059	0.262	0.000025
10:18:32.351	-10	0.00006	0.00002	0.00067	0.211	0.000021
10:18:33.351	-10	0.00008	0.00005	0.00086	0.245	0.000024
10:18:34.351	-10	0.00012	0.00004	0.00144	0.367	0.000036
10:18:35.351	-10	0.00014	0.00011	0.00249	0.632	0.000062
10:18:36.351	-10	0.0002	0.00013	0.0065	3.138	0.000305
10:18:37.351	-10	0.00029	0.00024	0.00887	8.128	0.000787
10:18:38.351	-10	0.00071	0.00019	0.00769	12.114	0.001171
10:18:39.351	-10	0.00215	0.00019	0.00626	13.48	0.001302
10:18:40.351	-10	0.00303	0.00032	0.00525	12.778	0.001234
10:18:41.351	-10	0.00347	0.0001	0.00489	12.832	0.001239
10:18:42.351	-10	0.00362	0.00017	0.00406	13.104	0.001264
10:18:43.351	-10	0.00416	0.0001	0.0031	14.082	0.001359
10:18:44.351	-10	0.00362	0.00015	0.00317	11.442	0.001105
10:18:45.351	-10	0.00234	0.00009	0.00316	7.333	0.000708
10:18:46.351	-10	0.00203	0.00006	0.00369	7.072	0.000683
10:18:47.351	-10	0.00212	0.00013	0.00427	9.703	0.000936

36.9	4.50E+00	4.400	1.100	3.627	0.907	4.200
36.9	4.30E+00	4.100	1.100	3.382	0.907	5.700
36.9	4.10E+00	3.900	1.100	3.212	0.906	5.100
36.9	3.90E+00	3.700	1.100	3.042	0.904	5.400
36.9	3.80E+00	3.500	1.100	2.870	0.901	8.000
36.9	3.70E+00	3.500	1.100	2.849	0.896	4.900
36.9	3.40E+00	3.100	1.100	2.506	0.888	8.900
36.9	3.40E+00	3.100	1.200	2.481	0.960	6.300
36.5	3.50E+00	3.200	1.200	2.541	0.953	6.500
36.5	3.80E+00	3.600	1.200	2.847	0.950	5.200
36.5	4.90E+00	5.000	1.200	3.929	0.947	2.000
36.2	6.70E+00	7.300	1.200	5.749	0.948	4.700
36.2	8.10E+00	9.100	1.200	7.185	0.948	1.900
35.9	9.10E+00	10.400	1.200	8.197	0.947	5.500
35.9	9.80E+00	11.200	1.200	8.806	0.945	2.100
35.9	1.06E+01	12.100	1.300	9.535	1.024	4.300
35.9	1.15E+01	13.200	1.300	10.508	1.035	3.900
35.8	1.21E+01	13.700	1.300	11.026	1.046	3.300
35.8	1.20E+01	13.600	1.300	10.993	1.051	8.800
35	1.04E+01	11.600	1.300	9.394	1.050	6.100
34.8	9.00E+00	9.800	1.300	7.915	1.048	10.100
34.8	7.60E+00	8.200	1.300	6.590	1.045	6.700
34.8	6.80E+00	7.200	1.300	5.790	1.044	8.700
34.4	6.20E+00	6.400	1.300	5.151	1.045	8.700
34.4	5.60E+00	5.600	1.300	4.520	1.049	7.700
33.5	5.10E+00	5.000	1.300	4.065	1.056	8.000
32	5.00E+00	4.800	1.300	3.933	1.065	4.600
31.8	4.60E+00	4.200	1.300	3.477	1.075	7.700
27.5	4.50E+00	4.100	1.300	3.422	1.085	4.200
27.5	4.30E+00	3.900	1.200	3.283	1.010	10.600
27.3	4.10E+00	3.600	1.200	3.046	1.015	7.800
21.9	3.80E+00	3.300	1.200	2.801	1.018	5.000
16.7	3.50E+00	2.900	1.200	2.467	1.020	7.200
16.7	3.40E+00	2.800	1.200	2.384	1.021	3.600
16.6	3.10E+00	2.500	1.200	2.122	1.016	8.400
13.7	2.80E+00	2.300	1.100	1.895	0.905	6.300
13.8	2.60E+00	2.100	1.200	1.679	0.957	7.200
15.2	5.20E+00	5.300	1.400	4.146	1.102	4.700
15.4	1.49E+01	17.600	1.500	13.764	1.175	4.400
20.8	2.25E+01	27.300	1.500	21.360	1.174	7.800
21.1	2.65E+01	32.500	1.500	25.353	1.169	2.600
28.4	2.84E+01	35.200	1.400	27.320	1.087	4.500
34.5	3.02E+01	37.500	1.400	29.116	1.087	2.500
34.5	3.05E+01	37.600	1.400	29.384	1.094	4.200
34.8	2.86E+01	34.900	1.400	27.497	1.102	3.500
39.8	2.61E+01	31.800	1.400	24.995	1.100	2.800
41.9	2.31E+01	28.400	1.400	21.985	1.083	4.700

190.4	22.965	1404	35.4	29.5	264.73681	262.312232
190.4	22.84855	1406	35.4	36.1	265.500192	260.336854
190.4	22.99268	1408	36.02	40.1	265.173333	258.835525
190.4	23.16	1406	35.4	48.5	265.058462	260.4899
190.4	23.15088	1410	35.573	50.7	265.843186	263.2636
190.4	25.04323	1402	35.4	60.9	266.410312	268.687904
190.4	27.04105	1395	35.4	63.4	267.308108	276.576138
190.4	29.60014	1389	34.946	68.6	269.3706	285.316094
190.4	32.05786	1383	34.97	74.9	269.60988	294.848865
190.4	33.27063	1381	34.78	75.5	274.07526	306.763743
190.4	30.54741	1369	34.78	71.9	276.177675	312.640681
190.4	31.40414	1365	34.78	73.9	277.146296	315.5816
190.4	32.70455	1359	34.78	77.6	277.969102	320.714908
190.4	33.46054	1366	34.78	76.8	284.419271	327.606089
190.4	28.04765	1372	34.78	54.4	283.204291	331.066818
190.4	21.51	1359	34.688	40.2	286.6996	319.715171
190.4	21.19968	1340	34.16	51.5	286.7196	310.242547
190.4	21.03224	1329	33.53	40.8	284.172811	302.637766
190.4	22.05615	1319	33.53	52.4	284.323654	295.467029
190.4	22.3329	1320	33.53	51.7	283.707992	293.177956
190.4	22.25371	1315	33.53	50.2	280.998868	291.056202
190.4	22.09418	1303	33.077	49.1	280.498848	288.727273
	21.43171	1300	32.91	38.7	279.497688	284.720357
	18.18321	1275	32.29	15.3	277.341509	276.875941
	18.47042	1247	31.67	1.6	272.698747	265.889888
	11.39962	1208	30.605	0.1	268.188615	255.538492
	10.84385	1134	28.582	0	263.18472	247.30098
190.4	10.4525	1170	25.919	0	260.19038	240.699355
190.4	10.68158	1116	23.115	0	261.819926	234.215701
190.4	10.96615	1191	21.136	0.1	259.731772	228.634623
190.4	10.26943	1063	18.745	2.3	258.077632	223.792475
190.4	10.22061	1153	15.67	0.1	255.742357	219.09824
190.4	11.76	1036	14.374	3.9	252.904894	215.040039
190.4	25.80069	1511	13.66	33.1	253.027209	216.440615
190.4	28.64992	1426	13.836	51.8	266.643609	226.54975
190.4	48.45714	1640	15.216	78.2	272.549105	248.283535
	65.25128	1909	17.564	71.5	274.905521	287.489903
	88.82721	2173	20.558	72.4	277.907547	337.1
	98.00918	2297	24.273	72.8	278.971313	373.823459
	82.33741	2077	27.618	76.3	282.6436	398.463673
	83.56365	1920	30.671	80.4	280.727137	419.088791
190.6	80.36792	1917	33.731	81.3	277.182311	437.961994
191	85.22318	2069	36.379	78.8	292.846281	453.868696
191.4	78.69206	2094	38.502	72.2	318.152493	453.562646
191.8	52.0798	1808	39.74	71.3	345.691002	440.833333
192.2	46.80571	1601	40.817	90.4	333.429231	438.43989
192.9	59.06087	1635	41.547	81.4	322.538772	448.524973

0.08597	0.02452	0.42038	656.422
0.08612	0.02458	0.42203	657.942
0.08627	0.02464	0.42359	659.503
0.08641	0.0247	0.42506	661.148
0.08655	0.02479	0.42649	662.949
0.0867	0.02485	0.42787	665.098
0.08684	0.02496	0.42957	667.799
0.087	0.02505	0.43189	671.245
0.08718	0.02515	0.43463	675.264
0.08738	0.02523	0.43729	679.602
0.08763	0.02526	0.43974	684.019
0.08797	0.02533	0.44252	688.361
0.08839	0.02536	0.44487	692.756
0.08887	0.02545	0.44722	697.298
0.08931	0.02548	0.44908	701.307
0.08971	0.02553	0.45055	704.601
0.09011	0.02557	0.45176	707.312
0.09052	0.0256	0.45263	709.573
0.09093	0.02569	0.45415	711.694
0.09129	0.02575	0.45589	713.865
0.0916	0.02585	0.45743	716.112
0.09186	0.02592	0.45871	718.459
0.09209	0.02601	0.45996	720.762
0.09228	0.02609	0.46135	722.837
0.09242	0.02615	0.46253	724.493
0.09253	0.0262	0.46312	725.708
0.09262	0.02623	0.46376	726.625
0.0927	0.02627	0.46434	727.31
0.09278	0.02629	0.4648	727.824
0.09285	0.02634	0.46541	728.191
0.09292	0.02638	0.466	728.453
0.09298	0.0264	0.46667	728.664
0.09306	0.02645	0.46753	728.909
0.09318	0.02649	0.46897	729.276
0.09332	0.0266	0.47146	729.908
0.09352	0.02673	0.47796	733.046
0.09381	0.02697	0.48683	741.174
0.09452	0.02716	0.49452	753.288
0.09667	0.02735	0.50078	766.768
0.0997	0.02767	0.50603	779.546
0.10317	0.02777	0.51092	792.378
0.10679	0.02794	0.51498	805.482
0.11095	0.02804	0.51808	819.564
0.11457	0.02819	0.52125	831.006
0.11691	0.02828	0.52441	838.339
0.11894	0.02834	0.5281	845.411
0.12106	0.02847	0.53237	855.114

10:18:48.351	-10	0.00204	0.00008	0.00371	11.016	0.001062
10:18:49.351	-10	0.00199	0.00014	0.00295	11.448	0.001104
10:18:50.351	-10	0.00179	0.00006	0.00361	10.196	0.000984
10:18:51.351	-10	0.0015	0.00009	0.00306	8.307	0.000802
10:18:52.351	-10	0.0011	0.00005	0.00247	6.537	0.000631
10:18:53.351	-10	0.00105	0	0.00291	7.415	0.000716
10:18:54.351	-10	0.00124	0.00012	0.00398	11.578	0.001116
10:18:55.351	-10	0.00126	0.00014	0.00429	12.827	0.001236
10:18:56.351	-10	0.00171	0.00019	0.00435	12.804	0.001234
10:18:57.351	-10	0.00231	0.00004	0.00451	13.028	0.001256
10:18:58.351	-10	0.00274	0.00013	0.00435	13.257	0.001278
10:18:59.351	-10	0.00293	0.00007	0.00427	13.336	0.001286
10:19:00.351	-10	0.00242	0.00004	0.00386	10.626	0.001025
10:19:01.351	-10	0.00196	0.00006	0.00295	9.122	0.00088
10:19:02.351	-10	0.00162	0.00001	0.0033	9.066	0.000875
10:19:03.351	-10	0.00131	0.00015	0.00316	9.238	0.000891
10:19:04.351	-10	0.00101	0.00006	0.00302	9.35	0.000902
10:19:05.351	-10	0.00086	0.00011	0.00327	9.515	0.000918
10:19:06.351	-10	0.00077	0.00009	0.00363	9.611	0.000928
10:19:07.351	-10	0.00071	0.00012	0.0032	9.406	0.000908
10:19:08.351	-10	0.00055	0.00012	0.00231	7.624	0.000736
10:19:09.351	-10	0.00045	0.00004	0.00216	6.585	0.000636
10:19:10.351	-10	0.00044	0.00009	0.00253	7.028	0.000678
10:19:11.351	-10	0.00041	0.00005	0.00263	7.22	0.000697
10:19:12.351	-10	0.00038	0.00009	0.0024	7.312	0.000706
10:19:13.351	-10	0.00037	0.00006	0.00253	7.849	0.000757
10:19:14.351	-10	0.00042	0.00008	0.00262	9.593	0.000925
10:19:15.351	-10	0.0004	0.00019	0.00222	9.587	0.000925
10:19:16.351	-10	0.00033	0.00008	0.0019	7.497	0.000724
10:19:17.351	-10	0.00032	0.00015	0.00238	6.951	0.000671
10:19:18.351	-10	0.00033	0.0001	0.00332	7.664	0.00074
10:19:19.351	-10	0.00034	0.00014	0.00265	8.019	0.000774
10:19:20.351	-10	0.00034	0.0001	0.00264	8.044	0.000776
10:19:21.351	-10	0.00032	0.00007	0.0026	7.829	0.000756
10:19:22.351	-10	0.00031	0.00017	0.00264	7.977	0.00077
10:19:23.351	-10	0.00032	0.0001	0.00265	8.611	0.000831
10:19:24.351	-10	0.00033	0.00021	0.00242	9.184	0.000886
10:19:25.351	-10	0.00031	0.0001	0.00254	9.61	0.000927
10:19:26.351	-10	0.00031	0.00018	0.00294	9.256	0.000893
10:19:27.351	-10	0.00028	0.00014	0.00241	7.755	0.000749
10:19:28.351	-10	0.00026	0.00015	0.00254	7.369	0.000712
10:19:29.351	-10	0.00025	0.00014	0.00287	6.981	0.000674
10:19:30.351	-10	0.00023	0.00008	0.00266	6.402	0.000618
10:19:31.351	-10	0.0002	0.00015	0.00248	5.823	0.000562
10:19:32.351	-10	0.0002	0.00009	0.00283	5.818	0.000562
10:19:33.351	-10	0.0002	0.00014	0.0032	5.848	0.000565
10:19:34.351	-10	0.00021	0.00015	0.00348	6.511	0.000629

41.9	2.03E+01	25.000	1.400	19.258	1.079	2.500
42	1.88E+01	23.100	1.300	17.831	1.004	4.300
43.9	1.80E+01	21.900	1.300	17.005	1.009	2.000
46.1	1.74E+01	21.000	1.300	16.413	1.016	3.700
46.1	1.60E+01	19.100	1.300	14.956	1.017	2.600
46.2	1.41E+01	16.900	1.200	13.163	0.935	-1.000
47.5	1.19E+01	14.300	1.200	11.013	0.923	3.700
47.5	1.13E+01	13.500	1.200	10.354	0.920	4.000
48.8	1.51E+01	18.400	1.200	14.149	0.922	5.500
50.5	1.97E+01	24.300	1.200	18.734	0.924	1.100
50.5	2.27E+01	28.300	1.200	21.796	0.925	3.600
50.6	2.38E+01	29.600	1.200	22.855	0.927	1.900
52.2	2.39E+01	29.600	1.200	22.934	0.930	1.400
52.3	2.22E+01	27.400	1.200	21.257	0.931	2.300
53.9	1.85E+01	22.600	1.200	17.552	0.931	0.200
53.9	1.46E+01	17.600	1.200	13.671	0.931	5.400
54.5	1.11E+01	13.000	1.200	10.127	0.932	2.300
55.4	9.20E+00	10.600	1.200	8.253	0.933	4.000
55.4	8.10E+00	9.200	1.200	7.169	0.933	3.100
55.4	7.50E+00	8.400	1.200	6.551	0.936	4.200
56.3	6.90E+00	7.600	1.200	5.946	0.938	4.900
56.3	6.50E+00	7.100	1.200	5.555	0.939	1.900
57.2	6.20E+00	6.800	1.200	5.302	0.935	4.400
57.8	5.80E+00	6.200	1.200	4.822	0.933	2.400
57.8	5.30E+00	5.600	1.200	4.359	0.933	4.000
58.3	4.90E+00	5.100	1.200	3.960	0.932	2.700
58.3	4.60E+00	4.800	1.200	3.718	0.929	2.800
58.3	4.40E+00	4.500	1.200	3.488	0.930	6.800
59.2	4.30E+00	4.400	1.100	3.435	0.859	3.500
59.2	4.40E+00	4.500	1.100	3.521	0.861	6.900
60	4.30E+00	4.500	1.000	3.505	0.779	4.300
60	4.30E+00	4.500	1.000	3.497	0.777	6.100
60.4	4.30E+00	4.500	1.000	3.499	0.778	4.300
60.4	4.10E+00	4.300	1.000	3.349	0.779	3.100
61.1	3.90E+00	4.000	1.000	3.115	0.778	6.900
61.6	3.80E+00	3.900	1.000	3.030	0.777	4.000
61.6	3.70E+00	3.800	1.000	2.947	0.775	8.000
61.6	3.40E+00	3.400	1.000	2.639	0.775	3.500
62.4	3.40E+00	3.400	1.000	2.646	0.778	6.600
63.3	3.40E+00	3.400	1.000	2.658	0.782	5.900
63.3	3.40E+00	3.300	1.000	2.585	0.783	6.200
63.9	3.40E+00	3.300	1.000	2.584	0.783	6.300
63.9	3.40E+00	3.300	1.000	2.587	0.784	4.000
63.9	3.20E+00	3.100	1.000	2.435	0.786	8.000
64.1	3.10E+00	3.000	1.000	2.362	0.787	4.600
64.1	3.00E+00	2.800	1.000	2.209	0.788	7.200
64.1	2.90E+00	2.700	1.000	2.126	0.787	6.900

193.7	63.33361	1678	42.793	77.6	327.012384	459.156919
194.4	65.66933	1724	44.052	76.7	331.649098	465.917533
195.1	59.97343	1764	44.71	66.6	331.864528	464.032673
195.8	53.60152	1792	45.33	78.5	332.029685	458.556754
195.8	44.9261	1558	45.95	81.2	335.19771	452.855193
195.8	44.48789	1512	46.58	87.6	332.955947	452.222222
195.8	65.33412	1541	47.2	82.7	328.269632	464.129787
195.8	71.11302	1570	48.53	81.8	313.765192	480.242291
	69.75516	1598	49.125	83.1	323.097143	491.18549
	74.16935	1623	50.3	82.7	327.736207	498.896204
	75.55996	1651	50.92	82.3	332.479661	504.442689
	75.76906	1677	51.602	81	337.713636	508.534659
	63.0934	1692	52.16	74.9	339.311372	506.456428
197.7	54.29018	1706	52.78	80.5	331.994495	499.546402
198	53.47722	1716	52.78	73.6	310.596058	493.061739
198.4	55.5172	1726	53.41	75.7	318.457678	488.465524
198.8	56.94768	1737	53.635	75.3	316.972255	485.276548
199.1	58.0535	1753	54.03	74.5	323.913619	483.370968
	58.8647	1768	54.65	74.9	319.828026	482.227848
	58.97768	1780	54.841	73	326.971719	480.735812
	51.88627	1738	55.27	75.7	331.417702	475.152849
	41.80912	1502	55.89	81.1	330.919512	470.639024
	43.4078	1508	56.069	83.7	333.142857	471.014286
199.4	43.59836	1516	56.042	79.8	337.563118	468.930588
199.4	44.90311	1522	56.612	78.7	343.444563	466.13
199.4	46.99178	1533	56.705	78.8	334.494444	466.534348
199.4	55.52064	1544	57.446	77.9	318.5	476.996313
199.4	55.8494	1558	57.75	72.1	335.227755	481.852174
199.4	47.24012	1565	58.175	76.7	330.280645	476.276923
199.4	44.61329	1572	58.37	82.1	328.967623	472.618182
199.4	47.05695	1578	58.37	80.7	342.748008	474.074593
199.4	49.39738	1584	58.99	77.7	365.808163	474.931223
199.4	49.28218	1592	58.99	74.2	381.911278	473.797049
199.4	48.37545	1599	59.62	76.6	384.1875	472.089659
199.4	49.6175	1605	59.62	76.8	397.975	471.758824
199.4	51.46329	1615	59.894	78.7	395.453543	474.121508
199.4	54.08465	1627	60.24	77.9	401.820219	479.015029
199.4	55.69427	1638	60.86	75.4	394.583019	481.883696
199.4	57.192	1650	61.304	64.7	398.576923	480.965
199.4	49.26132	1659	61.48	75.6	397.840909	477.008644
199.4	47.97611	1663	61.935	79.1	398.785714	474.199176
199.4	44.4078	1667	62.1	75.7	384.387876	469.646145
199.4	43.33	1671	62.1	76.8	384.045936	463.317047
199.4	37.75346	1670	62.1	72.2	383.608413	455.706587
199.4	39.93682	1670	62.1	73.3	378.064781	447.305
199.4	41.13632	1670	62.1	72.1	371.06383	441.937074
199.4	45.32969	1676	62.1	78.2	366.971591	442.445

0.1231	0.02855	0.53608	866.13
0.12509	0.02869	0.53903	877.578
0.12688	0.02875	0.54264	887.774
0.12838	0.02884	0.5457	896.081
0.12948	0.02889	0.54817	902.618
0.13053	0.02889	0.55108	910.033
0.13177	0.02901	0.55506	921.611
0.13303	0.02915	0.55935	934.438
0.13474	0.02934	0.5637	947.242
0.13705	0.02938	0.56821	960.27
0.13979	0.02951	0.57256	973.527
0.14272	0.02958	0.57683	986.863
0.14514	0.02962	0.58069	997.489
0.1471	0.02968	0.58364	1006.611
0.14872	0.02969	0.58694	1015.677
0.15003	0.02984	0.5901	1024.915
0.15104	0.0299	0.59312	1034.265
0.1519	0.03001	0.59639	1043.78
0.15267	0.0301	0.60002	1053.391
0.15338	0.03022	0.60322	1062.797
0.15393	0.03034	0.60553	1070.421
0.15438	0.03038	0.60769	1077.006
0.15482	0.03047	0.61022	1084.034
0.15523	0.03052	0.61285	1091.254
0.15561	0.03061	0.61525	1098.566
0.15598	0.03067	0.61778	1106.415
0.1564	0.03075	0.6204	1116.008
0.1568	0.03094	0.62262	1125.595
0.15713	0.03102	0.62452	1133.092
0.15745	0.03117	0.6269	1140.043
0.15778	0.03127	0.63022	1147.707
0.15812	0.03141	0.63287	1155.726
0.15846	0.03151	0.63551	1163.77
0.15878	0.03158	0.63811	1171.599
0.15909	0.03175	0.64075	1179.576
0.15941	0.03185	0.6434	1188.187
0.15974	0.03206	0.64582	1197.371
0.16005	0.03216	0.64836	1206.981
0.16036	0.03234	0.6513	1216.237
0.16064	0.03248	0.65371	1223.992
0.1609	0.03263	0.65625	1231.361
0.16115	0.03277	0.65912	1238.342
0.16138	0.03285	0.66178	1244.744
0.16158	0.033	0.66426	1250.567
0.16178	0.03309	0.66709	1256.385
0.16198	0.03323	0.67029	1262.233
0.16219	0.03338	0.67377	1268.744

10:19:35.351	-10	0.00021	0.00009	0.0033	7.637	0.000737
10:19:36.351	-10	0.00021	0.00015	0.00266	7.664	0.00074
10:19:37.351	-10	0.0002	0.00008	0.00272	7.85	0.000758
10:19:38.351	-10	0.0002	0.00019	0.0027	7.849	0.000758
10:19:39.351	-10	0.00021	0.00013	0.00276	8.052	0.000777
10:19:40.351	-10	0.0002	0.00019	0.00289	7.685	0.000742
10:19:41.351	-10	0.00019	0.00016	0.00298	7.594	0.000733
10:19:42.351	-10	0.00018	0.00016	0.00248	6.798	0.000657
10:19:43.351	-10	0.00016	0.00014	0.00257	6.123	0.000591
10:19:44.351	-10	0.00015	0.00008	0.00249	5.819	0.000562
10:19:45.351	-10	0.00014	0.00018	0.00227	5.22	0.000504
10:19:46.351	-10	0.00013	0.00018	0.00239	5.016	0.000485
10:19:47.351	-10	0.00013	0.00012	0.00264	5.039	0.000487
10:19:48.351	-10	0.00012	0.00008	0.00271	5.141	0.000497
10:19:49.351	-10	0.00012	0.00011	0.0029	5.592	0.00054
10:19:50.351	-10	0.00012	0.00014	0.00279	6.155	0.000595
10:19:51.351	-10	0.00012	0.00009	0.00243	6.248	0.000604
10:19:52.351	-10	0.00012	0.00015	0.00223	6.162	0.000595
10:19:53.351	-10	0.00013	0.00009	0.00279	6.652	0.000642
10:19:54.351	-10	0.00014	0.00016	0.00424	7.633	0.000737
10:19:55.351	-10	0.00013	0.00011	0.00336	7.304	0.000705
10:19:56.351	-10	0.00011	0.00006	0.00234	6.089	0.000588
10:19:57.351	-10	0.00011	0.00012	0.00253	5.717	0.000552
10:19:58.351	-10	0.0001	0.00004	0.00278	5.647	0.000546
10:19:59.351	-10	0.0001	0.00011	0.00266	5.441	0.000526
10:20:00.351	-10	0.00009	0.00004	0.00245	4.927	0.000476
10:20:01.351	-10	0.00009	0.00009	0.0025	4.987	0.000482
10:20:02.351	-10	0.0001	0.00009	0.00294	6.149	0.000594
10:20:03.351	-10	0.00012	0.00013	0.00349	7.941	0.000767
10:20:04.351	-10	0.00016	0.0002	0.00345	10.948	0.001056
10:20:05.351	-10	0.00016	0.00005	0.00235	11.639	0.001122
10:20:06.351	-10	0.00017	0.00001	0.00249	11.76	0.001134
10:20:07.351	-10	0.00018	0	0.00304	11.687	0.001127
10:20:08.351	-10	0.00013	0	0.00262	8.111	0.000783
10:20:09.351	-10	0.00011	0	0.00142	5.611	0.000542
10:20:10.351	-10	0.00011	0.00005	0.00127	5.197	0.000502
10:20:11.351	-10	0.00013	0.0001	0.00222	6.718	0.000649
10:20:12.351	-10	0.00016	0.00006	0.00358	9.609	0.000927
10:20:13.351	-10	0.00017	0.00013	0.00447	10.85	0.001047
10:20:14.351	-10	0.00013	0.00003	0.00246	7.959	0.000768
10:20:15.351	-10	0.0001	0.00005	0.0023	5.716	0.000552
10:20:16.351	-10	0.0001	0.00003	0.00258	5.119	0.000495
10:20:17.351	-10	0.00009	0.00006	0.00266	5.354	0.000517
10:20:18.351	-10	0.00012	0.00008	0.00338	7.552	0.000729
10:20:19.351	-10	0.00016	0.00007	0.00374	11.444	0.001104
10:20:20.351	-10	0.00013	0.00015	0.00183	9.049	0.000873
10:20:21.351	-10	0.0001	0.00003	0.00181	6.238	0.000602

64.2	2.70E+00	2.400	1.000	1.879	0.782	3.600
64.2	2.60E+00	2.300	1.000	1.799	0.782	6.100
64.7	2.50E+00	2.200	1.000	1.721	0.782	3.300
64.7	2.50E+00	2.200	1.000	1.719	0.781	8.000
64.7	2.50E+00	2.200	1.000	1.719	0.781	5.100
64.9	2.50E+00	2.200	1.000	1.722	0.783	7.700
64.9	2.40E+00	2.200	0.900	1.722	0.704	6.700
65.6	2.40E+00	2.200	0.900	1.725	0.706	7.100
65.9	2.40E+00	2.100	0.900	1.650	0.707	7.200
65.9	2.40E+00	2.100	0.900	1.651	0.708	4.400
65.9	2.40E+00	2.100	0.900	1.653	0.709	10.400
65.8	2.30E+00	2.000	0.900	1.580	0.710	10.700
65.8	2.20E+00	1.900	0.900	1.503	0.712	7.000
65.1	2.00E+00	1.600	0.900	1.268	0.712	4.300
64.7	1.90E+00	1.500	0.900	1.185	0.711	5.800
64.7	1.80E+00	1.400	0.900	1.105	0.709	6.600
64.7	1.80E+00	1.400	0.900	1.100	0.707	4.600
64.6	1.80E+00	1.400	0.900	1.099	0.707	7.600
64.4	1.80E+00	1.400	0.900	1.097	0.705	4.300
64.4	1.80E+00	1.400	0.900	1.093	0.702	7.000
64.3	1.70E+00	1.300	0.900	1.015	0.703	5.100
64.3	1.70E+00	1.300	0.900	1.019	0.705	3.100
64.3	1.70E+00	1.300	0.900	1.022	0.708	6.300
64.3	1.70E+00	1.300	0.800	1.022	0.631	2.200
64.2	1.70E+00	1.300	0.900	1.022	0.707	6.000
64.2	1.70E+00	1.300	0.800	1.023	0.632	2.600
63.8	1.60E+00	1.200	0.800	0.946	0.630	5.200
63.8	1.60E+00	1.200	0.800	0.941	0.628	4.500
63.4	1.60E+00	1.200	0.800	0.934	0.623	5.600
63.4	1.50E+00	1.200	0.800	0.927	0.618	6.600
63.4	1.50E+00	1.200	0.800	0.926	0.618	1.600
63.8	1.50E+00	1.200	0.800	0.928	0.619	0.300
64.7	1.60E+00	1.300	0.800	1.006	0.620	-1.800
64.7	1.60E+00	1.300	0.800	1.014	0.624	-0.300
64.7	1.70E+00	1.400	0.800	1.099	0.628	-1.000
65.7	1.80E+00	1.500	0.800	1.182	0.630	2.600
65.4	1.80E+00	1.500	0.800	1.176	0.627	4.800
65.4	1.80E+00	1.500	0.800	1.163	0.620	2.300
65.4	1.70E+00	1.400	0.800	1.084	0.619	4.400
65.1	1.70E+00	1.400	0.800	1.089	0.622	1.200
65.1	1.70E+00	1.400	0.800	1.097	0.627	3.000
65.9	1.70E+00	1.400	0.700	1.103	0.552	1.600
65.9	1.50E+00	1.200	0.700	0.946	0.551	3.200
65.9	1.50E+00	1.200	0.700	0.938	0.547	3.500
65.8	1.50E+00	1.200	0.700	0.931	0.543	2.000
65.8	1.50E+00	1.200	0.700	0.934	0.545	5.600
65.9	1.50E+00	1.200	0.700	0.943	0.550	1.400

199.4	50.82757	1681	62.314	76.3	357.217308	448.429444
199.4	51.06998	1688	62.72	75.6	361.141038	452.953998
199.4	51.21368	1694	62.72	75.5	364.889077	455.788824
199.4	51.83331	1700	63.34	75.5	365.603479	458.370858
199.4	52.17811	1704	63.34	73.1	362.281674	459.71916
	50.87914	1712	63.692	75.8	352.522642	459.9
	50.0248	1715	63.96	74	355.127358	459.216977
	44.78143	1716	63.96	74.6	357.64819	455.443359
	42.90244	1717	63.96	77.5	355.740714	451.640185
	39.74783	1712	63.655	76.1	358.882609	446.926002
197.6	36.54606	1703	63.34	72.3	358.815769	441.945
197.6	35.86159	1696	63.049	65.6	358.588054	433.612772
197.6	37.04763	1691	62.72	66.2	355.519821	426.879785
197.6	39.13746	1685	62.72	69.5	371.795634	423.613026
197.6	42.1808	1683	62.72	72.8	369.761323	423.185577
197.6	44.38392	1680	62.72	75.6	368.4044	426.405479
197.6	43.93442	1679	62.72	76.9	368.174545	430.422026
197.6	43.24866	1677	62.1	77	366.973695	431.217959
197.6	46.18345	1678	62.1	78.1	369.469654	433.079307
197.6	50.01397	1679	62.1	77	373.631864	442.015161
197.6	49.2489	1681	62.72	72.6	381.449875	446.752717
197.6	38.98067	1679	62.589	75.7	390.020385	443.719348
197.6	39.48485	1675	62.1	76.5	389.560104	439.615455
197.6	39.20917	1673	62.371	76.4	397.309135	436.9354
197.6	35.95732	1668	62.1	75	390.235728	433.343165
197.6	35.91529	1662	61.694	74.2	388.787528	428.051435
197.6	36.11611	1655	61.48	76.4	381.287707	424.023626
197.6	41.63458	1653	61.48	79.9	364.360127	424.794231
197.6	52.65095	1656	61.48	80.3	360.178125	441.443696
197.6	61.72624	1665	61.947	83.7	372.2	457.910891
197.6	68.08929	1677	62.1	89.6	380.546217	474.668942
197.6	69.139	1692	62.72	90.4	378.802817	483.967745
197.6	70.43292	1707	63.282	83.9	381.475628	491.7
197.6	51.93693	1714	63.34	77	381.654694	491.311034
197.6	28.98096	1708	63.34	79	376.86	477.463084
197.6	33.25148	1702	63.34	81.1	384.500626	467.7344
197.6	45.31668	1699	63.34	85.9	389.791688	467.030468
197.6	58.62	1702	63.34	91.5	414.841805	478.615
197.6	65.8021	1710	63.673	83	423.332383	489.45099
197.6	57.0931	1717	63.96	87.4	425.687683	488.921543
197.6	28.83603	1719	63.96	84.8	420.45092	478.751679
197.6	31.9102	1712	63.523	77	409.201636	466.330809
197.6	38.58798	1710	63.34	71.7	402.465769	459.678122
197.6	46.78902	1715	63.787	86.7	401.33815	461.7708
	74.01332	1731	64.406	86.8	405.190943	476.795842
	63.55887	1747	65.004	77.7	417.869942	487.313333
	40.36129	1758	65.2	86.4	416.654876	480.315996

0.1624	0.03347	0.67707	1276.381
0.16261	0.03362	0.67973	1284.045
0.16281	0.0337	0.68245	1291.895
0.16301	0.03389	0.68515	1299.744
0.16322	0.03402	0.68791	1307.796
0.16342	0.03421	0.6908	1315.481
0.16361	0.03437	0.69378	1323.075
0.16379	0.03453	0.69626	1329.873
0.16395	0.03467	0.69883	1335.996
0.1641	0.03475	0.70132	1341.815
0.16424	0.03493	0.70359	1347.035
0.16437	0.03511	0.70598	1352.051
0.1645	0.03523	0.70862	1357.09
0.16462	0.03531	0.71133	1362.231
0.16474	0.03542	0.71423	1367.823
0.16486	0.03556	0.71702	1373.978
0.16498	0.03565	0.71945	1380.226
0.1651	0.0358	0.72168	1386.388
0.16523	0.03589	0.72447	1393.04
0.16537	0.03605	0.72871	1400.673
0.1655	0.03616	0.73207	1407.977
0.16561	0.03622	0.73441	1414.066
0.16572	0.03634	0.73694	1419.783
0.16582	0.03638	0.73972	1425.43
0.16592	0.03649	0.74238	1430.871
0.16601	0.03653	0.74483	1435.798
0.1661	0.03662	0.74733	1440.785
0.1662	0.03671	0.75027	1446.934
0.16632	0.03684	0.75376	1454.875
0.16648	0.03704	0.75721	1465.823
0.16664	0.03709	0.75956	1477.462
0.16681	0.0371	0.76205	1489.222
0.16699	0.0371	0.76509	1500.909
0.16712	0.0371	0.76771	1509.02
0.16723	0.0371	0.76913	1514.631
0.16734	0.03715	0.7704	1519.828
0.16747	0.03725	0.77262	1526.546
0.16763	0.03731	0.7762	1536.155
0.1678	0.03744	0.78067	1547.005
0.16793	0.03747	0.78313	1554.964
0.16803	0.03752	0.78543	1560.68
0.16813	0.03755	0.78801	1565.799
0.16822	0.03761	0.79067	1571.153
0.16834	0.03769	0.79405	1578.705
0.1685	0.03776	0.79779	1590.149
0.16863	0.03791	0.79962	1599.198
0.16873	0.03794	0.80143	1605.436

10:20:22.351	-10	0.0001	0.00007	0.00219	5.501	0.000531
10:20:23.351	-10	0.0001	0.00004	0.00226	5.424	0.000524
10:20:24.351	-10	0.00009	0.00005	0.00219	5.269	0.000509
10:20:25.351	-10	0.00009	0.0001	0.0021	4.992	0.000482
10:20:26.351	-10	0.00009	0.00008	0.00213	4.913	0.000475
10:20:27.351	-10	0.00009	0.00015	0.00234	4.838	0.000467
10:20:28.351	-10	0.00009	0.00009	0.00254	4.923	0.000476
10:20:29.351	-10	0.00009	0.00015	0.00261	5.134	0.000496
10:20:30.351	-10	0.00008	0.00011	0.00252	5.107	0.000493
10:20:31.351	-10	0.00007	0.00013	0.00218	4.945	0.000478
10:20:32.351	-10	0.00007	0.00015	0.00218	4.948	0.000478
10:20:33.351	-10	0.00007	0.00012	0.00237	4.872	0.000471
10:20:34.351	-10	0.00007	0.00017	0.00247	4.829	0.000467
10:20:35.351	-9.7	0.00007	0.00012	0.00246	4.791	0.000463
10:20:36.351	-9.2	0.00007	0.00018	0.00247	4.801	0.000464
10:20:37.351	-9.8	0.00007	0.00016	0.00249	4.839	0.000468
10:20:38.351	-9	0.00007	0.00013	0.00227	4.874	0.000471
10:20:39.351	-9	0.00007	0.00016	0.00218	4.802	0.000464
10:20:40.351	-9	0.00007	0.0001	0.00229	4.689	0.000453
10:20:41.351	-9	0.00007	0.00013	0.00237	4.608	0.000445
10:20:42.351	-9	0.00012	0	0.00214	4.54	0.000439
10:20:43.351	-9	0.00011	0.00001	0.00204	4.284	0.000414
10:20:44.351	-9.2	0.0001	0	0.00219	3.868	0.000374
10:20:45.351	-9.8	0.00009	0.00004	0.00146	3.219	0.000311
10:20:46.351	-9	0.00006	0.00005	0.0009	1.778	0.000172
10:20:47.351	-9	0.00006	0.00001	0.00134	1.224	0.000119
10:20:48.351	-9	0.00006	0.00005	0.00232	1.131	0.00011
10:20:49.351	-9	0.00004	0	0.00235	1.296	0.000126
10:20:50.351	-9	0.00005	0	0.00419	2.471	0.00024
10:20:51.351	-9	0.00007	0.00002	0.00535	5.029	0.000487
10:20:52.351	-9	0.0001	0	0.00392	7.436	0.000719
10:20:53.351	-9	0.00009	0	0.00163	5.957	0.000575
10:20:54.351	-9	0.00008	0	0.00206	5.24	0.000506
10:20:55.351	-9	0.00008	0	0.00257	5.101	0.000493
10:20:56.351	-9	0.0001	0	0.00285	6.521	0.00063
10:20:57.351	-9	0.0001	0	0.00217	7.344	0.000709
10:20:58.351	-9	0.00011	0	0.00167	7.588	0.000732
10:20:59.351	-9.2	0.00011	0	0.00181	7.697	0.000743
10:21:00.351	-9.8	0.00009	0	0.00174	6.214	0.0006
10:21:01.351	-9	0.00009	0	0.0017	5.829	0.000563
10:21:02.351	-9	0.00008	0	0.00191	5.573	0.000538
10:21:03.351	-9	0.00008	0	0.00199	5.623	0.000543
10:21:04.351	-9	0.00009	0	0.00228	6.604	0.000638
10:21:05.351	-9	0.0001	0	0.00221	7.274	0.000702
10:21:06.351	-9.2	0.0001	0	0.00145	6.526	0.00063
10:21:07.351	-9.8	0.00009	0	0.00139	6.099	0.000589
10:21:08.351	-9	0.0001	0	0.00205	6.474	0.000625

67.1	1.60E+00	1.300	0.700	1.023	0.551	3.800
67.1	1.60E+00	1.400	0.700	1.098	0.549	2.500
67.8	1.60E+00	1.400	0.700	1.098	0.549	3.000
68.4	1.60E+00	1.400	0.700	1.099	0.550	6.400
68.4	1.70E+00	1.400	0.700	1.102	0.551	4.900
68.4	1.60E+00	1.400	0.600	1.104	0.473	9.000
68.8	1.60E+00	1.400	0.600	1.105	0.474	5.500
68.8	1.50E+00	1.300	0.600	1.025	0.473	8.600
69.2	1.30E+00	1.100	0.600	0.868	0.472	6.500
69.2	1.30E+00	1.100	0.600	0.866	0.472	7.700
69.7	1.30E+00	1.100	0.600	0.867	0.473	9.000
70.1	1.30E+00	1.100	0.600	0.868	0.473	7.300
70.1	1.30E+00	1.100	0.600	0.868	0.473	10.200
70.1	1.30E+00	1.100	0.600	0.868	0.474	7.000
70.5	1.30E+00	1.000	0.600	0.792	0.474	10.800
70.5	1.30E+00	1.000	0.600	0.790	0.474	9.400
70.9	1.30E+00	1.000	0.600	0.791	0.475	7.500
70.9	1.30E+00	1.000	0.600	0.791	0.475	9.700
71.1	1.30E+00	1.000	0.600	0.792	0.475	6.000
71.2	1.30E+00	1.000	0.600	0.793	0.476	8.200
71.2	2.10E+00	2.000	0.700	1.587	0.553	-0.500
71.2	2.10E+00	2.000	0.700	1.588	0.556	0.400
71.1	1.90E+00	1.700	0.700	1.359	0.559	0.000
70.7	1.70E+00	1.400	0.700	1.134	0.566	2.800
70.7	1.40E+00	1.000	0.700	0.833	0.580	3.600
70.6	1.30E+00	1.000	0.600	0.839	0.505	0.600
69.2	1.30E+00	0.900	0.600	0.758	0.505	3.200
69.1	1.00E+00	0.600	0.600	0.503	0.502	-3.000
67.6	1.00E+00	0.600	0.600	0.494	0.494	0.100
66.4	1.00E+00	0.600	0.700	0.482	0.561	0.800
66.4	1.30E+00	0.700	0.900	0.551	0.708	-3.000
66.4	1.40E+00	0.700	1.100	0.550	0.865	-3.400
66.3	1.40E+00	0.700	1.100	0.553	0.869	-5.500
66.4	1.40E+00	0.700	1.100	0.553	0.869	-1.000
66.4	1.40E+00	0.700	1.100	0.550	0.865	-3.600
66.2	1.40E+00	0.700	1.100	0.547	0.859	-1.700
66.2	1.40E+00	0.700	1.100	0.546	0.858	-5.300
66.2	1.40E+00	0.700	1.100	0.545	0.857	-4.800
66.4	1.40E+00	0.700	1.100	0.546	0.858	-4.800
66.4	1.40E+00	0.700	1.100	0.548	0.862	-5.700
66.6	1.40E+00	0.700	1.100	0.549	0.863	-1.000
66.5	1.30E+00	0.700	1.000	0.549	0.785	-6.100
66.5	1.30E+00	0.700	1.000	0.548	0.782	-1.900
66.5	1.40E+00	0.700	1.100	0.546	0.858	-4.200
66.5	1.50E+00	0.800	1.100	0.622	0.857	-5.600
66.5	1.50E+00	0.800	1.100	0.625	0.859	-1.700
66.9	1.50E+00	0.800	1.100	0.626	0.861	-3.300

	35.16353	1767	65.83	87.1	410.192589	474.234847
	35.21758	1774	65.83	82.4	409.612075	469.991089
197.2	34.41183	1780	66.253	80.5	408.395665	463.95005
196.9	30.22512	1788	66.45	81.8	405.442857	456.240065
196.5	34.23531	1790	66.45	75.2	387.087292	448.139633
196.1	34.82144	1797	67.07	77	384.034615	441.635005
195.8	36.67156	1802	67.07	75.3	382.995174	437.3478
195.8	36.21188	1808	67.07	77.9	382.725	434.534718
195.8	36.70002	1814	67.684	76.1	380.709375	433.06437
195.8	33.65636	1821	67.857	73.5	373.885732	429.726829
195.8	35.12708	1828	67.984	76.5	367.64375	425.87037
195.6	35.52113	1832	68.175	75.3	374.173507	422.972303
195.2	34.8363	1840	68.31	76.1	377.441146	420.323506
194.9	35.19284	1842	68.31	75	376.56875	417.017526
194.5	35.78209	1847	68.912	74.2	380.226633	414.422662
194.1	35.65836	1852	68.93	74.3	381.97751	411.76047
194	35.85198	1854	68.93	73.4	381.211579	409.942857
194	34.80885	1856	68.93	73.2	383.960083	406.676004
194	34.954	1856	69.113	72.7	385.287125	403.778864
194	34.78612	1854	68.93	71	385.466802	399.794216
194	34.83684	1852	68.93	70.9	385.10229	397.394169
194	32.06284	1847	68.508	67.3	382.64	393.513963
194	31.39857	1822	68.31	46.5	381.205	382.246
194	43.5573	1816	67.69	6.5	373.893684	359.75814
194	28.53875	1795	66.972	24.4	369.729231	337.132356
193.9	28.26403	1776	65.83	21.1	370.365673	319.986541
193.5	34.13549	1754	65.2	41.7	375.989306	306.966301
193.1	28.17212	1738	64.58	55.6	373.839114	305.984127
192.7	33.53018	1730	63.96	72.5	367.39757	314.034959
192.3	50.68263	1725	63.96	83.3	361.352756	341.952122
192.5	52.69298	1726	64.169	83.9	372.506135	370.131668
192.9	43.65123	1728	64.58	95.6	381.476715	386.4
193.2	36.80942	1725	63.96	85.5	381.576735	387.779257
193.6	35.66754	1723	63.96	84	385.194915	393.299783
194	43.96196	1722	63.96	89.3	387.719184	401.929032
194	48.37344	1725	63.96	86.1	393.775794	415.551083
194	48.20414	1728	64.241	85.7	398.62286	425.242397
194	49.9885	1735	64.58	85.9	401.346	432.716582
194	35.17719	1733	64.58	97.7	403.301635	434.497698
194	36.81085	1733	64.58	90.9	400.315326	430.161122
194	38.03331	1730	64.58	84.8	398.828407	428.8
194	39.93254	1731	64.58	82.9	398.458574	428.367298
194	42.574	1735	64.58	86.5	396.858038	430.81745
194	47.69084	1736	64.58	85.9	398.150282	436.823529
194	46.34752	1739	64.58	79.3	399.752495	439.136436
194	38.024	1739	64.58	83.9	398.671923	437.518182
194	44.09523	1744	64.58	85.4	396.700926	437.610372

0.16883	0.03801	0.80362	1610.937
0.16893	0.03805	0.80588	1616.361
0.16902	0.0381	0.80807	1621.63
0.16911	0.0382	0.81017	1626.622
0.1692	0.03828	0.8123	1631.535
0.16929	0.03843	0.81464	1636.373
0.16938	0.03852	0.81718	1641.296
0.16947	0.03867	0.81979	1646.43
0.16955	0.03878	0.82231	1651.537
0.16962	0.03891	0.82449	1656.482
0.16969	0.03906	0.82667	1661.43
0.16976	0.03918	0.82904	1666.302
0.16983	0.03935	0.83151	1671.131
0.1699	0.03947	0.83397	1675.922
0.16997	0.03965	0.83644	1680.723
0.17004	0.03981	0.83893	1685.562
0.17011	0.03994	0.8412	1690.436
0.17018	0.0401	0.84338	1695.238
0.17025	0.0402	0.84567	1699.927
0.17032	0.04033	0.84804	1704.535
0.17044	0.04033	0.85018	1709.075
0.17055	0.04034	0.85222	1713.359
0.17065	0.04034	0.85441	1717.227
0.17074	0.04038	0.85587	1720.446
0.1708	0.04043	0.85677	1722.224
0.17086	0.04044	0.85811	1723.448
0.17092	0.04049	0.86043	1724.579
0.17096	0.04049	0.86278	1725.875
0.17101	0.04049	0.86697	1728.346
0.17108	0.04051	0.87232	1733.375
0.17118	0.04051	0.87624	1740.811
0.17127	0.04051	0.87787	1746.768
0.17135	0.04051	0.87993	1752.008
0.17143	0.04051	0.8825	1757.109
0.17153	0.04051	0.88535	1763.63
0.17163	0.04051	0.88752	1770.974
0.17174	0.04051	0.88919	1778.562
0.17185	0.04051	0.891	1786.259
0.17194	0.04051	0.89274	1792.473
0.17203	0.04051	0.89444	1798.302
0.17211	0.04051	0.89635	1803.875
0.17219	0.04051	0.89834	1809.498
0.17228	0.04051	0.90062	1816.102
0.17238	0.04051	0.90283	1823.376
0.17248	0.04051	0.90428	1829.902
0.17257	0.04051	0.90567	1836.001
0.17267	0.04051	0.90772	1842.475

10:21:09.351	-9	0.0001	0	0.00224	6.568	0.000634
10:21:10.351	-9	0.0001	0	0.00216	6.946	0.00067
10:21:11.351	-9.3	0.00009	0	0.00149	5.808	0.00056
10:21:12.351	-10	0.00009	0	0.00117	4.695	0.000453
10:21:13.351	-10	0.00009	0	0.00127	4.67	0.000451
10:21:14.351	-9.8	0.00011	0	0.00336	6.151	0.000594
10:21:15.351	-9	0.00013	0	0.00357	8.243	0.000796
10:21:16.351	-9	0.00015	0	0.00269	9.98	0.000963
10:21:17.351	-9	0.00014	0	0.00219	8.772	0.000847
10:21:18.351	-9	0.00012	0	0.00253	7.484	0.000722
10:21:19.351	-9.2	0.00011	0	0.00237	6.816	0.000658
10:21:20.351	-10	0.00011	0	0.00264	6.748	0.000652
10:21:21.351	-10	0.00013	0	0.00288	8.015	0.000774
10:21:22.351	-9.8	0.00015	0	0.00311	9.848	0.00095
10:21:23.351	-9	0.00017	0	0.00342	10.837	0.001046
10:21:24.351	-9	0.00016	0	0.00327	9.627	0.000929
10:21:25.351	-9.2	0.00015	0	0.00407	9.281	0.000896
10:21:26.351	-9.8	0.00015	0	0.00425	9.607	0.000927
10:21:27.351	-9	0.00015	0	0.00405	10.08	0.000973
10:21:28.351	-9	0.00017	0	0.00394	11.174	0.001078
10:21:29.351	-9	0.00015	0	0.00356	9.621	0.000929
10:21:30.351	-9	0.00015	0	0.00414	8.913	0.000861
10:21:31.351	-9.2	0.00015	0	0.00436	9.703	0.000937
10:21:32.351	-9.8	0.00015	0	0.00356	9.981	0.000963
10:21:33.351	-9	0.00018	0	0.00328	9.83	0.000949
10:21:34.351	-9	0.00019	0	0.00316	9.396	0.000907
10:21:35.351	-9	0.00015	0	0.00276	7.519	0.000726
10:21:36.351	-9	0.00013	0	0.00271	6.462	0.000624
10:21:37.351	-9	0.00013	0	0.00273	6.558	0.000633
10:21:38.351	-9	0.00014	0	0.00274	7.665	0.00074
10:21:39.351	-9	0.00015	0	0.00308	8.472	0.000818
10:21:40.351	-9	0.00015	0	0.00311	8.615	0.000832
10:21:41.351	-9	0.00014	0	0.00277	7.867	0.000759
10:21:42.351	-9	0.00011	0	0.00251	6.149	0.000594
10:21:43.351	-9	0.0001	0	0.00261	5.571	0.000538
10:21:44.351	-9	0.00011	0	0.00307	5.868	0.000567
10:21:45.351	-9	0.00011	0	0.00325	6.152	0.000594
10:21:46.351	-9	0.0001	0	0.0029	5.867	0.000567
10:21:47.351	-9	0.0001	0	0.00263	5.708	0.000551
10:21:48.351	-9	0.00011	0	0.00271	5.976	0.000577
10:21:49.351	-9	0.00012	0.00001	0.00269	6.842	0.000661
10:21:50.351	-9	0.00012	0	0.00268	7.035	0.000679
10:21:51.351	-9	0.00012	0	0.00263	6.854	0.000662
10:21:52.351	-9	0.00012	0	0.00275	6.694	0.000646
10:21:53.351	-9	0.00012	0	0.0029	6.797	0.000656
10:21:54.351	-9	0.00013	0	0.00279	7.632	0.000736
10:21:55.351	-9	0.00014	0.00004	0.00266	8.506	0.000821

66.9	1.50E+00	0.800	1.100	0.625	0.860	-3.200
66.9	1.50E+00	0.800	1.100	0.624	0.859	-10.200
67.2	1.60E+00	1.000	1.100	0.774	0.855	-10.200
67.2	1.70E+00	1.000	1.100	0.787	0.865	-8.500
67.2	1.60E+00	1.000	1.000	0.792	0.793	-1.400
67	1.60E+00	1.000	1.000	0.789	0.789	-0.400
66.7	1.60E+00	1.000	1.000	0.782	0.782	-4.200
66.7	1.60E+00	1.000	1.000	0.776	0.776	-3.900
67.2	1.60E+00	1.000	1.000	0.780	0.780	-8.000
67.2	1.60E+00	1.000	1.000	0.781	0.781	-5.000
67.2	1.60E+00	1.000	1.000	0.783	0.783	-5.300
67.9	1.60E+00	1.000	1.000	0.782	0.782	-2.800
68.1	1.60E+00	1.000	1.000	0.779	0.779	-2.400
68.1	1.50E+00	1.000	1.000	0.775	0.775	-3.000
68.2	1.60E+00	1.000	1.100	0.776	0.854	0.000
68.2	1.60E+00	1.000	1.100	0.779	0.857	-2.500
68.7	1.60E+00	1.000	1.000	0.780	0.781	-0.100
68.7	1.60E+00	1.000	1.000	0.779	0.779	-1.400
68.7	1.60E+00	1.000	1.000	0.778	0.778	-2.000
68.8	1.60E+00	1.000	1.000	0.778	0.778	-0.100
68.9	1.60E+00	1.000	1.000	0.782	0.782	-2.300
68.9	1.60E+00	1.000	1.000	0.783	0.783	-0.300
68.7	1.50E+00	0.900	1.000	0.703	0.781	-2.500
68.7	1.60E+00	1.000	1.000	0.779	0.779	-0.500
68.7	1.90E+00	1.400	1.000	1.092	0.781	-1.900
68.6	2.00E+00	1.500	1.000	1.172	0.781	-2.700
68.4	2.00E+00	1.500	1.000	1.176	0.784	-3.200
68.4	1.80E+00	1.400	0.900	1.100	0.708	-5.800
68.4	1.80E+00	1.400	0.900	1.099	0.707	-0.600
67.9	1.80E+00	1.400	0.900	1.096	0.704	-3.800
67.2	1.80E+00	1.400	0.900	1.092	0.702	0.000
67.2	1.80E+00	1.400	0.900	1.092	0.702	-3.300
67	1.80E+00	1.300	1.000	1.017	0.780	-2.700
67	1.80E+00	1.300	1.000	1.018	0.783	-0.900
67	1.70E+00	1.200	1.000	0.944	0.785	-2.500
66.6	1.70E+00	1.200	1.000	0.943	0.786	-0.300
66.6	1.70E+00	1.200	1.000	0.942	0.785	-2.400
65.7	1.70E+00	1.200	1.000	0.940	0.783	-0.100
64.9	1.70E+00	1.200	1.000	0.940	0.783	-1.600
64.9	1.70E+00	1.200	1.000	0.939	0.783	-0.700
64.9	1.70E+00	1.200	1.000	0.937	0.781	0.300
63.9	1.80E+00	1.200	1.100	0.935	0.857	-2.000
63.9	1.80E+00	1.200	1.100	0.936	0.858	-0.700
63.5	1.80E+00	1.200	1.100	0.937	0.859	-3.000
63.3	1.80E+00	1.200	1.100	0.936	0.858	0.000
63.3	1.80E+00	1.200	1.100	0.932	0.855	-0.900
63.3	1.80E+00	1.200	1.100	0.930	0.853	1.700

194	43.21209	1750	65.2	88.5	397.923437	440.221503
194	45.6352	1753	65.2	91.8	388.462092	444.136482
194	40.7239	1750	65.2	71.5	390.629942	442.889495
194.4	30.30253	1745	64.654	74.6	388.50566	427.85441
194.8	34.79151	1739	64.58	77.3	380.848282	415.715239
195.2	43.5168	1737	64.58	82.9	378.218998	418.410146
195.5	54.36608	1743	64.58	91.9	371.816827	433.714872
195.8	60.26708	1751	65.2	90	366.775723	450.473585
195.8	53.64074	1760	65.2	85.4	358.067726	454.587875
195.8	51.36356	1771	65.83	87.9	366.772642	458.968147
195.8	43.07371	1777	66.45	87.2	377.380612	453.807166
195.8	43.99495	1779	65.83	84.9	393.490052	453
195.8	50.46512	1778	66.041	88.9	393.488957	455.480719
195.8	60.85419	1784	66.45	91.2	396.740919	465.83024
195.8	65.31583	1789	66.45	87.2	401.882813	476.061538
195.8	61.878	1793	66.45	87.2	413.671711	477.529332
195.8	57.55735	1795	66.45	89.1	414.981604	476.123857
	59.51802	1798	66.775	88.8	414.408961	477.638672
	60.51916	1799	67.07	88.6	414.565599	480.565496
	66.55875	1800	67.07	85.3	416.566146	484.121884
	49.79171	1799	67.07	77.9	418.890686	482.816914
	55.24727	1790	66.45	89.3	414.118789	477.010778
197.6	61.26347	1788	66.45	89.3	416.341232	481.731863
197.6	62.10818	1785	66.45	85.8	417.570408	486.780693
197.6	60.68481	1778	66.173	86.4	415.939425	487.644
197.6	59.7411	1780	65.83	78.7	416.615337	486.725275
197.6	50.14916	1771	65.83	83.4	420.184434	480.701961
197.6	42.46701	1771	65.83	87.1	417.929961	474.185886
197.6	38.88535	1754	65.2	83.8	415.660077	470.46378
197.6	49.56006	1750	65.2	84.5	415.776	470.198266
197.6	52.80709	1746	64.703	87	401.929274	475.182967
197.6	52.8581	1743	64.58	83.3	387.293642	478.242857
197.6	48.97963	1740	64.58	85.2	379.039815	477.210509
197.6	43.9654	1730	64.404	86.5	381.200753	474.111996
197.6	33.67129	1721	63.96	81.3	378.505	465.160937
197.6	39.7728	1714	63.507	81.2	378.573413	459.208135
197.6	41.55441	1698	63.34	85.1	384.900204	458.25035
197.6	37.77963	1689	62.72	85	383.934896	458.957285
197.6	37.39648	1676	62.128	84.3	388.955789	456.341244
197.6	37.85725	1659	61.949	93.3	401.12601	454.935522
197.6	44.98457	1655	61.48	87.2	404.616227	459.7912
197.6	44.57612	1653	61.48	85.4	405.821399	462.234765
197.6	42.93996	1648	61.48	87	406.973695	463.5
197.6	42.17464	1644	60.86	88.1	407.092931	463.76422
197.6	43.38817	1642	60.86	88.6	407.669098	465.118152
	46.97565	1640	60.86	92.4	400.484906	469.757809
	50.54815	1643	60.86	90.2	405.260837	475.592527

0.17277	0.04051	0.90996	1849.043
0.17287	0.04051	0.91212	1855.989
0.17296	0.04051	0.91361	1861.797
0.17305	0.04051	0.91478	1866.492
0.17314	0.04051	0.91605	1871.162
0.17325	0.04051	0.91941	1877.313
0.17338	0.04051	0.92298	1885.556
0.17353	0.04051	0.92567	1895.536
0.17367	0.04051	0.92786	1904.308
0.17379	0.04051	0.93039	1911.792
0.1739	0.04051	0.93276	1918.608
0.17401	0.04051	0.9354	1925.356
0.17414	0.04051	0.93828	1933.371
0.17429	0.04051	0.94139	1943.219
0.17446	0.04051	0.94481	1954.056
0.17462	0.04051	0.94808	1963.683
0.17477	0.04051	0.95215	1972.964
0.17492	0.04051	0.9564	1982.571
0.17507	0.04051	0.96045	1992.651
0.17524	0.04051	0.96439	2003.825
0.17539	0.04051	0.96795	2013.446
0.17554	0.04051	0.97209	2022.359
0.17569	0.04051	0.97645	2032.062
0.17584	0.04051	0.98001	2042.043
0.17602	0.04051	0.98329	2051.873
0.17621	0.04051	0.98645	2061.269
0.17636	0.04051	0.98921	2068.788
0.17649	0.04051	0.99192	2075.25
0.17662	0.04051	0.99465	2081.808
0.17676	0.04051	0.99739	2089.473
0.17691	0.04051	1.00047	2097.945
0.17706	0.04051	1.00358	2106.56
0.1772	0.04051	1.00635	2114.427
0.17731	0.04051	1.00886	2120.576
0.17741	0.04051	1.01147	2126.147
0.17752	0.04051	1.01454	2132.015
0.17763	0.04051	1.01779	2138.167
0.17773	0.04051	1.02069	2144.034
0.17783	0.04051	1.02332	2149.742
0.17794	0.04051	1.02603	2155.718
0.17806	0.04052	1.02872	2162.56
0.17818	0.04052	1.0314	2169.595
0.1783	0.04052	1.03403	2176.449
0.17842	0.04052	1.03678	2183.143
0.17854	0.04052	1.03968	2189.94
0.17867	0.04052	1.04247	2197.572
0.17881	0.04056	1.04513	2206.078

10:21:56.351	-9	0.00014	0.00004	0.00265	8.559	0.000826
10:21:57.351	-9	0.00015	0	0.00311	9.017	0.00087
10:21:58.351	-9	0.00016	0.00002	0.00286	9.508	0.000917
10:21:59.351	-9	0.00014	0	0.0022	8.374	0.000808
10:22:00.351	-9	0.00014	0.00004	0.00325	8.678	0.000838
10:22:01.351	-9	0.00016	0.00001	0.00292	8.972	0.000866
10:22:02.351	-9	0.00016	0.0001	0.00291	9.004	0.000869
10:22:03.351	-9	0.00016	0.00005	0.00318	8.872	0.000856
10:22:04.351	-9	0.00016	0	0.00346	9.082	0.000877
10:22:05.351	-9	0.00016	0.00006	0.00353	9.275	0.000895
10:22:06.351	-9	0.00017	0	0.00359	9.431	0.00091
10:22:07.351	-9	0.00017	0.00006	0.00369	9.694	0.000936
10:22:08.351	-9	0.00018	0	0.00338	9.778	0.000944
10:22:09.351	-9	0.00016	0.00003	0.00346	8.477	0.000819
10:22:10.351	-9	0.00015	0.00003	0.00373	8.176	0.00079
10:22:11.351	-9	0.00016	0	0.00364	8.924	0.000861
10:22:12.351	-9	0.00016	0.00005	0.00297	8.935	0.000862
10:22:13.351	-9	0.00014	0	0.00322	8.397	0.000811
10:22:14.351	-9	0.00014	0.00002	0.00328	8.513	0.000822
10:22:15.351	-9	0.00016	0	0.00341	9.951	0.00096
10:22:16.351	-9	0.0002	0.00002	0.00356	12.298	0.001186
10:22:17.351	-9	0.0002	0.00001	0.00362	12.205	0.001178
10:22:18.351	-9	0.00019	0	0.00431	11.534	0.001113
10:22:19.351	-9	0.0002	0.00004	0.00392	11.991	0.001157
10:22:20.351	-9	0.0002	0	0.00397	12.307	0.001188
10:22:21.351	-9	0.00019	0	0.00391	11.83	0.001142
10:22:22.351	-9	0.00016	0	0.00359	9.018	0.000871
10:22:23.351	-9	0.00014	0	0.00395	8.782	0.000848
10:22:24.351	-9	0.00012	0	0.00336	8.442	0.000815
10:22:25.351	-9	0.00012	0	0.00338	8.61	0.000831
10:22:26.351	-9	0.00013	0	0.00298	8.548	0.000825
10:22:27.351	-9	0.00013	0	0.00274	8.074	0.000779
10:22:28.351	-9	0.00012	0	0.00282	7.607	0.000735
10:22:29.351	-9	0.00011	0	0.00296	7.451	0.000719
10:22:30.351	-9	0.00012	0	0.00304	8.024	0.000775
10:22:31.351	-9	0.00013	0	0.00245	8.819	0.000851
10:22:32.351	-9	0.00013	0	0.00282	9.009	0.000869
10:22:33.351	-9	0.00014	0.00003	0.0032	8.762	0.000846
10:22:34.351	-9	0.00014	0	0.00336	8.565	0.000827
10:22:35.351	-9.2	0.00013	0	0.00336	8.558	0.000826
10:22:36.351	-10	0.00013	0	0.00325	8.156	0.000787
10:22:37.351	-9.8	0.00013	0	0.00319	8.087	0.000781
10:22:38.351	-9	0.00013	0	0.00323	8.273	0.000799
10:22:39.351	-9	0.00013	0	0.00321	8.299	0.000801
10:22:40.351	-9.2	0.00013	0	0.00316	8.851	0.000854
10:22:41.351	-9.8	0.00014	0	0.00297	9.152	0.000883
10:22:42.351	-9	0.00014	0	0.00306	9.256	0.000893

63.1	1.80E+00	1.200	1.100	0.930	0.853	1.600		50.8275	1642	60.86	89.9	408.586592	477.6
63.1	1.80E+00	1.200	1.100	0.931	0.854	0.000		52.94948	1647	61.415	96.1	410.070909	480.390612
63.1	1.70E+00	1.100	1.100	0.855	0.854	0.700		56.14667	1652	61.48	83.6	411.091538	481.98971
63.4	1.60E+00	1.000	1.100	0.780	0.858	-0.600	197.6	52.19052	1652	61.48	87.9	411.132075	480.727478
63.4	1.60E+00	1.000	1.100	0.778	0.856	1.500	198	52.74929	1658	62.002	89.8	413.120769	481.642943
63.4	1.80E+00	1.200	1.100	0.931	0.856	0.300	198.3	54.28815	1656	61.48	87.8	414.710345	484.242857
63.5	1.80E+00	1.200	1.100	0.934	0.856	3.700	198.7	54.36413	1662	61.48	85.6	415.432871	485.026122
63.9	1.80E+00	1.200	1.100	0.935	0.857	2.000	199.1	53.55095	1666	62.1	87.9	414.033652	484.172908
63.9	1.80E+00	1.200	1.100	0.935	0.857	-1.000	199.4	54.16378	1670	62.1	88.6	414.137812	484.225175
63.9	1.80E+00	1.200	1.100	0.935	0.857	2.000	199.4	55.20013	1678	62.1	87.9	415.858444	485.071302
64.1	1.80E+00	1.200	1.100	0.935	0.857	-0.500	199.4	56.80256	1682	62.72	89.4	415.481542	485.5
64.6	1.80E+00	1.200	1.100	0.935	0.857	1.900	199.4	57.3397	1689	62.72	87.5	408.626278	486.657449
64.6	1.80E+00	1.200	1.100	0.936	0.858	-0.400	199.4	58.61378	1691	63.317	87	408.761702	487.893107
64.6	1.80E+00	1.200	1.100	0.939	0.860	1.100	199.4	50.64017	1695	63.318	80.3	409.25086	484.931932
64.9	1.80E+00	1.200	1.100	0.939	0.861	1.300	199.4	51.11461	1689	62.72	89.7	408.013198	485.097033
64.9	1.80E+00	1.200	1.100	0.935	0.857	-0.100	199.4	53.4109	1689	62.72	88.4	404.948956	487.619783
64.9	1.80E+00	1.200	1.100	0.935	0.857	2.000	199.4	54.07331	1687	62.72	85.6	400.665833	488.2
64.9	1.70E+00	1.100	1.100	0.858	0.858	-0.700	199.4	52.04262	1689	62.847	86.6	401.462121	487.010505
64.9	1.60E+00	1.000	1.100	0.778	0.857	0.800	199.4	53.27462	1686	62.72	88.2	393.194643	486.5
64.9	1.60E+00	1.000	1.100	0.777	0.855	-0.700	199.4	57.5055	1691	62.72	89.6	392.508981	489.237488
64.8	1.70E+00	1.100	1.100	0.852	0.852	0.500	199.4	72.57019	1696	63.067	86.7	384.597736	498.963913
64.8	1.70E+00	1.100	1.100	0.856	0.856	0.300	199.4	73.1008	1706	63.34	85.7	396.682449	506.110092
65	1.70E+00	1.100	1.100	0.856	0.856	-2.000	199.4	69.1184	1716	63.939	90.7	413.727564	510.238967
65.8	1.70E+00	1.100	1.100	0.855	0.855	1.100	199.4	71.29292	1729	63.96	90.2	418.389271	515.100588
65.8	1.70E+00	1.100	1.100	0.855	0.855	-1.200	199.4	72.75694	1736	64.58	88	416.453187	518.3
66.6	1.60E+00	1.000	1.100	0.781	0.857	-1.500	199.4	72.78463	1744	64.58	82.9	428.052567	517.375306
66.6	1.60E+00	1.000	1.100	0.784	0.862	-5.900	199.4	58.0764	1745	64.58	86.2	429.689979	512.701077
67	1.60E+00	0.900	1.100	0.705	0.861	-4.800	199.4	55.41681	1742	64.58	85.7	425.343021	508.2022
67	1.40E+00	0.800	1.000	0.625	0.782	-3.900	199.4	52.7421	1738	64.58	86.9	443.21583	504.386389
66.9	1.40E+00	0.800	1.000	0.624	0.781	-4.600	199.4	52.81787	1736	64.58	86.3	431.308396	501.667532
66.9	1.50E+00	0.800	1.100	0.624	0.858	-4.000	199.4	53.34403	1736	64.58	85.9	432.007653	499.348308
66.6	1.60E+00	0.900	1.100	0.702	0.859	-7.000	199.4	48.95422	1735	64.58	82.5	420.457807	495.210532
66.6	1.60E+00	0.900	1.100	0.704	0.861	-2.800	199.4	48.74545	1734	64.58	85.9	420.147981	491.2038
66.6	1.50E+00	0.900	1.000	0.703	0.781	-4.700	199.4	47.90608	1730	63.96	86	419.867108	490
66.6	1.50E+00	0.900	1.000	0.701	0.779	-2.500	199.4	49.35388	1728	63.96	90.1	420.473318	491.432826
66.4	1.50E+00	0.900	1.000	0.700	0.778	-0.600	199.4	55.7575	1727	63.96	87.4	404.104433	495.031761
66.4	1.50E+00	0.900	1.000	0.701	0.778	-2.100	199.4	55.72416	1732	64.58	85.7	403.38	494.850643
66.4	1.60E+00	1.000	1.000	0.778	0.780	1.000	199.4	54.60703	1735	64.58	86.7	396.054884	492.979231
66.4	1.60E+00	1.000	1.000	0.781	0.781	-2.400	199.4	54.34429	1730	64.58	86.7	388.348148	491.006
66.5	1.60E+00	1.000	1.000	0.780	0.780	0.100	199.4	53.89066	1729	64.58	85.5	397.3268	490.8
66.5	1.60E+00	1.000	1.000	0.780	0.780	-1.800	199.4	50.29179	1729	63.96	84.4	414.093041	488.2
66.5	1.60E+00	1.000	1.000	0.780	0.780	-0.800	199.4	51.11753	1723	63.96	86.1	426.153077	488.36623
66.5	1.60E+00	1.000	1.000	0.780	0.780	-1.300		51.65061	1721	63.96	86.4	427.378689	489.324558
66.5	1.60E+00	1.000	1.000	0.779	0.779	-1.500		51.49327	1716	63.96	89.1	426.284615	490.60275
66.2	1.60E+00	1.000	1.000	0.778	0.778	0.100		54.76375	1711	63.34	88.8	425.628807	492.978163
65.8	1.60E+00	1.000	1.000	0.777	0.777	-2.400		56.23613	1708	63.34	87.1	428.484584	494.3
65.8	1.60E+00	1.000	1.000	0.779	0.779	-0.500		56.705	1704	63.34	86.4	427.303226	494.3

0.17895	0.0406	1.04778	2214.637
0.1791	0.0406	1.05089	2223.654
0.17926	0.04062	1.05375	2233.162
0.1794	0.04062	1.05595	2241.536
0.17954	0.04066	1.0592	2250.214
0.1797	0.04067	1.06212	2259.186
0.17986	0.04077	1.06503	2268.19
0.18002	0.04082	1.06821	2277.062
0.18018	0.04082	1.07167	2286.144
0.18034	0.04088	1.0752	2295.419
0.18051	0.04088	1.07879	2304.85
0.18068	0.04094	1.08248	2314.544
0.18086	0.04094	1.08586	2324.322
0.18102	0.04097	1.08932	2332.799
0.18117	0.041	1.09305	2340.975
0.18133	0.041	1.09669	2349.899
0.18149	0.04105	1.09966	2358.834
0.18163	0.04105	1.10288	2367.231
0.18177	0.04107	1.10616	2375.744
0.18193	0.04107	1.10957	2385.695
0.18213	0.04109	1.11313	2397.993
0.18233	0.0411	1.11675	2410.198
0.18252	0.0411	1.12106	2421.732
0.18272	0.04114	1.12498	2433.723
0.18292	0.04114	1.12895	2446.03
0.18311	0.04114	1.13286	2457.86
0.18327	0.04114	1.13645	2466.878
0.18341	0.04114	1.1404	2475.66
0.18353	0.04114	1.14376	2484.102
0.18365	0.04114	1.14714	2492.712
0.18378	0.04114	1.15012	2501.26
0.18391	0.04114	1.15286	2509.334
0.18403	0.04114	1.15568	2516.941
0.18414	0.04114	1.15864	2524.392
0.18426	0.04114	1.16168	2532.416
0.18439	0.04114	1.16413	2541.235
0.18452	0.04114	1.16695	2550.244
0.18466	0.04117	1.17015	2559.006
0.1848	0.04117	1.17351	2567.571
0.18493	0.04117	1.17687	2576.129
0.18506	0.04117	1.18012	2584.285
0.18519	0.04117	1.18331	2592.372
0.18532	0.04117	1.18654	2600.645
0.18545	0.04117	1.18975	2608.944
0.18558	0.04117	1.19291	2617.795
0.18572	0.04117	1.19588	2626.947
0.18586	0.04117	1.19894	2636.203

10:22:43.351	-9	0.00014	0	0.0035	9.186	0.000887
10:22:44.351	-9	0.00013	0	0.00333	8.469	0.000818
10:22:45.351	-9	0.00013	0	0.0034	7.919	0.000765
10:22:46.351	-9.2	0.00013	0	0.00341	8.093	0.000781
10:22:47.351	-9.7	0.00013	0	0.00312	8.077	0.00078
10:22:48.351	-9	0.00012	0	0.00286	7.07	0.000683
10:22:49.351	-9	0.00012	0	0.00304	6.61	0.000638
10:22:50.351	-9	0.00012	0	0.003	6.498	0.000628
10:22:51.351	-9	0.00012	0	0.00286	6.804	0.000657
10:22:52.351	-9	0.00013	0.00001	0.00288	6.969	0.000673
10:22:53.351	-9	0.00013	0	0.00312	7.361	0.000711
10:22:54.351	-9	0.00014	0	0.00301	8.054	0.000777
10:22:55.351	-9	0.00013	0	0.00292	7.696	0.000743
10:22:56.351	-9	0.00011	0	0.00274	6.299	0.000608
10:22:57.351	-9	0.00011	0	0.00308	5.778	0.000558
10:22:58.351	-9.2	0.00011	0.00001	0.00334	5.929	0.000573
10:22:59.351	-10	0.00012	0	0.00336	6.786	0.000655
10:23:00.351	-9.8	0.00014	0	0.00319	7.36	0.00071
10:23:01.351	-9	0.00013	0.00002	0.00284	7.293	0.000704
10:23:02.351	-9	0.00012	0	0.00256	6.565	0.000634
10:23:03.351	-9.2	0.00014	0.00002	0.00313	7.509	0.000725
10:23:04.351	-9.8	0.00018	0	0.00374	10.231	0.000987
10:23:05.351	-9.2	0.00021	0	0.00359	12.304	0.001187
10:23:06.351	-10	0.00024	0	0.00362	13.41	0.001294
10:23:07.351	-9.8	0.00022	0.00002	0.00445	12.071	0.001165
10:23:08.351	-9	0.00022	0.00024	0.00503	11.917	0.00115
10:23:09.351	-9.2	0.00021	0	0.00424	11.215	0.001083
10:23:10.351	-10	0.00016	0.00005	0.00333	8.255	0.000797
10:23:11.351	-10	0.00015	0	0.00362	7.657	0.000739
10:23:12.351	-10	0.00014	0.00001	0.00327	6.991	0.000675
10:23:13.351	-10	0.00015	0.00002	0.00355	7.81	0.000754
10:23:14.351	-10	0.00015	0.00001	0.00319	7.841	0.000757
10:23:15.351	-10	0.00013	0.00005	0.00263	6.633	0.00064
10:23:16.351	-9.8	0.00013	0	0.0031	6.743	0.000651
10:23:17.351	-9	0.00012	0.00007	0.00322	6.355	0.000614
10:23:18.351	-9	0.0001	0.00001	0.00236	5.191	0.000501
10:23:19.351	-9.2	0.00009	0.00008	0.00148	4.5	0.000435
10:23:20.351	-9.8	0.00009	0.0001	0.00215	3.937	0.000381
10:23:21.351	-9.2	0.00009	0.00009	0.00286	3.924	0.00038
10:23:22.351	-10	0.00009	0.00015	0.00333	4.161	0.000403
10:23:23.351	-10	0.0001	0.00006	0.00323	4.644	0.000449
10:23:24.351	-9.8	0.00011	0.00009	0.00288	5.806	0.000561
10:23:25.351	-9	0.00012	0.00001	0.00274	6.592	0.000637
10:23:26.351	-9.2	0.00011	0.00004	0.00204	6.531	0.00063
10:23:27.351	-9.8	0.0001	0.00002	0.00186	5.275	0.000509
10:23:28.351	-9	0.0001	0.00003	0.00233	5.237	0.000506
10:23:29.351	-9	0.00011	0.00005	0.00283	5.955	0.000575

65.6	1.60E+00	1.000	1.000	0.780	0.780	-2.600
65.6	1.60E+00	1.000	1.000	0.781	0.781	-2.300
65	1.60E+00	1.000	1.000	0.782	0.782	-1.000
65	1.60E+00	1.000	1.000	0.780	0.780	-3.300
65	1.60E+00	1.100	1.000	0.856	0.779	-0.500
64.4	1.70E+00	1.200	1.000	0.939	0.782	-3.500
64.2	1.80E+00	1.300	1.000	1.018	0.783	0.200
64.2	1.80E+00	1.300	1.000	1.018	0.783	-1.500
63.6	1.80E+00	1.300	1.000	1.016	0.782	0.200
63.6	1.80E+00	1.300	1.000	1.015	0.780	0.300
63.6	1.80E+00	1.300	1.000	1.013	0.779	-1.700
63.5	1.80E+00	1.300	1.000	1.011	0.777	0.000
63.6	1.80E+00	1.300	1.000	1.012	0.778	-3.500
63.6	1.80E+00	1.300	1.000	1.016	0.781	-1.100
64.1	1.80E+00	1.300	1.000	1.019	0.784	-2.000
64.1	1.80E+00	1.300	1.000	1.019	0.784	0.600
64.1	1.80E+00	1.300	1.000	1.014	0.780	-0.200
64.1	1.90E+00	1.400	1.000	1.089	0.778	-1.300
64.4	1.90E+00	1.400	1.000	1.091	0.779	1.100
64.4	1.90E+00	1.400	1.000	1.092	0.780	-1.700
64.7	1.90E+00	1.400	1.000	1.091	0.779	0.800
64.7	1.90E+00	1.400	1.000	1.081	0.772	-0.200
64.9	1.90E+00	1.400	1.000	1.082	0.773	-0.200
65	1.90E+00	1.400	1.000	1.083	0.774	-0.400
66.1	1.90E+00	1.400	1.000	1.087	0.777	0.500
66.2	1.90E+00	1.400	1.000	1.090	0.779	6.800
67.4	1.90E+00	1.400	1.000	1.091	0.779	-0.200
67.4	1.90E+00	1.400	1.000	1.096	0.783	1.900
68.1	1.90E+00	1.400	1.000	1.096	0.783	-0.300
68.1	1.90E+00	1.400	1.000	1.095	0.782	0.400
68	1.90E+00	1.400	1.000	1.092	0.780	1.000
68	1.90E+00	1.400	1.000	1.091	0.779	0.600
67.8	1.90E+00	1.400	1.000	1.092	0.780	2.500
67.8	1.90E+00	1.400	1.000	1.096	0.783	0.000
67.8	1.80E+00	1.300	1.000	1.018	0.783	3.500
67.6	1.80E+00	1.300	1.000	1.019	0.784	0.500
67.1	1.80E+00	1.300	1.000	1.025	0.788	5.500
67.1	1.80E+00	1.300	1.000	1.031	0.793	6.800
66.1	1.80E+00	1.300	1.000	1.036	0.797	6.300
66.1	1.80E+00	1.300	0.900	1.035	0.717	9.500
66.1	1.70E+00	1.300	0.900	1.030	0.713	3.700
65.1	1.70E+00	1.300	0.900	1.023	0.709	4.700
65.1	1.70E+00	1.300	0.900	1.019	0.705	0.600
64.6	1.70E+00	1.300	0.900	1.015	0.703	2.200
64.6	1.80E+00	1.300	1.000	1.016	0.781	1.000
64.6	1.80E+00	1.300	1.000	1.021	0.786	1.800
64.6	1.80E+00	1.300	1.000	1.020	0.785	2.600

199.4	56.21437	1698	63.34	86.9	441.457736	493.767826
199.4	53.10286	1692	62.72	85.4	442.339286	491.328529
199.4	49.48617	1684	62.72	89.2	440.598121	489.1
199.4	50.57019	1678	62.143	87.5	421.881801	489.982372
199.4	50.84152	1675	62.1	87.4	424.759848	490.362782
199.4	43.29528	1667	62.1	84.4	425.227746	485.6997
199.4	41.34983	1659	61.557	86.7	419.367857	480.445778
199.4	41.52055	1655	61.48	87.5	412.506721	478.229358
199.4	43.1903	1652	61.48	86	412.532264	478.250495
199.4	43.99	1651	61.48	87.4	414.107692	479.111462
199.4	45.95089	1651	61.48	90	414.628517	481.049351
199.4	49.36943	1659	61.48	87.9	415.548571	484.827552
199.4	47.90689	1664	62.1	85	416.99697	485.870594
199.4	39.04961	1668	62.1	84.5	413.360865	480.836043
199.4	36.862	1671	62.1	86.7	404.576056	475.149505
199.4	38.18576	1672	62.1	90.2	405.937821	472.185234
199.4	44.61889	1676	62.1	93.9	402.226959	474.231522
199.4	46.69008	1681	62.1	86.8	399.171779	477.961649
199.4	45.62644	1679	62.72	85.8	400.244867	479.255842
199.4	44.18358	1683	62.72	88.7	400.490323	478.75272
199.4	48.36472	1683	62.72	94.2	396.200256	480.109241
199.4	60.92933	1697	62.72	95.1	407.967391	492.30587
199.4	72.29245	1710	63.482	90.4	431.384927	504.222467
199.4	81.81039	1730	64.264	86.9	452.10578	512.588599
199.7	73.04078	1745	64.58	89.6	445.727115	516.861572
200.1	71.76681	1761	65.2	92	447.942205	519.04931
200.5	71.65402	1772	65.83	89.9	451.413646	518.597143
200.8	50.27473	1775	65.83	84	436.52	510.870217
201.2	47.85738	1769	65.83	85.5	434.531698	503.718548
201.2	43.23252	1765	65.83	85.9	431.662045	499.020521
201.2	49.05493	1765	65.83	85.9	421.915625	497.1
201.2	49.07568	1764	65.83	83	401.253077	496.319221
201.2	44.36651	1762	65.2	83.6	423.70315	492.722367
	41.66952	1759	65.2	85.6	424.490389	485.656591
	43.90319	1752	65.2	85.8	423.406054	485.843291
	35.01118	1736	64.58	63.6	420.366667	479.70824
	32.23984	1726	63.96	58.6	417.43477	462.633792
	29.14424	1715	63.91	61.2	412.416364	450.183763
199.1	31.70277	1700	63.34	69.1	415.144898	437.279095
198.7	34.9821	1691	62.72	76.2	412.019492	432.8
198.3	34.8221	1687	62.72	83.8	411.503846	434.117606
197.9	40.41975	1683	62.204	83.2	406.425769	439.525435
197.6	44.03898	1679	62.1	86.9	404.110173	448.062819
197.6	43.75147	1676	62.1	85	400.656439	456.192088
197.6	24.21902	1675	62.1	80.3	403.187265	456.554723
197.6	34.59347	1665	62.1	80	406.083036	448.837164
197.6	42.49877	1657	61.48	85.3	408.730937	450.2882

0.186	0.04117	1.20244	2645.389
0.18613	0.04117	1.20577	2653.858
0.18626	0.04117	1.20917	2661.777
0.18639	0.04117	1.21258	2669.87
0.18652	0.04117	1.2157	2677.947
0.18664	0.04117	1.21856	2685.017
0.18676	0.04117	1.2216	2691.627
0.18688	0.04117	1.2246	2698.125
0.187	0.04117	1.22746	2704.929
0.18713	0.04118	1.23034	2711.898
0.18726	0.04118	1.23346	2719.259
0.1874	0.04118	1.23647	2727.313
0.18753	0.04118	1.23939	2735.009
0.18764	0.04118	1.24213	2741.308
0.18775	0.04118	1.24521	2747.086
0.18786	0.04119	1.24855	2753.015
0.18798	0.04119	1.25191	2759.801
0.18812	0.04119	1.2551	2767.161
0.18825	0.04121	1.25794	2774.454
0.18837	0.04121	1.2605	2781.019
0.18851	0.04123	1.26363	2788.528
0.18869	0.04123	1.26737	2798.759
0.1889	0.04123	1.27096	2811.063
0.18914	0.04123	1.27458	2824.473
0.18936	0.04125	1.27903	2836.544
0.18958	0.04149	1.28406	2848.461
0.18979	0.04149	1.2883	2859.676
0.18995	0.04154	1.29163	2867.931
0.1901	0.04154	1.29525	2875.588
0.19024	0.04155	1.29852	2882.579
0.19039	0.04157	1.30207	2890.389
0.19054	0.04158	1.30526	2898.23
0.19067	0.04163	1.30789	2904.863
0.1908	0.04163	1.31099	2911.606
0.19092	0.0417	1.31421	2917.961
0.19102	0.04171	1.31657	2923.152
0.19111	0.04179	1.31805	2927.652
0.1912	0.04189	1.3202	2931.589
0.19129	0.04198	1.32306	2935.513
0.19138	0.04213	1.32639	2939.674
0.19148	0.04219	1.32962	2944.318
0.19159	0.04228	1.3325	2950.124
0.19171	0.04229	1.33524	2956.716
0.19182	0.04233	1.33728	2963.247
0.19192	0.04235	1.33914	2968.522
0.19202	0.04238	1.34147	2973.759
0.19213	0.04243	1.3443	2979.714

10:23:30.351	-9	0.00011	0	0.00277	6.033	0.000583
10:23:31.351	-9	0.00013	0	0.00296	7.709	0.000744
10:23:32.351	-9.3	0.00012	0	0.0024	7.159	0.000691
10:23:33.351	-9.7	0.0001	0.00002	0.00179	5.691	0.000549
10:23:34.351	-9	0.0001	0.00002	0.00179	4.936	0.000477
10:23:35.351	-9.3	0.00009	0	0.00203	4.532	0.000438
10:23:36.351	-9.7	0.00008	0.00004	0.00214	4.331	0.000418
10:23:37.351	-9.3	0.00009	0.00001	0.00188	4.774	0.000461
10:23:38.351	-10	0.0001	0.00008	0.00239	5.855	0.000566
10:23:39.351	-10	0.0001	0	0.00236	6.426	0.00062
10:23:40.351	-10	0.00009	0	0.002	5.913	0.000571
10:23:41.351	-10	0.00012	0	0.00197	5.459	0.000527
10:23:42.351	-10	0.00011	0	0.00217	5.148	0.000497
10:23:43.351	-9.8	0.00011	0.00002	0.00244	5.179	0.0005
10:23:44.351	-9.2	0.00014	0	0.00366	7.567	0.000731
10:23:45.351	-10	0.00015	0.00011	0.00433	9.481	0.000915
10:23:46.351	-10	0.0002	0	0.00452	9.856	0.000951
10:23:47.351	-10	0.0002	0	0.00433	9.265	0.000894
10:23:48.351	-10	0.00014	0	0.00274	6.104	0.000589
10:23:49.351	-9.8	0.00013	0	0.00143	5.196	0.000502
10:23:50.351	-9.3	0.00012	0.00003	0.0022	5.061	0.000489
10:23:51.351	-10	0.00012	0	0.00245	5.455	0.000527
10:23:52.351	-10	0.00013	0.00004	0.00325	6.574	0.000635
10:23:53.351	-10	0.00014	0	0.00437	8.096	0.000781
10:23:54.351	-10	0.00015	0.00001	0.00363	8.741	0.000843
10:23:55.351	-10	0.00015	0	0.00363	8.63	0.000833
10:23:56.351	-10	0.00017	0	0.0043	9.356	0.000903
10:23:57.351	-10	0.00017	0.00001	0.00349	9.675	0.000934
10:23:58.351	-10	0.00011	0	0.00216	5.592	0.00054
10:23:59.351	-10	0.00011	0.00002	0.00317	5.347	0.000517
10:24:00.351	-10	0.00011	0	0.00356	5.411	0.000523
10:24:01.351	-10	0.00009	0	0.00277	5.083	0.000491
10:24:02.351	-10	0.00009	0	0.0024	4.863	0.00047
10:24:03.351	-10	0.00009	0	0.00213	4.422	0.000427
10:24:04.351	-10	0.00008	0.00003	0.00216	4.233	0.000409
10:24:05.351	-10	0.00008	0	0.00231	4.218	0.000408
10:24:06.351	-10	0.00004	0.00002	0.00119	2.234	0.000216
10:24:07.351	-10	0.00009	0.00002	0.00024	2.951	0.000285
10:24:08.351	-10	0.00012	0.00006	0.0003	1.808	0.000175
10:24:09.351	-10	0.00012	0.00004	0.00181	0.786	0.000076
10:24:10.351	-10	0.00011	0.00003	0.00285	0.476	0.000047
10:24:11.351	-10	0.00009	0.00003	0.0024	0.275	0.000027
10:24:12.351	-10	0.00004	0	0.00115	0.103	0.00001
10:24:13.351	-10	0.00003	0.00001	0.00101	0.084	0.000008
10:24:14.351	-10	0.00003	0	0.00094	0.08	0.000007
10:24:15.351	-10	0.00003	0	0.00088	0.08	0.000008
10:24:16.351	-10	0.00003	0.00001	0.00096	0.083	0.000008

64.1	1.70E+00	1.300	0.900	1.018	0.705	-0.100
64.1	1.70E+00	1.300	0.900	1.011	0.700	0.000
63.8	1.70E+00	1.300	0.900	1.010	0.699	-0.300
63.8	1.70E+00	1.300	0.900	1.017	0.704	1.200
63.8	1.70E+00	1.300	0.900	1.025	0.709	1.300
63.8	1.70E+00	1.300	0.900	1.024	0.709	-0.400
63.6	1.70E+00	1.300	0.900	1.024	0.709	3.100
63.6	1.70E+00	1.300	0.900	1.025	0.710	0.900
62.9	1.70E+00	1.200	0.900	0.944	0.706	4.000
62.6	1.60E+00	1.100	0.900	0.859	0.703	-1.200
62.6	1.60E+00	1.100	0.900	0.858	0.702	-0.200
62.5	2.00E+00	1.800	0.800	1.405	0.626	-1.500
62.5	2.00E+00	1.700	0.800	1.334	0.627	-1.100
62.5	2.00E+00	1.700	0.800	1.333	0.627	1.300
62	1.90E+00	1.600	0.800	1.249	0.624	-1.000
61.7	1.70E+00	1.400	0.800	1.083	0.618	4.000
61.7	2.20E+00	2.100	0.800	1.618	0.618	-1.000
62.1	2.20E+00	2.100	0.800	1.629	0.620	-0.100
62.1	2.30E+00	2.100	0.800	1.641	0.625	-0.800
62.5	2.30E+00	2.100	0.800	1.651	0.629	-0.500
62.5	2.10E+00	1.900	0.800	1.497	0.630	1.500
61.5	2.00E+00	1.800	0.800	1.412	0.627	-0.700
61.5	1.90E+00	1.600	0.800	1.250	0.625	1.900
61.8	1.90E+00	1.600	0.800	1.239	0.620	-1.500
61.8	1.90E+00	1.600	0.800	1.238	0.619	0.200
61.8	1.90E+00	1.600	0.800	1.239	0.620	0.100
61.8	1.90E+00	1.600	0.800	1.239	0.620	-2.200
61.8	1.90E+00	1.600	0.800	1.240	0.620	0.400
61.8	1.80E+00	1.500	0.800	1.174	0.626	-2.300
61.8	1.80E+00	1.500	0.800	1.180	0.629	1.300
61.8	1.80E+00	1.500	0.800	1.177	0.628	-0.300
61.8	1.70E+00	1.400	0.800	1.097	0.627	-0.800
60.6	1.80E+00	1.500	0.800	1.175	0.627	-0.400
60.5	1.80E+00	1.500	0.800	1.176	0.627	-1.000
59.1	1.70E+00	1.400	0.800	1.099	0.628	1.800
57.5	1.70E+00	1.400	0.800	1.099	0.628	-1.400
57.5	1.70E+00	1.400	0.800	1.104	0.631	2.600
57.4	1.80E+00	1.400	0.800	1.136	0.649	1.100
55.6	1.80E+00	1.400	0.800	1.172	0.670	2.900
55.4	1.80E+00	1.400	0.700	1.189	0.595	2.000
51.8	1.80E+00	1.400	0.700	1.194	0.597	1.500
46.7	1.80E+00	1.400	0.700	1.196	0.598	2.000
46.5	1.80E+00	1.400	0.700	1.197	0.598	-1.000
41.1	1.80E+00	1.400	0.700	1.194	0.598	1.100
41.1	1.70E+00	1.300	0.700	1.110	0.598	-0.700
40.9	1.70E+00	1.200	0.800	1.026	0.683	0.400
34.2	1.70E+00	1.200	0.800	1.026	0.684	1.400

197.6	38.3684	1656	61.48	85.7	409.519082	452.29668
197.6	49.08143	1659	61.48	88.3	409.765528	458.505419
197.6	43.87387	1666	61.48	86.8	410.769565	470.493107
197.6	32.9998	1657	61.48	85.3	410.441057	459.857889
197.6	33.85078	1652	61.48	82.7	412.902894	454.993648
	29.17836	1645	61.48	73.4	410.457315	448.222781
	25.69963	1640	60.86	69.6	408.27137	440.795035
	36.53343	1630	60.302	80	406.796407	433.029358
	43.33071	1629	60.24	85.5	408.965625	440.580276
	41.83309	1630	60.24	84.8	409.114141	446.303448
197.6	42.04965	1624	60.24	77.6	409.729303	451.894626
197.6	32.12543	1624	60.24	74.7	414.264231	446.732075
197.6	33.96127	1614	60.089	82	418.721958	443.118141
197.6	33.3306	1607	59.62	82.4	421.65725	441.1
197.6	48.25395	1606	59.62	95.8	421.627812	448.137822
197.6	57.00016	1609	59.62	91.1	431.147959	465.210509
197.6	57.53384	1616	60.24	85.9	434.150569	474.941535
197.6	55.78038	1625	60.24	87.6	438.012066	478.19
197.6	28.3063	1628	60.24	85.8	436.313287	472.118478
197.6	33.75202	1625	60.24	85.2	421.718233	462.026293
197.6	31.97476	1620	60.24	80.4	421.016273	455.803654
197.6	37.11	1609	59.722	81.9	419.06129	452.433839
197.6	44.19058	1608	59.62	91.9	413.792125	456.791901
197.6	49.8045	1610	59.62	92.1	407.945682	467.9875
197.6	53.22166	1613	59.62	87.3	402.198077	477.485745
197.6	51.91	1609	59.62	86.5	412.20409	481.113525
197.6	55.30477	1614	59.62	90.5	421.552381	484.291808
197.6	59.15921	1611	59.933	82.3	443.903605	488.397561
197.6	39.07603	1605	59.62	79.5	426.879423	479.999445
197.6	37.26821	1587	58.99	84.1	416.314395	471.670737
197.6	39.03109	1578	58.37	79.7	409.793785	468.408992
197.6	30.01039	1558	57.75	75.9	408.031288	463.930165
197.6	33.22529	1534	57.13	78.6	406.435125	457.9198
197.6	28.56618	1517	56.51	77.4	400.190595	451.10899
197.6	29.9896	1494	55.563	78	400.283815	446.012377
197.6	31.43415	1476	54.943	56.8	400.193846	442.406094
197.6	14.54622	1436	53.282	5.4	398.22859	423.827216
197.6	43.12485	1392	51.707	0	398.119548	400.057374
	45.82756	1342	49.87	0	394.953333	367.633333
	44.81215	1272	47.148	0	393.331315	337.281718
	40.41467	1206	44.467	0	392.186774	313.572582
	36.58076	1138	41.979	0.2	389.947273	295.137941
	9.65949	1094	39.146	0.2	391.68278	283.50779
195.8	10.74562	1160	35.673	0	378.130921	280.319172
195.8	10.06052	1138	32.61	0	349.170332	277.345865
195.8	10.2549	1170	29.378	0	348.423477	275.920081
195.8	9.57868	1112	27.95	0.6	345.636049	274.284127

0.19224	0.04243	1.34707	2985.747
0.19237	0.04243	1.35003	2993.456
0.19249	0.04243	1.35243	3000.615
0.19259	0.04245	1.35422	3006.306
0.19269	0.04247	1.35601	3011.242
0.19278	0.04247	1.35804	3015.774
0.19286	0.04251	1.36018	3020.105
0.19295	0.04252	1.36206	3024.879
0.19305	0.0426	1.36445	3030.734
0.19315	0.0426	1.36681	3037.16
0.19324	0.0426	1.36881	3043.073
0.19336	0.0426	1.37078	3048.532
0.19347	0.0426	1.37295	3053.68
0.19358	0.04262	1.37539	3058.859
0.19372	0.04262	1.37905	3066.426
0.19387	0.04273	1.38338	3075.907
0.19407	0.04273	1.3879	3085.763
0.19427	0.04273	1.39223	3095.028
0.19441	0.04273	1.39497	3101.132
0.19454	0.04273	1.3964	3106.328
0.19466	0.04276	1.3986	3111.389
0.19478	0.04276	1.40105	3116.844
0.19491	0.0428	1.4043	3123.418
0.19505	0.0428	1.40867	3131.514
0.1952	0.04281	1.4123	3140.255
0.19535	0.04281	1.41593	3148.885
0.19552	0.04281	1.42023	3158.241
0.19569	0.04282	1.42372	3167.916
0.1958	0.04282	1.42588	3173.508
0.19591	0.04284	1.42905	3178.855
0.19602	0.04284	1.43261	3184.266
0.19611	0.04284	1.43538	3189.349
0.1962	0.04284	1.43778	3194.212
0.19629	0.04284	1.43991	3198.634
0.19637	0.04287	1.44207	3202.867
0.19645	0.04287	1.44438	3207.085
0.19649	0.04289	1.44557	3209.319
0.19658	0.04291	1.44581	3212.27
0.1967	0.04297	1.44611	3214.078
0.19682	0.04301	1.44792	3214.864
0.19693	0.04304	1.45077	3215.34
0.19702	0.04307	1.45317	3215.615
0.19706	0.04307	1.45432	3215.718
0.19709	0.04308	1.45533	3215.802
0.19712	0.04308	1.45627	3215.882
0.19715	0.04308	1.45715	3215.962
0.19718	0.04309	1.45811	3216.045

10:24:17.351	-10	0.00006	0	0.00203	0.166	0.000016
10:24:18.351	-10	0.00007	0.00004	0.00233	0.355	0.000035
10:24:19.351	-10	0.00008	0.00002	0.00498	1.475	0.000144
10:24:20.351	-10	0.00009	0.00008	0.00577	3.512	0.000341
10:24:21.351	-10	0.0001	0.00001	0.00489	5.072	0.000491
10:24:22.351	-10	0.00009	0.00002	0.00323	4.443	0.00043
10:24:23.351	-10	0.00007	0.00002	0.00209	3.18	0.000308
10:24:24.351	-10	0.00004	0.00002	0.00156	2.409	0.000233
10:24:25.351	-10	0.00003	0.00006	0.00161	2.015	0.000195
10:24:26.351	-10	0.00003	0.00005	0.00108	1.807	0.000175
10:24:27.351	-10	0.00004	0.00009	0.00193	1.958	0.00019
10:24:28.351	-10	0.00004	0.00006	0.00326	3.045	0.000295
10:24:29.351	-10	0.00005	0.00008	0.00292	3.415	0.00033
10:24:30.351	-10	0.00004	0.00006	0.00202	2.928	0.000283
10:24:31.351	-10	0.00004	0.00006	0.00152	2.557	0.000247
10:24:32.351	-10	0.00004	0.0001	0.0017	2.393	0.000232
10:24:33.351	-10	0.00003	0.00013	0.00156	2.236	0.000216
10:24:34.351	-10	0.00007	0.00014	0.00133	1.939	0.000188
10:24:35.351	-10	0.00006	0.00009	0.00116	1.525	0.000148
10:24:36.351	-10	0.00005	0.0001	0.00114	1.174	0.000114
10:24:37.351	-10	0.00005	0.00006	0.00137	0.942	0.000091
10:24:38.351	-10	0.00004	0.00005	0.0014	0.678	0.000066
10:24:39.351	-10	0.00005	0.00008	0.0019	0.892	0.000087
10:24:40.351	-10	0.00009	0.0001	0.00434	1.677	0.000163
10:24:41.351	-10	0.00019	0.00032	0.01259	8.486	0.000822
10:24:42.351	-10	0.00027	0.00027	0.01524	16.104	0.001556
10:24:43.351	-10	0.00026	0.00024	0.00824	14.196	0.001371
10:24:44.351	-10	0.00023	0.00008	0.00472	10.175	0.000983
10:24:45.351	-10	0.0002	0.00007	0.00384	8.03	0.000776
10:24:46.351	-10	0.00013	0.00009	0.00234	4.929	0.000477
10:24:47.351	-10	0.00011	0.00005	0.00156	3.94	0.000381
10:24:48.351	-10	0.00008	0.00008	0.00145	2.819	0.000273
10:24:49.351	-10	0.00006	0.00004	0.0012	2.092	0.000202
10:24:50.351	-10	0.00005	0.00005	0.00099	1.724	0.000167
10:24:51.351	-10	0.0001	0.00011	0.0013	2.962	0.000287
10:24:52.351	-10	0.00005	0.00005	0.0003	0.692	0.000067
10:24:53.351	-10	0.00004	0.00006	0.00046	0.344	0.000033
10:24:54.351	-10	0.00003	0.00003	0.00106	0.226	0.000022
10:24:55.351	-10	0.00003	0.00004	0.00101	0.186	0.000018
10:24:56.351	-10	0.00005	0.00003	0.00168	0.281	0.000027
10:24:57.351	-10	0.00006	0.00007	0.0028	0.601	0.000059
10:24:58.351	-10	0.00008	0.00003	0.00579	2.37	0.00023
10:24:59.351	-10	0.00014	0.00004	0.01088	8.07	0.000781
10:25:00.351	-10	0.00014	0.00004	0.00502	8.57	0.000828
10:25:01.351	-10	0.00012	0	0.00362	7.237	0.000699
10:25:02.351	-10	0.0001	0	0.00335	5.567	0.000538
10:25:03.351	-10	0.00011	0	0.00405	6.376	0.000616

29.2	1.70E+00	1.200	0.800	1.026	0.684	0.400
29.2	1.80E+00	1.200	0.900	1.021	0.766	3.200
28.1	1.70E+00	1.100	0.900	0.918	0.751	1.300
28.1	1.50E+00	1.000	0.900	0.812	0.731	4.200
28.1	1.60E+00	1.000	1.000	0.794	0.792	0.800
29.3	1.70E+00	1.000	1.100	0.791	0.870	1.400
31.2	1.70E+00	1.000	1.100	0.798	0.877	1.900
31.2	1.00E+00	0.200	1.100	0.168	0.882	1.600
31.2	9.00E-01	0.000	1.100	0.000	0.888	6.000
31.6	9.00E-01	0.000	1.100	0.000	0.898	4.900
31.2	9.00E-01	0.000	1.100	0.000	0.903	7.300
31.2	9.00E-01	0.100	1.000	0.080	0.809	4.200
32.1	1.00E+00	0.200	1.100	0.158	0.878	6.000
32.1	1.00E+00	0.200	1.100	0.160	0.880	4.700
32.8	1.00E+00	0.200	1.100	0.161	0.883	5.400
32.8	1.00E+00	0.200	1.100	0.161	0.884	9.200
33.1	1.00E+00	0.200	1.100	0.161	0.883	13.400
33.1	2.30E+00	1.700	1.100	1.373	0.888	15.600
33.1	2.00E+00	1.500	1.000	1.224	0.816	11.000
33.1	2.00E+00	1.400	1.000	1.155	0.824	11.800
32.6	1.90E+00	1.300	1.000	1.079	0.830	8.200
32.6	1.70E+00	1.100	1.000	0.917	0.833	7.500
32	1.70E+00	1.000	1.000	0.836	0.834	9.300
32	1.70E+00	1.000	1.000	0.833	0.833	6.500
32	1.70E+00	1.000	1.100	0.799	0.878	9.200
31.4	1.60E+00	1.000	1.100	0.781	0.859	5.300
34.6	1.80E+00	1.100	1.200	0.858	0.937	5.500
34.6	2.00E+00	1.400	1.200	1.098	0.942	2.300
34.8	2.20E+00	1.600	1.200	1.260	0.945	2.600
38.7	2.20E+00	1.600	1.200	1.270	0.952	4.700
41.3	2.20E+00	1.600	1.200	1.273	0.955	3.300
41.3	2.20E+00	1.600	1.200	1.274	0.955	7.500
42.3	2.10E+00	1.400	1.200	1.116	0.955	5.200
42.3	2.00E+00	1.300	1.200	1.041	0.961	7.400
42.3	2.00E+00	1.200	1.200	0.977	0.977	7.100
41.5	1.90E+00	1.200	1.100	1.004	0.921	6.900
36.6	1.90E+00	1.200	1.000	1.016	0.849	9.300
36.4	1.80E+00	1.100	1.000	0.935	0.850	4.400
32.7	1.70E+00	1.000	1.000	0.852	0.851	6.400
32.6	1.60E+00	0.900	1.000	0.767	0.852	3.500
30.6	1.60E+00	0.900	1.000	0.762	0.847	6.000
30.6	1.50E+00	0.800	1.000	0.660	0.825	1.500
29.9	1.40E+00	0.700	1.100	0.554	0.870	1.300
30	1.60E+00	0.700	1.300	0.549	1.019	1.600
31.2	1.60E+00	0.700	1.300	0.550	1.021	-3.000
31.2	1.60E+00	0.700	1.300	0.552	1.025	0.000
32.2	1.50E+00	0.600	1.300	0.473	1.025	-2.200

195.8	19.76268	1300	27.32	21.8	345.43875	273.682
195.5	23.45765	1310	27.32	52.7	346.795	279.731809
195.1	27.90152	1327	27.509	74.7	353.669361	295.818057
194.8	39.68095	1368	28.769	79.7	363.351767	320.684188
194.4	44.22045	1422	29.81	74.3	367.473851	345.434744
194	32.8667	1454	30.43	62.3	377.389077	353.472289
194	25.3148	1472	30.88	62.7	376.516226	351.537958
194	20.68503	1473	31.05	27.9	374.547973	343.57485
194	19.36275	1457	30.43	22.4	370.734697	329.076923
194	21.65209	1452	30.43	45.5	377.76217	319.132174
194	26.59625	1469	30.655	71.8	382.916185	321.958732
194	32.92165	1498	31.397	69.2	389.941887	329.20022
194	27.58189	1519	31.67	56.3	386.211227	334.941474
194	24.20977	1529	32.281	51.5	378.414271	328.641717
194	24.68924	1400	32.29	55.2	378.438577	327.708846
194	21.62434	1279	32.29	41.5	380.05101	324.881876
194	20.08589	1275	32.29	23.6	369.553008	317.540717
194	18.1889	1268	32.29	23.3	358.134424	306.847167
194	17.38209	1258	31.893	19.6	349.151408	296.133152
194	17.0774	1253	31.67	18.8	349.77	288.040548
193.6	16.78358	1245	31.67	12.5	356.677115	280.912347
193.2	11.04845	1223	31.05	0	364.883942	274.352667
192.8	10.70497	1204	30.43	14.9	375.156	267.970227
192.4	38.22457	1213	30.43	68.2	373.103792	280.181
192.4	61.08961	1585	31.535	98	378.108553	328.147203
192.8	98.84557	1623	34.141	96.5	385.558553	396.431111
193.2	91.671	1740	36.265	84.2	398.083229	439.734433
193.6	69.16261	1838	38.646	88.6	399.242213	445.76875
194	40.77396	1898	39.74	88.4	408.606944	445.775649
194	40.22358	1597	40.37	74.3	391.146132	430.917514
194	32.77785	1607	40.932	52.6	386.873896	418.12002
194	22.05547	1322	40.99	53.4	378.78977	404.037586
194	18.77029	1317	40.763	32.9	369.468138	387.791868
194	11.34255	1298	40.009	0	364.755556	368.64
194	36.14045	1216	37.531	0	362.339715	348.911902
194	34.641	1135	35.094	0.2	359.20125	324.695191
194	12.08697	1178	32.29	0.2	345.653958	305.220132
194	10.93435	1249	31.67	0	335.368205	296.104835
194	10.61695	1210	30.761	0	325.41094	288.74495
194	26.62185	1181	29.81	25.3	328.8875	283.918486
194	24.73073	1156	29.19	75.7	329.349	289.637181
194	34.96525	1153	29.19	84.8	342.951163	309.865615
194	60.18631	1415	29.81	95.5	346.252124	348.207293
194	56.65375	1458	30.48	70.4	354.977778	379.337218
194	49.79969	1493	31.096	75.6	359.659423	393.956156
194	28.76647	1510	31.67	69.8	359.585386	395.813347
194	46.47841	1516	31.897	97.2	353.31954	405.925721

0.19724	0.04309	1.46014	3216.211
0.19731	0.04313	1.46247	3216.566
0.19739	0.04315	1.46745	3218.041
0.19748	0.04323	1.47322	3221.553
0.19758	0.04324	1.47811	3226.625
0.19767	0.04326	1.48134	3231.068
0.19774	0.04328	1.48343	3234.248
0.19778	0.0433	1.48499	3236.657
0.19781	0.04336	1.4866	3238.672
0.19784	0.04341	1.48768	3240.479
0.19788	0.0435	1.48961	3242.437
0.19792	0.04356	1.49287	3245.482
0.19797	0.04364	1.49579	3248.897
0.19801	0.0437	1.49781	3251.825
0.19805	0.04376	1.49933	3254.382
0.19809	0.04386	1.50103	3256.775
0.19812	0.04399	1.50259	3259.011
0.19819	0.04413	1.50392	3260.95
0.19825	0.04422	1.50508	3262.475
0.1983	0.04432	1.50622	3263.649
0.19835	0.04438	1.50759	3264.591
0.19839	0.04443	1.50899	3265.269
0.19844	0.04451	1.51089	3266.161
0.19853	0.04461	1.51523	3267.838
0.19872	0.04493	1.52782	3276.324
0.19899	0.0452	1.54306	3292.428
0.19925	0.04544	1.5513	3306.624
0.19948	0.04552	1.55602	3316.799
0.19968	0.04559	1.55986	3324.829
0.19981	0.04568	1.5622	3329.758
0.19992	0.04573	1.56376	3333.698
0.2	0.04581	1.56521	3336.517
0.20006	0.04585	1.56641	3338.609
0.20011	0.0459	1.5674	3340.333
0.20021	0.04601	1.5687	3343.295
0.20026	0.04606	1.569	3343.987
0.2003	0.04612	1.56946	3344.331
0.20033	0.04615	1.57052	3344.557
0.20036	0.04619	1.57153	3344.743
0.20041	0.04622	1.57321	3345.024
0.20047	0.04629	1.57601	3345.625
0.20055	0.04632	1.5818	3347.995
0.20069	0.04636	1.59268	3356.065
0.20083	0.0464	1.5977	3364.635
0.20095	0.0464	1.60132	3371.872
0.20105	0.0464	1.60467	3377.439
0.20116	0.0464	1.60872	3383.815

10:25:04.351	-10	0.00011	0.00002	0.00355	6.801	0.000657
10:25:05.351	-10	0.00009	0	0.00242	5.484	0.00053
10:25:06.351	-10	0.00008	0	0.00253	4.831	0.000467
10:25:07.351	-10	0.00008	0.00001	0.0029	4.536	0.000438
10:25:08.351	-10	0.00007	0	0.00236	4.218	0.000408
10:25:09.351	-10	0.00008	0.00008	0.00251	4.894	0.000473
10:25:10.351	-10	0.0001	0.00003	0.00261	6.349	0.000613
10:25:11.351	-10	0.00011	0.00007	0.00245	7.392	0.000714
10:25:12.351	-10	0.00016	0.00007	0.00526	11.562	0.001116
10:25:13.351	-10	0.00026	0.00018	0.00532	19.764	0.001905
10:25:14.351	-10	0.00053	0.00027	0.00509	23.66	0.002281
10:25:15.351	-10	0.00124	0.00002	0.00418	17.867	0.001725
10:25:16.351	-10	0.00085	0.00035	0.00213	6.854	0.000663
10:25:17.351	-10	0.00057	0.00011	0.00188	4.105	0.000397
10:25:18.351	-10	0.00053	0.0002	0.00476	6.597	0.000638
10:25:19.351	-10	0.0006	0.00103	0.01488	13.63	0.001318
10:25:20.351	-10	0.00049	0.00112	0.01087	13.755	0.00133
10:25:21.351	-10	0.00039	0.00039	0.00522	9.519	0.00092
10:25:22.351	-10	0.00038	0.00014	0.00406	9.541	0.000922
10:25:23.351	-10	0.00041	0.00022	0.00496	12.127	0.001171
10:25:24.351	-10	0.00041	0.00003	0.00464	13.295	0.001284
10:25:25.351	-10	0.00041	0.00017	0.00479	13.38	0.001292
10:25:26.351	-10	0.00024	0.00005	0.00341	7.828	0.000756
10:25:27.351	-10	0.00015	0.00002	0.00255	4.446	0.00043
10:25:28.351	-10	0.00011	0.00006	0.00217	3.378	0.000327
10:25:29.351	-10	0.0001	0.00001	0.00204	3.317	0.000321
10:25:30.351	-10	0.00008	0.00008	0.00161	2.888	0.000279
10:25:31.351	-10	0.00008	0.00009	0.00174	2.952	0.000286
10:25:32.351	-10	0.00009	0.00018	0.00199	3.29	0.000318
10:25:33.351	-10	0.0001	0.00017	0.00197	3.633	0.000351
10:25:34.351	-10	0.00005	0.00008	0.001	2.024	0.000196
10:25:35.351	-10	0.00011	0.00014	0.00165	3.516	0.00034
10:25:36.351	-10	0.00014	0.00012	0.00003	2.558	0.000248
10:25:37.351	-10	0.00009	0.00009	0.00049	0.877	0.000085
10:25:38.351	-10	0.00009	0.00005	0.00177	0.773	0.000075
10:25:39.351	-10	0.00013	0.00013	0.00638	2.698	0.000262
10:25:40.351	-10	0.00017	0.0002	0.01	8.286	0.000802
10:25:41.351	-10	0.00019	0.00012	0.00571	10.268	0.000992
10:25:42.351	-10	0.00015	0.00011	0.00275	7.734	0.000747
10:25:43.351	-10	0.00015	0.00005	0.00335	7.389	0.000714
10:25:44.351	-10	0.00015	0.0001	0.0033	7.943	0.000767
10:25:45.351	-10	0.00016	0.00001	0.00155	7.466	0.000721
10:25:46.351	-10	0.0001	0.00009	0.00021	2.728	0.000264
10:25:47.351	-10	0.00008	0.00004	0.00068	1.092	0.000106
10:25:48.351	-10	0.00009	0.00006	0.00169	1.011	0.000098
10:25:49.351	-10	0.00008	0.00008	0.00407	1.726	0.000168
10:25:50.351	-10	0.00008	0.00005	0.00276	2.2	0.000213

32.2	1.50E+00	0.600	1.300	0.470	1.018	1.100
32.8	1.50E+00	0.600	1.300	0.471	1.021	-0.900
32.8	1.50E+00	0.600	1.300	0.473	1.026	-0.500
32.9	1.40E+00	0.500	1.300	0.396	1.027	0.400
32.9	1.40E+00	0.500	1.300	0.395	1.027	-1.200
32.9	1.40E+00	0.500	1.300	0.394	1.026	4.700
32.7	1.40E+00	0.500	1.300	0.392	1.020	1.500
32.6	1.50E+00	0.600	1.300	0.468	1.015	3.000
32.6	1.50E+00	0.600	1.300	0.464	1.006	2.000
33.7	1.50E+00	0.600	1.300	0.461	1.000	3.300
33.9	2.40E+00	1.900	1.300	1.440	1.003	4.100
38.4	6.60E+00	7.200	1.300	5.617	1.017	0.400
38.4	9.10E+00	10.100	1.300	8.072	1.040	12.500
38.6	8.80E+00	9.600	1.300	7.768	1.051	5.700
43.2	6.00E+00	6.200	1.300	4.954	1.039	7.500
43.5	4.00E+00	3.800	1.300	2.990	1.022	22.700
43.5	3.40E+00	2.900	1.400	2.272	1.097	25.400
43.6	3.50E+00	2.900	1.500	2.294	1.186	11.400
46.3	3.40E+00	2.800	1.500	2.218	1.187	4.100
46.4	3.10E+00	2.500	1.500	1.964	1.177	5.600
48.7	3.00E+00	2.300	1.500	1.800	1.173	0.600
51.4	2.90E+00	2.200	1.500	1.725	1.176	3.900
51.4	2.70E+00	1.900	1.500	1.501	1.184	1.800
51.5	2.60E+00	1.800	1.500	1.432	1.193	1.300
54.8	2.50E+00	1.700	1.500	1.353	1.194	4.900
55.9	2.40E+00	1.500	1.500	1.193	1.192	1.000
55.9	2.20E+00	1.300	1.500	1.034	1.191	7.500
56.2	2.20E+00	1.200	1.500	0.957	1.196	7.400
56.2	2.20E+00	1.200	1.500	0.959	1.198	13.400
56.2	2.20E+00	1.200	1.500	0.956	1.195	12.100
56.3	2.10E+00	1.200	1.500	0.954	1.193	10.700
56.4	2.10E+00	1.100	1.500	0.887	1.207	9.000
56.4	2.20E+00	1.100	1.500	0.911	1.242	6.300
56.3	2.00E+00	1.000	1.400	0.844	1.182	6.700
55.2	2.00E+00	1.000	1.400	0.845	1.183	3.800
54.2	2.00E+00	1.000	1.400	0.826	1.157	6.500
54.2	1.80E+00	0.900	1.400	0.712	1.106	7.000
54.2	1.90E+00	1.000	1.400	0.780	1.091	3.800
54.7	1.90E+00	1.000	1.400	0.783	1.096	4.700
54.8	1.90E+00	1.000	1.400	0.783	1.096	2.000
56.2	1.90E+00	1.000	1.400	0.781	1.093	4.000
55.6	1.90E+00	1.000	1.400	0.788	1.103	0.500
55.6	2.00E+00	1.000	1.400	0.817	1.144	5.500
55.6	2.00E+00	1.000	1.400	0.838	1.173	3.600
56	2.00E+00	1.000	1.400	0.841	1.177	4.400
56	1.90E+00	1.000	1.300	0.827	1.074	6.600
55.5	2.00E+00	1.000	1.400	0.816	1.142	4.300

194.2	48.14977	1539	32.29	85.4	348.057115	413.899221
194.6	33.28013	1539	32.29	77.3	363.592105	411.671111
195	35.20611	1533	32.29	74.7	369.690769	407.063077
195.4	34.656	1527	31.927	75.1	373.047826	402.524043
195.8	25.27225	1515	31.67	66.4	366.490865	397.926471
	35.45325	1513	31.67	89.4	364.838619	396.301663
	43.85203	1522	31.67	86	367.474011	405.254412
	42.02073	1544	32.29	76.7	374.829314	417.384287
	64.49206	1581	33.354	86	375.119194	433.756144
	109.61975	1675	35.058	98.8	385.614162	471.334234
196.2	128.23474	1816	37.99	99.6	407.588015	515.177273
196.5	115.48598	1940	40.602	76.2	424.575422	524.353465
196.9	69.14077	2002	42.071	47.2	415.574217	483.215987
197.3	38.41708	1655	42.23	68.8	376.329231	439.005105
197.6	43.84542	1659	42.23	80.6	363.606731	429.900326
197.6	93.78387	1703	42.997	93.6	364.904624	458.129471
197.6	93.8891	1769	44.777	60.8	376.463654	478.426773
197.6	50.04327	1812	45.95	66.9	365.943272	471.065928
197.6	66.58226	1855	47.2	82	364.367105	467.9
197.6	79.35182	1904	48.667	83.2	366.601919	478.8134
197.6	81.31696	1966	50.038	84.8	357.399711	488.112792
197.6	93.10288	2036	51.854	82.9	371.382143	497.478672
197.6	52.62761	1809	52.789	75.3	395.61194	486.652769
197.6	38.05097	1636	54.03	75.6	404.545513	470.873696
197.6	22.57169	1456	54.03	72.3	411.354881	457.424805
197.6	25.91381	1461	54.03	62	405.316736	443.5945
197.6	22.9169	1465	54.388	49.1	398.759667	429.181044
197.6	23.85483	1464	54.03	55.7	381.816763	416.508478
	27.75158	1467	54.65	56.2	378.960212	408.402597
	28.2361	1470	54.65	59.2	377.441667	402.78389
	27.99667	1463	54.126	13.6	376.743623	389.013235
	19.72594	1448	54.03	0	369.461111	370.454592
	47.81213	1434	53.41	0.3	364.369636	349.444965
197.6	19.93735	1424	52.78	19.7	356.314801	326.002947
197.2	24.66134	1408	52.16	46.6	348.199057	317.011765
196.8	46.27633	1415	52.656	98.1	350.363372	338.933883
196.4	64.65815	1433	52.941	93.1	366.418421	383.236882
196	63.83474	1450	53.731	80.1	369.443558	418.673807
196	49.30224	1465	54.388	82.4	371.137288	428.680882
196.3	45.74542	1475	55.137	94.9	378.31	438.457063
196.7	50.60117	1485	55.27	89.3	378.797347	445.027701
197.1	50.25532	1478	55.27	40.3	392.894629	445.579085
197.5	35.13408	1469	54.557	2.1	380.7176	393.833465
	26.73056	1452	53.937	21.3	369.960021	362.111688
	28.36571	1440	53.41	60.3	366.71102	353.241699
	22.70484	1417	53.361	43.3	368.615441	357.413821
	24.28188	1436	52.717	20.6	364.369008	341.69056

0.20127	0.04642	1.61227	3390.616
0.20136	0.04642	1.61469	3396.1
0.20144	0.04642	1.61722	3400.931
0.20152	0.04643	1.62012	3405.467
0.20159	0.04643	1.62248	3409.685
0.20167	0.04651	1.62499	3414.579
0.20177	0.04654	1.6276	3420.928
0.20188	0.04661	1.63005	3428.32
0.20204	0.04668	1.63531	3439.882
0.2023	0.04686	1.64063	3459.646
0.20283	0.04713	1.64572	3483.306
0.20407	0.04715	1.6499	3501.173
0.20492	0.0475	1.65203	3508.027
0.20549	0.04761	1.65391	3512.132
0.20602	0.04781	1.65867	3518.729
0.20662	0.04884	1.67355	3532.359
0.20711	0.04996	1.68442	3546.114
0.2075	0.05035	1.68964	3555.633
0.20788	0.05049	1.6937	3565.174
0.20829	0.05071	1.69866	3577.301
0.2087	0.05074	1.7033	3590.596
0.20911	0.05091	1.70809	3603.976
0.20935	0.05096	1.7115	3611.804
0.2095	0.05098	1.71405	3616.25
0.20961	0.05104	1.71622	3619.628
0.20971	0.05105	1.71826	3622.945
0.20979	0.05113	1.71987	3625.833
0.20987	0.05122	1.72161	3628.785
0.20996	0.0514	1.7236	3632.075
0.21006	0.05157	1.72557	3635.708
0.21011	0.05165	1.72657	3637.732
0.21022	0.05179	1.72822	3641.248
0.21036	0.05191	1.72825	3643.806
0.21045	0.052	1.72874	3644.683
0.21054	0.05205	1.73051	3645.456
0.21067	0.05218	1.73689	3648.154
0.21084	0.05238	1.74689	3656.44
0.21103	0.0525	1.7526	3666.708
0.21118	0.05261	1.75535	3674.442
0.21133	0.05266	1.7587	3681.831
0.21148	0.05276	1.762	3689.774
0.21164	0.05277	1.76355	3697.24
0.21174	0.05286	1.76376	3699.968
0.21182	0.0529	1.76444	3701.06
0.21191	0.05296	1.76613	3702.071
0.21199	0.05304	1.7702	3703.797
0.21207	0.05309	1.77296	3705.997

10:25:51.351	-10	0.00009	0.00012	0.00174	2.177	0.000211
10:25:52.351	-10	0.00008	0.00006	0.0018	1.898	0.000184
10:25:53.351	-10	0.0001	0.00012	0.00348	3.511	0.00034
10:25:54.351	-10	0.00015	0.00016	0.00719	7.781	0.000752
10:25:55.351	-10	0.00018	0.00018	0.00555	9.859	0.000952
10:25:56.351	-10	0.00012	0.00009	0.00104	5.425	0.000524
10:25:57.351	-10	0.00009	0.00004	0.00032	2.557	0.000247
10:25:58.351	-10	0.00009	0.00011	0.00169	2.291	0.000222
10:25:59.351	-10	0.00009	0.00016	0.00364	3.867	0.000374
10:26:00.351	-10	0.0001	0.00022	0.00377	5.253	0.000508
10:26:01.351	-10	0.00012	0.00015	0.00308	7.026	0.000679
10:26:02.351	-10	0.00011	0.0001	0.00178	6.252	0.000604
10:26:03.351	-10	0.00009	0.0001	0.00173	4.931	0.000476
10:26:04.351	-10	0.00009	0.00006	0.00214	4.399	0.000425
10:26:05.351	-10	0.00008	0.00008	0.00208	4.335	0.000419
10:26:06.351	-10	0.00008	0.00005	0.00169	4.549	0.000439
10:26:07.351	-10	0.00009	0.00012	0.00227	5.872	0.000567
10:26:08.351	-10	0.00015	0.00023	0.00464	10.141	0.000978
10:26:09.351	-10	0.00019	0.00026	0.00501	12.308	0.001187
10:26:10.351	-10	0.0002	0.00018	0.00434	12.234	0.00118
10:26:11.351	-10	0.00021	0.0001	0.00436	11.565	0.001116
10:26:12.351	-10	0.00021	0.00016	0.00475	11.306	0.001091
10:26:13.351	-10	0.0002	0.00003	0.00385	9.908	0.000956
10:26:14.351	-10	0.00019	0.00012	0.00401	9.551	0.000922
10:26:15.351	-10	0.00044	0.00012	0.00997	23.656	0.002283
10:26:16.351	-10	0.0046	0.0003	0.01503	35.463	0.003422
10:26:17.351	-10	0.01232	0.00025	0.01463	31.124	0.003007
10:26:18.351	-10	0.01233	0.00016	0.00907	17.614	0.001703
10:26:19.351	-10	0.00599	0.00017	0.00424	7.248	0.000702
10:26:20.351	-10	0.00194	0.00002	0.00239	2.639	0.000256
10:26:21.351	-10	0.00092	0.00007	0.00277	2.115	0.000205
10:26:22.351	-10	0.00068	0.00005	0.00425	3.601	0.000349
10:26:23.351	-10	0.0005	0.00005	0.0046	5.154	0.000499
10:26:24.351	-10	0.00054	0.00008	0.00358	7.541	0.000728
10:26:25.351	-10	0.00046	0.00002	0.00249	7.814	0.000754
10:26:26.351	-10	0.00031	0.00008	0.00205	5.816	0.000562
10:26:27.351	-10	0.00027	0	0.00261	5.284	0.000511
10:26:28.351	-10	0.00023	0.00005	0.0028	5.289	0.000511
10:26:29.351	-10	0.00028	0.00004	0.00352	7.409	0.000715
10:26:30.351	-10	0.00035	0.00012	0.00545	10.71	0.001033
10:26:31.351	-10	0.00033	0.0001	0.0042	11.056	0.001067
10:26:32.351	-10	0.00033	0.00003	0.00488	11.061	0.001067
10:26:33.351	-10	0.0004	0.00012	0.00576	13.844	0.001336
10:26:34.351	-10	0.00027	0	0.00317	8.807	0.00085
10:26:35.351	-10	0.0002	0.00002	0.0022	6.246	0.000603
10:26:36.351	-10	0.00017	0	0.00276	5.604	0.000541
10:26:37.351	-10	0.00019	0.00004	0.00237	6.316	0.00061

54.5	2.00E+00	1.000	1.400	0.819	1.147	8.900		17.81235	1409	52.116	46.1	361.635227	331.227282
54.5	1.90E+00	0.900	1.400	0.745	1.156	4.300	195.8	29.4636	1394	51.54	71.7	362.888577	334.973333
54.5	1.80E+00	0.800	1.400	0.648	1.131	7.000	195.8	41.31179	1392	51.681	90.6	362.379752	351.254446
53.5	1.70E+00	0.800	1.400	0.630	1.103	6.100	195.8	50.99574	1400	52.16	86.8	373.123493	383.753395
53.7	1.70E+00	0.800	1.400	0.626	1.095	5.800	195.8	61.61188	1418	52.561	85.1	385.10499	409.3384
53.7	1.80E+00	0.800	1.400	0.637	1.114	4.300	195.8	43.58246	1418	52.78	17.5	392.100228	402.434494
54.5	1.80E+00	0.800	1.400	0.656	1.147	2.700	195.8	27.35893	1404	52.16	46.2	374.518605	374.66913
54.5	1.80E+00	0.800	1.400	0.659	1.153	7.100	195.8	31.96691	1400	52.16	78.3	369.320189	369.541785
54.5	1.70E+00	0.800	1.300	0.642	1.043	9.900	195.8	34.00877	1397	52.16	90.6	368.867263	379.532339
53.7	1.70E+00	0.800	1.300	0.633	1.028	12.100	195.8	36.02566	1402	52.16	83.6	367.86	383.881522
53.7	1.60E+00	0.800	1.300	0.627	1.018	6.900		53.42537	1408	52.16	97.1	367.412284	406.561341
53.7	1.70E+00	0.900	1.300	0.703	1.017	4.900		35.88433	1415	52.78	89.7	367.903883	409.728473
54.3	1.70E+00	0.800	1.300	0.630	1.025	6.100		30.1329	1415	52.78	87.9	367.299615	406.840659
54.3	1.70E+00	0.800	1.300	0.633	1.028	3.600		24.7801	1418	52.78	89.7	364.776715	407.756148
54.4	1.60E+00	0.700	1.300	0.552	1.025	5.500		29.42134	1416	52.78	82.5	364.892678	406.542373
54.4	1.60E+00	0.700	1.300	0.551	1.023	3.600		31.00563	1414	52.474	92.2	364.82	407.056176
54.4	1.60E+00	0.700	1.300	0.546	1.015	6.900		38.46173	1419	52.78	99.1	363.954237	419.414789
54.3	1.60E+00	0.800	1.300	0.618	1.004	8.000		59.8419	1433	53.41	95.5	364.68125	441.05015
54.8	1.80E+00	0.900	1.400	0.692	1.076	7.900		69.70638	1458	53.744	87.8	361.381524	462.964865
54.9	1.80E+00	0.900	1.400	0.696	1.081	5.200		68.863	1483	54.978	90.1	360.117466	475.835149
56.5	1.90E+00	1.100	1.400	0.852	1.085	3.000	197.7	70.39821	1506	55.569	90.4	360.864045	485.031324
56.6	1.90E+00	1.100	1.400	0.853	1.086	4.900	198.1	66.13715	1524	56.51	91.5	362.544615	489.372414
58.2	2.00E+00	1.200	1.400	0.932	1.089	1.100	198.5	64.49678	1541	57.13	81.9	361.48	490
58.3	2.00E+00	1.200	1.400	0.934	1.090	4.300	198.8	52.79994	1553	57.75	87.3	355.534519	483.965
59.6	1.90E+00	1.200	1.300	0.931	1.008	1.800	199.2	94.04122	1636	58.37	99.6	362.745208	492.13604
59.7	1.35E+01	16.000	1.400	12.430	1.086	2.900		226.18244	2415	60.06	99.1	364.143528	556.775294
61.3	3.67E+01	44.900	1.900	35.233	1.491	2.400		228.33466	2990	62.926	89.7	371.372959	619.792157
61.3	5.38E+01	62.900	4.600	50.162	3.664	2.300		176.27827	2741	64.989	63.9	373.868323	593.790791
61.5	5.02E+01	56.300	5.600	45.640	4.537	4.700		88.44376	2279	65.2	38.2	376.558142	523.502697
66.7	3.51E+01	37.000	5.700	30.396	4.682	1.300		40.7247	1923	65.2	38.3	374.343565	459.9041
67.4	1.97E+01	19.000	4.900	15.654	4.035	5.000	192.4	26.86	1737	64.58	62.8	374.645621	434.090198
67.4	1.18E+01	10.600	3.900	8.619	3.165	3.000	192.7	36.45434	1727	64.092	77.7	379.32795	429.607912
66.5	7.90E+00	6.400	3.500	5.114	2.784	2.600	193.1	38.49546	1719	63.96	77.9	386.052917	433.047449
66.5	6.70E+00	5.000	3.500	3.937	2.747	3.100	193.5	50.11358	1715	63.96	86.5	388.325	438.181081
65.9	5.60E+00	3.800	3.300	2.989	2.586	0.900	193.9	53.245	1715	63.96	84	395.499269	458.771304
65.9	4.80E+00	3.000	3.100	2.365	2.442	3.900	194.5	37.51628	1712	63.818	79.3	400.530729	450.73011
65.9	4.30E+00	2.600	2.900	2.056	2.292	0.000	195.3	34.46282	1707	63.34	79.3	412.094327	449.938022
65.9	3.90E+00	2.300	2.700	1.809	2.124	3.000	196.1	39.64391	1702	63.484	83.5	404.904487	452.455186
65.6	3.70E+00	2.200	2.600	1.717	2.029	1.900	196.9	44.8662	1701	63.34	98.9	393.979191	460.575719
65.6	3.50E+00	2.100	2.400	1.625	1.858	3.800	197.6	62.52151	1709	63.34	93.1	399.537638	477.418217
65.6	3.20E+00	1.700	2.400	1.317	1.857	3.400	197.6	67.29264	1715	63.96	82	407.078491	491.288813
65.6	3.10E+00	1.600	2.400	1.242	1.860	0.900	197.6	65.77481	1728	64.119	91.4	396.330813	495.969314
66.4	3.00E+00	1.600	2.300	1.240	1.783	3.000	197.6	83.68644	1745	64.859	89.2	392.936486	509.668247
66.4	3.00E+00	1.500	2.300	1.173	1.798	-0.700	197.6	56.90302	1757	65.2	79.6	390.278763	511.02198
67.4	2.90E+00	1.500	2.200	1.182	1.733	1.000	197.6	43.65732	1757	65.2	85.2	402.362592	497.456616
67.4	2.80E+00	1.500	2.100	1.180	1.653	0.200	197.6	38.16857	1750	65.2	82.5	407.631042	490.405341
67.4	2.70E+00	1.400	2.100	1.100	1.648	1.700	197.6	43.54146	1742	64.58	82.6	405.377244	483.662212

0.21216	0.05321	1.7747	3708.174
0.21224	0.05327	1.7765	3710.072
0.21234	0.05339	1.77998	3713.583
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0.21267	0.05373	1.79272	3731.223
0.21279	0.05382	1.79376	3736.648
0.21288	0.05386	1.79408	3739.205
0.21297	0.05397	1.79577	3741.496
0.21306	0.05413	1.79941	3745.363
0.21316	0.05435	1.80318	3750.616
0.21328	0.0545	1.80626	3757.642
0.21339	0.0546	1.80804	3763.894
0.21348	0.0547	1.80977	3768.825
0.21357	0.05476	1.81191	3773.224
0.21365	0.05484	1.81399	3777.559
0.21373	0.05489	1.81568	3782.108
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0.21397	0.05524	1.82259	3798.121
0.21416	0.0555	1.8276	3810.429
0.21436	0.05568	1.83194	3822.663
0.21457	0.05578	1.8363	3834.228
0.21478	0.05594	1.84105	3845.534
0.21498	0.05597	1.8449	3855.442
0.21517	0.05609	1.84891	3864.993
0.21561	0.05621	1.85888	3888.649
0.22021	0.05651	1.87391	3924.112
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0.25733	0.05767	1.93836	4043.47
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0.25839	0.05792	1.9532	4079.431
0.25866	0.05792	1.95637	4088.238
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0.25922	0.05798	1.9637	4106.404

10:26:38.351	-10	0.00016	0.00002	0.00207	5.883	0.000568
10:26:39.351	-10	0.00016	0.00003	0.00209	6.697	0.000646
10:26:40.351	-10	0.0002	0.00011	0.00261	9.054	0.000874
10:26:41.351	-10	0.0002	0.00001	0.0029	9.453	0.000912
10:26:42.351	-10	0.00018	0.00006	0.00233	8.594	0.000829
10:26:43.351	-10	0.00015	0	0.00227	6.855	0.000662
10:26:44.351	-10	0.00013	0.00004	0.00228	5.757	0.000556
10:26:45.351	-9.8	0.00013	0.00006	0.00252	5.535	0.000535
10:26:46.351	-9.2	0.00013	0.00005	0.00268	5.789	0.000559
10:26:47.351	-9.8	0.00017	0.0001	0.00333	7.711	0.000745
10:26:48.351	-9.2	0.00025	0.00003	0.00588	12.323	0.001189
10:26:49.351	-10	0.00022	0.00012	0.00338	11.4	0.0011
10:26:50.351	-9.8	0.00026	0.00005	0.00454	12.931	0.001248
10:26:51.351	-9.2	0.00024	0.00005	0.00352	9.731	0.000939
10:26:52.351	-10	0.00026	0.00002	0.00345	10.117	0.000977
10:26:53.351	-10	0.00025	0	0.00338	10.187	0.000983
10:26:54.351	-9.8	0.00021	0.00005	0.00293	8.297	0.000801
10:26:55.351	-9.2	0.00015	0	0.00269	5.754	0.000556
10:26:56.351	-9.7	0.00013	0.00007	0.00255	5.07	0.00049
10:26:57.351	-9	0.00014	0.00007	0.00293	5.722	0.000553
10:26:58.351	-9	0.00014	0.0001	0.00293	5.819	0.000562
10:26:59.351	-9.2	0.00013	0.00009	0.0028	5.749	0.000555
10:27:00.351	-10	0.00012	0.00005	0.0025	5.851	0.000565
10:27:01.351	-9.8	0.00013	0.00014	0.00298	7.323	0.000707
10:27:02.351	-9	0.00016	0.00005	0.00454	9.035	0.000872
10:27:03.351	-9	0.00013	0.00015	0.00282	7.308	0.000706
10:27:04.351	-9	0.00011	0.0001	0.00199	5.859	0.000566
10:27:05.351	-9	0.00011	0.00013	0.00296	5.936	0.000574
10:27:06.351	-9	0.00012	0.00016	0.00306	6.368	0.000615
10:27:07.351	-9	0.00012	0.0001	0.00283	6.746	0.000652
10:27:08.351	-9.2	0.00013	0.0002	0.00255	7.001	0.000676
10:27:09.351	-9.8	0.00012	0.00011	0.00243	7.074	0.000683
10:27:10.351	-9	0.00012	0.0002	0.00248	7.213	0.000697
10:27:11.351	-9	0.00012	0.00012	0.00249	7.237	0.000699
10:27:12.351	-9	0.00011	0.00012	0.00254	7.398	0.000714
10:27:13.351	-9	0.0001	0.0001	0.00255	7.446	0.000719
10:27:14.351	-9	0.0001	0.00007	0.00257	7.52	0.000726
10:27:15.351	-9	0.00011	0.00017	0.00267	7.842	0.000757
10:27:16.351	-9	0.00011	0.0001	0.00272	8.107	0.000783
10:27:17.351	-9	0.0001	0.00018	0.00255	7.477	0.000722
10:27:18.351	-9	0.0001	0.00016	0.00251	7.304	0.000705
10:27:19.351	-9	0.0001	0.0002	0.0025	7.261	0.000701
10:27:20.351	-9	0.00009	0.00014	0.00242	7.028	0.000679
10:27:21.351	-9	0.00009	0.00013	0.0026	7.599	0.000734
10:27:22.351	-9	0.00009	0.00016	0.00266	7.906	0.000763
10:27:23.351	-9	0.00009	0.00008	0.00261	7.726	0.000746
10:27:24.351	-9	0.00008	0.00014	0.00257	7.559	0.00073

67.4	2.60E+00	1.200	2.100	0.941	1.645	1.100
66.7	2.30E+00	1.000	2.000	0.782	1.563	1.400
66.7	2.30E+00	0.900	2.000	0.699	1.554	4.000
66.3	2.20E+00	0.900	1.900	0.698	1.475	0.400
66.3	2.20E+00	0.900	1.900	0.699	1.476	2.300
66.3	2.20E+00	0.900	1.900	0.702	1.483	0.200
66.4	2.10E+00	0.800	1.900	0.627	1.489	1.900
66.4	2.10E+00	0.800	1.900	0.628	1.492	3.500
66.1	2.10E+00	0.800	1.900	0.629	1.494	2.800
65.5	2.10E+00	0.900	1.800	0.705	1.410	4.000
65.5	2.10E+00	0.900	1.800	0.700	1.400	0.900
65.8	2.00E+00	0.900	1.700	0.698	1.319	3.600
65.9	2.00E+00	0.900	1.700	0.701	1.324	1.300
67.2	2.40E+00	1.400	1.700	1.095	1.328	1.700
67.2	2.50E+00	1.600	1.600	1.249	1.249	0.800
68.5	2.50E+00	1.600	1.600	1.246	1.246	-1.000
68.5	2.40E+00	1.600	1.500	1.252	1.175	2.100
68.6	2.40E+00	1.500	1.500	1.181	1.180	-0.200
69.7	2.30E+00	1.400	1.500	1.103	1.182	4.400
69.7	2.20E+00	1.400	1.400	1.106	1.108	3.600
70.2	2.10E+00	1.300	1.400	1.028	1.105	5.200
70.1	2.00E+00	1.300	1.300	1.025	1.025	4.700
70.1	1.90E+00	1.100	1.300	0.864	1.021	2.300
70.1	1.70E+00	1.000	1.200	0.783	0.939	6.100
70.1	1.70E+00	1.000	1.200	0.781	0.937	1.900
70.1	1.70E+00	1.000	1.200	0.781	0.937	6.800
70.3	1.70E+00	1.000	1.200	0.789	0.946	5.300
70.5	1.70E+00	1.000	1.200	0.789	0.946	6.700
70.5	1.70E+00	1.000	1.200	0.786	0.943	7.900
70.5	1.70E+00	1.000	1.200	0.784	0.941	4.700
70.9	1.70E+00	1.000	1.200	0.783	0.939	9.100
70.3	1.60E+00	1.000	1.100	0.782	0.864	5.100
70.3	1.60E+00	1.000	1.100	0.783	0.861	8.800
70.2	1.60E+00	0.900	1.200	0.704	0.939	5.500
70.2	1.50E+00	0.800	1.100	0.627	0.861	5.400
70.2	1.30E+00	0.600	1.100	0.470	0.861	4.400
70.2	1.30E+00	0.600	1.100	0.469	0.861	2.900
70.2	1.30E+00	0.600	1.100	0.469	0.860	7.000
70.2	1.30E+00	0.600	1.100	0.469	0.859	3.900
70.2	1.30E+00	0.600	1.100	0.469	0.860	7.800
70.2	1.30E+00	0.600	1.100	0.470	0.861	6.900
70.2	1.30E+00	0.600	1.100	0.470	0.861	8.700
70.2	1.20E+00	0.500	1.000	0.391	0.783	6.300
70.2	1.10E+00	0.400	1.000	0.313	0.782	5.700
70.2	1.10E+00	0.400	1.000	0.312	0.781	6.600
70.2	1.10E+00	0.400	1.000	0.313	0.781	3.600
70.2	1.10E+00	0.400	1.000	0.313	0.782	6.000

197.6	44.40389	1735	64.58	83.5	423.15625	480.699134
197.6	35.60286	1730	63.96	91.3	423.580488	479.025
	55.80036	1726	63.96	95.8	422.544919	483.566667
	56.9185	1728	63.96	86.8	425.953086	493.371881
	55.464	1727	63.96	92.4	423.199208	489.621436
	39.90004	1723	63.96	87.2	424.219115	486.312439
	42.63386	1715	63.96	87.1	419.673904	477.856861
197.6	30.97184	1711	63.34	96.2	429.21907	470.756235
197.6	36.08087	1706	63.34	85.9	413.044914	466.546615
197.6	40.42769	1706	63.34	89.7	396.748077	466.555657
197.6	78.8407	1715	63.649	93.9	390.7385	487.873985
	71.30303	1734	64.413	89.6	398.598133	502.608511
	81.16209	1758	65.011	91.1	395.893196	510.250147
	54.10571	1773	65.83	86.8	395.875676	508.324777
	65.50929	1788	66.45	92.8	400.982635	507.158582
	67.42543	1808	67.07	84	397.694016	512.298356
199.4	54.15861	1818	67.69	83.2	406.681276	506.207253
199.4	41.07135	1826	67.69	88.2	406.912287	495.534868
199.4	34.18094	1825	67.69	81.2	408.815	483.399387
199.4	42.84123	1823	67.69	75.9	408.893661	472.941584
199.4	42.05903	1823	67.69	80.1	407.233644	468.498438
199.2	39.95618	1823	67.69	82	404.552727	464.376898
198.8	40.12251	1823	67.69	83.6	412.35	463.5
198.4	46.2986	1825	67.69	86	414.157041	465.266495
198.1	60.83777	1831	67.835	87	425.866285	477.045158
197.7	48.11337	1833	68.31	79	431.326176	482.3739
197.6	38.57859	1833	68.31	80.3	425.284937	471.530655
197.6	40.78951	1832	68.31	82.5	421.523156	465.903011
197.6	42.63406	1828	67.69	84.6	426.531535	466.092457
197.6	45.14929	1829	67.69	85.1	429.607368	468.467857
197.6	45.37942	1827	67.69	86	429.825103	470.305863
197.3	45.19468	1828	67.69	86.3	427.167596	471.834624
196.9	46.71172	1825	67.69	85.9	422.503896	472.3
196.5	46.5668	1827	67.69	86.3	424.458929	472.768
196.1	47.32238	1825	67.69	87.4	425.874678	473.653928
195.8	47.49681	1827	67.69	85.3	421.611364	474.1
195.8	48.3152	1826	67.69	87.7	415.52069	474.65663
195.8	50.10193	1824	67.69	86.5	417.049907	475.507527
195.8	51.04817	1827	67.69	85.1	420.089652	476.354528
195.8	47.32309	1828	67.707	82.6	417.16907	475.56169
195.8	46.51546	1829	67.69	86.9	407.74068	474.30944
195.8	46.61241	1826	67.69	85.1	402.650649	473.337419
195.8	45.89916	1828	67.69	84.8	402.690865	473.2
195.8	47.42423	1826	67.69	85.4	407.619	472.345302
195.8	50.433	1826	67.69	84.4	405.343582	474.813158
195.8	49.7663	1825	67.69	84.3	413.071739	475
195.8	49.85033	1825	67.69	84.7	429.953846	475.643648

0.25938	0.058	1.96577	4112.287
0.25954	0.05803	1.96786	4118.984
0.25974	0.05814	1.97047	4128.038
0.25994	0.05815	1.97337	4137.491
0.26012	0.05821	1.9757	4146.085
0.26027	0.05821	1.97797	4152.94
0.2604	0.05825	1.98025	4158.697
0.26053	0.05831	1.98277	4164.232
0.26066	0.05836	1.98545	4170.021
0.26083	0.05846	1.98878	4177.732
0.26108	0.05849	1.99466	4190.055
0.2613	0.05861	1.99804	4201.455
0.26156	0.05866	2.00258	4214.386
0.2618	0.05871	2.0061	4224.117
0.26206	0.05873	2.00955	4234.234
0.26231	0.05873	2.01293	4244.421
0.26252	0.05878	2.01586	4252.718
0.26267	0.05878	2.01855	4258.472
0.2628	0.05885	2.0211	4263.542
0.26294	0.05892	2.02403	4269.264
0.26308	0.05902	2.02696	4275.083
0.26321	0.05911	2.02976	4280.832
0.26333	0.05916	2.03226	4286.683
0.26346	0.0593	2.03524	4294.006
0.26362	0.05935	2.03978	4303.041
0.26375	0.0595	2.0426	4310.349
0.26386	0.0596	2.04459	4316.208
0.26397	0.05973	2.04755	4322.144
0.26409	0.05989	2.05061	4328.512
0.26421	0.05999	2.05344	4335.258
0.26434	0.06019	2.05599	4342.259
0.26446	0.0603	2.05842	4349.333
0.26458	0.0605	2.0609	4356.546
0.2647	0.06062	2.06339	4363.783
0.26481	0.06074	2.06593	4371.181
0.26491	0.06084	2.06848	4378.627
0.26501	0.06091	2.07105	4386.147
0.26512	0.06108	2.07372	4393.989
0.26523	0.06118	2.07644	4402.096
0.26533	0.06136	2.07899	4409.573
0.26543	0.06152	2.0815	4416.877
0.26553	0.06172	2.084	4424.138
0.26562	0.06186	2.08642	4431.166
0.26571	0.06199	2.08902	4438.765
0.2658	0.06215	2.09168	4446.671
0.26589	0.06223	2.09429	4454.397
0.26597	0.06237	2.09686	4461.956

10:27:25.351	-9	0.00009	0.0001	0.00257	7.549	0.000729
10:27:26.351	-9	0.00009	0.00013	0.0026	7.634	0.000737
10:27:27.351	-9	0.00009	0.00014	0.00258	7.561	0.00073
10:27:28.351	-9	0.00009	0.0001	0.0026	7.639	0.000738
10:27:29.351	-9	0.00009	0.00014	0.00263	7.499	0.000724
10:27:30.351	-9	0.00009	0.00007	0.003	7.581	0.000732
10:27:31.351	-9	0.00008	0.00013	0.00239	6.781	0.000655
10:27:32.351	-9	0.00008	0.00009	0.00261	6.716	0.000649
10:27:33.351	-9	0.00009	0.00014	0.00288	7.097	0.000685
10:27:34.351	-9	0.00009	0.00014	0.00282	7.419	0.000716
10:27:35.351	-9	0.00009	0.00011	0.00243	7.325	0.000707
10:27:36.351	-9	0.00009	0.00015	0.00208	7.213	0.000696
10:27:37.351	-9	0.00009	0.00006	0.00241	7.17	0.000692
10:27:38.351	-9	0.00008	0.00013	0.00239	6.938	0.00067
10:27:39.351	-9	0.00008	0.00006	0.00229	6.644	0.000642
10:27:40.351	-9	0.00008	0.00011	0.00224	6.477	0.000625
10:27:41.351	-9	0.00007	0.00009	0.00212	6.101	0.000589
10:27:42.351	-9	0.00007	0.00009	0.00216	6.199	0.000599
10:27:43.351	-9	0.00007	0.00014	0.00214	6.118	0.000591
10:27:44.351	-9	0.00007	0.00003	0.00233	5.927	0.000572
10:27:45.351	-9	0.00007	0.00002	0.00247	6.004	0.00058
10:27:46.351	-9	0.00007	0	0.00257	6.245	0.000603
10:27:47.351	-9	0.00007	0	0.00262	6.374	0.000616
10:27:48.351	-9	0.00007	0.00284	0.00251	6.102	0.00059
10:27:49.351	-9	0.00007	0.00045	0.00252	6.12	0.000591
10:27:50.351	-9	0.00008	0.00013	0.00261	6.327	0.000611
10:27:51.351	-9	0.00007	0	0.00238	5.779	0.000558
10:27:52.351	-9	0.00007	0.00008	0.00232	5.618	0.000543
10:27:53.351	-9	0.00007	0.00004	0.00247	5.691	0.00055
10:27:54.351	-9	0.00007	0.00008	0.00262	5.396	0.000521
10:27:55.351	-9	0.00008	0.0001	0.00285	5.882	0.000568
10:27:56.351	-9	0.00008	0.00007	0.00288	5.935	0.000573
10:27:57.351	-9	0.00007	0.00011	0.00284	5.865	0.000567
10:27:58.351	-9	0.00007	0.00006	0.0027	5.899	0.00057
10:27:59.351	-9	0.00008	0.00015	0.00252	6.009	0.00058
10:28:00.351	-9	0.00008	0.00007	0.00252	6.087	0.000588
10:28:01.351	-9	0.00007	0.00009	0.00215	5.93	0.000573
10:28:02.351	-9	0.00007	0.00009	0.00237	5.975	0.000577
10:28:03.351	-9	0.00007	0.00007	0.00247	5.96	0.000576
10:28:04.351	-9	0.00007	0.00012	0.00255	6.146	0.000594
10:28:05.351	-9	0.00007	0.00007	0.00261	6.315	0.00061
10:28:06.351	-9	0.00008	0.00011	0.00269	6.564	0.000634
10:28:07.351	-9	0.00008	0.00004	0.00272	6.672	0.000644
10:28:08.351	-9	0.00009	0.00008	0.0029	7.168	0.000692
10:28:09.351	-9	0.00008	0.00004	0.00242	6.074	0.000587
10:28:10.351	-9	0.00008	0.00009	0.00145	3.552	0.000344
10:28:11.351	-9	0.00008	0.00011	0.00169	2.487	0.000241

70.2	1.20E+00	0.400	1.100	0.313	0.860	4.200	195.8	48.14762	1829	67.69	86.2	431.080738	475.204946
70.2	1.20E+00	0.400	1.100	0.313	0.860	5.500	195.8	48.81752	1825	67.69	86.4	430.369543	475.8
70.2	1.20E+00	0.400	1.100	0.313	0.860	6.000	195.8	50.0958	1827	67.69	85.7	430.405072	475.8
70.2	1.20E+00	0.400	1.100	0.313	0.860	4.300	196.1	50.16269	1827	67.69	83.3	428.399898	475.8
70.2	1.20E+00	0.400	1.100	0.313	0.860	6.000	196.5	47.32183	1825	67.69	85	435.071053	475.8
70.2	1.20E+00	0.400	1.100	0.313	0.860	3.000	196.8	48.82311	1827	67.69	85.3	430.714063	475.8
70.2	1.20E+00	0.400	1.100	0.313	0.861	5.900	197.2	42.91954	1829	68.121	86.9	430.909519	474.375358
70.2	1.20E+00	0.400	1.100	0.314	0.862	4.100	197.6	42.63838	1828	67.863	86	430.385952	471.532419
70.2	1.20E+00	0.400	1.100	0.313	0.862	6.100	197.6	46.33502	1823	67.69	85.5	431.244811	470.984093
70.2	1.20E+00	0.400	1.100	0.313	0.861	6.300	197.6	48.26744	1826	67.69	84.8	433.43418	471.100326
70.2	1.20E+00	0.400	1.100	0.313	0.861	4.900	197.6	47.74314	1830	67.69	84.7	420.54877	471.100228
70.2	1.20E+00	0.400	1.100	0.313	0.861	6.700	197.6	47.2441	1827	67.69	84.8	416.537907	471.5
70.2	1.20E+00	0.400	1.100	0.313	0.861	2.800	197.6	47.11204	1829	67.69	85.4	401.383138	470.735388
70.2	1.20E+00	0.400	1.100	0.313	0.861	6.200	197.6	44.912	1828	67.69	84.5	407.679243	470.6
70.2	1.20E+00	0.400	1.100	0.313	0.861	3.100	197.6	45.02349	1829	67.69	84.4	406.174843	468.797725
70.2	1.20E+00	0.400	1.100	0.313	0.861	5.600	197.6	42.53509	1830	67.69	83.1	410.541688	467.02125
70.2	1.20E+00	0.400	1.100	0.313	0.862	5.000	197.6	39.62558	1830	68.31	82.3	425.377632	464.230189
70.2	1.10E+00	0.300	1.100	0.235	0.862	4.700	197.6	41.10737	1829	67.69	83.3	432.254808	462.729736
70.3	1.10E+00	0.300	1.100	0.235	0.862	7.500	197.6	39.634	1830	67.903	82.8	425.521195	459.830077
70.3	1.10E+00	0.300	1.100	0.235	0.863	1.400	197.6	39.11914	1831	67.69	81.6	424.984216	457.428831
70.3	1.10E+00	0.300	1.100	0.235	0.863	1.300	197.6	40.34269	1829	67.69	80.8	423.216981	455.318651
70.3	1.10E+00	0.300	1.100	0.235	0.863	-1.000	197.6	42.34826	1826	67.69	80.4	423.083333	453.502941
70.3	1.10E+00	0.300	1.100	0.235	0.863	-0.300	197.2	42.15177	1827	67.69	81.5	423.755703	452.578844
70.3	1.10E+00	0.300	1.100	0.235	0.863	146.500	196.9	41.91802	1828	67.69	80.9	423.28683	451.215974
70.3	1.10E+00	0.300	1.100	0.235	0.863	23.200	196.5	39.32968	1826	67.69	84.2	420.5	449.823624
70.3	1.20E+00	0.400	1.100	0.314	0.863	6.300	196.1	41.72106	1823	67.69	83	415.075962	449.814521
70.3	1.20E+00	0.400	1.100	0.314	0.863	0.000	195.8	39.25758	1832	68.254	81.1	415.928733	449.759647
70.3	1.20E+00	0.400	1.100	0.314	0.863	4.300	195.8	35.94107	1827	67.77	78.4	416.646635	446.803624
70.3	1.20E+00	0.400	1.100	0.315	0.865	2.100	195.8	39.80716	1829	67.69	79.6	414.425	443.990751
70.3	1.30E+00	0.400	1.200	0.315	0.944	4.700	195.8	35.3575	1830	67.69	77.7	408.964269	441.420549
70.3	1.20E+00	0.400	1.100	0.315	0.865	5.000	195.8	41.07098	1827	67.69	81.2	404.578004	439.711289
70.3	1.20E+00	0.400	1.100	0.315	0.865	3.500		40.2164	1827	67.69	81.4	404.603071	439.5
70.3	1.20E+00	0.400	1.100	0.315	0.865	5.700		38.88757	1827	67.69	81.4	405.174349	438.912916
70.3	1.20E+00	0.400	1.100	0.314	0.864	3.200		40.49539	1825	67.69	80.2	405.535227	438.7
70.3	1.20E+00	0.400	1.100	0.314	0.864	7.500		39.69778	1825	67.69	82.2	404.705967	438.7
70.3	1.20E+00	0.400	1.100	0.314	0.864	3.700		41.10031	1827	67.69	81.6	404.716731	439.281176
70.3	1.10E+00	0.300	1.100	0.235	0.863	4.900	195.8	40.74357	1829	67.69	82.1	403.154734	440.119549
70.3	1.10E+00	0.300	1.100	0.236	0.863	4.500	195.8	39.05109	1827	67.69	82.4	403.940556	439.691723
70.3	1.10E+00	0.300	1.100	0.236	0.863	3.700	195.8	40.02611	1829	67.69	81.4	404.471589	439.5
70.3	1.10E+00	0.300	1.100	0.236	0.863	6.000	195.8	39.96053	1827	67.69	82.1	404.244286	438.903279
70.3	1.10E+00	0.300	1.100	0.236	0.863	3.400	195.8	42.42038	1826	67.69	82.3	403.300576	439.300999
70.3	1.10E+00	0.300	1.100	0.235	0.862	5.300	195.8	43.04766	1825	67.69	82.6	403.322788	440.7016
70.3	1.20E+00	0.400	1.100	0.314	0.862	1.700	195.8	43.13372	1825	67.69	84.1	404.057514	442.302803
70.3	1.20E+00	0.400	1.100	0.313	0.862	3.300	195.8	45.67193	1824	67.69	86	404.004348	445.204212
70.2	1.30E+00	0.500	1.100	0.394	0.866	2.000	195.8	50.78958	1819	67.69	63.3	403.060083	442.931579
70.2	1.50E+00	0.700	1.100	0.566	0.890	5.200	195.8	32.03551	1795	66.742	18	398.617453	408.572967
70.2	1.30E+00	0.700	0.900	0.579	0.747	6.200	195.8	38.05344	1779	65.83	59.1	396.848218	382.334946

0.26606	0.06247	2.09943	4469.505
0.26615	0.0626	2.10203	4477.139
0.26624	0.06274	2.10461	4484.7
0.26633	0.06284	2.10721	4492.339
0.26642	0.06298	2.10984	4499.838
0.26651	0.06305	2.11284	4507.419
0.26659	0.06318	2.11523	4514.2
0.26667	0.06327	2.11784	4520.916
0.26676	0.06341	2.12072	4528.013
0.26685	0.06355	2.12354	4535.432
0.26694	0.06366	2.12597	4542.757
0.26703	0.06381	2.12805	4549.97
0.26712	0.06387	2.13046	4557.14
0.2672	0.064	2.13285	4564.078
0.26728	0.06406	2.13514	4570.722
0.26736	0.06417	2.13738	4577.199
0.26743	0.06426	2.1395	4583.3
0.2675	0.06435	2.14166	4589.499
0.26757	0.06449	2.1438	4595.617
0.26764	0.06452	2.14613	4601.544
0.26771	0.06454	2.1486	4607.548
0.26778	0.06454	2.15117	4613.793
0.26785	0.06454	2.15379	4620.167
0.26792	0.06738	2.1563	4626.269
0.26799	0.06783	2.15882	4632.389
0.26807	0.06796	2.16143	4638.716
0.26814	0.06796	2.16381	4644.495
0.26821	0.06804	2.16613	4650.113
0.26828	0.06808	2.1686	4655.804
0.26835	0.06816	2.17122	4661.2
0.26843	0.06826	2.17407	4667.082
0.26851	0.06833	2.17695	4673.017
0.26858	0.06844	2.17979	4678.882
0.26865	0.0685	2.18249	4684.781
0.26873	0.06865	2.18501	4690.79
0.26881	0.06872	2.18753	4696.877
0.26888	0.06881	2.18968	4702.807
0.26895	0.0689	2.19205	4708.782
0.26902	0.06897	2.19452	4714.742
0.26909	0.06909	2.19707	4720.888
0.26916	0.06916	2.19968	4727.203
0.26924	0.06927	2.20237	4733.767
0.26932	0.06931	2.20509	4740.439
0.26941	0.06939	2.20799	4747.607
0.26949	0.06943	2.21041	4753.681
0.26957	0.06952	2.21186	4757.233
0.26965	0.06963	2.21355	4759.72

10:28:12.351	-9	0.00011	0.00006	0.0091	6.338	0.000614
10:28:13.351	-9	0.00013	0.00016	0.0076	9.271	0.000897
10:28:14.351	-9	0.00014	0.00008	0.00456	9.262	0.000895
10:28:15.351	-9	0.0001	0.00012	0.00061	4.191	0.000406
10:28:16.351	-9	0.00008	0.00009	0.00006	1.357	0.000131
10:28:17.351	-9	0.00007	0.00005	0.00159	0.653	0.000063
10:28:18.351	-9	0.00009	0.00014	0.00383	2.25	0.000218
10:28:19.351	-9	0.00011	0.00006	0.00935	6.093	0.000591
10:28:20.351	-9	0.00013	0.00019	0.00881	10.531	0.001018
10:28:21.351	-9	0.00016	0.00007	0.00637	12.847	0.00124
10:28:22.351	-9	0.0002	0.00016	0.00538	15.08	0.001455
10:28:23.351	-9	0.00031	0.00012	0.00439	12.008	0.00116
10:28:24.351	-9	0.00032	0.00009	0.00215	7.036	0.00068
10:28:25.351	-9	0.00029	0.00012	0.00341	6.331	0.000612
10:28:26.351	-9	0.00037	0.00006	0.00583	9.263	0.000895
10:28:27.351	-9	0.00034	0.00012	0.00521	9.758	0.000943
10:28:28.351	-9	0.00023	0	0.00231	6.032	0.000583
10:28:29.351	-9	0.00017	0.00002	0.00114	3.576	0.000346
10:28:30.351	-9	0.00019	0.00003	0.00662	6.188	0.000599
10:28:31.351	-9	0.00023	0.00005	0.0079	9.787	0.000946
10:28:32.351	-9	0.0002	0.0003	0.00512	9.333	0.000902
10:28:33.351	-9	0.00021	0.00006	0.00459	9.989	0.000965
10:28:34.351	-9	0.0002	0.00002	0.00424	10.619	0.001025
10:28:35.351	-9	0.0002	0	0.00358	10.945	0.001056
10:28:36.351	-9	0.00014	0	0.00249	7.132	0.000689
10:28:37.351	-9	0.00014	0.00026	0.00283	6.721	0.000649
10:28:38.351	-9	0.00015	0.00105	0.00379	7.503	0.000725
10:28:39.351	-9	0.00017	0.00026	0.00374	9.199	0.000888
10:28:40.351	-9	0.00019	0	0.00321	10.831	0.001045
10:28:41.351	-9	0.0002	0.00016	0.00303	10.807	0.001043
10:28:42.351	-9	0.0002	0	0.0036	10.989	0.001061
10:28:43.351	-9	0.00022	0.00001	0.00383	11.714	0.001131
10:28:44.351	-9	0.00024	0.00001	0.00434	11.952	0.001154
10:28:45.351	-9	0.00024	0	0.0044	11.397	0.0011
10:28:46.351	-9	0.00019	0.00003	0.00363	8.063	0.000779
10:28:47.351	-9	0.00021	0	0.00445	8.781	0.000848
10:28:48.351	-9	0.00026	0.00008	0.0049	11.39	0.001099
10:28:49.351	-9	0.00026	0	0.00383	11.256	0.001086
10:28:50.351	-9	0.00025	0.00003	0.004	10.987	0.00106
10:28:51.351	-9	0.00029	0.00002	0.00427	12.266	0.001184
10:28:52.351	-9	0.00029	0	0.00412	11.932	0.001152
10:28:53.351	-9	0.00029	0.00005	0.0044	10.948	0.001057
10:28:54.351	-9	0.0003	0	0.00474	10.7	0.001033
10:28:55.351	-9	0.00028	0.00006	0.0039	9.685	0.000935
10:28:56.351	-9	0.0003	0	0.00481	10.334	0.000998
10:28:57.351	-9	0.00035	0.00009	0.00507	12.882	0.001243
10:28:58.351	-9	0.00038	0.00002	0.00437	13.791	0.001331

69.4	1.10E+00	0.600	0.800	0.484	0.645	2.000
68.2	1.20E+00	0.600	0.900	0.474	0.711	4.900
68.2	1.30E+00	0.600	1.000	0.477	0.795	2.200
68.7	1.30E+00	0.600	1.000	0.491	0.818	4.900
68.7	1.30E+00	0.600	1.000	0.506	0.843	4.600
68.6	1.40E+00	0.600	1.000	0.511	0.851	3.400
67	1.30E+00	0.500	1.000	0.417	0.835	6.900
65.1	1.10E+00	0.400	1.000	0.324	0.808	2.000
65.1	1.10E+00	0.400	1.000	0.315	0.787	5.400
65.1	1.20E+00	0.500	1.100	0.389	0.857	1.800
65.1	1.40E+00	0.600	1.200	0.465	0.931	3.600
66.3	2.20E+00	1.600	1.200	1.261	0.949	2.800
66.3	3.40E+00	3.100	1.200	2.477	0.961	3.200
66.3	3.60E+00	3.200	1.300	2.553	1.037	5.000
67	3.50E+00	3.200	1.300	2.524	1.025	1.900
66.6	3.20E+00	2.700	1.400	2.121	1.100	3.700
66.6	2.90E+00	2.100	1.500	1.683	1.202	-0.500
66.6	2.60E+00	1.700	1.500	1.389	1.224	1.200
66.7	2.30E+00	1.400	1.500	1.123	1.201	1.200
65.7	2.10E+00	1.200	1.500	0.946	1.181	1.400
65.7	2.10E+00	1.200	1.500	0.939	1.174	10.300
65.7	2.00E+00	1.100	1.500	0.861	1.174	2.000
66.1	1.90E+00	0.900	1.500	0.702	1.169	0.700
66.1	1.90E+00	0.900	1.500	0.701	1.169	-2.000
66.4	1.90E+00	0.900	1.500	0.705	1.175	0.000
66.4	1.90E+00	0.900	1.500	0.709	1.181	11.900
66.9	1.90E+00	0.900	1.500	0.708	1.179	43.000
65.8	1.90E+00	0.900	1.500	0.701	1.169	9.600
65.8	1.90E+00	0.900	1.500	0.699	1.164	-0.500
66.4	1.90E+00	0.900	1.500	0.701	1.168	5.000
66.4	1.90E+00	0.900	1.500	0.701	1.169	0.000
66.4	1.90E+00	1.000	1.500	0.777	1.168	0.200
66.6	2.00E+00	1.100	1.500	0.857	1.168	0.300
67.3	2.10E+00	1.200	1.500	0.935	1.169	-1.100
67.3	2.30E+00	1.400	1.500	1.097	1.176	1.000
67.9	2.30E+00	1.500	1.500	1.174	1.174	0.000
67.9	2.30E+00	1.500	1.500	1.167	1.167	2.500
67.9	2.30E+00	1.500	1.500	1.167	1.167	-1.000
67.7	2.30E+00	1.500	1.500	1.168	1.168	0.800
67.9	2.40E+00	1.600	1.500	1.242	1.166	0.500
67.9	2.50E+00	1.700	1.500	1.324	1.168	-0.300
67.9	2.70E+00	1.900	1.500	1.482	1.171	1.500
68.2	2.80E+00	2.100	1.500	1.638	1.170	0.000
68.2	2.90E+00	2.200	1.500	1.718	1.172	2.200
68.2	2.90E+00	2.200	1.500	1.717	1.171	0.000
67.8	2.90E+00	2.200	1.500	1.708	1.164	2.300
67.8	2.90E+00	2.200	1.500	1.708	1.165	0.600

195.8	64.66722	1775	65.83	84.8	396.768519	399.619723
195.8	66.61829	1780	66.183	87.4	396.657273	427.555437
195.8	68.11272	1785	66.435	48	405.924	438.547992
195.8	47.11106	1769	65.83	5.6	397.961842	401.450715
195.8	35.0623	1737	64.482	5	386.194389	358.297628
195.8	29.66568	1710	63.34	13.3	377.562474	331.675
195.8	49.1329	1692	62.72	48.3	374.311642	328.867442
195.8	54.88711	1693	62.72	89.4	377.098795	365.736149
195.8	74.2791	1700	63.34	87.2	394.338285	405.336727
196.1	79.05442	1717	63.627	90.1	411.133526	438.536303
196.5	91.96867	1732	64.394	92.9	416.088555	464.225495
196.9	88.70256	1745	65.19	81.8	410.525858	473.58
197.4	60.19363	1741	64.812	69.4	395.152075	449.837391
197.6	39.12785	1733	64.58	88.2	386.143846	439.268889
197.6	65.86122	1737	64.58	93.3	392.841053	451.57192
197.6	60.25164	1740	64.58	84.4	398.619162	466.372874
197.6	53.99522	1735	64.448	45.7	405.258487	450.621548
197.6	42.85074	1716	63.868	61.4	390.386427	417.177961
197.6	53.7437	1712	63.34	92.2	392.384406	418.794618
197.6	69.11287	1714	63.556	86.9	399.854491	441.494504
197.6	58.47248	1719	63.96	81.5	405.225105	454.386266
197.6	64.79058	1721	63.96	98.6	404.821456	462.775385
	65.09312	1728	63.96	79.5	402.637187	476.796813
	69.63595	1734	64.525	88.3	403.642019	484.21994
	52.72719	1735	64.58	79.2	405.381923	482.610236
	43.56665	1729	64.006	80.2	403.637857	472.282353
	51.48673	1727	63.96	85.9	398.088091	472.224536
199.4	56.74454	1727	63.96	85.9	401.028929	480.709412
199.4	66.32261	1727	63.96	86.6	375.980456	488.97581
199.4	67.27458	1730	64.58	84.7	377.829412	494.184474
199.4	66.69601	1737	64.58	86.5	405.3375	495.06485
199.4	72.90136	1745	64.882	89.4	426.396133	499.315948
199.4	74.55885	1754	65.2	87.6	420.150288	503.918332
199.4	74.51775	1764	65.654	87.1	421.996635	506.607293
199.4	42.29693	1763	65.83	79	417.674737	500.364726
199.4	56.21692	1758	65.229	93.4	402.421606	495.927843
	68.57896	1764	65.294	88.7	391.725	503.34183
	72.07713	1766	65.83	88.9	396.723173	510.82977
	67.19595	1770	65.83	88.2	400.066234	511.517647
	77.09776	1774	65.83	88.6	399.829448	515.0611
	73.86077	1778	65.83	89.2	402.076442	517.987387
201.2	71.55571	1780	65.83	80.2	403.406142	517.125774
201.2	63.86222	1777	65.83	97.1	407.701878	515.3077
201.2	63.01135	1769	65.83	75.8	414.114754	511.827045
201.2	63.16192	1766	65.83	96.6	408.213974	512.375823
201.2	77.37962	1766	65.83	91.3	391.297921	522.136522
201.2	83.07057	1773	65.83	84.9	381.58828	528.769206

0.26976	0.06969	2.22265	4766.058
0.26989	0.06985	2.23025	4775.329
0.27003	0.06993	2.23481	4784.591
0.27013	0.07005	2.23542	4788.782
0.27021	0.07014	2.23548	4790.139
0.27028	0.07019	2.23707	4790.792
0.27037	0.07033	2.2409	4793.042
0.27048	0.07039	2.25025	4799.135
0.27061	0.07058	2.25906	4809.666
0.27077	0.07065	2.26543	4822.513
0.27097	0.07081	2.27081	4837.593
0.27128	0.07093	2.2752	4849.601
0.2716	0.07102	2.27735	4856.637
0.27189	0.07114	2.28076	4862.968
0.27226	0.0712	2.28659	4872.231
0.2726	0.07132	2.2918	4881.989
0.27283	0.07132	2.29411	4888.021
0.273	0.07134	2.29525	4891.597
0.27319	0.07137	2.30187	4897.785
0.27342	0.07142	2.30977	4907.572
0.27362	0.07172	2.31489	4916.905
0.27383	0.07178	2.31948	4926.894
0.27403	0.0718	2.32372	4937.513
0.27423	0.0718	2.3273	4948.458
0.27437	0.0718	2.32979	4955.59
0.27451	0.07206	2.33262	4962.311
0.27466	0.07311	2.33641	4969.814
0.27483	0.07337	2.34015	4979.013
0.27502	0.07337	2.34336	4989.844
0.27522	0.07353	2.34639	5000.651
0.27542	0.07353	2.34999	5011.64
0.27564	0.07354	2.35382	5023.354
0.27588	0.07355	2.35816	5035.306
0.27612	0.07355	2.36256	5046.703
0.27631	0.07358	2.36619	5054.766
0.27652	0.07358	2.37064	5063.547
0.27678	0.07366	2.37554	5074.937
0.27704	0.07366	2.37937	5086.193
0.27729	0.07369	2.38337	5097.18
0.27758	0.07371	2.38764	5109.446
0.27787	0.07371	2.39176	5121.378
0.27816	0.07376	2.39616	5132.326
0.27846	0.07376	2.4009	5143.026
0.27874	0.07382	2.4048	5152.711
0.27904	0.07382	2.40961	5163.045
0.27939	0.07391	2.41468	5175.927
0.27977	0.07393	2.41905	5189.718

10:28:59.351	-9	0.00046	0	0.0046	13.708	0.001323
10:29:00.351	-9	0.00062	0	0.00503	12.812	0.001237
10:29:01.351	-9	0.00076	0	0.00565	13.073	0.001262
10:29:02.351	-9	0.00092	0	0.00537	15.055	0.001453
10:29:03.351	-9	0.00102	0	0.00531	16.365	0.001579
10:29:04.351	-9	0.00112	0.00003	0.00514	14.285	0.001379
10:29:05.351	-9	0.00098	0.00002	0.00435	9.849	0.000951
10:29:06.351	-9	0.00097	0.00002	0.00517	10.077	0.000973
10:29:07.351	-9	0.00098	0.00002	0.00462	13.073	0.001262
10:29:08.351	-9	0.00073	0	0.00351	12.118	0.001169
10:29:09.351	-9	0.0006	0.00007	0.00373	11.094	0.001071
10:29:10.351	-9	0.00047	0.00001	0.00385	9.622	0.000929
10:29:11.351	-9	0.00048	0.00006	0.00436	12.354	0.001192
10:29:12.351	-9	0.00045	0.00005	0.00367	13.976	0.001348
10:29:13.351	-9	0.00045	0.00001	0.00392	14.744	0.001423
10:29:14.351	-9	0.00045	0.00006	0.00401	14.338	0.001384
10:29:15.351	-9	0.00031	0	0.00402	9.537	0.000921
10:29:16.351	-9	0.00031	0.00007	0.00485	10.344	0.000999
10:29:17.351	-9	0.0003	0	0.00444	11.737	0.001133
10:29:18.351	-9	0.00026	0.00001	0.00384	9.872	0.000953
10:29:19.351	-9	0.00018	0.00002	0.00115	6.936	0.00067
10:29:20.351	-9	0.00022	0.00001	0.00465	8.939	0.000864
10:29:21.351	-9	0.00027	0.00006	0.00653	13.011	0.001256
10:29:22.351	-9	0.0003	0	0.00528	12.987	0.001254
10:29:23.351	-9	0.0003	0.00006	0.00542	12.674	0.001224
10:29:24.351	-9	0.00025	0	0.00523	10.543	0.001019
10:29:25.351	-9	0.00017	0.00004	0.00383	7.483	0.000723
10:29:26.351	-9	0.00017	0	0.00416	7.836	0.000757
10:29:27.351	-9	0.00021	0.00006	0.00583	11.087	0.001071
10:29:28.351	-9	0.00019	0.00005	0.00557	10.804	0.001043
10:29:29.351	-9	0.00014	0	0.00383	7.614	0.000736
10:29:30.351	-9	0.00013	0.00007	0.00426	6.967	0.000673
10:29:31.351	-9	0.00016	0.00001	0.00522	8.914	0.000861
10:29:32.351	-9	0.00016	0.00005	0.00422	9.274	0.000896
10:29:33.351	-9	0.00014	0.00001	0.00329	7.439	0.000719
10:29:34.351	-9	0.00013	0.00002	0.00326	6.451	0.000623
10:29:35.351	-9	0.00015	0.00008	0.00418	8.523	0.000823
10:29:36.351	-9	0.00021	0.00015	0.00751	12.662	0.001223
10:29:37.351	-9	0.00017	0.00029	0.00421	9.796	0.000946
10:29:38.351	-9	0.00015	0.00016	0.00332	7.778	0.000751
10:29:39.351	-9	0.00014	0.00022	0.00398	7.047	0.000681
10:29:40.351	-9	0.00012	0.00018	0.00416	6.352	0.000614
10:29:41.351	-9	0.00017	0.0003	0.00512	9.617	0.000929
10:29:42.351	-9	0.00018	0.00026	0.00408	10.565	0.00102
10:29:43.351	-9	0.00018	0.00005	0.00412	10.768	0.001039
10:29:44.351	-9	0.00021	0.00022	0.00468	12.335	0.001191
10:29:45.351	-9	0.00022	0.0001	0.00487	12.638	0.00122

67.8	3.40E+00	2.900	1.500	2.251	1.168	-0.500
67.8	4.80E+00	4.600	1.600	3.583	1.250	-0.800
67.8	5.80E+00	5.800	1.700	4.514	1.326	-5.500
68.2	6.30E+00	6.300	1.800	4.897	1.400	-2.800
68.4	6.40E+00	6.400	1.800	4.981	1.401	-3.000
68.4	7.70E+00	7.900	1.900	6.168	1.486	0.700
68.4	9.30E+00	9.800	2.000	7.700	1.572	0.500
69.3	9.40E+00	9.900	2.100	7.749	1.643	0.800
69.3	7.60E+00	7.700	2.100	6.008	1.636	0.500
69.2	6.20E+00	5.800	2.100	4.525	1.635	-1.700
69.2	5.30E+00	4.700	2.100	3.673	1.640	2.000
68.9	4.80E+00	4.100	2.000	3.210	1.565	0.200
68.7	4.00E+00	3.200	2.000	2.491	1.555	1.800
68.7	3.40E+00	2.600	1.800	2.018	1.397	1.300
68.7	3.20E+00	2.300	1.800	1.788	1.399	0.300
68.6	3.10E+00	2.200	1.800	1.718	1.406	1.300
69.5	3.10E+00	2.200	1.700	1.729	1.338	-0.600
69.5	3.00E+00	2.100	1.700	1.642	1.329	2.200
69.5	2.60E+00	1.700	1.700	1.323	1.323	-0.600
69.9	2.60E+00	1.600	1.700	1.250	1.328	0.200
69.9	2.40E+00	1.400	1.700	1.102	1.336	1.000
70.4	2.40E+00	1.300	1.700	1.020	1.334	0.400
70.4	2.20E+00	1.200	1.600	0.933	1.243	1.600
70.4	2.20E+00	1.200	1.600	0.940	1.254	-0.400
70.4	2.20E+00	1.200	1.600	0.943	1.257	1.400
71.1	2.10E+00	1.100	1.600	0.867	1.261	-1.600
71.2	2.10E+00	1.100	1.500	0.869	1.185	1.400
72.2	2.00E+00	1.000	1.500	0.788	1.181	0.200
72.2	1.90E+00	0.900	1.500	0.702	1.170	1.900
72.4	1.80E+00	0.800	1.500	0.624	1.170	1.600
72.4	1.70E+00	0.700	1.500	0.550	1.179	-0.500
72.7	1.70E+00	0.700	1.500	0.551	1.181	3.000
72.7	1.70E+00	0.700	1.500	0.549	1.176	0.200
72.5	1.70E+00	0.700	1.500	0.547	1.173	1.800
72.3	1.70E+00	0.700	1.500	0.549	1.177	0.500
72.3	1.70E+00	0.700	1.500	0.552	1.184	0.800
72.3	1.70E+00	0.700	1.500	0.548	1.174	3.000
72.2	1.70E+00	0.700	1.500	0.545	1.167	4.000
72.2	1.70E+00	0.700	1.500	0.547	1.172	9.500
72.2	1.70E+00	0.700	1.500	0.551	1.180	6.100
72.7	1.70E+00	0.700	1.500	0.552	1.183	9.500
72.7	1.70E+00	0.700	1.500	0.551	1.181	8.500
72.5	1.70E+00	0.700	1.500	0.547	1.172	10.300
72.5	1.70E+00	0.700	1.500	0.546	1.169	8.200
72.5	1.70E+00	0.700	1.500	0.545	1.169	1.500
72.5	1.70E+00	0.700	1.500	0.545	1.168	6.000
73.2	1.70E+00	0.700	1.500	0.546	1.169	2.600

201.2	85.2476	1779	65.83	87.1	385.585701	531.120979
201.2	85.43626	1782	66.16	88.2	387.745	533.017465
201.2	74.07633	1780	65.83	88.3	402.311429	528.533606
201.2	93.306	1793	66.45	92.3	401.2624	535.808824
201.4	102.46899	1799	66.908	91.1	401.67125	544.967287
201.7	95.3962	1815	67.07	83.2	402.704288	541.891443
202.1	66.272	1805	67.07	83.5	413.290625	534.990739
202.5	59.81919	1797	67.07	96.3	418.52375	528.088911
202.8	83.63617	1799	67.07	92.2	417.678497	537.1292
203	78.91108	1798	67.07	87.3	419.040586	540.6368
203	70.71517	1793	66.45	83.4	419.762083	535.715254
203	59.08408	1789	66.45	85	419.159958	527.661546
203	73.72253	1782	66.45	87.1	431.812732	530.264667
203	83.78432	1792	66.45	84.7	453.509737	539.69085
203	90.51306	1805	66.661	86.7	456.8778	544.215369
203	94.395	1815	67.28	84	458.589583	544.903
203	57.756	1817	67.69	92.7	457.172917	538.587456
203	65.87628	1818	67.69	93	465.538208	533.99421
203	68.81077	1824	67.69	87	455.480769	535.889556
202.6	73.30021	1830	68.275	87.7	444.651701	535.566739
202.2	33.18937	1852	68.31	99.5	443.667458	521.908972
201.8	57.64977	1829	67.789	92.8	429.81289	516.143542
201.4	82.08904	1840	68.31	92.5	418.453565	530.670078
201.2	80.9919	1853	68.93	78.8	411.09209	539.143478
201.2	88.32369	1864	69.261	74	412.712981	527.062162
201.2	82.46613	1878	69.861	88.8	414.886007	526.40322
201.2	45.82127	1881	69.907	91.8	412.038693	512.893417
201.2	51.73318	1881	70.165	87.2	436.011184	507.656098
201.2	69.33992	1887	70.17	89.8	451.466929	516.039333
201.2	73.56108	1888	70.17	79.5	469.079545	524.398694
201.2	50.20332	1891	70.17	84.4	466.77079	516.848256
201.2	38.639	1882	70.17	83.6	447.073256	506.715842
201.2	59.36492	1880	70.17	82.8	431.959827	507.55011
201.2	62.76238	1881	70.17	81.9	426.049038	512.026247
201.2	48.64442	1877	69.55	74.4	428.210169	506.608798
201.2	43.8559	1873	69.55	80.9	424.44238	497.441736
201.2	54.24727	1873	69.55	87.2	415.06929	495.3
	82.95182	1880	70.018	90.2	425.008589	515.484984
	77.45198	1893	70.17	82.5	423.652749	524.36523
	50.8562	1892	70.17	81.6	420.980903	508.583333
	51.25476	1888	70.17	82.2	423.824896	502.629626
	27.05731	1882	70.17	87.5	422.995178	497.389187
199.4	63.67433	1883	70.17	87.6	421.908142	502.058911
199.4	67.72	1889	70.17	82.2	423.048703	511.052239
199.4	64.45264	1895	70.58	82.8	422.165839	511.7
199.4	77.98671	1903	71.209	87.1	424.228287	518.494554
199.4	79.41243	1917	71.42	83.2	432.022727	523.978878

0.28023	0.07393	2.42365	5203.426
0.28085	0.07393	2.42868	5216.238
0.28161	0.07393	2.43433	5229.311
0.28253	0.07393	2.4397	5244.366
0.28355	0.07393	2.44501	5260.731
0.28467	0.07396	2.45015	5275.016
0.28565	0.07398	2.4545	5284.865
0.28662	0.074	2.45967	5294.942
0.2876	0.07402	2.46429	5308.015
0.28833	0.07402	2.4678	5320.133
0.28893	0.07409	2.47153	5331.227
0.2894	0.0741	2.47538	5340.849
0.28988	0.07416	2.47974	5353.203
0.29033	0.07421	2.48341	5367.179
0.29078	0.07422	2.48733	5381.923
0.29123	0.07428	2.49134	5396.261
0.29154	0.07428	2.49536	5405.798
0.29185	0.07435	2.50021	5416.142
0.29215	0.07435	2.50465	5427.879
0.29241	0.07436	2.50849	5437.751
0.29259	0.07438	2.50964	5444.687
0.29281	0.07439	2.51429	5453.626
0.29308	0.07445	2.52082	5466.637
0.29338	0.07445	2.5261	5479.624
0.29368	0.07451	2.53152	5492.298
0.29393	0.07451	2.53675	5502.841
0.2941	0.07455	2.54058	5510.324
0.29427	0.07455	2.54474	5518.16
0.29448	0.07461	2.55057	5529.247
0.29467	0.07466	2.55614	5540.051
0.29481	0.07466	2.55997	5547.665
0.29494	0.07473	2.56423	5554.632
0.2951	0.07474	2.56945	5563.546
0.29526	0.07479	2.57367	5572.82
0.2954	0.0748	2.57696	5580.259
0.29553	0.07482	2.58022	5586.71
0.29568	0.0749	2.5844	5595.233
0.29589	0.07505	2.59191	5607.895
0.29606	0.07534	2.59612	5617.691
0.29621	0.0755	2.59944	5625.469
0.29635	0.07572	2.60342	5632.516
0.29647	0.0759	2.60758	5638.868
0.29664	0.0762	2.6127	5648.485
0.29682	0.07646	2.61678	5659.05
0.297	0.07651	2.6209	5669.818
0.29721	0.07673	2.62558	5682.153
0.29743	0.07683	2.63045	5694.791

10:29:46.351	-9	0.00017	0.00019	0.00447	9.37	0.000905
10:29:47.351	-9	0.00018	0.00012	0.00571	10.384	0.001003
10:29:48.351	-9	0.00018	0.00016	0.00477	10.583	0.001022
10:29:49.351	-9	0.00013	0.00011	0.00276	7.426	0.000717
10:29:50.351	-9	0.00015	0.00011	0.0039	8.106	0.000783
10:29:51.351	-9	0.00017	0.00022	0.00449	9.776	0.000944
10:29:52.351	-9	0.00017	0.0001	0.00412	10.476	0.001011
10:29:53.351	-9	0.00022	0.00021	0.00471	13.229	0.001277
10:29:54.351	-9	0.00025	0.00013	0.00393	14.853	0.001433
10:29:55.351	-9	0.00026	0.00015	0.00397	14.695	0.001418
10:29:56.351	-9	0.00024	0.0002	0.00576	14.979	0.001446
10:29:57.351	-9	0.00026	0.00009	0.00649	15.857	0.001531
10:29:58.351	-9	0.00025	0.00026	0.00627	15.135	0.001461
10:29:59.351	-9	0.00023	0.00011	0.00629	13.442	0.001298
10:30:00.351	-9	0.00021	0.00017	0.00654	13.047	0.00126
10:30:01.351	-9	0.00023	0.00081	0.00578	14.352	0.001386
10:30:02.351	-9	0.00023	0.00095	0.00554	14.265	0.001377
10:30:03.351	-9	0.00023	0.00092	0.00459	13.32	0.001286
10:30:04.351	-9	0.00018	0.0007	0.0037	10.031	0.000969
10:30:05.351	-9	0.00017	0.00071	0.0044	9.236	0.000892
10:30:06.351	-9	0.00016	0.00063	0.00379	8.807	0.000851
10:30:07.351	-9	0.00016	0.00076	0.00452	9.892	0.000956
10:30:08.351	-9	0.0002	0.00084	0.00469	12.685	0.001225
10:30:09.351	-9	0.00018	0.00081	0.00353	11.414	0.001102
10:30:10.351	-9	0.00013	0.00064	0.00333	7.898	0.000763
10:30:11.351	-9	0.00016	0.00073	0.00578	10.29	0.000994
10:30:12.351	-9	0.00018	0.00098	0.0046	11.506	0.001111
10:30:13.351	-9	0.00019	0.00092	0.00451	11.4	0.001101
10:30:14.351	-9	0.00019	0.00097	0.00401	11.208	0.001082
10:30:15.351	-9	0.00019	0.00087	0.00409	10.964	0.001059
10:30:16.351	-9	0.00019	0.00083	0.00441	10.185	0.000984
10:30:17.351	-9	0.00012	0.00047	0.00298	5.899	0.00057
10:30:18.351	-9	0.00013	0.00047	0.00345	6.45	0.000624
10:30:19.351	-9	0.00017	0.00056	0.00474	8.548	0.000826
10:30:20.351	-9	0.0002	0.00058	0.00569	11.069	0.001069
10:30:21.351	-9	0.00021	0.00071	0.00498	11.795	0.001139
10:30:22.351	-9	0.00017	0.00052	0.00345	8.587	0.00083
10:30:23.351	-9	0.00012	0.00043	0.00324	6.111	0.000591
10:30:24.351	-9	0.00009	0.0004	0.00282	4.671	0.000452
10:30:25.351	-9	0.00008	0.00038	0.00222	3.534	0.000342
10:30:26.351	-9	0.00007	0.00047	0.00072	2.11	0.000204
10:30:27.351	-9	0.00007	0.00037	0.00085	1.022	0.000099
10:30:28.351	-9	0.00007	0.00037	0.00203	0.56	0.000055
10:30:29.351	-9	0.00007	0.00037	0.00337	0.775	0.000076
10:30:30.351	-9	0.00008	0.00043	0.00538	2.177	0.000212
10:30:31.351	-9	0.00011	0.00058	0.00622	4.782	0.000464
10:30:32.351	-9	0.00013	0.00057	0.00542	6.829	0.000661

73.2	1.70E+00	0.700	1.500	0.550	1.179	6.400
74	1.70E+00	0.700	1.500	0.547	1.173	3.900
74	1.70E+00	0.700	1.500	0.547	1.172	5.000
74	1.70E+00	0.700	1.500	0.549	1.176	4.500
74.2	1.70E+00	0.700	1.500	0.550	1.179	4.000
74.2	1.60E+00	0.700	1.400	0.548	1.096	7.100
74	1.60E+00	0.700	1.400	0.547	1.094	3.000
73.9	1.70E+00	0.800	1.400	0.622	1.088	5.500
73.9	1.80E+00	0.800	1.500	0.621	1.165	3.000
74.6	1.80E+00	0.800	1.500	0.623	1.167	3.500
74.6	1.60E+00	0.700	1.400	0.546	1.091	4.600
74.6	1.60E+00	0.700	1.400	0.545	1.091	1.900
75.5	1.60E+00	0.700	1.400	0.547	1.094	5.600
76.6	1.60E+00	0.700	1.400	0.548	1.095	2.600
76.6	1.60E+00	0.700	1.400	0.546	1.093	4.200
76.6	1.60E+00	0.700	1.400	0.546	1.091	18.900
77.4	1.60E+00	0.700	1.400	0.546	1.092	22.100
78.1	1.60E+00	0.700	1.400	0.548	1.096	22.300
78.1	1.70E+00	0.700	1.400	0.551	1.103	21.000
78.5	1.70E+00	0.700	1.400	0.551	1.101	23.500
78.5	1.70E+00	0.700	1.400	0.551	1.102	21.500
77.9	1.60E+00	0.600	1.400	0.470	1.097	24.400
77.9	1.60E+00	0.600	1.400	0.468	1.091	22.000
77.9	1.60E+00	0.600	1.400	0.469	1.093	23.200
77.7	1.50E+00	0.500	1.400	0.396	1.106	23.500
77.7	1.50E+00	0.500	1.400	0.392	1.097	22.500
77.7	1.60E+00	0.600	1.400	0.468	1.095	27.600
77.2	1.60E+00	0.700	1.400	0.546	1.094	26.300
77.2	1.60E+00	0.700	1.400	0.547	1.094	28.300
77.2	1.70E+00	0.800	1.400	0.626	1.096	25.600
77.2	1.70E+00	0.800	1.400	0.627	1.098	25.700
77.1	1.70E+00	0.800	1.400	0.631	1.104	23.600
77.1	1.70E+00	0.800	1.400	0.634	1.110	20.600
76.3	1.70E+00	0.800	1.400	0.631	1.104	19.300
76.3	1.70E+00	0.800	1.400	0.626	1.095	16.800
76.3	1.70E+00	0.800	1.400	0.625	1.093	19.700
76	1.80E+00	0.800	1.500	0.629	1.177	18.500
76	1.70E+00	0.700	1.500	0.555	1.186	20.200
76.4	1.70E+00	0.600	1.500	0.476	1.189	23.800
76.1	1.50E+00	0.500	1.400	0.403	1.128	24.400
76.1	1.50E+00	0.400	1.400	0.331	1.157	31.400
76	1.50E+00	0.400	1.400	0.337	1.180	25.500
74.3	1.40E+00	0.300	1.400	0.255	1.190	26.500
74.2	1.40E+00	0.300	1.400	0.254	1.187	24.100
72.5	1.40E+00	0.300	1.400	0.249	1.161	25.200
71.1	1.50E+00	0.300	1.500	0.243	1.213	25.600
71.1	1.50E+00	0.300	1.600	0.239	1.272	22.500

199.4	51.0257	1923	71.42	87.7	439.837161	515.5
199.4	66.78391	1923	71.42	88.2	457.346966	516.041935
199.4	70.15303	1931	72.04	76.4	469.178205	517.312821
199.4	60.20227	1928	72.04	74.9	453.578322	511.590715
199.4	42.92292	1924	71.42	95.9	448.69422	503.923353
199.4	66.74274	1916	71.42	90.6	446.631944	504.139667
199.4	67.0662	1921	71.42	90.2	450.005364	510.627473
199.4	83.33014	1926	71.42	89.4	451.132218	519.943006
199.4	91.80344	1939	72.04	88.6	444.297697	529.575325
	95.54301	1961	72.66	88.8	448.10566	533.553982
	92.86262	1971	73.28	92.6	451.468416	534.760844
	100.94537	1985	73.923	89.1	452.220076	536.258812
	98.73996	2003	73.944	90.2	451.851935	535.814212
	87.97502	2007	74.563	90.9	449.115962	531.536874
201.2	82.0045	2016	75.14	95.7	447.916284	528.863636
201.2	90.38497	2026	75.14	89.9	447.547036	530.342557
201.2	89.77696	2036	75.76	86.9	447.487667	531.4
201.2	86.92343	2040	75.76	83.3	445.470858	528.940041
201.2	67.01478	2040	75.76	84.4	443.567692	521.533167
	63.90328	2033	75.76	85.1	441.946008	516.501379
	57.75233	2025	75.14	85.6	440.935838	510.1492
	66.12753	2020	75.14	91.2	439.755577	510.656219
	86.19189	2021	75.14	84.4	439.704517	521.081282
	81.41833	2021	75.14	85.4	442.435377	526.931977
201.2	36.30869	2007	75.713	71.7	444.00125	515.5685
201.2	70.01812	2012	74.52	97.9	434.943894	514.940652
201.2	76.13742	2008	74.52	82.4	426.04108	521.89989
201.2	71.51058	2004	74.52	84.3	421.690795	523
201.2	73.20995	2006	74.52	86.9	415.763306	524.687051
201.2	70.26879	2008	74.52	90.6	424.775783	523.049511
201.2	64.13683	2005	74.52	85.7	426.450132	519.287487
201.2	43.13202	1995	74.367	58.8	450.581923	507.552625
201.2	41.22523	1982	73.457	78.7	443.877778	489.334118
	59.78943	1974	73.28	86.3	435.253409	490.435606
	74.06868	1975	73.28	89.3	440.829463	505.839412
	80.11615	1983	74.421	82	448.714575	514.631532
	63.77933	1984	73.9	83.4	448.100918	512.512564
	34.30722	1981	73.9	80.3	445.152403	501.534118
201.2	36.57038	1972	73.376	75.3	441.64135	486.116123
200.8	32.82864	1953	72.756	2.4	436.510857	458.604361
200.4	31.99347	1924	71.537	5.8	421.721132	422.395714
200	31.55308	1900	70.615	1.2	412.5695	392.084
199.6	31.02793	1878	69.854	14.9	412.571722	367.987459
199.2	41.607	1860	69.08	43.7	407.825462	353.585408
198.8	38.98228	1849	68.93	60.7	408.508108	357.393207
198.5	52.69514	1846	68.31	77.3	410.436473	378.27428
198.1	50.77419	1847	68.31	79.8	411.644487	400.781256

0.2976	0.07702	2.63492	5704.161
0.29778	0.07714	2.64063	5714.545
0.29796	0.0773	2.6454	5725.128
0.29809	0.07741	2.64816	5732.554
0.29824	0.07752	2.65206	5740.66
0.29841	0.07774	2.65655	5750.436
0.29858	0.07784	2.66067	5760.912
0.2988	0.07805	2.66538	5774.141
0.29905	0.07818	2.66931	5788.994
0.29931	0.07833	2.67328	5803.689
0.29955	0.07853	2.67904	5818.668
0.29981	0.07862	2.68553	5834.525
0.30006	0.07888	2.6918	5849.66
0.30029	0.07899	2.69809	5863.102
0.3005	0.07916	2.70463	5876.149
0.30073	0.07997	2.71041	5890.501
0.30096	0.08092	2.71595	5904.766
0.30119	0.08184	2.72054	5918.086
0.30137	0.08254	2.72424	5928.117
0.30154	0.08325	2.72864	5937.353
0.3017	0.08388	2.73243	5946.16
0.30186	0.08464	2.73695	5956.052
0.30206	0.08548	2.74164	5968.737
0.30224	0.08629	2.74517	5980.151
0.30237	0.08693	2.7485	5988.049
0.30253	0.08766	2.75428	5998.339
0.30271	0.08864	2.75888	6009.845
0.3029	0.08956	2.76339	6021.245
0.30309	0.09053	2.7674	6032.453
0.30328	0.0914	2.77149	6043.417
0.30347	0.09223	2.7759	6053.602
0.30359	0.0927	2.77888	6059.501
0.30372	0.09317	2.78233	6065.951
0.30389	0.09373	2.78707	6074.499
0.30409	0.09431	2.79276	6085.568
0.3043	0.09502	2.79774	6097.363
0.30447	0.09554	2.80119	6105.95
0.30459	0.09597	2.80443	6112.061
0.30468	0.09637	2.80725	6116.732
0.30476	0.09675	2.80947	6120.266
0.30483	0.09722	2.81019	6122.376
0.3049	0.09759	2.81104	6123.398
0.30497	0.09796	2.81307	6123.958
0.30504	0.09833	2.81644	6124.733
0.30512	0.09876	2.82182	6126.91
0.30523	0.09934	2.82804	6131.692
0.30536	0.09991	2.83346	6138.521

10:30:33.351	-9	0.00012	0.00058	0.00412	7.119	0.000688
10:30:34.351	-9	0.00013	0.00051	0.00348	7.272	0.000703
10:30:35.351	-9	0.00013	0.00056	0.00344	7.648	0.000739
10:30:36.351	-9	0.00014	0.00056	0.00505	8.962	0.000866
10:30:37.351	-9	0.00016	0.00063	0.00419	10.292	0.000993
10:30:38.351	-9	0.00018	0.00074	0.00396	11.603	0.00112
10:30:39.351	-9	0.00017	0.00059	0.00365	9.997	0.000965
10:30:40.351	-9	0.00015	0.00061	0.0041	9.172	0.000886
10:30:41.351	-9	0.00017	0.0006	0.00502	10.902	0.001052
10:30:42.351	-9	0.00018	0.00073	0.00385	11.888	0.001147
10:30:43.351	-9	0.00018	0.0007	0.00448	11.652	0.001125
10:30:44.351	-9	0.00015	0.00061	0.00412	9.181	0.000887
10:30:45.351	-9	0.00015	0.00065	0.00433	9.353	0.000903
10:30:46.351	-9	0.00017	0.00064	0.00434	10.925	0.001055
10:30:47.351	-9	0.00015	0.00062	0.00315	9.013	0.00087
10:30:48.351	-9	0.00012	0.00046	0.00291	6.784	0.000656
10:30:49.351	-9	0.00011	0.00051	0.00285	6.513	0.000629
10:30:50.351	-9	0.00013	0.00056	0.00329	7.915	0.000765
10:30:51.351	-9	0.00014	0.00058	0.00287	8.462	0.000817
10:30:52.351	-9	0.00014	0.00055	0.00258	7.875	0.000761
10:30:53.351	-9	0.00013	0.00053	0.00301	7.39	0.000714
10:30:54.351	-9	0.00013	0.00074	0.00285	6.989	0.000675
10:30:55.351	-9	0.00013	0.00071	0.00284	7.001	0.000676
10:30:56.351	-9	0.00011	0.00068	0.00271	6.695	0.000647
10:30:57.351	-9	0.00012	0.00054	0.00274	6.853	0.000662
10:30:58.351	-9	0.00014	0.00042	0.00304	8.816	0.000851
10:30:59.351	-9	0.00013	0.00022	0.00243	8.635	0.000833
10:31:00.351	-9	0.00012	0.00017	0.00275	8.182	0.00079
10:31:01.351	-9	0.00011	0.00019	0.00327	8.677	0.000838
10:31:02.351	-9	0.00012	0.0001	0.00279	9.02	0.00087
10:31:03.351	-9	0.00012	0.00017	0.00254	8.334	0.000804
10:31:04.351	-9	0.00012	0.00012	0.00323	8.095	0.000782
10:31:05.351	-9	0.00013	0.00011	0.00464	9.922	0.000958
10:31:06.351	-9	0.00013	0.00019	0.00388	10.278	0.000992
10:31:07.351	-9	0.00013	0.00012	0.00388	10.006	0.000966
10:31:08.351	-9	0.00012	0.00019	0.00316	8.751	0.000845
10:31:09.351	-9	0.00011	0.00006	0.00308	8.392	0.00081
10:31:10.351	-9	0.00012	0.00017	0.00323	8.706	0.00084
10:31:11.351	-9	0.00012	0.00013	0.00284	8.252	0.000797
10:31:12.351	-9	0.00011	0.00015	0.0029	7.185	0.000694
10:31:13.351	-9	0.0001	0.00017	0.00318	6.953	0.000672
10:31:14.351	-9	0.0001	0.00011	0.00311	6.746	0.000651
10:31:15.351	-9	0.00009	0.00013	0.0028	6.464	0.000624
10:31:16.351	-9	0.00008	0.00008	0.00235	5.812	0.000561
10:31:17.351	-9	0.00008	0.00016	0.00227	5.43	0.000524
10:31:18.351	-9	0.00007	0.00014	0.00234	5.013	0.000484
10:31:19.351	-9	0.00006	0.00018	0.00194	4.411	0.000426

71.1	1.50E+00	0.300	1.600	0.237	1.263	23.500
70.9	1.60E+00	0.400	1.600	0.315	1.260	20.700
70.9	1.60E+00	0.400	1.600	0.314	1.256	22.500
70.8	1.60E+00	0.400	1.600	0.312	1.249	20.400
70.8	1.60E+00	0.400	1.600	0.311	1.244	21.000
70.9	1.60E+00	0.500	1.600	0.389	1.244	21.600
70.5	1.60E+00	0.500	1.600	0.390	1.249	19.300
70.5	1.60E+00	0.500	1.500	0.392	1.175	21.000
70.5	1.60E+00	0.500	1.500	0.389	1.167	18.800
70.7	1.60E+00	0.500	1.500	0.389	1.166	20.800
70.7	1.60E+00	0.500	1.500	0.390	1.171	19.800
70.8	1.60E+00	0.500	1.500	0.392	1.175	21.100
70.8	1.60E+00	0.500	1.500	0.391	1.174	22.100
71	1.60E+00	0.500	1.500	0.389	1.167	20.000
70.9	1.60E+00	0.600	1.500	0.469	1.172	22.400
70.9	1.70E+00	0.600	1.500	0.472	1.180	20.600
70.9	1.60E+00	0.500	1.500	0.394	1.182	23.500
70.9	1.60E+00	0.500	1.500	0.392	1.177	21.900
70.9	1.60E+00	0.600	1.500	0.468	1.172	22.400
70.1	1.70E+00	0.700	1.500	0.548	1.175	22.100
70.1	1.70E+00	0.700	1.500	0.548	1.175	23.000
69.9	1.70E+00	0.700	1.500	0.548	1.175	33.900
69.3	1.70E+00	0.700	1.500	0.548	1.175	32.400
69.3	1.60E+00	0.700	1.400	0.548	1.096	32.200
69.3	1.60E+00	0.700	1.400	0.547	1.095	25.400
68.7	1.60E+00	0.700	1.400	0.544	1.089	16.400
68.7	1.50E+00	0.500	1.400	0.393	1.091	8.600
68.4	1.40E+00	0.400	1.400	0.312	1.093	7.000
68.4	1.30E+00	0.300	1.400	0.234	1.092	7.500
68.1	1.40E+00	0.400	1.400	0.310	1.090	3.600
68.1	1.40E+00	0.400	1.400	0.312	1.092	6.700
68.1	1.40E+00	0.400	1.400	0.313	1.095	4.600
68.1	1.30E+00	0.300	1.400	0.233	1.089	3.900
67.7	1.30E+00	0.400	1.300	0.310	1.012	6.200
67.7	1.30E+00	0.400	1.300	0.312	1.014	4.000
67.7	1.30E+00	0.400	1.300	0.313	1.016	7.000
67.9	1.30E+00	0.400	1.300	0.313	1.016	2.300
67.9	1.30E+00	0.400	1.300	0.312	1.014	6.500
67.9	1.40E+00	0.500	1.300	0.390	1.015	5.000
67.9	1.40E+00	0.500	1.300	0.392	1.018	6.500
67.9	1.40E+00	0.500	1.300	0.392	1.019	7.600
67.7	1.40E+00	0.500	1.300	0.391	1.018	5.500
67.2	1.40E+00	0.500	1.300	0.391	1.017	6.700
67.2	1.40E+00	0.500	1.300	0.391	1.017	4.500
67.2	1.40E+00	0.500	1.300	0.392	1.019	9.300
66.6	1.30E+00	0.500	1.200	0.392	0.941	8.600
66.6	1.30E+00	0.500	1.200	0.393	0.944	12.100

197.7	48.50234	1841	68.31	82.2	414.413	414.68165
	49.24607	1841	68.31	85.4	418.154906	429.371471
	50.34834	1839	68.31	88.7	421.498776	441.186486
	57.41832	1837	68.31	93	425.043067	455.822062
	65.10339	1840	68.31	95.5	431.2075	471.764095
	72.34925	1843	68.31	90.2	434.2341	484.512561
197.6	54.37403	1837	68.31	94.5	434.737938	488.375644
197.6	60.42125	1836	68.31	93.8	432.611364	483.723631
197.6	68.61333	1837	68.31	87.5	444.434833	491.797301
197.6	75.32168	1841	68.31	87	453.815804	499.626442
197.6	74.17254	1847	68.633	87.4	458.2468	501.767091
	55.8025	1845	68.629	87.1	455.243424	498.842002
	60.6649	1844	68.596	94	450.158589	497.562637
	69.645	1844	68.31	85.6	453.220126	503.357632
	68.21318	1843	68.31	77.1	456.782618	502.160544
	43.3712	1843	68.31	81.4	448.792121	492.229077
199.4	41.8444	1831	68.044	83.4	441.947239	483.190769
199.4	52.88692	1822	67.69	91.3	435.835192	485.074864
199.4	55.2685	1820	67.69	83.2	425.756	489.645006
199.4	48.84736	1814	67.69	84.6	413.733176	488.653913
199.4	46.66449	1807	67.07	87.1	408.111191	487.547771
199.4	45.54424	1800	67.07	86.4	408.06334	485.128094
199.4	45.22221	1793	66.45	85.8	404.816584	484.6
199.4	45.19029	1787	66.45	82	420.252766	483.326522
199.4	40.31577	1782	65.83	93.8	432.175198	480.265495
199.4	55.95452	1778	66.227	89.1	433.663849	485.657002
199.4	55.29321	1776	65.83	80.9	435.603367	489.752722
199.4	50.10104	1773	65.83	85.9	430.356275	486.853954
199.4	54.80024	1770	65.83	90	430.830325	489.391667
199.4	56.56243	1769	65.83	86.2	440.546399	493.4
199.4	52.73847	1768	65.83	74.8	436.890093	491.260152
199.4	50.98194	1761	65.377	84.7	436.828177	489.770029
199.4	61.49496	1762	65.2	88.5	439.341633	494.905269
199.4	62.85693	1762	65.664	86	441.244904	500.042689
199.4	62.44079	1766	65.83	86.6	444.308453	500.332853
199.4	55.94509	1765	65.83	87.4	446.508286	497.747129
199.4	53.86	1765	65.83	86.1	446.079808	496.2
199.4	54.51556	1762	65.83	87.8	428.623438	496.2
199.4	53.86056	1764	65.2	84.3	428.984925	494.501865
	44.92284	1757	65.2	84.9	422.94707	488.306243
	45.67693	1751	65.2	86.2	423.559623	484.909403
	43.02763	1747	65.16	85.5	424.463863	484.091977
	43.31782	1738	64.58	85.4	424.966327	483.231149
	37.01971	1731	64.53	82.5	425.011765	478.994246
199.4	35.07107	1723	63.96	83	423.474952	474.5055
199.4	32.82618	1713	63.34	76.6	423.03237	468.779245
199.4	29.47765	1700	63.322	57.4	419.556643	456.597826

0.30548	0.10049	2.83758	6145.64
0.30561	0.101	2.84106	6152.912
0.30574	0.10156	2.8445	6160.56
0.30588	0.10212	2.84955	6169.522
0.30604	0.10275	2.85374	6179.814
0.30622	0.10349	2.8577	6191.417
0.30639	0.10408	2.86135	6201.414
0.30654	0.10469	2.86545	6210.586
0.30671	0.10529	2.87047	6221.488
0.30689	0.10602	2.87432	6233.376
0.30707	0.10672	2.8788	6245.028
0.30722	0.10733	2.88292	6254.209
0.30737	0.10798	2.88725	6263.562
0.30754	0.10862	2.89159	6274.487
0.30769	0.10924	2.89474	6283.5
0.30781	0.1097	2.89765	6290.284
0.30792	0.11021	2.9005	6296.797
0.30805	0.11077	2.90379	6304.712
0.30819	0.11135	2.90666	6313.174
0.30833	0.1119	2.90924	6321.049
0.30846	0.11243	2.91225	6328.439
0.30859	0.11317	2.9151	6335.428
0.30872	0.11388	2.91794	6342.429
0.30883	0.11456	2.92065	6349.124
0.30895	0.1151	2.92339	6355.977
0.30909	0.11552	2.92643	6364.793
0.30922	0.11574	2.92886	6373.428
0.30934	0.11591	2.93161	6381.61
0.30945	0.1161	2.93488	6390.287
0.30957	0.1162	2.93767	6399.307
0.30969	0.11637	2.94021	6407.641
0.30981	0.11649	2.94344	6415.736
0.30994	0.1166	2.94808	6425.658
0.31007	0.11679	2.95196	6435.936
0.3102	0.11691	2.95584	6445.942
0.31032	0.1171	2.959	6454.693
0.31043	0.11716	2.96208	6463.085
0.31055	0.11733	2.96531	6471.791
0.31067	0.11746	2.96815	6480.043
0.31078	0.11761	2.97105	6487.228
0.31088	0.11778	2.97423	6494.181
0.31098	0.11789	2.97734	6500.927
0.31107	0.11802	2.98014	6507.391
0.31115	0.1181	2.98249	6513.203
0.31123	0.11826	2.98476	6518.633
0.3113	0.1184	2.9871	6523.646
0.31136	0.11858	2.98904	6528.057

10:31:20.351	-9	0.00006	0.00024	0.00152	4.041	0.000391
10:31:21.351	-9	0.00006	0.0003	0.00173	4.109	0.000397
10:31:22.351	-9	0.00007	0.00037	0.00221	4.476	0.000433
10:31:23.351	-9	0.00008	0.00031	0.00221	4.788	0.000463
10:31:24.351	-9	0.00007	0.00028	0.00196	4.423	0.000427
10:31:25.351	-9	0.00006	0.00021	0.0014	3.467	0.000335
10:31:26.351	-9	0.00005	0.0002	0.00133	2.554	0.000247
10:31:27.351	-9	0.0001	0.00042	0.00156	3.567	0.000345
10:31:28.351	-9	0.00012	0.0003	0.00065	1.742	0.000169
10:31:29.351	-9	0.00007	0.00023	0.00146	0.557	0.000054
10:31:30.351	-9	0.00004	0.00012	0.0014	0.276	0.000027
10:31:31.351	-9	0.00005	0.00021	0.00376	1.266	0.000123
10:31:32.351	-9	0.00009	0.00048	0.00991	5.832	0.000566
10:31:33.351	-9	0.00012	0.00062	0.00904	10.441	0.001009
10:31:34.351	-9	0.00014	0.00067	0.00532	11.515	0.001112
10:31:35.351	-9	0.00012	0.00048	0.00387	9.334	0.000902
10:31:36.351	-9	0.00012	0.00046	0.00412	9.042	0.000873
10:31:37.351	-9	0.00014	0.00042	0.00483	11.087	0.00107
10:31:38.351	-9	0.00014	0.00073	0.00429	11.879	0.001147
10:31:39.351	-9	0.00011	0.00055	0.0037	9.432	0.000911
10:31:40.351	-9	0.00011	0.0006	0.0041	9.893	0.000955
10:31:41.351	-9	0.00012	0.00062	0.00384	10.382	0.001002
10:31:42.351	-9	0.00014	0.00065	0.00439	12.107	0.001168
10:31:43.351	-9	0.00015	0.00075	0.00482	13.217	0.001275
10:31:44.351	-9	0.00016	0.00058	0.00556	13.627	0.001315
10:31:45.351	-9	0.00017	0.00069	0.00624	13.494	0.001303
10:31:46.351	-9	0.00017	0.00059	0.00672	13.494	0.001303
10:31:47.351	-9	0.00015	0.0005	0.00607	11.793	0.001139
10:31:48.351	-9	0.00015	0.0006	0.00693	12.456	0.001203
10:31:49.351	-9	0.00015	0.00042	0.00523	11.066	0.001069
10:31:50.351	-9	0.00014	0.00059	0.00724	9.221	0.000892
10:31:51.351	-9	0.00017	0.0007	0.0092	12.524	0.001211
10:31:52.351	-9	0.00018	0.00092	0.00768	14.352	0.001386
10:31:53.351	-9	0.00018	0.00082	0.00658	14.54	0.001404
10:31:54.351	-9	0.00018	0.00084	0.00647	14.087	0.001361
10:31:55.351	-9	0.00015	0.00069	0.00558	10.846	0.001048
10:31:56.351	-9	0.00014	0.00052	0.00523	9.914	0.000958
10:31:57.351	-9	0.00013	0.00054	0.00474	9.035	0.000873
10:31:58.351	-9	0.00014	0.0005	0.00473	9.823	0.000949
10:31:59.351	-9	0.00011	0.00048	0.0028	5.732	0.000555
10:32:00.351	-9	0.00009	0.00032	0.00283	3.701	0.000358
10:32:01.351	-9	0.00008	0.00033	0.00181	2.341	0.000227
10:32:02.351	-9	0.00011	0.00049	0.00175	1.729	0.000168
10:32:03.351	-9	0.00011	0.00041	0.00187	0.765	0.000074
10:32:04.351	-9	0.0001	0.00039	0.00258	0.388	0.000038
10:32:05.351	-9	0.00009	0.00031	0.0032	0.285	0.000028
10:32:06.351	-9	0.00008	0.0006	0.00298	0.236	0.000026

65.9	1.30E+00	0.500	1.200	0.396	0.950	16.900
65.9	1.30E+00	0.400	1.200	0.321	0.955	19.500
65	1.30E+00	0.400	1.200	0.318	0.955	21.800
64.2	1.30E+00	0.400	1.300	0.317	1.029	18.400
64.2	1.30E+00	0.400	1.300	0.317	1.026	18.500
64.2	1.40E+00	0.500	1.300	0.394	1.028	17.000
63.6	1.40E+00	0.400	1.300	0.322	1.042	18.600
63.2	1.30E+00	0.400	1.200	0.328	0.985	18.800
63.1	1.40E+00	0.400	1.200	0.338	1.013	11.500
60.3	1.20E+00	0.300	1.100	0.256	0.939	14.000
60.3	9.00E-01	0.000	1.100	0.001	0.940	10.200
60.2	9.00E-01	0.000	1.100	0.000	0.924	14.000
58.3	1.00E+00	0.100	1.100	0.080	0.892	16.500
57.8	1.10E+00	0.100	1.300	0.078	1.017	18.700
57.8	1.20E+00	0.200	1.400	0.156	1.091	19.300
57.8	1.30E+00	0.200	1.400	0.157	1.096	16.500
58.9	1.30E+00	0.200	1.400	0.156	1.094	16.600
58.9	1.20E+00	0.200	1.400	0.156	1.090	12.800
60	1.20E+00	0.200	1.400	0.156	1.089	21.100
60.1	1.20E+00	0.200	1.300	0.156	1.015	19.000
61.1	1.20E+00	0.200	1.300	0.156	1.011	20.600
61.6	1.20E+00	0.200	1.300	0.156	1.009	20.700
61.6	1.20E+00	0.300	1.300	0.232	1.007	18.900
61.3	1.20E+00	0.300	1.300	0.233	1.007	19.900
61.3	1.20E+00	0.300	1.300	0.233	1.010	14.500
61.9	1.20E+00	0.300	1.300	0.234	1.012	17.300
61.9	1.20E+00	0.300	1.300	0.234	1.013	14.500
61.9	1.20E+00	0.300	1.300	0.234	1.015	13.900
62.8	1.20E+00	0.300	1.200	0.234	0.937	15.800
62.8	1.20E+00	0.300	1.200	0.236	0.946	11.300
63.9	1.30E+00	0.400	1.200	0.317	0.952	17.400
64.1	1.30E+00	0.400	1.200	0.314	0.943	17.100
64.1	1.30E+00	0.400	1.200	0.313	0.938	20.700
64.1	1.30E+00	0.400	1.200	0.313	0.938	18.500
65.1	1.30E+00	0.400	1.200	0.313	0.939	19.100
65.1	1.30E+00	0.500	1.200	0.392	0.940	20.200
66.6	1.30E+00	0.500	1.200	0.392	0.941	16.600
67.6	1.30E+00	0.500	1.200	0.392	0.940	18.900
67.6	1.30E+00	0.500	1.200	0.392	0.942	16.000
67.6	1.40E+00	0.500	1.200	0.401	0.962	20.300
67.7	1.40E+00	0.500	1.200	0.406	0.975	17.300
67.7	1.40E+00	0.500	1.200	0.413	0.992	19.800
66.5	1.30E+00	0.500	1.100	0.421	0.927	20.400
61	1.40E+00	0.500	1.100	0.426	0.938	17.600
60.7	1.40E+00	0.500	1.100	0.428	0.942	18.100
52.2	1.40E+00	0.500	1.100	0.428	0.942	15.600
52.2	1.40E+00	0.500	1.100	0.428	0.942	32.500

199.4	30.48322	1687	62.72	71.8	413.46558	443.08053
199.4	32.29545	1677	62.1	68.7	409.771719	434.314532
199.3	38.03004	1669	62.1	69.4	406.352591	427.764835
198.9	35.43915	1663	62.1	77.5	409.0998	430.969925
198.5	30.25875	1659	61.48	64.8	408.624066	432.684262
198.2	28.01256	1641	60.86	31.1	408.307	419.917364
197.8	20.35089	1619	60.24	5.2	406.429735	397.108147
197.4	48.40951	1593	59.235	0	406.796341	376.56566
197.1	57.00156	1565	57.926	0	402.51858	346.013057
196.7	56.89144	1536	57.13	7.2	402.685972	319.481226
196.3	14.48682	1515	56.092	28.3	401.659184	300.92366
196	31.51842	1508	55.89	67.7	393.605405	307.893269
196	55.75137	1505	55.89	92.4	400.177953	347.220192
196.4	71.75898	1519	56.5	83.1	405.919554	402.743392
196.8	68.99673	1541	57.13	90.6	416.030769	433.872983
197.2	64.67053	1553	57.75	76	424.313611	451.749121
197.6	56.51459	1559	57.75	95.6	426.275	457.959549
198	68.38968	1574	58.37	91	430.103071	470.222523
198.3	72.081	1586	58.815	86.6	436.45375	482.1511
198.7	58.17663	1591	58.99	92.4	436.817829	485.5
199.1	59.71098	1597	58.99	95.9	420.878947	488.338762
	62.74191	1597	58.99	91.3	422.832331	493.429412
	67.48405	1599	59.027	97.8	423.658491	499.232607
	77.38488	1613	59.62	89.7	423.9	506.784546
	81.98254	1620	60.24	88.5	423.821283	512.921085
	83.74826	1636	60.294	87.8	422.751402	516.380078
199.5	83.8007	1650	60.889	89.2	424.66907	519.06624
199.9	75.58689	1658	61.48	81.5	419.521868	518.306848
200.3	77.94733	1670	61.719	90	400.605192	519.427935
200.7	72.9609	1665	62.1	69.1	404.87045	520.1
201.1	71.05372	1670	62.1	66.6	414.07455	486.075976
201.2	90.94726	1689	62.72	85.8	441.379135	501.788654
201.2	92.2551	1708	63.152	89.3	435.29711	513.865934
201.2	93.14677	1725	63.96	90.8	419.113456	521.112694
201.2	93.14045	1746	64.58	84.3	402.419455	525.71885
201.2	72.37266	1754	65.2	72.4	405.341806	521.199512
201.2	67.43985	1759	65.2	81.6	408.028897	520.55821
201.2	59.80231	1761	65.2	89	400.691913	517.546137
201.2	64.5098	1757	65.2	63	405.401443	516.591957
201.2	51.70939	1748	65.173	43.7	408.534827	479.754466
201.2	33.6363	1729	64.58	26.5	401.184623	455.989458
201.2	34.46516	1665	61.667	0.4	391.582081	412.609735
201.2	54.44862	1562	57.702	0	385.804872	380.308967
201.2	52.78775	1441	53.552	0	375.673181	348.297451
201.2	47.8232	1337	49.807	0	363.048101	323.622605
200.9	41.87808	1252	46.663	0	349.759601	305.687377
200.5	39.58397	1193	44.395	0	343.508758	291.232941

0.31142	0.11882	2.99056	6532.098
0.31148	0.11912	2.99229	6536.207
0.31155	0.11949	2.9945	6540.683
0.31163	0.1198	2.99671	6545.471
0.3117	0.12008	2.99867	6549.894
0.31176	0.12029	3.00007	6553.361
0.31181	0.12049	3.0014	6555.915
0.31191	0.12091	3.00296	6559.482
0.31203	0.12121	3.00361	6561.224
0.3121	0.12144	3.00507	6561.781
0.31214	0.12156	3.00647	6562.057
0.31219	0.12177	3.01023	6563.323
0.31228	0.12225	3.02014	6569.155
0.3124	0.12287	3.02918	6579.596
0.31254	0.12354	3.0345	6591.111
0.31266	0.12402	3.03837	6600.445
0.31278	0.12448	3.04249	6609.487
0.31292	0.1249	3.04732	6620.574
0.31306	0.12563	3.05161	6632.453
0.31317	0.12618	3.05531	6641.885
0.31328	0.12678	3.05941	6651.778
0.3134	0.1274	3.06325	6662.16
0.31354	0.12805	3.06764	6674.267
0.31369	0.1288	3.07246	6687.484
0.31385	0.12938	3.07802	6701.111
0.31402	0.13007	3.08426	6714.605
0.31419	0.13066	3.09098	6728.099
0.31434	0.13116	3.09705	6739.892
0.31449	0.13176	3.10398	6752.348
0.31464	0.13218	3.10921	6763.414
0.31478	0.13277	3.11645	6772.635
0.31495	0.13347	3.12565	6785.159
0.31513	0.13439	3.13333	6799.511
0.31531	0.13521	3.13991	6814.051
0.31549	0.13605	3.14638	6828.138
0.31564	0.13674	3.15196	6838.984
0.31578	0.13726	3.15719	6848.898
0.31591	0.1378	3.16193	6857.933
0.31605	0.1383	3.16666	6867.756
0.31616	0.13878	3.16946	6873.488
0.31625	0.1391	3.17229	6877.189
0.31633	0.13943	3.1741	6879.53
0.31644	0.13992	3.17585	6881.259
0.31655	0.14033	3.17772	6882.024
0.31665	0.14072	3.1803	6882.412
0.31674	0.14103	3.1835	6882.697
0.31682	0.14163	3.18648	6882.933

10:32:07.351	-9	0.00008	0.00051	0.00281	0.2	0.000025
10:32:08.351	-9	0.00004	0.00023	0.00126	0.08	0.000011
10:32:09.351	-9	0.00003	0.00018	0.00096	0.06	0.000009
10:32:10.351	-9	0.00002	0.00016	0.00088	0.06	0.000008
10:32:11.351	-9	0.00002	0.00016	0.00082	0.063	0.000007
10:32:12.351	-9	0.00002	0.00013	0.00077	0.06	0.000007
10:32:13.351	-9	0.00002	0.00014	0.00073	0.057	0.000006
10:32:14.351	-9	0.00002	0.00013	0.00075	0.059	0.000007
10:32:15.351	-9	0.00002	0.00013	0.00072	0.056	0.000006
10:32:16.351	-9	0.00002	0.00012	0.00071	0.05	0.000006
10:32:17.351	-9	0.00002	0.00011	0.00072	0.051	0.000006
10:32:18.351	-9	0.00002	0.00009	0.00069	0.049	0.000006
10:32:19.351	-9	0.00002	0.00005	0.00071	0.05	0.000006
10:32:20.351	-9	0.00002	0.00005	0.00073	0.052	0.000006
10:32:21.351	-9	0.00002	0.00004	0.00075	0.053	0.000007
10:32:22.351	-9	0.00003	0.00006	0.00111	0.078	0.00001
10:32:23.351	-9	0.00003	0.00006	0.00097	0.069	0.000009
10:32:24.351	-9	0.00004	0.00006	0.00143	0.14	0.000014
10:32:25.351	-9	0.00005	0.00012	0.00233	0.357	0.000035
10:32:26.351	-9	0.00005	0.00007	0.00287	0.752	0.000073
10:32:27.351	-9	0.00004	0.0001	0.00245	1.258	0.000122
10:32:28.351	-9	0.00004	0.00005	0.00135	1.081	0.000105
10:32:29.351	-9	0.00004	0.00006	0.00107	1.014	0.000098
10:32:30.351	-9	0.00003	0.00006	0.00128	0.879	0.000085
10:32:31.351	-9	0.00003	0.00001	0.00127	0.709	0.000069
10:32:32.351	-9	0.00003	0.00003	0.00138	0.572	0.000056
10:32:33.351	-9	0.00003	0	0.00147	0.5	0.000049
10:32:34.351	-9	0.00003	0.00001	0.00146	0.498	0.000048
10:32:35.351	-9	0.00003	0	0.00147	0.553	0.000054
10:32:36.351	-9	0.00003	0	0.00131	0.594	0.000058
10:32:37.351	-9	0.00003	0	0.0012	0.678	0.000066
10:32:38.351	-9	0.00003	0	0.00128	0.762	0.000074
10:32:39.351	-9	0.00003	0.00001	0.00127	0.798	0.000077
10:32:40.351	-9	0.00004	0	0.00139	0.906	0.000088
10:32:41.351	-9	0.00005	0.00001	0.00207	1.28	0.000124
10:32:42.351	-9	0.00005	0	0.00308	1.898	0.000184
10:32:43.351	-9	0.00005	0.00005	0.00264	2.091	0.000203
10:32:44.351	-9	0.00004	0.00007	0.00177	1.87	0.000181
10:32:45.351	-9	0.00004	0.00003	0.00113	1.533	0.000148
10:32:46.351	-9	0.00003	0.00005	0.00086	1.068	0.000103
10:32:47.351	-9	0.00003	0.00002	0.00105	0.806	0.000078
10:32:48.351	-9	0.00003	0.00004	0.00117	0.719	0.00007
10:32:49.351	-9	0.00003	0.00001	0.00139	0.715	0.000069
10:32:50.351	-9	0.00003	0.00002	0.0014	0.734	0.000071
10:32:51.351	-9	0.00003	0.00002	0.00136	0.791	0.000077
10:32:52.351	-9	0.00003	0	0.00128	0.844	0.000082
10:32:53.351	-9	0.00003	0.00001	0.00119	0.877	0.000085

51.9	1.40E+00	0.500	1.100	0.428	0.942	29.400
46.3	1.40E+00	0.500	1.100	0.428	0.942	29.600
46.2	1.40E+00	0.500	1.100	0.428	0.942	29.600
43.1	1.40E+00	0.500	1.100	0.428	0.942	28.900
39.8	1.40E+00	0.500	1.100	0.428	0.942	32.100
39.7	1.30E+00	0.400	1.100	0.344	0.942	28.100
37.7	1.30E+00	0.400	1.100	0.342	0.942	31.000
37.7	1.30E+00	0.400	1.100	0.342	0.942	28.400
37.5	1.30E+00	0.400	1.100	0.342	0.942	29.200
32.9	1.30E+00	0.400	1.100	0.342	0.942	28.400
28.7	1.30E+00	0.400	1.100	0.342	0.942	24.600
28.7	1.30E+00	0.400	1.100	0.342	0.942	21.000
28.4	1.20E+00	0.300	1.100	0.257	0.942	11.000
22.1	1.20E+00	0.300	1.100	0.257	0.942	10.400
21.9	1.20E+00	0.300	1.100	0.257	0.942	8.000
16.7	1.30E+00	0.400	1.100	0.340	0.942	8.700
14.3	1.30E+00	0.400	1.100	0.342	0.942	9.200
14.2	1.30E+00	0.400	1.100	0.343	0.943	6.700
11.6	1.40E+00	0.400	1.200	0.341	1.023	10.900
11.6	1.30E+00	0.400	1.200	0.337	1.012	6.500
11.6	1.30E+00	0.400	1.200	0.332	0.996	10.500
11.6	1.40E+00	0.400	1.300	0.331	1.074	6.900
11.4	1.40E+00	0.400	1.300	0.331	1.077	8.500
11.4	1.40E+00	0.400	1.300	0.333	1.081	7.900
11.3	1.40E+00	0.400	1.300	0.335	1.088	1.900
9.9	1.40E+00	0.400	1.300	0.337	1.094	3.500
8.5	1.40E+00	0.300	1.300	0.253	1.098	-0.200
8.5	1.40E+00	0.300	1.300	0.253	1.098	1.500
8.5	1.30E+00	0.300	1.300	0.253	1.096	-0.900
7.7	1.30E+00	0.300	1.300	0.252	1.094	0.200
7.7	1.30E+00	0.300	1.300	0.252	1.090	0.300
7.2	1.30E+00	0.300	1.200	0.251	1.004	-1.400
7.2	1.30E+00	0.300	1.200	0.251	1.003	1.000
7	1.30E+00	0.300	1.200	0.251	1.003	-0.800
6.8	1.30E+00	0.300	1.200	0.250	1.000	0.700
6.6	1.20E+00	0.300	1.200	0.248	0.992	0.000
6.6	1.20E+00	0.300	1.200	0.246	0.984	4.300
7.5	1.20E+00	0.300	1.200	0.245	0.980	6.600
7.5	1.20E+00	0.300	1.200	0.246	0.983	3.900
8.5	1.30E+00	0.300	1.300	0.249	1.077	6.000
8.5	1.30E+00	0.300	1.300	0.251	1.086	2.400
7.7	1.30E+00	0.300	1.300	0.251	1.089	5.500
7.7	1.30E+00	0.300	1.300	0.251	1.089	1.600
7.2	1.30E+00	0.300	1.200	0.251	1.003	3.300
7.2	1.30E+00	0.300	1.200	0.250	1.002	2.800
6.9	1.30E+00	0.300	1.200	0.250	1.001	0.000
6.9	1.20E+00	0.300	1.200	0.250	1.000	1.500

200.1	37.68393	1162	43.142	0	338.343021	280.235245
199.7	32.81019	1106	41.177	0	343.249421	272.611765
199.4	10.44064	1290	39.74	0	352.27553	269.808179
199	11.12514	1243	38.5	0	349.862019	270.48664
198.6	10.71902	1208	37.316	0	349.469187	271.502944
198.3	10.35857	1174	36.054	0	349.609688	272.1
197.9	9.82881	1105	34.019	0	360.686154	271.729857
197.5	10.18106	1233	31.56	0	358.873774	271.057573
197.2	9.84983	1143	29.184	0.1	359.833628	270.8
196.8	9.37558	1092	27.114	0.9	371.110886	269.848087
196.4	9.92154	1149	24.24	1.3	383.980816	268.218891
196	9.36	1113	20.43	4.7	381.436673	266.888813
195.8	9.26438	1112	17.367	3.7	379.106321	265.520178
195.8	9.96311	1169	15.858	0	377.204442	264.227085
195.8	9.274	1080	14.554	4.5	379.541962	262.014929
195.8	15.8244	971	13.238	7.8	375.63834	259.950254
195.8	8.3814	1013	11.933	5.1	362.935891	256.531765
195.6	21.34275	1059	10.568	21.6	356.92	255.146608
195.2	25.69612	1394	10.56	39.5	352.48	257.697397
194.8	22.56065	1325	11.18	45.9	351.774898	267.506035
194.5	19.85383	1262	11.18	36.6	350.003593	268.447596
194.1	15.05686	1152	10.56	18.5	350.533333	266.1832
	18.65054	956	9.94	9.2	349.371667	262.279664
	15.25116	859	9.239	13.6	348.236503	255.921407
	14.87539	813	8.621	20.1	349.75723	251.941104
	15.37382	821	7.983	22.5	345.6684	249.407031
	15.70304	815	7.45	23.7	347.803112	248.13622
194	15.82351	806	6.83	28.3	349.903132	247
194	15.89732	850	6.83	34.6	329.838049	247.279362
194	15.52	850	6.83	30.4	316.995652	248.3
194	15.53115	824	6.247	32.1	343.466411	248.673993
194	15.73433	822	6.21	31.7	343.596923	249
194	15.79086	825	6.21	31.9	341.860491	249
194	17.31087	1022	6.21	54	340.545489	250.436364
194	22.82408	1397	6.21	59.9	350.563947	255.134342
194	27.73113	1538	7.051	50.7	370.746348	262.2975
193.9	25.45856	1539	7.638	43	367.793923	266.467021
193.5	19.00909	886	8.07	23.7	366.689036	262.334387
193.2	16.7125	829	7.45	22.2	372.650952	256.125274
192.8	16.189	816	7.151	26.3	375.7136	250.03764
192.4	15.9276	812	6.83	30.7	372.681369	248.428712
192.2	15.90814	825	6.83	31	377.085318	247.674615
192.2	15.73013	823	6.349	31.3	360.182677	246.407921
192.2	14.74	827	6.21	33.1	337.260123	246.281837
192.2	15.04476	829	6.21	33.5	332.930435	245.653824
192.2	15.80868	831	6.21	31.9	323.760132	245.1
192.2	15.85666	828	6.21	31	325.853935	244.843879

0.3169	0.14214	3.18929	6883.133
0.31694	0.14237	3.19055	6883.213
0.31697	0.14255	3.19151	6883.273
0.31699	0.14271	3.19239	6883.333
0.31701	0.14287	3.19321	6883.396
0.31703	0.143	3.19398	6883.456
0.31705	0.14314	3.19471	6883.513
0.31707	0.14327	3.19546	6883.572
0.31709	0.1434	3.19618	6883.628
0.31711	0.14352	3.19689	6883.678
0.31713	0.14363	3.19761	6883.729
0.31715	0.14372	3.1983	6883.778
0.31717	0.14377	3.19901	6883.828
0.31719	0.14382	3.19974	6883.88
0.31721	0.14386	3.20049	6883.933
0.31724	0.14392	3.2016	6884.011
0.31727	0.14398	3.20257	6884.08
0.31731	0.14404	3.204	6884.22
0.31736	0.14416	3.20633	6884.577
0.31741	0.14423	3.2092	6885.329
0.31745	0.14433	3.21165	6886.587
0.31749	0.14438	3.213	6887.668
0.31753	0.14444	3.21407	6888.682
0.31756	0.1445	3.21535	6889.561
0.31759	0.14451	3.21662	6890.27
0.31762	0.14454	3.218	6890.842
0.31765	0.14454	3.21947	6891.342
0.31768	0.14455	3.22093	6891.84
0.31771	0.14455	3.2224	6892.393
0.31774	0.14455	3.22371	6892.987
0.31777	0.14455	3.22491	6893.665
0.3178	0.14455	3.22619	6894.427
0.31783	0.14456	3.22746	6895.225
0.31787	0.14456	3.22885	6896.131
0.31792	0.14457	3.23092	6897.411
0.31797	0.14457	3.234	6899.309
0.31802	0.14462	3.23664	6901.4
0.31806	0.14469	3.23841	6903.27
0.3181	0.14472	3.23954	6904.803
0.31813	0.14477	3.2404	6905.871
0.31816	0.14479	3.24145	6906.677
0.31819	0.14483	3.24262	6907.396
0.31822	0.14484	3.24401	6908.111
0.31825	0.14486	3.24541	6908.845
0.31828	0.14488	3.24677	6909.636
0.31831	0.14488	3.24805	6910.48
0.31834	0.14489	3.24924	6911.357

10:32:54.351	-9	0.00003	0	0.00118	0.878	0.000085
10:32:55.351	-9	0.00003	0.00001	0.00116	0.854	0.000083
10:32:56.351	-9	0.00003	0	0.00127	0.851	0.000083
10:32:57.351	-9	0.00003	0.00001	0.00132	0.852	0.000083
10:32:58.351	-9	0.00004	0.00002	0.00133	0.868	0.000084
10:32:59.351	-9	0.00004	0.00001	0.00132	0.865	0.000084
10:33:00.351	-9	0.00004	0.00003	0.00128	0.836	0.000081
10:33:01.351	-9	0.00003	0	0.00118	0.772	0.000075
10:33:02.351	-9	0.00003	0.00002	0.0012	0.785	0.000076
10:33:03.351	-9	0.00004	0	0.00134	0.829	0.00008
10:33:04.351	-9	0.00004	0.00002	0.00145	0.852	0.000083
10:33:05.351	-9	0.00004	0.00003	0.00155	0.955	0.000093
10:33:06.351	-9	0.00004	0.00001	0.00146	1.032	0.0001
10:33:07.351	-9	0.00005	0.00004	0.00224	1.445	0.00014
10:33:08.351	-9	0.00007	0.00002	0.00334	2.445	0.000237
10:33:09.351	-9	0.00007	0.00009	0.00345	3.316	0.000321
10:33:10.351	-9	0.00005	0.00005	0.00207	2.482	0.00024
10:33:11.351	-9	0.00005	0.00004	0.00165	2.291	0.000222
10:33:12.351	-9	0.00005	0.00004	0.0013	2.056	0.000199
10:33:13.351	-9	0.00005	0.00002	0.00144	1.783	0.000173
10:33:14.351	-9	0.00004	0.00004	0.00122	1.412	0.000137
10:33:15.351	-9	0.00005	0.00003	0.00123	1.594	0.000154
10:33:16.351	-9	0.00006	0.00008	0.00141	1.696	0.000164
10:33:17.351	-9	0.00009	0.00006	0.00289	2.628	0.000255
10:33:18.351	-9	0.00015	0.00009	0.00727	5.944	0.000576
10:33:19.351	-9	0.00013	0.00003	0.00344	5.762	0.000557
10:33:20.351	-9	0.00007	0.00002	0.00156	2.803	0.000271
10:33:21.351	-9	0.00004	0.00003	0.00088	1.329	0.000129
10:33:22.351	-9	0.00004	0.00001	0.00091	0.955	0.000093
10:33:23.351	-9	0.00004	0.00002	0.00126	0.705	0.000068
10:33:24.351	-9	0.00004	0.00001	0.00091	0.578	0.000056
10:33:25.351	-9	0.00004	0.00001	0.00102	0.533	0.000052
10:33:26.351	-9	0.00004	0.00001	0.00114	0.492	0.000048
10:33:27.351	-9	0.00004	0.00001	0.00136	0.468	0.000046
10:33:28.351	-9	0.00004	0.00002	0.00149	0.498	0.000048
10:33:29.351	-9	0.00004	0.00001	0.00133	0.594	0.000058
10:33:30.351	-9	0.00004	0.00002	0.00128	0.727	0.000071
10:33:31.351	-9	0.00004	0.00004	0.00154	0.819	0.00008
10:33:32.351	-9	0.00004	0.00022	0.00152	0.844	0.000082
10:33:33.351	-9	0.00004	0.00023	0.00147	0.857	0.000083
10:33:34.351	-9	0.00004	0.00023	0.0015	0.969	0.000094
10:33:35.351	-9	0.00004	0.00023	0.00136	0.948	0.000092
10:33:36.351	-9	0.00004	0.00021	0.00138	1.019	0.000099
10:33:37.351	-9	0.00005	0.00026	0.00167	1.244	0.000121
10:33:38.351	-9	0.00007	0.00036	0.0026	2.252	0.000218
10:33:39.351	-9	0.00009	0.00052	0.00406	3.679	0.000357
10:33:40.351	-9	0.00006	0.00034	0.00298	3.05	0.000295

6.7	1.20E+00	0.300	1.200	0.250	0.999	-0.400	192.2	15.83338	829	5.59	31.4	336.021212	243.883642
6.3	1.20E+00	0.300	1.200	0.250	1.000	1.200	192.2	15.79074	822	5.59	32.2	343.33219	243.686512
6.3	1.30E+00	0.300	1.300	0.250	1.083	-0.900	192.2	15.93106	830	5.59	32.5	350.899521	243.492165
6.3	1.30E+00	0.300	1.300	0.250	1.084	1.200	192.2	15.90793	831	5.59	32.5	361.371291	242.701112
6.1	1.40E+00	0.400	1.300	0.332	1.083	3.100	192.2	15.71694	828	5.59	32.4	372.120416	242.000108
6.1	1.50E+00	0.500	1.300	0.416	1.083	0.900	192.2	15.77	831	5.286	32.3	367.174761	240.814526
6	1.50E+00	0.500	1.300	0.417	1.083	4.000	192.2	15.16925	830	4.97	32.2	370.78625	240.6
6	1.50E+00	0.500	1.300	0.417	1.083	0.700	192.2	14.11693	778	3.89	32.4	360.879645	239.463705
5.7	1.50E+00	0.500	1.300	0.417	1.084	2.800	192.2	14.19	777	3.27	33.7	360.071458	239.972317
3.9	1.50E+00	0.500	1.300	0.417	1.084	0.400	192.2	15.7596	774	3.11	33.8	359.279167	240
3.9	1.50E+00	0.500	1.300	0.417	1.084	2.400	192.2	15.52933	777	3.11	36.1	360.29441	240.559531
3.7	1.50E+00	0.500	1.300	0.416	1.082	3.200	192.2	16.87811	886	3.596	41	351.456693	241.863361
3.7	1.50E+00	0.500	1.300	0.416	1.081	0.700	192.2	17.135	1019	4.346	45.2	335.90844	245.303362
3.7	1.50E+00	0.500	1.300	0.413	1.075	3.600	192.2	19.90433	1195	5.061	67.8	331.006458	249.266034
4.7	1.50E+00	0.500	1.300	0.409	1.064	1.500	192.2	28.5185	1509	6.389	63.9	333.245417	260.067167
6.9	1.50E+00	0.500	1.300	0.404	1.051	5.700	192.2	34.80027	1678	8.164	55.2	335.665041	270.176687
6.9	1.40E+00	0.500	1.300	0.402	1.046	4.500	192.2	20.40775	1180	9.31	47.9	327.853421	276.802778
7	1.50E+00	0.600	1.300	0.484	1.048	3.600	192.2	19.23653	1251	9.94	55.3	316.643834	273.713889
9.9	1.50E+00	0.600	1.300	0.486	1.053	4.500	192.2	19.31361	1257	9.94	44.2	323.540865	272.783333
9.9	1.60E+00	0.700	1.300	0.569	1.056	2.400	192.2	21.45429	1306	10.56	47.9	329.411753	270.11465
10.7	1.70E+00	0.800	1.300	0.650	1.058	5.400	192.2	9.40563	1074	10.409	31.8	337.956263	265.824796
10.9	1.70E+00	0.800	1.300	0.652	1.060	3.400	192.2	14.81992	942	9.31	16.5	336.920962	256.135
10.9	1.70E+00	0.800	1.300	0.658	1.070	7.400	192.2	19.49796	1245	9.31	57.2	338.878571	253
10.9	1.70E+00	0.800	1.300	0.656	1.066	3.800	192.2	32.07764	1494	10.396	80.6	338.12052	264.613387
9.8	1.70E+00	0.800	1.300	0.645	1.048	3.400	192.2	58.21508	1814	12.514	84	345.061538	289.758
9.9	1.70E+00	0.800	1.300	0.640	1.041	1.300	192.2	52.8087	1867	14.814	58.4	338.28668	317.609783
12.7	1.70E+00	0.800	1.300	0.645	1.049	1.500	192.2	29.85865	1164	15.53	22.7	331.205726	303.685672
12.8	1.70E+00	0.800	1.300	0.655	1.064	3.400	192.2	17.15863	1022	14.904	12.6	324.153289	286.858406
16.2	1.70E+00	0.800	1.300	0.664	1.078	0.900	192.2	15.52	907	14.809	14.9	317.789679	274.668825
16.2	1.70E+00	0.800	1.200	0.669	1.004	2.800	192.2	13.99259	845	12.841	13.5	314.378125	264.706897
15.3	1.70E+00	0.800	1.200	0.672	1.008	1.300	192.2	13.28278	955	10.759	10	303.216699	256.402897
11.7	1.70E+00	0.800	1.200	0.674	1.010	1.700	192.2	14.27524	851	8.889	16.5	299.762839	248.66963
11.6	1.60E+00	0.700	1.200	0.593	1.012	2.100	192.2	14.15379	801	7.239	25.6	296.329687	243.062637
8.1	1.60E+00	0.700	1.200	0.592	1.014	1.800	192.2	14.80162	811	6.21	32.5	294.439062	240.6
8.1	1.60E+00	0.700	1.200	0.591	1.013	3.000	192.2	15.17924	827	5.361	32.9	293.798437	240.423571
8	1.60E+00	0.700	1.200	0.588	1.008	0.800	192.2	14.73167	800	4.598	30.5	285.822791	239.484783
6	1.60E+00	0.700	1.200	0.586	1.004	3.400	192.2	14.5597	775	3.73	32.5	299.996154	238.4378
4.4	1.70E+00	0.800	1.200	0.667	1.002	6.100	192.2	15.50336	782	3.73	31.9	297.483013	237.767131
4.4	1.70E+00	0.800	1.200	0.667	1.001	29.100	192.2	16.54907	942	3.73	35.8	296.39375	238.21962
4.1	1.70E+00	0.800	1.200	0.667	1.001	30.300	192.2	15.42686	788	3.73	30.1	296.939279	238.063599
4.1	1.70E+00	0.800	1.200	0.666	0.998	28.600	192.2	16.54877	920	3.805	39.3	303.279245	237.875244
4.1	1.70E+00	0.800	1.200	0.666	0.998	30.100		16.23491	1008	4.35	34.2	301.155189	238.931543
4.3	1.70E+00	0.800	1.200	0.664	0.996	27.100		16.62023	1062	4.394	44.3	300.606166	240.6001
4.9	1.70E+00	0.800	1.200	0.662	0.993	29.400		17.58059	1157	5.004	49.8	299.521072	242.915733
4.9	1.60E+00	0.800	1.200	0.657	0.985	27.100		25.52094	1405	6.268	69.2	298.939109	250.296
5	1.60E+00	0.800	1.200	0.648	0.972	30.100		39.82152	1795	8.092	66.9	299.905769	267.412613
6.4	1.60E+00	0.800	1.200	0.641	0.961	28.100	192.2	27.351	1541	8.69	33.5	304.468269	271.415385

0.31837	0.14489	3.25042	6912.235
0.3184	0.1449	3.25158	6913.089
0.31843	0.1449	3.25285	6913.94
0.31846	0.14491	3.25417	6914.792
0.3185	0.14493	3.2555	6915.66
0.31854	0.14494	3.25682	6916.525
0.31858	0.14497	3.2581	6917.361
0.31861	0.14497	3.25928	6918.133
0.31864	0.14499	3.26048	6918.918
0.31868	0.14499	3.26182	6919.747
0.31872	0.14501	3.26327	6920.599
0.31876	0.14504	3.26482	6921.554
0.3188	0.14505	3.26628	6922.586
0.31885	0.14509	3.26852	6924.031
0.31892	0.14511	3.27186	6926.476
0.31899	0.1452	3.27531	6929.792
0.31904	0.14525	3.27738	6932.274
0.31909	0.14529	3.27903	6934.565
0.31914	0.14533	3.28033	6936.621
0.31919	0.14535	3.28177	6938.404
0.31923	0.14539	3.28299	6939.816
0.31928	0.14542	3.28422	6941.41
0.31934	0.1455	3.28563	6943.106
0.31943	0.14556	3.28852	6945.734
0.31958	0.14565	3.29579	6951.678
0.31971	0.14568	3.29923	6957.44
0.31978	0.1457	3.30079	6960.243
0.31982	0.14573	3.30167	6961.572
0.31986	0.14574	3.30258	6962.527
0.3199	0.14576	3.30384	6963.232
0.31994	0.14577	3.30475	6963.81
0.31998	0.14578	3.30577	6964.343
0.32002	0.14579	3.30691	6964.835
0.32006	0.1458	3.30827	6965.303
0.3201	0.14582	3.30976	6965.801
0.32014	0.14583	3.31109	6966.395
0.32018	0.14585	3.31237	6967.122
0.32022	0.14589	3.31391	6967.941
0.32026	0.14611	3.31543	6968.785
0.3203	0.14634	3.3169	6969.642
0.32034	0.14657	3.3184	6970.611
0.32038	0.1468	3.31976	6971.559
0.32042	0.14701	3.32114	6972.578
0.32047	0.14727	3.32281	6973.822
0.32054	0.14763	3.32541	6976.074
0.32063	0.14815	3.32947	6979.753
0.32069	0.14849	3.33245	6982.803

10:33:41.351	-9	0.00005	0.00026	0.00137	2.226	0.000215
10:33:42.351	-9	0.00005	0.00028	0.00044	1.591	0.000154
10:33:43.351	-9	0.00004	0.00018	0.00074	0.904	0.000088
10:33:44.351	-9	0.00004	0.00017	0.00111	0.7	0.000068
10:33:45.351	-9	0.00004	0.00015	0.00137	0.832	0.000081
10:33:46.351	-9	0.00004	0.00009	0.00131	0.908	0.000088
10:33:47.351	-9	0.00004	0.00005	0.00132	0.898	0.000087
10:33:48.351	-9	0.00004	0.00003	0.00161	0.955	0.000093
10:33:49.351	-9	0.00004	0.00005	0.00158	1.211	0.000117
10:33:50.351	-9	0.00004	0.00003	0.00127	1.311	0.000127
10:33:51.351	-9	0.00004	0.00005	0.00131	1.179	0.000114
10:33:52.351	-9	0.00004	0.00001	0.00157	0.881	0.000085
10:33:53.351	-9	0.00004	0.00001	0.00175	0.848	0.000082
10:33:54.351	-9	0.00004	0	0.00157	0.987	0.000096
10:33:55.351	-9	0.00003	0	0.0013	1.108	0.000107
10:33:56.351	-9	0.00004	0.00002	0.00147	1.151	0.000112
10:33:57.351	-9	0.00004	0	0.00168	1.166	0.000113
10:33:58.351	-9	0.00004	0.00002	0.00166	1.042	0.000101
10:33:59.351	-9	0.00004	0	0.00135	0.906	0.000088
10:34:00.351	-9	0.00004	0.00001	0.0016	0.896	0.000087
10:34:01.351	-9	0.00005	0	0.00172	1.052	0.000102
10:34:02.351	-9	0.00006	0	0.00205	1.393	0.000135
10:34:03.351	-9	0.00006	0.00002	0.00226	1.786	0.000173
10:34:04.351	-9	0.00005	0.00001	0.00177	1.658	0.000161
10:34:05.351	-9	0.00005	0.00005	0.00132	1.475	0.000143
10:34:06.351	-9	0.00004	0.00002	0.00122	1.155	0.000112
10:34:07.351	-9	0.00004	0.00003	0.00104	0.886	0.000086
10:34:08.351	-9	0.00004	0.00001	0.00129	0.763	0.000074
10:34:09.351	-9	0.00004	0	0.00138	0.695	0.000068
10:34:10.351	-9	0.00004	0.00001	0.00136	0.708	0.000069
10:34:11.351	-9	0.00004	0	0.0013	0.712	0.000069
10:34:12.351	-9	0.00004	0.00002	0.00118	0.732	0.000071
10:34:13.351	-9	0.00004	0	0.0012	0.772	0.000075
10:34:14.351	-9	0.00004	0.00001	0.00121	0.802	0.000078
10:34:15.351	-9	0.00004	0.00001	0.00112	0.819	0.000079
10:34:16.351	-9	0.00004	0.00001	0.00106	0.921	0.000089
10:34:17.351	-9	0.00004	0.00002	0.00107	1.008	0.000098
10:34:18.351	-9	0.00004	0	0.00125	1.13	0.00011
10:34:19.351	-9	0.00004	0.00003	0.00121	1.211	0.000117
10:34:20.351	-9	0.00004	0	0.00122	1.185	0.000115
10:34:21.351	-9	0.00004	0.00002	0.00115	1.179	0.000114
10:34:22.351	-9	0.00004	0.00001	0.00101	1.187	0.000115
10:34:23.351	-9	0.00004	0.00001	0.00093	1.201	0.000116
10:34:24.351	-9	0.00004	0.00003	0.00117	1.205	0.000117
10:34:25.351	-9	0.00004	0	0.00116	1.16	0.000112
10:34:26.351	-9	0.00004	0.00003	0.00122	1.18	0.000114
10:34:27.351	-9	0.00005	0.00001	0.0014	1.248	0.000121

9.6	1.60E+00	0.800	1.200	0.646	0.969	26.600	192.2	19.10607	919	8.69	7.9	301.638868	261.6045
9.6	1.60E+00	0.800	1.200	0.656	0.985	29.700	192.2	17.27743	978	8.07	30.1	297.618497	252.482883
9.2	1.70E+00	0.800	1.200	0.666	0.998	24.600	192.2	16.44052	1032	8.615	30	296.424008	248.768432
8.9	1.70E+00	0.800	1.200	0.669	1.003	26.100	192.2	12.65627	792	8.07	14.8	295.751515	243.809823
8.9	1.70E+00	0.800	1.200	0.667	1.001	21.200		15.25655	882	7.45	24.8	293.304231	239.265966
8.6	1.70E+00	0.800	1.200	0.666	0.999	11.300		16.34376	966	7.45	38.9	291.909827	238.1
8.6	1.60E+00	0.700	1.200	0.586	1.001	6.000		17.43575	1092	8.07	52.7	291.182342	240.5168
8.2	1.60E+00	0.700	1.200	0.582	0.997	3.400		13.22341	1007	8.07	38.5	293.00875	242.810429
8.2	1.60E+00	0.700	1.200	0.577	0.989	6.700		17.03889	833	8.014	17.1	292.04397	238.664384
8.9	1.60E+00	0.700	1.200	0.575	0.986	3.600	192.2	16.23316	819	7.45	22.5	287.711636	233.409231
8.1	1.60E+00	0.700	1.200	0.579	0.993	5.300	192.2	18.25924	976	7.45	34.3	287.178226	231.311726
8.1	1.60E+00	0.700	1.200	0.584	1.002	1.400	192.2	16.90076	994	7.45	42	296.62	233.50267
8.1	1.60E+00	0.700	1.200	0.584	1.000	0.800	192.2	15.99747	1000	7.45	42.6	295.186531	235.493846
7.9	1.50E+00	0.600	1.200	0.497	0.994	-0.600	192.2	16.10537	1071	8.07	32.9	294.698947	237.452941
7.9	1.50E+00	0.600	1.200	0.494	0.988	-0.100		14.35539	851	7.477	32.2	288.7816	236.708982
8.4	1.60E+00	0.700	1.300	0.573	1.067	2.300		13.64237	804	6.859	31.9	288.561667	233.389307
7.8	1.60E+00	0.700	1.300	0.575	1.068	0.000		15.02408	812	6.87	29.8	287.8096	229.739657
7.8	1.70E+00	0.700	1.300	0.579	1.076	2.300		16.15167	908	6.83	30.6	285.584	228.5
7.8	1.70E+00	0.800	1.300	0.665	1.081	-0.500		16.1292	965	6.83	28	286.355	228.397502
7.5	1.70E+00	0.800	1.300	0.665	1.081	1.200		15.62191	1018	6.83	32.2	285.402648	226.63648
7.5	1.70E+00	0.700	1.300	0.582	1.080	-0.200		17.02622	1222	6.21	45.4	286.54071	227.415315
7.1	1.70E+00	0.700	1.300	0.580	1.077	-0.900		22.8992	1441	6.767	50.2	287.068862	230.64046
7	1.60E+00	0.700	1.300	0.577	1.071	1.400		25.52628	1545	7.397	46.4	286.375258	234.321622
7	1.60E+00	0.700	1.300	0.574	1.065	1.100		18.67546	1283	7.45	35.9	286.09125	234.689814
7.1	1.70E+00	0.700	1.400	0.573	1.147	5.300	192.2	17.5081	857	7.45	24.7	285.966801	229.041386
8.1	1.70E+00	0.700	1.400	0.578	1.155	3.000	192.2	16.20276	822	6.931	25	285.35	225.379332
8.1	1.70E+00	0.700	1.400	0.582	1.164	4.000	192.2	15.66487	815	6.83	29.1	280.406622	222.041935
7.7	1.80E+00	0.700	1.400	0.585	1.170	1.700	192.2	15.70213	828	6.83	30.4	280.1994	220.828767
7.4	1.80E+00	0.700	1.400	0.586	1.172	-0.100	192.2	14.37056	826	6.83	31.4	281.402935	219.6
7.4	1.80E+00	0.700	1.400	0.585	1.170	2.000	192.2	14.66742	826	5.085	32.5	281.383962	219.58012
7.3	1.80E+00	0.700	1.400	0.585	1.169	-1.000	192.2	14.37396	790	4.409	32.5	280.908	219
6	1.70E+00	0.600	1.400	0.501	1.168	2.300	192.2	13.94816	777	3.707	33	275.877301	219
5.9	1.70E+00	0.600	1.400	0.500	1.167	0.000	192.2	14.19376	768	2.48	38.1	274.051653	219.352895
3.9	1.70E+00	0.600	1.400	0.500	1.166	1.700	192.2	14.71714	799	1.837	40.7	275.158012	222.37413
3.8	1.70E+00	0.600	1.400	0.499	1.164	0.800	192.2	14.42862	780	1.094	40.1	264.81141	225.065147
2.3	1.70E+00	0.700	1.400	0.580	1.159	1.400	192.2	14.3341	778	0.407	40.3	265.326531	227.081108
2.2	1.70E+00	0.700	1.400	0.578	1.155	2.800	192.2	14.32264	781	0	40.1	266.120774	228.65186
0.8	1.70E+00	0.700	1.400	0.576	1.153	0.500	192.2	14.17615	785	0	39.7	259.606792	229.519243
0.8	1.70E+00	0.700	1.400	0.576	1.151	4.100	192.2	16.47835	910	0.321	41.9	260.698571	231.366995
0	1.70E+00	0.700	1.400	0.575	1.151	0.600		14.58147	867	0.922	50.1	262.121074	233.4381
0.1	1.70E+00	0.700	1.400	0.574	1.148	2.900		14.96134	838	1.24	44.1	262.750938	234.502402
1.3	1.70E+00	0.700	1.400	0.573	1.146	1.900		14.06746	778	1.24	41.4	263.033888	234.9
1.3	1.80E+00	0.800	1.400	0.654	1.145	1.200		14.1871	776	1.86	40.5	261.45818	234.689237
2	1.80E+00	0.800	1.400	0.655	1.146	4.000		14.23398	785	2.48	39.8	262.046146	234.3
2	1.80E+00	0.800	1.400	0.655	1.147	0.500	192.2	14.17124	774	2.48	38.4	263.005092	234.0774
2.8	1.80E+00	0.800	1.400	0.656	1.148	3.600	192.2	15.35447	765	2.761	35.8	262.364375	233.392834
2.8	1.80E+00	0.800	1.400	0.657	1.150	1.300	192.2	14.91	833	3.11	38.1	261.658614	233.240606

0.32074	0.14875	3.33382	6985.029
0.32079	0.14903	3.33426	6986.62
0.32083	0.14921	3.335	6987.524
0.32087	0.14938	3.33611	6988.224
0.32091	0.14953	3.33748	6989.056
0.32095	0.14962	3.33879	6989.964
0.32099	0.14967	3.34011	6990.862
0.32103	0.1497	3.34172	6991.817
0.32107	0.14975	3.3433	6993.028
0.32111	0.14978	3.34457	6994.339
0.32115	0.14983	3.34588	6995.518
0.32119	0.14984	3.34745	6996.399
0.32123	0.14985	3.3492	6997.247
0.32127	0.14985	3.35077	6998.234
0.3213	0.14985	3.35207	6999.342
0.32134	0.14987	3.35354	7000.493
0.32138	0.14987	3.35522	7001.659
0.32142	0.14989	3.35688	7002.701
0.32146	0.14989	3.35823	7003.607
0.3215	0.1499	3.35983	7004.503
0.32155	0.1499	3.36155	7005.555
0.32161	0.1499	3.3636	7006.948
0.32167	0.14992	3.36586	7008.734
0.32172	0.14993	3.36763	7010.392
0.32177	0.14998	3.36895	7011.867
0.32181	0.15	3.37017	7013.022
0.32185	0.15003	3.37121	7013.908
0.32189	0.15004	3.3725	7014.671
0.32193	0.15004	3.37388	7015.366
0.32197	0.15005	3.37524	7016.074
0.32201	0.15005	3.37654	7016.786
0.32205	0.15007	3.37772	7017.518
0.32209	0.15007	3.37892	7018.29
0.32213	0.15008	3.38013	7019.092
0.32217	0.15009	3.38125	7019.911
0.32221	0.1501	3.38231	7020.832
0.32225	0.15012	3.38338	7021.84
0.32229	0.15012	3.38463	7022.97
0.32233	0.15015	3.38584	7024.181
0.32237	0.15015	3.38706	7025.366
0.32241	0.15017	3.38821	7026.545
0.32245	0.15018	3.38922	7027.732
0.32249	0.15019	3.39015	7028.933
0.32253	0.15022	3.39132	7030.138
0.32257	0.15022	3.39248	7031.298
0.32261	0.15025	3.3937	7032.478
0.32266	0.15026	3.3951	7033.726

10:34:28.351	-9	0.00004	0.00001	0.00157	1.235	0.00012
10:34:29.351	-9	0.00004	0.00001	0.00159	1.194	0.000116
10:34:30.351	-9	0.00004	0.00001	0.00135	1.235	0.00012
10:34:31.351	-9	0.00005	0.00003	0.00129	1.336	0.000129
10:34:32.351	-9	0.00005	0	0.00144	1.554	0.000151
10:34:33.351	-9	0.00006	0.00005	0.00198	1.841	0.000178
10:34:34.351	-9	0.00005	0.00002	0.00173	1.548	0.00015
10:34:35.351	-9	0.00005	0.00003	0.00147	1.693	0.000164
10:34:36.351	-9	0.00005	0.00004	0.00119	1.326	0.000128
10:34:37.351	-9	0.00005	0.00002	0.0008	1.049	0.000102
10:34:38.351	-9	0.00005	0.00003	0.00106	0.901	0.000087
10:34:39.351	-9	0.00005	0	0.00129	0.898	0.000087
10:34:40.351	-9	0.00005	0.00008	0.0013	0.9	0.000087
10:34:41.351	-9	0.00005	0.00019	0.00129	0.863	0.000084
10:34:42.351	-9	0.00005	0.00022	0.00134	0.803	0.000078
10:34:43.351	-9	0.00004	0.00021	0.00131	0.773	0.000075
10:34:44.351	-9	0.00004	0.00024	0.00131	0.769	0.000075
10:34:45.351	-9	0.00004	0.00025	0.00131	0.771	0.000075
10:34:46.351	-9	0.00005	0.00023	0.00138	0.811	0.000079
10:34:47.351	-9	0.00005	0.00027	0.00155	0.91	0.000088
10:34:48.351	-9	0.00005	0.00026	0.00171	0.928	0.00009
10:34:49.351	-9	0.00005	0.00027	0.00164	0.956	0.000093
10:34:50.351	-9	0.00005	0.00024	0.00185	1.042	0.000101
10:34:51.351	-9	0.00004	0.00024	0.00173	1.089	0.000106
10:34:52.351	-9	0.00004	0.00023	0.00141	1.101	0.000107
10:34:53.351	-9	0.00004	0.00022	0.00121	1.037	0.000101
10:34:54.351	-9	0.00004	0.00023	0.00115	0.902	0.000088
10:34:55.351	-9	0.00004	0.00021	0.00138	0.845	0.000082
10:34:56.351	-9	0.00004	0.00023	0.00115	0.837	0.000081
10:34:57.351	-9	0.00004	0.00021	0.00129	0.835	0.000081
10:34:58.351	-9	0.00004	0.00021	0.00162	0.914	0.000089
10:34:59.351	-9	0.00004	0.00022	0.00143	1.032	0.0001
10:35:00.351	-9	0.00004	0.00022	0.00133	1.096	0.000106
10:35:01.351	-9	0.00004	0.00023	0.00132	1.117	0.000108
10:35:02.351	-9	0.00004	0.00022	0.00133	1.13	0.00011
10:35:03.351	-9	0.00004	0.00023	0.00132	1.127	0.000109
10:35:04.351	-9	0.00004	0.00021	0.00131	1.116	0.000108
10:35:05.351	-9	0.00004	0.00019	0.00131	1.118	0.000108
10:35:06.351	-9	0.00004	0.0002	0.00131	1.12	0.000109
10:35:07.351	-9	0.00004	0.00019	0.00132	1.125	0.000109
10:35:08.351	-9	0.00004	0.0002	0.00131	1.128	0.000109
10:35:09.351	-9	0.00004	0.00018	0.00132	1.144	0.000111
10:35:10.351	-9	0.00004	0.00019	0.00131	1.138	0.00011
10:35:11.351	-9	0.00004	0.00018	0.00131	1.136	0.00011
10:35:12.351	-9	0.00004	0.00019	0.00131	1.129	0.000109
10:35:13.351	-9	0.00004	0.00021	0.00131	1.127	0.000109
10:35:14.351	-9	0.00003	0.00019	0.00133	1.14	0.000111

3.1	1.70E+00	0.700	1.400	0.577	1.152	1.500
3.1	1.70E+00	0.700	1.400	0.576	1.152	1.500
4.1	1.70E+00	0.700	1.400	0.575	1.151	1.400
4.1	1.70E+00	0.700	1.400	0.575	1.150	3.600
4.9	1.70E+00	0.700	1.400	0.575	1.149	0.000
4.9	1.80E+00	0.800	1.400	0.655	1.146	4.800
5.9	1.80E+00	0.800	1.400	0.652	1.140	2.200
5.9	1.80E+00	0.800	1.400	0.651	1.139	3.900
7.1	1.90E+00	0.900	1.400	0.737	1.147	4.900
7.1	1.90E+00	0.900	1.400	0.744	1.157	3.300
6.8	1.90E+00	0.900	1.400	0.748	1.164	3.600
6.8	1.90E+00	0.900	1.400	0.748	1.164	0.000
6.4	2.00E+00	1.000	1.400	0.832	1.164	11.400
6.4	2.00E+00	1.000	1.400	0.832	1.165	26.100
5.9	2.00E+00	1.000	1.400	0.833	1.166	31.900
5.9	2.00E+00	1.000	1.400	0.833	1.166	31.700
5.3	2.00E+00	1.000	1.400	0.833	1.166	35.500
4.7	2.00E+00	1.000	1.400	0.833	1.166	36.900
4.1	2.00E+00	1.000	1.400	0.833	1.166	32.600
3.6	2.00E+00	1.000	1.400	0.833	1.166	34.800
3.6	1.90E+00	1.000	1.300	0.833	1.083	32.700
3.6	1.90E+00	1.000	1.300	0.831	1.080	35.000
4.6	1.90E+00	1.000	1.300	0.827	1.075	33.100
5.3	1.90E+00	1.000	1.300	0.824	1.071	33.500
5.3	1.80E+00	0.900	1.300	0.741	1.070	33.400
5.3	1.80E+00	0.900	1.300	0.742	1.072	32.500
5.2	1.80E+00	0.900	1.300	0.745	1.076	34.500
5.2	1.80E+00	0.900	1.300	0.747	1.080	31.600
4.5	1.80E+00	0.900	1.300	0.748	1.081	33.600
2.5	1.80E+00	0.900	1.300	0.748	1.080	31.600
2.5	1.80E+00	0.900	1.300	0.745	1.076	32.000
2.4	1.80E+00	0.900	1.300	0.742	1.071	33.100
0.7	1.90E+00	1.000	1.300	0.822	1.069	32.400
0.7	1.90E+00	1.000	1.300	0.821	1.068	33.700
0	1.90E+00	1.000	1.300	0.821	1.068	32.700
0	1.90E+00	1.000	1.300	0.821	1.066	33.500
0	1.80E+00	1.000	1.200	0.821	0.985	30.400
0	1.80E+00	1.000	1.200	0.821	0.985	28.800
0	1.80E+00	1.000	1.200	0.821	0.985	29.500
0	1.80E+00	1.000	1.200	0.821	0.985	27.800
0	1.80E+00	1.000	1.200	0.821	0.985	29.600
0	1.70E+00	0.900	1.200	0.739	0.985	26.700
0	1.70E+00	0.900	1.200	0.739	0.985	28.300
0	1.70E+00	0.900	1.200	0.739	0.985	26.300
0	1.60E+00	0.800	1.100	0.657	0.903	27.400
0	1.60E+00	0.800	1.100	0.656	0.903	30.500
0	1.50E+00	0.800	1.000	0.656	0.822	28.100

192.2	16.46517	984	3.73	33.9	262.559441	233.6
192.2	16.35488	1015	4.35	35.8	270.446449	233.27557
192.2	15.8363	1024	4.35	38.8	274.057778	231.809663
192.2	16.40312	1109	4.97	46.3	272.457856	231.936899
192.2	19.14689	1226	5.59	51.7	273.199287	233.633741
192.2	22.74679	1383	6.261	47.6	272.376923	236.741528
192.2	14.8227	1280	6.78	20	272.494084	236.07003
192.2	17.70226	980	6.21	21.3	270.351613	230.578676
192.2	15.59488	968	6.21	29	270.891121	225.763146
192.2	15.07917	902	6.21	27.3	278.062839	223.192955
192.2	15.44769	883	6.21	32.3	278.112427	220.6732
192.2	15.47811	842	5.944	31.5	276.380113	218.116944
192.2	15.46778	827	5.59	31.2	273.845588	216.6795
192.2	15.61665	824	5.59	32.3	271.795749	215.435812
192.2	14.43969	812	4.75	33.4	272.317143	215.1
192.2	14.15816	776	4.35	31.8	277.663077	214.098261
192.2	14.07002	776	3.73	32.5	276.053731	213.319746
192.2	14.12618	778	3.73	32.5	274.466892	212.713752
192.2	14.30959	778	3.73	32	270.358988	212.6
192.2	16.09875	815	3.73	40.8	262.703333	212.336883
192.2	17.53483	1028	4.35	45.2	257.768571	215.561237
192.2	15.1616	988	4.35	38.6	254.78913	217.6
192.2	16.6416	1054	4.97	27.8	247.104068	217.826398
192.2	14.76327	963	4.97	26.9	247.657755	217.57566
192.2	14.70221	851	4.97	32.1	257.688469	215.088172
192.2	14.58907	785	4.35	31.4	255.536723	212.849257
192.2	13.57354	776	3.79	33.8	254.610728	212
192.2	13.58347	759	3.11	37.8	253.802622	212.32458
192.2	14.78266	802	1.885	42.3	254.625574	213.984576
192.2	14.52308	785	1.15	41.8	261.324151	216.654645
	14.22782	779	0	40.8	260.21145	218.495015
	14.18996	779	0	41.1	258.720849	219.748221
	14.15663	781	0	40.9	258.771512	221.0047
	14.24153	776	0	41.9	259.277778	221.878593
	14.48875	785	0	41.1	259.455367	222.538273
192.2	14.22769	780	0	40.8	257.793241	223.164118
192.2	14.12239	782	0	41.1	257.283835	223.755842
192.2	14.1783	779	0	40.9	263.666667	224
192.2	14.35562	777	0	41.5	267.722532	224
192.2	14.39821	781	0	41.4	263.301247	224.683297
192.2	14.41967	777	0	40.6	260.610204	225.373896
192.2	14.33681	777	0	40.6	261.430041	224.7
192.2	14.39827	777	0	41	257.322403	224.775676
192.2	14.306	776	0	41.6	257.048965	225.4
192.2	14.19277	782	0	41.4	250.296787	225.4
192.2	14.30445	777	0	41.2	246.051346	225.4
192.2	14.34296	778	0	41.2	245.387342	225.157253

0.3227	0.15027	3.39667	7034.961
0.32274	0.15028	3.39826	7036.155
0.32278	0.15029	3.39961	7037.39
0.32283	0.15032	3.4009	7038.726
0.32288	0.15032	3.40234	7040.28
0.32294	0.15037	3.40432	7042.121
0.32299	0.15039	3.40605	7043.669
0.32304	0.15042	3.40752	7045.362
0.32309	0.15046	3.40871	7046.688
0.32314	0.15048	3.40951	7047.737
0.32319	0.15051	3.41057	7048.638
0.32324	0.15051	3.41186	7049.536
0.32329	0.15059	3.41316	7050.436
0.32334	0.15078	3.41445	7051.299
0.32339	0.151	3.41579	7052.102
0.32343	0.15121	3.4171	7052.875
0.32347	0.15145	3.41841	7053.644
0.32351	0.1517	3.41972	7054.415
0.32356	0.15193	3.4211	7055.226
0.32361	0.1522	3.42265	7056.136
0.32366	0.15246	3.42436	7057.064
0.32371	0.15273	3.426	7058.02
0.32376	0.15297	3.42785	7059.062
0.3238	0.15321	3.42958	7060.151
0.32384	0.15344	3.43099	7061.252
0.32388	0.15366	3.4322	7062.289
0.32392	0.15389	3.43335	7063.191
0.32396	0.1541	3.43473	7064.036
0.324	0.15433	3.43588	7064.873
0.32404	0.15454	3.43717	7065.708
0.32408	0.15475	3.43879	7066.622
0.32412	0.15497	3.44022	7067.654
0.32416	0.15519	3.44155	7068.75
0.3242	0.15542	3.44287	7069.867
0.32424	0.15564	3.4442	7070.997
0.32428	0.15587	3.44552	7072.124
0.32432	0.15608	3.44683	7073.24
0.32436	0.15627	3.44814	7074.358
0.3244	0.15647	3.44945	7075.478
0.32444	0.15666	3.45077	7076.603
0.32448	0.15686	3.45208	7077.731
0.32452	0.15704	3.4534	7078.875
0.32456	0.15723	3.45471	7080.013
0.3246	0.15741	3.45602	7081.149
0.32464	0.1576	3.45733	7082.278
0.32468	0.15781	3.45864	7083.405
0.32471	0.158	3.45997	7084.545

10:35:15.351	-9	0.00004	0.00023	0.00145	1.247	0.000121
10:35:16.351	-9	0.00004	0.00022	0.00153	1.246	0.000121
10:35:17.351	-9	0.00003	0.00021	0.00157	1.179	0.000114
10:35:18.351	-9	0.00003	0.0002	0.00144	1.217	0.000118
10:35:19.351	-9	0.00004	0.00021	0.00134	1.244	0.000121
10:35:20.351	-9	0.00003	0.00021	0.00139	1.215	0.000118
10:35:21.351	-9	0.00003	0.00019	0.00144	1.176	0.000114
10:35:22.351	-9	0.00003	0.00021	0.00148	1.164	0.000113
10:35:23.351	-9	0.00003	0.0002	0.00159	1.169	0.000113
10:35:24.351	-9	0.00003	0.00021	0.00157	1.16	0.000113
10:35:25.351	-9	0.00003	0.0002	0.00157	1.163	0.000113
10:35:26.351	-9	0.00003	0.00019	0.00149	1.161	0.000113
10:35:27.351	-9	0.00003	0.0002	0.00145	1.172	0.000114
10:35:28.351	-9	0.00003	0.00017	0.00148	1.148	0.000111
10:35:29.351	-9	0.00003	0.00018	0.00158	1.153	0.000112
10:35:30.351	-9	0.00003	0.00016	0.00159	1.16	0.000112
10:35:31.351	-9	0.00003	0.00016	0.00148	1.153	0.000112
10:35:32.351	-9	0.00003	0.00013	0.00145	1.151	0.000112
10:35:33.351	-9	0.00003	0.00011	0.00144	1.142	0.000111
10:35:34.351	-9	0.00003	0.00009	0.0014	1.137	0.00011
10:35:35.351	-9	0.00003	0.00006	0.00131	1.132	0.00011
10:35:36.351	-9	0.00003	0.00006	0.00142	1.126	0.000109
10:35:37.351	-9	0.00003	0.00003	0.00144	1.13	0.00011
10:35:38.351	-9	0.00003	0.00005	0.00144	1.13	0.00011
10:35:39.351	-9	0.00003	0.00004	0.00145	1.138	0.00011
10:35:40.351	-9	0.00003	0.00003	0.00145	1.136	0.00011
10:35:41.351	-9	0.00003	0.00005	0.00145	1.135	0.00011
10:35:42.351	-9	0.00003	0.00002	0.00144	1.133	0.00011
10:35:43.351	-9	0.00004	0.00005	0.00145	1.136	0.00011
10:35:44.351	-9	0.00004	0.00003	0.00145	1.134	0.00011
10:35:45.351	-9	0.00004	0.00004	0.00145	1.134	0.00011
10:35:46.351	-9	0.00004	0.00004	0.00146	1.144	0.000111
10:35:47.351	-9	0.00005	0.00004	0.00168	1.316	0.000128
10:35:48.351	-9	0.00004	0.00005	0.00155	1.224	0.000119
10:35:49.351	-9	0.00004	0.00003	0.00146	1.195	0.000116
10:35:50.351	-9	0.00004	0.00005	0.00147	1.26	0.000122
10:35:51.351	-9	0.00004	0.00003	0.00158	1.365	0.000132
10:35:52.351	-9	0.00004	0.00005	0.0017	1.381	0.000134
10:35:53.351	-9	0.00005	0.00005	0.00186	1.35	0.000131
10:35:54.351	-9	0.00005	0.00004	0.00202	1.348	0.000131
10:35:55.351	-9	0.00004	0.00004	0.00177	1.175	0.000114
10:35:56.351	-9	0.00004	0.00007	0.00158	1.012	0.000098
10:35:57.351	-9	0.00004	0.00022	0.00155	0.908	0.000088
10:35:58.351	-9	0.00004	0.00022	0.00158	0.819	0.00008
10:35:59.351	-9	0.00004	0.00023	0.00168	0.794	0.000077
10:36:00.351	-9	0.00004	0.00023	0.00176	0.823	0.00008
10:36:01.351	-9	0.00004	0.00021	0.00172	0.836	0.000081

0	1.50E+00	0.800	1.000	0.656	0.821	30.600	192.2	15.75756	857	0	48.9	247.032258	225.540404
0	1.50E+00	0.800	1.000	0.656	0.821	29.100	192.2	15.72653	899	0.908	42.7	247.456762	227.514984
0	1.50E+00	0.800	1.000	0.655	0.819	30.600	192.2	14.37819	795	1.86	40.4	248.640816	227.9
0	1.50E+00	0.800	1.000	0.654	0.817	29.200	192.2	14.03137	772	1.86	40.8	253.586538	227.580435
0.1	1.60E+00	0.900	1.000	0.735	0.817	30.300	192.2	14.02257	775	1.86	41.1	256.016763	227.3
2.4	1.60E+00	0.900	1.000	0.736	0.818	31.300	192.2	14.18726	776	1.86	40.9	259.084383	226.770336
2.4	1.60E+00	0.900	1.000	0.737	0.819	28.700	192.2	14.18629	776	1.533	41.8	261.64918	226.6
2.4	1.30E+00	0.900	0.700	0.737	0.574	30.300	192.2	14.23673	780	1.24	42.1	260.933333	227.183333
1.8	1.20E+00	0.800	0.700	0.656	0.574	28.500	192.2	14.41111	779	0.897	41.4	260.688254	227.3
1.8	1.20E+00	0.800	0.700	0.656	0.574	30.500	192.2	14.35424	779	0.62	41.2	256.293421	227.3
1.8	1.20E+00	0.800	0.700	0.655	0.574	28.900	192.2	14.34301	779	0.62	40.9	252.462626	226.6
1	1.30E+00	0.800	0.800	0.655	0.655	28.100	192.2	14.32316	778	0.62	41.5	252.695262	226.6
1	1.30E+00	0.800	0.800	0.655	0.655	29.100	192.2	14.38	783	0	41.2	251.60125	226.6
0.7	1.20E+00	0.700	0.800	0.574	0.656	24.400	192.2	14.27	779	0	40.8	250.445892	226.49951
0.7	1.20E+00	0.700	0.800	0.574	0.656	27.100	192.2	14.21384	780	0	40.5	250.273904	226
0	1.20E+00	0.700	0.800	0.574	0.656	23.400	192.2	14.33131	780	0	40.7	243.217083	226
0	1.20E+00	0.700	0.800	0.574	0.656	23.500	192.2	14.41646	776	0	40.4	245.930539	225.755507
0	1.20E+00	0.700	0.800	0.574	0.656	18.900	192.2	14.33	784	0	41.1	248.439135	225.4
0	1.20E+00	0.700	0.800	0.574	0.656	15.600	192.2	14.28523	780	0	40	247.371002	225.4
0	1.20E+00	0.700	0.800	0.574	0.656	13.300	192.2	14.25344	782	0	40.8	246.749203	225.4
0	1.20E+00	0.700	0.800	0.574	0.656	8.200	192.2	14.08242	779	0	40.8	247.4125	224.997062
0	1.30E+00	0.800	0.800	0.656	0.656	9.000	192.2	14.11696	778	0	40.5	250.121522	224.7
0	1.30E+00	0.800	0.800	0.656	0.656	4.100	192.2	14.31738	782	0	40.9	253.697688	224.7
0	1.30E+00	0.800	0.800	0.656	0.656	6.700	192.2	14.37431	779	0	40.1	253.136538	224.160839
0	1.30E+00	0.800	0.800	0.656	0.656	5.800	192.2	14.22541	779	0	40.2	255.101837	224
0	1.40E+00	0.900	0.800	0.738	0.656	4.400	192.2	14.33368	777	0	40.4	251.462725	224.693077
0	1.40E+00	0.900	0.800	0.738	0.656	7.100	192.2	14.19	778	0	40.8	248.013077	224.054081
0	1.50E+00	1.000	0.800	0.821	0.657	3.400	192.2	14.28453	779	0	40.8	246.541327	224.5936
0	1.60E+00	1.000	0.900	0.821	0.739	7.500	192.2	14.29204	778	0	40.5	246.230689	224
0	1.60E+00	1.100	0.900	0.903	0.739	4.100	192.2	14.19885	780	0	40.7	242.269076	224
0	1.60E+00	1.100	0.900	0.903	0.739	5.400	192.2	14.39763	777	0	40.2	242.513238	223.850148
0	1.70E+00	1.200	0.900	0.984	0.739	6.100	192.2	14.23321	777	0	40.6	242.251357	223.541315
0	1.70E+00	1.200	0.900	0.985	0.739	4.500	192.2	16.60676	929	0.322	42.9	243.374016	224.617849
0.1	1.70E+00	1.200	0.900	0.985	0.738	7.000	192.2	15.32754	871	1.24	42.2	240.34321	226.6
1.7	1.70E+00	1.200	0.900	0.983	0.737	4.000	192.2	13.97936	781	1.627	40.6	241.273349	226.6
1.7	1.70E+00	1.200	0.900	0.981	0.735	7.700	192.2	14.29754	779	2.35	41.2	242.626132	226.311176
2.5	1.70E+00	1.200	0.900	0.980	0.735	4.200	192.2	15.35459	771	2.48	36.4	243.888962	225.340904
2.5	1.70E+00	1.200	0.900	0.982	0.736	6.500	192.2	17.2214	954	3.647	44.4	242.803173	225.708619
3.7	1.70E+00	1.200	0.900	0.984	0.738	6.400	192.2	14.81677	799	3.73	23.2	243.085507	224.556863
3.7	1.70E+00	1.200	0.900	0.985	0.739	4.700	192.2	16.77183	854	3.73	34.6	242.268846	221.366234
3.7	1.80E+00	1.200	1.000	0.987	0.822	5.000		16.08983	855	3.73	25.6	241.253537	218.4368
4.4	1.80E+00	1.200	1.000	0.992	0.827	9.300		14.49876	771	3.73	30.3	239.998651	215.621121
4.4	1.80E+00	1.200	1.000	0.995	0.829	31.600		14.86583	776	3.73	31.8	238.529104	213.796471
4.4	1.80E+00	1.200	1.000	0.997	0.831	32.700		13.63012	781	3.73	33.9	237.77556	212.115392
4.4	1.80E+00	1.200	1.000	0.998	0.832	34.100		13.6174	757	3.11	37.4	237.055491	211.2
4.1	1.80E+00	1.200	1.000	0.999	0.832	33.000	192.2	14.59514	805	1.916	42.7	237.055491	211.972172
4	1.80E+00	1.200	1.000	0.997	0.831	31.400	192.2	14.25783	787	0.676	41.6	237.371267	213.628235

0.32475	0.15823	3.46142	7085.792
0.32479	0.15845	3.46295	7087.038
0.32482	0.15866	3.46452	7088.217
0.32485	0.15886	3.46596	7089.434
0.32489	0.15907	3.4673	7090.678
0.32492	0.15928	3.46869	7091.893
0.32495	0.15947	3.47013	7093.069
0.32498	0.15968	3.47161	7094.233
0.32501	0.15988	3.4732	7095.402
0.32504	0.16009	3.47477	7096.562
0.32507	0.16029	3.47634	7097.725
0.3251	0.16048	3.47783	7098.886
0.32513	0.16068	3.47928	7100.058
0.32516	0.16085	3.48076	7101.206
0.32519	0.16103	3.48234	7102.359
0.32522	0.16119	3.48393	7103.519
0.32525	0.16135	3.48541	7104.672
0.32528	0.16148	3.48686	7105.823
0.32531	0.16159	3.4883	7106.965
0.32534	0.16168	3.4897	7108.102
0.32537	0.16174	3.49101	7109.234
0.3254	0.1618	3.49243	7110.36
0.32543	0.16183	3.49387	7111.49
0.32546	0.16188	3.49531	7112.62
0.32549	0.16192	3.49676	7113.758
0.32552	0.16195	3.49821	7114.894
0.32555	0.162	3.49966	7116.029
0.32558	0.16202	3.5011	7117.162
0.32562	0.16207	3.50255	7118.298
0.32566	0.1621	3.504	7119.432
0.3257	0.16214	3.50545	7120.566
0.32574	0.16218	3.50691	7121.71
0.32579	0.16222	3.50859	7123.026
0.32583	0.16227	3.51014	7124.25
0.32587	0.1623	3.5116	7125.445
0.32591	0.16235	3.51307	7126.705
0.32595	0.16238	3.51465	7128.07
0.32599	0.16243	3.51635	7129.451
0.32604	0.16248	3.51821	7130.801
0.32609	0.16252	3.52023	7132.149
0.32613	0.16256	3.522	7133.324
0.32617	0.16263	3.52358	7134.336
0.32621	0.16285	3.52513	7135.244
0.32625	0.16307	3.52671	7136.063
0.32629	0.1633	3.52839	7136.857
0.32633	0.16353	3.53015	7137.68
0.32637	0.16374	3.53187	7138.516

10:36:02.351	-9	0.00004	0.00023	0.00172	0.909	0.000088
10:36:03.351	-9	0.00004	0.00022	0.00172	1.049	0.000102
10:36:04.351	-9	0.00009	0.00025	0.00154	1.106	0.000107
10:36:05.351	-9	0.00007	0.00023	0.00131	1.117	0.000108
10:36:06.351	-9	0.00006	0.00024	0.00132	1.134	0.00011
10:36:07.351	-9	0.00006	0.00023	0.00133	1.139	0.00011
10:36:08.351	-9	0.00006	0.00023	0.00133	1.139	0.000111
10:36:09.351	-9	0.00006	0.00024	0.00131	1.119	0.000109
10:36:10.351	-9	0.00005	0.00022	0.00131	1.121	0.000109
10:36:11.351	-9	0.00005	0.00023	0.00131	1.116	0.000108
10:36:12.351	-9	0.00005	0.00022	0.00134	1.14	0.000111
10:36:13.351	-9	0.00005	0.00025	0.00136	1.152	0.000112
10:36:14.351	-9	0.00005	0.00023	0.00133	1.136	0.00011
10:36:15.351	-9	0.00005	0.00022	0.00134	1.166	0.000113
10:36:16.351	-9	0.00005	0.00024	0.00132	1.153	0.000112
10:36:17.351	-9	0.00005	0.00021	0.00131	1.137	0.00011
10:36:18.351	-9	0.00005	0.00021	0.00131	1.142	0.000111
10:36:19.351	-9	0.00005	0.0002	0.00131	1.141	0.000111
10:36:20.351	-9	0.00005	0.00023	0.00145	1.185	0.000115
10:36:21.351	-9	0.00005	0.00025	0.00167	1.313	0.000127
10:36:22.351	-9	0.00005	0.00024	0.00157	1.225	0.000119
10:36:23.351	-9	0.00004	0.00023	0.00146	1.198	0.000116
10:36:24.351	-9	0.00004	0.00021	0.00143	1.23	0.000119
10:36:25.351	-9	0.00004	0.00023	0.00134	1.257	0.000122
10:36:26.351	-9	0.00004	0.00022	0.00139	1.237	0.00012
10:36:27.351	-9	0.00004	0.00022	0.00145	1.193	0.000116
10:36:28.351	-9	0.00004	0.00022	0.00148	1.156	0.000112
10:36:29.351	-9	0.00004	0.00022	0.00158	1.148	0.000111
10:36:30.351	-9	0.00004	0.00022	0.00158	1.133	0.00011
10:36:31.351	-9	0.00004	0.00021	0.00156	1.107	0.000107
10:36:32.351	-9	0.00004	0.00023	0.00156	1.102	0.000107
10:36:33.351	-9	0.00004	0.00021	0.00158	1.117	0.000108
10:36:34.351	-9	0.00004	0.00023	0.00153	1.105	0.000107
10:36:35.351	-9	0.00004	0.00022	0.00144	1.111	0.000108
10:36:36.351	-9	0.00004	0.00021	0.00145	1.112	0.000108
10:36:37.351	-9	0.00004	0.00023	0.00145	1.112	0.000108
10:36:38.351	-9	0.00004	0.00021	0.00153	1.114	0.000108
10:36:39.351	-9	0.00004	0.00023	0.00157	1.114	0.000108
10:36:40.351	-9	0.00004	0.00021	0.00157	1.133	0.00011
10:36:41.351	-9	0.00004	0.00023	0.00157	1.137	0.00011
10:36:42.351	-9	0.00004	0.00022	0.00158	1.144	0.000111
10:36:43.351	-9	0.00004	0.00022	0.00158	1.144	0.000111
10:36:44.351	-9	0.00004	0.00023	0.00158	1.14	0.000111
10:36:45.351	-9	0.00004	0.00021	0.00158	1.136	0.00011
10:36:46.351	-9	0.00004	0.00023	0.00158	1.13	0.00011
10:36:47.351	-9	0.00004	0.00021	0.00157	1.12	0.000109
10:36:48.351	-9	0.00004	0.00022	0.00157	1.12	0.000109

2.4	1.80E+00	1.200	1.000	0.994	0.829	33.400	192.2	14.20284	782	0.101	41.2	237.569888	215.178427
0.5	1.80E+00	1.100	1.100	0.907	0.906	31.600	192.2	15.02075	808	0	40.3	245.522055	216.685
0.5	3.80E+00	1.100	3.500	0.905	2.900	35.500	192.2	14.47781	795	0	40.9	246.657083	218.261556
0.5	3.20E+00	1.100	2.800	0.903	2.298	33.300	192.2	14.17134	776	0	40.4	244.177023	218.4
0	2.90E+00	1.100	2.400	0.903	1.970	34.900	192.2	14.29454	779	0	40.4	241.53264	218.443157
0	2.70E+00	1.100	2.200	0.903	1.806	33.700	192.2	14.3323	780	0	40.9	240.113947	219
0	2.50E+00	1.000	2.100	0.822	1.724	33.000	192.2	14.46933	783	0	40.3	236.087719	219.250435
0	2.50E+00	1.000	2.000	0.821	1.642	35.200	192.2	14.14752	779	0	40.9	235.723909	220.042319
0	2.30E+00	0.900	1.900	0.740	1.561	32.100	192.2	14.1916	780	0	40.9	236.35	219.6
0	2.30E+00	0.900	1.900	0.739	1.560	34.200	192.2	14.09078	777	0	40.5	236.762828	219.732046
0	2.20E+00	0.900	1.800	0.739	1.479	32.100	192.2	14.1332	785	0	44.7	235.613	220.2
0	2.20E+00	0.900	1.800	0.739	1.479	35.000	192.2	14.90153	808	0	40.8	237.524651	220.555624
0	2.10E+00	0.900	1.700	0.739	1.400	33.200	192.2	14.22233	779	0	40.4	239.793968	220.9
0	2.10E+00	0.900	1.700	0.739	1.395	32.400	192.2	14.19336	800	0	40.4	242.63434	220.372905
0	2.10E+00	0.900	1.700	0.738	1.395	34.800	192.2	14.4414	797	0	41.6	244.669038	220.789434
0	2.10E+00	0.900	1.700	0.739	1.395	30.900	192.2	14.07508	780	0	41.4	241.436247	220.9
0	2.10E+00	0.900	1.700	0.739	1.395	30.700	192.2	14.2354	782	0	40.8	239.9452	220.9
0	2.10E+00	0.900	1.700	0.738	1.395	28.800	192.2	14.23442	780	0	40.4	239.871726	220.863636
0	2.10E+00	0.900	1.700	0.739	1.395	31.900	192.2	14.3217	780	0	45.4	239.660774	220.265709
0	2.10E+00	0.900	1.600	0.739	1.315	31.600	192.2	16.49056	945	0.569	44	239.796234	221.556347
0.1	2.10E+00	0.900	1.600	0.739	1.314	32.600	192.2	15.2319	883	1.24	43.3	238.134433	222.897333
1.4	2.00E+00	0.800	1.600	0.655	1.311	34.100	192.2	14.60637	828	1.86	43	235.865172	224
1.4	1.90E+00	0.700	1.600	0.573	1.307	31.400	192.2	13.99595	776	1.86	41.3	233.872692	223.818465
1.4	1.90E+00	0.700	1.600	0.572	1.306	34.500	192.2	14.13	778	1.86	41.2	235.497206	223.151333
2.3	1.90E+00	0.700	1.600	0.572	1.308	31.700	192.2	14.21976	784	2.48	40.5	237.738747	222.011667
2.8	1.80E+00	0.600	1.600	0.491	1.310	32.300	192.2	14.27102	777	2.48	41	238.379245	221.907248
2.8	1.80E+00	0.600	1.600	0.492	1.312	32.200	192.2	14.39599	780	2.48	40.1	240.33526	221.651502
2.8	1.80E+00	0.600	1.600	0.492	1.312	32.900	192.2	14.16089	780	2.48	39.6	241.563774	220.99587
3	1.80E+00	0.600	1.600	0.493	1.313	32.700	192.2	14.17145	782	2.48	40.3	241.130263	220.9
3	1.70E+00	0.500	1.600	0.411	1.314	30.500	192.2	14.16765	776	2.48	40	241.343026	220.304044
2.9	1.70E+00	0.500	1.600	0.411	1.314	34.100	192.2	14.00651	777	2.48	40.3	240.766763	220.2
2.9	1.70E+00	0.500	1.600	0.411	1.314	31.300	192.2	14.40613	781	2.48	40.8	240.752212	219.6882
2.8	1.70E+00	0.500	1.600	0.411	1.314	34.200	192.2	14.19401	774	2.48	40.8	240.756455	219.6
2.8	1.80E+00	0.600	1.600	0.493	1.314	32.700	192.2	14.27875	775	2.152	41	240.736635	219.6
2.8	1.70E+00	0.600	1.500	0.493	1.232	31.400	192.2	14.32722	777	1.86	41.8	241.145	220.12262
2.2	1.70E+00	0.600	1.500	0.493	1.232	33.500	192.2	14.36617	778	1.24	42.4	240.767379	220.2
2.2	1.70E+00	0.600	1.500	0.493	1.232	31.400	192.2	14.2775	781	1.24	42.1	240.070385	220.2
2.2	1.70E+00	0.600	1.500	0.492	1.231	34.100	192.2	14.19624	780	0.62	41.4	239.502495	220.2
1.5	1.60E+00	0.500	1.500	0.411	1.230	31.600	192.2	13.90078	780	0	41.2	239.122543	220.2
1.4	1.70E+00	0.600	1.500	0.492	1.230	34.000	192.2	14.32656	780	0	41	240.215071	219.685273
0	1.70E+00	0.600	1.500	0.492	1.230	32.800	192.2	14.32625	780	0	40.6	239.471401	219.6
0	1.70E+00	0.600	1.500	0.492	1.230	32.400		14.24	781	0	40.5	239.489017	219.6
0	1.70E+00	0.600	1.500	0.492	1.230	33.400		14.24777	778	0	40.7	239.113043	219.6
0	1.70E+00	0.600	1.500	0.492	1.230	31.100		14.18019	780	0	40.4	238.532308	219.6
0	1.70E+00	0.600	1.500	0.492	1.230	33.600		14.20242	778	0	40.4	238.53253	219.103097
0	1.70E+00	0.600	1.500	0.492	1.231	31.700		13.96377	776	0	40.4	237.463894	219
0	1.70E+00	0.600	1.500	0.492	1.231	33.200	192.2	14.08172	782	0	40.3	238.503	219

0.32641	0.16397	3.53359	7139.425
0.32645	0.16419	3.53531	7140.474
0.32654	0.16444	3.53685	7141.58
0.32661	0.16467	3.53816	7142.697
0.32667	0.16491	3.53948	7143.831
0.32673	0.16514	3.54081	7144.97
0.32679	0.16537	3.54214	7146.109
0.32685	0.16561	3.54345	7147.228
0.3269	0.16583	3.54476	7148.349
0.32695	0.16606	3.54607	7149.465
0.327	0.16628	3.54741	7150.605
0.32705	0.16653	3.54877	7151.757
0.3271	0.16676	3.5501	7152.893
0.32715	0.16698	3.55144	7154.059
0.3272	0.16722	3.55276	7155.212
0.32725	0.16743	3.55407	7156.349
0.3273	0.16764	3.55538	7157.491
0.32735	0.16784	3.55669	7158.632
0.3274	0.16807	3.55814	7159.817
0.32745	0.16832	3.55981	7161.13
0.3275	0.16856	3.56138	7162.355
0.32754	0.16879	3.56284	7163.553
0.32758	0.169	3.56427	7164.783
0.32762	0.16923	3.56561	7166.04
0.32766	0.16945	3.567	7167.277
0.3277	0.16967	3.56845	7168.47
0.32774	0.16989	3.56993	7169.626
0.32778	0.17011	3.57151	7170.774
0.32782	0.17033	3.57309	7171.907
0.32786	0.17054	3.57465	7173.014
0.3279	0.17077	3.57621	7174.116
0.32794	0.17098	3.57779	7175.233
0.32798	0.17121	3.57932	7176.338
0.32802	0.17143	3.58076	7177.449
0.32806	0.17164	3.58221	7178.561
0.3281	0.17187	3.58366	7179.673
0.32814	0.17208	3.58519	7180.787
0.32818	0.17231	3.58676	7181.901
0.32822	0.17252	3.58833	7183.034
0.32826	0.17275	3.5899	7184.171
0.3283	0.17297	3.59148	7185.315
0.32834	0.17319	3.59306	7186.459
0.32838	0.17342	3.59464	7187.599
0.32842	0.17363	3.59622	7188.735
0.32846	0.17386	3.5978	7189.865
0.3285	0.17407	3.59937	7190.985
0.32854	0.17429	3.60094	7192.105

10:36:49.351	-9	0.00004	0.00022	0.00157	1.12	0.000109
10:36:50.351	-9	0.00004	0.00021	0.00157	1.116	0.000108
10:36:51.351	-9	0.00004	0.00023	0.00159	1.131	0.00011
10:36:52.351	-9	0.00005	0.00025	0.0018	1.28	0.000124
10:36:53.351	-9	0.00005	0.00026	0.00175	1.241	0.00012
10:36:54.351	-9	0.00004	0.00022	0.00161	1.194	0.000116
10:36:55.351	-9	0.00005	0.00025	0.00178	1.302	0.000126
10:36:56.351	-9	0.00006	0.0003	0.00219	1.652	0.00016
10:36:57.351	-9	0.00006	0.0003	0.00225	1.575	0.000153
10:36:58.351	-9	0.00005	0.00024	0.00204	1.347	0.000131
10:36:59.351	-9	0.00005	0.00022	0.00246	1.522	0.000148
10:37:00.351	-9	0.00004	0.00024	0.00137	1.341	0.00013
10:37:01.351	-9	0.00004	0.00023	0.00101	1.077	0.000104
10:37:02.351	-9	0.00004	0.00026	0.00137	0.914	0.000089
10:37:03.351	-9	0.00005	0.00023	0.00174	0.884	0.000086
10:37:04.351	-9	0.00005	0.00024	0.00189	0.894	0.000087
10:37:05.351	-9	0.00005	0.00026	0.00185	0.88	0.000086
10:37:06.351	-9	0.00005	0.00023	0.0017	0.867	0.000084
10:37:07.351	-9	0.00005	0.00025	0.00171	0.895	0.000087
10:37:08.351	-9	0.00005	0.00024	0.00168	0.942	0.000092
10:37:09.351	-9	0.00005	0.00024	0.00159	0.867	0.000084
10:37:10.351	-9	0.00005	0.00023	0.00164	0.869	0.000084
10:37:11.351	-9	0.00004	0.00022	0.00156	0.831	0.000081
10:37:12.351	-9	0.00004	0.00024	0.00158	0.823	0.00008
10:37:13.351	-9	0.00005	0.00022	0.00171	0.812	0.000079
10:37:14.351	-9	0.00004	0.00024	0.00178	0.807	0.000078
10:37:15.351	-9	0.00004	0.00022	0.00173	0.891	0.000087
10:37:16.351	-9	0.00005	0.00024	0.00157	0.996	0.000097
10:37:17.351	-9	0.00005	0.00025	0.0016	1.097	0.000107
10:37:18.351	-9	0.00005	0.00024	0.00138	1.116	0.000108
10:37:19.351	-9	0.00005	0.00025	0.00145	1.126	0.000109
10:37:20.351	-9	0.00005	0.00026	0.00154	1.181	0.000115
10:37:21.351	-9	0.00005	0.00025	0.00145	1.135	0.00011
10:37:22.351	-9	0.00005	0.00025	0.00147	1.193	0.000116
10:37:23.351	-9	0.00005	0.00027	0.00143	1.254	0.000122
10:37:24.351	-9	0.00005	0.00024	0.00143	1.249	0.000121
10:37:25.351	-9	0.00005	0.00022	0.00134	1.193	0.000116
10:37:26.351	-9	0.00005	0.00021	0.00128	1.177	0.000114
10:37:27.351	-9	0.00004	0.0002	0.00138	1.254	0.000122
10:37:28.351	-9	0.00004	0.00023	0.00156	1.281	0.000124
10:37:29.351	-9	0.00004	0.00022	0.00172	1.275	0.000124
10:37:30.351	-9	0.00004	0.00023	0.00168	1.185	0.000115
10:37:31.351	-8.8	0.00004	0.00023	0.00178	1.123	0.000109
10:37:32.351	-8.2	0.00004	0.00024	0.00189	1.095	0.000106
10:37:33.351	-8.8	0.00004	0.00027	0.00171	1.06	0.000103
10:37:34.351	-8	0.00005	0.00027	0.00154	1.078	0.000105
10:37:35.351	-8	0.00005	0.00032	0.00196	1.231	0.00012

0	1.70E+00	0.600	1.500	0.492	1.230	33.100	192.2	14.13966	778	0	40.2	236.885863	219
0	1.80E+00	0.700	1.500	0.573	1.230	31.500	192.2	14.34435	776	0	40.2	236.9586	219
0	1.90E+00	0.800	1.500	0.655	1.230	33.500	192.2	14.27849	776	0	40	234.516735	219.054706
0	1.90E+00	0.800	1.500	0.656	1.230	31.700	192.2	16.28802	917	0	44.8	233.949474	219.754283
0	1.90E+00	0.800	1.500	0.656	1.230	34.100	192.2	16.01411	919	2.001	42.1	231.855118	221.615871
0.5	1.90E+00	0.800	1.500	0.655	1.228	31.700	192.2	14.2342	813	2.773	38	230.62722	221.735595
0.6	1.90E+00	0.800	1.500	0.653	1.225	34.000	192.2	15.22303	759	3.11	34.1	231.87037	220.261942
3.1	1.90E+00	0.800	1.500	0.653	1.225	32.800	192.2	17.31451	1045	3.75	60.3	233.196442	221.13
3.1	1.90E+00	0.800	1.500	0.656	1.230	31.500	192.2	22.35859	1285	5.158	78.6	236.319524	227.997872
3.9	1.90E+00	0.800	1.500	0.653	1.225	32.400	192.2	17.00238	942	5.59	35.6	236.942763	225.735
6	1.90E+00	0.800	1.500	0.649	1.216	30.100	192.2	15.75593	756	5.278	26.1	237.389949	220.774257
6	1.90E+00	0.800	1.500	0.652	1.222	33.900	192.2	14.21777	770	4.437	32.2	234.122292	216.975325
6	1.90E+00	0.800	1.500	0.658	1.234	33.500	192.2	14.13	778	3.813	31.8	234.313542	215.06997
5.3	1.90E+00	0.800	1.500	0.663	1.244	36.400	192.2	14.48856	776	3.73	31.4	233.515177	212.580217
4.1	1.90E+00	0.800	1.500	0.665	1.246	32.700	192.2	15.34802	779	3.73	31.2	231.302761	211.035882
4.1	1.90E+00	0.800	1.500	0.665	1.247	32.600	192.2	15.79916	786	3.127	35.2	231.581864	209.448721
4.1	1.90E+00	0.800	1.500	0.665	1.248	35.200	192.2	14.87087	802	3.73	32.9	226.240576	209.632667
3.8	2.00E+00	0.900	1.500	0.748	1.247	32.600	192.2	15.36306	811	3.73	30.6	222.408637	207.735072
4	1.90E+00	0.800	1.500	0.667	1.246	35.100	192.2	14.79	790	3.73	32.8	224.101134	206.615887
4	1.90E+00	0.800	1.500	0.665	1.246	32.300	192.2	15.98275	876	3.73	37.7	223.475145	206.5178
4	2.00E+00	0.900	1.500	0.748	1.247	34.400	192.2	14.82054	785	3.73	30.4	223.883034	206.25209
4	2.00E+00	0.900	1.500	0.748	1.246	33.300	192.2	14.77	779	3.73	36.9	226.409827	204.816018
4	2.00E+00	0.900	1.500	0.747	1.246	32.900	192.2	14.2591	779	3.632	32.9	228.937885	203.817333
4	2.00E+00	0.900	1.500	0.748	1.247	35.200	192.2	13.77725	766	2.878	38	231.703661	203.151165
3.2	2.00E+00	0.900	1.500	0.749	1.248	32.400	192.2	14.3902	801	1.86	41.7	233.835728	205.691621
3.2	2.00E+00	0.900	1.500	0.748	1.247	35.400	192.2	14.16717	782	0.62	40.8	234.127959	207.855714
3.1	2.00E+00	0.900	1.500	0.746	1.243	32.700	192.2	14.03308	780	0	39.7	233.657358	209.212831
1.1	2.10E+00	1.000	1.500	0.823	1.237	35.400	192.2	14.24734	778	0	39.5	233.6775	209.912312
0	2.10E+00	1.100	1.500	0.905	1.234	35.700	192.2	14.24369	812	0	40.8	233.6925	211.0248
0	2.20E+00	1.200	1.500	0.986	1.233	34.200	192.2	14.39582	806	0	41.4	233.721387	212.3956
0	2.20E+00	1.200	1.500	0.986	1.233	36.400	192.2	14.05643	796	0	42.2	231.238115	213.195814
0	2.20E+00	1.200	1.500	0.986	1.232	35.300	192.2	15.60724	867	0.487	43.6	231.654574	213.882157
0.6	2.20E+00	1.200	1.500	0.985	1.231	37.200	192.2	13.90347	780	0.134	40.8	231.346795	215.06997
0.6	2.20E+00	1.200	1.500	0.984	1.230	35.300	192.2	14.40033	818	0	42.3	229.83977	215.1715
0	2.20E+00	1.200	1.500	0.984	1.230	36.400	192.2	15.54733	874	0.59	43.5	229.967641	216.438417
0	2.20E+00	1.200	1.500	0.984	1.230	33.100	192.2	15.5112	897	1.24	44.1	226.735661	217.291915
0.1	2.20E+00	1.200	1.500	0.983	1.229	31.800	192.2	14.29888	814	1.86	41.1	227.267485	218.4
1.6	2.10E+00	1.100	1.500	0.900	1.227	31.300	192.2	13.95213	775	2.071	40	227.312083	218.1968
1.6	2.00E+00	1.000	1.400	0.818	1.144	29.100	192.2	14.08233	779	2.48	40.3	226.736952	217.447904
2.5	1.80E+00	0.800	1.400	0.654	1.145	32.500	192.2	15.12448	772	2.712	37.1	226.396881	216.618182
3.1	1.80E+00	0.800	1.400	0.656	1.147	29.700	192.2	15.22833	827	3.11	43.7	224.411531	215.7
3.1	1.70E+00	0.700	1.400	0.576	1.150	31.900	192.2	14.98925	799	3.11	33.7	224.256358	214.7625
3.1	1.70E+00	0.700	1.400	0.577	1.153	31.700	192.2	15.02944	783	3.11	29.9	224.727495	212.383007
3.8	1.70E+00	0.700	1.300	0.579	1.076	32.500	192.2	15.58474	821	3.554	35.3	223.342308	210.652148
3.8	1.70E+00	0.700	1.300	0.580	1.077	35.100	192.2	15.819	889	3.73	38.7	223.555381	209.68186
3.8	1.70E+00	0.700	1.300	0.582	1.081	32.400	192.2	16.8828	1063	4.305	50.3	224.957209	210.440543
4.4	1.70E+00	0.700	1.300	0.581	1.078	35.600	192.2	18.42376	1152	4.92	53.3	224.888439	213.375222

0.32858	0.17451	3.60251	7193.225
0.32862	0.17472	3.60408	7194.341
0.32866	0.17495	3.60567	7195.472
0.32871	0.1752	3.60747	7196.752
0.32876	0.17546	3.60922	7197.993
0.3288	0.17568	3.61083	7199.187
0.32885	0.17593	3.61261	7200.489
0.32891	0.17623	3.6148	7202.141
0.32897	0.17653	3.61705	7203.716
0.32902	0.17677	3.61909	7205.063
0.32907	0.17699	3.62155	7206.585
0.32911	0.17723	3.62292	7207.926
0.32915	0.17746	3.62393	7209.003
0.32919	0.17772	3.6253	7209.917
0.32924	0.17795	3.62704	7210.801
0.32929	0.17819	3.62893	7211.695
0.32934	0.17845	3.63078	7212.575
0.32939	0.17868	3.63248	7213.442
0.32944	0.17893	3.63419	7214.337
0.32949	0.17917	3.63587	7215.279
0.32954	0.17941	3.63746	7216.146
0.32959	0.17964	3.6391	7217.015
0.32963	0.17986	3.64066	7217.846
0.32967	0.1801	3.64224	7218.669
0.32972	0.18032	3.64395	7219.481
0.32976	0.18056	3.64573	7220.288
0.3298	0.18078	3.64746	7221.179
0.32985	0.18102	3.64903	7222.175
0.3299	0.18127	3.65063	7223.272
0.32995	0.18151	3.65201	7224.388
0.33	0.18176	3.65346	7225.514
0.33005	0.18202	3.655	7226.695
0.3301	0.18227	3.65645	7227.83
0.33015	0.18252	3.65792	7229.023
0.3302	0.18279	3.65935	7230.277
0.33025	0.18303	3.66078	7231.526
0.3303	0.18325	3.66212	7232.719
0.33035	0.18346	3.6634	7233.896
0.33039	0.18366	3.66478	7235.15
0.33043	0.18389	3.66634	7236.431
0.33047	0.18411	3.66806	7237.706
0.33051	0.18434	3.66974	7238.891
0.33055	0.18457	3.67152	7240.014
0.33059	0.18481	3.67341	7241.109
0.33063	0.18508	3.67512	7242.169
0.33068	0.18535	3.67666	7243.247
0.33073	0.18567	3.67862	7244.478

10:37:36.351	-8	0.00006	0.00038	0.00294	1.804	0.000175
10:37:37.351	-8	0.00008	0.00053	0.00395	2.909	0.000282
10:37:38.351	-8	0.00008	0.00052	0.00296	3.158	0.000306
10:37:39.351	-8	0.00006	0.00037	0.00168	2.348	0.000227
10:37:40.351	-8.2	0.00005	0.0003	0.00121	1.714	0.000166
10:37:41.351	-8.8	0.00005	0.00026	0.00124	1.522	0.000147
10:37:42.351	-8	0.00005	0.00027	0.00086	1.202	0.000117
10:37:43.351	-8	0.00005	0.00026	0.00087	0.921	0.000089
10:37:44.351	-8	0.00005	0.00025	0.00126	0.674	0.000065
10:37:45.351	-8	0.00005	0.00024	0.00162	0.612	0.00006
10:37:46.351	-8	0.00005	0.00024	0.00167	0.643	0.000063
10:37:47.351	-8	0.00005	0.00024	0.0015	0.646	0.000063
10:37:48.351	-8	0.00005	0.00022	0.00134	0.657	0.000064
10:37:49.351	-8	0.00005	0.00023	0.00139	0.677	0.000066
10:37:50.351	-8	0.00005	0.00023	0.00137	0.728	0.000071
10:37:51.351	-8	0.00005	0.00024	0.00132	0.762	0.000074
10:37:52.351	-8	0.00005	0.00023	0.00131	0.778	0.000076
10:37:53.351	-8	0.00005	0.00024	0.00132	0.877	0.000085
10:37:54.351	-8	0.00005	0.00025	0.00153	0.959	0.000093
10:37:55.351	-8	0.00005	0.00024	0.00156	1.017	0.000099
10:37:56.351	-8	0.00005	0.00025	0.00157	1.049	0.000102
10:37:57.351	-8	0.00005	0.00023	0.00157	1.052	0.000102
10:37:58.351	-8	0.00005	0.00024	0.00157	1.054	0.000102
10:37:59.351	-8	0.00005	0.00023	0.00158	1.06	0.000103
10:38:00.351	-8	0.00005	0.00023	0.00158	1.059	0.000103
10:38:01.351	-8	0.00005	0.00024	0.00158	1.07	0.000104
10:38:02.351	-8	0.00005	0.00024	0.00164	1.172	0.000114
10:38:03.351	-8	0.00005	0.00026	0.00157	1.165	0.000113
10:38:04.351	-8	0.00005	0.00023	0.00147	1.099	0.000107
10:38:05.351	-8	0.00005	0.00023	0.00141	1.124	0.000109
10:38:06.351	-8	0.00005	0.00023	0.00132	1.157	0.000112
10:38:07.351	-8	0.00005	0.00022	0.0013	1.142	0.000111
10:38:08.351	-8	0.00005	0.00024	0.0013	1.131	0.00011
10:38:09.351	-8	0.00005	0.00022	0.00136	1.108	0.000108
10:38:10.351	-8	0.00005	0.00025	0.00144	1.11	0.000108
10:38:11.351	-8	0.00005	0.00023	0.00143	1.108	0.000107
10:38:12.351	-8	0.00005	0.00024	0.00143	1.106	0.000107
10:38:13.351	-8	0.00005	0.00023	0.00143	1.111	0.000108
10:38:14.351	-8	0.00005	0.00027	0.00143	1.11	0.000108
10:38:15.351	-8	0.00005	0.00029	0.00153	1.193	0.000116
10:38:16.351	-8	0.00005	0.00026	0.00153	1.192	0.000116
10:38:17.351	-8	0.00005	0.00027	0.00152	1.182	0.000115
10:38:18.351	-8	0.00006	0.00028	0.00168	1.277	0.000124
10:38:19.351	-8	0.00007	0.00033	0.00191	1.4	0.000136
10:38:20.351	-8	0.00008	0.00037	0.0026	1.689	0.000164
10:38:21.351	-8	0.00009	0.00046	0.00307	2.443	0.000237
10:38:22.351	-8	0.00012	0.00061	0.00305	3.421	0.000331

4.4	1.70E+00	0.800	1.300	0.656	1.070	34.100	192.2	22.40973	1383	6.159	63.6	226.090366	219.36747
4.5	1.70E+00	0.800	1.300	0.652	1.059	35.800	192.2	31.22682	1628	7.388	55.4	228.422581	229.044141
6.3	1.80E+00	0.900	1.300	0.727	1.051	36.700	192.2	32.77546	1592	8.661	44	231.704782	237.468652
8.9	1.80E+00	0.900	1.300	0.726	1.049	36.100	192.2	23.01618	1253	9.854	45.7	232.815865	240.376227
9	1.90E+00	1.000	1.300	0.808	1.051	38.500	192.2	12.96085	938	9.31	12.5	232.786085	234.103617
10.1	1.90E+00	1.000	1.300	0.811	1.054	35.700	192.2	14.90027	857	8.69	15.2	230.5	225.004808
10.1	2.00E+00	1.100	1.300	0.904	1.068	38.100	192.2	14.14076	811	8.072	19.1	227.660741	217.147738
8.9	2.10E+00	1.200	1.300	0.997	1.082	34.500	192.2	15.43356	878	7.454	26.9	226.1	210.994077
8.9	2.10E+00	1.200	1.300	1.008	1.092	35.100	192.2	15.24	807	7.45	22.1	226.001512	207.219608
8.9	2.10E+00	1.200	1.300	1.010	1.095	33.800		15.20552	811	6.83	27.4	227.016981	203.852174
7.8	2.10E+00	1.300	1.200	1.093	1.010	33.900		15.44868	816	6.83	30.2	226.214801	201.600488
7.2	2.20E+00	1.300	1.300	1.092	1.092	34.400		14.31623	824	6.048	32.1	224.894045	200.668473
7.2	2.20E+00	1.300	1.300	1.091	1.091	32.500		14.69268	826	4.785	33.1	225.07	200.06135
7.1	2.20E+00	1.300	1.300	1.089	1.089	35.600		13.78033	774	3.556	32.9	225.016475	199.384615
5.4	2.20E+00	1.300	1.300	1.087	1.087	34.300	192.2	14.0514	770	2.48	36.5	225.03666	199.7152
5.3	2.20E+00	1.300	1.300	1.086	1.086	35.800	192.2	14.5816	798	1.686	39.6	224.413371	202.15901
3.1	2.20E+00	1.300	1.300	1.085	1.085	35.200	192.2	14.32692	780	0.62	39.7	226.082393	203.936774
2.9	2.20E+00	1.300	1.300	1.080	1.080	35.600	192.2	14.09778	783	0	39.6	226.86396	205.822834
0	2.20E+00	1.300	1.300	1.076	1.076	37.400	192.2	14.14135	780	0	39.1	227.091985	207.260561
0	2.10E+00	1.300	1.300	1.073	1.073	35.400	192.2	14.17567	777	0	39.6	227.579332	208.032174
0	2.10E+00	1.300	1.300	1.072	1.072	37.300	192.2	14.28213	779	0	39.4	226.055372	208.697333
0	2.10E+00	1.300	1.300	1.072	1.072	34.600	192.2	14.20542	780	0	39	223.1	208.768409
0	2.10E+00	1.300	1.300	1.072	1.072	36.000	192.2	14.14569	778	0	38.8	221.653006	209.519884
0	2.10E+00	1.300	1.300	1.072	1.072	34.700	192.2	14.14194	777	0	39.4	221.277	210
0	2.10E+00	1.300	1.300	1.072	1.072	33.400		14.15918	777	0	39.3	220.875612	210.149555
0	2.10E+00	1.300	1.300	1.072	1.072	35.100		14.27992	780	0	39.2	221.238247	210.6
0	2.10E+00	1.300	1.300	1.072	1.072	32.100		15.26158	862	0.174	46.3	221.668313	211.040816
0	2.10E+00	1.300	1.300	1.071	1.071	35.400		15.46922	875	0.62	45.1	221.814241	212.9068
0.1	2.10E+00	1.300	1.300	1.071	1.071	33.100		14.20179	802	1.24	40.7	222.056563	213.738198
1.3	2.10E+00	1.300	1.300	1.068	1.068	34.500	192.2	13.94171	775	0.62	40.2	222.093967	213.073156
1.3	2.10E+00	1.300	1.300	1.068	1.068	34.400	192.2	14.19501	795	0.761	40.1	221.986694	212.730263
1.3	2.20E+00	1.400	1.300	1.148	1.068	33.400	192.2	14.06131	776	1.24	40.7	220.148148	213.2
1.2	2.20E+00	1.400	1.300	1.151	1.068	36.200	192.2	13.99047	778	1.24	41.5	220.475656	213.2
1.2	2.20E+00	1.400	1.300	1.151	1.069	33.100	192.2	14.08935	778	1.24	40.8	222.270769	213.2
1.6	2.20E+00	1.400	1.300	1.151	1.069	36.600	192.2	14.17579	779	1.86	40.8	223.408663	213.2
1.6	2.10E+00	1.300	1.300	1.070	1.069	33.600	192.2	14.27	780	1.24	40.7	223.255385	213.2
2	2.10E+00	1.300	1.300	1.069	1.069	35.600	192.2	14.15773	779	1.24	40.5	223.217959	213.2
1.4	2.10E+00	1.300	1.300	1.069	1.069	34.600	192.2	14.12498	779	1.24	41.2	223.193195	213.2
1.4	2.10E+00	1.300	1.300	1.069	1.069	40.000		14.14591	778	1.289	41.5	222.578464	213.2
1.4	2.10E+00	1.300	1.300	1.069	1.069	40.200		14.80017	780	1.91	40.9	222.53626	213.2
1.7	2.10E+00	1.300	1.300	1.069	1.069	36.100		15.30328	783	2.529	38.1	222.555684	213.2
1.8	2.20E+00	1.400	1.300	1.149	1.069	38.500		14.68548	756	3.11	35.7	222.686172	212.419203
2.9	2.20E+00	1.400	1.300	1.152	1.070	35.800		15.877	812	3.171	38.3	221.797143	212
2.9	2.20E+00	1.400	1.300	1.154	1.072	37.000	192.2	18.45385	1102	4.388	57.6	221.619074	214.310686
3.6	2.20E+00	1.400	1.300	1.153	1.070	35.100	192.2	22.08399	1304	5.615	64.7	222.584787	220.0807
3.7	2.20E+00	1.400	1.300	1.143	1.062	35.700	192.2	24.69515	1438	6.221	48.1	224.187905	224.737586
5.8	2.20E+00	1.400	1.300	1.135	1.054	38.200	192.2	34.63705	1748	8.103	64.9	224.854898	234.899898

0.33079	0.18605	3.68156	7246.282
0.33087	0.18658	3.68551	7249.191
0.33095	0.1871	3.68847	7252.349
0.33101	0.18747	3.69015	7254.697
0.33106	0.18777	3.69136	7256.411
0.33111	0.18803	3.6926	7257.933
0.33116	0.1883	3.69346	7259.135
0.33121	0.18856	3.69433	7260.056
0.33126	0.18881	3.69559	7260.73
0.33131	0.18905	3.69721	7261.342
0.33136	0.18929	3.69888	7261.985
0.33141	0.18953	3.70038	7262.631
0.33146	0.18975	3.70172	7263.288
0.33151	0.18998	3.70311	7263.965
0.33156	0.19021	3.70448	7264.693
0.33161	0.19045	3.7058	7265.455
0.33166	0.19068	3.70711	7266.233
0.33171	0.19092	3.70843	7267.11
0.33176	0.19117	3.70996	7268.069
0.33181	0.19141	3.71152	7269.086
0.33186	0.19166	3.71309	7270.135
0.33191	0.19189	3.71466	7271.187
0.33196	0.19213	3.71623	7272.241
0.33201	0.19236	3.71781	7273.301
0.33206	0.19259	3.71939	7274.36
0.33211	0.19283	3.72097	7275.43
0.33216	0.19307	3.72261	7276.602
0.33221	0.19333	3.72418	7277.767
0.33226	0.19356	3.72565	7278.866
0.33231	0.19379	3.72706	7279.99
0.33236	0.19402	3.72838	7281.147
0.33241	0.19424	3.72968	7282.289
0.33246	0.19448	3.73098	7283.42
0.33251	0.1947	3.73234	7284.528
0.33256	0.19495	3.73378	7285.638
0.33261	0.19518	3.73521	7286.746
0.33266	0.19542	3.73664	7287.852
0.33271	0.19565	3.73807	7288.963
0.33276	0.19592	3.7395	7290.073
0.33281	0.19621	3.74103	7291.266
0.33286	0.19647	3.74256	7292.458
0.33291	0.19674	3.74408	7293.64
0.33297	0.19702	3.74576	7294.917
0.33304	0.19735	3.74767	7296.317
0.33312	0.19772	3.75027	7298.006
0.33321	0.19818	3.75334	7300.449
0.33333	0.19879	3.75639	7303.87

10:38:23.351	-8	0.00011	0.00054	0.00282	3.591	0.000348
10:38:24.351	-8	0.00006	0.00032	0.00111	1.961	0.00019
10:38:25.351	-8	0.00006	0.00028	0.00103	1.811	0.000175
10:38:26.351	-8	0.00005	0.00026	0.00079	1.432	0.000139
10:38:27.351	-8	0.00005	0.00025	0.00072	1.036	0.0001
10:38:28.351	-8	0.00005	0.00023	0.00099	0.762	0.000074
10:38:29.351	-8	0.00005	0.00023	0.00156	0.622	0.000061
10:38:30.351	-8	0.00005	0.00022	0.00137	0.591	0.000057
10:38:31.351	-8	0.00005	0.00023	0.00141	0.606	0.000059
10:38:32.351	-8	0.00005	0.00023	0.0015	0.708	0.000069
10:38:33.351	-8	0.00005	0.00025	0.00142	0.804	0.000078
10:38:34.351	-8	0.00005	0.00024	0.00127	0.82	0.00008
10:38:35.351	-8	0.00005	0.00023	0.0013	0.84	0.000082
10:38:36.351	-8	0.00005	0.00024	0.00133	0.859	0.000083
10:38:37.351	-8	0.00005	0.00023	0.00175	0.867	0.000084
10:38:38.351	-8.2	0.00005	0.00026	0.0018	0.882	0.000086
10:38:39.351	-8.8	0.00005	0.00024	0.00166	0.898	0.000087
10:38:40.351	-8	0.00005	0.00025	0.00156	0.889	0.000086
10:38:41.351	-8	0.00005	0.00025	0.00158	0.88	0.000085
10:38:42.351	-8	0.00005	0.00025	0.00154	0.841	0.000082
10:38:43.351	-8	0.00005	0.00025	0.00152	0.819	0.00008
10:38:44.351	-8	0.00004	0.00022	0.00152	0.769	0.000075
10:38:45.351	-8	0.00004	0.00024	0.0016	0.755	0.000073
10:38:46.351	-8	0.00004	0.00022	0.00159	0.766	0.000074
10:38:47.351	-8.2	0.00005	0.00023	0.00157	0.835	0.000081
10:38:48.351	-8.8	0.00005	0.00023	0.00156	0.935	0.000091
10:38:49.351	-8	0.00005	0.00023	0.00127	1.018	0.000099
10:38:50.351	-8	0.00005	0.00024	0.00117	1.058	0.000103
10:38:51.351	-8	0.00005	0.00024	0.0013	1.089	0.000106
10:38:52.351	-8	0.00005	0.00026	0.00151	1.134	0.00011
10:38:53.351	-8	0.00005	0.00026	0.00154	1.158	0.000112
10:38:54.351	-8	0.00005	0.00026	0.00151	1.149	0.000111
10:38:55.351	-8.2	0.00005	0.00026	0.00154	1.201	0.000117
10:38:56.351	-9	0.00005	0.00025	0.00152	1.222	0.000119
10:38:57.351	-9	0.00005	0.00027	0.00152	1.242	0.00012
10:38:58.351	-9	0.00005	0.00025	0.00152	1.239	0.00012
10:38:59.351	-9	0.00005	0.00027	0.00153	1.203	0.000117
10:39:00.351	-9	0.00005	0.00025	0.00152	1.116	0.000108
10:39:01.351	-9	0.00005	0.00026	0.00174	1.058	0.000103
10:39:02.351	-9	0.00005	0.00026	0.00146	1.037	0.000101
10:39:03.351	-9	0.00005	0.00025	0.00124	0.97	0.000094
10:39:04.351	-9	0.00005	0.00026	0.00141	0.947	0.000092
10:39:05.351	-9	0.00005	0.00024	0.00144	0.949	0.000092
10:39:06.351	-9	0.00005	0.00027	0.00155	0.922	0.00009
10:39:07.351	-9	0.00005	0.00025	0.00155	0.887	0.000086
10:39:08.351	-9	0.00005	0.00026	0.00153	0.864	0.000084
10:39:09.351	-9	0.00005	0.00024	0.00149	0.838	0.000081

5.9	2.20E+00	1.400	1.300	1.127	1.047	35.700	192.2	30.88824	1469	9.31	50.4	227.942667	245.244086
8.2	2.20E+00	1.400	1.300	1.125	1.045	39.100	192.2	14.74189	1081	9.94	22.5	225.832308	243.787486
8.3	2.20E+00	1.400	1.300	1.128	1.047	36.100	192.2	17.05063	1010	9.73	14.7	226.146698	233.874187
10.7	2.20E+00	1.400	1.300	1.138	1.056	36.600	192.2	13.46769	881	8.975	14.9	224.137765	224.116872
9.7	2.20E+00	1.400	1.300	1.156	1.073	35.900	192.2	13.82718	811	8.229	19.7	222.576903	217.145
9.7	2.30E+00	1.400	1.300	1.168	1.085	34.800	192.2	13.54776	822	7.475	26.1	220.836864	211.741328
9.6	2.30E+00	1.400	1.300	1.175	1.091	34.400		14.15269	804	6.249	31.7	220.560387	207.437303
8.2	2.30E+00	1.400	1.300	1.177	1.093	32.500		14.57744	832	5.026	32.7	220.520588	206.133668
5.6	2.20E+00	1.400	1.200	1.175	1.008	35.100		13.7964	772	4.35	31.4	219.333636	204.176946
5.6	2.20E+00	1.400	1.200	1.171	1.004	33.100		15.12452	775	3.73	31.7	218.739796	203.54224
5.6	2.20E+00	1.400	1.200	1.167	1.001	35.100		15.1311	777	3.73	31.8	218.923878	202.3786
4.3	2.20E+00	1.400	1.200	1.167	1.000	34.100	192.2	15.13	808	3.73	32.5	219.692057	201.689126
3.9	2.10E+00	1.300	1.200	1.084	1.000	31.800	192.2	15.50235	811	3.73	33.6	216.627431	201.1
3.9	2.10E+00	1.300	1.200	1.084	1.000	31.600	192.2	15.6349	832	3.73	34.9	215.907143	201.209529
3.9	2.10E+00	1.300	1.200	1.083	1.000	31.100	192.2	15.87179	844	3.73	34	211.956604	201.51197
3.9	2.10E+00	1.300	1.200	1.082	0.998	35.200	192.2	15.738	833	3.73	32.1	211.642857	200.886087
3.9	2.10E+00	1.300	1.200	1.080	0.997	33.200	192.2	15.48851	836	3.73	33	211.46519	200.698612
4	2.00E+00	1.300	1.100	1.081	0.915	35.000	192.2	15.61818	824	3.73	32.1	212.186061	200.716519
4	2.00E+00	1.300	1.100	1.082	0.916	34.700	192.2	15.47996	816	3.73	32.1	211.846122	199.495556
4.1	2.00E+00	1.300	1.100	1.083	0.916	34.600	192.2	15.08245	786	3.73	30.9	210.989351	198.185217
4	2.00E+00	1.300	1.100	1.083	0.917	35.900	192.2	14.88224	777	3.11	32.6	210.016359	197.4
4	2.00E+00	1.300	1.100	1.084	0.917	33.100	192.2	13.63574	772	3.11	35.5	213.567293	197.708387
3.7	2.00E+00	1.300	1.100	1.085	0.918	35.500	192.2	14.37035	806	1.938	42.7	214.353417	199.4859
3.7	2.00E+00	1.400	1.000	1.167	0.834	33.100	192.2	14.35673	790	0.62	40.7	215.581712	201.668369
3.6	2.10E+00	1.400	1.100	1.163	0.912	34.500	192.2	14.35613	782	0	40	216.477273	202.80132
0	2.10E+00	1.400	1.100	1.156	0.909	35.300	192.2	14.12237	778	0	40.3	220.9	204.022927
0	2.10E+00	1.500	1.000	1.237	0.824	34.800	192.2	14.06738	782	0	40.4	218.865	205.440717
0	2.10E+00	1.500	1.100	1.235	0.903	36.100	192.2	13.94313	778	0	40.2	219.208333	206.16396
0	2.10E+00	1.500	1.000	1.233	0.823	34.600	192.2	14.33197	797	0	39.8	218.150897	206.877835
0	2.10E+00	1.500	1.000	1.234	0.823	37.300	192.2	14.46243	781	0	43.2	217.906429	207.01998
0	2.10E+00	1.500	1.000	1.234	0.823	35.900	192.2	15.5337	868	0.557	43.4	217.995031	209.416487
0.1	2.10E+00	1.500	1.000	1.233	0.822	36.500	192.2	14.36788	779	0.62	44.1	218.238367	210.011868
1.2	2.10E+00	1.500	1.000	1.231	0.821	36.700	192.2	15.63341	874	1.266	44.3	217.707407	211.279919
1.2	2.10E+00	1.500	1.100	1.228	0.900	35.100	192.2	14.71659	785	1.883	40	217.769826	211.916035
2.3	2.10E+00	1.500	1.100	1.227	0.899	38.100	192.2	15.05234	779	2.48	37.1	217.462404	211.097068
2.3	2.10E+00	1.500	1.100	1.227	0.899	34.600		14.60978	756	3.11	36.8	216.76898	209.796432
3.3	2.10E+00	1.500	1.100	1.229	0.901	38.100		15.2015	775	3.11	35.8	216.113854	208.613204
3.3	2.10E+00	1.500	1.100	1.233	0.904	35.300		14.86	783	3.11	34.4	216.269358	207.866667
3.7	2.10E+00	1.500	1.100	1.236	0.906	36.800		14.86395	785	3.11	33.9	215.480652	206.009198
3.7	2.10E+00	1.500	1.100	1.239	0.908	35.300		15.45708	821	3.17	34.7	215.307143	204.812071
3.8	2.20E+00	1.500	1.100	1.241	0.910	35.200	192.2	15.31432	803	3.73	33.7	215.350104	203.984396
3.8	2.20E+00	1.500	1.100	1.242	0.911	35.400	192.2	15.18057	810	3.73	32.5	211.939241	202.1242
3.8	2.20E+00	1.500	1.100	1.243	0.911	33.100	192.2	15.38855	806	3.73	33.2	209.987875	200.693774
3.9	2.20E+00	1.500	1.100	1.244	0.912	36.600	192.2	15.34781	819	3.73	34.4	212.97217	199.9
3.9	2.20E+00	1.500	1.100	1.245	0.913	34.200		15.0388	802	3.73	32.5	214.46875	199.097722
3.9	2.20E+00	1.500	1.100	1.246	0.914	36.100		14.97672	782	3.73	32.2	213.995745	197.821264
3.9	2.20E+00	1.600	1.100	1.329	0.914	35.300		15.0063	774	3.11	33.1	213.03871	196.633792

0.33344	0.19933	3.75921	7307.461
0.3335	0.19965	3.76032	7309.422
0.33356	0.19993	3.76135	7311.233
0.33361	0.20019	3.76214	7312.665
0.33366	0.20044	3.76286	7313.701
0.33371	0.20067	3.76385	7314.463
0.33376	0.2009	3.76541	7315.085
0.33381	0.20112	3.76678	7315.676
0.33386	0.20135	3.76819	7316.282
0.33391	0.20158	3.76969	7316.99
0.33396	0.20183	3.77111	7317.794
0.33401	0.20207	3.77238	7318.614
0.33406	0.2023	3.77368	7319.454
0.33411	0.20254	3.77501	7320.313
0.33416	0.20277	3.77676	7321.18
0.33421	0.20303	3.77856	7322.062
0.33426	0.20327	3.78022	7322.96
0.33431	0.20352	3.78178	7323.849
0.33436	0.20377	3.78336	7324.729
0.33441	0.20402	3.7849	7325.57
0.33446	0.20427	3.78642	7326.389
0.3345	0.20449	3.78794	7327.158
0.33454	0.20473	3.78954	7327.913
0.33458	0.20495	3.79113	7328.679
0.33463	0.20518	3.7927	7329.514
0.33468	0.20541	3.79426	7330.449
0.33473	0.20564	3.79553	7331.467
0.33478	0.20588	3.7967	7332.525
0.33483	0.20612	3.798	7333.614
0.33488	0.20638	3.79951	7334.748
0.33493	0.20664	3.80105	7335.906
0.33498	0.2069	3.80256	7337.055
0.33503	0.20716	3.8041	7338.256
0.33508	0.20741	3.80562	7339.478
0.33513	0.20768	3.80714	7340.72
0.33518	0.20793	3.80866	7341.959
0.33523	0.2082	3.81019	7343.162
0.33528	0.20845	3.81171	7344.278
0.33533	0.20871	3.81345	7345.336
0.33538	0.20897	3.81491	7346.373
0.33543	0.20922	3.81615	7347.343
0.33548	0.20948	3.81756	7348.29
0.33553	0.20972	3.819	7349.239
0.33558	0.20999	3.82055	7350.161
0.33563	0.21024	3.8221	7351.048
0.33568	0.2105	3.82363	7351.912
0.33573	0.21074	3.82512	7352.75

10:39:10.351	-9	0.00005	0.00023	0.00147	0.787	0.000076
10:39:11.351	-9	0.00005	0.00025	0.0016	0.79	0.000077
10:39:12.351	-9	0.00005	0.00022	0.00157	0.793	0.000077
10:39:13.351	-9	0.00005	0.00024	0.00146	0.849	0.000083
10:39:14.351	-9	0.00005	0.00023	0.00149	0.946	0.000092
10:39:15.351	-9	0.00005	0.00025	0.00155	1.03	0.0001
10:39:16.351	-9	0.00005	0.00024	0.00152	1.075	0.000104
10:39:17.351	-9	0.00005	0.00024	0.00143	1.088	0.000106
10:39:18.351	-9	0.00005	0.00026	0.00143	1.089	0.000106
10:39:19.351	-9	0.00005	0.00023	0.00143	1.086	0.000105
10:39:20.351	-9	0.00005	0.00026	0.00144	1.088	0.000106
10:39:21.351	-9	0.00005	0.00024	0.00147	1.112	0.000108
10:39:22.351	-9	0.00006	0.00027	0.0016	1.207	0.000117
10:39:23.351	-9	0.00005	0.00027	0.00155	1.171	0.000114
10:39:24.351	-9	0.00005	0.00024	0.00145	1.125	0.000109
10:39:25.351	-9	0.00005	0.00027	0.0015	1.197	0.000116
10:39:26.351	-9	0.00006	0.00026	0.0015	1.295	0.000126
10:39:27.351	-9	0.00006	0.00031	0.0016	1.377	0.000134
10:39:28.351	-9	0.00006	0.00029	0.00172	1.371	0.000133
10:39:29.351	-9	0.00007	0.00034	0.00184	1.583	0.000154
10:39:30.351	-9	0.0001	0.00051	0.00335	2.63	0.000255
10:39:31.351	-9	0.00013	0.00065	0.00412	4.002	0.000388
10:39:32.351	-9	0.00014	0.0007	0.00305	4.483	0.000434
10:39:33.351	-8.8	0.00006	0.00027	0.00101	1.804	0.000175
10:39:34.351	-8.2	0.00004	0.00021	0.00084	1.426	0.000138
10:39:35.351	-9	0.00005	0.0002	0.00083	1.393	0.000135
10:39:36.351	-9	0.00006	0.00029	0.00104	1.616	0.000157
10:39:37.351	-9	0.00007	0.00031	0.00084	1.21	0.000117
10:39:38.351	-9	0.00009	0.00038	0.00131	1.114	0.000108
10:39:39.351	-9	0.0001	0.0005	0.00292	1.345	0.000131
10:39:40.351	-9	0.0001	0.00046	0.00402	2.311	0.000224
10:39:41.351	-9	0.00009	0.00046	0.00337	2.748	0.000266
10:39:42.351	-9	0.00009	0.00044	0.00224	2.856	0.000277
10:39:43.351	-9	0.00009	0.00043	0.00208	2.525	0.000245
10:39:44.351	-9	0.00007	0.00037	0.00183	2.03	0.000197
10:39:45.351	-9	0.00005	0.00025	0.00121	1.266	0.000123
10:39:46.351	-9	0.00008	0.00039	0.00147	1.521	0.000148
10:39:47.351	-9	0.00009	0.0004	0.00149	1.289	0.000125
10:39:48.351	-9	0.00009	0.00046	0.00211	1.33	0.000129
10:39:49.351	-9	0.00011	0.00054	0.00252	2.161	0.00021
10:39:50.351	-9	0.00013	0.00069	0.00406	3.633	0.000352
10:39:51.351	-9	0.00009	0.00047	0.00277	3.022	0.000293
10:39:52.351	-9	0.00007	0.00036	0.00148	2.462	0.000238
10:39:53.351	-9	0.00006	0.00032	0.00117	1.631	0.000158
10:39:54.351	-9	0.00005	0.00023	0.00073	0.97	0.000094
10:39:55.351	-9	0.00006	0.00031	0.00079	0.871	0.000085
10:39:56.351	-9	0.00007	0.00032	0.00131	0.677	0.000066

3.9	2.20E+00	1.600	1.100	1.330	0.915	34.100		13.63594	763	3.035	37.6	212.78391	196.2
3.9	2.20E+00	1.600	1.100	1.331	0.915	36.900		14.56985	805	1.86	41.9	212.745558	197.745562
3.5	2.20E+00	1.600	1.100	1.330	0.914	33.100	192.2	14.1272	781	1.835	41.6	212.903571	199.779883
2.1	2.20E+00	1.600	1.100	1.326	0.912	35.900	192.2	14.08689	774	1.24	41.5	213.819792	201.294788
2.1	2.20E+00	1.600	1.100	1.321	0.908	34.300	192.2	14.31406	784	0	41.1	214.45	202.173307
0.6	2.20E+00	1.600	1.100	1.316	0.905	37.000	192.2	14.17974	779	0	40.3	215.282353	203.313636
0.6	2.20E+00	1.600	1.100	1.313	0.903	35.900	192.2	14.19752	778	0	40.2	217.445873	203.6
0	2.20E+00	1.600	1.100	1.313	0.903	35.900	192.2	14.0421	777	0	40.2	215.6275	204.174862
0	2.20E+00	1.600	1.100	1.313	0.903	38.300	192.2	14.10256	774	0	40.6	214.991754	204.922741
0	2.20E+00	1.600	1.100	1.313	0.903	34.400	192.2	14.31723	784	0	40.8	215.33815	205.5
0	2.20E+00	1.600	1.100	1.314	0.903	38.000	192.2	14.09754	782	0	40.4	215.372417	205.516136
0	2.20E+00	1.600	1.100	1.314	0.903	35.400	192.2	14.188	782	0	40.4	214.725	206.2
0	2.20E+00	1.600	1.100	1.314	0.903	36.600	192.2	15.44664	887	0.131	43.4	213.579633	206.552404
0	2.20E+00	1.600	1.100	1.313	0.903	36.700	192.2	15.33523	868	0.73	43.8	214.269939	208.321
0	2.20E+00	1.600	1.100	1.312	0.902	35.300	192.2	14.07368	785	1.24	41.7	214.245	209.4
0	2.20E+00	1.600	1.100	1.310	0.901	37.900	192.2	15.26585	771	1.675	39.7	213.640385	209.110738
1.7	2.30E+00	1.600	1.200	1.309	0.981	34.900	192.2	15.35883	787	2.48	37.8	213.280921	208.7
2.8	2.30E+00	1.600	1.200	1.310	0.982	38.600	192.2	16.29319	903	3.11	41.2	213.132231	209.274656
2.8	2.30E+00	1.600	1.200	1.312	0.984	35.700	192.2	16.46014	1011	4.127	46.1	213.496085	210.813559
2.9	2.30E+00	1.600	1.200	1.311	0.983	35.700	192.2	18.4281	1156	4.814	57.8	214.785901	213.470513
4.3	2.30E+00	1.600	1.200	1.302	0.977	36.800	192.2	25.70848	1451	6.301	68.7	216.138327	222.403552
4.4	2.30E+00	1.600	1.200	1.288	0.966	36.900	192.2	40.16413	1812	8.145	67.5	218.552023	240.070929
6.6	2.30E+00	1.700	1.200	1.357	0.958	39.800	192.2	37.45841	1561	10.137	57.9	220.217658	253.382418
10.4	2.30E+00	1.700	1.200	1.360	0.960	37.100	192.2	21.3474	1386	11.18	41.5	221.296532	255.8
10.4	2.40E+00	1.800	1.200	1.439	0.960	37.700	192.2	9.65063	1004	10.866	6	216.694589	247.077584
10.5	2.50E+00	1.900	1.200	1.519	0.960	35.700	192.2	8.66388	937	10.228	12.8	216.926981	236.977093
11.7	2.50E+00	1.900	1.200	1.537	0.971	37.400	192.2	16.70865	854	9.31	14.2	216.252115	227.407407
11.6	2.60E+00	1.900	1.200	1.563	0.987	39.400	192.2	15.05662	849	8.69	19.5	215.989438	218.85035
10	2.60E+00	1.900	1.200	1.583	1.000	38.100	192.2	18.70605	1113	8.381	40.3	215.189623	214.485559
9.9	2.40E+00	1.800	1.100	1.503	0.920	38.700	192.2	26.67391	1381	9.036	73	215.07439	224.796834
8.8	2.30E+00	1.700	1.100	1.388	0.897	36.400	192.2	30.75953	1471	10.383	58.5	216.351227	238.566124
11	2.30E+00	1.700	1.100	1.368	0.885	38.100	192.2	25.27728	1446	11.601	47.5	215.875502	241.15098
11	2.30E+00	1.700	1.200	1.366	0.964	35.700	192.2	25.33857	1507	12.282	53.7	217.6968	243.278495
11.1	2.30E+00	1.700	1.200	1.370	0.967	38.000	192.2	22.22699	1462	12.42	41.4	216.390918	240.727334
12.7	2.30E+00	1.700	1.200	1.375	0.970	38.100	192.2	21.1715	1437	12.42	30.1	216.241583	233.814067
12.7	2.40E+00	1.700	1.200	1.386	0.978	37.000	192.2	10.31045	1157	11.8	19.7	214.743125	225.119646
13.1	2.50E+00	1.800	1.200	1.479	0.987	39.500		20.0556	1141	11.18	19.1	213.48904	216.806294
13	2.50E+00	1.800	1.200	1.495	0.997	37.500		22.80145	1350	10.742	34.5	214.5	215.186752
11.7	2.30E+00	1.700	1.100	1.413	0.914	41.600		23.29425	1385	11.18	49.8	213.471503	217.427672
11.7	2.30E+00	1.700	1.100	1.398	0.905	38.700		27.23541	1518	11.8	66.4	214.180838	223.74268
11.7	2.30E+00	1.700	1.100	1.376	0.890	39.600		40.34406	1712	13.31	68.7	215.467653	243.840607
11.8	2.20E+00	1.700	1.100	1.357	0.878	39.600	192.2	20.39257	1524	14.28	39	214.693373	253.577723
13.6	2.20E+00	1.700	1.100	1.359	0.879	36.800	192.2	17.29959	874	14.28	11.8	217.33875	243.754667
13.6	2.30E+00	1.700	1.100	1.376	0.890	40.600	192.2	12.52742	1030	12.998	11.3	217.519751	231.907317
14.8	2.30E+00	1.700	1.100	1.396	0.904	38.100	192.2	13.10247	1085	11.736	6.6	215.2775	222.333333
14.7	2.30E+00	1.700	1.100	1.416	0.916	40.700	192.2	12.92165	994	10.56	11.9	212.813912	214.518217
12.5	2.40E+00	1.700	1.100	1.430	0.925	37.600	192.2	15.57188	1243	9.94	29.4	211.249284	210.148681

0.33578	0.21097	3.82659	7353.537
0.33583	0.21122	3.82819	7354.327
0.33588	0.21144	3.82976	7355.12
0.33593	0.21168	3.83122	7355.969
0.33598	0.21191	3.83271	7356.915
0.33603	0.21216	3.83426	7357.945
0.33608	0.2124	3.83578	7359.02
0.33613	0.21264	3.83721	7360.108
0.33618	0.2129	3.83864	7361.197
0.33623	0.21313	3.84007	7362.283
0.33628	0.21339	3.84151	7363.371
0.33633	0.21363	3.84298	7364.483
0.33639	0.2139	3.84458	7365.69
0.33644	0.21417	3.84613	7366.861
0.33649	0.21441	3.84758	7367.986
0.33654	0.21468	3.84908	7369.183
0.3366	0.21494	3.85058	7370.478
0.33666	0.21525	3.85218	7371.855
0.33672	0.21554	3.8539	7373.226
0.33679	0.21588	3.85574	7374.809
0.33689	0.21639	3.85909	7377.439
0.33702	0.21704	3.86321	7381.441
0.33716	0.21774	3.86626	7385.924
0.33722	0.21801	3.86727	7387.728
0.33726	0.21822	3.86811	7389.154
0.33731	0.21842	3.86894	7390.547
0.33737	0.21871	3.86998	7392.163
0.33744	0.21902	3.87082	7393.373
0.33753	0.2194	3.87213	7394.487
0.33763	0.2199	3.87505	7395.832
0.33773	0.22036	3.87907	7398.143
0.33782	0.22082	3.88244	7400.891
0.33791	0.22126	3.88468	7403.747
0.338	0.22169	3.88676	7406.272
0.33807	0.22206	3.88859	7408.302
0.33812	0.22231	3.8898	7409.568
0.3382	0.2227	3.89127	7411.089
0.33829	0.2231	3.89276	7412.378
0.33838	0.22356	3.89487	7413.708
0.33849	0.2241	3.89739	7415.869
0.33862	0.22479	3.90145	7419.502
0.33871	0.22526	3.90422	7422.524
0.33878	0.22562	3.9057	7424.986
0.33884	0.22594	3.90687	7426.617
0.33889	0.22617	3.9076	7427.587
0.33895	0.22648	3.90839	7428.458
0.33902	0.2268	3.9097	7429.135

10:39:57.351	-9	0.00008	0.00038	0.00226	0.672	0.000065
10:39:58.351	-9	0.00006	0.00029	0.00197	0.667	0.000065
10:39:59.351	-9	0.00006	0.00024	0.00148	0.767	0.000075
10:40:00.351	-9	0.00005	0.00025	0.00186	0.887	0.000086
10:40:01.351	-9	0.00005	0.00023	0.00159	0.885	0.000086
10:40:02.351	-9	0.00005	0.00024	0.00134	0.743	0.000072
10:40:03.351	-9	0.00005	0.00022	0.00133	0.626	0.000061
10:40:04.351	-9	0.00006	0.00024	0.00151	0.664	0.000065
10:40:05.351	-9	0.00006	0.00028	0.00155	0.82	0.00008
10:40:06.351	-9	0.00007	0.00033	0.00169	1.038	0.000101
10:40:07.351	-9	0.0001	0.00048	0.00276	1.719	0.000167
10:40:08.351	-9	0.00013	0.0006	0.00419	3.136	0.000304
10:40:09.351	-9	0.00011	0.00053	0.00298	3.31	0.000321
10:40:10.351	-9	0.0001	0.0004	0.00168	2.611	0.000253
10:40:11.351	-9	0.00011	0.00043	0.00197	2.37	0.00023
10:40:12.351	-9	0.00011	0.00045	0.0026	2.414	0.000234
10:40:13.351	-8.8	0.00012	0.00049	0.00266	2.753	0.000267
10:40:14.351	-8.2	0.00011	0.00048	0.00201	2.644	0.000256
10:40:15.351	-9	0.00007	0.00029	0.00104	1.663	0.000161
10:40:16.351	-9	0.00005	0.00023	0.00071	1.119	0.000108
10:40:17.351	-9	0.00005	0.00019	0.00084	0.873	0.000085
10:40:18.351	-9	0.00007	0.00027	0.00108	1.046	0.000101
10:40:19.351	-9	0.00007	0.0003	0.00105	0.88	0.000085
10:40:20.351	-9	0.00007	0.0003	0.00129	0.698	0.000068
10:40:21.351	-9	0.00008	0.00033	0.00162	0.617	0.00006
10:40:22.351	-9	0.00008	0.00031	0.00183	0.627	0.000061
10:40:23.351	-9	0.0001	0.00041	0.00247	1.026	0.0001
10:40:24.351	-9	0.00015	0.00059	0.00451	2.649	0.000257
10:40:25.351	-9	0.00021	0.00089	0.00582	5.282	0.000512
10:40:26.351	-9	0.00024	0.0009	0.00482	6.472	0.000626
10:40:27.351	-8.7	0.0003	0.00085	0.00373	6.491	0.000628
10:40:28.351	-8	0.0004	0.00096	0.00405	7.775	0.000752
10:40:29.351	-8	0.00052	0.0009	0.00449	8.559	0.000827
10:40:30.351	-8.3	0.00048	0.00074	0.00245	6.359	0.000615
10:40:31.351	-9	0.0004	0.00049	0.00218	4.13	0.000399
10:40:32.351	-9	0.00022	0.00029	0.00133	2.11	0.000204
10:40:33.351	-9	0.00019	0.00028	0.00101	1.654	0.00016
10:40:34.351	-9	0.00014	0.00025	0.00059	1.169	0.000113
10:40:35.351	-9	0.00011	0.00026	0.00051	0.813	0.000079
10:40:36.351	-9	0.00014	0.00033	0.0012	0.811	0.000079
10:40:37.351	-9	0.00012	0.00034	0.00124	0.602	0.000059
10:40:38.351	-9	0.00008	0.00024	0.00118	0.468	0.000046
10:40:39.351	-9	0.00006	0.00021	0.00138	0.581	0.000057
10:40:40.351	-9	0.00006	0.0002	0.00144	0.759	0.000074
10:40:41.351	-9	0.00006	0.00019	0.00096	0.811	0.000079
10:40:42.351	-9	0.0001	0.00036	0.00152	1.066	0.000104
10:40:43.351	-9	0.00009	0.00028	0.0011	0.586	0.000057

12.4	2.40E+00	1.700	1.100	1.435	0.929	37.000
10.9	2.40E+00	1.700	1.100	1.428	0.924	35.700
10.7	2.30E+00	1.700	1.100	1.419	0.918	33.000
10.7	2.30E+00	1.700	1.100	1.411	0.913	35.600
10.6	2.30E+00	1.700	1.100	1.409	0.912	32.800
8.6	2.30E+00	1.700	1.100	1.418	0.917	34.900
8.5	2.30E+00	1.700	1.100	1.425	0.922	32.500
6.2	2.30E+00	1.700	1.100	1.424	0.921	34.200
5.3	2.30E+00	1.700	1.100	1.420	0.919	35.400
5.3	2.30E+00	1.700	1.100	1.417	0.917	34.700
5.3	2.30E+00	1.700	1.100	1.407	0.910	38.100
5.2	2.40E+00	1.800	1.100	1.466	0.896	36.400
8.1	2.60E+00	1.900	1.300	1.520	1.040	39.100
8.2	2.80E+00	2.100	1.400	1.682	1.122	37.100
10.5	2.80E+00	2.100	1.400	1.700	1.133	38.500
10.6	2.80E+00	2.100	1.400	1.702	1.135	38.300
11.9	2.90E+00	2.200	1.400	1.775	1.130	39.300
11.9	2.90E+00	2.200	1.400	1.771	1.127	42.100
11.9	2.80E+00	2.100	1.400	1.694	1.129	38.600
13	2.80E+00	2.100	1.400	1.704	1.136	41.000
12.2	2.90E+00	2.100	1.400	1.715	1.143	38.500
12.2	2.90E+00	2.100	1.400	1.729	1.153	39.600
12.1	2.90E+00	2.100	1.400	1.746	1.164	40.200
10.1	2.90E+00	2.100	1.400	1.760	1.173	39.200
10	2.90E+00	2.100	1.400	1.767	1.178	41.700
8.6	2.90E+00	2.100	1.400	1.768	1.178	37.600
8.2	2.90E+00	2.100	1.400	1.756	1.171	39.800
8.2	2.90E+00	2.100	1.400	1.722	1.148	37.100
8.3	2.80E+00	2.100	1.400	1.687	1.125	39.300
10.1	3.10E+00	2.400	1.500	1.905	1.191	38.000
10.3	3.90E+00	3.400	1.500	2.689	1.189	36.800
14.7	4.60E+00	4.300	1.500	3.397	1.186	36.400
18.5	5.70E+00	5.800	1.500	4.544	1.179	32.900
18.7	6.90E+00	7.300	1.500	5.737	1.181	35.800
22.8	8.40E+00	9.200	1.500	7.259	1.186	33.700
22.8	8.60E+00	9.300	1.500	7.393	1.193	36.200
22.8	8.20E+00	8.700	1.500	6.998	1.205	39.100
23.7	6.70E+00	6.700	1.500	5.475	1.224	38.800
22.1	5.40E+00	5.000	1.500	4.154	1.244	40.200
22	4.50E+00	4.000	1.400	3.359	1.174	36.200
20.8	4.00E+00	3.400	1.400	2.868	1.182	37.900
20.8	3.60E+00	2.900	1.400	2.447	1.181	35.100
20.8	3.30E+00	2.500	1.400	2.091	1.171	36.400
20.5	3.10E+00	2.400	1.400	1.983	1.157	36.200
18.5	3.10E+00	2.400	1.400	1.979	1.154	35.000
18.4	3.20E+00	2.400	1.400	1.999	1.166	38.100
16.8	3.20E+00	2.400	1.400	2.024	1.181	33.600

192.2	21.19	1186	9.94	45.8	210.317418	207.383173
192.2	16.83548	1233	9.94	43	211.228542	209.27046
192.2	18.77833	927	9.01	16.7	209.999716	207.085092
192.2	14.34827	827	7.721	24.5	207.487692	201.964835
192.2	14.3729	804	7.017	28.5	206.363077	198.457175
192.2	14.69729	822	5.628	34.7	206.82	197.707826
192.2	14.47137	812	4.97	31.7	207.553846	197.61931
192.2	14.92797	776	4.746	30.7	209.231862	197.4
192.2	15.23902	830	4.35	34.9	208.548204	196.947801
192.2	19.74937	1198	4.97	50.6	208.898266	201.906827
192.2	24.2046	1395	5.983	63.2	209.733397	210.361239
192.2	38.70188	1762	7.951	69.9	210.730705	228.592067
192.2	32.75401	1597	9.157	47.7	215.148293	243.658076
192.2	18.55182	1219	9.94	44.4	215.76	240.030029
192.2	21.63615	1328	10.501	67	215.340125	240.743426
192.2	25.96438	1428	11.18	65.6	216.073904	245.138036
192.2	27.35322	1497	11.8	52.2	219.91847	246.352614
192.2	22.23147	1457	12.42	37.9	224.354737	244.462222
192.2	15.983	1345	11.8	33.3	224.393762	235.900659
192.2	9.33119	1023	11.391	11.1	218.213462	226.315385
192.2	8.45462	961	10.56	13.6	215.092913	219.419535
192.2	15.93838	867	9.34	23.9	212.492871	213.281845
192.2	14.93142	825	8.594	18.3	210.72	207.356604
192.2	15.52793	811	8.07	23.5	210.066507	202.665816
192.2	16.79908	934	7.45	31.8	210.937788	200.692157
192.2	16.97836	1052	7.93	47.6	209.322051	201.68885
192.2	20.80939	1255	8.656	69.3	210.9842	210.816817
192.2	35.70816	1517	9.907	82.2	213.937959	227.402933
192.2	47.35422	1742	12.304	82.8	218.674948	254.33513
192.2	49.54559	1896	14.213	79	222.836105	279.396814
192.2	45.32473	1714	16.118	82.4	227.374236	294.377844
192.2	51.79086	1898	17.978	87.8	230.787474	314.657864
192.2	61.52245	2031	20.399	80.4	235.563415	339.90744
192.2	46.7483	1965	22.301	77.4	235.223389	344.655378
192.2	30.30063	1801	22.98	43.1	234.565313	339.757576
192.2	17.73893	1291	22.98	3.5	240.33856	317.547541
192.2	11.05045	1250	21.73	14.8	238.880041	295.463583
192.2	14.60942	1207	21.11	8.7	231.905602	278.441
192.2	10.09247	1163	20.425	4.8	228.072396	264.474423
192.2	19.64432	1141	19.87	33.2	224.830833	253.842813
192.2	19.50225	1137	19.87	42.3	228.191821	250.620198
192.2	11.71299	1105	19.25	13.9	228.363497	246.708455
192.2	10.64344	1255	18.444	1.1	223.642155	238.073805
192.2	11.025	1297	17.39	0	220.837787	229.929618
192.2	10.58625	1233	16.57	0	217.621608	222.639416
192.2	18.7401	1192	16.15	28.1	215.669461	218.721722
192.2	19.79658	1174	15.942	35.2	216.347813	219.297297

0.3391	0.22718	3.91196	7429.807
0.33916	0.22747	3.91393	7430.474
0.33922	0.22771	3.91541	7431.241
0.33927	0.22796	3.91727	7432.128
0.33932	0.22819	3.91886	7433.013
0.33937	0.22843	3.9202	7433.756
0.33942	0.22865	3.92153	7434.382
0.33948	0.22889	3.92304	7435.046
0.33954	0.22917	3.92459	7435.866
0.33961	0.2295	3.92628	7436.904
0.33971	0.22998	3.92904	7438.623
0.33984	0.23058	3.93323	7441.759
0.33995	0.23111	3.93621	7445.069
0.34005	0.23151	3.93789	7447.68
0.34016	0.23194	3.93986	7450.05
0.34027	0.23239	3.94246	7452.464
0.34039	0.23288	3.94512	7455.217
0.3405	0.23336	3.94713	7457.861
0.34057	0.23365	3.94817	7459.524
0.34062	0.23388	3.94888	7460.643
0.34067	0.23407	3.94972	7461.516
0.34074	0.23434	3.9508	7462.562
0.34081	0.23464	3.95185	7463.442
0.34088	0.23494	3.95314	7464.14
0.34096	0.23527	3.95476	7464.757
0.34104	0.23558	3.95659	7465.384
0.34114	0.23599	3.95906	7466.41
0.34129	0.23658	3.96357	7469.059
0.3415	0.23747	3.96939	7474.341
0.34174	0.23837	3.97421	7480.813
0.34204	0.23922	3.97794	7487.304
0.34244	0.24018	3.98199	7495.079
0.34296	0.24108	3.98648	7503.638
0.34344	0.24182	3.98893	7509.997
0.34384	0.24231	3.99111	7514.127
0.34406	0.2426	3.99244	7516.237
0.34425	0.24288	3.99345	7517.891
0.34439	0.24313	3.99404	7519.06
0.3445	0.24339	3.99455	7519.873
0.34464	0.24372	3.99575	7520.684
0.34476	0.24406	3.99699	7521.286
0.34484	0.2443	3.99817	7521.754
0.3449	0.24451	3.99955	7522.335
0.34496	0.24471	4.00099	7523.094
0.34502	0.2449	4.00195	7523.905
0.34512	0.24526	4.00347	7524.971
0.34521	0.24554	4.00457	7525.557

10:40:44.351	-9	0.00006	0.00022	0.00104	0.309	0.00003
10:40:45.351	-9	0.00006	0.00019	0.00139	0.377	0.000037
10:40:46.351	-9	0.00007	0.00025	0.00192	0.737	0.000072
10:40:47.351	-9	0.00012	0.00044	0.00209	1.107	0.000108
10:40:48.351	-9	0.00012	0.0004	0.00185	0.899	0.000087
10:40:49.351	-9	0.00013	0.00053	0.00289	1.248	0.000121
10:40:50.351	-9	0.00014	0.00051	0.00376	2.253	0.000219
10:40:51.351	-9	0.00013	0.0005	0.00298	2.714	0.000263
10:40:52.351	-9	0.0001	0.00036	0.00162	2.113	0.000205
10:40:53.351	-9	0.00009	0.00035	0.00139	1.831	0.000177
10:40:54.351	-9	0.0001	0.00037	0.0018	1.856	0.00018
10:40:55.351	-9	0.00011	0.00044	0.00224	2.367	0.000229
10:40:56.351	-9	0.00012	0.00049	0.00263	2.899	0.000281
10:40:57.351	-9	0.00011	0.00043	0.00223	2.985	0.000289
10:40:58.351	-9	0.00008	0.00033	0.00127	2.129	0.000206
10:40:59.351	-9	0.00005	0.0002	0.0009	1.31	0.000127
10:41:00.351	-9	0.00007	0.00027	0.00109	1.547	0.00015
10:41:01.351	-9	0.00011	0.00043	0.00108	1.93	0.000187
10:41:02.351	-9	0.0001	0.00039	0.00164	1.431	0.000139
10:41:03.351	-9	0.0001	0.00037	0.00212	1.534	0.000149
10:41:04.351	-9	0.00009	0.00035	0.00176	1.64	0.000159
10:41:05.351	-9	0.00009	0.00036	0.00139	1.667	0.000162
10:41:06.351	-9	0.00008	0.00032	0.00118	1.61	0.000156
10:41:07.351	-9	0.00007	0.0003	0.00103	1.39	0.000135
10:41:08.351	-9	0.00007	0.0003	0.00119	1.298	0.000126
10:41:09.351	-9	0.00007	0.00029	0.00142	1.186	0.000115
10:41:10.351	-9	0.00007	0.00029	0.00133	0.94	0.000091
10:41:11.351	-9	0.00008	0.00028	0.00095	0.783	0.000076
10:41:12.351	-9	0.00009	0.00034	0.00112	0.687	0.000067
10:41:13.351	-9	0.00009	0.00031	0.00174	0.653	0.000064
10:41:14.351	-9	0.00009	0.00032	0.00234	0.832	0.000081
10:41:15.351	-9	0.00009	0.00034	0.00255	1.242	0.000121
10:41:16.351	-9	0.00006	0.00024	0.00151	1.012	0.000098
10:41:17.351	-9	0.00005	0.00021	0.00096	0.906	0.000088
10:41:18.351	-9	0.00006	0.00024	0.00104	1.087	0.000105
10:41:19.351	-9	0.00009	0.00036	0.00147	1.378	0.000134
10:41:20.351	-9	0.00009	0.00038	0.0015	1.214	0.000118
10:41:21.351	-9	0.0001	0.00043	0.00221	1.484	0.000144
10:41:22.351	-9	0.00012	0.00049	0.00372	2.421	0.000235
10:41:23.351	-9	0.00012	0.00049	0.00407	3.162	0.000307
10:41:24.351	-9	0.00014	0.00055	0.00298	3.386	0.000328
10:41:25.351	-9	0.00014	0.00044	0.00267	2.934	0.000284
10:41:26.351	-9	0.00013	0.00041	0.00235	2.43	0.000235
10:41:27.351	-9	0.00015	0.00043	0.00269	2.656	0.000257
10:41:28.351	-9	0.00015	0.00047	0.00288	3.189	0.000309
10:41:29.351	-9	0.00015	0.00049	0.00248	3.702	0.000358
10:41:30.351	-9	0.00017	0.00051	0.00226	4.11	0.000397

16.8	3.20E+00	2.400	1.400	2.035	1.187	36.800		9.74865	1138	15.318	9.1	215.648438	216.944246
16.2	3.10E+00	2.300	1.400	1.941	1.182	34.400		9.27044	1042	14.28	3.1	213.41477	211.38807
16.1	3.00E+00	2.200	1.400	1.837	1.169	35.500		17.30953	992	13.487	1.2	211.655419	206.209771
14.3	3.00E+00	2.200	1.400	1.843	1.173	37.200		20.88175	1330	12.211	21.1	209.279583	202.507207
14.3	3.00E+00	2.200	1.400	1.851	1.178	34.900		24.3888	1465	12.009	43.6	210.534511	206.495495
12.8	3.10E+00	2.200	1.500	1.840	1.255	41.600		26.22146	1533	12.42	59.5	213.211691	214.371902
12.8	3.00E+00	2.200	1.500	1.809	1.233	35.600		31.82283	1662	13.219	60.8	218.160625	226.907579
13.7	3.00E+00	2.200	1.500	1.780	1.213	38.800		28.428	1539	13.827	47.2	222.830769	237.029878
13.7	3.00E+00	2.200	1.500	1.776	1.211	37.100		18.65501	1175	14.28	44.6	223.361157	237.1794
13.8	3.00E+00	2.200	1.500	1.784	1.216	38.500		18.05488	1195	14.28	46.6	222.936072	235.831902
15.1	3.00E+00	2.200	1.500	1.790	1.220	38.300	192.2	19.30956	1265	14.9	60.4	223.573846	235.882222
15.3	2.90E+00	2.200	1.400	1.785	1.136	37.800	192.2	24.92065	1392	15.269	72.9	226.489963	242.887608
15.3	2.90E+00	2.200	1.400	1.769	1.126	39.600	192.2	30.10228	1463	15.887	69	232.476687	252.147846
15.3	2.90E+00	2.200	1.400	1.752	1.115	37.900	192.2	23.39733	1360	16.77	47.3	225.098091	256.23225
16.7	2.90E+00	2.200	1.400	1.755	1.117	40.000	192.2	23.24153	1283	16.77	30	221.8625	252.807709
16.7	2.90E+00	2.200	1.400	1.762	1.121	38.200	192.2	9.07222	986	16.15	8.7	217.196154	244.463293
17.5	2.90E+00	2.200	1.400	1.776	1.130	38.900	192.2	9.8816	917	15.53	22.9	218.910789	236.308
16.3	2.90E+00	2.200	1.400	1.798	1.144	39.200	192.2	22.89441	1285	15.53	41.3	222.132383	232.989608
16.3	3.00E+00	2.200	1.400	1.817	1.156	38.800	192.2	20.75697	1239	15.53	36.4	223.9789	235.030744
16.2	3.00E+00	2.200	1.400	1.808	1.151	38.500	192.2	19.92579	1267	15.53	44.2	223.489162	233.315422
16.2	2.90E+00	2.100	1.400	1.719	1.146	36.700	192.2	20.5014	1272	15.53	45.8	224.062656	234.138732
16.2	2.90E+00	2.100	1.400	1.713	1.142	39.500	192.2	19.02136	1242	15.53	38	224.242708	232.988658
16.5	2.90E+00	2.200	1.400	1.793	1.141	37.600	192.2	17.90745	1202	15.53	34.4	224.59608	229.943111
16.5	2.90E+00	2.200	1.400	1.796	1.143	39.300	192.2	16.34446	1143	15.53	33	222.238439	225.42792
16.5	2.90E+00	2.100	1.400	1.723	1.147	39.500	192.2	10.61616	857	14.9	21.1	220.165094	219.138219
16.5	2.90E+00	2.100	1.400	1.729	1.153	37.600	192.2	15.42913	817	14.28	18.5	218.518151	212.275054
15.6	2.90E+00	2.100	1.400	1.742	1.161	39.200	192.2	15.33257	929	12.945	11.9	217.489571	206.24041
13.9	2.90E+00	2.100	1.400	1.757	1.172	35.300	192.2	12.06668	1028	11.732	18.8	216.259885	200.138784
13.8	2.90E+00	2.100	1.400	1.770	1.180	36.600	192.1	19.56751	1302	11.18	32.7	214.926923	197.214414
11.6	2.90E+00	2.000	1.400	1.689	1.183	31.100	191.8	20.68908	1354	11.18	44	215.39422	199.610878
11.6	2.80E+00	1.900	1.400	1.597	1.177	31.400	191.4	22.05589	1361	11.18	44.7	216.624568	204.426973
11.6	2.70E+00	1.900	1.400	1.580	1.164	33.100	191	22.25386	1392	11.18	47.1	219.788816	208.104206
11.6	2.80E+00	2.000	1.400	1.647	1.154	34.700	190.6	14.87274	1315	11.479	33.3	221.34369	209.847228
11.6	2.80E+00	2.000	1.400	1.642	1.150	37.600	190.4	9.1707	1000	10.851	4.5	221.796332	205.615962
12	2.70E+00	1.900	1.400	1.560	1.149	35.700	190.4	8.44	998	9.94	18.5	221.686538	201.651552
10.7	2.70E+00	1.900	1.400	1.568	1.155	38.200	190.4	18.27775	1174	9.645	37.7	221.612019	198.9625
10.7	2.70E+00	1.900	1.400	1.580	1.164	37.400	190.4	21.69476	1268	9.94	53.1	220.903213	204.784271
10.7	2.70E+00	1.900	1.300	1.577	1.080	36.000	190.4	24.71162	1385	10.555	59.8	220.7	213.036453
10.4	2.60E+00	1.900	1.300	1.553	1.062	36.300	190.4	28.93975	1507	11.8	61.8	224.20125	226.450394
10.5	2.60E+00	1.900	1.300	1.533	1.049	34.200	190.4	31.03389	1585	12.494	51.8	227.581893	236.90796
12.1	2.90E+00	2.300	1.300	1.849	1.046	37.200	190.4	30.379	1646	13.114	50.8	230.255394	242.448438
13.9	3.10E+00	2.600	1.300	2.096	1.048	33.500	190.4	29.14708	1549	14.28	48.9	233.918421	245.916667
14	3.50E+00	3.000	1.300	2.421	1.050	36.800	190.4	20.14311	1245	14.506	50.1	234.840481	246.912255
15.4	3.60E+00	3.100	1.300	2.505	1.051	35.000	190.7	25.71538	1487	15.114	79.9	235.469087	251.739061
15.4	3.50E+00	3.100	1.300	2.484	1.042	35.400	191	28.66635	1530	16.361	75.7	241.142188	263.180435
15.5	3.50E+00	3.100	1.300	2.458	1.031	36.400	191.4	27.17992	1458	16.981	61.7	242.9	267.3
16.9	3.50E+00	3.100	1.300	2.455	1.029	35.100	191.8	28.16046	1516	18.01	69.9	247.722344	268.320679

0.34527	0.24576	4.00561	7525.866
0.34533	0.24595	4.007	7526.243
0.3454	0.2462	4.00892	7526.98
0.34552	0.24664	4.01101	7528.087
0.34564	0.24704	4.01286	7528.986
0.34577	0.24757	4.01575	7530.234
0.34591	0.24808	4.01951	7532.487
0.34604	0.24858	4.02249	7535.201
0.34614	0.24894	4.02411	7537.314
0.34623	0.24929	4.0255	7539.145
0.34633	0.24966	4.0273	7541.001
0.34644	0.2501	4.02954	7543.368
0.34656	0.25059	4.03217	7546.267
0.34667	0.25102	4.0344	7549.252
0.34675	0.25135	4.03567	7551.381
0.3468	0.25155	4.03657	7552.691
0.34687	0.25182	4.03766	7554.238
0.34698	0.25225	4.03874	7556.168
0.34708	0.25264	4.04038	7557.599
0.34718	0.25301	4.0425	7559.133
0.34727	0.25336	4.04426	7560.773
0.34736	0.25372	4.04565	7562.44
0.34744	0.25404	4.04683	7564.05
0.34751	0.25434	4.04786	7565.44
0.34758	0.25464	4.04905	7566.738
0.34765	0.25493	4.05047	7567.924
0.34772	0.25522	4.0518	7568.864
0.3478	0.2555	4.05275	7569.647
0.34789	0.25584	4.05387	7570.334
0.34798	0.25615	4.05561	7570.987
0.34807	0.25647	4.05795	7571.819
0.34816	0.25681	4.0605	7573.061
0.34822	0.25705	4.06201	7574.073
0.34827	0.25726	4.06297	7574.979
0.34833	0.2575	4.06401	7576.066
0.34842	0.25786	4.06548	7577.444
0.34851	0.25824	4.06698	7578.658
0.34861	0.25867	4.06919	7580.142
0.34873	0.25916	4.07291	7582.563
0.34885	0.25965	4.07698	7585.725
0.34899	0.2602	4.07996	7589.111
0.34913	0.26064	4.08263	7592.045
0.34926	0.26105	4.08498	7594.475
0.34941	0.26148	4.08767	7597.131
0.34956	0.26195	4.09055	7600.32
0.34971	0.26244	4.09303	7604.022
0.34988	0.26295	4.09529	7608.132

10:41:31.351	-9	0.00025	0.00079	0.00377	5.992	0.00058
10:41:32.351	-9	0.00035	0.00083	0.00439	7.303	0.000706
10:41:33.351	-9	0.00066	0.00071	0.00325	6.202	0.000599
10:41:34.351	-9	0.00083	0.00068	0.00318	5.517	0.000534
10:41:35.351	-9	0.00075	0.00062	0.00365	4.772	0.000462
10:41:36.351	-9	0.00065	0.00054	0.00324	4.388	0.000425
10:41:37.351	-9	0.00064	0.00053	0.00289	4.755	0.00046
10:41:38.351	-9	0.00069	0.00063	0.00309	5.734	0.000554
10:41:39.351	-9	0.00079	0.00066	0.00336	6.742	0.000651
10:41:40.351	-9	0.00113	0.00075	0.00328	7.111	0.000687
10:41:41.351	-9	0.00181	0.00082	0.00392	8.801	0.00085
10:41:42.351	-9	0.00208	0.00082	0.00335	8.433	0.000814
10:41:43.351	-9	0.00179	0.00069	0.00287	6.366	0.000615
10:41:44.351	-9	0.00168	0.0006	0.00318	5.629	0.000544
10:41:45.351	-9	0.00124	0.00051	0.00266	4.522	0.000437
10:41:46.351	-9	0.00097	0.00038	0.00204	3.475	0.000336
10:41:47.351	-9	0.00062	0.00031	0.0016	2.242	0.000217
10:41:48.351	-9	0.00038	0.00025	0.0009	1.392	0.000135
10:41:49.351	-9	0.00026	0.00023	0.00085	0.958	0.000093
10:41:50.351	-9	0.00017	0.0002	0.00071	0.653	0.000063
10:41:51.351	-9	0.00014	0.00017	0.00059	0.46	0.000045
10:41:52.351	-9	0.00011	0.00019	0.00068	0.362	0.000035
10:41:53.351	-9	0.0001	0.00017	0.0009	0.285	0.000028
10:41:54.351	-9	0.00009	0.00017	0.00072	0.234	0.000023
10:41:55.351	-9	0.00009	0.00019	0.00085	0.223	0.000022
10:41:56.351	-9	0.00016	0.00034	0.00171	0.369	0.000036
10:41:57.351	-9	0.0002	0.00046	0.00322	0.629	0.000061
10:41:58.351	-9	0.0002	0.00045	0.00504	2.089	0.000203
10:41:59.351	-9	0.00022	0.00051	0.00485	3.355	0.000325
10:42:00.351	-9	0.00028	0.00049	0.00336	4.176	0.000404
10:42:01.351	-9	0.00039	0.00056	0.00294	4.44	0.00043
10:42:02.351	-9	0.00059	0.00055	0.00316	4.722	0.000457
10:42:03.351	-9	0.00092	0.00069	0.00427	6.053	0.000585
10:42:04.351	-9	0.00174	0.00096	0.00552	9.203	0.000889
10:42:05.351	-9	0.0028	0.00092	0.00365	9.603	0.000927
10:42:06.351	-9	0.00202	0.00058	0.00243	5	0.000483
10:42:07.351	-9	0.00129	0.00034	0.00118	2.582	0.00025
10:42:08.351	-9	0.00116	0.00044	0.00104	2.261	0.000219
10:42:09.351	-9	0.00089	0.00045	0.00137	1.563	0.000152
10:42:10.351	-9	0.00057	0.00045	0.00235	1.767	0.000171
10:42:11.351	-9	0.00039	0.00042	0.00348	2.227	0.000216
10:42:12.351	-9	0.00039	0.00044	0.00228	2.4	0.000233
10:42:13.351	-9	0.00035	0.00045	0.00258	2.04	0.000198
10:42:14.351	-9	0.00029	0.00038	0.00234	1.87	0.000181
10:42:15.351	-9	0.0003	0.00045	0.00198	1.871	0.000181
10:42:16.351	-9	0.00029	0.0004	0.00153	1.385	0.000134
10:42:17.351	-9	0.00025	0.00038	0.00147	1.138	0.00011

17	3.50E+00	3.100	1.300	2.456	1.030	37.100
18.6	4.20E+00	4.100	1.300	3.222	1.026	33.100
21.1	9.80E+00	11.200	1.300	8.826	1.022	35.200
21.1	1.26E+01	14.600	1.300	11.563	1.030	34.200
21.2	1.28E+01	14.800	1.300	11.756	1.033	35.100
23.6	1.24E+01	14.400	1.300	11.410	1.030	34.400
23.7	1.20E+01	13.900	1.300	10.963	1.025	33.100
25.4	1.13E+01	13.100	1.300	10.285	1.020	33.900
25.5	1.13E+01	13.200	1.300	10.324	1.017	31.600
27.4	1.54E+01	18.400	1.300	14.369	1.017	33.600
29.6	2.05E+01	25.000	1.300	19.499	1.014	30.800
29.6	2.46E+01	30.200	1.300	23.561	1.014	32.000
29.7	2.67E+01	32.700	1.400	25.616	1.097	34.300
32.5	2.68E+01	32.700	1.300	25.762	1.026	31.900
32.6	2.51E+01	30.600	1.300	24.065	1.022	34.600
34.3	2.45E+01	29.800	1.300	23.522	1.026	31.900
34.9	2.22E+01	26.500	1.300	21.117	1.035	36.900
34.9	1.78E+01	20.700	1.300	16.743	1.049	38.600
34.9	1.35E+01	15.200	1.300	12.476	1.065	40.300
33.4	9.90E+00	10.600	1.300	8.791	1.078	38.600
30.4	8.20E+00	8.600	1.200	7.194	1.005	34.800
30.4	6.70E+00	6.800	1.200	5.729	1.012	36.100
30.3	6.10E+00	6.000	1.200	5.074	1.016	33.600
27.4	5.30E+00	5.100	1.200	4.326	1.018	34.900
27.3	5.00E+00	4.700	1.200	3.995	1.020	33.600
25.3	4.80E+00	4.400	1.200	3.744	1.021	34.400
23.8	4.50E+00	4.100	1.200	3.477	1.018	34.900
23.8	4.20E+00	3.900	1.200	3.217	0.991	31.100
23.9	4.40E+00	3.900	1.500	3.142	1.209	34.100
25	5.30E+00	4.900	1.700	3.901	1.355	30.500
26.4	7.10E+00	7.200	1.700	5.721	1.353	33.100
26.5	1.01E+01	11.100	1.600	8.813	1.273	31.100
27.6	1.30E+01	14.800	1.600	11.690	1.265	32.400
27.7	1.92E+01	23.100	1.600	18.002	1.245	35.200
30.3	2.99E+01	36.800	1.600	28.632	1.244	32.700
30.3	3.67E+01	45.100	1.600	35.451	1.259	35.100
30.4	3.70E+01	44.600	1.600	35.703	1.281	32.600
33	2.90E+01	34.000	1.600	27.669	1.303	36.500
32.9	2.10E+01	23.900	1.400	19.823	1.163	35.100
31.9	1.33E+01	14.600	1.400	12.097	1.158	35.000
31.8	9.60E+00	10.400	1.400	8.480	1.142	33.900
31.8	8.80E+00	9.400	1.400	7.670	1.142	33.600
31.8	8.50E+00	9.000	1.400	7.378	1.148	36.500
31.2	8.00E+00	8.400	1.400	6.879	1.146	34.700
31.2	7.90E+00	8.200	1.400	6.726	1.148	39.500
30.9	7.90E+00	8.100	1.400	6.723	1.162	36.100
30	7.20E+00	7.200	1.400	6.010	1.168	36.100

192.1	40.24119	1712	18.937	86.7	248.842045	279.432
192.2	65.14276	1954	20.452	82.6	259.8358	304.412331
192.2	38.8964	1815	22.034	80.5	273.915094	320.380363
192.2	34.01671	1821	22.719	69.8	274.481493	319.64526
192.2	41.17182	1644	23.6	81.7	264.595376	321.637802
192.2	29.92072	1401	24.67	81.6	268.794085	325.720152
192.2	32.33551	1451	25.46	79.5	272.555385	327.703006
192.2	39.26751	1508	26.577	78.8	264.301442	333.467556
192.2	44.07685	1572	27.882	78.9	262.202778	343.336652
192.2	44.92778	1635	28.613	80.9	256.422414	351.74
192.3	54.93444	1711	29.908	82.5	258.061538	366.365863
192.6	55.46566	1793	31.711	66.5	262.522553	380.1324
193	38.61196	1566	32.339	72.1	264.705747	379.656886
193.4	38.76574	1587	33.011	77.8	259.861169	377.1
193.7	30.24664	1608	33.53	60.5	245.419697	371.96413
	25.36854	1488	33.53	35.2	246.42	353.421499
	16.21875	1302	32.91	0	243.437262	330.605644
	12.09769	1264	32.138	0	242.368138	311.737008
	11.13343	1210	30.701	0	238.514959	296.045935
	10.50704	1145	29.016	0.2	235.285577	282.963518
193.9	10.12977	1089	27.603	0.6	233.570673	272.2003
193.5	10.88643	1251	25.909	0	232.179079	262.377622
193.2	10.9379	1203	25.283	0	230.750096	253.3408
192.8	10.62872	1163	24.22	0	228.152401	246.484254
192.4	10.4323	1164	23.267	7.6	225.864623	239.203261
192.2	23.35078	1318	22.98	36.9	225.88381	237.093131
192.2	30.26642	1330	23.286	67.6	225.886538	248.6876
192.2	33.58691	1373	24.22	69.1	227.053743	265.212
192.2	31.45949	1413	24.84	68.4	226.642857	279.710838
192.2	33.74851	1448	25.46	67.5	227.862548	288.807186
192.3	33.21392	1483	26.08	72.6	228.790385	296.413586
192.7	36.13791	1523	26.7	74.5	230.113208	303.451471
193.1	49.20127	1584	27.631	78.8	231.919407	322.302
193.4	64.57405	1682	29.542	80.1	230.296354	359.2
193.8	58.73083	1770	31.355	64.4	244.730376	387.508242
194	27.12953	1620	31.67	34.6	245.146985	372.353153
194	21.51191	1492	31.207	21.4	243.370772	343.808192
194	27.10111	1469	30.588	26.1	241.747917	322.329329
194	26.176	1459	30.43	39	255.281282	309.40716
194	28.26945	1465	30.772	38.9	271.108302	305.233766
	24.90182	1450	30.43	10.3	269.328106	297.864567
	31.48882	1442	30.097	55.6	260.74002	287.602353
	25.65875	1438	30.128	39.1	260.65	284.781633
	27.91746	1423	29.81	11	258.831743	275.784462
	26.73868	1400	29.19	29.8	252.923077	265.317833
193.7	23.71574	1367	28.57	30	249.637917	257.646553
193.3	20.76271	1369	28.57	50.7	246.886957	253.20409

0.35013	0.26374	4.09906	7614.124
0.35048	0.26457	4.10345	7621.427
0.35114	0.26528	4.1067	7627.629
0.35197	0.26596	4.10988	7633.146
0.35272	0.26658	4.11353	7637.918
0.35337	0.26712	4.11677	7642.306
0.35401	0.26765	4.11966	7647.061
0.3547	0.26828	4.12275	7652.795
0.35549	0.26894	4.12611	7659.537
0.35662	0.26969	4.12939	7666.648
0.35843	0.27051	4.13331	7675.449
0.36051	0.27133	4.13666	7683.882
0.3623	0.27202	4.13953	7690.248
0.36398	0.27262	4.14271	7695.877
0.36522	0.27313	4.14537	7700.399
0.36619	0.27351	4.14741	7703.874
0.36681	0.27382	4.14901	7706.116
0.36719	0.27407	4.14991	7707.508
0.36745	0.2743	4.15076	7708.466
0.36762	0.2745	4.15147	7709.119
0.36776	0.27467	4.15206	7709.579
0.36787	0.27486	4.15274	7709.941
0.36797	0.27503	4.15364	7710.226
0.36806	0.2752	4.15436	7710.46
0.36815	0.27539	4.15521	7710.683
0.36831	0.27573	4.15692	7711.052
0.36851	0.27619	4.16014	7711.681
0.36871	0.27664	4.16518	7713.77
0.36893	0.27715	4.17003	7717.125
0.36921	0.27764	4.17339	7721.301
0.3696	0.2782	4.17633	7725.741
0.37019	0.27875	4.17949	7730.463
0.37111	0.27944	4.18376	7736.516
0.37285	0.2804	4.18928	7745.719
0.37565	0.28132	4.19293	7755.322
0.37767	0.2819	4.19536	7760.322
0.37896	0.28224	4.19654	7762.904
0.38012	0.28268	4.19758	7765.165
0.38101	0.28313	4.19895	7766.728
0.38158	0.28358	4.2013	7768.495
0.38197	0.284	4.20478	7770.722
0.38236	0.28444	4.20706	7773.122
0.38271	0.28489	4.20964	7775.162
0.383	0.28527	4.21198	7777.032
0.3833	0.28572	4.21396	7778.903
0.38359	0.28612	4.21549	7780.288
0.38384	0.2865	4.21696	7781.426

10:42:18.351	-9	0.00023	0.00041	0.00196	1.306	0.000127
10:42:19.351	-9	0.00025	0.00048	0.00351	2.13	0.000207
10:42:20.351	-9	0.00025	0.00058	0.00422	3.467	0.000336
10:42:21.351	-9	0.00029	0.00059	0.00388	4.651	0.00045
10:42:22.351	-9	0.00048	0.0006	0.00274	4.586	0.000444
10:42:23.351	-9	0.00069	0.00055	0.00267	4.087	0.000395
10:42:24.351	-9	0.00057	0.0004	0.00216	2.877	0.000278
10:42:25.351	-9	0.00059	0.00042	0.00221	2.724	0.000264
10:42:26.351	-9	0.00063	0.00043	0.00219	2.475	0.00024
10:42:27.351	-9	0.00057	0.0005	0.00206	2.415	0.000234
10:42:28.351	-9	0.00046	0.0005	0.00197	2.309	0.000224
10:42:29.351	-9	0.00039	0.00052	0.00255	2.492	0.000242
10:42:30.351	-9	0.00032	0.00045	0.00189	2.251	0.000218
10:42:31.351	-9	0.0002	0.00029	0.00105	1.249	0.000121
10:42:32.351	-9	0.00032	0.00048	0.00125	1.522	0.000148
10:42:33.351	-9	0.00046	0.00069	0.0031	1.861	0.000181
10:42:34.351	-9	0.00042	0.00069	0.00551	3.64	0.000353
10:42:35.351	-9	0.00111	0.00059	0.00372	3.458	0.000335
10:42:36.351	-9	0.00161	0.00068	0.00231	3.568	0.000346
10:42:37.351	-9	0.00186	0.00071	0.00427	4.412	0.000427
10:42:38.351	-9	0.00173	0.00069	0.00445	5.344	0.000517
10:42:39.351	-9	0.00181	0.00073	0.00377	5.778	0.000559
10:42:40.351	-9	0.00131	0.00049	0.00247	3.979	0.000385
10:42:41.351	-9	0.00094	0.00037	0.00159	2.22	0.000215
10:42:42.351	-9	0.00054	0.00023	0.0005	1.045	0.000101
10:42:43.351	-9	0.00037	0.00022	0.00063	0.656	0.000064
10:42:44.351	-9	0.00044	0.00034	0.0012	0.74	0.000072
10:42:45.351	-9	0.00042	0.00043	0.00245	0.712	0.000069
10:42:46.351	-9	0.00031	0.00044	0.00394	1.798	0.000175
10:42:47.351	-9	0.00026	0.00039	0.00366	2.349	0.000228
10:42:48.351	-9	0.00027	0.0004	0.0012	2.075	0.000201
10:42:49.351	-9	0.00026	0.00034	0.00122	1.426	0.000138
10:42:50.351	-9	0.00019	0.00026	0.00085	0.883	0.000086
10:42:51.351	-9	0.00016	0.00023	0.00081	0.699	0.000068
10:42:52.351	-9	0.00015	0.00026	0.00122	0.75	0.000073
10:42:53.351	-9	0.0002	0.00038	0.00118	0.805	0.000078
10:42:54.351	-9	0.00018	0.00036	0.00132	0.664	0.000065
10:42:55.351	-9	0.00015	0.00038	0.00232	0.94	0.000091
10:42:56.351	-9	0.00015	0.00037	0.00267	1.538	0.000149
10:42:57.351	-9	0.00018	0.00049	0.00295	2.229	0.000216
10:42:58.351	-9	0.00012	0.00032	0.00184	1.831	0.000177
10:42:59.351	-9	0.0001	0.00025	0.00142	1.711	0.000166
10:43:00.351	-9	0.00009	0.00023	0.00084	1.594	0.000154
10:43:01.351	-9	0.00011	0.00021	0.00073	1.32	0.000128
10:43:02.351	-9	0.00011	0.00022	0.00061	0.927	0.00009
10:43:03.351	-9	0.00011	0.00018	0.0005	0.54	0.000052
10:43:04.351	-9	0.0001	0.0002	0.00056	0.348	0.000034

30	6.00E+00	5.800	1.400	4.843	1.165	36.200
29.7	5.40E+00	5.200	1.400	4.279	1.151	35.100
29.7	5.00E+00	4.800	1.400	3.867	1.127	38.100
30.6	5.20E+00	5.200	1.400	4.121	1.110	35.200
30.7	8.80E+00	9.800	1.400	7.736	1.109	37.000
32.3	1.33E+01	15.300	1.400	12.212	1.116	35.100
32.3	1.50E+01	17.300	1.400	13.842	1.119	34.700
32.3	1.54E+01	17.800	1.300	14.306	1.045	36.100
32.9	1.58E+01	18.200	1.300	14.740	1.054	35.900
32.9	1.32E+01	14.900	1.300	12.135	1.060	38.600
32.7	1.04E+01	11.400	1.300	9.363	1.064	37.100
32.6	8.80E+00	9.500	1.300	7.745	1.059	39.000
32.6	8.20E+00	8.800	1.300	7.166	1.059	38.000
32.5	8.20E+00	8.700	1.300	7.132	1.066	38.400
32.4	8.30E+00	8.700	1.300	7.213	1.078	40.400
31.3	7.80E+00	8.100	1.300	6.764	1.085	39.400
31.3	7.50E+00	8.000	1.300	6.464	1.050	40.600
32.6	2.20E+01	26.000	1.300	20.905	1.047	38.500
32.6	2.87E+01	34.100	1.300	27.628	1.052	40.500
32.6	2.86E+01	34.200	1.300	27.566	1.048	36.400
32.8	2.61E+01	31.500	1.300	25.065	1.034	34.600
32.9	2.61E+01	31.600	1.300	25.066	1.031	35.000
34.7	2.64E+01	31.800	1.400	25.300	1.112	33.000
36.1	2.67E+01	31.600	1.400	25.579	1.133	34.800
36.1	2.36E+01	27.200	1.400	22.413	1.153	33.000
36.1	1.78E+01	19.900	1.400	16.649	1.169	35.600
35.3	1.33E+01	14.400	1.300	12.163	1.095	33.400
35.3	9.80E+00	10.300	1.300	8.726	1.101	33.700
34.3	7.40E+00	7.600	1.300	6.290	1.073	35.400
34.9	6.80E+00	7.100	1.300	5.755	1.054	34.100
34.9	7.60E+00	7.900	1.500	6.411	1.218	37.400
34.9	8.40E+00	8.700	1.500	7.159	1.234	36.600
34.8	8.50E+00	8.700	1.500	7.208	1.243	38.900
34.8	7.90E+00	8.000	1.500	6.655	1.248	38.400
33.9	6.90E+00	6.900	1.400	5.750	1.167	39.200
33.8	6.10E+00	5.800	1.400	4.874	1.177	38.700
32.5	5.50E+00	5.100	1.400	4.307	1.181	37.100
32.5	4.90E+00	4.500	1.400	3.761	1.171	39.700
32.2	4.60E+00	4.200	1.400	3.454	1.151	37.400
32.2	4.60E+00	4.200	1.400	3.426	1.142	40.100
32.5	4.50E+00	4.200	1.400	3.382	1.127	39.700
33.3	4.50E+00	4.200	1.500	3.340	1.193	39.500
33.3	4.80E+00	4.500	1.500	3.566	1.191	39.700
32.6	6.00E+00	6.000	1.500	4.814	1.203	38.100
31.8	6.50E+00	6.400	1.500	5.234	1.227	42.000
30.7	6.50E+00	6.400	1.400	5.343	1.169	36.300
30.6	5.70E+00	5.400	1.400	4.567	1.182	38.000

192.9	25.06354	1377	28.57	78	246.222015	258.681818
192.5	28.03909	1392	29.19	68.5	248.15993	270.150707
	35.54483	1426	29.81	80.6	247.706731	285.147546
	37.53015	1457	30.616	71.5	251.477551	300.079572
	30.95154	1482	31.05	61	255.911822	303.395862
	33.23926	1503	31.24	66.2	256.159	303.712474
	23.65391	1514	31.67	43.8	257.437571	300.213614
192.2	22.98604	1506	31.67	33.7	255.235242	292.08766
192.2	24.08642	1500	31.67	50.2	251.849432	285.38
192.2	28.12855	1498	31.361	40.1	252.799714	278.736471
192.2	28.05539	1505	31.67	44	252.199581	275.895082
192.2	29.0118	1502	31.67	43	252.794788	274.4016
192.2	28.12158	1498	31.05	20.5	254.423234	265.052549
192.2	13.45118	1466	30.759	0	254.084087	253.218824
192.2	27.82818	1439	30.097	18.6	253.430353	244.170435
192.2	44.65937	1463	30.43	60.3	255.025859	254.613131
192.2	39.08838	1506	31.526	43.8	260.687157	288.826115
	26.3099	1513	31.67	37.8	260.832024	279.143396
	38.14953	1522	31.67	65.1	260.312978	281.252547
	42.81703	1564	32.829	71.9	262.817769	297.086517
	41.03745	1605	33.478	74.1	267.276715	315.683417
	40.54925	1650	34.726	69.6	268.612317	320.400785
192.2	33.60067	1665	34.78	30.9	266.887551	314.450054
192.2	24.65	1375	34.758	0	266.682708	292.972747
192.2	12.39028	1337	34.016	0	265.844361	275.814763
192.2	12.11	1316	33.53	0	262.160478	263.200543
	16.16498	1335	32.91	33.2	257.8	255.622391
	28.46427	1315	33.464	72.2	256.208856	261.066634
	23.80495	1326	33.53	14.9	260.879502	266.984676
	24.49199	1325	33.53	47.9	260.547609	264.093724
	19.33418	1319	33.53	1	259.098507	256.344652
192.2	22.74965	1291	33.53	32.2	254.97264	249.533202
192.2	12.00107	1285	32.407	0.6	253.778372	243.357363
192.2	11.5113	1252	31.681	0	252.335496	235.539941
192.2	11.28147	1234	31.513	6.8	253.698375	228.666877
192.2	20.73471	1224	31.05	43.4	255.485283	227.3
192.2	21.8662	1228	31.05	51.5	254.572472	233.68606
192.2	19.93504	1230	31.05	27	254.706168	236.555104
192.2	20.02604	1241	31.67	57.7	254.578327	240.466634
192.2	29.35553	1255	31.945	77.3	254.923123	251.697423
192.2	20.83202	1263	31.947	34.2	255.001154	256.687179
192.2	11.79825	1232	31.353	0	254.432325	248.083969
192.2	11.31765	1210	30.762	0	253.953585	239.572843
192.2	11.10326	1186	30.163	0	252.475422	231.435588
192.2	10.8609	1163	29.475	0	253.014167	224.650889
192.2	10.63492	1116	28.189	0.6	253.198254	219.015446
192	10.40909	1191	26.884	0.9	250.241767	213.006485

0.38407	0.28691	4.21892	7782.732
0.38432	0.28739	4.22243	7784.862
0.38457	0.28797	4.22665	7788.329
0.38486	0.28856	4.23053	7792.98
0.38534	0.28916	4.23327	7797.566
0.38603	0.28971	4.23594	7801.653
0.3866	0.29011	4.2381	7804.53
0.38719	0.29053	4.24031	7807.254
0.38782	0.29096	4.2425	7809.729
0.38839	0.29146	4.24456	7812.144
0.38885	0.29196	4.24653	7814.453
0.38924	0.29248	4.24908	7816.945
0.38956	0.29293	4.25097	7819.196
0.38976	0.29322	4.25202	7820.445
0.39008	0.2937	4.25327	7821.967
0.39054	0.29439	4.25637	7823.828
0.39096	0.29508	4.26188	7827.468
0.39207	0.29567	4.2656	7830.926
0.39368	0.29635	4.26791	7834.494
0.39554	0.29706	4.27218	7838.906
0.39727	0.29775	4.27663	7844.25
0.39908	0.29848	4.2804	7850.028
0.40039	0.29897	4.28287	7854.007
0.40133	0.29934	4.28446	7856.227
0.40187	0.29957	4.28496	7857.272
0.40224	0.29979	4.28559	7857.928
0.40268	0.30013	4.28679	7858.668
0.4031	0.30056	4.28924	7859.38
0.40341	0.301	4.29318	7861.178
0.40367	0.30139	4.29684	7863.527
0.40394	0.30179	4.29804	7865.602
0.4042	0.30213	4.29926	7867.028
0.40439	0.30239	4.30011	7867.911
0.40455	0.30262	4.30092	7868.61
0.4047	0.30288	4.30214	7869.36
0.4049	0.30326	4.30332	7870.165
0.40508	0.30362	4.30464	7870.829
0.40523	0.304	4.30696	7871.769
0.40538	0.30437	4.30963	7873.307
0.40556	0.30486	4.31258	7875.536
0.40568	0.30518	4.31442	7877.367
0.40578	0.30543	4.31584	7879.078
0.40587	0.30566	4.31668	7880.672
0.40598	0.30587	4.31741	7881.992
0.40609	0.30609	4.31802	7882.919
0.4062	0.30627	4.31852	7883.459
0.4063	0.30647	4.31908	7883.807

10:43:05.351	-9	0.00009	0.00019	0.00075	0.255	0.000025
10:43:06.351	-9	0.00008	0.00018	0.00083	0.201	0.00002
10:43:07.351	-9	0.00008	0.00019	0.0009	0.169	0.000017
10:43:08.351	-9	0.00007	0.00017	0.00092	0.144	0.000014
10:43:09.351	-9	0.00007	0.00018	0.00089	0.127	0.000012
10:43:10.351	-9	0.00007	0.00018	0.00086	0.115	0.000011
10:43:11.351	-9	0.00007	0.00019	0.00084	0.103	0.00001
10:43:12.351	-9	0.00006	0.00017	0.00081	0.091	0.000009
10:43:13.351	-9	0.00006	0.00017	0.00078	0.079	0.000008
10:43:14.351	-9	0.00006	0.00017	0.00083	0.073	0.000007
10:43:15.351	-9	0.00006	0.00018	0.00081	0.069	0.000008
10:43:16.351	-9	0.00007	0.00021	0.00061	0.071	0.000008
10:43:17.351	-9	0.0001	0.0003	0.00104	0.097	0.000012
10:43:18.351	-9	0.00008	0.00025	0.00082	0.079	0.00001
10:43:19.351	-9	0.00008	0.00025	0.00087	0.158	0.000015
10:43:20.351	-9	0.0001	0.00031	0.00138	0.353	0.000034
10:43:21.351	-9	0.00008	0.00027	0.00141	0.35	0.000034
10:43:22.351	-9	0.00011	0.00036	0.0019	0.686	0.000067
10:43:23.351	-9	0.00011	0.0004	0.00249	0.93	0.000091
10:43:24.351	-9	0.00011	0.00036	0.00182	0.977	0.000095
10:43:25.351	-9	0.00012	0.00043	0.00234	1.332	0.000129
10:43:26.351	-9	0.00015	0.0006	0.00334	2.413	0.000234
10:43:27.351	-9	0.00016	0.00063	0.00337	3.521	0.000341
10:43:28.351	-9	0.00018	0.00057	0.00237	3.459	0.000335
10:43:29.351	-9	0.00028	0.00052	0.00185	3.536	0.000342
10:43:30.351	-9	0.00036	0.00053	0.00198	3.307	0.00032
10:43:31.351	-9	0.00037	0.00048	0.00197	3.185	0.000308
10:43:32.351	-9	0.00044	0.00058	0.00243	3.61	0.00035
10:43:33.351	-9	0.00054	0.0007	0.00345	4.595	0.000445
10:43:34.351	-9	0.00072	0.00087	0.00453	6.263	0.000606
10:43:35.351	-9	0.00117	0.00095	0.0038	7.46	0.000721
10:43:36.351	-9	0.00154	0.0009	0.0041	7.599	0.000734
10:43:37.351	-9	0.00139	0.00079	0.00315	5.973	0.000577
10:43:38.351	-9	0.0011	0.00061	0.00286	4.327	0.000419
10:43:39.351	-9	0.00093	0.00055	0.00289	3.905	0.000378
10:43:40.351	-9	0.00087	0.00053	0.00269	4.017	0.000389
10:43:41.351	-9	0.00078	0.00054	0.00247	4.078	0.000394
10:43:42.351	-9	0.00069	0.00052	0.00238	3.895	0.000377
10:43:43.351	-9	0.00069	0.00049	0.00262	3.908	0.000378
10:43:44.351	-9	0.00077	0.00063	0.00328	4.537	0.000439
10:43:45.351	-9	0.00094	0.00066	0.00382	6.193	0.000599
10:43:46.351	-9	0.00144	0.00075	0.0032	6.962	0.000673
10:43:47.351	-9	0.00206	0.00072	0.00278	6.845	0.000661
10:43:48.351	-9	0.0026	0.00078	0.00302	7.376	0.000713
10:43:49.351	-9	0.00282	0.0009	0.00357	8.027	0.000775
10:43:50.351	-9	0.00249	0.00077	0.0029	7.297	0.000705
10:43:51.351	-9	0.00204	0.00073	0.00243	5.702	0.000551

27.8	5.30E+00	4.800	1.400	4.079	1.189	35.700
27.8	4.90E+00	4.300	1.400	3.663	1.192	34.900
27.8	4.50E+00	3.900	1.400	3.330	1.194	36.300
26.6	4.30E+00	3.600	1.400	3.075	1.195	33.800
26.5	4.30E+00	3.600	1.400	3.076	1.196	36.100
25.4	4.20E+00	3.500	1.400	2.993	1.198	33.100
25.3	3.90E+00	3.100	1.400	2.653	1.198	35.900
23.6	3.80E+00	3.000	1.400	2.569	1.199	34.200
22	3.70E+00	2.900	1.400	2.484	1.199	34.900
22	3.70E+00	2.900	1.400	2.482	1.198	34.600
21.9	3.70E+00	2.900	1.400	2.481	1.198	34.800
20.4	3.70E+00	2.900	1.400	2.481	1.198	36.700
20.3	3.60E+00	2.800	1.400	2.396	1.198	34.600
18.2	3.50E+00	2.700	1.400	2.312	1.198	36.700
18.1	3.40E+00	2.600	1.400	2.223	1.197	34.700
16.9	3.40E+00	2.600	1.400	2.211	1.190	36.900
15.7	3.40E+00	2.600	1.400	2.206	1.188	37.500
15.7	3.40E+00	2.600	1.400	2.193	1.181	36.100
15.7	3.30E+00	2.500	1.400	2.097	1.174	38.300
14.7	3.30E+00	2.500	1.400	2.089	1.170	36.500
14	3.20E+00	2.500	1.400	2.075	1.162	39.700
14	3.30E+00	2.600	1.400	2.125	1.145	43.100
14.1	3.30E+00	2.700	1.400	2.167	1.124	42.600
15.3	4.10E+00	3.600	1.500	2.860	1.195	42.500
15.4	6.10E+00	6.100	1.500	4.852	1.198	37.100
17.3	8.10E+00	8.700	1.500	6.944	1.200	40.100
18.2	8.60E+00	9.300	1.500	7.446	1.201	36.600
18.2	8.70E+00	9.400	1.500	7.538	1.203	38.800
18.2	8.70E+00	9.400	1.500	7.526	1.201	37.200
19	9.40E+00	10.300	1.500	8.199	1.192	37.500
20.6	1.38E+01	16.000	1.500	12.640	1.183	37.400
20.7	1.86E+01	22.100	1.500	17.392	1.179	36.100
23.6	2.07E+01	24.700	1.500	19.480	1.184	39.100
23.7	2.08E+01	24.700	1.500	19.624	1.192	38.100
25.3	1.93E+01	22.800	1.500	18.136	1.192	37.900
25.3	1.80E+01	21.200	1.500	16.837	1.190	36.300
25.3	1.61E+01	18.800	1.500	14.930	1.189	36.600
26.2	1.47E+01	17.000	1.500	13.499	1.190	36.600
26.8	1.43E+01	16.500	1.500	13.118	1.193	34.100
26.8	1.39E+01	16.000	1.500	12.737	1.192	37.700
26.8	1.38E+01	16.000	1.500	12.602	1.182	31.900
27.4	1.96E+01	23.400	1.600	18.378	1.254	33.800
27.5	2.89E+01	35.300	1.600	27.673	1.253	33.700
29.1	3.36E+01	41.300	1.600	32.378	1.254	33.200
31	3.38E+01	41.600	1.600	32.581	1.253	35.600
31.1	3.33E+01	41.000	1.600	32.063	1.251	34.000
33	3.16E+01	38.400	1.600	30.315	1.264	37.600

191.6	11.35971	1244	26.08	0	251.189286	207.957756
191.3	11.10936	1216	25.46	0	244.845918	203.6
190.9	10.93609	1189	24.84	0	233.902012	199.105588
190.5	10.8	1166	24.22	0	232.837705	195.697585
190.4	10.69535	1146	23.6	0	223.471563	192.770588
190.4	11.49829	1271	22.549	0	227.29453	189.273363
190.4	11.31329	1235	21.712	0	236.415385	186.763199
190.4	10.93102	1192	20.951	0	244.089352	184.715385
	10.67081	1149	20.165	0	248.448393	182.287261
	10.31796	1102	19.25	0	247.121561	180.403529
	11.35198	1271	18.348	0	245.28365	178.621429
	11.53247	1274	17.06	5.8	247.536534	176.26904
	19.11886	1226	16.466	13.3	245.82381	176.89824
190.4	14.08563	1186	15.863	3.5	245.058412	176.611984
190.4	9.80797	1130	15.197	12	247.123737	174.897802
190.4	20.79585	1218	14.9	23	242.727551	180.444681
190.4	17.32559	961	14.883	16.6	231.32365	182.991463
190.4	15.45168	1034	13.66	28.4	215.775472	182.183315
	26.39123	1430	13.04	38.2	217.916	186.159707
	19.02714	1193	13.66	55.9	220.777615	193.019048
	23.77804	1366	13.963	69.1	226.295565	204.667347
	29.52358	1426	14.584	67.5	232.104167	219.3619
	35.62072	1551	15.811	67.6	239.609677	234.445593
190.4	23.25023	1423	16.534	58.3	246.575926	244.763158
190.4	28.84416	1480	17.234	60.2	246.750282	247.871126
190.4	26.35758	1465	17.39	57	249.264823	251.280625
190.4	27.29075	1481	17.997	55.7	248.280732	251.976982
190.4	30.4227	1523	18.098	55.3	248.571038	254.926695
190.4	40.86428	1699	18.67	75.6	249.235822	266.798062
190.4	47.01659	1818	19.885	74.8	253.889503	284.778641
190.4	55.14436	1944	21.289	77.3	250.738608	307.057414
190.4	54.54789	1997	22.651	71.3	245.879038	326.124947
	46.31683	1774	23.905	64	248.892817	327.452432
	30.71938	1405	24.52	78.2	247.852981	325.465035
	29.77674	1421	24.84	67.4	247.733141	321.364322
	29.43244	1439	25.46	63.5	244.846	317.607716
	32.76855	1459	25.46	70.7	244.695539	317.690668
192.2	28.8637	1470	26.08	59.7	244.911272	312.935392
192.2	28.94936	1476	26.08	70.6	241.498458	310.04812
192.2	38.23361	1504	26.561	79.1	249.130263	316.869641
192.2	43.1962	1550	27.32	77.7	274.418182	328.504516
192.2	46.40917	1602	28.195	82	287.376131	342.607021
192.5	45.90049	1657	29.19	67.3	289.632819	352.918332
192.9	49.1208	1704	30.11	72.7	294.441651	357.947717
193.4	53.42171	1763	31.05	75.3	284.007308	370.632051
193.8	44.61228	1812	31.817	62	251.682251	379.172593
	40.29797	1628	32.29	61.1	237.504434	370.352609

0.40639	0.30666	4.31983	7884.062
0.40647	0.30684	4.32066	7884.263
0.40655	0.30703	4.32156	7884.432
0.40662	0.3072	4.32248	7884.576
0.40669	0.30738	4.32337	7884.703
0.40676	0.30756	4.32423	7884.818
0.40683	0.30775	4.32507	7884.921
0.40689	0.30792	4.32588	7885.012
0.40695	0.30809	4.32666	7885.091
0.40701	0.30826	4.32749	7885.164
0.40707	0.30844	4.3283	7885.233
0.40714	0.30865	4.32891	7885.304
0.40724	0.30895	4.32995	7885.401
0.40732	0.3092	4.33077	7885.48
0.4074	0.30945	4.33164	7885.638
0.4075	0.30976	4.33302	7885.991
0.40758	0.31003	4.33443	7886.341
0.40769	0.31039	4.33633	7887.027
0.4078	0.31079	4.33882	7887.957
0.40791	0.31115	4.34064	7888.934
0.40803	0.31158	4.34298	7890.266
0.40818	0.31218	4.34632	7892.679
0.40834	0.31281	4.34969	7896.2
0.40852	0.31338	4.35206	7899.659
0.4088	0.3139	4.35391	7903.195
0.40916	0.31443	4.35589	7906.502
0.40953	0.31491	4.35786	7909.687
0.40997	0.31549	4.36029	7913.297
0.41051	0.31619	4.36374	7917.892
0.41123	0.31706	4.36827	7924.155
0.4124	0.31801	4.37207	7931.615
0.41394	0.31891	4.37617	7939.214
0.41533	0.3197	4.37932	7945.187
0.41643	0.32031	4.38218	7949.514
0.41736	0.32086	4.38507	7953.419
0.41823	0.32139	4.38776	7957.436
0.41901	0.32193	4.39023	7961.514
0.4197	0.32245	4.39261	7965.409
0.42039	0.32294	4.39523	7969.317
0.42116	0.32357	4.39851	7973.854
0.4221	0.32423	4.40233	7980.047
0.42354	0.32498	4.40553	7987.009
0.4256	0.3257	4.40831	7993.854
0.4282	0.32648	4.41133	8001.23
0.43102	0.32738	4.4149	8009.257
0.43351	0.32815	4.4178	8016.554
0.43555	0.32888	4.42023	8022.256

10:43:52.351	-9	0.00159	0.00061	0.00275	4.791	0.000463
10:43:53.351	-9	0.0015	0.00066	0.00331	5.004	0.000484
10:43:54.351	-9	0.00144	0.00059	0.00266	4.987	0.000482
10:43:55.351	-9	0.00178	0.00073	0.00317	6.443	0.000623
10:43:56.351	-9	0.00193	0.00078	0.00334	7.268	0.000702
10:43:57.351	-9	0.00176	0.00059	0.00238	5.551	0.000536
10:43:58.351	-9	0.00155	0.0005	0.0017	3.533	0.000342
10:43:59.351	-9	0.00147	0.0005	0.00242	3.339	0.000323
10:44:00.351	-9	0.00167	0.00078	0.00664	5.732	0.000555
10:44:01.351	-9	0.00188	0.00124	0.07677	9.192	0.000899
10:44:02.351	-9	0.00233	0.00084	0.05638	6.229	0.00061
10:44:03.351	-9	0.00264	0.00065	0.02523	3.472	0.00034
10:44:04.351	-9	0.00246	0.00058	0.01195	3.312	0.000322
10:44:05.351	-9	0.00208	0.00071	0.00977	4.775	0.000463
10:44:06.351	-9	0.00215	0.00093	0.00948	8.023	0.000776
10:44:07.351	-9	0.00249	0.00119	0.00767	10.449	0.001009
10:44:08.351	-9	0.00307	0.00104	0.00577	9.787	0.000945
10:44:09.351	-9	0.00342	0.00096	0.00515	9.298	0.000898
10:44:10.351	-9	0.00336	0.00106	0.00447	9.715	0.000938
10:44:11.351	-9	0.00262	0.00088	0.00365	8.316	0.000803
10:44:12.351	-9	0.0023	0.00111	0.00502	9.117	0.00088
10:44:13.351	-9	0.00235	0.00113	0.00457	10.626	0.001025
10:44:14.351	-9	0.00442	0.00176	0.01722	16.715	0.001614
10:44:15.351	-9	0.01129	0.00154	0.023	13.815	0.001337
10:44:16.351	-9	0.01022	0.00071	0.00806	5.913	0.000572
10:44:17.351	-9	0.00563	0.0004	0.00293	3.075	0.000298
10:44:18.351	-9	0.00367	0.00034	0.00232	2.534	0.000245
10:44:19.351	-9	0.0025	0.00045	0.00238	2.705	0.000262
10:44:20.351	-9	0.00152	0.00044	0.00211	2.311	0.000224
10:44:21.351	-9	0.00093	0.00046	0.00219	2.003	0.000194
10:44:22.351	-9	0.00066	0.00045	0.00238	2.05	0.000199
10:44:23.351	-9	0.00049	0.00041	0.00212	2.109	0.000204
10:44:24.351	-9	0.00039	0.00042	0.00209	1.974	0.000191
10:44:25.351	-9	0.00033	0.0004	0.0024	1.786	0.000173
10:44:26.351	-9	0.00029	0.00042	0.00258	1.665	0.000162
10:44:27.351	-9	0.0003	0.00046	0.00284	1.998	0.000194
10:44:28.351	-9	0.00027	0.00047	0.00242	1.712	0.000166
10:44:29.351	-9	0.00022	0.00042	0.00276	1.6	0.000155
10:44:30.351	-9	0.00017	0.00034	0.00211	1.386	0.000135
10:44:31.351	-9	0.00018	0.0004	0.00207	1.485	0.000144
10:44:32.351	-9	0.00013	0.00026	0.00096	0.796	0.000077
10:44:33.351	-9	0.00024	0.00061	0.0013	1.063	0.000103
10:44:34.351	-9	0.00033	0.00081	0.00211	0.88	0.000086
10:44:35.351	-9	0.00032	0.00088	0.00188	0.516	0.00005
10:44:36.351	-9	0.0003	0.00085	0.00305	0.324	0.000033
10:44:37.351	-9	0.00029	0.00081	0.00322	0.246	0.000033
10:44:38.351	-9	0.00028	0.00086	0.00312	0.201	0.000032

33	2.73E+01	32.800	1.600	26.040	1.271	35.000
33	2.54E+01	30.500	1.600	24.180	1.268	36.900
33.7	2.53E+01	30.400	1.600	24.026	1.265	34.500
34.4	2.52E+01	30.500	1.500	24.011	1.181	34.100
34.4	2.57E+01	31.200	1.600	24.415	1.252	34.700
35.7	3.01E+01	36.800	1.600	28.820	1.255	33.400
35.7	3.38E+01	40.800	1.600	32.567	1.278	35.900
35.7	3.15E+01	37.600	1.600	30.192	1.285	35.600
36.2	2.47E+01	29.600	1.600	23.452	1.268	38.400
36.6	2.05E+01	24.700	1.600	19.262	1.246	44.900
36.6	3.66E+01	45.200	1.600	35.335	1.250	43.600
36.7	4.97E+01	59.900	1.600	48.401	1.292	40.700
38.6	4.60E+01	55.100	1.600	44.695	1.297	36.100
38.6	3.37E+01	40.700	1.600	32.460	1.277	38.100
38.8	2.57E+01	31.200	1.600	24.469	1.254	36.900
38.9	2.55E+01	31.300	1.600	24.241	1.240	40.600
40.3	3.37E+01	41.900	1.600	32.462	1.239	38.100
40.4	3.81E+01	47.400	1.600	36.840	1.244	35.300
43.3	3.66E+01	45.400	1.700	35.249	1.317	38.100
45.6	3.19E+01	39.200	1.700	30.534	1.325	35.600
45.7	2.67E+01	32.600	1.700	25.334	1.319	42.500
47.6	2.52E+01	31.200	1.600	23.997	1.231	40.300
47.7	3.06E+01	38.200	1.600	29.347	1.228	40.500
50.1	8.46E+01	107.300	1.600	83.385	1.244	38.200
50.2	1.58E+02	198.900	1.500	156.575	1.181	36.100
53.3	1.52E+02	190.000	1.500	150.890	1.191	35.800
53.3	1.11E+02	137.000	1.500	109.471	1.199	34.100
53.3	6.40E+01	78.100	1.500	62.842	1.208	38.400
53.7	3.95E+01	47.100	1.500	38.285	1.219	38.300
53.6	2.38E+01	27.600	1.500	22.589	1.229	39.300
53.6	1.75E+01	19.900	1.500	16.282	1.226	39.200
53.9	1.33E+01	14.800	1.500	12.081	1.222	37.500
53.9	1.07E+01	11.600	1.500	9.502	1.225	38.400
54.2	9.10E+00	9.600	1.500	7.903	1.234	36.200
54.2	8.20E+00	8.500	1.500	6.991	1.234	39.300
54.3	7.40E+00	7.500	1.500	6.158	1.232	38.000
54.3	6.80E+00	6.700	1.500	5.532	1.239	39.700
54.3	6.20E+00	6.000	1.500	4.956	1.238	38.900
54.4	5.80E+00	5.500	1.500	4.530	1.235	38.200
54.4	5.40E+00	5.100	1.500	4.209	1.237	40.100
54.9	5.40E+00	5.000	1.500	4.168	1.250	37.500
54.9	4.70E+00	4.100	1.500	3.469	1.266	40.400
54.5	4.50E+00	3.800	1.500	3.234	1.277	37.200
54.5	4.20E+00	3.400	1.500	2.913	1.283	38.200
54.3	3.90E+00	3.100	1.500	2.655	1.284	36.600
54.3	3.90E+00	3.000	1.500	2.570	1.284	35.500
53.3	3.90E+00	3.000	1.500	2.568	1.284	38.700

	32.35879	1555	32.604	76.1	239.498214	364.636533
	38.86662	1575	32.91	75.5	240.500375	365.148761
	27.0638	1587	33.237	78.4	238.1019	362.771327
	43.78824	1610	33.836	85.5	240.606606	368.794912
194	51.76664	1649	34.489	72.5	238.822947	382.473134
194	32.04421	1689	35.261	61	248.076349	377.320652
194	26.58365	1405	34.78	55.7	250.122691	362.7292
194	25.79094	1382	34.924	78.3	273.536988	353.177582
194	45.00652	1401	35.708	93.6	292.210701	362.382646
194.3	60.50591	1453	36.64	83	292.700576	391.353838
194.7	42.77208	1469	37.26	14.6	291.643289	392.256189
195.1	23.5178	1492	37.26	46.2	283.47973	367.925918
195.5	34.27365	1486	37.88	87.2	265.554231	362.569594
195.8	40.06865	1513	38.5	73	267.236994	368.184084
195.8	55.1984	1544	39.189	76.6	269.398563	388.4212
195.8	65.15674	1600	40.426	82.1	278.701866	416.700099
195.8	55.94603	1653	41.716	79	283.256875	432.47886
195.8	54.87459	1699	43.074	76.4	268.341747	437.838667
196	60.73881	1743	44.443	76.7	252.433077	448.553496
196.3	56.175	1694	45.183	80.1	275.0475	439.192857
196.7	54.98425	1503	46.528	93.7	289.093711	452.523188
197.1	57.84733	1541	47.811	88.2	309.724615	466.34087
197.5	85.70512	1589	49.148	91.7	323.651667	481.412
197.8	87.55725	1646	51.008	79	332.823013	495.7472
198.2	37.05075	1675	51.628	72.4	333.725	484.131765
198.6	20.66576	1404	52.16	58.5	323.864657	457.38
199	20.55363	1402	52.16	40.5	336.723879	431.033482
199.3	21.09077	1403	52.16	30.9	331.743983	406.3661
199.1	24.55458	1399	52.16	35.2	332.639642	384.579805
198.7	25.11724	1402	52.16	36.5	324.388957	370.770254
198.4	25.39927	1403	52.16	40.8	318.290683	359.18589
198	21.98375	1406	52.16	26.3	314.350602	346.6875
197.7	22.76515	1409	52.16	36.8	306.481414	334.659055
197.3	23.20027	1414	52.16	43.4	302.469958	326.895294
196.9	22.98744	1418	52.78	27.5	299.375574	319.648713
196.5	28.1238	1418	52.78	37.9	297.056923	310.056154
196.1	25.03265	1425	52.78	38.9	292.051591	305.232939
195.7	24.6725	1429	52.78	29.2	289.3	301.546948
195.3	14.27175	1426	52.78	0	287.8375	293.172549
195	26.34399	1424	52.78	2.7	288.07025	281.871058
194.6	13.12089	1422	52.78	7.9	287.176327	274.851034
194.2	35.1642	1420	52.78	0.5	287.594329	267.721058
193.8	46.99046	1416	52.78	0	287.579958	257.059824
193.4	48.88463	1411	52.16	0	289.13	245.077154
193.1	48.09354	1391	51.702	0	289.484927	233.541041
192.7	47.39064	1372	50.92	0	278.597439	224.194463
192.3	46.72427	1353	50.211	0	275.355405	215.345491

0.43714	0.32949	4.42298	8027.047
0.43864	0.33015	4.42629	8032.051
0.44008	0.33074	4.42895	8037.038
0.44186	0.33147	4.43212	8043.481
0.44379	0.33225	4.43546	8050.749
0.44555	0.33284	4.43784	8056.3
0.4471	0.33334	4.43954	8059.833
0.44857	0.33384	4.44196	8063.172
0.45024	0.33462	4.4486	8068.904
0.45212	0.33586	4.52537	8078.096
0.45445	0.3367	4.58175	8084.325
0.45709	0.33735	4.60698	8087.797
0.45955	0.33793	4.61893	8091.109
0.46163	0.33864	4.6287	8095.884
0.46378	0.33957	4.63818	8103.907
0.46627	0.34076	4.64585	8114.356
0.46934	0.3418	4.65162	8124.143
0.47276	0.34276	4.65677	8133.441
0.47612	0.34382	4.66124	8143.156
0.47874	0.3447	4.66489	8151.472
0.48104	0.34581	4.66991	8160.589
0.48339	0.34694	4.67448	8171.215
0.48781	0.3487	4.6917	8187.93
0.4991	0.35024	4.7147	8201.745
0.50932	0.35095	4.72276	8207.658
0.51495	0.35135	4.72569	8210.733
0.51862	0.35169	4.72801	8213.267
0.52112	0.35214	4.73039	8215.972
0.52264	0.35258	4.7325	8218.283
0.52357	0.35304	4.73469	8220.286
0.52423	0.35349	4.73707	8222.336
0.52472	0.3539	4.73919	8224.445
0.52511	0.35432	4.74128	8226.419
0.52544	0.35472	4.74368	8228.205
0.52573	0.35514	4.74626	8229.87
0.52603	0.3556	4.7491	8231.868
0.5263	0.35607	4.75152	8233.58
0.52652	0.35649	4.75428	8235.18
0.52669	0.35683	4.75639	8236.566
0.52687	0.35723	4.75846	8238.051
0.527	0.35749	4.75942	8238.847
0.52724	0.3581	4.76072	8239.91
0.52757	0.35891	4.76283	8240.79
0.52789	0.35979	4.76471	8241.306
0.52819	0.36064	4.76776	8241.63
0.52848	0.36145	4.77098	8241.876
0.52876	0.36231	4.7741	8242.077

10:44:39.351	-9	0.00028	0.00084	0.00306	0.151	0.000031
10:44:40.351	-9	0.00024	0.00078	0.00274	0.135	0.000028
10:44:41.351	-9	0.00011	0.0003	0.0012	0.059	0.000012
10:44:42.351	-9	0.00012	0.00034	0.00143	0.109	0.000014
10:44:43.351	-9	0.00011	0.00033	0.00139	0.189	0.000019
10:44:44.351	-9	0.00011	0.00032	0.00156	0.282	0.000028
10:44:45.351	-9	0.00012	0.00041	0.00211	0.487	0.000048
10:44:46.351	-9	0.00014	0.00046	0.0021	0.575	0.000056
10:44:47.351	-9	0.00008	0.00028	0.0006	0.23	0.000022
10:44:48.351	-9	0.00019	0.00059	0.00218	0.329	0.000032
10:44:49.351	-9	0.00022	0.00072	0.00326	0.253	0.000028
10:44:50.351	-9	0.00023	0.00073	0.00267	0.175	0.000029
10:44:51.351	-9	0.00023	0.00071	0.00178	0.135	0.000029
10:44:52.351	-9	0.00023	0.00074	0.00202	0.117	0.000029
10:44:53.351	-9	0.00014	0.00043	0.00127	0.064	0.000018
10:44:54.351	-9	0.00013	0.00043	0.00134	0.133	0.000016
10:44:55.351	-9	0.00011	0.00037	0.0022	0.481	0.000047
10:44:56.351	-9	0.00011	0.00039	0.0032	1.259	0.000122
10:44:57.351	-9	0.0001	0.00036	0.00312	2.089	0.000203
10:44:58.351	-9	0.00008	0.00027	0.00171	1.587	0.000154
10:44:59.351	-9	0.00017	0.00063	0.00128	2.48	0.00024
10:45:00.351	-9	0.0002	0.00064	0.00088	1.564	0.000152
10:45:01.351	-9	0.00019	0.00067	0.00129	0.706	0.000069
10:45:02.351	-9	0.00012	0.00042	0.00158	0.246	0.000024
10:45:03.351	-9	0.00015	0.00053	0.0038	0.346	0.000034
10:45:04.351	-9	0.00018	0.00071	0.01115	3.742	0.000364
10:45:05.351	-9	0.00021	0.00093	0.03085	7.054	0.000686
10:45:06.351	-9	0.00042	0.00096	0.04147	8.134	0.000791
10:45:07.351	-9	0.00075	0.00078	0.02629	7.891	0.000765
10:45:08.351	-9	0.0008	0.00068	0.01123	6.372	0.000617
10:45:09.351	-9	0.00068	0.00053	0.00456	4.75	0.000459
10:45:10.351	-9	0.00053	0.00049	0.00235	3.448	0.000334
10:45:11.351	-9	0.00039	0.0005	0.00282	3.317	0.000321
10:45:12.351	-9	0.0003	0.00054	0.00333	3.773	0.000365
10:45:13.351	-9	0.00031	0.00065	0.00338	4.817	0.000466
10:45:14.351	-9	0.00037	0.00084	0.00512	7.323	0.000708
10:45:15.351	-9	0.00037	0.00089	0.00537	7.798	0.000753
10:45:16.351	-9	0.00039	0.00065	0.00341	5.722	0.000553
10:45:17.351	-9	0.00031	0.00044	0.00197	3.359	0.000325
10:45:18.351	-9	0.00029	0.0004	0.00128	2.606	0.000252
10:45:19.351	-9	0.0002	0.00031	0.0013	1.718	0.000166
10:45:20.351	-9	0.00035	0.00071	0.00252	2.924	0.000283
10:45:21.351	-9	0.00034	0.00071	0.00183	1.922	0.000187
10:45:22.351	-9	0.00027	0.00067	0.00124	0.823	0.00008
10:45:23.351	-9	0.00011	0.00028	0.00107	0.205	0.00002
10:45:24.351	-9	0.00008	0.00021	0.0006	0.108	0.000011
10:45:25.351	-9	0.00007	0.00019	0.00068	0.1	0.00001

51.9	3.90E+00	3.000	1.500	2.568	1.284	38.500
51.9	3.80E+00	2.900	1.500	2.483	1.284	40.200
51.9	3.80E+00	2.900	1.500	2.482	1.284	35.600
51.2	3.70E+00	2.800	1.500	2.396	1.284	34.000
51.2	3.50E+00	2.600	1.500	2.225	1.284	33.500
51.2	3.50E+00	2.600	1.500	2.218	1.280	34.900
51.2	3.40E+00	2.500	1.500	2.126	1.275	38.100
51.6	3.40E+00	2.500	1.500	2.124	1.275	36.000
51.3	3.40E+00	2.500	1.500	2.132	1.279	37.600
51.3	3.40E+00	2.500	1.500	2.139	1.284	35.600
51.3	3.40E+00	2.500	1.500	2.140	1.284	37.100
50.9	3.40E+00	2.500	1.500	2.140	1.284	36.400
50.3	3.40E+00	2.500	1.500	2.140	1.284	34.900
50.3	3.40E+00	2.500	1.500	2.140	1.284	37.100
50.3	3.40E+00	2.500	1.500	2.140	1.284	34.400
50.3	3.30E+00	2.400	1.500	2.054	1.284	37.500
50.3	3.10E+00	2.300	1.400	1.955	1.190	34.000
50.1	3.10E+00	2.300	1.400	1.917	1.167	34.300
50.1	3.00E+00	2.300	1.400	1.867	1.136	35.100
50.7	3.00E+00	2.300	1.400	1.863	1.134	35.000
50.7	3.00E+00	2.300	1.400	1.896	1.154	37.900
50.6	3.10E+00	2.300	1.400	1.933	1.177	34.000
47.4	3.00E+00	2.200	1.300	1.874	1.107	35.100
47.4	2.90E+00	2.100	1.300	1.797	1.113	32.200
47.6	2.80E+00	2.000	1.300	1.710	1.112	33.700
47.6	2.70E+00	2.000	1.300	1.631	1.060	34.900
47.7	2.70E+00	2.100	1.300	1.662	1.026	38.900
48.7	5.30E+00	5.500	1.400	4.262	1.087	40.400
48.8	1.01E+01	11.600	1.400	9.011	1.085	34.600
51.1	1.27E+01	14.900	1.400	11.595	1.090	36.200
52.8	1.31E+01	15.200	1.400	11.962	1.102	33.800
52.8	1.20E+01	13.600	1.400	10.866	1.117	36.700
53.1	8.60E+00	9.400	1.400	7.519	1.122	37.100
53.1	6.20E+00	6.300	1.400	5.049	1.118	36.300
53.1	5.50E+00	5.500	1.400	4.357	1.108	38.000
53.1	5.10E+00	5.100	1.400	3.980	1.092	38.000
53.6	5.20E+00	5.300	1.400	4.090	1.081	41.300
53.6	6.90E+00	7.400	1.400	5.764	1.092	37.600
54.1	8.10E+00	8.800	1.400	6.949	1.107	37.200
54.1	8.30E+00	9.000	1.400	7.197	1.120	38.000
54.1	7.60E+00	8.000	1.400	6.479	1.130	39.900
53.2	6.50E+00	6.500	1.400	5.314	1.143	43.700
53.1	5.60E+00	5.300	1.400	4.431	1.169	38.400
50.6	4.80E+00	4.200	1.400	3.565	1.188	39.200
45.7	4.40E+00	3.700	1.400	3.162	1.195	36.200
45.7	4.20E+00	3.500	1.400	2.994	1.197	37.200
45.4	4.00E+00	3.300	1.400	2.823	1.198	36.600

192.2	45.83429	1344	49.68	0	276.119167	208.511456
192.2	45.3423	1340	49.68	0	277.948795	202.448169
192.2	20.43115	1341	49.68	0.5	267.650313	198.4706
192.2	18.57094	1339	49.68	6.7	265.858805	198.137263
192.2	20.53595	1338	49.68	12.9	266.944501	199.295669
192.2	22.72083	1341	49.68	4.4	269.575934	201.558509
192.2	12.5222	1337	49.68	0	259.228866	200.893626
192.2	41.33311	1333	49.284	0	257.411976	199.0089
192.2	12.53798	1325	49.06	0.7	256.252381	195.781429
192.2	17.06955	1322	49.06	0	264.218868	193.581667
191.8	40.90618	1320	49.06	0	273.075385	190.800543
191.4	42.941	1316	49.06	0	271.300673	186.4456
191.1	42.8257	1310	48.44	0	278.264103	181.630345
190.7	42.78297	1305	48.44	0	294.025676	177.015484
	31.68139	1294	48.44	10.3	292.433271	174.10892
	21.39523	1307	48.44	49	290.608333	180.568364
	23.11169	1317	48.591	68.2	289.548851	196.443069
	24.66664	1315	49.06	67.4	293.801113	212.460883
	24.46234	1320	49.06	29.4	295.362188	214.056293
190.4	14.477	1319	48.89	0.6	294.32069	209.484431
190.4	38.21192	1292	47.82	0	291.522433	203.074359
190.4	40.3236	1262	47.013	0	297.83031	194.356667
190.4	40.94108	1252	46.58	2	301.013779	186.077836
190.4	25.85692	1250	46.286	33.8	299.684489	182.338438
190.4	27.80141	1259	46.58	89	297.9425	199.9194
190.4	51.01414	1281	47.502	88.2	294.622222	242.602157
190.4	52.094	1309	48.744	88	294.805192	289.704204
190.4	50.08442	1339	49.416	85.6	294.03125	327.129032
190.4	45.82818	1367	50.762	79.2	295.034731	344.805
	33.08002	1380	51.351	65	289.944444	349.525711
	23.90653	1385	51.54	58.9	285.349489	335.788737
	27.09532	1388	51.54	67.8	282.050307	326.085113
	27.78261	1383	51.54	69.4	280.738493	319.712781
	30.66928	1384	51.54	78.3	277.318033	319.2
192.4	37.87802	1389	51.54	87.2	273.10844	332.028155
192.8	49.2063	1400	52.027	84.2	280.761579	356.938889
193.2	46.04047	1413	52.772	70.1	293.598945	372.939586
193.6	31.79072	1410	52.16	62.8	298.4702	367.14766
194	22.777	1400	51.862	48.5	306.883493	351.444505
194	21.43255	1382	51.121	39.2	289.538033	333.490584
194	12.57363	1355	50.471	2.4	283.742775	315.751305
194	36.81531	1312	48.453	0	266.390551	297.3375
194	40.35258	1251	46.272	0	256.150699	276.343407
193.8	38.55738	1171	43.376	0	249.114644	254.333516
193.5	14.26775	1077	39.759	0	246.26618	238.82973
193.1	11.48295	1180	36.362	0	245.421698	232.074232
192.7	10.5755	1095	33.798	0	242.7125	226.147516

0.52904	0.36315	4.77716	8242.228
0.52928	0.36393	4.7799	8242.363
0.52939	0.36423	4.7811	8242.422
0.52951	0.36457	4.78253	8242.531
0.52962	0.3649	4.78392	8242.72
0.52973	0.36522	4.78548	8243.002
0.52985	0.36563	4.78759	8243.489
0.52999	0.36609	4.78969	8244.064
0.53007	0.36637	4.79029	8244.294
0.53026	0.36696	4.79247	8244.623
0.53048	0.36768	4.79573	8244.876
0.53071	0.36841	4.7984	8245.051
0.53094	0.36912	4.80018	8245.186
0.53117	0.36986	4.8022	8245.303
0.53131	0.37029	4.80347	8245.367
0.53144	0.37072	4.80481	8245.5
0.53155	0.37109	4.80701	8245.981
0.53166	0.37148	4.81021	8247.24
0.53176	0.37184	4.81333	8249.329
0.53184	0.37211	4.81504	8250.916
0.53201	0.37274	4.81632	8253.396
0.53221	0.37338	4.8172	8254.96
0.5324	0.37405	4.81849	8255.666
0.53252	0.37447	4.82007	8255.912
0.53267	0.375	4.82387	8256.258
0.53285	0.37571	4.83502	8260
0.53306	0.37664	4.86587	8267.054
0.53348	0.3776	4.90734	8275.188
0.53423	0.37838	4.93363	8283.079
0.53503	0.37906	4.94486	8289.451
0.53571	0.37959	4.94942	8294.201
0.53624	0.38008	4.95177	8297.649
0.53663	0.38058	4.95459	8300.966
0.53693	0.38112	4.95792	8304.739
0.53724	0.38177	4.9613	8309.556
0.53761	0.38261	4.96642	8316.879
0.53798	0.3835	4.97179	8324.677
0.53837	0.38415	4.9752	8330.399
0.53868	0.38459	4.97717	8333.758
0.53897	0.38499	4.97845	8336.364
0.53917	0.3853	4.97975	8338.082
0.53952	0.38601	4.98227	8341.006
0.53986	0.38672	4.9841	8342.928
0.54013	0.38739	4.98534	8343.751
0.54024	0.38767	4.98641	8343.956
0.54032	0.38788	4.98701	8344.064
0.54039	0.38807	4.98769	8344.164

10:45:26.351	-9	0.00009	0.00028	0.00112	0.16	0.000016
10:45:27.351	-9	0.00014	0.00043	0.00182	0.246	0.000024
10:45:28.351	-9	0.00015	0.00045	0.00243	0.961	0.000094
10:45:29.351	-9	0.00015	0.00047	0.00463	2.146	0.000208
10:45:30.351	-9	0.00012	0.00034	0.00259	2.523	0.000244
10:45:31.351	-9	0.00011	0.00033	0.00139	2.408	0.000233
10:45:32.351	-9	0.00011	0.00031	0.00111	2.136	0.000207
10:45:33.351	-9	0.00015	0.0004	0.00192	2.466	0.000239
10:45:34.351	-9	0.00018	0.00059	0.00354	3.869	0.000375
10:45:35.351	-9	0.00017	0.00057	0.0045	4.794	0.000464
10:45:36.351	-9	0.00019	0.00064	0.00396	5.395	0.000521
10:45:37.351	-9	0.00029	0.00077	0.00531	6.9	0.000667
10:45:38.351	-9	0.00041	0.00091	0.0055	8.664	0.000837
10:45:39.351	-9	0.00067	0.00092	0.00471	9.45	0.000912
10:45:40.351	-9	0.00083	0.00079	0.00411	7.77	0.00075
10:45:41.351	-9	0.00078	0.00073	0.00302	6.492	0.000627
10:45:42.351	-9	0.00071	0.00065	0.00343	5.863	0.000567
10:45:43.351	-9	0.00045	0.00051	0.00239	4.005	0.000387
10:45:44.351	-9	0.00031	0.0004	0.00191	3.028	0.000293
10:45:45.351	-9	0.00019	0.00032	0.00121	1.874	0.000181
10:45:46.351	-9	0.00034	0.0007	0.00156	2.539	0.000246
10:45:47.351	-9	0.0003	0.00066	0.00073	1.391	0.000135
10:45:48.351	-9	0.00017	0.00046	0.0011	0.503	0.000049
10:45:49.351	-9	0.00013	0.00038	0.0015	0.427	0.000042
10:45:50.351	-9	0.00013	0.00041	0.00235	0.766	0.000075
10:45:51.351	-9	0.00015	0.00048	0.00397	1.729	0.000168
10:45:52.351	-9	0.00018	0.00063	0.00526	3.704	0.000359
10:45:53.351	-9	0.00021	0.00072	0.00502	5.376	0.00052
10:45:54.351	-9	0.00022	0.00069	0.0046	6.178	0.000597
10:45:55.351	-9	0.00024	0.00074	0.00409	6.453	0.000624
10:45:56.351	-9	0.00028	0.00066	0.00353	6.235	0.000603
10:45:57.351	-9	0.00028	0.00066	0.0031	5.662	0.000547
10:45:58.351	-9	0.00027	0.0006	0.00295	4.838	0.000468
10:45:59.351	-9	0.00025	0.00057	0.00292	4.159	0.000402
10:46:00.351	-9	0.00019	0.00043	0.00201	3.029	0.000293
10:46:01.351	-9	0.00017	0.00039	0.00186	2.742	0.000265
10:46:02.351	-9	0.00017	0.00042	0.00161	2.637	0.000255
10:46:03.351	-9	0.00016	0.00042	0.00144	2.557	0.000248
10:46:04.351	-9	0.00016	0.00049	0.00186	2.622	0.000254
10:46:05.351	-9	0.00017	0.00049	0.0022	2.985	0.000289
10:46:06.351	-9	0.00017	0.00053	0.00211	3.279	0.000317
10:46:07.351	-9	0.00017	0.00057	0.00253	3.516	0.00034
10:46:08.351	-9	0.00017	0.00055	0.00252	3.69	0.000357
10:46:09.351	-9	0.00016	0.00053	0.00205	3.621	0.00035
10:46:10.351	-9	0.00016	0.00049	0.00188	3.586	0.000347
10:46:11.351	-9	0.00017	0.00054	0.00216	3.691	0.000357
10:46:12.351	-9	0.00018	0.00055	0.00252	3.99	0.000386

38.4	3.80E+00	3.100	1.400	2.650	1.197	37.200
38.2	3.80E+00	3.000	1.400	2.564	1.197	38.000
33.1	3.80E+00	3.000	1.500	2.523	1.261	36.500
32.1	3.70E+00	2.900	1.600	2.368	1.306	39.300
32.1	3.60E+00	2.900	1.600	2.321	1.280	33.500
31.9	3.70E+00	2.900	1.700	2.310	1.354	35.900
31.9	3.70E+00	2.900	1.700	2.327	1.364	34.100
31.9	3.60E+00	2.800	1.700	2.270	1.378	33.300
31.2	3.40E+00	2.600	1.600	2.084	1.283	36.800
31.4	3.20E+00	2.500	1.600	1.970	1.261	35.500
31.4	3.40E+00	2.700	1.600	2.114	1.253	37.500
31.5	4.10E+00	3.600	1.600	2.815	1.252	35.800
33.1	5.00E+00	4.800	1.600	3.722	1.241	36.400
33.2	7.90E+00	8.600	1.600	6.623	1.234	35.400
36.1	1.09E+01	12.400	1.600	9.639	1.245	34.200
39.9	1.15E+01	13.100	1.600	10.252	1.252	36.000
40	1.11E+01	12.500	1.600	9.825	1.257	34.100
41.5	9.80E+00	10.800	1.600	8.533	1.263	37.400
41.5	8.30E+00	8.800	1.600	7.012	1.272	35.100
42.5	6.80E+00	6.800	1.600	5.495	1.288	38.400
42.5	5.90E+00	5.500	1.600	4.537	1.320	39.700
42	5.00E+00	4.400	1.500	3.715	1.262	36.900
42	4.30E+00	3.600	1.400	3.069	1.190	37.300
41.3	3.70E+00	3.000	1.400	2.553	1.190	35.400
41.3	3.50E+00	2.800	1.400	2.360	1.180	37.700
41.3	3.40E+00	2.700	1.400	2.239	1.161	35.400
41.7	3.30E+00	2.700	1.400	2.177	1.129	37.800
42.8	3.30E+00	2.700	1.500	2.138	1.188	37.700
42.9	3.40E+00	2.800	1.500	2.198	1.178	34.500
44.4	3.50E+00	2.900	1.600	2.277	1.255	35.900
44.5	4.20E+00	3.700	1.600	2.903	1.254	32.900
46.1	4.50E+00	4.200	1.500	3.300	1.179	35.700
46.1	4.70E+00	4.400	1.500	3.484	1.188	34.800
46.1	4.80E+00	4.500	1.500	3.579	1.193	36.300
46.8	4.80E+00	4.500	1.500	3.586	1.195	36.500
46.8	4.60E+00	4.400	1.400	3.517	1.119	35.600
46.8	4.50E+00	4.200	1.400	3.373	1.124	37.400
46.4	4.20E+00	3.800	1.400	3.064	1.128	36.800
46.4	4.10E+00	3.700	1.400	2.985	1.130	40.600
46.4	3.90E+00	3.600	1.300	2.894	1.045	37.900
45.9	3.80E+00	3.500	1.300	2.805	1.042	38.600
45.9	3.60E+00	3.200	1.300	2.562	1.041	39.400
45.8	3.50E+00	3.100	1.300	2.479	1.039	37.200
45.7	3.50E+00	3.100	1.300	2.473	1.037	37.600
45.7	3.50E+00	3.100	1.300	2.473	1.037	35.300
45.7	3.50E+00	3.100	1.300	2.472	1.037	37.700
45.2	3.50E+00	3.100	1.300	2.468	1.035	36.100

192.3	16.78037	1255	31.674	27	238.58399	222.626808
192.2	25.92264	1232	31.05	69.3	237.540106	231.980556
192.2	28.14247	1236	31.05	77.9	243.825625	250.993275
192.2	26.5543	1224	31.05	61.6	250.780498	264.350816
192.2	20.56244	1208	30.561	20.2	249.533333	266.170652
192.2	18.91313	1195	30.335	55.4	243.591321	264.6
192.2	17.29642	1177	29.81	39.7	243.492788	262.764072
192.2	21.08182	1179	29.81	91.7	242.406238	266.385
192.2	37.51668	1202	30.587	87.2	239.733333	283.287776
192.2	33.45779	1238	31.371	78.7	236.56135	303.260599
	34.56315	1266	32.021	77	235.23145	309.244662
	48.97112	1319	33.241	86.1	236.631792	328.516306
	53.63186	1380	35.099	85.7	237.220058	357.722465
	54.49709	1450	36.708	77.3	237.431633	383.635685
	42.76735	1505	38.21	70.2	239.724759	385.916849
194	47.51094	1558	39.45	73.2	240.592898	389.0345
194	41.37225	1594	40.703	56.6	241.410612	384.299
194	26.43455	1604	40.99	48.3	241.459538	372.03986
194	21.83813	1331	40.99	21.4	252.480208	353.07972
194	12.43859	1326	40.99	0	259.099592	328.836801
194	40.19554	1315	40.373	0	256.904211	307.175435
194	43.41739	1306	40.37	0	253.524898	284.339802
194	23.17074	1298	39.815	19.1	248.085	267.989897
194	21.19081	1305	40.37	32.2	252.167797	263.581818
194	20.94531	1314	40.37	51.3	251.285072	264.404144
193.7	27.49483	1329	40.99	79.6	252.671917	274.642493
193.3	38.66362	1355	41.998	80.3	261.120327	293.905217
192.9	41.61368	1382	42.23	75.3	265.751852	315.311009
192.6	41.484	1403	43.372	78.4	272.733205	331.786323
192.2	42.2819	1426	43.97	77.3	276.633871	343.425
192.6	43.26994	1449	44.71	75	266.496622	354.00587
193	35.48139	1459	44.914	67.5	261.176923	353.647912
193.4	32.47887	1470	45.33	70.6	248.829231	348.334091
193.7	32.65202	1475	45.33	59.5	252.179926	344.583462
194	24.61663	1469	45.33	48.7	254.307765	337.443137
194	22.332	1461	45.05	53.2	254.989635	328.255744
194	23.49395	1452	44.71	49.9	254.946154	319.395291
194	24.00354	1444	44.71	51.9	252.054158	312.252469
194	25.28469	1440	44.406	59.1	253.037079	308.697532
193.9	27.17503	1435	44.09	54.6	253.424663	307.032866
193.5	27.60763	1434	44.09	56.1	254.835556	306.8
193.1	29.57965	1436	44.09	59.8	253.157143	307.420195
192.8	31.91	1430	44.09	63.9	254.546701	310.242594
192.4	28.77	1430	44.09	66.7	255.272314	313.800901
	29.35274	1433	44.09	65.1	255.756184	314.1
	30.23566	1423	44.09	65.9	256.500418	316.113187
	31.98231	1420	43.47	77.7	257.464108	318.956156

0.54048	0.38835	4.98881	8344.324
0.54062	0.38878	4.99063	8344.57
0.54077	0.38923	4.99306	8345.531
0.54092	0.3897	4.99769	8347.677
0.54104	0.39004	5.00028	8350.2
0.54115	0.39037	5.00167	8352.608
0.54126	0.39068	5.00278	8354.744
0.54141	0.39108	5.0047	8357.21
0.54159	0.39167	5.00824	8361.079
0.54176	0.39224	5.01274	8365.873
0.54195	0.39288	5.0167	8371.268
0.54224	0.39365	5.02201	8378.168
0.54265	0.39456	5.02751	8386.832
0.54332	0.39548	5.03222	8396.282
0.54415	0.39627	5.03633	8404.052
0.54493	0.397	5.03935	8410.544
0.54564	0.39765	5.04278	8416.407
0.54609	0.39816	5.04517	8420.412
0.5464	0.39856	5.04708	8423.44
0.54659	0.39888	5.04829	8425.314
0.54693	0.39958	5.04985	8427.853
0.54723	0.40024	5.05058	8429.244
0.5474	0.4007	5.05168	8429.747
0.54753	0.40108	5.05318	8430.174
0.54766	0.40149	5.05553	8430.94
0.54781	0.40197	5.0595	8432.669
0.54799	0.4026	5.06476	8436.373
0.5482	0.40332	5.06978	8441.749
0.54842	0.40401	5.07438	8447.927
0.54866	0.40475	5.07847	8454.38
0.54894	0.40541	5.082	8460.615
0.54922	0.40607	5.0851	8466.277
0.54949	0.40667	5.08805	8471.115
0.54974	0.40724	5.09097	8475.274
0.54993	0.40767	5.09298	8478.303
0.5501	0.40806	5.09484	8481.045
0.55027	0.40848	5.09645	8483.682
0.55043	0.4089	5.09789	8486.239
0.55059	0.40939	5.09975	8488.861
0.55076	0.40988	5.10195	8491.846
0.55093	0.41041	5.10406	8495.125
0.5511	0.41098	5.10659	8498.641
0.55127	0.41153	5.10911	8502.331
0.55143	0.41206	5.11116	8505.952
0.55159	0.41255	5.11304	8509.538
0.55176	0.41309	5.1152	8513.229
0.55194	0.41364	5.11772	8517.219

10:46:13.351	-9	0.00021	0.00064	0.00401	4.961	0.00048
10:46:14.351	-9	0.00024	0.00074	0.00459	6.652	0.000643
10:46:15.351	-9	0.00029	0.00071	0.00388	7.203	0.000696
10:46:16.351	-9	0.00031	0.00067	0.00315	6.105	0.00059
10:46:17.351	-9	0.00037	0.00066	0.00184	5.392	0.000521
10:46:18.351	-9	0.00044	0.00084	0.00009	4.004	0.000388
10:46:19.351	-9	0.00042	0.00078	0.0004	1.792	0.000174
10:46:20.351	-9	0.00035	0.00073	0.00202	0.782	0.000076
10:46:21.351	-9	0.0003	0.00074	0.00312	0.462	0.000045
10:46:22.351	-9	0.00022	0.0006	0.00247	0.314	0.000031
10:46:23.351	-9	0.00015	0.00045	0.00192	0.186	0.000017
10:46:24.351	-9	0.00012	0.00036	0.00167	0.312	0.000031
10:46:25.351	-9	0.00012	0.00037	0.00241	0.694	0.000068
10:46:26.351	-9	0.00012	0.00039	0.00332	1.401	0.000136
10:46:27.351	-9	0.00013	0.00042	0.00339	2.336	0.000227
10:46:28.351	-9	0.00011	0.00042	0.00251	2.659	0.000257
10:46:29.351	-9	0.00013	0.0004	0.00167	2.442	0.000236
10:46:30.351	-9	0.0002	0.00067	0.00213	2.821	0.000273
10:46:31.351	-9	0.00023	0.0007	0.0013	1.818	0.000176
10:46:32.351	-9	0.00024	0.00074	0.00138	0.765	0.000075
10:46:33.351	-9	0.00023	0.0007	0.00232	0.392	0.000039
10:46:34.351	-9	0.00023	0.00071	0.00304	0.275	0.000028
10:46:35.351	-9	0.00022	0.0007	0.0023	0.218	0.000027
10:46:36.351	-9	0.00021	0.00067	0.00222	0.181	0.000026
10:46:37.351	-9	0.00021	0.00069	0.00237	0.147	0.000025
10:46:38.351	-9	0.00013	0.00039	0.00155	0.077	0.000016
10:46:39.351	-9	0.00007	0.00027	0.00091	0.047	0.000009
10:46:40.351	-9	0.00007	0.00021	0.0008	0.043	0.000008
10:46:41.351	-9	0.00006	0.00019	0.00072	0.042	0.000007
10:46:42.351	-9	0.00006	0.00017	0.00059	0.042	0.000007
10:46:43.351	-9	0.00005	0.00017	0.00055	0.042	0.000006
10:46:44.351	-9	0.00005	0.00017	0.00055	0.042	0.000006
10:46:45.351	-9	0.00005	0.00016	0.00055	0.042	0.000006
10:46:46.351	-9	0.00005	0.00016	0.00053	0.04	0.000006
10:46:47.351	-9	0.00005	0.00015	0.00051	0.037	0.000006
10:46:48.351	-9	0.00007	0.00024	0.00082	0.058	0.00001
10:46:49.351	-9	0.00011	0.00039	0.00128	0.13	0.000015
10:46:50.351	-9	0.00013	0.00048	0.00286	0.527	0.000052
10:46:51.351	-9	0.00017	0.00066	0.0059	2.487	0.000242
10:46:52.351	-9	0.00025	0.00086	0.00874	6.242	0.000605
10:46:53.351	-9	0.00029	0.00094	0.00591	7.658	0.000741
10:46:54.351	-9	0.00024	0.0006	0.0032	5.177	0.000501
10:46:55.351	-9	0.00019	0.00043	0.00175	3.207	0.00031
10:46:56.351	-9	0.00019	0.00044	0.00176	2.889	0.00028
10:46:57.351	-9	0.00024	0.00054	0.00268	3.42	0.000331
10:46:58.351	-9	0.00028	0.00076	0.00354	4.956	0.000479
10:46:59.351	-9	0.00029	0.00076	0.00259	5.887	0.000569

45.2	3.60E+00	3.200	1.300	2.530	1.028	36.600
45.2	3.50E+00	3.200	1.300	2.502	1.016	35.700
45.2	4.10E+00	4.000	1.300	3.112	1.010	33.600
45.6	5.00E+00	5.100	1.300	3.972	1.014	35.900
45.6	5.70E+00	5.900	1.300	4.674	1.031	33.800
46.4	6.00E+00	6.000	1.300	4.900	1.062	37.600
45.3	5.70E+00	5.600	1.200	4.715	1.011	35.400
45.2	5.10E+00	4.800	1.200	4.096	1.021	34.800
43.3	4.40E+00	4.000	1.200	3.420	1.026	36.800
43.3	3.90E+00	3.400	1.100	2.911	0.942	34.800
43.2	3.70E+00	3.200	1.100	2.743	0.942	37.900
41.2	3.50E+00	3.000	1.100	2.560	0.938	35.000
40.5	3.50E+00	3.000	1.100	2.531	0.928	36.700
40.5	3.40E+00	3.000	1.100	2.488	0.913	35.900
40.7	3.40E+00	3.000	1.200	2.428	0.972	37.200
40.7	3.20E+00	2.800	1.200	2.241	0.961	39.000
41.1	3.50E+00	2.800	1.500	2.257	1.209	36.300
41.1	3.50E+00	2.800	1.500	2.298	1.231	38.900
41	3.60E+00	2.800	1.500	2.346	1.257	36.000
41	3.60E+00	2.800	1.400	2.383	1.192	37.100
40.9	3.60E+00	2.800	1.400	2.396	1.198	35.700
39.8	3.50E+00	2.700	1.400	2.312	1.198	36.800
39.8	3.50E+00	2.700	1.400	2.311	1.198	37.200
39	3.50E+00	2.700	1.400	2.311	1.198	36.500
38.9	3.50E+00	2.700	1.400	2.311	1.198	39.000
37.4	3.50E+00	2.700	1.400	2.311	1.198	35.900
34.9	3.50E+00	2.700	1.400	2.311	1.198	41.900
34.8	3.50E+00	2.700	1.400	2.311	1.198	37.000
32.7	3.50E+00	2.700	1.400	2.311	1.198	37.000
32.7	3.50E+00	2.700	1.400	2.311	1.198	36.500
32.6	3.40E+00	2.600	1.400	2.225	1.198	36.600
30.3	3.40E+00	2.600	1.400	2.225	1.198	37.900
25.8	3.40E+00	2.600	1.400	2.225	1.198	35.100
25.8	3.40E+00	2.600	1.400	2.225	1.198	36.500
25.6	3.40E+00	2.600	1.400	2.224	1.198	34.700
20.6	3.30E+00	2.500	1.400	2.139	1.198	34.900
20.4	3.20E+00	2.300	1.400	1.968	1.198	37.200
16.7	3.10E+00	2.300	1.400	1.955	1.190	37.800
16.7	3.10E+00	2.300	1.400	1.896	1.154	38.900
17.6	3.00E+00	2.300	1.500	1.836	1.197	35.100
21.3	3.30E+00	2.600	1.600	2.050	1.262	36.100
21.3	4.00E+00	3.500	1.600	2.763	1.265	33.300
21.4	4.90E+00	4.500	1.600	3.577	1.273	35.600
25.8	5.00E+00	4.600	1.600	3.680	1.280	37.400
26.8	5.00E+00	4.600	1.600	3.696	1.285	36.500
26.8	4.80E+00	4.400	1.600	3.490	1.269	42.400
28	4.50E+00	4.100	1.600	3.230	1.260	38.700

	39.45321	1424	43.924	86	261.227347	333.618519
	45.54861	1438	44.49	80.6	259.012727	356.214726
192.4	45.9898	1450	44.71	75	273.477387	372.353744
192.8	36.54297	1459	44.71	69.7	287.660526	374.630316
193.2	33.08846	1441	44.611	26.1	288.808859	358.479955
193.6	47.23037	1416	43.796	0.9	294.179147	324.231539
194	46.34087	1381	42.85	0	273.049434	292.486162
193.6	45.32136	1354	41.684	0	265.590566	267.095276
193.2	35.02372	1318	40.448	0	258.241651	247.664835
192.9	39.40838	1292	39.768	1.5	253.051667	232.508882
192.5	23.16502	1280	39.12	26.2	252.41805	227.416739
192.2	20.7021	1270	39.12	43.5	252.221996	231.569863
192.2	21.76246	1269	39.12	72.2	253.534783	242.337978
192.2	24.68701	1283	39.739	71.8	257.142438	256.613104
192.2	25.07445	1290	39.74	57.3	260.040125	267.069897
192.2	22.38351	1291	39.74	26.5	261.329615	265.056356
192.2	21.5612	1299	39.74	19.7	260.742667	256.969043
192.2	38.9019	1297	39.74	6.7	259.735385	247.213072
192.2	42.49444	1279	39.424	0	259.914722	234.537182
192.2	42.19016	1253	38.5	0	260.126483	221.980204
192.2	39.90759	1224	37.88	0	258.559528	211.308934
192.1	39.85077	1219	37.26	0	257.931549	202.62042
191.7	39.56266	1205	36.979	0	257.357729	195.211712
191.3	38.11	1175	36.235	0	259.129388	189.580528
190.9	36.5494	1142	34.989	0	258.202295	184.706042
190.6	32.27385	1114	34.32	0.5	251.665857	180.202875
190.4	10.25157	1287	32.935	0.5	245.495816	178.265994
190.4	10.93857	1248	31.744	0	249.008571	177.723453
190.4	10.4675	1200	30.405	0	242.549896	178.841271
190.4	10.11102	1152	29.155	0	241.564113	178.3
190.4	9.49846	1078	27.008	3	228.295897	178.177814
	9.93655	1160	24.418	1.2	228.3736	177.548972
	9.73996	1133	21.789	0	228.980124	176.958258
	9.54522	1081	18.858	3.8	229.431976	176.354601
	8.76152	1021	16.559	1.4	226.305306	175.748094
	9.51375	1145	15.53	18.5	227.983682	175.720178
190.1	20.86545	1163	15.702	44.9	229.826337	180.335294
189.7	26.14563	1249	16.683	69.4	228.991207	197.741413
189.3	37.87848	1382	18.492	90.2	242.91525	226.039544
188.9	52.29522	1560	21.084	81.8	255.202759	264.07617
	55.18198	1733	23.41	76.6	261.065283	294.620087
	39.16309	1708	25.024	64.3	264.652768	305.27593
	24.4683	1447	25.46	55.6	264.913371	302.534381
	22.41133	1463	25.668	67.2	263.265904	295.755452
	31.38314	1496	26.232	83.3	262.767148	297.461318
190.4	41.48496	1542	26.857	83	260.588663	307.803913
190.4	38.05754	1598	28.293	78.7	255.702399	319.085545

0.55215	0.41428	5.12173	8522.18
0.55239	0.41502	5.12632	8528.832
0.55268	0.41573	5.1302	8536.035
0.55299	0.4164	5.13335	8542.14
0.55336	0.41706	5.13519	8547.532
0.5538	0.4179	5.13528	8551.536
0.55422	0.41868	5.13568	8553.328
0.55457	0.41941	5.1377	8554.11
0.55487	0.42015	5.14082	8554.572
0.55509	0.42075	5.14329	8554.886
0.55524	0.4212	5.14521	8555.072
0.55536	0.42156	5.14688	8555.384
0.55548	0.42193	5.14929	8556.078
0.5556	0.42232	5.15261	8557.479
0.55573	0.42274	5.156	8559.815
0.55584	0.42316	5.15851	8562.474
0.55597	0.42356	5.16018	8564.916
0.55617	0.42423	5.16231	8567.737
0.5564	0.42493	5.16361	8569.555
0.55664	0.42567	5.16499	8570.32
0.55687	0.42637	5.16731	8570.712
0.5571	0.42708	5.17035	8570.987
0.55732	0.42778	5.17265	8571.205
0.55753	0.42845	5.17487	8571.386
0.55774	0.42914	5.17724	8571.533
0.55787	0.42953	5.17879	8571.61
0.55794	0.4298	5.1797	8571.657
0.55801	0.43001	5.1805	8571.7
0.55807	0.4302	5.18122	8571.742
0.55813	0.43037	5.18181	8571.784
0.55818	0.43054	5.18236	8571.826
0.55823	0.43071	5.18291	8571.868
0.55828	0.43087	5.18346	8571.91
0.55833	0.43103	5.18399	8571.95
0.55838	0.43118	5.1845	8571.987
0.55845	0.43142	5.18532	8572.045
0.55856	0.43181	5.1866	8572.175
0.55869	0.43229	5.18946	8572.702
0.55886	0.43295	5.19536	8575.189
0.55911	0.43381	5.2041	8581.431
0.5594	0.43475	5.21001	8589.089
0.55964	0.43535	5.21321	8594.266
0.55983	0.43578	5.21496	8597.473
0.56002	0.43622	5.21672	8600.362
0.56026	0.43676	5.2194	8603.782
0.56054	0.43752	5.22294	8608.738
0.56083	0.43828	5.22553	8614.625

10:47:00.351	-9	0.00027	0.00073	0.00191	5.6	0.000541
10:47:01.351	-9	0.00025	0.00067	0.00213	5.118	0.000495
10:47:02.351	-9	0.00023	0.00061	0.00239	4.701	0.000455
10:47:03.351	-9	0.00018	0.00046	0.00194	3.566	0.000345
10:47:04.351	-9	0.00015	0.0004	0.00166	3.048	0.000295
10:47:05.351	-9	0.00014	0.00042	0.00157	2.786	0.000269
10:47:06.351	-9	0.00013	0.00043	0.00162	2.733	0.000264
10:47:07.351	-9	0.00016	0.00057	0.00207	3.142	0.000304
10:47:08.351	-9	0.00017	0.00064	0.00226	3.656	0.000354
10:47:09.351	-9	0.00017	0.00066	0.00212	4.13	0.000399
10:47:10.351	-9	0.00017	0.00066	0.00186	4.186	0.000405
10:47:11.351	-9	0.00015	0.00051	0.00227	3.72	0.00036
10:47:12.351	-9	0.00014	0.00049	0.00192	3.359	0.000325
10:47:13.351	-9	0.00013	0.00046	0.00209	3.109	0.000301
10:47:14.351	-9	0.00014	0.00053	0.00238	3.194	0.000309
10:47:15.351	-9	0.00015	0.00053	0.00242	3.253	0.000315
10:47:16.351	-9	0.00014	0.00051	0.00231	3.241	0.000314
10:47:17.351	-9	0.00013	0.00047	0.00194	3.009	0.000291
10:47:18.351	-9	0.00009	0.00033	0.00139	2.127	0.000206
10:47:19.351	-9	0.00007	0.00028	0.00118	1.636	0.000158
10:47:20.351	-9	0.00007	0.00024	0.00117	1.444	0.00014
10:47:21.351	-9	0.0001	0.00037	0.0015	1.894	0.000183
10:47:22.351	-9	0.00012	0.00043	0.00095	1.49	0.000144
10:47:23.351	-9	0.00011	0.0004	0.00075	0.895	0.000087
10:47:24.351	-9	0.0001	0.00036	0.00136	0.696	0.000068
10:47:25.351	-9	0.00008	0.00027	0.00111	0.619	0.00006
10:47:26.351	-9	0.00009	0.00034	0.00156	0.858	0.000083
10:47:27.351	-9	0.00011	0.0004	0.00188	1.086	0.000106
10:47:28.351	-9	0.00011	0.00039	0.001	0.838	0.000081
10:47:29.351	-9	0.0001	0.00036	0.00153	0.764	0.000074
10:47:30.351	-9	0.00011	0.00039	0.00191	0.96	0.000093
10:47:31.351	-9	0.00014	0.00054	0.0029	1.936	0.000188
10:47:32.351	-9	0.0002	0.00073	0.00485	3.98	0.000386
10:47:33.351	-9	0.0003	0.00107	0.00756	8.04	0.000777
10:47:34.351	-9	0.00044	0.00112	0.00725	9.503	0.000918
10:47:35.351	-9	0.00084	0.00111	0.0062	9.81	0.000947
10:47:36.351	-9	0.00129	0.00119	0.00622	10.416	0.001006
10:47:37.351	-9	0.0015	0.00109	0.00618	9.394	0.000908
10:47:38.351	-9	0.00102	0.0007	0.00333	5.089	0.000492
10:47:39.351	-9	0.00092	0.00057	0.00248	3.929	0.00038
10:47:40.351	-9	0.00078	0.00061	0.00284	3.917	0.000379
10:47:41.351	-9	0.00057	0.00058	0.00282	4.062	0.000393
10:47:42.351	-9	0.00039	0.00058	0.00215	3.81	0.000368
10:47:43.351	-9	0.00029	0.00052	0.00187	3.445	0.000333
10:47:44.351	-9	0.00022	0.00046	0.00176	2.876	0.000278
10:47:45.351	-9	0.00022	0.00057	0.002	2.813	0.000272
10:47:46.351	-9	0.00019	0.00054	0.00165	2.477	0.00024

28	4.30E+00	3.800	1.600	2.997	1.261	38.500
28.1	4.10E+00	3.700	1.500	2.931	1.187	36.600
29.8	4.10E+00	3.700	1.500	2.935	1.190	35.600
30.8	4.10E+00	3.700	1.500	2.935	1.190	35.100
30.8	4.00E+00	3.600	1.500	2.855	1.190	36.200
31.2	4.00E+00	3.500	1.500	2.784	1.193	40.000
31.2	3.80E+00	3.200	1.500	2.555	1.198	39.900
31.2	3.80E+00	3.200	1.500	2.559	1.200	45.400
31	3.60E+00	3.100	1.400	2.471	1.116	45.200
31	3.40E+00	2.900	1.400	2.306	1.112	43.100
31	3.30E+00	2.800	1.400	2.224	1.112	42.500
31.2	3.30E+00	2.800	1.400	2.221	1.111	37.300
31.2	3.30E+00	2.800	1.400	2.225	1.112	39.500
31.2	3.30E+00	2.800	1.400	2.231	1.116	38.200
31	3.40E+00	2.800	1.400	2.235	1.118	42.000
30.4	3.40E+00	2.900	1.400	2.315	1.118	41.500
30.4	3.40E+00	2.900	1.400	2.309	1.115	40.800
30.3	3.40E+00	2.900	1.400	2.308	1.114	41.200
30.3	3.40E+00	2.900	1.400	2.311	1.116	39.800
30.3	3.40E+00	2.900	1.400	2.316	1.118	42.900
29.9	3.40E+00	2.900	1.400	2.321	1.120	40.500
28.2	3.50E+00	2.900	1.400	2.336	1.128	44.100
28.2	3.50E+00	2.800	1.400	2.307	1.153	43.000
27.2	3.50E+00	2.800	1.400	2.342	1.171	43.100
27.2	3.40E+00	2.700	1.400	2.269	1.176	42.400
27.2	3.40E+00	2.700	1.400	2.260	1.172	39.900
27.3	3.40E+00	2.700	1.400	2.251	1.168	42.400
26.7	3.50E+00	2.700	1.500	2.248	1.249	41.100
26.7	3.50E+00	2.700	1.500	2.261	1.256	42.600
25.9	3.50E+00	2.700	1.500	2.264	1.258	41.100
25.9	3.50E+00	2.700	1.500	2.252	1.251	42.100
25.1	3.40E+00	2.600	1.500	2.140	1.235	42.100
25.1	3.50E+00	2.600	1.700	2.093	1.365	40.900
23.9	3.60E+00	2.900	1.700	2.263	1.329	43.000
23.9	4.80E+00	4.600	1.700	3.531	1.317	41.100
23.9	9.10E+00	9.900	1.800	7.702	1.394	39.900
23.9	1.28E+01	14.700	1.800	11.430	1.397	39.300
23.9	1.57E+01	18.300	1.800	14.274	1.405	37.700
25.1	1.76E+01	20.500	1.800	16.169	1.421	40.100
26.5	1.80E+01	20.800	1.800	16.589	1.436	37.200
26.5	1.57E+01	17.800	1.800	14.222	1.434	40.400
26.9	1.15E+01	12.700	1.800	10.060	1.429	38.900
26.9	8.70E+00	9.100	1.800	7.234	1.426	42.000
27	7.00E+00	7.000	1.800	5.561	1.427	41.400
28.4	6.00E+00	5.700	1.800	4.539	1.434	41.700
29.5	5.60E+00	5.100	1.800	4.105	1.446	47.200
29.5	5.10E+00	4.600	1.800	3.702	1.448	50.000

190.4	38.38891	1629	28.57	76.7	256.740074	321.838255
190.4	36.65738	1662	29.19	76.5	253.916421	324.059792
190.4	35.77629	1690	29.81	74	253.963192	327.344118
190.5	26.1986	1542	30.148	63	254.255617	328.556611
190.9	23.79944	1433	29.81	51.9	250.372802	322.131608
191.3	21.46097	1427	29.81	56.1	256.479897	312.705217
191.7	22.84713	1423	29.81	65.6	260.949798	306.334348
192.1	26.27461	1424	29.81	67.7	264.844239	303.2
192.2	29.19691	1430	29.81	64.9	261.609202	303.529412
192.2	32.09018	1430	29.81	69.8	260.025	305.917042
192.2	33.07765	1435	29.81	73.2	258.931865	310.143151
192.2	26.30931	1431	29.81	63.3	260.658212	312.149565
192.2	25.02886	1421	29.81	58	264.561728	309.285882
192.2	24.54328	1408	29.659	56.5	262.384639	306.843634
192.2	24.86	1396	29.19	60.6	269.214603	304.6
192.2	26.95685	1388	29.19	70.2	252.650257	305.94757
192.2	26.41119	1385	29.19	63.8	243.108023	306.8
192.2	25.00379	1382	29.19	54.9	241.882596	304.556765
192.2	27.75389	1373	28.57	38	235.0425	299.61845
192.2	11.49902	1350	28.266	0.3	236.157692	286.268168
192.2	11.26064	1314	27.601	0	234.099185	272.672428
192.2	11.284	1293	26.876	7.8	234.699791	261.845553
192.2	20.85413	1263	26.284	22.5	233.328715	252.345723
192.2	19.43094	1253	26.08	29.1	231.880769	246.428848
192.2	19.09789	1248	26.08	29.6	232.368074	242.031556
192.2	10.90125	1245	26.08	11.1	232.713368	237.473913
192.2	10.60154	1226	25.46	7	230.939024	230.769742
191.9	20.2434	1212	25.271	26.9	228.86185	226.155359
191.6	18.98126	1178	24.84	34.5	228.004225	225.106486
191.2	18.16832	1168	24.22	40.1	228.097992	227.006371
190.8	18.3599	1158	24.22	60.8	228.763265	231.047203
190.5	25.71176	1171	23.985	79.3	232.052	243.816667
190.7	39.1965	1362	22.98	95.2	241.471875	270.41
191.1	51.79273	1303	22.98	95.2	254.058788	305.917716
191.4	59.19346	1334	23.325	85.7	278.642638	340.015765
191.8	58.05474	1363	23.6	85.8	286.062558	363.471739
192.2	58.86019	1387	24.22	86.6	281.673522	380.068132
192.6	56.22772	1426	24.933	78.7	265.081921	388.71413
193	24.58566	1454	25.46	73.6	255.09518	381.759563
193.4	29.91443	1451	25.46	75.6	252.508163	370.935025
193.7	32.20079	1476	25.768	74.8	244.018904	364.741791
194	35.49948	1521	26.7	80.2	242.710312	363.9
194	28.32279	1561	27.32	69.5	257.69383	360.830659
194	28.40128	1601	27.95	46	262.961554	351.35082
194	23.96276	1638	28.57	51.2	271.306641	339.973008
194	27.90897	1651	29.19	52.1	267.747245	332.17793
193.7	22.71517	1425	29.81	32.7	264.202923	321.175

0.5611	0.43901	5.22744	8620.225
0.56135	0.43968	5.22957	8625.343
0.56158	0.44029	5.23196	8630.044
0.56176	0.44075	5.2339	8633.61
0.56191	0.44115	5.23556	8636.658
0.56205	0.44157	5.23713	8639.444
0.56218	0.442	5.23875	8642.177
0.56234	0.44257	5.24082	8645.319
0.56251	0.44321	5.24308	8648.975
0.56268	0.44387	5.2452	8653.105
0.56285	0.44453	5.24706	8657.291
0.563	0.44504	5.24933	8661.011
0.56314	0.44553	5.25125	8664.37
0.56327	0.44599	5.25334	8667.479
0.56341	0.44652	5.25572	8670.673
0.56356	0.44705	5.25814	8673.926
0.5637	0.44756	5.26045	8677.167
0.56383	0.44803	5.26239	8680.176
0.56392	0.44836	5.26378	8682.303
0.56399	0.44864	5.26496	8683.939
0.56406	0.44888	5.26613	8685.383
0.56416	0.44925	5.26763	8687.277
0.56428	0.44968	5.26858	8688.767
0.56439	0.45008	5.26933	8689.662
0.56449	0.45044	5.27069	8690.358
0.56457	0.45071	5.2718	8690.977
0.56466	0.45105	5.27336	8691.835
0.56477	0.45145	5.27524	8692.921
0.56488	0.45184	5.27624	8693.759
0.56498	0.4522	5.27777	8694.523
0.56509	0.45259	5.27968	8695.483
0.56523	0.45313	5.28258	8697.419
0.56543	0.45386	5.28743	8701.399
0.56573	0.45493	5.29499	8709.439
0.56617	0.45605	5.30224	8718.942
0.56701	0.45716	5.30844	8728.752
0.5683	0.45835	5.31466	8739.168
0.5698	0.45944	5.32084	8748.562
0.57082	0.46014	5.32417	8753.651
0.57174	0.46071	5.32665	8757.58
0.57252	0.46132	5.32949	8761.497
0.57309	0.4619	5.33231	8765.559
0.57348	0.46248	5.33446	8769.369
0.57377	0.463	5.33633	8772.814
0.57399	0.46346	5.33809	8775.69
0.57421	0.46403	5.34009	8778.503
0.5744	0.46457	5.34174	8780.98

10:47:47.351	-9	0.00017	0.00053	0.00153	2.231	0.000216
10:47:48.351	-9	0.00016	0.00048	0.0015	2.016	0.000195
10:47:49.351	-9	0.00016	0.00047	0.00155	1.801	0.000175
10:47:50.351	-9	0.00017	0.00047	0.00172	1.611	0.000156
10:47:51.351	-9	0.00017	0.00046	0.00206	1.467	0.000142
10:47:52.351	-9	0.00016	0.00047	0.00245	1.694	0.000164
10:47:53.351	-9	0.00017	0.00052	0.00217	2.012	0.000195
10:47:54.351	-9	0.00017	0.00055	0.00182	2.155	0.000209
10:47:55.351	-9	0.00016	0.00054	0.00181	2.118	0.000205
10:47:56.351	-9	0.00015	0.0005	0.0018	2.011	0.000195
10:47:57.351	-9	0.00014	0.00046	0.00181	1.814	0.000176
10:47:58.351	-9	0.00013	0.00043	0.00186	1.574	0.000153
10:47:59.351	-9	0.00011	0.00037	0.00134	1.214	0.000118
10:48:00.351	-9	0.00009	0.0003	0.00134	0.958	0.000093
10:48:01.351	-9	0.00014	0.00049	0.00202	1.355	0.000132
10:48:02.351	-9	0.00012	0.00042	0.00177	1.001	0.000097
10:48:03.351	-9	0.00012	0.00042	0.00176	0.897	0.000087
10:48:04.351	-9	0.00013	0.00043	0.00202	1.113	0.000108
10:48:05.351	-9	0.00014	0.00046	0.00236	1.595	0.000155
10:48:06.351	-9	0.00013	0.0005	0.00311	2.205	0.000214
10:48:07.351	-9	0.0001	0.00036	0.00164	2.043	0.000198
10:48:08.351	-9	0.00007	0.00028	0.00108	1.576	0.000153
10:48:09.351	-9	0.00006	0.00023	0.00117	1.362	0.000132
10:48:10.351	-9	0.00006	0.00022	0.00105	1.166	0.000113
10:48:11.351	-9	0.00005	0.00019	0.00081	0.906	0.000088
10:48:12.351	-9	0.00006	0.00021	0.00058	0.768	0.000074
10:48:13.351	-9	0.00009	0.00031	0.00083	0.748	0.000073
10:48:14.351	-9	0.00009	0.00028	0.00099	0.447	0.000043
10:48:15.351	-9	0.00008	0.00028	0.00122	0.347	0.000034
10:48:16.351	-9	0.00008	0.00024	0.00138	0.388	0.000038
10:48:17.351	-9	0.00008	0.00024	0.00127	0.498	0.000048
10:48:18.351	-9	0.00008	0.00023	0.00149	0.647	0.000063
10:48:19.351	-9	0.00008	0.00023	0.00166	0.832	0.000081
10:48:20.351	-9	0.00008	0.00024	0.00145	0.96	0.000093
10:48:21.351	-9	0.00007	0.00023	0.00124	1.037	0.000101
10:48:22.351	-9	0.00007	0.00026	0.00131	1.1	0.000107
10:48:23.351	-9	0.00008	0.00024	0.00121	1.136	0.00011
10:48:24.351	-9	0.00008	0.00026	0.00121	1.151	0.000112
10:48:25.351	-9	0.00008	0.00026	0.00122	1.153	0.000112
10:48:26.351	-9	0.00008	0.00025	0.00127	1.139	0.00011
10:48:27.351	-9	0.00007	0.00027	0.00135	1.14	0.000111
10:48:28.351	-9	0.00007	0.00025	0.00134	1.132	0.00011
10:48:29.351	-9	0.00007	0.00027	0.00134	1.135	0.00011
10:48:30.351	-9	0.00007	0.00025	0.00135	1.137	0.00011
10:48:31.351	-9	0.00007	0.00027	0.00135	1.142	0.000111
10:48:32.351	-9	0.00007	0.00026	0.00135	1.142	0.000111
10:48:33.351	-9	0.00007	0.00025	0.00135	1.137	0.00011

30.6	5.00E+00	4.400	1.800	3.546	1.450	53.300
30.6	4.90E+00	4.400	1.700	3.564	1.378	48.400
31.2	4.70E+00	4.100	1.700	3.349	1.388	46.700
31.2	4.80E+00	4.100	1.700	3.372	1.398	44.800
31.5	4.70E+00	4.000	1.700	3.308	1.405	42.800
31.5	4.60E+00	3.900	1.700	3.205	1.397	43.900
32.1	4.50E+00	3.800	1.700	3.104	1.388	46.800
32.1	4.50E+00	3.800	1.700	3.091	1.383	49.400
32.1	4.50E+00	3.800	1.700	3.088	1.382	49.200
32.2	4.30E+00	3.600	1.700	2.928	1.382	48.300
32.2	4.20E+00	3.500	1.700	2.857	1.388	45.200
31.9	4.10E+00	3.300	1.700	2.710	1.396	43.800
31.2	4.00E+00	3.100	1.700	2.559	1.403	43.700
31.1	3.90E+00	3.100	1.600	2.565	1.324	41.800
29.9	3.80E+00	3.000	1.600	2.492	1.328	44.900
29.9	3.80E+00	2.900	1.600	2.425	1.337	42.100
29.9	3.80E+00	2.900	1.600	2.428	1.340	43.900
28.7	3.70E+00	2.900	1.600	2.417	1.333	41.900
27.7	3.70E+00	2.900	1.600	2.393	1.320	41.300
27.7	3.50E+00	2.800	1.500	2.279	1.220	43.600
27.6	3.50E+00	2.800	1.500	2.249	1.205	41.200
27.6	3.40E+00	2.800	1.500	2.242	1.201	43.900
27.5	3.40E+00	2.800	1.500	2.244	1.202	40.400
25.8	3.50E+00	2.800	1.500	2.254	1.207	42.000
22.1	3.50E+00	2.800	1.500	2.276	1.219	41.200
21.9	3.50E+00	2.800	1.500	2.307	1.236	40.200
16	3.60E+00	2.800	1.500	2.340	1.253	41.500
15.7	3.60E+00	2.800	1.500	2.366	1.267	39.100
8.2	3.60E+00	2.700	1.500	2.290	1.272	39.900
8	3.40E+00	2.600	1.400	2.203	1.185	34.100
3.2	3.40E+00	2.600	1.400	2.191	1.180	34.300
3.2	3.40E+00	2.600	1.400	2.178	1.173	33.100
3.1	3.20E+00	2.500	1.400	2.080	1.165	32.000
0	3.30E+00	2.500	1.500	2.066	1.239	34.900
0	3.30E+00	2.500	1.500	2.058	1.235	33.900
0	3.30E+00	2.500	1.500	2.052	1.231	37.700
0	3.30E+00	2.500	1.500	2.050	1.230	35.500
0	3.30E+00	2.500	1.500	2.049	1.230	37.700
0	3.30E+00	2.500	1.500	2.050	1.230	36.800
0	3.30E+00	2.500	1.500	2.050	1.230	36.500
0	3.20E+00	2.400	1.500	1.969	1.230	39.000
0	3.20E+00	2.400	1.500	1.969	1.230	36.600
0	3.20E+00	2.400	1.500	1.969	1.230	39.400
0	3.20E+00	2.400	1.500	1.968	1.230	36.200
0	3.20E+00	2.400	1.500	1.969	1.230	38.400
0	3.20E+00	2.400	1.500	1.969	1.230	37.200
0	3.20E+00	2.400	1.500	1.969	1.230	35.800

193.4	21.05356	1429	29.81	24.2	259.913497	308.399029
193	20.50339	1440	30.43	29	257.957683	296.031985
192.6	21.34985	1448	30.43	31.9	266.325989	286.049728
192.2	22.7326	1452	30.43	36.2	258.431827	277.598444
192.2	23.82773	1472	31.01	49.3	254.8975	276.331853
192.2	23.341	1481	31.05	47.4	252.549423	275.605117
192.2	24.16245	1484	31.05	45.6	246.800513	274.283846
192.2	24.45107	1480	31.05	43.5	250.654872	273.521328
192.2	23.21672	1474	31.05	37.2	251.980368	271.835192
192.2	22.49088	1463	30.515	30	251.108824	266.625661
192.2	21.16685	1454	30.43	32.3	250.666841	259.867581
192.2	20.90086	1431	29.81	34.2	250.930675	254.483465
192.2	17.10569	1407	29.783	15.7	249.922965	249.522222
192	11.54311	1371	28.439	13.7	248.120359	242.209305
191.6	25.45529	1332	27.95	26	245.512339	237.239499
191.2	20.93779	1311	27.32	24.4	245.079626	235.584545
190.8	19.44119	1284	26.887	36.8	244.457567	234.796
190.4	21.29034	1274	26.7	68.5	246.77	240.479341
190.4	24.0236	1268	26.7	65.7	250.56474	251.214066
190.4	24.93307	1261	26.08	58.8	252.925368	259.342409
190.4	24.11689	1239	25.986	35.8	255.036667	261.404802
190.4	10.17079	1176	24.703	5.2	254.901132	254.89678
190.4	9.96373	1125	22.913	1	253.161538	246.205416
190.4	10.17927	1188	20.971	0.2	251.346257	238.6128
190.4	9.3295	1070	18.421	1.4	249.295	231.994595
190.4	9.23041	1076	14.55	3.3	248.433878	225.941224
190.4	18.15435	854	10.516	17.8	250.463846	222.153846
190.4	15.00351	792	7.062	22.3	249.376316	218.141528
190.4	15.16861	811	4.608	34.8	251.110931	217.473482
190.4	14.47282	769	2.788	35	253.20409	218.305831
190.4	15.30073	799	1.45	41	253.161954	221.761241
190.4	14.76215	780	0.149	45.6	249.652	224.677342
190.4	15.64586	841	0	47.8	247.843316	227.441139
190.4	14.97733	812	0	42	248.292155	229.1
190.4	14.45235	776	0	40.9	249.317919	229.273051
190.4	14.45333	778	0	40.9	246.796154	230.5
190.4	14.78573	779	0	41.1	244.113397	230.70413
190.4	14.66115	781	0	40.8	244.276583	231.1
190.4	14.59106	780	0	41.2	247.615962	231.1
190.4	14.6594	779	0	41.8	254.755	231.1
190.4	14.60929	779	0	41.2	256.378105	231.640798
190.4	14.3642	777	0	41.4	253.465217	230.507912
190.4	14.75847	778	0	41.4	251.33347	231.032673
190.4	14.56658	779	0	41.2	246.592632	230.5
190.4	14.55177	780	0	41.9	246.154545	230.769348
190.4	14.62727	782	0	40	249.865326	230.785654
190.4	14.49627	780	0	40.8	249.669231	230.113213

0.57457	0.4651	5.34327	8783.211
0.57473	0.46558	5.34477	8785.227
0.57489	0.46605	5.34632	8787.028
0.57506	0.46652	5.34804	8788.639
0.57523	0.46698	5.3501	8790.106
0.57539	0.46745	5.35255	8791.8
0.57556	0.46797	5.35472	8793.812
0.57573	0.46852	5.35654	8795.967
0.57589	0.46906	5.35835	8798.085
0.57604	0.46956	5.36015	8800.096
0.57618	0.47002	5.36196	8801.91
0.57631	0.47045	5.36382	8803.484
0.57642	0.47082	5.36516	8804.698
0.57651	0.47112	5.3665	8805.656
0.57665	0.47161	5.36852	8807.011
0.57677	0.47203	5.37029	8808.012
0.57689	0.47245	5.37205	8808.909
0.57702	0.47288	5.37407	8810.022
0.57716	0.47334	5.37643	8811.617
0.57729	0.47384	5.37954	8813.822
0.57739	0.4742	5.38118	8815.865
0.57746	0.47448	5.38226	8817.441
0.57752	0.47471	5.38343	8818.803
0.57758	0.47493	5.38448	8819.969
0.57763	0.47512	5.38529	8820.875
0.57769	0.47533	5.38587	8821.643
0.57778	0.47564	5.3867	8822.391
0.57787	0.47592	5.38769	8822.838
0.57795	0.4762	5.38891	8823.185
0.57803	0.47644	5.39029	8823.573
0.57811	0.47668	5.39156	8824.071
0.57819	0.47691	5.39305	8824.718
0.57827	0.47714	5.39471	8825.55
0.57835	0.47738	5.39616	8826.51
0.57842	0.47761	5.3974	8827.547
0.57849	0.47787	5.39871	8828.647
0.57857	0.47811	5.39992	8829.783
0.57865	0.47837	5.40113	8830.934
0.57873	0.47863	5.40235	8832.087
0.57881	0.47888	5.40362	8833.226
0.57888	0.47915	5.40497	8834.366
0.57895	0.4794	5.40631	8835.498
0.57902	0.47967	5.40765	8836.633
0.57909	0.47992	5.409	8837.77
0.57916	0.48019	5.41035	8838.912
0.57923	0.48045	5.4117	8840.054
0.5793	0.4807	5.41305	8841.191

10:48:34.351	-9	0.00007	0.00026	0.00133	1.128	0.000109
10:48:35.351	-9	0.00007	0.00024	0.00133	1.125	0.000109
10:48:36.351	-9	0.00007	0.00026	0.00134	1.125	0.000109
10:48:37.351	-9	0.00007	0.00025	0.00134	1.122	0.000109
10:48:38.351	-9	0.00007	0.00027	0.00135	1.123	0.000109
10:48:39.351	-9	0.00007	0.00026	0.00135	1.126	0.000109
10:48:40.351	-9	0.00008	0.00026	0.00135	1.127	0.000109
10:48:41.351	-9	0.00008	0.00027	0.00134	1.115	0.000108
10:48:42.351	-9	0.00008	0.00025	0.00134	1.111	0.000108
10:48:43.351	-9	0.00008	0.00027	0.00134	1.111	0.000108
10:48:44.351	-9	0.00008	0.00025	0.00134	1.106	0.000107
10:48:45.351	-9	0.00008	0.00026	0.00133	1.097	0.000106
10:48:46.351	-9	0.00008	0.00026	0.00133	1.102	0.000107
10:48:47.351	-9	0.00008	0.00026	0.00133	1.103	0.000107
10:48:48.351	-9	0.00008	0.00027	0.00134	1.108	0.000108
10:48:49.351	-9	0.00008	0.00025	0.00134	1.105	0.000107
10:48:50.351	-9	0.00008	0.00028	0.00139	1.145	0.000111
10:48:51.351	-9	0.00009	0.00028	0.00148	1.225	0.000119
10:48:52.351	-9	0.0001	0.00034	0.00169	1.4	0.000136
10:48:53.351	-9	0.00014	0.00046	0.00233	2.103	0.000204
10:48:54.351	-9	0.00018	0.0006	0.00397	3.325	0.000322
10:48:55.351	-9.2	0.00024	0.00081	0.00471	5.4	0.000523
10:48:56.351	-10	0.00027	0.00076	0.00353	5.857	0.000567
10:48:57.351	-9.8	0.00033	0.00078	0.00288	5.287	0.000511
10:48:58.351	-9	0.00041	0.00077	0.00369	5.795	0.000561
10:48:59.351	-9.2	0.00061	0.00111	0.0051	8.539	0.000826
10:49:00.351	-10	0.00075	0.00114	0.00449	9.549	0.000923
10:49:01.351	-9.8	0.00124	0.00124	0.00467	10.687	0.001033
10:49:02.351	-9.2	0.00161	0.00144	0.0045	11.119	0.001075
10:49:03.351	-9.8	0.00146	0.00107	0.00371	8.82	0.000853
10:49:04.351	-9	0.00118	0.00091	0.00361	6.679	0.000646
10:49:05.351	-9	0.00092	0.00065	0.0031	5.155	0.000499
10:49:06.351	-9	0.00074	0.00062	0.00284	4.77	0.000461
10:49:07.351	-9	0.00057	0.00058	0.00251	4.656	0.00045
10:49:08.351	-9	0.00047	0.00057	0.00239	4.761	0.00046
10:49:09.351	-9	0.00039	0.00059	0.00232	5.018	0.000485
10:49:10.351	-9	0.0003	0.0005	0.00195	4.707	0.000455
10:49:11.351	-9	0.00021	0.00042	0.00147	3.486	0.000337
10:49:12.351	-9	0.00019	0.00036	0.00149	3.056	0.000295
10:49:13.351	-9	0.00016	0.00037	0.00133	2.692	0.00026
10:49:14.351	-9	0.00016	0.00039	0.00146	2.6	0.000252
10:49:15.351	-9.2	0.00016	0.00044	0.00189	2.781	0.000269
10:49:16.351	-9.8	0.00014	0.00043	0.00189	2.59	0.000251
10:49:17.351	-9	0.00012	0.00035	0.0015	2.242	0.000217
10:49:18.351	-9	0.0001	0.00032	0.00128	1.87	0.000181
10:49:19.351	-9	0.0001	0.00028	0.0012	1.65	0.00016
10:49:20.351	-9.3	0.00009	0.00029	0.00102	1.468	0.000142

0	3.20E+00	2.400	1.500	1.969	1.230	38.100	190.4	14.6778	779	0	40.8	249.69875	229.4129
0	3.20E+00	2.400	1.500	1.969	1.230	35.400	190.4	14.47787	776	0	40.1	251.504092	228.719931
0	3.20E+00	2.400	1.500	1.969	1.231	38.100	190.4	14.44635	780	0	41	253.412284	228.5
0	3.20E+00	2.400	1.500	1.969	1.231	36.100	190.4	14.66	782	0	40.3	256.573507	228.5
0	3.20E+00	2.400	1.500	1.970	1.231	38.300	190.4	14.59319	777	0	40	256.579712	228.0362
0	3.20E+00	2.400	1.500	1.970	1.231	37.400	190.4	14.61952	780	0	40	259.554615	227.384667
0	3.30E+00	2.400	1.600	1.970	1.313	37.100	190.4	14.52308	782	0	40.2	255.072727	226.606356
0	3.40E+00	2.500	1.600	2.051	1.313	39.000	190.4	14.52378	777	0	40.9	251.91378	226.6
0	3.40E+00	2.500	1.600	2.052	1.314	35.900		14.58874	781	0	40.7	250.378528	226.6
0	3.40E+00	2.500	1.600	2.052	1.314	39.100		14.40832	781	0	39.9	251.266462	226.517344
0	3.40E+00	2.500	1.700	2.053	1.396	36.000		14.5698	781	0	39.4	251.721287	225.921687
0	3.40E+00	2.500	1.700	2.053	1.396	37.800		14.56794	780	0	39.5	251.36473	225.4
0	3.40E+00	2.500	1.700	2.053	1.396	37.100		14.5025	779	0	40.1	252.511042	225.323137
0	3.40E+00	2.500	1.700	2.053	1.396	37.400	190.4	14.43066	781	0	39.6	251.283684	224.619399
0	3.40E+00	2.500	1.700	2.053	1.396	38.300	190.4	14.47	778	0	39.2	244.016266	224
0	3.40E+00	2.500	1.700	2.053	1.396	36.600	190.4	14.66	778	0	39.6	247.046787	223.720823
0	3.40E+00	2.500	1.700	2.053	1.396	39.300	190.4	14.54404	797	0	40.6	253.676346	223.4
0	3.40E+00	2.500	1.700	2.053	1.396	36.600	190.4	16.32427	890	0	47.4	257.4125	224.35305
0	3.50E+00	2.600	1.700	2.135	1.396	38.800	190.4	18.03879	1021	0.201	61.8	256.842197	226.661039
0	3.50E+00	2.600	1.700	2.126	1.390	38.500	190.4	27.62206	1361	2.264	86.4	257.51375	235.962338
0.2	3.40E+00	2.600	1.600	2.103	1.294	38.100	190.4	34.95719	1476	4.855	75	259.739583	248.84
4.8	3.40E+00	2.600	1.600	2.077	1.278	37.400	190.4	43.44457	1762	7.313	74.6	262.990082	271.946058
4.9	3.70E+00	3.100	1.600	2.461	1.269	34.900	190.4	47.19623	1704	9.175	76.9	264.830475	286.132941
8.7	4.90E+00	4.600	1.600	3.655	1.273	38.300	190.4	42.1637	1663	10.552	80.2	269.775916	296.199223
8.8	5.70E+00	5.600	1.600	4.439	1.273	35.300	190.4	42.2455	1715	11.957	80.5	276.974803	305.799652
11.5	6.10E+00	6.100	1.600	4.825	1.266	36.800	190.4	64.60046	1995	14.22	83.9	283.565489	322.018838
11.7	6.90E+00	7.200	1.600	5.661	1.260	35.000	190.4	69.02334	1943	16.343	82.9	294.844172	345.956678
16.3	1.05E+01	11.700	1.600	9.202	1.259	34.600	190.7	73.29514	2068	18.749	84.4	302.728605	363.64202
16.5	1.31E+01	15.100	1.600	11.879	1.259	39.000	191.1	76.62483	2120	21.074	82.1	289.697736	380.422356
21.5	1.45E+01	16.900	1.500	13.318	1.183	35.500	191.5	67.29663	2090	22.972	78.3	284.505805	386.667517
21.5	1.50E+01	17.400	1.500	13.781	1.188	38.300	191.9	47.27622	1927	23.698	84.2	276.397259	385.090784
21.6	1.50E+01	17.400	1.500	13.792	1.189	35.200	192.2	39.34214	1570	24.22	78.3	265.440577	380.664208
24.7	1.32E+01	15.200	1.500	12.061	1.188	36.700	192.2	33.11597	1392	24.22	79.9	264.152783	376.536673
25.4	1.07E+01	12.000	1.500	9.508	1.185	35.800	192.2	32.13087	1391	24.22	82.6	264.822593	372.643137
25.4	8.80E+00	9.800	1.400	7.735	1.104	35.300	192.2	32.714	1392	24.22	83.4	253.393285	371.032265
25.3	7.20E+00	7.700	1.400	6.066	1.100	36.300	192.2	33.65079	1387	24.22	82.8	254.79548	370.9
25.3	6.00E+00	6.200	1.400	4.866	1.098	33.100	192.3	32.71538	1367	24.22	80	246.589642	369.52063
25.1	5.70E+00	5.800	1.400	4.555	1.100	37.400	192.7	22.75059	1314	23.113	69.7	259.372703	361.045829
25.1	5.40E+00	5.600	1.300	4.415	1.025	35.100	193.1	19.88446	1247	21.735	57.6	271.112821	350.740551
25	5.10E+00	5.100	1.300	4.042	1.030	38.000	193.5	19.51957	1168	20.49	56.3	293.520729	340.881433
22.9	4.80E+00	4.700	1.300	3.741	1.035	39.800	193.9	18.64398	1146	18.927	57.2	288.193072	332.9875
20	4.50E+00	4.400	1.300	3.509	1.036	40.400	194	22.57143	1342	17.729	56	282.421951	327.128459
20	4.30E+00	4.100	1.300	3.268	1.036	42.000	194	21.26453	1214	16.511	45	278.312729	321.492857
19.9	4.20E+00	4.100	1.200	3.273	0.960	39.700	194	18.06064	1104	15.034	36.9	271.167708	313.166016
17.3	4.10E+00	3.900	1.200	3.120	0.959	42.500	194	14.71345	967	13.14	26.3	265.864865	303.054855
14.2	4.10E+00	3.900	1.200	3.132	0.964	40.000	194	13.65742	1047	10.762	16.9	262.086224	292.529329
14	4.00E+00	3.800	1.200	3.072	0.970	41.000	194	13.79021	974	8.789	23.9	258.268929	282.256287

0.57937	0.48096	5.41438	8842.319
0.57944	0.4812	5.41571	8843.444
0.57951	0.48146	5.41705	8844.569
0.57958	0.48171	5.41839	8845.691
0.57965	0.48198	5.41974	8846.814
0.57972	0.48224	5.42109	8847.94
0.5798	0.4825	5.42244	8849.067
0.57988	0.48277	5.42378	8850.182
0.57996	0.48302	5.42512	8851.293
0.58004	0.48329	5.42646	8852.404
0.58012	0.48354	5.4278	8853.51
0.5802	0.4838	5.42913	8854.607
0.58028	0.48406	5.43046	8855.709
0.58036	0.48432	5.43179	8856.812
0.58044	0.48459	5.43313	8857.92
0.58052	0.48484	5.43447	8859.025
0.5806	0.48512	5.43586	8860.17
0.58069	0.4854	5.43734	8861.395
0.58079	0.48574	5.43903	8862.795
0.58093	0.4862	5.44136	8864.898
0.58111	0.4868	5.44533	8868.223
0.58135	0.48761	5.45004	8873.623
0.58162	0.48837	5.45357	8879.48
0.58195	0.48915	5.45645	8884.767
0.58236	0.48992	5.46014	8890.562
0.58297	0.49103	5.46524	8899.101
0.58372	0.49217	5.46973	8908.65
0.58496	0.49341	5.4744	8919.337
0.58657	0.49485	5.4789	8930.456
0.58803	0.49592	5.48261	8939.276
0.58921	0.49683	5.48622	8945.955
0.59013	0.49748	5.48932	8951.11
0.59087	0.4981	5.49216	8955.88
0.59144	0.49868	5.49467	8960.536
0.59191	0.49925	5.49706	8965.297
0.5923	0.49984	5.49938	8970.315
0.5926	0.50034	5.50133	8975.022
0.59281	0.50076	5.5028	8978.508
0.593	0.50112	5.50429	8981.564
0.59316	0.50149	5.50562	8984.256
0.59332	0.50188	5.50708	8986.856
0.59348	0.50232	5.50897	8989.637
0.59362	0.50275	5.51086	8992.227
0.59374	0.5031	5.51236	8994.469
0.59384	0.50342	5.51364	8996.339
0.59394	0.5037	5.51484	8997.989
0.59403	0.50399	5.51586	8999.457

10:49:21.351	-10	0.0001	0.00029	0.00093	1.341	0.00013
10:49:22.351	-10	0.0001	0.0003	0.00124	1.132	0.00011
10:49:23.351	-9.8	0.0001	0.00029	0.00164	1.057	0.000103
10:49:24.351	-9.2	0.0001	0.00025	0.00176	1.168	0.000113
10:49:25.351	-10	0.0001	0.00027	0.00168	1.362	0.000132
10:49:26.351	-9.8	0.00009	0.00027	0.00143	1.485	0.000144
10:49:27.351	-9.2	0.00009	0.00029	0.00124	1.442	0.00014
10:49:28.351	-9.8	0.00009	0.00029	0.00137	1.422	0.000138
10:49:29.351	-9.2	0.00012	0.00039	0.00211	1.952	0.000189
10:49:30.351	-9.8	0.00017	0.00062	0.00311	3.22	0.000312
10:49:31.351	-9	0.00024	0.00081	0.00536	5.416	0.000525
10:49:32.351	-9.2	0.00032	0.00111	0.00645	7.955	0.00077
10:49:33.351	-9.8	0.00053	0.00117	0.00545	9.578	0.000926
10:49:34.351	-9.2	0.00083	0.00109	0.00465	8.515	0.000823
10:49:35.351	-10	0.00078	0.00083	0.00382	6.056	0.000586
10:49:36.351	-10	0.00072	0.00064	0.00345	4.844	0.000469
10:49:37.351	-10	0.0007	0.00068	0.00367	4.807	0.000465
10:49:38.351	-10	0.0006	0.00062	0.00341	4.964	0.00048
10:49:39.351	-10	0.00044	0.00061	0.00269	4.716	0.000456
10:49:40.351	-10	0.00037	0.00061	0.0025	4.793	0.000463
10:49:41.351	-10	0.00034	0.00067	0.00258	4.924	0.000476
10:49:42.351	-10	0.00031	0.00068	0.00267	5.075	0.000491
10:49:43.351	-10	0.00031	0.00071	0.00291	5.516	0.000533
10:49:44.351	-10	0.00032	0.00084	0.00318	6.061	0.000586
10:49:45.351	-10	0.00044	0.0011	0.00452	8.644	0.000836
10:49:46.351	-10	0.00039	0.001	0.00409	7.844	0.000758
10:49:47.351	-10	0.00036	0.00063	0.00229	5.136	0.000496
10:49:48.351	-10	0.00036	0.00056	0.00149	4.072	0.000394
10:49:49.351	-10	0.00027	0.00043	0.00153	2.941	0.000284
10:49:50.351	-10	0.0002	0.00032	0.00147	2.34	0.000226
10:49:51.351	-10	0.00015	0.00029	0.00116	2.016	0.000195
10:49:52.351	-10	0.00011	0.00025	0.00073	1.553	0.00015
10:49:53.351	-10	0.00015	0.00039	0.00092	1.844	0.000179
10:49:54.351	-10	0.00014	0.0004	0.0011	1.462	0.000142
10:49:55.351	-10	0.00016	0.00048	0.00219	1.516	0.000147
10:49:56.351	-10	0.00019	0.00059	0.00382	2.458	0.000239
10:49:57.351	-10	0.00029	0.00093	0.00653	6.058	0.000587
10:49:58.351	-10	0.00043	0.00134	0.00797	10.333	0.000999
10:49:59.351	-9.8	0.00091	0.00139	0.00575	11.655	0.001126
10:50:00.351	-9.2	0.0013	0.00138	0.00529	10.705	0.001035
10:50:01.351	-10	0.00117	0.00098	0.00429	7.702	0.000745
10:50:02.351	-10	0.00064	0.00054	0.00237	3.936	0.000381
10:50:03.351	-10	0.00036	0.00032	0.00145	2.287	0.000221
10:50:04.351	-10	0.00023	0.00025	0.00117	1.723	0.000167
10:50:05.351	-10	0.00018	0.00025	0.00062	1.432	0.000139
10:50:06.351	-9.8	0.00018	0.0003	0.00063	1.438	0.000139
10:50:07.351	-9.2	0.00015	0.00031	0.00066	0.979	0.000095

9.7	4.00E+00	3.700	1.200	3.012	0.977	40.000
9.7	3.90E+00	3.600	1.200	2.961	0.987	38.700
9.6	3.90E+00	3.500	1.200	2.890	0.991	37.600
6.7	3.80E+00	3.400	1.200	2.799	0.987	33.100
4.9	3.80E+00	3.400	1.200	2.772	0.978	35.800
4.9	3.70E+00	3.300	1.200	2.680	0.975	35.000
3.8	3.70E+00	3.300	1.200	2.688	0.978	37.500
3.8	3.40E+00	3.100	1.100	2.528	0.898	37.300
3.1	3.30E+00	2.900	1.100	2.368	0.898	36.000
3.1	3.20E+00	2.900	1.100	2.351	0.892	38.200
3.2	3.20E+00	2.900	1.100	2.327	0.883	35.600
5	3.30E+00	3.000	1.100	2.381	0.873	38.000
9.2	4.70E+00	4.800	1.200	3.783	0.947	35.000
9.4	8.10E+00	9.100	1.200	7.182	0.951	35.700
14.4	1.03E+01	11.900	1.100	9.429	0.873	36.500
14.5	1.15E+01	13.400	1.100	10.653	0.875	34.100
18.1	1.15E+01	13.400	1.100	10.654	0.875	37.000
18.2	1.01E+01	11.600	1.100	9.205	0.871	34.400
19.8	8.10E+00	9.100	1.100	7.212	0.868	36.900
19.8	6.70E+00	7.300	1.100	5.785	0.868	36.500
19.8	5.90E+00	6.400	1.100	5.057	0.869	38.500
20.8	5.20E+00	5.500	1.100	4.349	0.869	37.800
20.8	4.70E+00	4.900	1.100	3.873	0.869	36.700
21.7	4.60E+00	4.700	1.100	3.712	0.869	39.300
23.1	4.60E+00	4.700	1.100	3.699	0.866	37.400
23.2	4.70E+00	4.900	1.100	3.834	0.862	39.800
25.3	6.20E+00	6.800	1.100	5.342	0.865	36.500
25.2	7.40E+00	8.300	1.100	6.570	0.871	38.400
22.4	7.50E+00	8.400	1.100	6.666	0.873	38.800
22.5	6.90E+00	7.600	1.100	6.036	0.873	36.800
25.2	6.00E+00	6.500	1.100	5.169	0.874	38.700
25	5.20E+00	5.400	1.100	4.325	0.881	38.100
20.1	4.90E+00	4.900	1.100	3.974	0.892	41.800
20	4.40E+00	4.300	1.100	3.536	0.905	41.000
15.7	4.10E+00	3.900	1.100	3.225	0.910	41.000
15.6	3.80E+00	3.500	1.100	2.864	0.900	39.600
13.1	3.60E+00	3.400	1.100	2.711	0.877	38.700
13.1	3.80E+00	3.700	1.100	2.905	0.864	39.000
14	7.30E+00	8.200	1.100	6.405	0.862	36.900
14	1.10E+01	12.800	1.100	10.101	0.866	38.800
14.1	1.32E+01	15.600	1.100	12.297	0.868	36.800
17.8	1.37E+01	16.200	1.100	12.811	0.870	38.200
19.4	1.32E+01	15.500	1.100	12.291	0.872	38.400
19.3	1.07E+01	12.300	1.100	9.778	0.874	38.200
17	8.70E+00	9.600	1.200	7.703	0.963	41.300
17	6.90E+00	7.400	1.100	6.029	0.896	39.000
16.9	6.00E+00	6.100	1.100	5.053	0.911	41.800

194	14.77346	957	6.949	41.9	254.013466	276.480174
194	15.78247	961	6.181	41.9	250.703265	275.113965
194	16.82432	1007	5.568	44.2	250.263936	274.8
194	15.83212	981	4.354	35.1	249.031977	272.186139
194	16.23649	963	3.73	32.3	244.970283	269.832065
194	15.99964	877	3.11	32.6	245.613208	268.363861
194	16.3319	876	3.11	39	242.279592	266.858721
194	15.47192	813	2.48	44.1	243.621687	265.362753
194	21.04183	1087	2.947	65.8	243.833472	266.635857
194	34.59551	1481	4.651	77	245.4925	279.700401
194	45.0533	1730	7.13	76	247.020417	297.361216
194	63.004	1971	9.347	81.9	260.425051	318.677331
194	70.30672	1971	11.792	81.4	270.037852	343.105217
193.7	59.15527	1978	14.392	77.8	287.790862	358.414667
193.3	54.22579	1776	15.741	69.2	294.501871	362.1208
192.9	36.95133	1630	17	74.4	295.5425	361.129736
192.6	36.9972	1665	18.01	80.2	295.439499	360.974147
192.2	38.13082	1715	19.218	81.6	287.280732	363.516444
192.2	30.25154	1638	19.337	75.7	279.748305	363.16
192.2	34.97988	1671	19.87	71.6	280.313244	361.84034
192.2	36.07755	1703	20.49	75.9	270.135958	360.990255
192.2	37.7315	1745	21.11	76.7	260.711253	361.498901
192.4	43.54462	1832	21.599	75.5	273.956443	365.29967
192.7	41.20303	1836	22.33	81.5	280.941344	368.184314
193.1	53.29062	1997	22.98	89.1	281.03913	375.547913
193.5	65.56504	1933	24.146	78.1	285.417688	395.566667
193.8	36.0007	1599	24.84	66.3	282.31245	391.122222
194	28.61003	1389	24.225	72.4	296.665879	382.151143
194	21.62053	1349	23.508	53.4	299.390224	374.55974
194	17.15303	1281	22.258	32.6	294.13977	358.036014
194	17.52161	1182	20.86	28	300.495102	340.17669
194	10.19816	1081	18.81	11.1	291.921633	323.438824
	18.82356	1187	16.354	31.9	285.228615	310.366405
	18.99837	1145	14.718	49.8	280.056198	301.270671
	24.43625	1338	13.46	69.1	279.924689	302.325691
	32.89129	1430	12.829	77.2	284.350511	311.971711
	53.74867	1730	12.853	83.7	288.212127	329.418861
194	76.20774	2033	13.872	83.4	309.374684	363.669803
194	78.63621	2084	15.811	81.8	323.229583	389.788
194	74.89888	2057	17.682	79.6	332.682255	405.077072
194	48.8948	1903	18.63	86.4	333.525096	409.006607
194	28.76517	1533	18.825	47.8	332.929231	399.142058
194	16.53536	1240	17.594	15.1	325.21803	378.411973
194	8.21388	994	16.367	12.5	316.386047	357.021386
194	8.58648	919	15.136	12.9	308.938462	341.292308
194	15.61786	838	13.782	13.7	296.841549	326.469527
194	14.88706	866	11.699	17.1	284.715	311.661142

0.59413	0.50428	5.51679	9000.798
0.59423	0.50458	5.51803	9001.93
0.59433	0.50487	5.51967	9002.987
0.59443	0.50512	5.52143	9004.155
0.59453	0.50539	5.52311	9005.517
0.59462	0.50566	5.52454	9007.002
0.59471	0.50595	5.52578	9008.444
0.5948	0.50624	5.52715	9009.866
0.59492	0.50663	5.52926	9011.818
0.59509	0.50725	5.53237	9015.038
0.59533	0.50806	5.53773	9020.454
0.59565	0.50917	5.54418	9028.409
0.59618	0.51034	5.54963	9037.987
0.59701	0.51143	5.55428	9046.502
0.59779	0.51226	5.5581	9052.558
0.59851	0.5129	5.56155	9057.402
0.59921	0.51358	5.56522	9062.209
0.59981	0.5142	5.56863	9067.173
0.60025	0.51481	5.57132	9071.889
0.60062	0.51542	5.57382	9076.682
0.60096	0.51609	5.5764	9081.606
0.60127	0.51677	5.57907	9086.681
0.60158	0.51748	5.58198	9092.197
0.6019	0.51832	5.58516	9098.258
0.60234	0.51942	5.58968	9106.902
0.60273	0.52042	5.59377	9114.746
0.60309	0.52105	5.59606	9119.882
0.60345	0.52161	5.59755	9123.954
0.60372	0.52204	5.59908	9126.895
0.60392	0.52236	5.60055	9129.235
0.60407	0.52265	5.60171	9131.251
0.60418	0.5229	5.60244	9132.804
0.60433	0.52329	5.60336	9134.648
0.60447	0.52369	5.60446	9136.11
0.60463	0.52417	5.60665	9137.626
0.60482	0.52476	5.61047	9140.084
0.60511	0.52569	5.617	9146.142
0.60554	0.52703	5.62497	9156.475
0.60645	0.52842	5.63072	9168.13
0.60775	0.5298	5.63601	9178.835
0.60892	0.53078	5.6403	9186.537
0.60956	0.53132	5.64267	9190.473
0.60992	0.53164	5.64412	9192.76
0.61015	0.53189	5.64529	9194.483
0.61033	0.53214	5.64591	9195.915
0.61051	0.53244	5.64654	9197.353
0.61066	0.53275	5.6472	9198.332

10:50:08.351	-9.8	0.00012	0.00028	0.00098	0.684	0.000066
10:50:09.351	-9.2	0.0001	0.00027	0.00137	0.575	0.000056
10:50:10.351	-9.8	0.0001	0.00027	0.00153	0.547	0.000053
10:50:11.351	-9.2	0.0001	0.00027	0.00154	0.515	0.00005
10:50:12.351	-10	0.0001	0.00028	0.00145	0.557	0.000054
10:50:13.351	-9.8	0.00009	0.00027	0.00131	0.655	0.000064
10:50:14.351	-9	0.0001	0.00031	0.00132	0.837	0.000081
10:50:15.351	-9.3	0.00011	0.00033	0.00153	1.115	0.000108
10:50:16.351	-9.8	0.00015	0.00046	0.0024	1.788	0.000173
10:50:17.351	-9.2	0.00023	0.00073	0.0033	3.545	0.000344
10:50:18.351	-10	0.00029	0.00089	0.0048	5.392	0.000522
10:50:19.351	-10	0.00027	0.00087	0.00394	5.293	0.000512
10:50:20.351	-10	0.00028	0.00085	0.00378	5.378	0.000521
10:50:21.351	-10	0.00027	0.00092	0.00369	5.602	0.000542
10:50:22.351	-9.8	0.00028	0.00081	0.00288	5.348	0.000517
10:50:23.351	-9	0.00031	0.00088	0.00277	5.99	0.000579
10:50:24.351	-9	0.00033	0.00092	0.00347	6.448	0.000623
10:50:25.351	-9	0.00033	0.00082	0.00317	6.106	0.00059
10:50:26.351	-9	0.00029	0.00075	0.00276	5.157	0.000499
10:50:27.351	-9	0.00021	0.00051	0.00209	3.519	0.00034
10:50:28.351	-9	0.00018	0.00048	0.00174	2.752	0.000266
10:50:29.351	-9	0.00014	0.00039	0.00113	1.982	0.000192
10:50:30.351	-9.2	0.00011	0.00032	0.00116	1.477	0.000143
10:50:31.351	-10	0.0001	0.0003	0.0012	1.398	0.000135
10:50:32.351	-9.8	0.00013	0.0004	0.00135	1.705	0.000165
10:50:33.351	-9	0.00014	0.00043	0.00105	1.209	0.000117
10:50:34.351	-9	0.00014	0.00042	0.00102	0.973	0.000094
10:50:35.351	-9	0.00012	0.00042	0.00142	0.883	0.000086
10:50:36.351	-9	0.00013	0.00044	0.00162	1.183	0.000115
10:50:37.351	-9	0.00014	0.00051	0.00258	1.821	0.000177
10:50:38.351	-9	0.00013	0.00048	0.00291	2.447	0.000237
10:50:39.351	-9	0.00012	0.00042	0.00233	2.6	0.000252
10:50:40.351	-9	0.00011	0.00042	0.00148	2.29	0.000222
10:50:41.351	-9	0.00011	0.00036	0.00075	1.77	0.000171
10:50:42.351	-9.2	0.00009	0.00034	0.00103	1.28	0.000124
10:50:43.351	-9.8	0.00007	0.00026	0.00109	0.98	0.000095
10:50:44.351	-9	0.00006	0.00022	0.00101	0.836	0.000081
10:50:45.351	-9	0.00006	0.00021	0.00098	0.788	0.000076
10:50:46.351	-9	0.00006	0.00019	0.00089	0.669	0.000065
10:50:47.351	-9	0.00006	0.0002	0.00062	0.543	0.000053
10:50:48.351	-9	0.00008	0.00027	0.00086	0.548	0.000053
10:50:49.351	-9	0.00007	0.00025	0.00059	0.31	0.00003
10:50:50.351	-9	0.00007	0.00023	0.00067	0.237	0.000023
10:50:51.351	-9	0.00008	0.00027	0.00101	0.26	0.000025
10:50:52.351	-9	0.00008	0.00028	0.00103	0.273	0.000027
10:50:53.351	-9	0.00008	0.00026	0.00111	0.321	0.000031
10:50:54.351	-9	0.00008	0.00025	0.0011	0.411	0.00004

14.6	5.10E+00	5.000	1.100	4.179	0.919	40.100
10.9	4.70E+00	4.500	1.100	3.778	0.923	39.800
10.7	4.50E+00	4.200	1.100	3.532	0.924	38.800
6.7	4.20E+00	3.900	1.100	3.288	0.927	38.700
6.7	4.10E+00	3.800	1.100	3.192	0.924	39.400
6.6	4.00E+00	3.700	1.100	3.096	0.920	38.700
2.6	4.10E+00	3.700	1.200	3.083	0.999	41.800
2.5	4.10E+00	3.700	1.200	3.061	0.993	39.900
0.1	4.00E+00	3.700	1.200	3.038	0.985	40.600
3.1	4.00E+00	3.700	1.300	2.997	1.053	42.300
3.1	4.00E+00	3.700	1.300	2.958	1.039	40.700
3.3	3.90E+00	3.600	1.300	2.867	1.035	42.300
8.8	4.00E+00	3.700	1.300	2.952	1.037	40.000
13.1	4.00E+00	3.800	1.200	3.017	0.953	44.000
13.3	4.40E+00	4.300	1.200	3.409	0.952	41.500
17.1	4.50E+00	4.500	1.200	3.564	0.950	42.000
17.3	4.60E+00	4.600	1.200	3.631	0.947	42.400
20.7	4.90E+00	5.000	1.200	3.939	0.945	40.700
20.9	5.00E+00	5.100	1.200	4.026	0.947	43.000
23.7	5.00E+00	5.100	1.200	4.039	0.950	41.000
23.8	5.00E+00	5.100	1.200	4.066	0.957	45.400
24.7	5.10E+00	5.100	1.200	4.096	0.964	47.000
24.7	4.90E+00	4.900	1.200	3.950	0.967	49.200
24.5	4.60E+00	4.500	1.200	3.625	0.966	47.200
24.5	4.50E+00	4.400	1.200	3.569	0.973	47.100
24.4	4.60E+00	4.300	1.200	3.566	0.995	45.900
22.9	4.30E+00	3.900	1.200	3.265	1.004	43.600
22.2	3.90E+00	3.500	1.200	2.931	1.005	45.000
22.2	3.70E+00	3.200	1.200	2.667	1.000	42.500
22.2	3.60E+00	3.200	1.200	2.631	0.987	44.200
22.2	3.60E+00	3.200	1.300	2.581	1.047	44.200
23.1	3.60E+00	3.200	1.300	2.549	1.035	43.000
23.1	3.60E+00	3.200	1.300	2.563	1.041	45.200
23.1	3.70E+00	3.200	1.300	2.598	1.055	41.600
23.1	3.60E+00	3.100	1.300	2.540	1.065	44.600
22.6	3.60E+00	3.100	1.300	2.544	1.067	43.100
22.6	3.60E+00	3.100	1.300	2.548	1.069	41.700
22.5	3.50E+00	3.000	1.300	2.469	1.070	42.200
20.5	3.60E+00	3.000	1.300	2.481	1.075	40.600
17.1	3.50E+00	2.900	1.300	2.420	1.085	41.000
17	3.50E+00	2.800	1.300	2.359	1.095	38.100
13.8	3.40E+00	2.700	1.300	2.292	1.103	40.200
13.7	3.40E+00	2.700	1.300	2.300	1.107	37.100
10.8	3.40E+00	2.700	1.300	2.301	1.108	38.100
10.6	3.30E+00	2.600	1.300	2.216	1.107	38.300
7	3.30E+00	2.600	1.300	2.209	1.105	37.000
6.9	3.30E+00	2.600	1.300	2.201	1.100	36.300

194	13.8196	885	9.733	13.4	279.927221	299.646363
194	13.43709	819	7.881	23.1	279.541825	289.680157
194	14.3281	803	5.768	31.2	277.469479	283.654555
194	14.42438	795	3.542	34.8	277.116698	279.902344
	14.99659	796	2.13	40.8	276.67125	278.484284
	14.74193	790	0.62	39.6	277.086604	277.794216
	14.56972	810	0	40.5	277.101845	277.178235
	17.33246	949	0.926	48	277.4	278.422449
	20.6984	1170	2.787	67	277.727481	281.5095
194	37.919	1579	5.894	78.7	278.86	296.825674
194	45.86523	1887	8.378	68.8	283.170424	312.964064
194	42.2485	1638	10.863	66.6	287.039114	320.685
194	42.567	1758	12.827	79.6	287.625678	331.351613
194	45.4624	1788	14.95	79.6	284.225626	342.497773
194	39.97897	1673	16.482	81.3	286.43617	349.6628
194	43.44652	1766	18.325	84.7	287.859519	358.483871
194	46.00629	1832	20.168	84.1	290.168079	369.609127
194	43.72136	1846	21.786	82	289.959794	376.960185
194	37.46419	1870	22.98	73.6	291.222553	377.9
	24.17449	1661	23.6	57.9	291.081757	367.248152
	20.59904	1359	23.6	53.1	292.769297	354.99133
	24.29466	1366	24.22	37	292.919318	343.235
	11.79402	1333	23.267	1.3	290.497059	326.887604
	11.05381	1289	22.647	4.9	289.375097	310.502703
194	21.20797	1237	22.04	12.7	289.378928	299.199412
194	25.79706	1223	21.443	15.9	289.079096	288.471596
194	20.1941	1210	21.11	33.3	288.531288	279.904198
194	19.91	1199	21.11	43	288.242211	277.718351
194	21.1867	1232	21.518	62.7	289.549062	278.883916
194	25.05	1252	22.141	74	289.404481	290.814668
194	24.90077	1280	22.36	46.1	291.097172	298.632009
194	18.60967	1275	22.36	31.2	290.369863	291.614415
194	18.11501	1258	22.36	36.8	288.80818	284.222896
194	17.91	1255	21.73	32	288.227393	279.477282
194	16.17647	1217	21.2	14.5	287.518577	273.429931
194	10.4407	1185	20.603	0	285.766334	263.420118
194	9.81548	1093	19.302	2.8	283.342449	256.12211
194	9.95843	1225	17.403	2.7	279.07018	249.173597
194	10.23	1195	16.055	0.4	275.7711	243.105779
	9.38425	1076	14.208	4.4	275.462162	238.2618
	19.33867	973	12.898	3.9	273.583125	234.033268
	10.37431	948	11.13	7.8	273.720309	228.123955
	12.3345	913	9.869	14	271.060125	224.958721
	15.13555	808	8.005	20.6	271.796154	221.962783
192.2	15.19864	799	6.067	31	262.412308	221.132216
192.2	15.20546	821	4.547	31.8	262.406748	222.427905
192.2	14.36676	769	2.26	39	263.105	224.310599

0.61078	0.53303	5.64818	9199.016
0.61088	0.5333	5.64955	9199.591
0.61098	0.53357	5.65108	9200.138
0.61108	0.53384	5.65262	9200.653
0.61118	0.53412	5.65407	9201.21
0.61127	0.53439	5.65538	9201.865
0.61137	0.5347	5.6567	9202.702
0.61148	0.53503	5.65823	9203.817
0.61163	0.53549	5.66063	9205.605
0.61186	0.53622	5.66393	9209.15
0.61215	0.53711	5.66873	9214.542
0.61242	0.53798	5.67267	9219.835
0.6127	0.53883	5.67645	9225.213
0.61297	0.53975	5.68014	9230.815
0.61325	0.54056	5.68302	9236.163
0.61356	0.54144	5.68579	9242.153
0.61389	0.54236	5.68926	9248.601
0.61422	0.54318	5.69243	9254.707
0.61451	0.54393	5.69519	9259.864
0.61472	0.54444	5.69728	9263.383
0.6149	0.54492	5.69902	9266.135
0.61504	0.54531	5.70015	9268.117
0.61515	0.54563	5.70131	9269.594
0.61525	0.54593	5.70251	9270.992
0.61538	0.54633	5.70386	9272.697
0.61552	0.54676	5.70491	9273.906
0.61566	0.54718	5.70593	9274.879
0.61578	0.5476	5.70735	9275.762
0.61591	0.54804	5.70897	9276.945
0.61605	0.54855	5.71155	9278.766
0.61618	0.54903	5.71446	9281.213
0.6163	0.54945	5.71679	9283.813
0.61641	0.54987	5.71827	9286.103
0.61652	0.55023	5.71902	9287.873
0.61661	0.55057	5.72005	9289.153
0.61668	0.55083	5.72114	9290.133
0.61674	0.55105	5.72215	9290.969
0.6168	0.55126	5.72313	9291.757
0.61686	0.55145	5.72402	9292.426
0.61692	0.55165	5.72464	9292.969
0.617	0.55192	5.7255	9293.517
0.61707	0.55217	5.72609	9293.827
0.61714	0.5524	5.72676	9294.064
0.61722	0.55267	5.72777	9294.324
0.6173	0.55295	5.7288	9294.597
0.61738	0.55321	5.72991	9294.918
0.61746	0.55346	5.73101	9295.329

10:50:55.351	-9	0.00008	0.00024	0.00142	0.532	0.000052
10:50:56.351	-9	0.00008	0.00026	0.00144	0.663	0.000064
10:50:57.351	-9	0.00009	0.00028	0.00152	0.898	0.000087
10:50:58.351	-9	0.00011	0.00037	0.00253	1.42	0.000138
10:50:59.351	-9	0.0002	0.00068	0.00413	3.41	0.000331
10:51:00.351	-9	0.00029	0.00097	0.0065	6.398	0.00062
10:51:01.351	-9	0.00032	0.00088	0.00427	5.912	0.000572
10:51:02.351	-9	0.0004	0.0007	0.00319	4.718	0.000457
10:51:03.351	-9	0.00046	0.00075	0.00354	4.937	0.000478
10:51:04.351	-9	0.00044	0.00068	0.00307	4.889	0.000473
10:51:05.351	-9	0.00041	0.00065	0.00258	4.711	0.000456
10:51:06.351	-9	0.00024	0.00039	0.00137	2.862	0.000277
10:51:07.351	-9	0.00023	0.00039	0.0012	2.809	0.000272
10:51:08.351	-9	0.00024	0.00048	0.00114	2.797	0.000271
10:51:09.351	-9	0.00022	0.0005	0.00135	2.438	0.000236
10:51:10.351	-9	0.00019	0.0005	0.00197	2.254	0.000218
10:51:11.351	-9	0.00021	0.0006	0.00203	2.496	0.000242
10:51:12.351	-9	0.00018	0.00058	0.00139	2.096	0.000203
10:51:13.351	-9	0.00015	0.00049	0.00144	1.763	0.000171
10:51:14.351	-9	0.00015	0.00048	0.00181	1.983	0.000192
10:51:15.351	-9	0.00015	0.00049	0.00163	1.737	0.000168
10:51:16.351	-9	0.00016	0.0005	0.00107	1.445	0.00014
10:51:17.351	-9	0.00018	0.00059	0.00252	1.607	0.000156
10:51:18.351	-9	0.00018	0.00056	0.00324	1.943	0.000189
10:51:19.351	-9	0.0002	0.00065	0.00315	2.638	0.000256
10:51:20.351	-9	0.00023	0.00079	0.00351	3.505	0.00034
10:51:21.351	-9	0.00024	0.00071	0.00371	4.222	0.000409
10:51:22.351	-9	0.0002	0.00052	0.00191	3.207	0.00031
10:51:23.351	-9	0.00019	0.0004	0.00142	2.512	0.000243
10:51:24.351	-9	0.00018	0.00041	0.00172	2.119	0.000205
10:51:25.351	-9	0.00018	0.00042	0.00158	1.995	0.000193
10:51:26.351	-9	0.00019	0.00044	0.00155	1.849	0.000179
10:51:27.351	-9	0.00017	0.00041	0.00179	1.658	0.000161
10:51:28.351	-9	0.00015	0.00038	0.00191	1.719	0.000167
10:51:29.351	-9	0.00011	0.00032	0.00137	1.318	0.000128
10:51:30.351	-9	0.00009	0.00026	0.0011	0.977	0.000095
10:51:31.351	-9	0.00008	0.00025	0.00087	0.688	0.000067
10:51:32.351	-9	0.00007	0.00023	0.0007	0.5	0.000049
10:51:33.351	-9	0.00007	0.00023	0.00071	0.384	0.000037
10:51:34.351	-9	0.00007	0.00023	0.0009	0.318	0.000031
10:51:35.351	-9	0.00006	0.00021	0.00054	0.249	0.000024
10:51:36.351	-9	0.00006	0.00019	0.00059	0.194	0.000019
10:51:37.351	-9	0.00006	0.00017	0.00068	0.171	0.000017
10:51:38.351	-9	0.00007	0.00021	0.00089	0.176	0.000017
10:51:39.351	-9	0.00009	0.00026	0.00124	0.202	0.00002
10:51:40.351	-9	0.00008	0.00023	0.00108	0.157	0.000015
10:51:41.351	-9	0.00009	0.00029	0.00128	0.18	0.000018

3.2	3.40E+00	2.600	1.400	2.189	1.178	35.000
3.2	3.30E+00	2.600	1.400	2.177	1.172	38.600
3.1	3.30E+00	2.600	1.400	2.165	1.166	36.000
1.4	3.30E+00	2.600	1.400	2.149	1.157	36.800
2.9	3.30E+00	2.600	1.500	2.117	1.222	38.300
3.2	3.30E+00	2.600	1.500	2.087	1.204	36.000
9.1	4.20E+00	3.700	1.600	2.936	1.274	38.600
9.3	6.40E+00	6.400	1.600	5.096	1.281	36.600
13.2	7.20E+00	7.400	1.600	5.906	1.278	38.800
13.3	7.20E+00	7.400	1.600	5.891	1.274	37.200
16.5	7.10E+00	7.400	1.600	5.874	1.270	38.200
16.6	7.10E+00	7.300	1.600	5.784	1.268	38.200
19.6	6.90E+00	7.100	1.600	5.629	1.269	38.500
19.6	6.50E+00	6.600	1.600	5.270	1.278	43.700
20	6.10E+00	5.900	1.600	4.772	1.293	44.700
20	5.40E+00	5.200	1.500	4.214	1.213	47.000
20.7	4.80E+00	4.400	1.500	3.585	1.222	46.300
20.7	4.40E+00	3.900	1.500	3.202	1.231	46.200
21.1	4.20E+00	3.600	1.500	2.960	1.233	45.100
21.1	4.20E+00	3.600	1.500	2.944	1.227	43.200
21.2	4.20E+00	3.600	1.500	2.962	1.234	44.700
21.2	4.20E+00	3.500	1.500	2.911	1.247	42.300
21.2	4.00E+00	3.300	1.500	2.746	1.248	44.400
20.7	4.00E+00	3.300	1.500	2.726	1.239	41.400
21.1	3.90E+00	3.300	1.500	2.703	1.229	42.300
21.1	3.90E+00	3.300	1.500	2.684	1.220	44.400
22.3	4.00E+00	3.500	1.500	2.811	1.206	39.500
22.3	4.80E+00	4.500	1.500	3.589	1.200	41.000
23.5	5.40E+00	5.200	1.500	4.170	1.205	38.000
23.6	5.50E+00	5.300	1.500	4.284	1.212	42.400
25	5.50E+00	5.300	1.500	4.307	1.219	41.500
25	5.60E+00	5.300	1.500	4.331	1.226	42.900
25.2	5.20E+00	4.900	1.400	4.018	1.147	42.600
25.2	4.90E+00	4.600	1.400	3.753	1.142	41.600
25.5	4.60E+00	4.300	1.400	3.507	1.142	45.000
25.5	4.40E+00	3.900	1.400	3.208	1.152	43.000
25.3	4.20E+00	3.600	1.400	2.994	1.164	44.800
25.3	4.10E+00	3.500	1.400	2.936	1.174	43.100
24.7	4.00E+00	3.400	1.400	2.867	1.180	44.200
24.7	3.80E+00	3.100	1.400	2.626	1.184	44.900
24.7	3.80E+00	3.100	1.400	2.631	1.188	42.600
24.1	3.90E+00	3.200	1.400	2.721	1.191	42.000
20.8	3.80E+00	3.100	1.400	2.640	1.192	38.800
20.6	3.80E+00	3.100	1.300	2.643	1.109	39.800
15.3	3.90E+00	3.200	1.400	2.732	1.195	38.100
15.3	3.90E+00	3.200	1.400	2.734	1.196	38.200
15.1	3.80E+00	3.200	1.300	2.735	1.111	41.300

192.2	14.85016	794	1.509	40.3	257.553757	227.791356
192.2	14.3	779	0.835	40	263.615094	230.818004
192.2	15.63338	877	1.038	50.7	264.080791	234.595
192.2	18.54622	1074	2.876	59.5	265.884368	240.920408
192.2	37.69297	1541	5.644	86.6	276.126299	255.713579
192.2	58.50403	1998	8.743	77.4	282.200965	284.082295
192.2	48.16944	1963	11.18	65.2	290.741218	301.543736
192.2	44.718	1737	13.2	76	290.876526	311.723736
192.2	41.1514	1690	14.623	72.7	290.501134	320.878495
192.2	37.66784	1644	16.479	80	294.319467	329.291045
192.2	37.70829	1680	17.99	80.7	301.349081	336.274672
192.2	22.84587	1548	19.25	51	303.894088	337.737637
192.2	19.91752	1458	19.25	53.9	304.133542	325.190677
192.2	23.63771	1567	19.87	57.6	298.716667	314.337475
192.2	23.71337	1542	19.87	49.4	296.101253	305.17419
192.2	17.0035	1416	20.327	29.8	292.17996	294.690969
192.2	28.05096	1529	19.87	39.3	287.372131	283.746797
192.2	27.46081	1588	20.319	46.9	285.159808	279.108686
192.2	21.59131	1487	20.49	29.6	285.589846	275.378804
192.2	18.24388	1309	20.375	8.7	285.108708	265.070882
	22.88856	1465	19.87	24.4	284.951698	254.551925
	24.70089	1524	19.87	38.8	282.862147	250.265753
	24.45399	1557	20.065	51.6	281.905385	254.242242
	29.13197	1604	20.49	45.3	282.888235	255.2008
	31.36468	1685	20.663	58.8	281.568598	259.534961
192.2	38.8307	1788	21.88	70.3	281.871483	273.295122
192.2	36.6296	1851	23.073	68.8	283.796161	287.117829
192.2	26.77714	1572	23.6	48.7	285.856923	289.825386
192.2	20.08313	1374	24.22	41.9	284.5	284.574419
192.2	19.13425	1390	24.22	31.6	282.956757	278.572451
192.2	20.74914	1394	24.22	37.7	281.616393	270.063075
192.2	22.58692	1414	24.84	52.8	281.052789	268.786942
192.2	19.95067	1429	24.84	26.9	278.234694	266.327043
192.2	18.72241	1397	24.635	12.9	270.990956	255.530727
192.2	12.06184	1381	24.22	11.1	267.030698	245.99747
191.9	11.48619	1378	24.22	2.4	266.417366	238.829842
191.5	11.385	1369	24.144	2.4	270.925528	232.186572
191.1	11.14223	1354	23.6	13.8	273.286118	226.50882
190.7	11.18315	1341	23.6	1.5	277.951981	221.588925
190.4	10.87162	1321	22.98	0	276.695283	217.110294
190.4	10.60977	1264	22.381	0	274.694633	213.240238
190.4	9.41928	1096	19.185	2.5	274.995501	209.713043
190.4	8.96959	1104	15.961	4.5	274.649793	206.488
190.4	9.06501	1054	14.419	5.9	265.759499	203.034783
190.4	15.61277	997	12.43	6.2	257.067263	200.777911
190.4	7.65292	946	10.442	9.8	247.516958	197.190683
190.4	16.64508	845	8.903	17	245.66569	195.782456

0.61754	0.5537	5.73243	9295.861
0.61762	0.55396	5.73387	9296.524
0.61771	0.55424	5.73539	9297.422
0.61782	0.55461	5.73792	9298.842
0.61802	0.55529	5.74205	9302.252
0.61831	0.55626	5.74855	9308.65
0.61863	0.55714	5.75282	9314.562
0.61903	0.55784	5.75601	9319.28
0.61949	0.55859	5.75955	9324.217
0.61993	0.55927	5.76262	9329.106
0.62034	0.55992	5.7652	9333.817
0.62058	0.56031	5.76657	9336.679
0.62081	0.5607	5.76777	9339.488
0.62105	0.56118	5.76891	9342.285
0.62127	0.56168	5.77026	9344.723
0.62146	0.56218	5.77223	9346.977
0.62167	0.56278	5.77426	9349.473
0.62185	0.56336	5.77565	9351.569
0.622	0.56385	5.77709	9353.332
0.62215	0.56433	5.7789	9355.315
0.6223	0.56482	5.78053	9357.052
0.62246	0.56532	5.7816	9358.497
0.62264	0.56591	5.78412	9360.104
0.62282	0.56647	5.78736	9362.047
0.62302	0.56712	5.79051	9364.685
0.62325	0.56791	5.79402	9368.19
0.62349	0.56862	5.79773	9372.412
0.62369	0.56914	5.79964	9375.619
0.62388	0.56954	5.80106	9378.131
0.62406	0.56995	5.80278	9380.25
0.62424	0.57037	5.80436	9382.245
0.62443	0.57081	5.80591	9384.094
0.6246	0.57122	5.8077	9385.752
0.62475	0.5716	5.80961	9387.471
0.62486	0.57192	5.81098	9388.789
0.62495	0.57218	5.81208	9389.766
0.62503	0.57243	5.81295	9390.454
0.6251	0.57266	5.81365	9390.954
0.62517	0.57289	5.81436	9391.338
0.62524	0.57312	5.81526	9391.656
0.6253	0.57333	5.8158	9391.905
0.62536	0.57352	5.81639	9392.099
0.62542	0.57369	5.81707	9392.27
0.62549	0.5739	5.81796	9392.446
0.62558	0.57416	5.8192	9392.648
0.62566	0.57439	5.82028	9392.805
0.62575	0.57468	5.82156	9392.985

10:51:42.351	-9	0.00009	0.00028	0.00129	0.2	0.00002
10:51:43.351	-9	0.00009	0.0003	0.00119	0.241	0.000024
10:51:44.351	-9	0.00009	0.00027	0.00119	0.305	0.00003
10:51:45.351	-9	0.00009	0.00029	0.00136	0.395	0.000039
10:51:46.351	-9	0.00009	0.00026	0.00162	0.507	0.000049
10:51:47.351	-9	0.0001	0.00029	0.00141	0.677	0.000066
10:51:48.351	-9	0.00014	0.0004	0.0022	1.087	0.000106
10:51:49.351	-9	0.00023	0.00066	0.005	2.462	0.000239
10:51:50.351	-9	0.00026	0.00081	0.00577	4.272	0.000414
10:51:51.351	-9	0.00025	0.00068	0.00386	4.622	0.000448
10:51:52.351	-9	0.00035	0.00074	0.00257	4.992	0.000483
10:51:53.351	-9	0.00042	0.00078	0.00269	5.387	0.000521
10:51:54.351	-9	0.00048	0.00085	0.00321	6.162	0.000596
10:51:55.351	-9	0.0004	0.00065	0.00224	5.176	0.0005
10:51:56.351	-9	0.00035	0.0005	0.00183	4.024	0.000389
10:51:57.351	-9	0.00034	0.00054	0.00199	3.385	0.000328
10:51:58.351	-9	0.00029	0.0005	0.00169	2.51	0.000243
10:51:59.351	-9	0.00022	0.00049	0.00192	2.099	0.000203
10:52:00.351	-9	0.00018	0.00046	0.002	1.916	0.000186
10:52:01.351	-9	0.00017	0.00046	0.00139	1.752	0.00017
10:52:02.351	-9	0.00016	0.00048	0.00137	1.541	0.000149
10:52:03.351	-9	0.00017	0.00049	0.00215	1.472	0.000143
10:52:04.351	-9	0.00017	0.00054	0.00258	1.603	0.000156
10:52:05.351	-9	0.00018	0.00053	0.00271	2.019	0.000196
10:52:06.351	-9	0.00019	0.00062	0.00205	2.437	0.000236
10:52:07.351	-9	0.00021	0.00067	0.00297	2.852	0.000276
10:52:08.351	-9	0.00022	0.00069	0.00371	3.261	0.000316
10:52:09.351	-9	0.00021	0.00065	0.00303	3.389	0.000328
10:52:10.351	-9	0.00019	0.00053	0.00214	3.006	0.000291
10:52:11.351	-9	0.00018	0.0005	0.00179	2.913	0.000282
10:52:12.351	-9	0.00016	0.00039	0.00134	2.486	0.000241
10:52:13.351	-9	0.00016	0.00043	0.00131	2.443	0.000236
10:52:14.351	-9	0.00017	0.00043	0.00151	2.251	0.000218
10:52:15.351	-9	0.00016	0.00045	0.00162	2.025	0.000196
10:52:16.351	-9	0.00015	0.00045	0.00134	1.895	0.000184
10:52:17.351	-9	0.00014	0.00041	0.00143	1.656	0.000161
10:52:18.351	-9	0.00014	0.00044	0.00175	1.558	0.000151
10:52:19.351	-9	0.00014	0.00039	0.00193	1.407	0.000137
10:52:20.351	-9	0.00013	0.00039	0.00192	1.201	0.000117
10:52:21.351	-9	0.0001	0.00028	0.0014	0.939	0.000091
10:52:22.351	-9	0.00013	0.00038	0.00172	1.188	0.000115
10:52:23.351	-9	0.00014	0.00045	0.00151	1.075	0.000104
10:52:24.351	-9	0.00014	0.00042	0.00217	0.95	0.000092
10:52:25.351	-9	0.00013	0.00043	0.00247	1.189	0.000116
10:52:26.351	-9	0.00013	0.0004	0.00228	1.54	0.000149
10:52:27.351	-9	0.00009	0.00031	0.0013	1.189	0.000115
10:52:28.351	-9	0.00008	0.00026	0.00094	1.028	0.0001

11.2	3.80E+00	3.200	1.300	2.732	1.110	39.000
8.3	3.80E+00	3.200	1.300	2.727	1.108	42.000
8.2	3.80E+00	3.200	1.300	2.720	1.105	39.100
6.8	3.90E+00	3.200	1.400	2.709	1.184	42.000
6.7	3.90E+00	3.200	1.400	2.697	1.180	37.700
4.6	3.90E+00	3.200	1.400	2.685	1.175	37.400
4.6	3.80E+00	3.200	1.400	2.674	1.170	37.800
4.6	3.80E+00	3.200	1.400	2.649	1.159	35.900
5	3.70E+00	3.200	1.400	2.596	1.136	38.300
9.3	3.90E+00	3.500	1.400	2.809	1.122	35.400
9.5	5.40E+00	5.400	1.400	4.298	1.118	37.800
14.3	6.20E+00	6.400	1.400	5.093	1.115	38.000
14.5	6.50E+00	6.800	1.400	5.391	1.110	38.400
18.4	6.90E+00	7.300	1.400	5.758	1.105	36.900
18.5	7.40E+00	8.000	1.400	6.334	1.109	35.300
20.9	7.50E+00	8.000	1.400	6.401	1.120	39.900
20.9	7.10E+00	7.300	1.400	5.919	1.135	41.000
21.6	6.00E+00	5.900	1.400	4.819	1.142	43.200
21.6	5.20E+00	5.000	1.400	4.089	1.143	43.000
21.9	4.80E+00	4.500	1.400	3.691	1.147	44.500
21.9	4.60E+00	4.200	1.400	3.464	1.155	45.900
21.5	4.60E+00	4.100	1.400	3.401	1.161	42.400
21.5	4.40E+00	3.900	1.400	3.230	1.159	44.800
21.7	4.40E+00	3.900	1.400	3.205	1.151	41.500
21.7	4.20E+00	3.800	1.400	3.102	1.143	46.100
22.3	4.20E+00	3.800	1.400	3.091	1.139	45.700
22.3	4.20E+00	3.800	1.400	3.081	1.135	43.200
23.2	4.30E+00	3.900	1.400	3.143	1.129	43.100
23.3	4.60E+00	4.300	1.400	3.450	1.124	41.600
24.6	4.70E+00	4.500	1.400	3.600	1.121	42.300
24.6	4.90E+00	4.700	1.400	3.755	1.119	40.000
25.4	5.00E+00	4.800	1.400	3.842	1.121	42.900
25.4	5.00E+00	4.800	1.400	3.873	1.130	42.500
25.5	4.90E+00	4.600	1.400	3.734	1.136	45.100
25.5	4.70E+00	4.400	1.400	3.584	1.140	45.600
25.3	4.60E+00	4.200	1.400	3.436	1.145	43.300
25.3	4.40E+00	4.000	1.400	3.285	1.150	45.800
25.3	4.40E+00	3.900	1.400	3.216	1.154	42.000
25.2	4.40E+00	3.900	1.400	3.230	1.159	43.300
25.1	4.30E+00	3.800	1.400	3.141	1.157	42.100
25.1	4.20E+00	3.700	1.400	3.066	1.160	42.400
24.2	4.10E+00	3.500	1.400	2.926	1.171	42.600
24.2	4.10E+00	3.500	1.400	2.933	1.173	41.500
24.9	4.00E+00	3.400	1.400	2.828	1.165	43.500
24.9	4.00E+00	3.400	1.400	2.799	1.153	40.000
25.7	3.90E+00	3.400	1.400	2.788	1.148	43.500
25.6	3.90E+00	3.400	1.400	2.787	1.148	42.800

190.4	14.89845	804	7.45	23.1	242.754508	194.5
190.4	14.79574	809	6.83	30.3	245.289216	194.803896
190.4	15.10914	821	5.941	32.3	239.109708	196.457705
190.4	14.98492	827	5.159	32.5	244.0375	198.488203
190.4	14.01739	777	4.35	31.4	245.946292	199.570872
190.4	15.39602	787	3.822	33	258.496226	200.279828
190.4	20.23501	1140	4.487	51.2	257.150945	205.858093
190.4	38.96157	1621	6.913	79.7	257.340113	224.959122
190.4	48.76962	1923	9.368	79.4	262.524478	249.580315
190.4	38.99775	1670	11.858	73.5	269.255985	268.686587
190.4	37.52415	1779	13.846	69.6	272.612069	282.86
190.5	40.1429	1660	15.753	67.9	273.208365	293.381243
190.9	51.74783	1836	17.736	82.5	271.95283	315.553846
191.3	35.89954	1693	19.25	75.6	272.140772	324.228741
191.7	26.62831	1488	19.87	52.1	278.431969	320.641909
192.1	31.97464	1626	20.49	48	283.588714	303.847059
	23.82868	1581	20.49	48.7	280.572946	295.077394
	24.66327	1607	21.11	40.9	276.376827	284.923772
	22.47	1535	20.937	37.7	271.171605	273.011859
	21.56956	1534	20.49	33.9	266.5375	261.6392
	21.54824	1535	20.49	38.1	262.643878	252.143316
192.2	24.8584	1595	20.49	49.6	257.645698	247.6
192.2	26.4239	1638	21.07	52.6	261.035988	248.645708
192.2	27.30974	1658	21.11	51.6	263.028884	250.897052
192.2	26.4285	1645	21.11	49.8	265.700117	251.102404
192.2	30.39821	1720	21.73	65.2	264.913514	255.686197
192.2	33.71767	1792	22.36	67.1	264.375	264.592593
192.2	35.72338	1721	22.98	64.4	264.057471	272.979421
192.2	24.60959	1359	23.6	67.5	264.039796	279.502451
192.2	24.82271	1384	24.22	55.8	265.015722	282.426829
192.2	21.45175	1392	24.22	47.6	265.882988	280.656699
192.2	20.30708	1379	24.22	48.8	264.139235	274.117892
192.2	22.14816	1403	24.84	45.2	263.52	270.207341
192.2	20.94435	1397	24.686	38.8	262.389181	264.41
192.2	21.04953	1389	24.22	48.7	259.8	258.165025
192.2	19.92769	1385	24.22	24.9	258.500769	251.896552
192.2	19.92773	1369	24.22	41	255.466089	245.5576
192.2	20.13018	1361	24.22	35.4	254.88822	241.78186
192.2	19.63204	1375	24.22	27.3	256.118868	237.211534
192.2	11.76177	1345	23.6	1.9	256.101154	230.231069
192.2	24.86713	1335	23.6	14.3	257.302453	224.215778
192.2	22.6506	1352	23.6	33.9	255.334906	223.4
192.2	21.91918	1361	23.921	39.8	255.811471	226.094905
192.2	21.79455	1385	24.485	36.5	253.621178	229.166095
	21.73867	1418	25.195	25.3	255.607407	230.402609
	13.96724	1428	25.132	3.9	254.375141	224.430196
	11.66258	1350	23.912	0	253.678327	218.555294

0.62584	0.57496	5.82285	9393.185
0.62593	0.57526	5.82404	9393.426
0.62602	0.57553	5.82523	9393.731
0.62611	0.57582	5.82659	9394.126
0.6262	0.57608	5.82821	9394.633
0.6263	0.57637	5.82962	9395.31
0.62644	0.57677	5.83182	9396.397
0.62667	0.57743	5.83682	9398.859
0.62693	0.57824	5.84259	9403.131
0.62718	0.57892	5.84645	9407.753
0.62753	0.57966	5.84902	9412.745
0.62795	0.58044	5.85171	9418.132
0.62843	0.58129	5.85492	9424.294
0.62883	0.58194	5.85716	9429.47
0.62918	0.58244	5.85899	9433.494
0.62952	0.58298	5.86098	9436.879
0.62981	0.58348	5.86267	9439.389
0.63003	0.58397	5.86459	9441.488
0.63021	0.58443	5.86659	9443.404
0.63038	0.58489	5.86798	9445.156
0.63054	0.58537	5.86935	9446.697
0.63071	0.58586	5.8715	9448.169
0.63088	0.5864	5.87408	9449.772
0.63106	0.58693	5.87679	9451.791
0.63125	0.58755	5.87884	9454.228
0.63146	0.58822	5.88181	9457.08
0.63168	0.58891	5.88552	9460.341
0.63189	0.58956	5.88855	9463.73
0.63208	0.59009	5.89069	9466.736
0.63226	0.59059	5.89248	9469.649
0.63242	0.59098	5.89382	9472.135
0.63258	0.59141	5.89513	9474.578
0.63275	0.59184	5.89664	9476.829
0.63291	0.59229	5.89826	9478.854
0.63306	0.59274	5.8996	9480.749
0.6332	0.59315	5.90103	9482.405
0.63334	0.59359	5.90278	9483.963
0.63348	0.59398	5.90471	9485.37
0.63361	0.59437	5.90663	9486.571
0.63371	0.59465	5.90803	9487.51
0.63384	0.59503	5.90975	9488.698
0.63398	0.59548	5.91126	9489.773
0.63412	0.5959	5.91343	9490.723
0.63425	0.59633	5.9159	9491.912
0.63438	0.59673	5.91818	9493.452
0.63447	0.59704	5.91948	9494.641
0.63455	0.5973	5.92042	9495.669

10:52:29.351	-9	0.00007	0.00023	0.00083	0.858	0.000083
10:52:30.351	-9	0.00007	0.00022	0.00082	0.674	0.000065
10:52:31.351	-9	0.00007	0.00021	0.00069	0.523	0.000051
10:52:32.351	-9	0.00009	0.0003	0.00082	0.495	0.000048
10:52:33.351	-9	0.0001	0.00029	0.00093	0.317	0.000031
10:52:34.351	-9	0.00009	0.00029	0.00111	0.256	0.000025
10:52:35.351	-9	0.00009	0.00028	0.00121	0.288	0.000028
10:52:36.351	-9	0.00009	0.00027	0.00113	0.37	0.000036
10:52:37.351	-9	0.00009	0.00028	0.0014	0.481	0.000047
10:52:38.351	-9	0.00009	0.00025	0.0017	0.652	0.000063
10:52:39.351	-9	0.00009	0.00027	0.00174	0.821	0.00008
10:52:40.351	-9	0.00008	0.00026	0.00141	0.934	0.000091
10:52:41.351	-9	0.00008	0.00027	0.00118	0.985	0.000096
10:52:42.351	-9	0.00008	0.00027	0.00118	1.01	0.000098
10:52:43.351	-9	0.00009	0.00027	0.00119	1.022	0.000099
10:52:44.351	-9	0.00009	0.00028	0.0013	1.039	0.000101
10:52:45.351	-9	0.00009	0.00026	0.00144	1.052	0.000102
10:52:46.351	-9	0.00009	0.00028	0.00133	1.058	0.000103
10:52:47.351	-9	0.00009	0.00026	0.00133	1.055	0.000102
10:52:48.351	-9	0.00009	0.00027	0.00132	1.053	0.000102
10:52:49.351	-9	0.00009	0.00026	0.00133	1.056	0.000102
10:52:50.351	-9	0.00008	0.00027	0.00131	1.051	0.000102
10:52:51.351	-9	0.00008	0.00029	0.00131	1.051	0.000102
10:52:52.351	-9	0.00008	0.00027	0.00131	1.051	0.000102
10:52:53.351	-9	0.00008	0.00029	0.00132	1.056	0.000102
10:52:54.351	-9	0.00008	0.00027	0.00132	1.054	0.000102
10:52:55.351	-9	0.00009	0.00028	0.00132	1.057	0.000103
10:52:56.351	-9	0.00008	0.00028	0.00131	1.057	0.000103
10:52:57.351	-9	0.00008	0.00027	0.00131	1.062	0.000103
10:52:58.351	-9	0.00009	0.00028	0.00132	1.065	0.000103
10:52:59.351	-9	0.00009	0.00027	0.00132	1.067	0.000104
10:53:00.351	-9	0.00009	0.00029	0.00161	1.063	0.000103
10:53:01.351	-9	0.00009	0.00027	0.00163	1.062	0.000103
10:53:02.351	-9	0.00009	0.00028	0.00146	1.067	0.000104
10:53:03.351	-9	0.00009	0.00028	0.00131	1.069	0.000104
10:53:04.351	-9	0.00009	0.00027	0.00132	1.073	0.000104
10:53:05.351	-9	0.00009	0.00028	0.00132	1.073	0.000104
10:53:06.351	-9	0.00009	0.00029	0.00139	1.133	0.00011
10:53:07.351	-9	0.00009	0.00029	0.00134	1.105	0.000107
10:53:08.351	-9	0.00009	0.00027	0.00132	1.089	0.000106
10:53:09.351	-9	0.00009	0.00028	0.00129	1.129	0.000109
10:53:10.351	-9	0.00009	0.00027	0.00119	1.125	0.000109
10:53:11.351	-9	0.00009	0.00028	0.00119	1.125	0.000109
10:53:12.351	-9	0.00009	0.00029	0.00119	1.122	0.000109
10:53:13.351	-9	0.00008	0.00027	0.00112	1.119	0.000109
10:53:14.351	-9	0.00008	0.00028	0.00106	1.109	0.000108
10:53:15.351	-9	0.00008	0.00026	0.00105	1.098	0.000106

24.5	4.10E+00	3.500	1.500	2.876	1.233	44.100		10.53315	1215	21.35	0	253.647385	212.845714
24.3	4.10E+00	3.500	1.500	2.893	1.240	46.000		9.38758	1060	18.618	0.5	253.161154	208.188867
20	4.10E+00	3.400	1.500	2.837	1.252	43.200	190.4	9.56873	1089	15.261	7.9	251.476392	203.752953
19.7	4.10E+00	3.400	1.500	2.867	1.265	43.900	190.4	15.40042	891	12.186	19.4	250.23301	200.47001
13.6	4.10E+00	3.300	1.500	2.806	1.275	40.100	190.4	14.16889	835	8.789	17.1	248.714564	197.429118
13.3	4.10E+00	3.300	1.500	2.811	1.278	41.600	190.4	14.04369	793	6.343	30	243.485	195.706296
7	4.00E+00	3.200	1.500	2.722	1.276	41.300	190.4	14.67974	799	3.398	32.9	230.269615	197.823143
6.7	4.00E+00	3.200	1.500	2.713	1.272	39.900	190.4	14.91562	801	1.425	38.8	231.519519	201.02069
0	4.00E+00	3.200	1.600	2.699	1.349	40.900	190.4	14.45216	783	0.063	39.2	236.560714	204.920945
0	4.00E+00	3.200	1.600	2.678	1.339	37.700	190.4	14.28866	780	0	39.2	237.360489	207.598349
0	3.90E+00	3.100	1.600	2.576	1.329	40.400	190.4	14.23083	777	0	38.8	240.977632	209.527667
0	3.80E+00	3.000	1.600	2.481	1.323	38.400	190.4	14.41168	778	0	38.9	243.295969	211.346
0	3.80E+00	3.000	1.600	2.474	1.319	39.900	190.4	14.34452	778	0	39.2	247.086154	212.895344
0	3.80E+00	3.000	1.600	2.472	1.318	39.400	190.4	14.3383	779	0	39.5	250.437429	213.787908
0	3.80E+00	3.000	1.600	2.472	1.318	39.100	190.4	14.36658	775	0	39.6	245.592593	214.495116
0	3.80E+00	3.000	1.600	2.471	1.318	40.300	190.4	14.41553	777	0	39.2	241.883289	215.148721
0	3.90E+00	3.000	1.700	2.470	1.398	38.200	190.4	14.4225	779	0	39.5	237.196174	215.835183
0	3.90E+00	3.000	1.700	2.469	1.399	40.900	190.4	14.38197	780	0	39.3	234.125142	216.4
0	3.90E+00	3.000	1.700	2.469	1.399	37.900	190.4	14.15847	781	0	39.6	233.94664	216.4
0	3.90E+00	3.000	1.700	2.469	1.399	40.000	190.4	14.23716	776	0	39.6	236.644057	216.893133
0	3.80E+00	2.900	1.700	2.388	1.399	38.800	190.4	14.44067	780	0	38.9	236.874135	217.328858
0	3.80E+00	2.900	1.700	2.386	1.399	40.100	190.4	14.28904	779	0	38.5	239.369482	217
0	3.70E+00	2.900	1.600	2.386	1.317	42.200	190.4	14.3	779	0	39.2	239.861731	217
0	3.70E+00	2.900	1.600	2.386	1.317	40.600	190.4	14.3625	781	0	38.5	241.387468	217
0	3.70E+00	2.900	1.600	2.386	1.316	42.900	190.4	14.2795	778	0	39.5	245.626679	217
0	3.70E+00	2.900	1.600	2.386	1.316	40.200	190.4	14.24	781	0	39.3	246.205588	217
0	3.80E+00	3.000	1.600	2.468	1.316	41.100	190.4	14.30987	780	0	39.5	245.371805	217
0	3.80E+00	3.000	1.600	2.468	1.316	41.100	190.4	14.25042	781	0	39.1	245.087571	217
0	3.80E+00	3.000	1.600	2.467	1.316	40.200	190.4	14.253	778	0	38.9	246.026931	217.45842
0	3.80E+00	3.000	1.600	2.467	1.316	41.200	190.4	14.44585	778	0	38.9	248.813611	217.098052
0	3.80E+00	3.000	1.600	2.467	1.316	39.000	190.4	14.39108	782	0	38.6	248.739731	217
0	3.90E+00	3.100	1.600	2.548	1.316	42.100	190.4	14.12969	780	0	38.8	248.242278	217
0	3.90E+00	3.100	1.600	2.549	1.316	39.900	190.4	14.22	779	0	38.8	248.781853	216.487688
0	3.90E+00	3.100	1.600	2.549	1.315	41.700	190.4	14.22	777	0	39.4	245.081748	216.4
0	3.90E+00	3.100	1.600	2.549	1.315	41.000	190.4	14.20969	778	0	40.5	241.363683	217
0	3.90E+00	3.100	1.600	2.549	1.315	40.200	190.4	14.26143	783	0	40	239.833333	216.907968
0	3.90E+00	3.100	1.600	2.549	1.315	41.700	190.4	14.17758	776	0	39.6	239.695417	216.488409
0	3.90E+00	3.100	1.600	2.548	1.315	40.200	190.4	14.74054	851	0	41.4	240.486542	217.082672
0	3.90E+00	3.100	1.600	2.547	1.315	42.200	190.4	14.31737	791	0	40.4	237.360925	217.6
0	3.90E+00	3.100	1.600	2.547	1.315	39.000	190.4	14.10859	776	0	40.8	236.422041	217.6
0	3.90E+00	3.100	1.600	2.544	1.313	40.800	190.4	14.36599	780	0	40.3	236.734375	217.447752
0	3.80E+00	3.000	1.600	2.461	1.313	39.900	190.4	14.39829	779	0	39.7	236.507307	217.150595
0	3.80E+00	3.000	1.600	2.462	1.313	41.200	190.4	14.28463	778	0	39.6	236.559918	217.448454
0	3.80E+00	3.000	1.600	2.462	1.313	41.700	190.4	14.41254	777	0	39.6	233.150943	217
0	3.70E+00	3.000	1.500	2.463	1.233	38.900	190.4	14.29198	779	0	40.3	232.820313	217
0	3.70E+00	3.000	1.500	2.463	1.232	41.100	190.4	14.40268	781	0	39.4	232.845218	217
0	3.70E+00	3.000	1.500	2.464	1.232	38.600	190.4	14.28748	779	0	39.5	232.909213	216.787213

0.63462	0.59753	5.92125	9496.527
0.63469	0.59775	5.92207	9497.201
0.63476	0.59796	5.92276	9497.724
0.63485	0.59826	5.92358	9498.219
0.63495	0.59855	5.92451	9498.536
0.63504	0.59884	5.92562	9498.792
0.63513	0.59912	5.92683	9499.08
0.63522	0.59939	5.92796	9499.45
0.63531	0.59967	5.92936	9499.931
0.6354	0.59992	5.93106	9500.583
0.63549	0.60019	5.9328	9501.404
0.63557	0.60045	5.93421	9502.338
0.63565	0.60072	5.93539	9503.323
0.63573	0.60099	5.93657	9504.333
0.63582	0.60126	5.93776	9505.355
0.63591	0.60154	5.93906	9506.394
0.636	0.6018	5.9405	9507.446
0.63609	0.60208	5.94183	9508.504
0.63618	0.60234	5.94316	9509.559
0.63627	0.60261	5.94448	9510.612
0.63636	0.60287	5.94581	9511.668
0.63644	0.60314	5.94712	9512.719
0.63652	0.60343	5.94843	9513.77
0.6366	0.6037	5.94974	9514.821
0.63668	0.60399	5.95106	9515.877
0.63676	0.60426	5.95238	9516.931
0.63685	0.60454	5.9537	9517.988
0.63693	0.60482	5.95501	9519.045
0.63701	0.60509	5.95632	9520.107
0.6371	0.60537	5.95764	9521.172
0.63719	0.60564	5.95896	9522.239
0.63728	0.60593	5.96057	9523.302
0.63737	0.6062	5.9622	9524.364
0.63746	0.60648	5.96366	9525.431
0.63755	0.60676	5.96497	9526.5
0.63764	0.60703	5.96629	9527.573
0.63773	0.60731	5.96761	9528.646
0.63782	0.6076	5.969	9529.779
0.63791	0.60789	5.97034	9530.884
0.638	0.60816	5.97166	9531.973
0.63809	0.60844	5.97295	9533.102
0.63818	0.60871	5.97414	9534.227
0.63827	0.60899	5.97533	9535.352
0.63836	0.60928	5.97652	9536.474
0.63844	0.60955	5.97764	9537.593
0.63852	0.60983	5.9787	9538.702
0.6386	0.61009	5.97975	9539.8

10:53:16.351	-9	0.00008	0.00027	0.00105	1.097	0.000106
10:53:17.351	-9	0.00008	0.00026	0.00105	1.094	0.000106
10:53:18.351	-9	0.00008	0.00026	0.00113	1.083	0.000105
10:53:19.351	-9	0.00008	0.00027	0.00126	1.097	0.000106
10:53:20.351	-9	0.00008	0.00026	0.00132	1.098	0.000106
10:53:21.351	-9	0.00009	0.00031	0.00146	1.218	0.000118
10:53:22.351	-9	0.0001	0.00032	0.00164	1.37	0.000133
10:53:23.351	-9	0.00015	0.00049	0.00235	2.19	0.000212
10:53:24.351	-9	0.00019	0.0006	0.00411	3.441	0.000333
10:53:25.351	-9	0.0002	0.00062	0.00335	4.121	0.000399
10:53:26.351	-9	0.00025	0.00071	0.00285	4.475	0.000433
10:53:27.351	-9	0.00035	0.00083	0.00369	6.064	0.000587
10:53:28.351	-9	0.00037	0.00078	0.00304	5.74	0.000555
10:53:29.351	-9	0.00035	0.00067	0.00243	5.175	0.0005
10:53:30.351	-9	0.00033	0.00066	0.00222	4.802	0.000464
10:53:31.351	-9	0.00026	0.00051	0.00175	3.816	0.000369
10:53:32.351	-9	0.00013	0.00025	0.00088	1.934	0.000187
10:53:33.351	-9	0.00008	0.0002	0.00068	1.513	0.000146
10:53:34.351	-9	0.00009	0.0002	0.00079	1.653	0.00016
10:53:35.351	-9	0.0001	0.00029	0.001	1.697	0.000164
10:53:36.351	-9	0.00009	0.00028	0.00046	1.172	0.000114
10:53:37.351	-9	0.00009	0.00027	0.00058	0.779	0.000076
10:53:38.351	-9	0.00008	0.00025	0.00098	0.633	0.000062
10:53:39.351	-9	0.00008	0.00023	0.00126	0.608	0.000059
10:53:40.351	-9	0.00008	0.00023	0.00132	0.67	0.000065
10:53:41.351	-9	0.00008	0.00023	0.0013	0.791	0.000077
10:53:42.351	-9	0.00008	0.00025	0.00158	0.927	0.00009
10:53:43.351	-9	0.00007	0.00024	0.00147	1.031	0.0001
10:53:44.351	-9	0.00008	0.00026	0.00125	1.084	0.000105
10:53:45.351	-9	0.00008	0.00026	0.00118	1.091	0.000106
10:53:46.351	-9	0.00008	0.00026	0.00119	1.104	0.000107
10:53:47.351	-9	0.00007	0.00027	0.00119	1.105	0.000107
10:53:48.351	-9	0.00008	0.00025	0.00121	1.115	0.000108
10:53:49.351	-9	0.00008	0.00027	0.0012	1.114	0.000108
10:53:50.351	-9	0.00007	0.00025	0.0012	1.105	0.000107
10:53:51.351	-9	0.00008	0.00026	0.0012	1.104	0.000107
10:53:52.351	-9	0.00008	0.00026	0.00119	1.102	0.000107
10:53:53.351	-9	0.00009	0.0003	0.00137	1.274	0.000124
10:53:54.351	-9	0.0001	0.00034	0.00149	1.394	0.000135
10:53:55.351	-9	0.0001	0.00034	0.0018	1.559	0.000151
10:53:56.351	-9	0.00015	0.00054	0.0031	2.628	0.000255
10:53:57.351	-9	0.00016	0.00053	0.00318	3.388	0.000328
10:53:58.351	-9	0.00017	0.0006	0.00204	3.79	0.000367
10:53:59.351	-9	0.0002	0.00065	0.00279	4.367	0.000423
10:54:00.351	-9	0.00032	0.00082	0.00344	6.087	0.000589
10:54:01.351	-9	0.00035	0.00083	0.00309	6.459	0.000624
10:54:02.351	-9	0.00044	0.00083	0.00312	6.953	0.000672

0	3.70E+00	3.000	1.500	2.464	1.232	39.900
0	3.70E+00	3.000	1.500	2.464	1.232	39.000
0	3.70E+00	3.000	1.500	2.464	1.232	38.000
0	3.70E+00	3.000	1.500	2.464	1.232	39.500
0	3.70E+00	3.000	1.500	2.464	1.232	37.900
0	3.70E+00	3.000	1.500	2.464	1.232	40.800
0	3.70E+00	3.000	1.500	2.464	1.232	38.000
0	3.70E+00	3.000	1.500	2.451	1.225	39.900
0.3	3.60E+00	3.000	1.500	2.422	1.211	38.500
8.1	3.80E+00	3.200	1.500	2.556	1.198	38.200
8.1	4.20E+00	3.800	1.500	3.038	1.200	39.600
8.2	4.70E+00	4.500	1.400	3.572	1.113	36.900
12.1	5.50E+00	5.500	1.400	4.358	1.110	38.300
15.5	5.80E+00	5.900	1.400	4.671	1.109	36.500
15.6	5.90E+00	6.000	1.400	4.751	1.109	38.700
18.4	5.90E+00	6.000	1.400	4.749	1.108	37.800
18.5	5.70E+00	5.800	1.400	4.586	1.107	37.900
19.7	4.80E+00	4.700	1.400	3.721	1.107	38.700
19.6	4.30E+00	4.000	1.400	3.177	1.111	34.000
16.3	4.10E+00	3.700	1.400	2.981	1.128	38.800
16	3.90E+00	3.400	1.400	2.793	1.149	39.400
9.3	3.80E+00	3.200	1.300	2.667	1.084	39.400
9.1	3.60E+00	3.000	1.300	2.515	1.089	36.900
3.8	3.50E+00	2.900	1.300	2.434	1.091	33.900
3.8	3.50E+00	2.900	1.300	2.425	1.087	35.000
3.7	3.40E+00	2.800	1.300	2.328	1.081	33.900
0	3.40E+00	2.800	1.300	2.314	1.075	37.800
0	3.40E+00	2.800	1.300	2.304	1.070	36.200
0	3.40E+00	2.800	1.300	2.300	1.068	38.100
0	3.40E+00	2.800	1.300	2.300	1.068	38.100
0	3.40E+00	2.800	1.300	2.300	1.068	37.400
0	3.30E+00	2.700	1.300	2.218	1.068	39.200
0	3.30E+00	2.700	1.300	2.218	1.068	36.400
0	3.30E+00	2.700	1.300	2.218	1.068	38.700
0	3.30E+00	2.700	1.300	2.218	1.068	37.000
0	3.40E+00	2.700	1.400	2.218	1.149	38.100
0	3.40E+00	2.700	1.400	2.218	1.150	37.900
0	3.40E+00	2.700	1.400	2.217	1.150	38.400
0.1	3.40E+00	2.700	1.400	2.216	1.149	39.800
1.7	3.40E+00	2.700	1.400	2.211	1.147	37.500
1.8	3.30E+00	2.700	1.400	2.197	1.139	39.400
6.1	3.30E+00	2.700	1.400	2.168	1.124	36.900
6.2	3.40E+00	2.900	1.400	2.317	1.119	39.600
9	3.70E+00	3.200	1.400	2.550	1.116	38.700
9.1	4.30E+00	4.000	1.400	3.171	1.111	37.100
11.3	4.70E+00	4.600	1.400	3.632	1.106	37.200
11.4	5.50E+00	5.600	1.400	4.417	1.106	34.500

190.4	14.29731	779	0	39.9	232.130271	216.4
190.4	14.31289	779	0	39.7	238.45	216.027594
190.4	14.31039	776	0	40.3	240.811488	216.137785
190.4	14.31457	783	0	39.9	240.833013	215.941958
190.4	14.35447	781	0	39.7	240.68526	215.7
190.4	14.36745	806	0.157	41	243.467454	215.7
190.4	18.3454	990	2.474	52.4	246.787075	219.06587
190.4	25.74989	1337	4.704	71	244.375	226.405339
190.4	35.83208	1710	7.437	58.7	246.226992	244.457749
190.4	33.60906	1512	9.456	61.3	247.468041	252.406897
190.4	38.55163	1653	11.323	73.6	252.159894	264.136111
190.4	47.56576	1819	13.488	80.3	257.417435	282.015686
190.7	46.14369	1762	15.114	79.1	264.96875	299.845697
191.1	37.74392	1668	16.336	79.2	267.2625	308.202577
191.4	36.02227	1652	17.591	80.8	268.59341	313.504787
191.8	28.97787	1570	18.63	71.3	277.718269	315.171047
192.2	11.45019	1260	18.63	21.7	275.494434	305.876324
192.2	9.38429	996	17.133	10.8	261.650472	289.401087
192.2	9.55538	915	14.802	13.5	256.93125	276.7405
192.2	15.44708	818	11.582	19.9	251.097954	265.047126
192.2	14.74958	820	7.923	18.7	242.933911	253.830612
	14.52148	790	5.443	32.6	240.883815	246.510589
	14.23251	770	3.061	31.8	239.085028	242.447348
	14.92072	805	1.813	40.5	238.095238	240.104262
	14.42848	781	0.56	38.8	237.51756	239.020606
	14.28946	778	0	38.9	236.734837	237.974026
192.2	14.23085	780	0	39.2	236.11	236.611
192.2	14.22594	776	0	39.2	235.323121	235.718619
192.2	14.26523	782	0	39.2	235.003791	235.076471
192.2	14.24487	778	0	39.2	234.365	234.440146
192.2	14.22405	780	0	39.2	233.615414	233.179111
192.2	14.20394	779	0	39.2	233.540633	233
192.2	14.25975	777	0	41.1	232.762162	231.66722
192.2	14.36	788	0	40.9	232.19752	231.1
192.2	14.33625	783	0	39.2	232.18875	231.078422
192.2	14.64461	793	0	39.4	231.408768	230.475524
	14.21262	781	0	39.6	230.987002	229.776224
	15.65608	903	0.562	41.6	230.779245	229.185629
	18.14068	1039	1.794	46.2	230.684242	231.817918
	18.35232	1103	3.67	57.2	231.203229	235.662874
	26.95747	1446	5.458	69.5	231.0375	241.108374
192.2	32.426	1616	7.37	59.3	232.981557	257.83268
192.2	29.41409	1408	8.711	62	235.953807	260.958523
192.2	34.87293	1538	9.464	76.1	244.484833	273.443389
192.2	50.26225	1738	10.94	78.1	253.185714	291.322222
192.2	44.31795	1750	11.8	78.8	250.018234	308.759718
192.2	48.70296	1867	13.141	83.9	245.240655	322.941824

0.63868	0.61036	5.9808	9540.897
0.63876	0.61062	5.98185	9541.991
0.63884	0.61088	5.98298	9543.074
0.63892	0.61115	5.98424	9544.171
0.639	0.61141	5.98556	9545.269
0.63909	0.61172	5.98702	9546.487
0.63919	0.61204	5.98866	9547.857
0.63934	0.61253	5.99101	9550.047
0.63953	0.61313	5.99512	9553.488
0.63973	0.61375	5.99847	9557.609
0.63998	0.61446	6.00132	9562.084
0.64033	0.61529	6.00501	9568.148
0.6407	0.61607	6.00805	9573.888
0.64105	0.61674	6.01048	9579.063
0.64138	0.6174	6.0127	9583.865
0.64164	0.61791	6.01445	9587.681
0.64177	0.61816	6.01533	9589.615
0.64185	0.61836	6.01601	9591.128
0.64194	0.61856	6.0168	9592.781
0.64204	0.61885	6.0178	9594.478
0.64213	0.61913	6.01826	9595.65
0.64222	0.6194	6.01884	9596.429
0.6423	0.61965	6.01982	9597.062
0.64238	0.61988	6.02108	9597.67
0.64246	0.62011	6.0224	9598.34
0.64254	0.62034	6.0237	9599.131
0.64262	0.62059	6.02528	9600.058
0.64269	0.62083	6.02675	9601.089
0.64277	0.62109	6.028	9602.173
0.64285	0.62135	6.02918	9603.264
0.64293	0.62161	6.03037	9604.368
0.643	0.62188	6.03156	9605.473
0.64308	0.62213	6.03277	9606.588
0.64316	0.6224	6.03397	9607.702
0.64323	0.62265	6.03517	9608.807
0.64331	0.62291	6.03637	9609.911
0.64339	0.62317	6.03756	9611.013
0.64348	0.62347	6.03893	9612.287
0.64358	0.62381	6.04042	9613.681
0.64368	0.62415	6.04222	9615.24
0.64383	0.62469	6.04532	9617.868
0.64399	0.62522	6.0485	9621.256
0.64416	0.62582	6.05054	9625.046
0.64436	0.62647	6.05333	9629.413
0.64468	0.62729	6.05677	9635.5
0.64503	0.62812	6.05986	9641.959
0.64547	0.62895	6.06298	9648.912

10:54:03.351	-9	0.00042	0.00086	0.00293	6.566	0.000635
10:54:04.351	-9	0.00039	0.00073	0.00271	5.951	0.000575
10:54:05.351	-9	0.00032	0.00062	0.0025	4.948	0.000478
10:54:06.351	-9	0.00018	0.00035	0.00144	2.83	0.000274
10:54:07.351	-9	0.00012	0.00024	0.00101	1.947	0.000188
10:54:08.351	-9	0.0001	0.00025	0.00097	1.8	0.000174
10:54:09.351	-9	0.0001	0.00025	0.00087	1.592	0.000154
10:54:10.351	-9	0.00009	0.00027	0.00053	1.259	0.000122
10:54:11.351	-9	0.00009	0.00026	0.00089	0.985	0.000096
10:54:12.351	-9	0.00009	0.00027	0.00139	0.781	0.000076
10:54:13.351	-9	0.00008	0.00025	0.0011	0.636	0.000062
10:54:14.351	-9	0.00008	0.00024	0.00107	0.642	0.000062
10:54:15.351	-9	0.00008	0.00026	0.00142	0.73	0.000071
10:54:16.351	-9	0.00008	0.00024	0.0012	0.787	0.000076
10:54:17.351	-9	0.00008	0.00026	0.00129	0.888	0.000086
10:54:18.351	-9	0.00008	0.00026	0.00125	1.032	0.0001
10:54:19.351	-9	0.0001	0.00034	0.00136	1.418	0.000137
10:54:20.351	-9	0.00011	0.00036	0.00128	1.545	0.00015
10:54:21.351	-9	0.00017	0.00057	0.0025	2.738	0.000265
10:54:22.351	-9	0.00025	0.00087	0.00641	5.518	0.000535
10:54:23.351	-9	0.00028	0.00089	0.00543	6.846	0.000662
10:54:24.351	-9	0.00026	0.00074	0.00276	5.374	0.00052
10:54:25.351	-9	0.00025	0.00062	0.00236	4.583	0.000443
10:54:26.351	-9	0.00023	0.00059	0.0023	4.28	0.000414
10:54:27.351	-9	0.00021	0.00052	0.00195	3.776	0.000365
10:54:28.351	-9	0.00016	0.00042	0.00177	2.961	0.000286
10:54:29.351	-9	0.00013	0.00038	0.00161	2.364	0.000229
10:54:30.351	-9	0.00012	0.00031	0.00158	2.077	0.000201
10:54:31.351	-9	0.0001	0.0003	0.00144	1.809	0.000175
10:54:32.351	-9	0.00009	0.00028	0.00138	1.689	0.000164
10:54:33.351	-9	0.00009	0.00029	0.00127	1.575	0.000153
10:54:34.351	-9	0.00008	0.00027	0.00081	1.296	0.000126
10:54:35.351	-9	0.00008	0.00027	0.001	1.184	0.000115
10:54:36.351	-9	0.00008	0.00029	0.00113	1.213	0.000118
10:54:37.351	-9	0.00007	0.00027	0.00112	1.219	0.000118
10:54:38.351	-9	0.00008	0.00032	0.00101	1.162	0.000113
10:54:39.351	-9	0.00009	0.00031	0.00094	0.915	0.000089
10:54:40.351	-9	0.00009	0.00031	0.00143	0.773	0.000075
10:54:41.351	-9	0.00009	0.0003	0.00168	0.924	0.00009
10:54:42.351	-9	0.00009	0.00031	0.00195	1.237	0.00012
10:54:43.351	-9	0.00009	0.00033	0.002	1.566	0.000152
10:54:44.351	-9	0.00009	0.00034	0.00182	1.823	0.000177
10:54:45.351	-9	0.00009	0.00038	0.00167	1.95	0.000189
10:54:46.351	-9	0.00009	0.00035	0.002	1.964	0.00019
10:54:47.351	-9	0.00009	0.00034	0.0015	1.865	0.000181
10:54:48.351	-9	0.00009	0.00036	0.00162	1.841	0.000178
10:54:49.351	-9	0.0001	0.00036	0.00155	1.81	0.000175

13.9	5.70E+00	5.800	1.400	4.578	1.105	38.400
14	5.70E+00	5.800	1.400	4.582	1.106	35.400
15.5	5.70E+00	5.800	1.400	4.579	1.105	36.600
15.5	5.60E+00	5.700	1.400	4.499	1.105	36.400
16.1	5.30E+00	5.300	1.400	4.192	1.107	35.200
16	4.80E+00	4.700	1.400	3.730	1.110	38.400
13.5	4.50E+00	4.200	1.400	3.365	1.121	37.900
13.5	4.00E+00	3.600	1.300	2.930	1.058	40.700
13.3	3.80E+00	3.300	1.300	2.727	1.073	37.300
9.5	3.80E+00	3.200	1.300	2.668	1.084	38.200
6.7	3.70E+00	3.100	1.300	2.596	1.089	36.700
6.5	3.60E+00	3.000	1.300	2.512	1.088	35.900
3.2	3.60E+00	3.000	1.300	2.503	1.085	38.100
3.1	3.50E+00	2.900	1.300	2.412	1.081	35.000
0	3.40E+00	2.900	1.200	2.401	0.995	38.500
0	3.40E+00	2.900	1.200	2.390	0.989	37.000
0	3.40E+00	2.900	1.200	2.383	0.986	38.600
0	3.40E+00	2.900	1.300	2.380	1.067	38.000
1.3	3.30E+00	2.800	1.300	2.285	1.061	37.700
1.3	3.30E+00	2.800	1.300	2.245	1.043	37.900
1.5	3.30E+00	2.900	1.300	2.305	1.034	34.900
6.3	4.00E+00	3.600	1.400	2.859	1.112	37.100
10.9	4.20E+00	3.900	1.400	3.109	1.116	35.000
11	4.30E+00	4.000	1.400	3.184	1.114	36.500
13.7	4.40E+00	4.100	1.400	3.265	1.115	36.300
13.7	4.20E+00	3.900	1.400	3.118	1.119	36.100
13.7	4.20E+00	3.800	1.400	3.042	1.121	39.300
14.7	4.10E+00	3.700	1.400	2.967	1.123	36.500
15	4.00E+00	3.600	1.400	2.890	1.124	39.700
15	3.90E+00	3.400	1.400	2.735	1.126	38.900
14	3.60E+00	3.100	1.400	2.507	1.132	40.200
14	3.60E+00	3.000	1.400	2.445	1.141	39.800
14	3.50E+00	2.900	1.400	2.370	1.144	39.800
13	3.40E+00	2.800	1.400	2.288	1.144	42.700
10.8	3.30E+00	2.600	1.400	2.125	1.144	39.500
10.7	3.30E+00	2.600	1.400	2.140	1.153	42.000
8.5	3.30E+00	2.600	1.400	2.166	1.166	38.800
8.5	3.30E+00	2.600	1.400	2.176	1.172	38.400
7.8	3.20E+00	2.600	1.300	2.164	1.082	38.200
7.8	3.20E+00	2.600	1.300	2.140	1.070	38.500
7.4	3.20E+00	2.600	1.300	2.119	1.059	39.700
7.4	3.20E+00	2.500	1.400	2.026	1.134	39.000
7.9	3.20E+00	2.500	1.400	2.020	1.131	41.900
8	3.10E+00	2.500	1.400	2.017	1.130	39.600
9.3	3.10E+00	2.500	1.400	2.018	1.130	40.400
9.3	3.20E+00	2.500	1.400	2.023	1.133	41.400
9.4	3.20E+00	2.500	1.400	2.030	1.137	39.800

192.2	46.82445	1816	14.28	81.6	242.145018	332.14474
192.2	43.89369	1725	14.9	81.7	241.254582	339.808163
192.2	32.01613	1607	15.53	83	242.988728	342.932867
192.2	23.4255	1317	15.322	72	242.604624	338.321978
192.2	12.99377	1018	14.075	24	242.438004	322.990909
192.2	12.92459	872	12.215	15.6	239.673269	306.990609
192.2	13.48504	895	10.237	12.4	230.178438	291.590175
192.2	13.43968	843	8.847	17.1	235.849231	278.604886
	14.50641	806	6.93	26.6	236.506667	269.135503
	15.07635	815	5.645	31.2	234.401778	261.61998
	14.33609	824	4.409	30.6	233.523061	256.330858
	13.83541	764	2.481	36.4	233.541383	251.554927
	14.47461	795	1.267	40.5	233.025051	250.927634
	14.15178	778	0.62	39.6	232.502577	249.541942
	14.27	779	0	39.4	231.966255	248.279179
	14.40228	778	0	39	231.566388	246.989375
	16.73605	970	0	36.5	232.721086	246.506176
	18.5094	1039	1.188	53.3	232.825521	248.572059
194	31.09631	1383	2.952	78.7	233.895	256.1825
194	50.87938	1723	6.046	82.5	237.320459	278.711812
194	53.83042	1999	8.608	70.3	241.644654	302.70166
194	43.25143	1680	10.532	70	247.119898	313.611742
194	34.64248	1667	12.361	70.8	246.888	319.315085
193.8	28.79287	1662	13.04	62.5	247.922233	322.757199
193.4	32.16102	1603	13.66	60.4	246.565102	321.305761
193.1	24.14369	1328	14.28	56.8	253.299792	315.794688
192.7	20.80894	1241	14.28	53.3	254.202834	310.421978
192.3	18.68244	1206	14.28	43	252.106276	303.443974
192.5	16.4745	1092	13.66	36.6	255.33368	293.557269
192.9	14.62772	1050	13.04	41.1	259.876154	284.152174
193.3	15.56524	1048	13.04	43.9	251.226923	276.995331
193.7	14.5777	1001	12.42	44.1	244.96659	271.74679
	13.55171	857	11.608	24.5	239.584261	266.094629
	14.27	872	9.772	12.8	240.100755	258.217864
	13.86283	843	8.539	16	239.143607	249.973043
	14.99082	844	7.918	24.6	238.533696	243.523636
	16.72179	993	7.45	42.9	237.026236	241.473887
194	17.13767	1037	7.45	51.1	236.672093	243.322222
194	17.09861	1051	7.45	48.2	236.941618	246.26501
194	17.20998	1063	7.45	48.6	238.829221	248.454545
194	17.7124	1091	7.639	50.5	239.063434	250.465306
194	18.72019	1144	8.07	52.3	239.435849	253.387647
194	19.22636	1148	8.69	49.2	239.125057	255.470652
194	18.86396	1144	8.69	44.7	239.622401	256.352522
194	16.64268	1058	8.69	44.8	239.793892	253.686415
194	18.21647	1167	8.69	55.6	239.663137	251.857374
194	18.74886	1183	9.31	49.8	239.086354	252.846137

0.64589	0.62981	6.06591	9655.478
0.64628	0.63054	6.06862	9661.429
0.6466	0.63116	6.07112	9666.377
0.64678	0.63151	6.07256	9669.207
0.6469	0.63175	6.07357	9671.154
0.647	0.632	6.07454	9672.954
0.6471	0.63225	6.07541	9674.546
0.64719	0.63252	6.07594	9675.805
0.64728	0.63278	6.07683	9676.79
0.64737	0.63305	6.07822	9677.571
0.64745	0.6333	6.07932	9678.207
0.64753	0.63354	6.08039	9678.849
0.64761	0.6338	6.08181	9679.579
0.64769	0.63404	6.08301	9680.366
0.64777	0.6343	6.0843	9681.254
0.64785	0.63456	6.08555	9682.286
0.64795	0.6349	6.08691	9683.704
0.64806	0.63526	6.08819	9685.249
0.64823	0.63583	6.09069	9687.987
0.64848	0.6367	6.0971	9693.505
0.64876	0.63759	6.10253	9700.351
0.64902	0.63833	6.10529	9705.725
0.64927	0.63895	6.10765	9710.308
0.6495	0.63954	6.10995	9714.588
0.64971	0.64006	6.1119	9718.364
0.64987	0.64048	6.11367	9721.325
0.65	0.64086	6.11528	9723.689
0.65012	0.64117	6.11686	9725.766
0.65022	0.64147	6.1183	9727.575
0.65031	0.64175	6.11968	9729.264
0.6504	0.64204	6.12095	9730.839
0.65048	0.64231	6.12176	9732.135
0.65056	0.64258	6.12276	9733.319
0.65064	0.64287	6.12389	9734.532
0.65071	0.64314	6.12501	9735.751
0.65079	0.64346	6.12602	9736.913
0.65088	0.64377	6.12696	9737.828
0.65097	0.64408	6.12839	9738.601
0.65106	0.64438	6.13007	9739.525
0.65115	0.64469	6.13202	9740.762
0.65124	0.64502	6.13402	9742.328
0.65133	0.64536	6.13584	9744.151
0.65142	0.64574	6.13751	9746.101
0.65151	0.64609	6.13951	9748.065
0.6516	0.64643	6.14101	9749.93
0.65169	0.64679	6.14263	9751.771
0.65179	0.64715	6.14418	9753.581

10:54:50.351	-9	0.0001	0.00039	0.0015	1.805	0.000175
10:54:51.351	-9	0.0001	0.00036	0.00153	1.884	0.000183
10:54:52.351	-9	0.00009	0.00037	0.00133	1.811	0.000175
10:54:53.351	-9	0.00008	0.00033	0.00122	1.622	0.000157
10:54:54.351	-9	0.00008	0.00031	0.00125	1.407	0.000136
10:54:55.351	-9	0.00007	0.00028	0.00128	1.184	0.000115
10:54:56.351	-9	0.00007	0.00025	0.00135	1.066	0.000103
10:54:57.351	-9	0.00007	0.00025	0.00141	0.997	0.000097
10:54:58.351	-9	0.00007	0.00025	0.00143	0.975	0.000095
10:54:59.351	-9	0.00007	0.00027	0.00149	1.003	0.000097
10:55:00.351	-9	0.00007	0.00025	0.00153	1.032	0.0001
10:55:01.351	-9	0.00007	0.00025	0.0015	0.985	0.000096
10:55:02.351	-9	0.00007	0.00024	0.00131	0.87	0.000084
10:55:03.351	-9	0.00007	0.00024	0.00109	0.811	0.000079
10:55:04.351	-9	0.00007	0.00026	0.00123	0.828	0.00008
10:55:05.351	-9	0.00007	0.00025	0.00131	0.823	0.00008
10:55:06.351	-9	0.00007	0.00026	0.00131	0.875	0.000085
10:55:07.351	-9	0.00007	0.00025	0.00124	0.971	0.000094
10:55:08.351	-9	0.00007	0.00027	0.00123	1.053	0.000102
10:55:09.351	-9	0.00007	0.00027	0.00132	1.08	0.000105
10:55:10.351	-9	0.00007	0.00026	0.00133	1.096	0.000106
10:55:11.351	-9	0.00007	0.00028	0.00132	1.095	0.000106
10:55:12.351	-9	0.00007	0.00025	0.00133	1.098	0.000107
10:55:13.351	-9	0.00008	0.00031	0.00149	1.235	0.00012
10:55:14.351	-9	0.00008	0.00031	0.00156	1.295	0.000126
10:55:15.351	-9	0.00011	0.00042	0.00207	1.737	0.000168
10:55:16.351	-9	0.00016	0.00062	0.00339	3.206	0.000311
10:55:17.351	-9	0.00019	0.0007	0.00445	4.445	0.00043
10:55:18.351	-9	0.0002	0.00066	0.00288	4.129	0.0004
10:55:19.351	-9	0.00022	0.00059	0.00262	3.72	0.00036
10:55:20.351	-9	0.00024	0.00066	0.00301	3.879	0.000376
10:55:21.351	-9	0.00024	0.00066	0.00317	4.259	0.000412
10:55:22.351	-9	0.00017	0.00047	0.0024	3.053	0.000296
10:55:23.351	-9	0.00015	0.00042	0.00175	2.624	0.000254
10:55:24.351	-9	0.00014	0.00039	0.00151	2.406	0.000233
10:55:25.351	-9	0.00017	0.0005	0.00199	2.739	0.000265
10:55:26.351	-9	0.0002	0.00059	0.0026	3.472	0.000336
10:55:27.351	-9	0.0002	0.00065	0.00255	3.923	0.00038
10:55:28.351	-9	0.00018	0.00058	0.00199	3.718	0.00036
10:55:29.351	-9	0.00017	0.00055	0.00184	3.376	0.000327
10:55:30.351	-9	0.00015	0.0005	0.00179	2.896	0.00028
10:55:31.351	-9	0.00015	0.00047	0.00147	2.619	0.000253
10:55:32.351	-9	0.00015	0.00052	0.00147	2.466	0.000239
10:55:33.351	-9	0.00015	0.00049	0.00187	2.476	0.00024
10:55:34.351	-9	0.00015	0.00052	0.00181	2.472	0.000239
10:55:35.351	-9	0.00015	0.00051	0.00167	2.456	0.000238
10:55:36.351	-9	0.00015	0.00052	0.00198	2.401	0.000233

9.4	3.20E+00	2.500	1.400	2.034	1.139	42.200		19.73788	1201	9.31	50.5	239.42566	253
10.2	3.20E+00	2.500	1.400	2.026	1.135	39.700		20.15714	1214	9.632	44.9	239.939924	253.505078
10.2	3.20E+00	2.500	1.400	2.025	1.134	42.400		17.37351	1165	9.31	32	240.643939	249.241413
10.1	3.20E+00	2.500	1.400	2.028	1.136	40.900		15.89893	1106	9.31	34.5	240.778316	246.169407
10.1	3.20E+00	2.500	1.400	2.037	1.141	41.500		15.36316	1079	9.001	34.2	241.450738	242.014706
9.6	3.20E+00	2.500	1.400	2.048	1.147	40.100	194	14.14943	1017	8.69	32.1	240.552599	237.908733
9.6	3.20E+00	2.500	1.400	2.055	1.151	37.300	194	13.83439	991	8.07	34.4	241.219231	234.651683
9.1	3.20E+00	2.500	1.400	2.060	1.153	37.700	194	14.18184	987	8.07	32.5	240.377647	232.466015
9.1	3.10E+00	2.400	1.400	1.980	1.155	37.000	194	14.17941	896	7.45	26.5	238.710969	230.773341
8.4	3.10E+00	2.400	1.300	1.981	1.073	39.100	194	14.94112	841	7.356	25.2	237.348367	226.892955
8.4	3.10E+00	2.400	1.300	1.981	1.073	34.800	194	15.02196	802	6.83	29.5	236.991023	224.523945
7.4	3.10E+00	2.400	1.300	1.983	1.074	35.200	194	14.24612	826	6.164	33.1	236.779615	223.231848
7.3	3.10E+00	2.400	1.300	1.990	1.078	35.600	194	14.49169	818	4.2	31.9	235.320625	221.856575
5.2	3.10E+00	2.400	1.300	1.995	1.081	35.600	194	13.76073	758	2.944	35.7	234.532353	221.159267
5.1	3.10E+00	2.400	1.300	1.996	1.081	38.000	194	14.68297	803	1.68	40.6	233.575	222.578434
2.4	3.10E+00	2.400	1.300	1.994	1.080	36.600	193.7	14.41276	786	0.62	39.7	235.185221	224.577996
2.4	3.10E+00	2.400	1.300	1.989	1.078	39.200	193.3	14.14532	780	0	40	235.715511	225.676048
2.3	3.10E+00	2.400	1.300	1.982	1.073	37.500	192.9	14.16	781	0	40	236.323077	226.316552
0	3.00E+00	2.400	1.300	1.974	1.069	39.300	192.5	14.24221	777	0	39.4	239.566234	226.6
0	3.10E+00	2.400	1.400	1.973	1.151	39.100	192.3	14.3663	778	0	40.3	239.453371	227.047779
0	3.10E+00	2.400	1.400	1.972	1.150	38.400	192.6	14.34645	783	0	40	239.861597	227.677976
0	3.00E+00	2.300	1.400	1.890	1.150	41.000	193	14.18425	777	0	39.6	239.907421	227.9
0	3.00E+00	2.300	1.400	1.890	1.150	37.000	193.4	14.28244	779	0	40.3	239.828994	227.9
0	3.00E+00	2.300	1.400	1.890	1.150	39.800	193.7	15.74987	846	0.002	45.5	240.878182	228.293326
0	3.00E+00	2.300	1.400	1.890	1.150	38.300	194	16.25182	883	1.457	44.3	242.792308	229.459826
1	3.00E+00	2.300	1.400	1.887	1.149	39.900	194	17.76908	1098	2.863	58.2	243.138701	232.658474
1.1	3.00E+00	2.300	1.400	1.868	1.137	38.800	194	34.5764	1545	5.555	81.6	243.575865	248.585015
5.2	3.10E+00	2.500	1.400	2.006	1.123	38.200	194	40.74688	1812	8.359	65.5	245.90725	268.239545
5.3	3.80E+00	3.200	1.500	2.555	1.198	40.600	194	28.50049	1479	9.775	54.7	248.669672	274.011522
9.8	4.40E+00	4.000	1.500	3.204	1.203	38.600		29.13145	1490	10.997	65.3	248.842394	276.173168
9.9	4.50E+00	4.100	1.500	3.287	1.203	41.600		33.82866	1624	12.218	71.1	248.636626	284.485211
13.3	4.50E+00	4.100	1.500	3.272	1.197	40.000		34.98726	1700	13.455	65.4	249.413299	292.098798
13.4	4.50E+00	4.100	1.500	3.269	1.196	40.600		26.8938	1471	14.28	51	252.299478	296.620998
14.7	4.50E+00	4.200	1.500	3.349	1.197	41.300		16.91544	1231	14.28	43.8	250.329293	289.878035
14.7	4.50E+00	4.100	1.500	3.283	1.201	39.900	192.2	20.14246	1272	14.776	62.5	252.938773	285.8038
14.8	4.40E+00	4.000	1.500	3.214	1.205	43.600	192.2	23.86178	1349	14.914	71.6	255.558683	283.687803
14.9	4.30E+00	3.900	1.500	3.118	1.199	43.000	192.2	29.86253	1483	15.53	75.4	255.916633	290.29209
16	4.20E+00	3.800	1.500	3.017	1.191	45.800	192.2	30.58858	1510	16.77	70.6	266.178351	295.355286
16.1	4.10E+00	3.700	1.500	2.934	1.190	43.900	192.2	27.9295	1499	17.39	63.7	267.7111	298.353666
17.8	4.10E+00	3.700	1.500	2.937	1.191	44.500	192.5	25.83512	1470	18.01	52.3	267.198129	297.67419
17.8	4.10E+00	3.700	1.500	2.947	1.195	45.200	192.8	21.79792	1429	18.01	50.5	264.131653	292.519001
18.6	4.20E+00	3.700	1.500	2.961	1.200	44.900	193.2	21.99027	1435	18.01	52.3	265.234583	286.472586
18.6	4.20E+00	3.700	1.500	2.980	1.208	47.600	193.6	22.74652	1457	18.01	53.9	265.364815	283.004757
18.6	4.20E+00	3.700	1.500	2.980	1.208	45.400	193.9	24.05074	1463	18.01	51.8	264.260083	280.781471
18.6	4.10E+00	3.600	1.500	2.897	1.206	49.000	194	22.1081	1440	18.01	45.4	261.724444	277.458153
19	4.10E+00	3.600	1.500	2.900	1.208	47.100	194	23.08466	1444	18.01	49.5	259.192133	273.493906
19	4.10E+00	3.600	1.500	2.907	1.211	47.200	194	23.58596	1463	18.01	51.4	256.076415	271.831034

0.65189	0.64754	6.14568	9755.386
0.65199	0.6479	6.14721	9757.27
0.65208	0.64827	6.14854	9759.081
0.65216	0.6486	6.14976	9760.703
0.65224	0.64891	6.15101	9762.11
0.65231	0.64919	6.15229	9763.294
0.65238	0.64944	6.15364	9764.36
0.65245	0.64969	6.15505	9765.357
0.65252	0.64994	6.15648	9766.332
0.65259	0.65021	6.15797	9767.335
0.65266	0.65046	6.1595	9768.367
0.65273	0.65071	6.161	9769.352
0.6528	0.65095	6.16231	9770.222
0.65287	0.65119	6.1634	9771.033
0.65294	0.65145	6.16463	9771.861
0.65301	0.6517	6.16594	9772.684
0.65308	0.65196	6.16725	9773.559
0.65315	0.65221	6.16849	9774.53
0.65322	0.65248	6.16972	9775.583
0.65329	0.65275	6.17104	9776.663
0.65336	0.65301	6.17237	9777.759
0.65343	0.65329	6.17369	9778.854
0.6535	0.65354	6.17502	9779.952
0.65358	0.65385	6.17651	9781.187
0.65366	0.65416	6.17807	9782.482
0.65377	0.65458	6.18014	9784.219
0.65393	0.6552	6.18353	9787.425
0.65412	0.6559	6.18798	9791.87
0.65432	0.65656	6.19086	9795.999
0.65454	0.65715	6.19348	9799.719
0.65478	0.65781	6.19649	9803.598
0.65502	0.65847	6.19966	9807.857
0.65519	0.65894	6.20206	9810.91
0.65534	0.65936	6.20381	9813.534
0.65548	0.65975	6.20532	9815.94
0.65565	0.66025	6.20731	9818.679
0.65585	0.66084	6.20991	9822.151
0.65605	0.66149	6.21246	9826.074
0.65623	0.66207	6.21445	9829.792
0.6564	0.66262	6.21629	9833.168
0.65655	0.66312	6.21808	9836.064
0.6567	0.66359	6.21955	9838.683
0.65685	0.66411	6.22102	9841.149
0.657	0.6646	6.22289	9843.625
0.65715	0.66512	6.2247	9846.097
0.6573	0.66563	6.22637	9848.553
0.65745	0.66615	6.22835	9850.954

10:55:37.351	-9	0.00016	0.00054	0.00204	2.446	0.000237
10:55:38.351	-9	0.00016	0.00057	0.00194	2.638	0.000255
10:55:39.351	-9	0.00016	0.00062	0.0018	2.805	0.000272
10:55:40.351	-9	0.00018	0.00063	0.00178	3.129	0.000303
10:55:41.351	-9	0.0002	0.00073	0.00249	3.719	0.00036
10:55:42.351	-9	0.00022	0.00069	0.00251	4.143	0.000401
10:55:43.351	-9	0.00022	0.00063	0.0021	3.986	0.000386
10:55:44.351	-9	0.00019	0.00057	0.00165	3.359	0.000325
10:55:45.351	-9	0.00019	0.00055	0.0016	2.901	0.000281
10:55:46.351	-9	0.00023	0.00068	0.00188	3.077	0.000298
10:55:47.351	-9	0.00024	0.00071	0.00248	3.435	0.000333
10:55:48.351	-9	0.00014	0.00044	0.00118	2.288	0.000221
10:55:49.351	-9	0.0001	0.00029	0.00071	1.65	0.00016
10:55:50.351	-9	0.00009	0.00026	0.00058	1.355	0.000131
10:55:51.351	-9	0.00008	0.00023	0.00047	1.005	0.000097
10:55:52.351	-9	0.0001	0.00028	0.0007	0.976	0.000095
10:55:53.351	-9	0.00012	0.00035	0.00062	0.793	0.000077
10:55:54.351	-9	0.00011	0.00029	0.00074	0.51	0.00005
10:55:55.351	-9	0.0001	0.0003	0.00094	0.445	0.000043
10:55:56.351	-9	0.00009	0.00026	0.00107	0.465	0.000045
10:55:57.351	-9	0.00009	0.00025	0.00107	0.47	0.000046
10:55:58.351	-9	0.00009	0.00024	0.00107	0.556	0.000054
10:55:59.351	-9	0.00009	0.00023	0.00139	0.698	0.000068
10:56:00.351	-9	0.00009	0.00026	0.00153	0.863	0.000084
10:56:01.351	-9	0.00009	0.00024	0.00135	0.989	0.000096
10:56:02.351	-9	0.00009	0.00026	0.00112	1.042	0.000101
10:56:03.351	-9	0.00008	0.00025	0.00104	1.051	0.000102
10:56:04.351	-9	0.00009	0.00025	0.00105	1.061	0.000103
10:56:05.351	-9	0.00009	0.00026	0.00106	1.07	0.000104
10:56:06.351	-9	0.00009	0.00026	0.00107	1.078	0.000105
10:56:07.351	-9	0.00009	0.0003	0.00111	1.113	0.000108
10:56:08.351	-9	0.00011	0.00033	0.00133	1.339	0.00013
10:56:09.351	-9	0.00018	0.00057	0.00251	2.332	0.000226
10:56:10.351	-9	0.00029	0.00087	0.0061	5.202	0.000504
10:56:11.351	-9	0.00038	0.00103	0.0063	7.015	0.000679
10:56:12.351	-9	0.00058	0.00108	0.00565	7.602	0.000736
10:56:13.351	-9	0.00071	0.00112	0.00524	8.199	0.000793
10:56:14.351	-9	0.00063	0.00099	0.00402	7.052	0.000682
10:56:15.351	-9	0.00047	0.00067	0.00277	5.023	0.000486
10:56:16.351	-9	0.00035	0.00054	0.00227	3.584	0.000347
10:56:17.351	-9	0.00029	0.00047	0.00225	3.244	0.000314
10:56:18.351	-9	0.00021	0.0004	0.00174	2.657	0.000257
10:56:19.351	-9	0.00017	0.00038	0.00115	2.216	0.000214
10:56:20.351	-9	0.00015	0.00036	0.00083	1.736	0.000168
10:56:21.351	-9	0.00012	0.00033	0.00096	1.254	0.000122
10:56:22.351	-9	0.00011	0.00029	0.00142	1.055	0.000102
10:56:23.351	-9	0.00011	0.00029	0.0012	0.903	0.000088

19.2	4.10E+00	3.600	1.500	2.909	1.212	47.800
19.2	4.10E+00	3.600	1.500	2.903	1.210	48.100
19	4.00E+00	3.500	1.500	2.816	1.207	50.900
19	4.00E+00	3.500	1.500	2.811	1.205	47.500
20.1	4.00E+00	3.500	1.500	2.802	1.201	48.600
20.1	4.20E+00	3.700	1.600	2.952	1.277	43.300
20.9	4.40E+00	3.900	1.600	3.105	1.273	42.400
20.9	4.60E+00	4.200	1.600	3.340	1.273	45.000
21.9	4.80E+00	4.400	1.600	3.527	1.283	45.200
21.9	4.90E+00	4.400	1.700	3.550	1.369	48.500
22	4.80E+00	4.400	1.600	3.539	1.287	47.700
22.1	4.70E+00	4.300	1.600	3.437	1.279	48.400
23.9	4.80E+00	4.300	1.700	3.427	1.355	46.100
23.7	4.80E+00	4.300	1.700	3.442	1.361	47.100
20.1	4.90E+00	4.300	1.700	3.476	1.374	48.300
19.9	4.90E+00	4.300	1.700	3.531	1.396	46.400
15.9	4.90E+00	4.200	1.700	3.505	1.418	46.800
15.7	4.80E+00	4.000	1.700	3.373	1.432	42.100
10.4	4.60E+00	3.800	1.600	3.210	1.351	45.000
10.1	4.20E+00	3.400	1.600	2.872	1.349	39.400
4.4	4.00E+00	3.200	1.600	2.699	1.349	37.700
4.2	4.00E+00	3.200	1.600	2.689	1.344	36.200
0	4.00E+00	3.200	1.600	2.672	1.336	35.100
0	3.90E+00	3.100	1.600	2.571	1.326	38.400
0	3.90E+00	3.100	1.600	2.555	1.319	36.500
0	3.90E+00	3.100	1.600	2.549	1.316	38.900
0	3.80E+00	3.000	1.600	2.467	1.316	36.600
0	3.80E+00	3.000	1.600	2.467	1.316	36.700
0	3.80E+00	3.000	1.600	2.467	1.316	38.600
0	3.80E+00	3.000	1.600	2.467	1.316	37.800
0	3.80E+00	3.000	1.600	2.467	1.316	41.500
0	3.90E+00	3.100	1.600	2.549	1.316	38.800
0	3.90E+00	3.100	1.600	2.542	1.312	40.400
0.2	3.80E+00	3.100	1.600	2.497	1.289	37.800
6.3	4.20E+00	3.700	1.600	2.944	1.277	37.700
6.5	6.20E+00	5.600	2.200	4.442	1.747	38.100
13	7.20E+00	6.600	2.500	5.228	1.983	37.700
13.2	7.70E+00	7.100	2.600	5.617	2.058	39.600
17.7	7.90E+00	7.200	2.700	5.709	2.141	37.000
17.8	7.90E+00	7.200	2.700	5.726	2.147	40.700
19.4	7.20E+00	6.300	2.700	5.022	2.147	39.000
19.4	6.50E+00	5.500	2.600	4.384	2.070	40.600
19.4	5.80E+00	4.900	2.400	3.919	1.919	43.000
19.4	5.50E+00	4.500	2.300	3.637	1.859	43.800
18	5.20E+00	4.100	2.200	3.354	1.799	46.200
18	4.90E+00	3.900	2.100	3.207	1.727	43.000
17.9	4.80E+00	3.700	2.100	3.061	1.737	44.300

194	23.84314	1474	18.01	51.8	254.48649	271.838762
194	25.36	1497	18.621	55	251.734679	272.561276
193.6	25.84049	1520	18.63	56.9	249.068946	274.266525
193.2	27.79669	1558	19.25	60.9	250.216514	277.320673
192.9	31.13536	1618	19.421	66	250.012774	283.281772
192.5	34.37536	1667	20.031	68.2	250.706711	290.990265
192.2	32.59984	1690	20.652	66.2	249.048741	299.158849
192.2	25.81393	1650	21.11	54	250.004046	296.14144
192.2	25.72576	1635	21.11	54.1	244.80289	291.315944
192.2	29.43622	1696	21.11	58.8	243.920942	285.425177
192.2	32.98272	1751	21.73	68.1	244.230337	293.058736
192.2	32.91641	1604	22.073	30	243.605979	288.000427
192.2	11.64995	1312	21.11	0	246.69252	274.936264
192.2	10.40003	1164	19.706	0	251.038462	263.415789
192.2	9.04693	999	17.255	9.8	248.446744	253.821311
192.2	11.59033	909	14.941	14.4	243.774038	246.578689
192.2	15.62048	830	12.138	17.3	241.266346	240.222581
192.2	13.92033	827	8.872	14.8	240.335577	233.892409
192.2	13.62973	781	6.494	28.9	238.429198	228.555498
192.2	14.45706	808	3.215	37.1	238.005102	228.529412
192.2	14.78384	805	1.359	38.3	238.304444	229.158766
192.2	14.32769	783	0.089	39.2	238.694731	231.112731
192.2	14.21288	778	0	39.5	237.706076	232.4675
192.2	14.43105	784	0	38.7	236.506591	233.185106
192.2	14.32749	777	0	38.1	236.572917	233.6
192.2	14.22345	779	0	38	236.780645	233.385621
192.2	14.54542	779	0	38	236.502222	233.241176
192.2	14.17078	777	0	38.4	236.57975	233.6
192.2	14.36347	784	0	38.8	237.216792	233.6
	14.17315	776	0	38.4	237.430636	233.289109
	14.21314	779	0	38.6	237.132075	233.330264
	17.70441	946	0.537	44.4	237.490377	234.927282
	25.55024	1270	2.949	81.1	238.250893	242.462038
	47.65477	1657	6.526	77.7	242.928011	263.119326
192.2	57.91427	2095	9.691	71.5	253.883179	287.579337
192.2	51.90942	1816	12.962	76.7	258.183622	308.249672
192.2	59.73096	1999	15.626	80.7	257.34261	326.824
192.2	62.34574	1895	17.39	77.8	243.9	345.39823
192.2	34.17372	1660	18.01	72.8	251.474322	345.615914
192.2	26.1425	1573	18.63	71.3	251.347604	344.072072
192.2	24.96807	1534	18.63	52.3	251.237014	337.057343
192.2	18.31657	1344	18.201	40	248.85	323.740294
192.2	18.72274	1362	17.55	32	250.220594	307.584474
192.2	16.05779	1206	16.77	19.7	248.583299	293.39021
	12.59915	1035	15.693	13.4	247.134511	280.324625
	12.59798	911	14.9	10.7	245.986735	268.682789
	13.30868	855	13.437	12.6	245.18377	258.59

0.65761	0.66669	6.23039	9853.4
0.65777	0.66726	6.23233	9856.038
0.65793	0.66788	6.23413	9858.843
0.65811	0.66851	6.23591	9861.972
0.65831	0.66924	6.2384	9865.691
0.65853	0.66993	6.24091	9869.834
0.65875	0.67056	6.24301	9873.82
0.65894	0.67113	6.24466	9877.179
0.65913	0.67168	6.24626	9880.08
0.65936	0.67236	6.24814	9883.157
0.6596	0.67307	6.25062	9886.592
0.65974	0.67351	6.2518	9888.88
0.65984	0.6738	6.25251	9890.53
0.65993	0.67406	6.25309	9891.885
0.66001	0.67429	6.25356	9892.89
0.66011	0.67457	6.25426	9893.866
0.66023	0.67492	6.25488	9894.659
0.66034	0.67521	6.25562	9895.169
0.66044	0.67551	6.25656	9895.614
0.66053	0.67577	6.25763	9896.079
0.66062	0.67602	6.2587	9896.549
0.66071	0.67626	6.25977	9897.105
0.6608	0.67649	6.26116	9897.803
0.66089	0.67675	6.26269	9898.666
0.66098	0.67699	6.26404	9899.655
0.66107	0.67725	6.26516	9900.697
0.66115	0.6775	6.2662	9901.748
0.66124	0.67775	6.26725	9902.809
0.66133	0.67801	6.26831	9903.879
0.66142	0.67827	6.26938	9904.957
0.66151	0.67857	6.27049	9906.07
0.66162	0.6789	6.27182	9907.409
0.6618	0.67947	6.27433	9909.741
0.66209	0.68034	6.28043	9914.943
0.66247	0.68137	6.28673	9921.958
0.66305	0.68245	6.29238	9929.56
0.66376	0.68357	6.29762	9937.759
0.66439	0.68456	6.30164	9944.811
0.66486	0.68523	6.30441	9949.834
0.66521	0.68577	6.30668	9953.418
0.6655	0.68624	6.30893	9956.662
0.66571	0.68664	6.31067	9959.319
0.66588	0.68702	6.31182	9961.535
0.66603	0.68738	6.31265	9963.271
0.66615	0.68771	6.31361	9964.525
0.66626	0.688	6.31503	9965.58
0.66637	0.68829	6.31623	9966.483

10:56:24.351	-9	0.0001	0.00026	0.00113	0.716	0.00007
10:56:25.351	-9	0.0001	0.00027	0.00102	0.597	0.000058
10:56:26.351	-9	0.0001	0.00028	0.00103	0.525	0.000051
10:56:27.351	-9	0.0001	0.00026	0.00125	0.471	0.000046
10:56:28.351	-9	0.0001	0.00028	0.00135	0.458	0.000045
10:56:29.351	-9	0.0001	0.00026	0.00136	0.54	0.000053
10:56:30.351	-9	0.0001	0.00028	0.00125	0.662	0.000064
10:56:31.351	-9	0.00009	0.00027	0.00142	0.8	0.000078
10:56:32.351	-9	0.00009	0.00028	0.00168	0.927	0.00009
10:56:33.351	-9	0.00009	0.00027	0.00176	0.993	0.000096
10:56:34.351	-9	0.00009	0.00026	0.00152	1.011	0.000098
10:56:35.351	-9	0.00008	0.00027	0.00135	0.982	0.000095
10:56:36.351	-9	0.00009	0.00027	0.00129	1.082	0.000105
10:56:37.351	-9	0.00009	0.00029	0.00123	1.104	0.000107
10:56:38.351	-9	0.00009	0.00026	0.00113	1.047	0.000102
10:56:39.351	-9	0.00009	0.00026	0.0011	1.076	0.000104
10:56:40.351	-9	0.00009	0.00026	0.0011	1.106	0.000107
10:56:41.351	-9	0.00008	0.00024	0.00109	1.101	0.000107
10:56:42.351	-9	0.00008	0.00025	0.00106	1.06	0.000103
10:56:43.351	-9	0.00008	0.00024	0.00105	1.021	0.000099
10:56:44.351	-9	0.00008	0.00027	0.00095	1.001	0.000097
10:56:45.351	-9	0.00008	0.00027	0.0008	0.991	0.000096
10:56:46.351	-9	0.00008	0.00027	0.00079	0.987	0.000096
10:56:47.351	-9	0.00008	0.00026	0.00078	0.988	0.000096
10:56:48.351	-9	0.00008	0.00023	0.00094	1.007	0.000098
10:56:49.351	-9	0.00008	0.00026	0.00106	1.072	0.000104
10:56:50.351	-9	0.0001	0.00029	0.00124	1.289	0.000125
10:56:51.351	-9	0.00012	0.00041	0.00159	1.72	0.000167
10:56:52.351	-9	0.0002	0.00063	0.00231	3.238	0.000314
10:56:53.351	-9	0.00026	0.00083	0.00406	5.085	0.000492
10:56:54.351	-9	0.00029	0.00092	0.00316	6.228	0.000602
10:56:55.351	-9	0.00032	0.00094	0.00389	6.944	0.000671
10:56:56.351	-9	0.00032	0.00096	0.00448	7.43	0.000718
10:56:57.351	-9	0.00032	0.00093	0.0036	7.404	0.000716
10:56:58.351	-9	0.00034	0.00095	0.00344	7.087	0.000685
10:56:59.351	-9	0.00034	0.00091	0.00342	7.087	0.000685
10:57:00.351	-9	0.00034	0.0009	0.00331	6.882	0.000665
10:57:01.351	-9	0.00031	0.00089	0.00306	6.31	0.00061
10:57:02.351	-9	0.00027	0.00074	0.00222	5.409	0.000523
10:57:03.351	-9	0.00025	0.0007	0.00139	4.777	0.000462
10:57:04.351	-9	0.00025	0.00066	0.00189	4.394	0.000425
10:57:05.351	-9	0.00024	0.00071	0.00246	4.288	0.000415
10:57:06.351	-9	0.00024	0.00071	0.00288	4.409	0.000427
10:57:07.351	-9	0.00024	0.00073	0.00312	4.697	0.000455
10:57:08.351	-9	0.00025	0.00077	0.00358	5.336	0.000516
10:57:09.351	-9	0.00023	0.00068	0.00337	4.974	0.000481
10:57:10.351	-9	0.00016	0.00054	0.0022	3.576	0.000346

15.6	4.70E+00	3.600	2.000	3.000	1.667	41.300
12.4	4.50E+00	3.500	1.900	2.932	1.593	40.800
12.4	4.50E+00	3.400	1.900	2.859	1.598	41.000
12.2	4.40E+00	3.300	1.900	2.783	1.602	38.400
7.4	4.30E+00	3.200	1.900	2.700	1.603	42.000
7.3	4.30E+00	3.200	1.900	2.691	1.598	38.200
3.1	4.30E+00	3.200	1.900	2.676	1.589	40.700
0	4.20E+00	3.200	1.800	2.661	1.497	39.100
0	4.10E+00	3.200	1.800	2.645	1.488	40.900
0	4.10E+00	3.100	1.900	2.556	1.566	41.000
0	4.00E+00	3.100	1.800	2.550	1.482	40.000
0	4.00E+00	3.100	1.800	2.549	1.480	42.300
0	4.00E+00	3.100	1.800	2.549	1.480	39.600
0	4.00E+00	3.100	1.800	2.548	1.480	41.900
0	4.00E+00	3.100	1.800	2.545	1.478	40.000
0	4.10E+00	3.200	1.800	2.621	1.474	40.300
0	4.10E+00	3.200	1.800	2.617	1.472	41.500
0	4.00E+00	3.100	1.800	2.534	1.472	38.800
0	4.00E+00	3.100	1.800	2.536	1.473	41.000
0	4.10E+00	3.200	1.800	2.621	1.474	39.000
0	4.10E+00	3.200	1.800	2.622	1.475	45.500
0	4.20E+00	3.300	1.800	2.702	1.475	45.800
0	4.20E+00	3.300	1.800	2.704	1.475	46.500
0	4.20E+00	3.300	1.800	2.702	1.474	44.800
0	4.20E+00	3.300	1.800	2.700	1.473	40.500
0	4.10E+00	3.200	1.800	2.619	1.472	42.500
0	4.10E+00	3.200	1.800	2.613	1.470	40.400
0	4.00E+00	3.100	1.800	2.529	1.468	43.500
0.2	4.00E+00	3.100	1.800	2.506	1.455	41.600
4.9	3.90E+00	3.100	1.800	2.478	1.439	40.800
5.1	3.90E+00	3.100	1.800	2.460	1.428	40.700
9.7	4.00E+00	3.200	1.800	2.529	1.423	39.000
9.7	3.90E+00	3.200	1.800	2.516	1.415	39.600
9.9	4.00E+00	3.300	1.800	2.594	1.415	38.500
14.7	4.40E+00	3.800	1.800	2.985	1.415	41.100
14.9	4.50E+00	3.900	1.800	3.062	1.414	39.600
19	4.60E+00	4.000	1.800	3.142	1.414	40.400
21.3	4.60E+00	4.000	1.800	3.144	1.415	43.300
21.4	4.50E+00	4.000	1.700	3.154	1.340	40.400
23.1	4.50E+00	4.000	1.700	3.167	1.346	41.500
23.1	4.50E+00	3.900	1.700	3.106	1.353	40.000
22.9	4.30E+00	3.800	1.600	3.034	1.278	41.800
22.9	4.20E+00	3.600	1.600	2.877	1.279	40.600
22.8	3.90E+00	3.300	1.600	2.635	1.277	39.600
22.8	3.70E+00	3.200	1.500	2.548	1.194	37.700
23.2	3.70E+00	3.200	1.500	2.541	1.191	37.400
23.2	3.70E+00	3.200	1.500	2.540	1.191	40.900

	12.45257	960	11.354	9.8	244.829939	249.444536
	14.76857	864	9.073	13.8	244.327027	241.813837
192.2	13.86896	791	5.969	27.2	243.51	236.468096
192.2	14.64086	824	4.135	34.1	243.457377	234.987425
192.2	13.89171	765	2.595	36	242.489627	233.024675
192.2	14.71558	795	1.329	40.3	242.441969	234.915652
192.2	14.38567	782	0.599	39.6	242.156842	236.190864
192.5	14.76641	797	0	39.9	240.785988	237.267028
192.9	14.15576	779	0	39.3	241.346614	238.1
193.3	14.16912	778	0	39.2	241.121429	238.1
193.6	14.18087	776	0	39.2	241.99405	238.1
194	12.68815	786	0	42.1	242.586038	238.1
194	13.96939	859	0	43.8	242.479271	238.487413
194	14.83887	884	0	41.4	242.689286	239.124976
194	13.40469	782	0	37.3	242.874375	239.4
194	13.02775	774	0	38.2	243.410586	239.025652
194	13.22	777	0	39.1	243.251062	238.343114
194	13.24	782	0	38.4	243.048699	237.716846
194	12.86335	779	0	38.5	242.695	237.5
194	12.58107	776	0	39.6	242.645135	237.104375
194	12.39679	777	0	42.7	243.719578	236.301112
194	12.28236	779	0	46.8	243.777966	236.1
194	12.43175	779	0	47.6	243.8639	236.1
194	12.13377	780	0	47.9	243.8639	236.1
194	12.24	779	0	47.7	242.042308	235.5
194	12.215	788	0	52.6	241.904908	235.714851
194	14.8384	926	0.685	52.9	242.2614	237.258202
194	20.23897	1248	2.61	65.4	243.316284	240.848252
194	31.93854	1442	5.107	73.9	246.187029	252.945511
194	46.51478	1753	7.581	72	254.273402	273.180769
194	47.18771	1838	9.683	78.4	261.683436	293.427849
193.7	49.8575	1851	12.17	80.1	268.313987	311.4716
193.4	51.43077	1920	14.465	79.6	276.331458	329.711466
193	49.10689	1814	16.325	78.2	279.340719	341.080164
192.6	47.20557	1825	18.219	78.5	287.493333	351.992893
192.3	47.16653	1849	19.459	80.3	289.781913	358.079221
192.2	48.595	1869	20.7	76.2	293.608542	364.456044
192.2	43.3563	1850	21.943	76.5	294.192917	365.721622
192.2	38.83078	1826	22.36	70.2	293.908108	362.791011
192.2	32.69621	1789	22.36	57.7	301.376583	355.468889
192.2	33.75306	1777	22.36	53.5	289.64	348.23446
192.2	35.72114	1786	22.36	56.6	288.241154	343.433101
192.2	39.30477	1800	22.36	60.9	286.725577	341.8
192.2	38.64015	1795	21.866	61.2	284.21641	342.582759
192.2	44.98562	1855	22.36	72	267.787739	347.471429
192.2	41.08706	1868	22.98	68.3	268.8275	351.9568
192.2	27.44412	1726	22.779	49.2	261.133333	345.307609

0.66647	0.68855	6.31736	9967.199
0.66657	0.68882	6.31838	9967.796
0.66667	0.6891	6.31941	9968.321
0.66677	0.68936	6.32066	9968.792
0.66687	0.68964	6.32201	9969.25
0.66697	0.6899	6.32337	9969.79
0.66707	0.69018	6.32462	9970.452
0.66716	0.69045	6.32604	9971.252
0.66725	0.69073	6.32772	9972.179
0.66734	0.691	6.32948	9973.172
0.66743	0.69126	6.331	9974.183
0.66751	0.69153	6.33235	9975.165
0.6676	0.6918	6.33364	9976.247
0.66769	0.69209	6.33487	9977.351
0.66778	0.69235	6.336	9978.398
0.66787	0.69261	6.3371	9979.474
0.66796	0.69287	6.3382	9980.58
0.66804	0.69311	6.33929	9981.681
0.66812	0.69336	6.34035	9982.741
0.6682	0.6936	6.3414	9983.762
0.66828	0.69387	6.34235	9984.763
0.66836	0.69414	6.34315	9985.754
0.66844	0.69441	6.34394	9986.741
0.66852	0.69467	6.34472	9987.729
0.6686	0.6949	6.34566	9988.736
0.66868	0.69516	6.34672	9989.808
0.66878	0.69545	6.34796	9991.097
0.6689	0.69586	6.34955	9992.817
0.6691	0.69649	6.35186	9996.055
0.66936	0.69732	6.35592	10001.14
0.66965	0.69824	6.35908	10007.368
0.66997	0.69918	6.36297	10014.312
0.67029	0.70014	6.36745	10021.742
0.67061	0.70107	6.37105	10029.146
0.67095	0.70202	6.37449	10036.233
0.67129	0.70293	6.37791	10043.32
0.67163	0.70383	6.38122	10050.202
0.67194	0.70472	6.38428	10056.512
0.67221	0.70546	6.3865	10061.921
0.67246	0.70616	6.38789	10066.698
0.67271	0.70682	6.38978	10071.092
0.67295	0.70753	6.39224	10075.38
0.67319	0.70824	6.39512	10079.789
0.67343	0.70897	6.39824	10084.486
0.67368	0.70974	6.40182	10089.822
0.67391	0.71042	6.40519	10094.796
0.67407	0.71096	6.40739	10098.372

10:57:11.351	-9	0.00013	0.00041	0.00161	2.697	0.000261
10:57:12.351	-9	0.00012	0.00041	0.00102	2.038	0.000197
10:57:13.351	-9	0.0001	0.00034	0.00113	1.426	0.000138
10:57:14.351	-9	0.0001	0.00032	0.00138	1.214	0.000118
10:57:15.351	-9	0.00012	0.00038	0.00135	1.198	0.000116
10:57:16.351	-9	0.00012	0.00037	0.00114	1.138	0.00011
10:57:17.351	-9	0.00011	0.00037	0.00141	1.16	0.000113
10:57:18.351	-9	0.00008	0.00026	0.00125	0.952	0.000092
10:57:19.351	-9	0.00007	0.00023	0.00106	0.859	0.000083
10:57:20.351	-9	0.00007	0.00024	0.00108	0.922	0.000089
10:57:21.351	-9	0.00008	0.00027	0.00112	0.85	0.000082
10:57:22.351	-9	0.00007	0.00022	0.00056	0.505	0.000049
10:57:23.351	-9	0.00007	0.00022	0.00059	0.375	0.000036
10:57:24.351	-9	0.00008	0.00026	0.00082	0.311	0.00003
10:57:25.351	-9	0.00007	0.00024	0.0009	0.254	0.000025
10:57:26.351	-9	0.00007	0.00024	0.00096	0.243	0.000024
10:57:27.351	-9	0.00006	0.00023	0.00102	0.283	0.000028
10:57:28.351	-9	0.00006	0.00022	0.00092	0.322	0.000031
10:57:29.351	-9	0.00006	0.00023	0.00119	0.389	0.000038
10:57:30.351	-9	0.00006	0.00021	0.00116	0.495	0.000048
10:57:31.351	-9	0.00006	0.00023	0.00112	0.618	0.00006
10:57:32.351	-9	0.00006	0.00022	0.00112	0.713	0.000069
10:57:33.351	-9	0.00006	0.00023	0.00113	0.842	0.000082
10:57:34.351	-9	0.00006	0.00023	0.00122	0.961	0.000093
10:57:35.351	-9	0.00007	0.00026	0.00105	1.148	0.000111
10:57:36.351	-9	0.00007	0.00028	0.00109	1.175	0.000114
10:57:37.351	-9	0.00007	0.00027	0.00118	1.236	0.00012
10:57:38.351	-9	0.00008	0.00036	0.0014	1.588	0.000154
10:57:39.351	-9	0.00012	0.00048	0.00191	2.421	0.000235
10:57:40.351	-9	0.00018	0.00075	0.00311	4.301	0.000416
10:57:41.351	-9	0.00023	0.00093	0.00483	6.551	0.000634
10:57:42.351	-9	0.00024	0.00082	0.00333	6.278	0.000607
10:57:43.351	-9	0.00023	0.00064	0.00212	4.634	0.000448
10:57:44.351	-9	0.0002	0.00052	0.00183	3.572	0.000346
10:57:45.351	-9	0.00023	0.00058	0.00218	3.512	0.00034
10:57:46.351	-9	0.00018	0.00041	0.00201	2.813	0.000272
10:57:47.351	-9	0.00016	0.00041	0.00165	2.719	0.000263
10:57:48.351	-9	0.00016	0.00043	0.0018	2.702	0.000262
10:57:49.351	-9	0.00015	0.00045	0.00179	2.673	0.000259
10:57:50.351	-9	0.00015	0.00046	0.0015	2.559	0.000248
10:57:51.351	-9	0.00016	0.00047	0.00121	2.336	0.000226
10:57:52.351	-9	0.00017	0.00051	0.00169	2.234	0.000216
10:57:53.351	-9	0.00017	0.00051	0.00241	2.441	0.000237
10:57:54.351	-9	0.00017	0.00055	0.00217	2.659	0.000258
10:57:55.351	-9	0.00017	0.00055	0.0019	2.701	0.000262
10:57:56.351	-9	0.00017	0.00057	0.00175	2.473	0.00024
10:57:57.351	-9	0.00019	0.00065	0.00175	2.72	0.000264

23.9	3.80E+00	3.300	1.500	2.632	1.196	39.300	192.2	19.94744	1295	22.157	31.2	259.7975	330.9638
23.8	3.90E+00	3.300	1.500	2.658	1.208	45.500	192.2	16.90897	1212	21.425	15.8	248.687805	314.105562
22.4	3.80E+00	3.300	1.400	2.689	1.142	44.900	192.2	15.67509	1158	20.49	15.5	252.174029	300.133478
22.3	3.90E+00	3.400	1.400	2.794	1.150	41.500	192.2	14.91046	1102	19.457	21.9	249.813026	288.768431
20.5	4.00E+00	3.400	1.400	2.815	1.159	41.500	192.2	20.7023	1330	18.23	33.4	249.228427	279.836436
20.4	3.70E+00	3.100	1.300	2.578	1.081	38.400	192.2	20.99984	1319	18.01	33.2	250.791837	274.823102
18.9	3.70E+00	3.100	1.300	2.572	1.079	40.000	192.2	20.8899	1283	17.39	15.6	250.807484	270.658962
18.8	3.60E+00	3.100	1.300	2.561	1.074	37.900	192.2	11.61852	1211	16.254	1.6	249.212	261.256415
17.4	3.60E+00	3.100	1.300	2.554	1.071	39.200	192.2	10.68614	1124	15.032	0.8	248.232692	252.518351
17.3	3.50E+00	3.000	1.300	2.471	1.071	39.300	192.2	10.84328	1000	14.28	10.8	246.692876	245.372444
15	3.60E+00	3.000	1.300	2.491	1.080	39.300	192.2	15.51891	1068	12.263	3.9	244.290026	239.445402
14.9	3.50E+00	3.000	1.200	2.516	1.007	39.300	192.2	9.43287	998	10.902	8.8	241.460938	233.514
12	3.50E+00	3.000	1.200	2.534	1.014	37.000	192.2	9.11285	919	9.94	18.5	239.210291	229.097923
12	3.60E+00	3.000	1.200	2.545	1.018	40.600	192.2	12.95039	850	9.045	23.5	237.36334	225.163598
11.9	3.50E+00	2.900	1.200	2.464	1.020	39.500	192.2	12.50352	807	8.367	27.5	235.012745	222.52439
9.8	3.50E+00	2.900	1.200	2.464	1.019	41.600	192.2	11.96506	800	6.8	41.1	234.311307	221.105118
7.8	3.30E+00	2.800	1.100	2.375	0.933	40.300	192.2	12.18958	824	4.936	46.8	234.083163	222.171584
7.8	3.30E+00	2.800	1.100	2.369	0.931	38.700	192.2	12.08314	776	3.436	43.6	235.793204	223.601744
7.6	3.30E+00	2.800	1.100	2.361	0.928	40.200		12.07433	789	2.48	52.5	236.173469	225.2285
4.2	3.30E+00	2.800	1.100	2.349	0.923	37.100		12.12842	794	1.579	52.7	237.673849	228.89802
2.1	3.30E+00	2.800	1.100	2.334	0.917	41.000		12.19	786	0.62	50.3	239.476332	231.8625
2	3.20E+00	2.800	1.100	2.323	0.913	37.800		12.21387	782	0	48.9	240.37362	233.991412
0	3.20E+00	2.800	1.100	2.308	0.907	40.700		12.23155	780	0	48	241.27602	235.244543
0	3.20E+00	2.800	1.100	2.295	0.901	40.100	192.2	12.11957	779	0	48.8	240.993694	236.509574
0	3.20E+00	2.800	1.100	2.287	0.899	40.400	192.2	14.26238	866	0.305	55.8	242.144937	238.134596
0.1	3.20E+00	2.800	1.100	2.285	0.898	43.100	192.2	13.94172	854	1.566	49	242.767364	239.809035
1.6	3.20E+00	2.800	1.100	2.284	0.897	40.300	192.2	13.68086	866	2.814	49.7	243.518776	241.278166
1.7	3.00E+00	2.600	1.100	2.121	0.896	42.300	192.2	16.52988	1099	3.765	65.3	244.470313	244.0975
3.8	3.00E+00	2.600	1.100	2.110	0.893	39.300	192.2	24.27967	1378	5.632	68.2	246.696875	250.5855
4	3.00E+00	2.600	1.100	2.086	0.883	41.400	192.2	41.01308	1726	7.492	69.9	251.976812	265.815569
7.6	2.90E+00	2.600	1.100	2.064	0.873	38.600	192.2	62.96165	1866	10.348	70.9	264.842857	292.600409
7.8	3.40E+00	3.200	1.100	2.524	0.869	37.700	192.2	39.43839	1775	13.258	73.2	274.752273	314.872313
13.3	4.30E+00	4.200	1.200	3.319	0.949	39.700	192.2	23.22639	1611	14.722	62	279.589544	317.90668
13.4	4.50E+00	4.500	1.200	3.577	0.954	39.400		24.16664	1399	15.331	61.2	279.324231	314.3816
16	5.00E+00	4.500	1.800	3.594	1.433	42.200		36.72206	1574	16.571	74.9	277.486004	313.4696
16.1	4.90E+00	4.500	1.700	3.585	1.354	38.500		20.59507	1392	17.232	58.2	279.496122	311.625434
17.7	4.60E+00	4.200	1.600	3.352	1.278	39.200		22.00926	1409	17.39	54	275.085793	303.845837
17.7	4.30E+00	3.900	1.500	3.122	1.200	39.600		23.67587	1442	17.817	51.9	273.507663	298.152847
18.6	4.20E+00	3.800	1.400	3.049	1.123	40.200		23.04908	1419	18.435	41	271.607361	291.284715
18.6	4.00E+00	3.600	1.400	2.900	1.128	40.500		22.7155	1445	18.63	31.4	267.765649	282.234068
19.3	4.00E+00	3.600	1.300	2.925	1.058	39.300		24.15273	1472	19.061	38.2	264.990854	275.488194
19.3	4.00E+00	3.600	1.300	2.942	1.062	40.500		26.91977	1578	19.679	50	263.03434	273.108416
20.4	3.80E+00	3.500	1.200	2.855	0.978	38.900		29.56768	1637	20.49	51.7	263.755299	274.066066
20.5	3.80E+00	3.500	1.200	2.840	0.974	41.500	192.2	28.10446	1597	21.11	35.4	264.685714	272.237806
22	3.80E+00	3.500	1.200	2.839	0.974	41.200	192.2	28.84365	1678	21.73	41.1	262.421027	267.636837
22	3.80E+00	3.500	1.200	2.858	0.980	41.400	192.2	28.88351	1718	22.36	43.1	261.13	265.15102
23	3.80E+00	3.500	1.200	2.859	0.980	43.100	192.2	31.98304	1808	23.378	52	260.787473	266.799579

0.6742	0.71137	6.409	10101.069
0.67432	0.71178	6.41002	10103.107
0.67442	0.71212	6.41115	10104.533
0.67452	0.71244	6.41253	10105.747
0.67464	0.71282	6.41388	10106.945
0.67476	0.71319	6.41502	10108.083
0.67487	0.71356	6.41643	10109.243
0.67495	0.71382	6.41768	10110.195
0.67502	0.71405	6.41874	10111.054
0.67509	0.71429	6.41982	10111.976
0.67517	0.71456	6.42094	10112.826
0.67524	0.71478	6.4215	10113.331
0.67531	0.715	6.42209	10113.706
0.67539	0.71526	6.42291	10114.017
0.67546	0.7155	6.42381	10114.271
0.67553	0.71574	6.42477	10114.514
0.67559	0.71597	6.42579	10114.797
0.67565	0.71619	6.42671	10115.119
0.67571	0.71642	6.4279	10115.508
0.67577	0.71663	6.42906	10116.003
0.67583	0.71686	6.43018	10116.621
0.67589	0.71708	6.4313	10117.334
0.67595	0.71731	6.43243	10118.176
0.67601	0.71754	6.43365	10119.137
0.67608	0.7178	6.4347	10120.285
0.67615	0.71808	6.43579	10121.46
0.67622	0.71835	6.43697	10122.696
0.6763	0.71871	6.43837	10124.284
0.67642	0.71919	6.44028	10126.705
0.6766	0.71994	6.44339	10131.006
0.67683	0.72087	6.44822	10137.557
0.67707	0.72169	6.45155	10143.835
0.6773	0.72233	6.45367	10148.469
0.6775	0.72285	6.4555	10152.041
0.67773	0.72343	6.45768	10155.553
0.67791	0.72384	6.45969	10158.366
0.67807	0.72425	6.46134	10161.085
0.67823	0.72468	6.46314	10163.787
0.67838	0.72513	6.46493	10166.46
0.67853	0.72559	6.46643	10169.019
0.67869	0.72606	6.46764	10171.355
0.67886	0.72657	6.46933	10173.589
0.67903	0.72708	6.47174	10176.03
0.6792	0.72763	6.47391	10178.689
0.67937	0.72818	6.47581	10181.39
0.67954	0.72875	6.47756	10183.863
0.67973	0.7294	6.47931	10186.583

10:57:58.351	-9	0.0002	0.00067	0.00187	3.213	0.000311
10:57:59.351	-9	0.00016	0.00058	0.00232	2.804	0.000272
10:58:00.351	-9	0.00014	0.00048	0.00193	2.384	0.000231
10:58:01.351	-9	0.00009	0.00033	0.00112	1.526	0.000148
10:58:02.351	-9	0.00013	0.00045	0.00131	1.84	0.000178
10:58:03.351	-9	0.00014	0.00048	0.00134	1.429	0.000139
10:58:04.351	-9	0.00013	0.00048	0.0018	1.209	0.000117
10:58:05.351	-9	0.00013	0.00043	0.00194	1.112	0.000108
10:58:06.351	-9	0.00012	0.00042	0.00192	1.055	0.000103
10:58:07.351	-9	0.0001	0.0003	0.00148	0.812	0.000079
10:58:08.351	-9	0.00008	0.00026	0.00115	0.679	0.000066
10:58:09.351	-9	0.00007	0.00023	0.0009	0.604	0.000059
10:58:10.351	-9	0.00007	0.00021	0.00086	0.493	0.000048
10:58:11.351	-9	0.00007	0.00022	0.00064	0.357	0.000035
10:58:12.351	-9	0.00007	0.00019	0.0008	0.247	0.000024
10:58:13.351	-9	0.00007	0.00022	0.00079	0.194	0.000019
10:58:14.351	-9	0.00007	0.00021	0.00072	0.157	0.000015
10:58:15.351	-9	0.00007	0.00022	0.00085	0.14	0.000014
10:58:16.351	-9	0.00008	0.00026	0.00104	0.158	0.000016
10:58:17.351	-9	0.00008	0.00023	0.00106	0.133	0.000013
10:58:18.351	-9	0.00007	0.00023	0.00101	0.118	0.000012
10:58:19.351	-9	0.00007	0.00021	0.00101	0.128	0.000013
10:58:20.351	-9	0.00007	0.00023	0.00094	0.169	0.000017
10:58:21.351	-9	0.00007	0.00022	0.00085	0.226	0.000022
10:58:22.351	-9	0.00007	0.00023	0.00113	0.33	0.000032
10:58:23.351	-9	0.00007	0.00023	0.0014	0.465	0.000045
10:58:24.351	-9	0.00007	0.00023	0.00144	0.619	0.00006
10:58:25.351	-9	0.00007	0.00024	0.00132	0.772	0.000075
10:58:26.351	-9	0.00008	0.00026	0.00125	1.009	0.000098
10:58:27.351	-9	0.00008	0.00029	0.00116	1.093	0.000106
10:58:28.351	-9	0.00007	0.00025	0.00127	1.068	0.000104
10:58:29.351	-9	0.00009	0.00029	0.00119	1.34	0.00013
10:58:30.351	-9	0.00015	0.00052	0.00185	2.595	0.000251
10:58:31.351	-9	0.00026	0.00085	0.00409	5.136	0.000497
10:58:32.351	-9	0.00027	0.00079	0.00424	5.938	0.000575
10:58:33.351	-9	0.00021	0.00038	0.00142	2.993	0.000289
10:58:34.351	-9	0.00024	0.0004	0.00143	2.848	0.000276
10:58:35.351	-9	0.00015	0.00023	0.00097	1.481	0.000143
10:58:36.351	-9	0.00014	0.00025	0.00094	1.224	0.000119
10:58:37.351	-9	0.00012	0.00024	0.00082	0.896	0.000087
10:58:38.351	-9	0.0001	0.00022	0.0008	0.674	0.000065
10:58:39.351	-9	0.00009	0.00023	0.00094	0.539	0.000052
10:58:40.351	-9	0.00008	0.00022	0.00101	0.474	0.000046
10:58:41.351	-9	0.00008	0.00023	0.00111	0.489	0.000048
10:58:42.351	-9	0.00008	0.00021	0.00119	0.55	0.000054
10:58:43.351	-9	0.00008	0.00022	0.00111	0.659	0.000064
10:58:44.351	-9	0.00007	0.00022	0.00115	0.79	0.000077

23.1	3.80E+00	3.500	1.200	2.841	0.974	41.600
24.7	3.80E+00	3.500	1.200	2.828	0.970	44.900
24.7	3.80E+00	3.500	1.200	2.826	0.969	44.000
24.8	3.80E+00	3.500	1.200	2.835	0.972	45.400
26.1	3.80E+00	3.500	1.200	2.859	0.980	44.000
25.5	4.00E+00	3.600	1.200	2.979	0.993	46.400
25.5	4.00E+00	3.600	1.200	2.994	0.998	46.700
24.7	3.80E+00	3.500	1.100	2.918	0.917	43.000
24.7	3.80E+00	3.500	1.100	2.920	0.918	43.000
24.5	3.80E+00	3.500	1.100	2.920	0.918	40.000
24.4	3.80E+00	3.500	1.100	2.920	0.918	41.600
22.9	3.80E+00	3.500	1.100	2.923	0.919	40.600
22.8	3.90E+00	3.500	1.200	2.936	1.007	37.700
21.5	4.00E+00	3.600	1.200	3.036	1.013	42.300
21.5	4.10E+00	3.600	1.200	3.056	1.019	39.000
20.7	4.00E+00	3.500	1.200	2.982	1.022	41.200
20.6	4.00E+00	3.500	1.200	2.988	1.024	38.800
18.2	4.00E+00	3.500	1.200	2.990	1.025	41.000
18	3.90E+00	3.400	1.200	2.907	1.026	39.800
12.5	3.90E+00	3.300	1.200	2.824	1.026	39.300
12.5	3.90E+00	3.300	1.200	2.824	1.027	41.000
12.3	3.80E+00	3.300	1.200	2.822	1.026	38.000
8.4	3.80E+00	3.200	1.200	2.733	1.024	41.500
8.2	3.70E+00	3.200	1.200	2.723	1.021	39.500
4.5	3.70E+00	3.200	1.200	2.709	1.016	41.500
0	3.70E+00	3.200	1.200	2.690	1.009	40.800
0	3.70E+00	3.200	1.200	2.669	1.001	41.500
0	3.60E+00	3.200	1.200	2.649	0.993	41.800
0	3.60E+00	3.200	1.200	2.630	0.986	41.000
0	3.60E+00	3.200	1.200	2.622	0.983	44.700
0.1	3.60E+00	3.200	1.200	2.618	0.982	41.500
2.9	3.50E+00	3.100	1.200	2.532	0.980	40.000
2.9	3.50E+00	3.100	1.200	2.521	0.976	39.300
3	3.50E+00	3.100	1.200	2.499	0.967	37.400
5.4	3.70E+00	3.400	1.200	2.699	0.955	35.900
10.7	5.80E+00	5.900	1.400	4.675	1.111	34.600
10.8	6.60E+00	6.700	1.600	5.341	1.275	37.200
13.1	6.80E+00	6.800	1.700	5.477	1.369	35.800
13.1	6.40E+00	6.200	1.700	5.061	1.388	37.800
13	5.60E+00	5.100	1.700	4.225	1.406	36.800
10.5	5.10E+00	4.500	1.600	3.751	1.335	36.900
10.4	4.70E+00	4.000	1.600	3.353	1.341	40.300
7.3	4.50E+00	3.800	1.500	3.194	1.261	38.500
3.3	4.30E+00	3.600	1.500	3.027	1.260	40.700
3.2	4.20E+00	3.500	1.500	2.931	1.256	37.000
1.7	4.00E+00	3.300	1.500	2.748	1.249	37.900
1.7	4.00E+00	3.300	1.500	2.730	1.241	37.900

192.2	35.89606	1872	23.6	46.8	262.46629	272.235691
192.2	25.42633	1417	24.781	50.5	264.337358	274.2
192.2	23.3409	1420	24.84	38.8	264.473208	269.785236
192.2	12.99281	1422	24.84	18.4	262.018163	260.322642
192.2	16.23882	1393	24.269	24.5	258.555299	252.309854
	22.53362	1374	24.22	11.7	257.590329	246.088393
	21.58209	1350	23.6	21	256.384104	240.551051
	21.06111	1349	23.6	20.7	254.897407	236.287941
	20.40261	1321	22.98	21.2	254.373727	232.432518
	15.51572	1297	22.904	0	253.6342	226.053846
	11.97475	1257	22.284	0	251.979961	220.128272
	11.65146	1224	21.656	0	250.749712	215.02619
	11.24	1191	21.062	0	248.748173	210.779093
	10.57699	1157	20.429	0	246.956869	206.922814
	10.42014	1115	19.824	0	246.092486	203.5253
192.2	10.6623	1195	18.598	0	245.082486	200.403526
192.2	11.40156	1250	16.756	0.2	245.997811	197.591295
192.2	10.10291	1042	13.968	7.1	251.736364	194.578791
192.2	14.34622	921	11.472	18.5	250.1716	192.621125
192.2	11.73344	857	9.443	18.5	249.405769	190.350149
	11.14393	809	7.477	36.8	244.384	189.200588
	11.68099	804	5.642	43.3	246.203727	191.011
	12.17225	816	3.837	49	246.764167	194.009602
	11.50665	802	1.886	53.3	246.002556	197.072745
	12.04864	788	0.697	51.7	248.37	201.760258
192.2	12.21115	781	0	50.2	250.234304	205.524348
192.2	12.15767	781	0	49.6	243.782005	208.936156
192.2	12.04	778	0	49.7	239.93209	211.502211
192.2	12.46305	875	0	62.6	235.887905	214.054773
192.2	14.10379	870	1.57	51.2	236.606947	217.112871
	12.27198	787	2.48	45.8	238.28988	218.807371
	13.36061	903	3.11	65.5	239.604481	221.000798
	26.74549	1401	4.952	83.9	241.671875	229.653711
	55.9098	1853	8.079	79.6	249.100415	253.734452
	48.73378	1976	10.531	72.3	266.228571	281.86942
192.2	37.7	1522	12.42	21.9	271.628151	286.844239
192.2	29.13	1405	12.42	29.9	267.010155	273.9832
192.2	12.108	1168	11.461	0	259.152244	260.579725
192.2	12.18143	923	9.952	19.1	255.18156	249.616062
192.1	12.6883	810	7.847	26.3	253.532453	240.787567
191.7	12.37538	810	6.622	39.9	252.552975	234.872727
191.4	12.57713	817	4.565	45.2	251.867052	231.27577
191	11.56493	761	2.252	53.4	251.190798	229.420412
190.6	12.38313	807	1.86	55.8	253.294338	229.1
190.4	12.30317	784	1.24	50.2	252.089312	230.278585
190.4	12.10075	780	0.62	49.3	251.872832	230.988264
190.4	12.16594	782	0.317	48.9	252.924656	230.57927

0.67993	0.73007	6.48118	10189.796
0.68009	0.73065	6.4835	10192.6
0.68023	0.73113	6.48543	10194.984
0.68032	0.73146	6.48655	10196.51
0.68045	0.73191	6.48786	10198.35
0.68059	0.73239	6.4892	10199.779
0.68072	0.73287	6.491	10200.988
0.68085	0.7333	6.49294	10202.1
0.68097	0.73372	6.49486	10203.155
0.68107	0.73402	6.49634	10203.967
0.68115	0.73428	6.49749	10204.646
0.68122	0.73451	6.49839	10205.25
0.68129	0.73472	6.49925	10205.743
0.68136	0.73494	6.49989	10206.1
0.68143	0.73513	6.50069	10206.347
0.6815	0.73535	6.50148	10206.541
0.68157	0.73556	6.5022	10206.698
0.68164	0.73578	6.50305	10206.838
0.68172	0.73604	6.50409	10206.996
0.6818	0.73627	6.50515	10207.129
0.68187	0.7365	6.50616	10207.247
0.68194	0.73671	6.50717	10207.375
0.68201	0.73694	6.50811	10207.544
0.68208	0.73716	6.50896	10207.77
0.68215	0.73739	6.51009	10208.1
0.68222	0.73762	6.51149	10208.565
0.68229	0.73785	6.51293	10209.184
0.68236	0.73809	6.51425	10209.956
0.68244	0.73835	6.5155	10210.965
0.68252	0.73864	6.51666	10212.058
0.68259	0.73889	6.51793	10213.126
0.68268	0.73918	6.51912	10214.466
0.68283	0.7397	6.52097	10217.061
0.68309	0.74055	6.52506	10222.197
0.68336	0.74134	6.5293	10228.135
0.68357	0.74172	6.53072	10231.128
0.68381	0.74212	6.53215	10233.976
0.68396	0.74235	6.53312	10235.457
0.6841	0.7426	6.53406	10236.681
0.68422	0.74284	6.53488	10237.577
0.68432	0.74306	6.53568	10238.251
0.68441	0.74329	6.53662	10238.79
0.68449	0.74351	6.53763	10239.264
0.68457	0.74374	6.53874	10239.753
0.68465	0.74395	6.53993	10240.303
0.68473	0.74417	6.54104	10240.962
0.6848	0.74439	6.54219	10241.752

10:58:45.351	-9	0.00007	0.00022	0.00135	0.932	0.00009
10:58:46.351	-9	0.00007	0.00024	0.001	1.028	0.0001
10:58:47.351	-9	0.00007	0.00022	0.00091	1.075	0.000104
10:58:48.351	-9	0.00008	0.00026	0.00095	1.151	0.000112
10:58:49.351	-9	0.00009	0.00028	0.00107	1.304	0.000126
10:58:50.351	-9	0.00009	0.0003	0.00114	1.399	0.000136
10:58:51.351	-9	0.00017	0.00057	0.0024	2.857	0.000277
10:58:52.351	-9	0.00029	0.0009	0.00545	5.858	0.000567
10:58:53.351	-9	0.00029	0.00086	0.00474	6.216	0.000601
10:58:54.351	-9	0.00033	0.00075	0.00352	5.975	0.000578
10:58:55.351	-9	0.00036	0.00077	0.00298	5.678	0.000549
10:58:56.351	-9	0.00038	0.00078	0.00315	6.006	0.000581
10:58:57.351	-9	0.00036	0.00076	0.00283	6.058	0.000586
10:58:58.351	-9	0.00031	0.00068	0.00196	5.397	0.000522
10:58:59.351	-9	0.00024	0.00052	0.00173	4.097	0.000396
10:59:00.351	-9	0.00013	0.00031	0.00108	2.203	0.000213
10:59:01.351	-9	0.00009	0.0002	0.00085	1.515	0.000146
10:59:02.351	-9	0.0001	0.00027	0.00098	1.736	0.000168
10:59:03.351	-9	0.00011	0.00028	0.00079	1.5	0.000145
10:59:04.351	-9	0.00014	0.0004	0.00096	1.453	0.000141
10:59:05.351	-9	0.00019	0.00058	0.00316	2.303	0.000223
10:59:06.351	-9	0.00028	0.00086	0.00574	4.913	0.000476
10:59:07.351	-9	0.00031	0.00094	0.00556	7.029	0.00068
10:59:08.351	-9	0.00034	0.00095	0.00431	7.912	0.000765
10:59:09.351	-9	0.0004	0.00108	0.00377	8.566	0.000828
10:59:10.351	-9	0.00047	0.00117	0.00502	9.705	0.000938
10:59:11.351	-9	0.00049	0.00125	0.00428	10.343	0.000999
10:59:12.351	-9	0.00053	0.00134	0.00427	10.711	0.001035
10:59:13.351	-9	0.00056	0.00134	0.00462	10.665	0.00103
10:59:14.351	-9	0.00055	0.00137	0.00477	10.153	0.000981
10:59:15.351	-9	0.00043	0.00098	0.00377	7.75	0.000749
10:59:16.351	-9	0.00039	0.00097	0.00377	6.888	0.000666
10:59:17.351	-9	0.00036	0.00081	0.00344	6.383	0.000617
10:59:18.351	-9	0.00028	0.00065	0.00252	5.035	0.000487
10:59:19.351	-9	0.00025	0.00063	0.00193	4.218	0.000408
10:59:20.351	-9	0.00022	0.00059	0.0017	3.371	0.000326
10:59:21.351	-9	0.00024	0.00069	0.00238	3.488	0.000338
10:59:22.351	-9	0.00027	0.00073	0.00324	4.016	0.000389
10:59:23.351	-9	0.00027	0.00075	0.00297	4.282	0.000414
10:59:24.351	-9	0.00026	0.00067	0.00243	4.395	0.000425
10:59:25.351	-9	0.00023	0.00064	0.00205	4.09	0.000396
10:59:26.351	-9	0.0002	0.00057	0.00179	3.498	0.000338
10:59:27.351	-9	0.0002	0.00059	0.00188	3.32	0.000321
10:59:28.351	-9	0.00018	0.00059	0.00208	2.871	0.000278
10:59:29.351	-9	0.00014	0.00047	0.00171	2.168	0.00021
10:59:30.351	-9	0.0001	0.00036	0.00105	1.419	0.000138
10:59:31.351	-9	0.00009	0.00028	0.00098	1.185	0.000115

0.7	3.90E+00	3.300	1.500	2.710	1.232	38.500
0.7	3.80E+00	3.200	1.500	2.617	1.227	41.300
0	3.80E+00	3.200	1.500	2.611	1.224	38.300
0	3.80E+00	3.200	1.500	2.610	1.223	42.000
0	3.80E+00	3.100	1.500	2.528	1.223	40.000
0.1	3.70E+00	3.100	1.500	2.527	1.223	40.500
2.8	3.70E+00	3.000	1.500	2.438	1.219	40.100
3	3.60E+00	3.000	1.500	2.406	1.203	37.500
7.5	3.80E+00	3.300	1.500	2.616	1.192	38.100
7.8	4.70E+00	4.300	1.600	3.395	1.265	35.500
13.1	5.40E+00	5.100	1.700	4.038	1.347	38.600
13.2	5.50E+00	5.100	1.800	4.039	1.426	37.200
15.9	5.40E+00	5.100	1.800	4.015	1.417	38.200
16	5.30E+00	5.000	1.800	3.934	1.416	38.600
18.2	5.30E+00	4.900	1.800	3.862	1.418	38.600
18.2	5.20E+00	4.800	1.800	3.793	1.422	41.100
18.3	5.10E+00	4.600	1.800	3.647	1.427	38.000
18.1	4.80E+00	4.200	1.800	3.348	1.434	41.800
14.4	4.60E+00	3.900	1.800	3.160	1.458	39.400
14.3	4.40E+00	3.600	1.700	2.974	1.404	40.500
10.6	4.00E+00	3.300	1.500	2.717	1.236	39.100
10.6	3.80E+00	3.200	1.500	2.586	1.212	38.000
10.7	3.70E+00	3.200	1.500	2.535	1.188	37.900
10.8	3.90E+00	3.400	1.600	2.673	1.259	36.600
13.7	4.30E+00	3.800	1.700	2.984	1.334	39.000
13.8	4.70E+00	4.300	1.700	3.364	1.331	38.500
15.5	4.70E+00	4.300	1.700	3.362	1.329	39.500
15.6	4.80E+00	4.500	1.700	3.515	1.329	40.500
18.4	5.10E+00	4.800	1.700	3.756	1.331	40.100
18.5	5.20E+00	4.900	1.700	3.842	1.333	42.600
20.6	5.20E+00	4.900	1.700	3.846	1.334	39.400
20.7	5.30E+00	4.900	1.800	3.852	1.415	43.000
22.2	5.30E+00	4.900	1.800	3.848	1.413	39.300
22.2	5.20E+00	4.800	1.800	3.771	1.414	39.600
23.1	5.10E+00	4.600	1.800	3.640	1.424	42.200
23.1	5.00E+00	4.400	1.800	3.516	1.438	44.000
22.9	4.90E+00	4.300	1.800	3.456	1.447	46.200
22.9	4.80E+00	4.200	1.800	3.373	1.445	42.800
23.2	4.70E+00	4.100	1.800	3.280	1.439	43.400
23.2	4.60E+00	4.000	1.800	3.188	1.434	39.800
23.8	4.50E+00	3.900	1.800	3.106	1.433	41.200
23.8	4.40E+00	3.700	1.800	2.950	1.435	42.100
24.2	4.40E+00	3.700	1.800	2.960	1.440	43.400
24.2	4.30E+00	3.600	1.800	2.889	1.445	48.600
24.6	4.40E+00	3.600	1.800	2.905	1.453	47.000
24.6	4.30E+00	3.500	1.800	2.841	1.461	50.300
23.7	4.20E+00	3.400	1.700	2.769	1.385	43.800

190.4	11.9868	778	0	49.4	249.832218	231.08979
190.4	12.15417	789	0	49.2	249.248	230.5
190.6	12.43812	796	0	47.9	249.321118	230.5
191	12.11427	791	0.023	59.3	246.836186	230.62913
191.4	14.95444	938	1.368	58.1	245.528469	231.842225
191.8	14.28125	921	2.743	48.8	243.24	233.022882
192.2	26.08373	1292	4.178	89.3	244.521281	240.213138
192.2	58.78787	1836	7.335	63.3	250.166635	263.93395
192.2	48.88208	1808	10.44	68.1	259.771293	290.066372
192.2	43.35184	1792	12.965	77.2	266.29	305.514388
192.2	40.38364	1822	14.223	77.2	269.170888	314.496768
192.2	39.97375	1666	15.457	87.3	271.781887	322.762905
192.2	45.24395	1767	16.655	78.6	274.842396	334.558539
192.2	36.49027	1666	17.39	76.5	267.270765	340.4
192.2	25.18345	1555	18.01	66.1	259.874687	337.151308
192.2	13.1406	1240	17.062	32.8	248.304415	322.495643
192.2	9.93285	962	15.844	14.6	249.114489	305.854195
192.2	13.6714	840	13.276	21	245.991358	291.418298
192.2	13.91231	875	10.719	33.3	249.573351	279.946037
192.2	19.74455	1289	9.31	68.8	257.048684	273.73383
192.2	36.5667	1498	9.31	76.5	257.487857	281.478942
	52.52626	1764	10.143	72.1	263.263804	300.681613
	51.43475	1847	11.98	76	271.62247	325.896739
	52.75857	1910	13.21	79.2	276.7389	344.09449
	56.50909	1933	14.461	83.8	283.179022	358.694216
	64.19992	1952	15.695	78.9	287.600706	376.991935
192.2	65.98638	1986	17.067	77.4	313.910714	395.355435
192.2	66.97281	2024	18.43	76.9	306.801734	406.229022
192.2	65.36411	2034	19.25	76.9	311.07045	413.900408
192.2	65.44356	2050	20.49	74.9	294.890548	418.835224
	54.7473	1876	21.672	74.7	299.988091	419.085785
	45.01963	1605	21.73	80.4	300.548654	415.691992
	43.85324	1652	22.274	80	300.26569	413.8
	23.51712	1658	22.36	52.2	302.510663	403.75139
	27.97008	1636	22.36	53.6	294.287335	387.417272
194	26.20926	1631	21.833	44	287.223898	371.9875
194	29.57595	1624	21.73	59.4	271.073864	360.231121
194	34.6244	1637	22.36	65.8	268.902079	356.604808
194	33.85448	1665	22.501	65.3	260.490921	356.622388
194	35.36092	1693	22.98	63.5	258.63263	357.412181
	32.64194	1731	23.6	57.9	260.247399	356.45964
	28.514	1742	23.6	51.1	261.839372	351.419648
	27.94336	1742	23.6	49.2	263.195841	344.013935
	24.92	1515	23.6	39.2	261.379633	332.093292
	20.5928	1315	23.425	24.8	261.328846	321.785034
192.2	12.14683	1281	22.36	0	260.647143	307.794059
192.2	11.61373	1228	21.583	3.4	256.722222	294.8907

0.68487	0.74461	6.54354	10242.684
0.68494	0.74485	6.54454	10243.712
0.68501	0.74507	6.54545	10244.787
0.68509	0.74533	6.5464	10245.938
0.68518	0.74561	6.54747	10247.242
0.68527	0.74591	6.54861	10248.641
0.68544	0.74648	6.55101	10251.498
0.68573	0.74738	6.55646	10257.356
0.68602	0.74824	6.5612	10263.572
0.68635	0.74899	6.56472	10269.547
0.68671	0.74976	6.5677	10275.225
0.68709	0.75054	6.57085	10281.231
0.68745	0.7513	6.57368	10287.289
0.68776	0.75198	6.57564	10292.686
0.688	0.7525	6.57737	10296.783
0.68813	0.75281	6.57845	10298.986
0.68822	0.75301	6.5793	10300.501
0.68832	0.75328	6.58028	10302.237
0.68843	0.75356	6.58107	10303.737
0.68857	0.75396	6.58203	10305.19
0.68876	0.75454	6.58519	10307.493
0.68904	0.7554	6.59093	10312.406
0.68935	0.75634	6.59649	10319.435
0.68969	0.75729	6.6008	10327.347
0.69009	0.75837	6.60457	10335.913
0.69056	0.75954	6.60959	10345.618
0.69105	0.76079	6.61387	10355.961
0.69158	0.76213	6.61814	10366.672
0.69214	0.76347	6.62276	10377.337
0.69269	0.76484	6.62753	10387.49
0.69312	0.76582	6.6313	10395.24
0.69351	0.76679	6.63507	10402.128
0.69387	0.7676	6.63851	10408.511
0.69415	0.76825	6.64103	10413.546
0.6944	0.76888	6.64296	10417.764
0.69462	0.76947	6.64466	10421.135
0.69486	0.77016	6.64704	10424.623
0.69513	0.77089	6.65028	10428.639
0.6954	0.77164	6.65325	10432.921
0.69566	0.77231	6.65568	10437.316
0.69589	0.77295	6.65773	10441.406
0.69609	0.77352	6.65952	10444.904
0.69629	0.77411	6.6614	10448.224
0.69647	0.7747	6.66348	10451.095
0.69661	0.77517	6.66519	10453.263
0.69671	0.77553	6.66624	10454.682
0.6968	0.77581	6.66722	10455.867

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10:59:33.351	-9	0.00011	0.00036	0.00091	1.068	0.000104
10:59:34.351	-9	0.00011	0.00035	0.00133	0.8	0.000078
10:59:35.351	-9	0.00012	0.00041	0.00182	0.83	0.000081
10:59:36.351	-9	0.00011	0.00036	0.00167	0.844	0.000082
10:59:37.351	-9	0.00009	0.00028	0.00122	0.693	0.000067
10:59:38.351	-9	0.00007	0.00023	0.00101	0.626	0.000061
10:59:39.351	-9	0.00007	0.00022	0.00088	0.581	0.000056
10:59:40.351	-9	0.00008	0.00025	0.0009	0.537	0.000052
10:59:41.351	-9	0.00007	0.00022	0.00074	0.364	0.000035
10:59:42.351	-9	0.00008	0.00024	0.00092	0.296	0.000029
10:59:43.351	-9	0.00014	0.00043	0.00255	0.699	0.000068
10:59:44.351	-9	0.00029	0.00096	0.00736	3.309	0.000322
10:59:45.351	-9	0.0003	0.00101	0.00884	6.2	0.000601
10:59:46.351	-9	0.00028	0.00094	0.00505	6.606	0.000639
10:59:47.351	-9	0.00027	0.00082	0.00337	5.889	0.00057
10:59:48.351	-9	0.00023	0.00068	0.00267	4.926	0.000476
10:59:49.351	-9	0.00017	0.00052	0.00194	3.592	0.000347
10:59:50.351	-9	0.00014	0.00039	0.00154	2.874	0.000278
10:59:51.351	-9	0.00012	0.00034	0.00133	2.188	0.000212
10:59:52.351	-9	0.00009	0.00024	0.00119	1.433	0.000139
10:59:53.351	-9	0.00009	0.00023	0.00089	1.236	0.00012
10:59:54.351	-9	0.00009	0.00024	0.00079	1.048	0.000102
10:59:55.351	-9	0.00009	0.00024	0.00061	0.771	0.000075
10:59:56.351	-9	0.00008	0.00022	0.00064	0.53	0.000051
10:59:57.351	-9	0.00007	0.0002	0.00096	0.46	0.000045
10:59:58.351	-9	0.00009	0.00028	0.00114	0.547	0.000053
10:59:59.351	-9	0.00023	0.00066	0.00333	2.087	0.000203
11:00:00.351	-9	0.00028	0.00086	0.00637	4.478	0.000434
11:00:01.351	-9	0.00027	0.00083	0.00553	5.79	0.00056
11:00:02.351	-9	0.00023	0.00068	0.0033	5.277	0.00051
11:00:03.351	-9	0.00022	0.00069	0.00268	4.626	0.000447
11:00:04.351	-9	0.0002	0.00056	0.00287	4.087	0.000395
11:00:05.351	-9	0.00016	0.00048	0.00233	3.317	0.000321
11:00:06.351	-9	0.00014	0.00041	0.002	2.814	0.000272
11:00:07.351	-9	0.00013	0.00039	0.00184	2.477	0.00024
11:00:08.351	-9	0.00014	0.00042	0.00186	2.409	0.000233
11:00:09.351	-9	0.00015	0.00044	0.00173	2.483	0.00024
11:00:10.351	-9	0.00014	0.00046	0.00177	2.352	0.000228
11:00:11.351	-9	0.00008	0.00025	0.00093	1.395	0.000135
11:00:12.351	-9	0.00008	0.00029	0.00102	1.581	0.000153
11:00:13.351	-9	0.00008	0.00026	0.00092	1.461	0.000141
11:00:14.351	-9	0.00008	0.00025	0.00078	1.152	0.000112
11:00:15.351	-9	0.00008	0.00026	0.00071	0.938	0.000091
11:00:16.351	-9	0.00016	0.00051	0.00104	1.562	0.000151
11:00:17.351	-9	0.00024	0.00078	0.00583	3.346	0.000325
11:00:18.351	-9	0.00028	0.0009	0.00663	6.033	0.000584

23.7	4.20E+00	3.400	1.700	2.777	1.389	41.000
23.6	4.10E+00	3.200	1.700	2.654	1.409	42.600
21.8	3.90E+00	3.000	1.700	2.512	1.422	41.800
20.5	3.90E+00	3.000	1.600	2.515	1.342	43.500
20.4	3.80E+00	2.900	1.600	2.428	1.339	39.400
19.3	3.80E+00	2.900	1.600	2.422	1.336	40.400
19.2	3.80E+00	2.900	1.600	2.419	1.335	38.100
17.3	3.80E+00	2.900	1.600	2.422	1.336	39.100
17.1	3.70E+00	2.800	1.600	2.352	1.344	38.700
11.7	3.70E+00	2.800	1.600	2.366	1.352	36.600
11.5	3.70E+00	2.800	1.600	2.375	1.357	38.500
5.6	3.70E+00	2.800	1.600	2.366	1.352	37.000
5.7	3.60E+00	2.800	1.600	2.313	1.322	39.900
7.1	3.50E+00	2.700	1.600	2.168	1.284	38.000
7.3	3.50E+00	2.800	1.600	2.224	1.271	38.300
13.1	3.80E+00	3.100	1.700	2.449	1.347	38.500
13.1	4.00E+00	3.300	1.700	2.611	1.348	38.000
13.3	4.00E+00	3.400	1.700	2.694	1.347	40.000
16.9	4.10E+00	3.500	1.700	2.771	1.347	37.700
18.1	4.10E+00	3.500	1.700	2.790	1.355	40.700
18.1	4.20E+00	3.500	1.700	2.814	1.367	38.200
17.1	4.10E+00	3.400	1.700	2.759	1.380	37.700
17	4.20E+00	3.400	1.700	2.788	1.394	37.900
13.8	4.10E+00	3.400	1.600	2.821	1.327	38.200
13.7	4.10E+00	3.300	1.600	2.762	1.339	39.000
10.1	4.00E+00	3.200	1.600	2.686	1.343	36.800
10	4.00E+00	3.200	1.500	2.692	1.262	38.900
6.4	3.90E+00	3.200	1.500	2.659	1.246	37.200
6.5	3.70E+00	3.100	1.500	2.517	1.218	37.800
9.2	3.70E+00	3.100	1.600	2.463	1.270	38.300
9.4	3.70E+00	3.100	1.600	2.454	1.267	36.000
14	3.80E+00	3.200	1.600	2.542	1.271	40.100
14.1	3.90E+00	3.300	1.600	2.623	1.272	36.600
16.5	4.00E+00	3.400	1.600	2.702	1.272	38.800
16.5	4.00E+00	3.400	1.600	2.705	1.273	38.600
17.8	3.90E+00	3.300	1.600	2.634	1.277	40.200
17.8	3.90E+00	3.300	1.600	2.653	1.287	40.200
17.8	3.90E+00	3.300	1.600	2.658	1.289	40.000
17.8	3.90E+00	3.300	1.600	2.655	1.287	44.000
17.8	3.90E+00	3.300	1.500	2.650	1.206	41.000
18.1	3.80E+00	3.200	1.500	2.569	1.204	43.500
15.3	3.80E+00	3.200	1.500	2.575	1.207	40.400
15.1	3.80E+00	3.200	1.500	2.604	1.221	40.800
10.6	3.80E+00	3.100	1.500	2.558	1.237	40.600
10.5	3.70E+00	3.000	1.500	2.495	1.246	39.000
8.9	3.70E+00	3.000	1.500	2.453	1.226	40.300
9	3.60E+00	3.000	1.500	2.395	1.197	37.800

192.2	11.31692	1188	20.914	17.9	255.542514	286.369392
192.2	18.22692	1143	19.87	18.9	251	278.672297
192.2	16.99536	1122	19.558	20.7	251.979206	271.864579
192.2	19.98505	1298	18.957	22.7	252.494231	266.847059
192.2	20.93536	1346	18.301	13.3	251.833577	261.150538
192.2	11.96643	1277	17.39	0.2	251.751524	253.398936
192.2	11.08608	1201	16.305	0	251.764172	246.704819
192.2	10.3568	1031	14.035	8.6	251.739315	241.667121
192.2	13.96216	863	10.363	19.2	252.366053	237.833202
192.2	11.70028	794	7.103	28.6	250.257576	234.3
192.2	12.41808	829	4.395	42.5	249.271739	235.058442
192.2	19.31715	1240	4.97	89.9	245.691977	240.935766
192.2	49.69743	1820	7.37	86.8	253.319632	268.25078
192.2	56.28981	1983	10.091	71	263.978927	301.559341
192.2	48.22298	1874	12.815	79	266.528269	326.407582
192.2	44.16003	1777	14.594	77.1	263.364529	337.459001
192.2	38.01286	1670	16.476	77.4	266.604621	343.163462
192.2	21.7542	1465	17.39	63.8	268.666445	341.588063
192.2	20.44794	1365	17.39	34.9	271.367681	329.213274
192.2	23.4975	1132	16.77	12.6	267.897625	314.260152
192.2	9.59443	963	16.233	13.5	272.047006	298.676703
192.2	10.68182	862	14.252	17.9	272.115275	287.535675
192.2	12.99702	833	12.721	24.4	271.961954	277.306522
192.2	12.83461	944	10.97	16.1	268.938	268.319617
192.2	11.45171	848	9.125	23.7	265.568485	259.769231
192.2	11.12145	792	7.049	39.8	262.616633	254.023438
192.2	12.8526	934	5.59	46.2	260.133333	251.499448
192.2	38.99896	1587	6.757	73.8	261.763563	262.895489
192.2	56.0116	1916	9.154	72.6	276.163868	292.339806
192.2	48.00479	1796	11.896	76.4	291.263673	315.744272
192.2	36.33683	1742	13.481	72.1	293.850659	327.328339
192.2	34.02163	1585	14.748	75.5	296.936293	330.105706
192.2	29.52537	1541	16.11	72.8	292.819209	331.25876
192.2	26.5595	1458	16.715	62.9	294.291747	329.55964
192.2	21.60454	1365	16.77	45.5	289.986026	321.946667
192.2	20.59685	1374	16.77	56.9	281.326255	313.61987
192.2	22.31794	1394	16.956	54.9	282.084899	306.991977
192.2	23.68949	1421	17.39	55.8	281.035094	303.247964
192.2	24.73207	1410	17.39	46.9	280.360934	301.258386
192.2	10.74521	1111	16.24	19	280.102454	292.282665
192.2	15.07479	881	13.813	20	278.040256	281.189356
192.2	13.36688	851	11.223	15.1	276.815711	272.2967
192.2	12.24589	863	9.851	15.6	273.871608	264.057328
192.2	11.85563	855	8.594	36	271.370668	256.492191
192.2	22.12208	1326	8.378	88.6	266.130769	259.040435
192.2	47.06665	1666	10.373	72.7	275.081382	281.035878
192.2	50.97525	1860	12.69	75.4	285.671887	308.066239

0.69689	0.77608	6.66821	10457.052
0.697	0.77644	6.66912	10458.12
0.69711	0.77679	6.67045	10458.92
0.69723	0.7772	6.67227	10459.75
0.69734	0.77756	6.67394	10460.594
0.69743	0.77784	6.67516	10461.287
0.6975	0.77807	6.67617	10461.913
0.69757	0.77829	6.67705	10462.494
0.69765	0.77854	6.67795	10463.031
0.69772	0.77876	6.67869	10463.395
0.6978	0.779	6.67961	10463.691
0.69794	0.77943	6.68216	10464.39
0.69823	0.78039	6.68952	10467.699
0.69853	0.7814	6.69836	10473.899
0.69881	0.78234	6.70341	10480.505
0.69908	0.78316	6.70678	10486.394
0.69931	0.78384	6.70945	10491.32
0.69948	0.78436	6.71139	10494.912
0.69962	0.78475	6.71293	10497.786
0.69974	0.78509	6.71426	10499.974
0.69983	0.78533	6.71545	10501.407
0.69992	0.78556	6.71634	10502.643
0.70001	0.7858	6.71713	10503.691
0.7001	0.78604	6.71774	10504.462
0.70018	0.78626	6.71838	10504.992
0.70025	0.78646	6.71934	10505.452
0.70034	0.78674	6.72048	10505.999
0.70057	0.7874	6.72381	10508.086
0.70085	0.78826	6.73018	10512.564
0.70112	0.78909	6.73571	10518.354
0.70135	0.78977	6.73901	10523.631
0.70157	0.79046	6.74169	10528.257
0.70177	0.79102	6.74456	10532.344
0.70193	0.7915	6.74689	10535.661
0.70207	0.79191	6.74889	10538.475
0.7022	0.7923	6.75073	10540.952
0.70234	0.79272	6.75259	10543.361
0.70249	0.79316	6.75432	10545.844
0.70263	0.79362	6.75609	10548.196
0.70271	0.79387	6.75702	10549.591
0.70279	0.79416	6.75804	10551.172
0.70287	0.79442	6.75896	10552.633
0.70295	0.79467	6.75974	10553.785
0.70303	0.79493	6.76045	10554.723
0.70319	0.79544	6.76149	10556.285
0.70343	0.79622	6.76732	10559.631
0.70371	0.79712	6.77395	10565.664

11:00:19.351	-9	0.0003	0.00096	0.00497	7.079	0.000685
11:00:20.351	-9	0.00026	0.00081	0.00314	6.108	0.00059
11:00:21.351	-9	0.00023	0.00071	0.00233	4.909	0.000475
11:00:22.351	-9	0.0002	0.00063	0.00253	4.087	0.000395
11:00:23.351	-9	0.00016	0.00047	0.00126	3.05	0.000295
11:00:24.351	-9	0.00015	0.00048	0.0013	2.677	0.000259
11:00:25.351	-9	0.00014	0.00044	0.00159	2.295	0.000222
11:00:26.351	-9	0.00012	0.0004	0.00145	1.624	0.000157
11:00:27.351	-9	0.00009	0.00027	0.0009	1.022	0.000099
11:00:28.351	-9	0.00007	0.00024	0.00088	0.811	0.000079
11:00:29.351	-9	0.00008	0.00026	0.00118	0.824	0.00008
11:00:30.351	-9	0.00008	0.00026	0.00124	0.716	0.00007
11:00:31.351	-9	0.00008	0.00025	0.00089	0.535	0.000052
11:00:32.351	-9	0.00007	0.00023	0.00068	0.422	0.000041
11:00:33.351	-9	0.00007	0.00024	0.00091	0.42	0.000041
11:00:34.351	-9	0.00007	0.00022	0.0009	0.416	0.00004
11:00:35.351	-9	0.00007	0.00023	0.0009	0.45	0.000044
11:00:36.351	-9	0.00007	0.00024	0.00104	0.532	0.000052
11:00:37.351	-9	0.00007	0.00023	0.00107	0.682	0.000066
11:00:38.351	-9	0.00007	0.00025	0.00104	0.844	0.000082
11:00:39.351	-9	0.00007	0.00023	0.00109	0.957	0.000093
11:00:40.351	-9	0.00007	0.00026	0.001	1.025	0.000099
11:00:41.351	-9	0.00007	0.00025	0.00091	1.046	0.000101
11:00:42.351	-9	0.00007	0.00025	0.00089	1.049	0.000102
11:00:43.351	-9	0.00008	0.00026	0.00095	1.055	0.000102
11:00:44.351	-9	0.00008	0.00025	0.00101	1.063	0.000103
11:00:45.351	-9	0.00008	0.00026	0.00102	1.071	0.000104
11:00:46.351	-9	0.00008	0.00024	0.00101	1.068	0.000104
11:00:47.351	-9	0.00008	0.00027	0.00102	1.08	0.000105
11:00:48.351	-9	0.00008	0.00025	0.00102	1.088	0.000105
11:00:49.351	-9	0.00008	0.00025	0.00102	1.082	0.000105
11:00:50.351	-9	0.00008	0.00025	0.00101	1.076	0.000104
11:00:51.351	-9	0.00008	0.00025	0.001	1.077	0.000104
11:00:52.351	-9	0.00008	0.00026	0.00101	1.079	0.000105
11:00:53.351	-9	0.00007	0.00024	0.00099	1.068	0.000104
11:00:54.351	-9	0.00007	0.00025	0.00098	1.058	0.000103
11:00:55.351	-9	0.00007	0.00025	0.001	1.073	0.000104
11:00:56.351	-9	0.00007	0.00026	0.001	1.076	0.000104
11:00:57.351	-9	0.00007	0.00024	0.001	1.084	0.000105
11:00:58.351	-9	0.00007	0.00024	0.001	1.088	0.000105
11:00:59.351	-9	0.00007	0.00025	0.001	1.087	0.000105
11:01:00.351	-9	0.00008	0.00024	0.00105	1.148	0.000111
11:01:01.351	-9	0.00009	0.0003	0.0012	1.315	0.000127
11:01:02.351	-9	0.00009	0.00032	0.00128	1.442	0.00014
11:01:03.351	-9	0.00015	0.0005	0.00192	2.432	0.000236
11:01:04.351	-9	0.0002	0.00071	0.00344	3.995	0.000387
11:01:05.351	-9	0.00023	0.00075	0.00329	4.932	0.000477

13	3.70E+00	3.000	1.700	2.366	1.339	39.900
13	3.90E+00	3.100	1.800	2.438	1.415	40.000
13.2	4.00E+00	3.200	1.800	2.530	1.423	41.100
18.1	4.00E+00	3.300	1.800	2.619	1.429	42.100
19.7	4.10E+00	3.300	1.800	2.628	1.434	39.900
19.7	4.10E+00	3.300	1.800	2.640	1.440	44.000
19.6	4.10E+00	3.300	1.800	2.662	1.452	41.700
19.6	4.20E+00	3.300	1.800	2.693	1.469	44.000
19.1	4.00E+00	3.100	1.800	2.547	1.479	42.300
19	4.00E+00	3.000	1.800	2.475	1.485	43.100
16.6	4.00E+00	3.000	1.800	2.483	1.490	41.800
16.4	4.00E+00	3.000	1.800	2.496	1.498	40.600
12.5	3.90E+00	2.900	1.700	2.430	1.425	41.700
12.3	3.80E+00	2.800	1.700	2.357	1.431	40.400
7.6	3.80E+00	2.800	1.700	2.357	1.431	41.600
7.6	3.80E+00	2.800	1.700	2.357	1.431	39.800
7.4	3.80E+00	2.800	1.700	2.353	1.429	40.200
3.1	3.80E+00	2.800	1.700	2.343	1.423	41.600
0	3.90E+00	3.000	1.700	2.491	1.412	40.700
0	3.90E+00	3.000	1.700	2.472	1.401	44.000
0	3.90E+00	3.100	1.700	2.540	1.393	41.000
0	3.90E+00	3.100	1.700	2.532	1.389	44.600
0	3.90E+00	3.100	1.700	2.529	1.387	43.200
0	3.90E+00	3.100	1.700	2.529	1.387	43.700
0	3.90E+00	3.100	1.700	2.529	1.387	45.000
0	3.90E+00	3.100	1.700	2.529	1.387	42.700
0	3.90E+00	3.100	1.700	2.529	1.387	45.000
0	3.90E+00	3.100	1.700	2.528	1.386	42.000
0	4.00E+00	3.200	1.700	2.608	1.386	45.400
0	4.00E+00	3.200	1.700	2.609	1.386	43.100
0	4.00E+00	3.200	1.700	2.610	1.386	43.300
0	3.90E+00	3.200	1.600	2.609	1.306	43.500
0	3.90E+00	3.200	1.600	2.609	1.304	43.000
0	3.90E+00	3.200	1.600	2.609	1.304	45.000
0	3.90E+00	3.200	1.600	2.608	1.304	42.200
0	3.90E+00	3.200	1.600	2.608	1.304	44.300
0	3.80E+00	3.100	1.500	2.527	1.224	43.000
0	3.70E+00	3.100	1.500	2.527	1.223	45.200
0	3.70E+00	3.100	1.500	2.525	1.222	42.400
0	3.70E+00	3.100	1.500	2.525	1.222	40.900
0	3.70E+00	3.100	1.500	2.525	1.222	42.700
0	3.70E+00	3.100	1.500	2.525	1.222	40.100
0	3.70E+00	3.100	1.500	2.525	1.222	42.700
0	3.70E+00	3.100	1.500	2.525	1.222	41.900
0.1	3.70E+00	3.100	1.500	2.513	1.216	42.000
2.6	3.70E+00	3.100	1.500	2.485	1.203	42.900
6.7	3.70E+00	3.100	1.500	2.469	1.195	40.100

192.2	52.2428	1866	15.107	70.8	296.66875	331.385426
192.2	39.46659	1694	16.656	67.9	299.803791	343.907802
192.2	31.57362	1636	18.116	70.5	291.623774	345.301629
192.2	27.30831	1545	18.63	63.1	284.591908	340.99911
192.2	23.54925	1530	19.25	55.1	278.654528	334.744771
192.2	22.83603	1446	18.936	37.9	279.036226	322.662908
192.2	21.30971	1409	18.63	30.5	277.802454	307.46789
192.2	20.51469	1350	18.31	16.3	277.390226	295.761471
	11.85699	1031	17.707	3	277.069811	283.175248
	9.46269	946	16.47	11.1	275.123077	273.596697
	12.85296	842	13.978	19.2	274.675385	264.7784
	13.33694	855	11.416	23.8	274.471429	258.041692
	12.2115	852	9.304	20.1	273.739615	251.336255
192.2	11.76	793	6.598	36.9	272.119888	246.620946
192.2	12.47932	834	4.305	46.9	273.102219	245.8
192.2	11.30513	750	2.457	51.6	264.905789	244.794872
192.2	12.1742	798	1.583	53.8	260.875	247.693333
192.2	12.18821	781	0.23	50.4	262.124889	249.258307
192.2	12.19529	785	0	49.8	262.858157	250.235095
192.2	12.30351	780	0	48.3	263.313776	251.271471
192.2	12.22148	778	0	50.1	263.958947	251.6
192.2	12.09417	779	0	48.9	267.527639	251.6
192.2	12.03202	779	0	48.4	268.802312	252.123051
192.2	12.20085	780	0	48.8	269.101507	252.3
192.2	12.11029	779	0	48.1	268.536513	251.7736
192.2	12.00118	778	0	48.2	269.833639	251.6
192.2	12.01763	781	0	48.6	267.366491	251.6
192.2	12.02	781	0	48.9	266.272025	251
192.2	12.08406	782	0	49.2	265.274471	251
192.2	12.25364	778	0	48.1	262.78084	250.863823
192.2	12.12714	778	0	48.8	261.229532	250.3
192.2	12.15271	778	0	48.7	261.986154	250.3
192.2	12.05892	777	0	49	263.342264	249.940479
192.2	12.03973	780	0	49.7	262.976583	249.6
192.2	12.04061	776	0	48.3	264.07619	249.214634
192.2	11.91825	776	0	48.8	266.801321	248.473478
192.2	11.93583	778	0	49	267.336229	248.3
192.2	12.1912	779	0	48.9	266.083243	247.750047
192.2	12.14562	781	0	49.8	267.690909	247.6
192.2	12.1655	780	0	48.5	267.875102	247.077301
192.2	12.12177	778	0	48.8	265.7775	247
	12.31485	801	0	51.6	265.7743	246.431579
	14.31361	937	0.433	54.9	266.179271	246.960355
	15.54578	1041	2.276	58.9	266.505306	249.378235
	22.45557	1330	4.609	66.9	266.338	254.02838
	34.50447	1589	6.642	67.4	267.338075	267.092087
192.2	41.29471	1903	8.493	62.8	268.253254	283.3945

0.70401	0.79808	6.77892	10572.743
0.70427	0.79889	6.78206	10578.851
0.7045	0.7996	6.78439	10583.76
0.7047	0.80023	6.78692	10587.847
0.70486	0.8007	6.78818	10590.897
0.70501	0.80118	6.78948	10593.574
0.70515	0.80162	6.79107	10595.869
0.70527	0.80202	6.79252	10597.493
0.70536	0.80229	6.79342	10598.515
0.70543	0.80253	6.7943	10599.326
0.70551	0.80279	6.79548	10600.15
0.70559	0.80305	6.79672	10600.866
0.70567	0.8033	6.79761	10601.401
0.70574	0.80353	6.79829	10601.823
0.70581	0.80377	6.7992	10602.243
0.70588	0.80399	6.8001	10602.659
0.70595	0.80422	6.801	10603.109
0.70602	0.80446	6.80204	10603.641
0.70609	0.80469	6.80311	10604.323
0.70616	0.80494	6.80415	10605.167
0.70623	0.80517	6.80524	10606.124
0.7063	0.80543	6.80624	10607.149
0.70637	0.80568	6.80715	10608.195
0.70644	0.80593	6.80804	10609.244
0.70652	0.80619	6.80899	10610.299
0.7066	0.80644	6.81	10611.362
0.70668	0.8067	6.81102	10612.433
0.70676	0.80694	6.81203	10613.501
0.70684	0.80721	6.81305	10614.581
0.70692	0.80746	6.81407	10615.669
0.707	0.80771	6.81509	10616.751
0.70708	0.80796	6.8161	10617.827
0.70716	0.80821	6.8171	10618.904
0.70724	0.80847	6.81811	10619.983
0.70731	0.80871	6.8191	10621.051
0.70738	0.80896	6.82008	10622.109
0.70745	0.80921	6.82108	10623.182
0.70752	0.80947	6.82208	10624.258
0.70759	0.80971	6.82308	10625.342
0.70766	0.80995	6.82408	10626.43
0.70773	0.8102	6.82508	10627.517
0.70781	0.81044	6.82613	10628.665
0.7079	0.81074	6.82733	10629.98
0.70799	0.81106	6.82861	10631.422
0.70814	0.81156	6.83053	10633.854
0.70834	0.81227	6.83397	10637.849
0.70857	0.81302	6.83726	10642.781

11:01:06.351	-9	0.00022	0.00075	0.00245	4.465	0.000432
11:01:07.351	-9	0.00021	0.00069	0.00243	4.081	0.000395
11:01:08.351	-9	0.00022	0.00067	0.00256	3.86	0.000374
11:01:09.351	-9	0.00021	0.00056	0.00218	3.331	0.000322
11:01:10.351	-9	0.00018	0.00048	0.0013	2.654	0.000257
11:01:11.351	-9	0.00015	0.00044	0.00141	2.183	0.000211
11:01:12.351	-9	0.00015	0.00043	0.00157	2.121	0.000205
11:01:13.351	-9	0.00016	0.00046	0.00184	2.305	0.000223
11:01:14.351	-9	0.00015	0.00044	0.00178	2.451	0.000237
11:01:15.351	-9	0.00015	0.00047	0.0015	2.542	0.000246
11:01:16.351	-9	0.00015	0.00047	0.00136	2.453	0.000237
11:01:17.351	-9	0.00015	0.00046	0.00168	2.295	0.000222
11:01:18.351	-9	0.00014	0.00043	0.00174	2.19	0.000212
11:01:19.351	-9	0.00015	0.0004	0.00179	2.218	0.000215
11:01:20.351	-9	0.00015	0.00042	0.00181	2.252	0.000218
11:01:21.351	-9	0.00015	0.00039	0.00175	2.292	0.000222
11:01:22.351	-9	0.00014	0.00038	0.0015	2.178	0.000211
11:01:23.351	-9	0.0001	0.00028	0.00111	1.557	0.000151
11:01:24.351	-9	0.0001	0.00027	0.00109	1.335	0.000129
11:01:25.351	-9	0.0001	0.00026	0.00101	1.211	0.000117
11:01:26.351	-9	0.00009	0.00024	0.00077	0.967	0.000094
11:01:27.351	-9	0.00009	0.00023	0.0006	0.707	0.000069
11:01:28.351	-9	0.00011	0.00028	0.00101	0.716	0.00007
11:01:29.351	-9	0.00027	0.0007	0.00338	1.913	0.000186
11:01:30.351	-9	0.00025	0.00065	0.00484	2.629	0.000255
11:01:31.351	-9	0.00019	0.00048	0.00319	2.782	0.00027
11:01:32.351	-9	0.00015	0.00034	0.0015	2.206	0.000214
11:01:33.351	-9	0.00014	0.00027	0.00113	1.703	0.000165
11:01:34.351	-9	0.00013	0.00027	0.00107	1.404	0.000136
11:01:35.351	-9	0.00015	0.00029	0.00074	1.256	0.000122
11:01:36.351	-9	0.00015	0.00032	0.00088	1.048	0.000102
11:01:37.351	-9	0.00014	0.00033	0.0016	1.064	0.000103
11:01:38.351	-9	0.00013	0.00031	0.00204	1.424	0.000138
11:01:39.351	-9	0.00011	0.0003	0.00146	1.449	0.00014
11:01:40.351	-9	0.0001	0.00026	0.0009	1.36	0.000132
11:01:41.351	-9	0.00009	0.00025	0.00083	1.155	0.000112
11:01:42.351	-9	0.00009	0.00023	0.00081	0.93	0.00009
11:01:43.351	-9	0.00009	0.00024	0.00077	0.712	0.000069
11:01:44.351	-9	0.00009	0.00022	0.00084	0.549	0.000053
11:01:45.351	-9	0.00009	0.00022	0.0012	0.516	0.00005
11:01:46.351	-9	0.0001	0.00026	0.00151	0.621	0.00006
11:01:47.351	-9	0.00016	0.00039	0.00237	1.128	0.00011
11:01:48.351	-9	0.00018	0.00049	0.00247	1.608	0.000156
11:01:49.351	-9	0.00012	0.00034	0.00183	1.508	0.000146
11:01:50.351	-9	0.0001	0.0003	0.00146	1.488	0.000144
11:01:51.351	-9	0.0001	0.00027	0.00099	1.409	0.000136
11:01:52.351	-9	0.00009	0.00024	0.00093	1.196	0.000116

6.8	3.90E+00	3.400	1.500	2.708	1.195	44.000
10	4.00E+00	3.500	1.500	2.797	1.199	42.500
10.1	4.40E+00	4.000	1.500	3.192	1.197	44.500
13.5	4.60E+00	4.300	1.500	3.440	1.200	42.000
13.6	4.70E+00	4.300	1.600	3.454	1.285	42.900
15.3	4.80E+00	4.400	1.600	3.544	1.289	45.300
15.3	4.80E+00	4.300	1.600	3.467	1.290	44.700
15.7	4.80E+00	4.300	1.600	3.463	1.289	45.600
15.7	4.60E+00	4.200	1.500	3.364	1.202	44.000
16.3	4.50E+00	4.100	1.500	3.278	1.199	46.000
16.3	4.50E+00	4.100	1.500	3.289	1.203	45.600
16.6	4.40E+00	3.900	1.500	3.143	1.208	45.300
16.6	4.30E+00	3.800	1.500	3.072	1.212	42.100
16.9	4.20E+00	3.700	1.500	2.992	1.213	38.500
16.9	4.20E+00	3.700	1.500	2.992	1.213	40.000
17.3	4.30E+00	3.700	1.600	2.984	1.290	37.500
17.3	4.30E+00	3.700	1.600	2.984	1.290	39.200
17.1	4.30E+00	3.700	1.600	2.991	1.293	38.100
17.1	4.50E+00	3.800	1.700	3.082	1.379	40.400
16.7	4.50E+00	3.800	1.700	3.097	1.386	39.800
16.5	4.50E+00	3.800	1.700	3.124	1.398	38.600
11.7	4.50E+00	3.700	1.700	3.076	1.412	40.300
11.7	4.50E+00	3.700	1.700	3.095	1.422	37.700
11.5	4.50E+00	3.700	1.700	3.088	1.419	38.900
7.5	4.40E+00	3.700	1.700	3.046	1.399	37.900
9	4.50E+00	3.900	1.700	3.146	1.372	37.700
9.1	5.00E+00	4.100	2.100	3.285	1.680	37.800
10.9	5.50E+00	4.500	2.400	3.615	1.928	37.000
10.9	5.70E+00	4.600	2.400	3.732	1.947	38.400
10.9	5.60E+00	4.400	2.400	3.615	1.972	36.800
9.6	5.30E+00	4.100	2.300	3.404	1.910	37.800
9.4	4.90E+00	3.800	2.100	3.157	1.745	36.700
9.4	4.60E+00	3.600	2.000	2.949	1.640	37.200
10.4	4.50E+00	3.500	2.000	2.844	1.624	40.300
10.4	4.50E+00	3.500	2.000	2.837	1.621	38.500
10.4	4.50E+00	3.500	2.000	2.851	1.629	41.000
9.6	4.50E+00	3.500	2.000	2.878	1.645	38.100
8.5	4.60E+00	3.500	2.000	2.910	1.663	39.400
8.5	4.50E+00	3.500	1.900	2.932	1.593	37.100
8.5	4.50E+00	3.500	1.900	2.937	1.595	36.400
7.8	4.40E+00	3.400	1.900	2.851	1.593	37.800
7.8	4.40E+00	3.400	1.900	2.839	1.587	36.200
7.5	4.40E+00	3.400	1.900	2.816	1.574	40.000
8.2	4.30E+00	3.400	1.900	2.781	1.554	38.700
8.2	4.40E+00	3.400	2.000	2.752	1.617	41.900
9.4	4.40E+00	3.500	2.000	2.825	1.615	41.300
9.3	4.50E+00	3.500	2.100	2.842	1.703	40.200

192.2	32.44	1538	10.322	61.9	268.349206	289.434135
192.2	32.92425	1578	11.819	64.5	273.098196	292.428909
192.2	29.73916	1620	13.04	52.8	277.403968	295.793233
192.2	29.14934	1652	13.66	47.2	281.249435	294.105876
	25.54305	1414	13.989	55.6	280.590292	291.497602
	18.41	1229	14.609	55.6	278.900832	287.851251
	18.57184	1261	14.9	54.6	276.723361	284.705389
	23.15243	1355	15.228	54.2	275.80125	283.558668
	21.27	1284	15.53	50.3	275.145258	281.994499
190.7	21.06386	1293	15.53	47.2	272.952282	278.655643
191.1	21.18808	1296	15.783	45.8	271.4128	275.406189
191.5	21.32947	1310	16.15	49.8	269.841633	272.899079
191.9	21.33927	1313	16.15	44.2	269.410586	270.827767
192.2	22.42693	1367	16.15	58	268.153269	270.185428
192.2	22.3647	1357	16.77	50.8	267.95	270.373623
192.2	21.89677	1345	16.77	42.5	267.820385	268.327884
192.2	20.65209	1308	16.77	29.5	266.829375	264.658333
192.2	15.822	1081	16.15	6.2	266.352794	257.084222
192.2	9.285	915	15.298	16	264.952207	249.266667
192.2	12.81386	820	12.974	22.4	265.893846	242.298697
192.2	13.67497	866	10.517	28.8	265.3825	236.863636
192.2	11.71513	793	7.723	31.3	261.313497	231.134924
192.2	12.65055	942	6.83	43.3	260.406733	228.563788
192.2	29.39565	1488	6.83	59.4	258.967188	234.364
192.2	40.8961	1804	8.66	69.4	263.375155	258.515
192.2	23.36546	1255	9.91	49.4	265.725519	270.452698
192.2	17.14208	1104	9.94	23.5	264.508333	263.560795
192.2	15.19952	890	9.099	19.3	261.070313	254.098901
192.2	13.34497	855	8.479	21.9	257.085938	245.559278
192.2	16.23637	1097	8.69	54.7	254.729167	241.81
192.2	17.88257	1156	8.69	55.2	253.07664	244.138816
192.2	19.1532	1205	9.31	45.3	256.85058	246.452747
192.2	19.14265	1170	9.94	30.7	259.534104	247
192.2	16.401	1011	9.708	18	260.386538	242.196452
192.2	13.00613	848	9.107	20.1	259.309398	235.281373
192.2	12.3135	813	8.23	26.4	256.867738	229.244231
192.2	12.097	812	8.07	29.8	253.973926	225.820979
	12.24844	813	7.45	33.9	254.072396	222.657143
	12.31804	824	7.45	36.9	252.853571	220.137026
	12.26024	820	6.83	36.4	254.230533	219
	13.0347	869	6.83	42.7	253.217542	219.133133
	21.87491	1453	6.83	56.9	253.686486	223.165373
192.2	29.05513	1680	8.015	55	255.062737	233.198202
192.2	17.54938	1115	9.256	29.8	255.822396	239.245921
192.2	14.58217	878	8.69	19.6	254.665	234.030769
192.2	12.02515	809	8.071	27.8	250.453684	226.981719
192.2	11.61373	796	6.737	42.2	248.292347	223.197403

0.70879	0.81377	6.83971	10647.246
0.709	0.81446	6.84214	10651.327
0.70922	0.81513	6.8447	10655.187
0.70943	0.81569	6.84688	10658.518
0.70961	0.81617	6.84818	10661.172
0.70976	0.81661	6.84959	10663.355
0.70991	0.81704	6.85116	10665.476
0.71007	0.8175	6.853	10667.781
0.71022	0.81794	6.85478	10670.232
0.71037	0.81841	6.85628	10672.774
0.71052	0.81888	6.85764	10675.227
0.71067	0.81934	6.85932	10677.522
0.71081	0.81977	6.86106	10679.712
0.71096	0.82017	6.86285	10681.93
0.71111	0.82059	6.86466	10684.182
0.71126	0.82098	6.86641	10686.474
0.7114	0.82136	6.86791	10688.652
0.7115	0.82164	6.86902	10690.209
0.7116	0.82191	6.87011	10691.544
0.7117	0.82217	6.87112	10692.755
0.71179	0.82241	6.87189	10693.722
0.71188	0.82264	6.87249	10694.429
0.71199	0.82292	6.8735	10695.145
0.71226	0.82362	6.87688	10697.058
0.71251	0.82427	6.88172	10699.687
0.7127	0.82475	6.88491	10702.469
0.71285	0.82509	6.88641	10704.675
0.71299	0.82536	6.88754	10706.378
0.71312	0.82563	6.88861	10707.782
0.71327	0.82592	6.88935	10709.038
0.71342	0.82624	6.89023	10710.086
0.71356	0.82657	6.89183	10711.15
0.71369	0.82688	6.89387	10712.574
0.7138	0.82718	6.89533	10714.023
0.7139	0.82744	6.89623	10715.383
0.71399	0.82769	6.89706	10716.538
0.71408	0.82792	6.89787	10717.468
0.71417	0.82816	6.89864	10718.18
0.71426	0.82838	6.89948	10718.729
0.71435	0.8286	6.90068	10719.245
0.71445	0.82886	6.90219	10719.866
0.71461	0.82925	6.90456	10720.994
0.71479	0.82974	6.90703	10722.602
0.71491	0.83008	6.90886	10724.11
0.71501	0.83038	6.91032	10725.598
0.71511	0.83065	6.91131	10727.007
0.7152	0.83089	6.91224	10728.203

11:01:53.351	-9	0.00009	0.00024	0.00081	0.953	0.000092
11:01:54.351	-9	0.00009	0.00021	0.00064	0.72	0.00007
11:01:55.351	-9	0.00009	0.00022	0.00078	0.608	0.000059
11:01:56.351	-9	0.00009	0.0002	0.00105	0.611	0.000059
11:01:57.351	-9	0.0001	0.00023	0.00119	0.759	0.000074
11:01:58.351	-9	0.00011	0.00027	0.00136	1.044	0.000101
11:01:59.351	-9	0.00015	0.00037	0.00216	1.674	0.000162
11:02:00.351	-9	0.00018	0.0005	0.00244	2.428	0.000235
11:02:01.351	-9	0.00021	0.00056	0.00265	3.304	0.00032
11:02:02.351	-9	0.0002	0.00055	0.00228	3.002	0.000291
11:02:03.351	-9	0.00017	0.00041	0.00182	2.468	0.000239
11:02:04.351	-9	0.00014	0.00032	0.00151	1.796	0.000174
11:02:05.351	-9	0.00013	0.00029	0.0013	1.598	0.000155
11:02:06.351	-9	0.00015	0.00032	0.00112	1.576	0.000153
11:02:07.351	-9	0.00017	0.00036	0.00106	1.366	0.000132
11:02:08.351	-9	0.00019	0.00038	0.00174	1.341	0.00013
11:02:09.351	-9	0.0002	0.00044	0.00305	1.966	0.000191
11:02:10.351	-9	0.00021	0.00047	0.0027	2.436	0.000236
11:02:11.351	-9	0.00024	0.00054	0.00239	2.913	0.000282
11:02:12.351	-9	0.00025	0.00055	0.00216	3.075	0.000298
11:02:13.351	-9	0.00021	0.00047	0.00188	2.577	0.00025
11:02:14.351	-9	0.00017	0.00037	0.00159	1.928	0.000187
11:02:15.351	-9	0.00013	0.00028	0.00131	1.433	0.000139
11:02:16.351	-9	0.00013	0.00029	0.00132	1.404	0.000136
11:02:17.351	-9	0.00015	0.00029	0.00163	1.492	0.000145
11:02:18.351	-9	0.00016	0.00032	0.00172	1.36	0.000132
11:02:19.351	-9	0.00015	0.0003	0.00163	1.142	0.000111
11:02:20.351	-9	0.00014	0.00026	0.00148	1.228	0.000119
11:02:21.351	-9	0.00015	0.00032	0.00142	1.464	0.000142
11:02:22.351	-9	0.00013	0.00026	0.00111	1.132	0.00011
11:02:23.351	-9	0.00009	0.00019	0.00061	0.63	0.000061
11:02:24.351	-9	0.00008	0.00017	0.00053	0.449	0.000044
11:02:25.351	-9	0.00011	0.00023	0.00087	0.462	0.000045
11:02:26.351	-9	0.00011	0.00023	0.00104	0.363	0.000035
11:02:27.351	-9	0.0001	0.00022	0.00095	0.291	0.000028
11:02:28.351	-9	0.00011	0.00025	0.00116	0.295	0.000029
11:02:29.351	-9	0.0001	0.00022	0.00102	0.318	0.000031
11:02:30.351	-9	0.0001	0.00022	0.00094	0.395	0.000038
11:02:31.351	-9	0.0001	0.00021	0.00116	0.504	0.000049
11:02:32.351	-9	0.0001	0.00022	0.00133	0.621	0.00006
11:02:33.351	-9	0.00009	0.00021	0.00113	0.723	0.00007
11:02:34.351	-9	0.00009	0.00022	0.00141	0.847	0.000082
11:02:35.351	-9	0.00009	0.00023	0.00106	0.944	0.000092
11:02:36.351	-9	0.00009	0.00022	0.00106	1.008	0.000098
11:02:37.351	-9	0.00009	0.00024	0.0011	1.03	0.0001
11:02:38.351	-9	0.00009	0.00022	0.0011	1.03	0.0001
11:02:39.351	-9	0.00009	0.00023	0.00111	1.042	0.000101

7.2	4.80E+00	3.600	2.200	2.954	1.804	41.400
7.1	4.80E+00	3.600	2.200	2.985	1.824	37.300
3.3	4.80E+00	3.600	2.200	3.003	1.835	39.200
3.3	4.80E+00	3.600	2.100	3.003	1.752	35.500
3.2	4.70E+00	3.600	2.100	2.988	1.743	38.600
0	4.70E+00	3.600	2.100	2.966	1.730	38.600
0.1	4.70E+00	3.600	2.100	2.944	1.717	38.600
2.7	4.60E+00	3.600	2.100	2.918	1.702	41.600
6.1	4.60E+00	3.600	2.100	2.891	1.686	40.000
6.2	4.70E+00	3.700	2.200	2.966	1.764	44.000
8.7	5.00E+00	3.800	2.400	3.050	1.925	39.400
8.7	5.20E+00	3.900	2.600	3.139	2.093	40.900
10.1	5.40E+00	4.000	2.700	3.230	2.181	39.100
10.1	5.50E+00	4.000	2.700	3.254	2.198	39.400
9.1	5.60E+00	4.100	2.700	3.376	2.224	39.500
9.2	5.50E+00	4.100	2.600	3.394	2.154	38.000
10.8	5.50E+00	4.100	2.600	3.346	2.122	40.800
10.8	5.40E+00	4.100	2.600	3.318	2.104	40.000
10.9	5.50E+00	4.200	2.600	3.383	2.096	41.000
12.6	5.50E+00	4.200	2.600	3.381	2.093	40.500
13.9	5.60E+00	4.200	2.700	3.386	2.177	40.100
14	5.60E+00	4.200	2.700	3.392	2.181	41.300
15.3	5.70E+00	4.200	2.800	3.399	2.266	40.300
15.3	5.80E+00	4.300	2.900	3.486	2.350	42.000
15.1	5.90E+00	4.300	2.900	3.500	2.360	37.400
15.1	5.90E+00	4.300	2.900	3.523	2.376	39.900
15.1	5.90E+00	4.300	2.900	3.542	2.389	38.800
15.1	5.80E+00	4.200	2.900	3.442	2.377	35.900
15.1	5.60E+00	4.000	2.800	3.271	2.288	38.500
15	5.60E+00	4.000	2.800	3.285	2.300	36.500
13.2	5.60E+00	4.000	2.800	3.314	2.320	39.100
13.1	5.70E+00	4.000	2.800	3.343	2.340	37.000
11.6	5.60E+00	4.000	2.700	3.364	2.271	39.600
11.5	5.60E+00	3.900	2.700	3.296	2.282	38.100
8.9	5.50E+00	3.900	2.600	3.306	2.204	38.700
8.8	5.50E+00	3.900	2.600	3.306	2.204	42.200
5.3	5.40E+00	3.900	2.500	3.300	2.115	39.000
5.2	5.30E+00	3.800	2.500	3.202	2.108	39.300
2.4	5.20E+00	3.700	2.500	3.102	2.096	37.200
2.3	5.20E+00	3.700	2.500	3.082	2.082	38.700
0	5.00E+00	3.600	2.400	2.983	1.989	38.100
0	4.90E+00	3.600	2.400	2.964	1.976	39.100
0	4.90E+00	3.600	2.400	2.949	1.966	40.900
0	4.90E+00	3.600	2.400	2.941	1.961	39.300
0	4.80E+00	3.600	2.300	2.938	1.877	41.500
0	4.80E+00	3.600	2.300	2.938	1.877	39.000
0	4.80E+00	3.600	2.300	2.938	1.877	40.200

192.2	12.11924	822	4.784	46.8	247.53625	222.007093
192.2	11.21622	751	2.48	56.5	247.341962	221.78999
192.2	12.11196	803	1.774	56.8	247.624029	223.789061
192.2	12.0375	786	0.62	51.5	245.328133	226.114783
192.2	12.55663	776	0.832	49.1	244.935787	227.0864
192.2	15.03815	958	2.694	52.4	245.646025	229.652
192.2	20.24142	1237	4.15	59.2	247.295833	235.1248
192.2	25.38218	1393	5.82	58.5	250.546667	243.153793
192.2	29.41532	1611	7.19	51.7	252.17166	249.893069
192.2	27.08669	1476	8.471	50.2	255.327939	254.48
	19.33309	1211	9.31	34.7	255.8	254.8408
	19.10097	997	9.741	4.2	255.159615	249.894
	13.74734	879	9.31	15.8	251.298852	240.74
	15.50507	1150	8.69	43.2	247.05	235.5
	19.27274	1251	9.733	54.4	246.650756	237.718252
191.8	21.69483	1322	10.438	52.6	249.919245	242.1125
191.5	23.32527	1401	11.18	49.9	250.952817	244.945
191.1	25.03511	1498	11.951	56.6	253.403306	247.957883
190.7	27.66396	1564	12.573	51.3	254.036329	250.862338
190.4	28.9049	1640	13.213	47.7	254.038201	253.701304
190.4	25.29222	1418	14.28	47.1	253.604784	254.3
190.4	18.68519	1224	14.75	31.8	253.485685	252.395652
190.4	13.20494	945	14.749	19.4	253.134898	248.433468
190.4	11.84629	983	14.28	35	252.475833	240.3769
190.6	16.51451	1170	14.28	42.1	251.884286	238.863158
190.9	17.38193	1176	14.28	36.1	251.544	238.147539
191.3	17.4106	1054	14.409	26.7	250.507453	237.501927
191.7	15.98881	928	14.28	11.2	249.354115	231.5589
192	15.6231	1308	13.119	6.3	247.617113	223.280881
192	15.7605	1139	12.499	6.7	246.147917	216.295704
191.6	9.87494	1014	11.8	8.2	245.264718	210.53163
191.2	9.52575	963	10.56	13.2	241.031563	206.612198
190.9	11.53706	892	9.81	17.2	236.119898	203.51495
190.5	12.10916	805	7.926	27	231.288946	200.251512
	12.03101	801	6.014	43.5	230.666291	199.521795
	12.71513	827	4.161	40.6	231.352692	200.9503
	11.58384	756	2.905	45.8	231.824375	202.690501
	12.24476	808	1.651	51.8	231.207771	204.734897
	11.99368	788	0.433	51.8	233.704065	208.752778
190.4	12.10227	781	0	50.4	230.725786	211.269331
190.4	12.22954	783	0	48.9	231.645588	213.625149
190.4	11.98815	779	0	49	233.41596	215.933814
190.4	12.06571	780	0	48.7	232.754592	216.81811
190.4	11.95196	778	0	48.6	233.027066	218.073674
190.7	12.11951	777	0	48.6	234.259146	219.394186
191.1	12.208	780	0	48.3	235.374308	220.2
191.5	12.02	776	0	48.9	234.170927	220.662853

0.71529	0.83113	6.91305	10729.156
0.71538	0.83134	6.91369	10729.876
0.71547	0.83156	6.91447	10730.484
0.71556	0.83176	6.91552	10731.095
0.71566	0.83199	6.91671	10731.854
0.71577	0.83226	6.91807	10732.898
0.71592	0.83263	6.92023	10734.572
0.7161	0.83313	6.92267	10737
0.71631	0.83369	6.92532	10740.304
0.71651	0.83424	6.9276	10743.306
0.71668	0.83465	6.92942	10745.774
0.71682	0.83497	6.93093	10747.57
0.71695	0.83526	6.93223	10749.168
0.7171	0.83558	6.93335	10750.744
0.71727	0.83594	6.93441	10752.11
0.71746	0.83632	6.93615	10753.451
0.71766	0.83676	6.9392	10755.417
0.71787	0.83723	6.9419	10757.853
0.71811	0.83777	6.94429	10760.766
0.71836	0.83832	6.94645	10763.841
0.71857	0.83879	6.94833	10766.418
0.71874	0.83916	6.94992	10768.346
0.71887	0.83944	6.95123	10769.779
0.719	0.83973	6.95255	10771.183
0.71915	0.84002	6.95418	10772.675
0.71931	0.84034	6.9559	10774.035
0.71946	0.84064	6.95753	10775.177
0.7196	0.8409	6.95901	10776.405
0.71975	0.84122	6.96043	10777.869
0.71988	0.84148	6.96154	10779.001
0.71997	0.84167	6.96215	10779.631
0.72005	0.84184	6.96268	10780.08
0.72016	0.84207	6.96355	10780.542
0.72027	0.8423	6.96459	10780.905
0.72037	0.84252	6.96554	10781.196
0.72048	0.84277	6.9667	10781.491
0.72058	0.84299	6.96772	10781.809
0.72068	0.84321	6.96866	10782.204
0.72078	0.84342	6.96982	10782.708
0.72088	0.84364	6.97115	10783.329
0.72097	0.84385	6.97228	10784.052
0.72106	0.84407	6.97369	10784.899
0.72115	0.8443	6.97475	10785.843
0.72124	0.84452	6.97581	10786.851
0.72133	0.84476	6.97691	10787.881
0.72142	0.84498	6.97801	10788.911
0.72151	0.84521	6.97912	10789.953

11:02:40.351	-9	0.00009	0.00023	0.00111	1.049	0.000102
11:02:41.351	-9	0.00009	0.00022	0.00111	1.049	0.000102
11:02:42.351	-9	0.00009	0.00024	0.00103	1.048	0.000102
11:02:43.351	-9	0.00009	0.00022	0.00099	1.046	0.000101
11:02:44.351	-9	0.00009	0.00024	0.00099	1.048	0.000102
11:02:45.351	-9	0.00009	0.00022	0.00098	1.048	0.000102
11:02:46.351	-9	0.00009	0.00023	0.00099	1.054	0.000102
11:02:47.351	-9	0.00009	0.00023	0.001	1.071	0.000104
11:02:48.351	-9	0.00009	0.00023	0.00092	1.073	0.000104
11:02:49.351	-9	0.00009	0.00024	0.00088	1.064	0.000103
11:02:50.351	-9	0.00009	0.00022	0.00094	1.063	0.000103
11:02:51.351	-9	0.00009	0.00024	0.0011	1.068	0.000104
11:02:52.351	-9	0.00008	0.00023	0.0011	1.074	0.000104
11:02:53.351	-9	0.00008	0.00024	0.0011	1.08	0.000105
11:02:54.351	-9	0.00008	0.00023	0.0011	1.078	0.000104
11:02:55.351	-9	0.00008	0.00023	0.00109	1.069	0.000104
11:02:56.351	-9	0.00008	0.00024	0.00106	1.076	0.000104
11:02:57.351	-9	0.00008	0.00022	0.00098	1.072	0.000104
11:02:58.351	-9	0.00008	0.00024	0.00098	1.072	0.000104
11:02:59.351	-9	0.00008	0.00023	0.00099	1.078	0.000105
11:03:00.351	-9	0.00009	0.00024	0.00099	1.082	0.000105
11:03:01.351	-9	0.00009	0.00024	0.00099	1.083	0.000105
11:03:02.351	-9	0.00009	0.00025	0.001	1.091	0.000106
11:03:03.351	-9	0.0001	0.00029	0.00114	1.24	0.00012
11:03:04.351	-9	0.00011	0.00028	0.00126	1.371	0.000133
11:03:05.351	-9	0.00016	0.00047	0.00193	2.238	0.000217
11:03:06.351	-9	0.00025	0.00067	0.00376	3.957	0.000383
11:03:07.351	-9	0.00027	0.00072	0.00366	4.916	0.000476
11:03:08.351	-9	0.00029	0.00064	0.00254	4.588	0.000444
11:03:09.351	-9	0.00034	0.00059	0.00242	4.347	0.000421
11:03:10.351	-9	0.00022	0.00041	0.00154	2.762	0.000267
11:03:11.351	-9	0.00017	0.00029	0.00115	2.074	0.000201
11:03:12.351	-9	0.00018	0.00036	0.00108	2.092	0.000202
11:03:13.351	-9	0.00023	0.00047	0.00115	1.952	0.000189
11:03:14.351	-9	0.00017	0.00035	0.00093	0.987	0.000096
11:03:15.351	-9	0.00018	0.00041	0.00156	1.243	0.000121
11:03:16.351	-9	0.00019	0.00048	0.0017	1.433	0.000139
11:03:17.351	-9	0.00018	0.00049	0.00211	1.484	0.000144
11:03:18.351	-9	0.00011	0.0003	0.0014	1.006	0.000098
11:03:19.351	-9	0.0001	0.00026	0.00118	0.842	0.000082
11:03:20.351	-9	0.0001	0.00024	0.00121	0.797	0.000077
11:03:21.351	-9	0.00012	0.0003	0.00167	0.986	0.000096
11:03:22.351	-9	0.00013	0.00032	0.00176	0.898	0.000087
11:03:23.351	-9	0.00013	0.00031	0.00171	0.786	0.000076
11:03:24.351	-9	0.0001	0.00024	0.0013	0.596	0.000058
11:03:25.351	-9	0.00008	0.00019	0.00105	0.5	0.000049
11:03:26.351	-9	0.00007	0.00019	0.00085	0.405	0.000039

0	4.70E+00	3.600	2.200	2.937	1.795	40.100	191.9	12.00395	778	0	49.4	238.140255	221.5
0	4.70E+00	3.600	2.200	2.936	1.794	38.900	192.2	11.94	778	0	48.8	241.191667	221.887033
0	4.60E+00	3.500	2.200	2.854	1.794	41.100	192.2	12.02584	778	0	49.5	243.778035	222.1
0	4.60E+00	3.500	2.200	2.854	1.794	38.000	192.2	11.97	782	0	48.6	243.172296	223.065132
0	4.60E+00	3.500	2.200	2.854	1.794	41.400	192.2	11.87156	780	0	48.7	243.401663	223.4
0	4.60E+00	3.500	2.200	2.853	1.794	39.100	192.2	11.97222	780	0	49.2	245.342857	223.4
0	4.60E+00	3.500	2.200	2.853	1.793	41.000	192.2	12.02439	779	0	49.3	244.219188	223.903718
0	4.60E+00	3.500	2.200	2.852	1.793	39.800	192.2	12.06132	780	0	48.6	243.54	224
0	4.60E+00	3.500	2.200	2.852	1.792	39.300	192.2	12.10671	783	0	48.1	243.208969	223.509309
0	4.60E+00	3.500	2.200	2.852	1.793	42.500	192.2	11.98556	781	0	49.1	243.222461	223.4
0	4.60E+00	3.400	2.200	2.772	1.793	39.600	192.2	12.10959	779	0	49.7	244.314912	223.927742
0	4.60E+00	3.400	2.200	2.770	1.792	42.000		12.13	778	0	48.5	242.152295	224
0	4.50E+00	3.300	2.200	2.688	1.792	40.000		12.0728	778	0	48.7	242.613415	223.436471
0	4.40E+00	3.300	2.100	2.687	1.712	41.900		11.94016	783	0	49.3	243.086858	223.4
0	4.40E+00	3.300	2.100	2.688	1.710	40.600		11.99061	782	0	48.5	242.313497	223.950353
0	4.40E+00	3.300	2.100	2.688	1.710	39.900		11.88	777	0	48.2	242.491562	223.448649
0	4.40E+00	3.300	2.100	2.688	1.710	42.100	192.2	11.98636	779	0	48.8	239.931877	223.992266
0	4.40E+00	3.300	2.100	2.688	1.710	39.000	192.2	12.09341	781	0	49	237.909601	223.954853
0	4.40E+00	3.300	2.100	2.688	1.710	41.600	192.2	11.92097	781	0	48.8	236.633163	223.4
0	4.50E+00	3.300	2.200	2.688	1.792	39.700	192.2	11.98337	781	0	48.6	234.832051	223.51634
0	4.50E+00	3.300	2.200	2.688	1.792	41.100	192.2	11.98746	778	0	48.3	234.809267	223.844156
0	4.50E+00	3.400	2.100	2.769	1.710	42.200	192.2	11.97607	778	0	48.2	234.363674	223.250577
0	4.50E+00	3.400	2.100	2.769	1.711	43.600	192.2	11.96061	777	0	48.5	234.468098	222.942982
0	4.40E+00	3.300	2.100	2.688	1.710	43.800	192.2	14.1358	885	0.273	52.9	233.090644	223.797554
0.1	4.40E+00	3.300	2.100	2.688	1.710	38.600	192.2	14.11877	958	2.143	59.2	233.062105	226.089703
2.2	4.40E+00	3.300	2.100	2.679	1.705	41.900	192.2	22.45451	1318	4.262	70.6	235.455888	232.686901
2.4	4.30E+00	3.300	2.100	2.655	1.689	39.200	192.2	40.61943	1664	7.067	75.9	240	247.757409
7.1	4.40E+00	3.400	2.100	2.703	1.670	39.400	192.2	43.50051	1743	9.588	61.1	247.679245	265.888345
7.2	5.20E+00	3.800	2.700	3.019	2.145	37.800	192.2	30.55664	1598	11.634	79.7	254.641875	276.906991
11.7	6.40E+00	4.300	3.800	3.416	3.014	36.400	192.2	36.59787	1696	12.838	75.4	256.801792	283.577616
11.8	6.50E+00	4.400	3.800	3.497	3.020	40.200	192.2	25.5413	1522	14.058	45.1	261.284428	283.897549
14.8	6.50E+00	4.400	3.800	3.497	3.020	38.000	191.8	17.12367	951	14.656	15.9	257.031512	272.606257
14.8	6.50E+00	4.400	3.700	3.522	2.961	42.500	191.4	14.77226	1113	13.799	20	248.857596	259.641328
15	6.40E+00	4.300	3.500	3.511	2.858	43.300	191	24.14185	1646	13.66	45.4	241.859231	250.345256
15	6.20E+00	4.300	3.200	3.571	2.658	43.000	190.6	17.7858	1159	14.28	22.4	239.090577	243.437391
15	5.30E+00	3.900	2.500	3.243	2.085	40.200	190.4	17.32968	1156	13.66	30.7	237.690563	236.098936
14.7	4.70E+00	3.400	2.200	2.834	1.835	39.000	190.4	27.52081	1616	13.66	31.8	237.372932	232.267843
14	4.30E+00	3.100	2.100	2.581	1.746	39.100	190.4	26.97565	1572	13.66	30.2	236.64572	228.82
14	4.20E+00	3.100	2.000	2.572	1.659	37.300	190.4	21.649	1249	14.28	21	236.484091	225.0458
14.6	4.30E+00	3.200	2.000	2.655	1.659	39.000	190.4	11.23492	843	14.28	15.9	233.972263	220.253804
14.6	4.40E+00	3.300	2.000	2.743	1.663	35.400		11.99806	901	13.66	15.5	232.32	215.473221
14.6	4.40E+00	3.300	2.000	2.746	1.664	35.400		17.92176	1417	13.04	15	232.060102	211.104412
14.5	4.50E+00	3.300	2.100	2.757	1.753	36.000		19.60514	1393	12.495	14.7	231.639918	208.601223
13.3	4.50E+00	3.300	2.100	2.765	1.759	35.700		18.78288	1375	12.42	3	230.216563	203.45954
13.3	4.50E+00	3.300	2.100	2.765	1.760	37.200		10.13411	1055	11.852	5	229.628601	199.736076
12.7	4.50E+00	3.300	2.100	2.766	1.760	35.000	190.4	9.60846	985	11.18	9.3	224.235641	195.458152
12.6	4.50E+00	3.300	2.100	2.770	1.763	38.700	190.4	9.07075	942	10.56	13.5	219.019231	192.7775

0.7216	0.84544	6.98023	10791.002
0.72169	0.84566	6.98134	10792.051
0.72178	0.8459	6.98237	10793.099
0.72187	0.84612	6.98336	10794.145
0.72196	0.84636	6.98435	10795.193
0.72205	0.84658	6.98533	10796.241
0.72214	0.84681	6.98632	10797.295
0.72223	0.84704	6.98732	10798.366
0.72232	0.84727	6.98824	10799.439
0.72241	0.84751	6.98912	10800.503
0.7225	0.84773	6.99006	10801.566
0.72259	0.84797	6.99116	10802.634
0.72267	0.8482	6.99226	10803.708
0.72275	0.84844	6.99336	10804.788
0.72283	0.84867	6.99446	10805.866
0.72291	0.8489	6.99555	10806.935
0.72299	0.84914	6.99661	10808.011
0.72307	0.84936	6.99759	10809.083
0.72315	0.8496	6.99857	10810.155
0.72323	0.84983	6.99956	10811.233
0.72332	0.85007	7.00055	10812.315
0.72341	0.85031	7.00154	10813.398
0.7235	0.85056	7.00254	10814.489
0.7236	0.85085	7.00368	10815.729
0.72371	0.85113	7.00494	10817.1
0.72387	0.8516	7.00687	10819.338
0.72412	0.85227	7.01063	10823.295
0.72439	0.85299	7.01429	10828.211
0.72468	0.85363	7.01683	10832.799
0.72502	0.85422	7.01925	10837.146
0.72524	0.85463	7.02079	10839.908
0.72541	0.85492	7.02194	10841.982
0.72559	0.85528	7.02302	10844.074
0.72582	0.85575	7.02417	10846.026
0.72599	0.8561	7.0251	10847.013
0.72617	0.85651	7.02666	10848.256
0.72636	0.85699	7.02836	10849.689
0.72654	0.85748	7.03047	10851.173
0.72665	0.85778	7.03187	10852.179
0.72675	0.85804	7.03305	10853.021
0.72685	0.85828	7.03426	10853.818
0.72697	0.85858	7.03593	10854.804
0.7271	0.8589	7.03769	10855.702
0.72723	0.85921	7.0394	10856.488
0.72733	0.85945	7.0407	10857.084
0.72741	0.85964	7.04175	10857.584
0.72748	0.85983	7.0426	10857.989

11:03:27.351	-9	0.00008	0.0002	0.00095	0.419	0.000041
11:03:28.351	-9	0.00009	0.00022	0.00087	0.395	0.000038
11:03:29.351	-9	0.00009	0.00022	0.00081	0.314	0.000031
11:03:30.351	-9	0.00009	0.00022	0.00088	0.288	0.000028
11:03:31.351	-9	0.00009	0.00024	0.00093	0.301	0.000029
11:03:32.351	-9	0.00009	0.00022	0.00094	0.314	0.000031
11:03:33.351	-9	0.00009	0.00022	0.00091	0.32	0.000031
11:03:34.351	-9	0.00008	0.00021	0.00089	0.335	0.000033
11:03:35.351	-9	0.00009	0.00022	0.00081	0.363	0.000035
11:03:36.351	-9	0.00008	0.00021	0.00099	0.387	0.000038
11:03:37.351	-9	0.00008	0.00021	0.00104	0.425	0.000041
11:03:38.351	-9	0.00008	0.00021	0.00107	0.504	0.000049
11:03:39.351	-9	0.00009	0.00021	0.0012	0.6	0.000058
11:03:40.351	-9	0.00009	0.00023	0.00101	0.656	0.000064
11:03:41.351	-9	0.00009	0.00022	0.0009	0.718	0.00007
11:03:42.351	-9	0.00008	0.00022	0.00113	0.797	0.000077
11:03:43.351	-9	0.00008	0.00023	0.00115	0.907	0.000088
11:03:44.351	-9	0.00009	0.00023	0.00095	0.982	0.000095
11:03:45.351	-9	0.00009	0.00024	0.00089	0.999	0.000097
11:03:46.351	-9	0.00009	0.00022	0.00098	1.01	0.000098
11:03:47.351	-9	0.00009	0.00024	0.00099	1.022	0.000099
11:03:48.351	-9	0.00009	0.00023	0.001	1.029	0.0001
11:03:49.351	-9	0.00009	0.00024	0.00099	1.022	0.000099
11:03:50.351	-9	0.00009	0.00024	0.00099	1.02	0.000099
11:03:51.351	-9	0.00008	0.00022	0.00098	1.014	0.000098
11:03:52.351	-9	0.00008	0.00024	0.00098	1.018	0.000099
11:03:53.351	-9	0.00008	0.00022	0.00098	1.013	0.000098
11:03:54.351	-9	0.00008	0.00024	0.00099	1.021	0.000099
11:03:55.351	-9	0.00008	0.00023	0.00099	1.023	0.000099
11:03:56.351	-9	0.00008	0.00023	0.00099	1.029	0.0001
11:03:57.351	-9	0.00009	0.00023	0.00099	1.035	0.0001
11:03:58.351	-9	0.00009	0.00023	0.00099	1.039	0.000101
11:03:59.351	-9	0.00009	0.00023	0.00099	1.045	0.000101
11:04:00.351	-9	0.00009	0.00023	0.00099	1.041	0.000101
11:04:01.351	-9	0.00009	0.00024	0.00099	1.039	0.000101
11:04:02.351	-9	0.00009	0.00023	0.00096	1.04	0.000101
11:04:03.351	-9	0.00009	0.00025	0.00087	1.039	0.000101
11:04:04.351	-9	0.00009	0.00024	0.00087	1.041	0.000101
11:04:05.351	-9	0.00009	0.00022	0.00096	1.041	0.000101
11:04:06.351	-9	0.00009	0.00023	0.00098	1.043	0.000101
11:04:07.351	-9	0.00009	0.00022	0.00098	1.043	0.000101
11:04:08.351	-9	0.00009	0.00024	0.00098	1.044	0.000101
11:04:09.351	-9	0.00008	0.00022	0.00099	1.047	0.000101
11:04:10.351	-9	0.00008	0.00023	0.00099	1.05	0.000102
11:04:11.351	-9	0.00009	0.00023	0.00099	1.061	0.000103
11:04:12.351	-9	0.0001	0.00025	0.0011	1.181	0.000114
11:04:13.351	-9	0.0001	0.00028	0.00118	1.274	0.000124

11.3	4.50E+00	3.300	2.100	2.776	1.767	36.300	190.4	14.34891	890	9.94	13.2	217.583299	190.383641
11.3	4.60E+00	3.300	2.100	2.787	1.773	36.400	190.4	12.86495	841	9.499	16.9	216.290577	188.107166
10.2	4.60E+00	3.300	2.100	2.795	1.778	37.300	190.4	12.04391	828	9.31	21.3	214.574528	185.880198
10.2	4.60E+00	3.300	2.100	2.798	1.780	37.900	190.4	12.10762	813	8.69	26.9	212.803504	184.370588
9.4	4.60E+00	3.300	2.100	2.796	1.780	40.900	190.4	12.35743	813	8.69	25.3	211.445853	183.18587
9.4	4.60E+00	3.300	2.100	2.795	1.779	37.200	190.4	12.20412	816	8.07	28.3	215.125581	182.6
8.7	4.60E+00	3.300	2.100	2.794	1.778	39.100	190.4	12.10951	828	8.07	30.6	215.208175	182.6
8.6	4.60E+00	3.300	2.100	2.790	1.775	37.000	190.4	11.81428	808	6.945	40.2	216.381395	183.209783
7.6	4.60E+00	3.300	2.100	2.787	1.773	38.200	190.4	12.12194	818	5.474	47.1	223.12381	184.865752
7.5	4.60E+00	3.300	2.100	2.783	1.771	37.900	190.4	12.22677	810	4.132	42	226.896737	186.829924
5.1	4.50E+00	3.300	2.100	2.776	1.767	37.500	190.4	11.23053	755	3.11	44.7	231.185219	187.737284
5.1	4.50E+00	3.400	2.000	2.847	1.679	38.000	190.4	11.93072	789	2.48	52.7	223.818236	190.584396
5	4.60E+00	3.400	2.100	2.837	1.752	37.000		12.23975	795	1.86	52.1	225.07375	194.675
2.9	4.70E+00	3.500	2.100	2.911	1.747	40.700		12.14667	778	1.24	50.4	225.462245	198.12219
1.5	4.60E+00	3.500	2.100	2.901	1.741	39.000		12.02	782	0.62	49.4	226.286875	200.569948
1.4	4.60E+00	3.500	2.100	2.887	1.732	39.900		11.93084	782	0	48.6	225.771657	203.115377
0	4.60E+00	3.500	2.100	2.872	1.723	41.700		11.88	781	0	48.6	226.733333	204.952204
0	4.60E+00	3.500	2.100	2.862	1.717	40.200	190.4	12.0808	786	0	47.8	226.294724	206.232138
0	4.60E+00	3.500	2.100	2.860	1.716	42.700	190.4	11.98817	779	0	47.1	222.776667	207.640199
0	4.60E+00	3.500	2.100	2.859	1.716	39.400	190.4	11.85182	778	0	47.7	220.5	208.28517
0	4.50E+00	3.500	2.000	2.858	1.635	42.700	190.4	11.961	778	0	47.5	220.728364	208.908654
0	4.50E+00	3.500	2.000	2.858	1.633	40.400	190.4	11.9194	776	0	48.1	220.156357	209.572708
0	4.50E+00	3.500	2.000	2.858	1.633	42.200	190.4	12.00745	779	0	48.2	220.484725	210.199001
0	4.50E+00	3.500	2.000	2.858	1.633	42.100	190.4	11.88903	781	0	47.6	220.78	210.6
0	4.50E+00	3.500	2.000	2.858	1.633	39.700	190.4	11.86	779	0	47.8	221.255602	210.860412
0	4.40E+00	3.400	2.000	2.777	1.633	42.000	190.4	12.12694	782	0	46.4	221.71625	211.2
0	4.40E+00	3.400	2.000	2.777	1.633	38.600	190.4	11.82225	777	0	48.5	221.719268	211.56036
0	4.40E+00	3.400	2.000	2.777	1.633	41.600	190.4	12.10411	781	0	46.8	221.998883	212.265294
0	4.40E+00	3.400	2.000	2.776	1.633	40.900	190.4	11.86522	775	0	47.4	221.976442	212.342173
0	4.50E+00	3.500	2.000	2.855	1.633	39.700	190.4	12.0392	779	0	46.7	221.47286	212.268619
0	4.60E+00	3.600	2.000	2.936	1.632	40.300	190.4	11.97577	782	0	47.3	223.904237	212.911209
0	4.60E+00	3.600	2.000	2.938	1.632	39.600	190.4	11.91674	782	0	51.6	223.701107	213.2
0	4.60E+00	3.600	2.000	2.937	1.632	41.000	190.4	11.98286	782	0	47.8	223.655682	213.2
0	4.60E+00	3.600	2.000	2.937	1.632	40.000	190.4	12.08763	779	0	47.4	223.365673	213.2
0	4.60E+00	3.600	2.000	2.937	1.632	42.400	190.4	12.05982	779	0	46.7	224.283465	213.2
0	4.60E+00	3.600	2.000	2.937	1.632	40.800	190.4	11.98369	778	0	46.9	226.680673	213.2
0	4.60E+00	3.600	2.000	2.937	1.632	44.300	190.4	11.97495	777	0	47.5	226.154415	213.2
0	4.60E+00	3.600	2.000	2.937	1.632	42.900	190.4	12.01029	782	0	47.5	226.066027	213.2
0	4.60E+00	3.600	2.000	2.937	1.631	39.500	190.4	12.00674	782	0	47.4	225.982609	213.715392
0	4.60E+00	3.600	2.000	2.937	1.631	40.500	190.4	11.89857	778	0	46.8	226.310417	213.9
0	4.60E+00	3.600	2.000	2.936	1.631	39.500	190.4	11.92289	773	0	46.8	227.509615	213.9
0	4.60E+00	3.600	2.000	2.936	1.631	41.400	190.4	11.8815	778	0	48	226.885804	213.9
0	4.50E+00	3.500	2.000	2.859	1.631	39.200	190.4	11.90386	783	0	47.7	225.720256	214.488375
0	4.50E+00	3.500	2.000	2.855	1.631	40.400	190.4	12.11	778	0	47.5	224.97505	214.5
0	4.50E+00	3.500	2.000	2.854	1.631	40.600	190.4	12.12783	777	0	48.1	224.438046	214.5
0	4.60E+00	3.600	2.000	2.933	1.630	38.900	190.4	13.4246	866	0.195	50.5	224.0006	214.804451
0	4.50E+00	3.500	2.000	2.852	1.630	41.100	190.4	13.75389	888	1.987	59.8	224.615369	216.781535

0.72756	0.86003	7.04355	10858.408
0.72765	0.86025	7.04442	10858.803
0.72774	0.86047	7.04523	10859.117
0.72783	0.86069	7.04611	10859.405
0.72792	0.86093	7.04704	10859.706
0.72801	0.86115	7.04798	10860.02
0.7281	0.86137	7.04889	10860.34
0.72818	0.86158	7.04978	10860.675
0.72827	0.8618	7.05059	10861.038
0.72835	0.86201	7.05158	10861.425
0.72843	0.86222	7.05262	10861.85
0.72851	0.86243	7.05369	10862.354
0.7286	0.86264	7.05489	10862.954
0.72869	0.86287	7.0559	10863.61
0.72878	0.86309	7.0568	10864.328
0.72886	0.86331	7.05793	10865.125
0.72894	0.86354	7.05908	10866.032
0.72903	0.86377	7.06003	10867.014
0.72912	0.86401	7.06092	10868.013
0.72921	0.86423	7.0619	10869.023
0.7293	0.86447	7.06289	10870.045
0.72939	0.8647	7.06389	10871.074
0.72948	0.86494	7.06488	10872.096
0.72957	0.86518	7.06587	10873.116
0.72965	0.8654	7.06685	10874.13
0.72973	0.86564	7.06783	10875.148
0.72981	0.86586	7.06881	10876.161
0.72989	0.8661	7.0698	10877.182
0.72997	0.86633	7.07079	10878.205
0.73005	0.86656	7.07178	10879.234
0.73014	0.86679	7.07277	10880.269
0.73023	0.86702	7.07376	10881.308
0.73032	0.86725	7.07475	10882.353
0.73041	0.86748	7.07574	10883.394
0.7305	0.86772	7.07673	10884.433
0.73059	0.86795	7.07769	10885.473
0.73068	0.8682	7.07856	10886.512
0.73077	0.86844	7.07943	10887.553
0.73086	0.86866	7.08039	10888.594
0.73095	0.86889	7.08137	10889.637
0.73104	0.86911	7.08235	10890.68
0.73113	0.86935	7.08333	10891.724
0.73121	0.86957	7.08432	10892.771
0.73129	0.8698	7.08531	10893.821
0.73138	0.87003	7.0863	10894.882
0.73148	0.87028	7.0874	10896.063
0.73158	0.87056	7.08858	10897.337

11:04:14.351	-9	0.00013	0.00033	0.0015	1.64	0.000159
11:04:15.351	-9	0.00017	0.00045	0.00201	2.29	0.000222
11:04:16.351	-9	0.00018	0.00046	0.00251	2.732	0.000265
11:04:17.351	-9	0.00017	0.00044	0.00164	2.602	0.000252
11:04:18.351	-9	0.00016	0.00041	0.00139	2.406	0.000233
11:04:19.351	-9	0.00018	0.0004	0.00157	2.297	0.000222
11:04:20.351	-9	0.00018	0.00042	0.00168	2.43	0.000235
11:04:21.351	-9	0.00019	0.00043	0.00148	2.589	0.000251
11:04:22.351	-9	0.0002	0.00047	0.00154	2.569	0.000249
11:04:23.351	-9	0.0002	0.00044	0.0019	2.486	0.000241
11:04:24.351	-9	0.0002	0.00042	0.00188	2.341	0.000227
11:04:25.351	-9	0.0002	0.00041	0.00173	1.871	0.000181
11:04:26.351	-9	0.00017	0.00034	0.00163	1.408	0.000137
11:04:27.351	-9	0.00013	0.00028	0.00151	0.968	0.000094
11:04:28.351	-9	0.00012	0.00024	0.00116	0.831	0.000081
11:04:29.351	-9	0.00011	0.00022	0.0011	0.697	0.000068
11:04:30.351	-9	0.0001	0.0002	0.00114	0.61	0.000059
11:04:31.351	-9	0.00009	0.0002	0.00102	0.508	0.000049
11:04:32.351	-9	0.00009	0.00021	0.00092	0.413	0.00004
11:04:33.351	-9	0.00009	0.0002	0.00112	0.377	0.000037
11:04:34.351	-9	0.00009	0.00022	0.00121	0.374	0.000036
11:04:35.351	-9	0.00008	0.00019	0.00119	0.419	0.000041
11:04:36.351	-9	0.00008	0.00022	0.00114	0.522	0.000051
11:04:37.351	-9	0.00008	0.00021	0.00125	0.627	0.000061
11:04:38.351	-9	0.00008	0.00021	0.00136	0.7	0.000068
11:04:39.351	-9	0.00008	0.00022	0.00119	0.794	0.000077
11:04:40.351	-9	0.00008	0.00022	0.00109	0.893	0.000087
11:04:41.351	-9	0.00008	0.00022	0.00135	0.976	0.000095
11:04:42.351	-9	0.00008	0.00022	0.00135	1.025	0.000099
11:04:43.351	-9	0.00008	0.00024	0.00126	1.056	0.000102
11:04:44.351	-9	0.00008	0.00023	0.00121	1.062	0.000103
11:04:45.351	-9	0.00008	0.00023	0.00121	1.065	0.000103
11:04:46.351	-9	0.00008	0.00024	0.00123	1.083	0.000105
11:04:47.351	-9	0.00008	0.00022	0.00114	1.076	0.000104
11:04:48.351	-9	0.00008	0.00024	0.00111	1.074	0.000104
11:04:49.351	-9	0.00008	0.00022	0.00111	1.074	0.000104
11:04:50.351	-9	0.00008	0.00023	0.0011	1.061	0.000103
11:04:51.351	-9	0.00008	0.00023	0.0011	1.059	0.000103
11:04:52.351	-9	0.00008	0.00023	0.0011	1.064	0.000103
11:04:53.351	-9	0.00008	0.00023	0.00109	1.054	0.000102
11:04:54.351	-9	0.00008	0.00022	0.00109	1.055	0.000102
11:04:55.351	-9	0.00008	0.00024	0.00109	1.059	0.000103
11:04:56.351	-9	0.00008	0.00022	0.00109	1.059	0.000103
11:04:57.351	-9	0.00008	0.00023	0.00108	1.057	0.000103
11:04:58.351	-9	0.00008	0.00022	0.00099	1.065	0.000103
11:04:59.351	-9	0.00008	0.00022	0.00098	1.062	0.000103
11:05:00.351	-9	0.00008	0.00024	0.00098	1.067	0.000103

0.2	4.50E+00	3.500	2.000	2.851	1.629	38.000	190.4	16.25743	1016	3.826	81.4	225.204208	219.937431
3.8	4.50E+00	3.500	2.000	2.840	1.623	39.800	190.4	24.4045	1399	5.904	67.2	227.036221	227.170947
4	4.40E+00	3.500	2.000	2.819	1.611	38.100	190.4	26.74766	1573	7.45	43	229.106993	231.562927
7.7	4.60E+00	3.500	2.200	2.811	1.765	39.900	190.4	22.61475	1194	8.54	43	229.666315	232.9664
7.8	4.70E+00	3.500	2.300	2.816	1.851	39.500	190.4	21.44226	1274	9.874	52.7	229.909889	234.868817
9.9	5.20E+00	3.600	2.800	2.905	2.258	38.500	190.4	23.04905	1319	10.453	58.8	230.649254	237.640421
10	5.20E+00	3.600	2.900	2.895	2.332	40.000	190.4	21.9313	1355	10.744	43.1	228.8265	238.269398
11.9	5.20E+00	3.600	2.900	2.895	2.332	38.400	190.4	22.85105	1438	11.18	48	228.803158	236.911722
11.9	5.20E+00	3.600	2.900	2.903	2.339	40.800	190.4	25.38806	1489	12.42	45.9	231.864035	239.146717
12.8	5.30E+00	3.600	2.900	2.910	2.344	38.200	190.4	23.714	1486	12.627	41.2	231.708316	236.4872
12.8	5.30E+00	3.600	2.900	2.922	2.354	35.500	190.4	25.45088	1542	13.04	40.2	229.005	230.764501
13.6	5.40E+00	3.600	3.000	2.950	2.459	36.300	190.4	20.75241	1517	13.293	35.7	227.874615	226.316306
13.6	5.40E+00	3.600	3.000	2.967	2.473	35.900	190.4	21.90311	1280	13.66	37.9	225.085294	221.195294
14	5.50E+00	3.600	3.000	2.979	2.483	38.600	190.4	14.42469	857	13.341	25.2	222.642536	216.197849
13.9	5.60E+00	3.600	3.100	2.986	2.571	36.000	190.4	12.85641	953	11.818	10.5	219.724948	209.661762
12.9	5.60E+00	3.600	3.100	2.991	2.575	38.000	190.4	11.35196	929	10.232	15.1	216.065417	203.177662
12.8	5.50E+00	3.500	3.100	2.916	2.580	37.000	190.4	11.11046	837	8.875	26.9	215.631538	198.634138
9.9	5.40E+00	3.400	3.000	2.846	2.511	37.800	190.4	11.32691	803	7.792	30	214.215123	195.748115
9.8	5.10E+00	3.300	2.800	2.778	2.358	39.000	190.4	11.4583	801	6.4	43.5	212.340377	194.5
7.2	5.00E+00	3.200	2.700	2.701	2.279	36.700	190.4	12.13	828	4.747	47.9	212.016699	195.015485
7.1	4.70E+00	3.100	2.500	2.616	2.112	39.200	190.4	11.57706	781	3.73	43.1	212.038446	195.919775
4.4	4.50E+00	3.100	2.300	2.609	1.935	35.500	190.4	11.37662	754	2.658	53	212.851927	196.7436
4.3	4.50E+00	3.100	2.300	2.596	1.926	39.100	190.4	12.21998	802	2.48	52.6	213.486564	198.794538
2.9	4.40E+00	3.100	2.200	2.582	1.835	37.100	190.4	12.01723	784	1.86	52.2	213.852273	201.837137
2.9	4.40E+00	3.100	2.200	2.572	1.826	37.000	190.4	11.97	780	0.747	50.6	217.405581	204.56642
1.4	4.40E+00	3.100	2.200	2.561	1.817	38.400	190.4	12.02988	785	0	50.4	218.627586	206.692079
1.4	4.30E+00	3.100	2.100	2.548	1.727	38.500	190.4	12.03963	776	0	48.7	218.63	207.84452
0	4.30E+00	3.100	2.200	2.538	1.800	39.700	190.4	11.96811	774	0	49.8	218.248237	208.808058
0	4.30E+00	3.100	2.200	2.531	1.796	39.000	190.4	11.98277	775	0	49	218.512977	209.717647
0	4.20E+00	3.100	2.100	2.527	1.712	42.000	190.4	11.93856	775	0	49.4	218.529231	210.634234
0	4.30E+00	3.100	2.200	2.527	1.793	39.900	190.4	12.05699	779	0	49.4	218.9575	211.633163
0	4.20E+00	3.000	2.200	2.446	1.794	39.700	190.4	11.88663	776	0	49	218.918208	212.3312
0	4.10E+00	2.900	2.100	2.366	1.712	41.000	190.4	12.21659	773	0	49	218.695307	212.6
0	4.10E+00	2.900	2.100	2.365	1.712	38.000	190.4	12.08324	777	0	48.6	218.687669	212.6
0	4.10E+00	2.900	2.100	2.365	1.713	41.500	190.4	11.97565	772	0	49	218.223327	212.923754
0	4.10E+00	2.900	2.100	2.365	1.713	38.100	190.4	12.09357	779	0	49.4	218.619439	213.586938
0	4.10E+00	2.900	2.100	2.365	1.713	41.100	190.4	11.92387	778	0	48.7	219.325319	213.9
0	4.20E+00	3.000	2.100	2.447	1.713	39.500	190.4	11.9296	781	0	48.9	219.230769	213.9
0	4.20E+00	3.100	2.000	2.528	1.632	39.400	190.4	12.05	778	0	48.3	218.697414	213.9
0	4.20E+00	3.100	2.000	2.528	1.631	40.100	190.4	11.92933	777	0	49.2	218.700867	214.278222
0	4.20E+00	3.100	2.000	2.528	1.631	38.400	190.4	11.91821	784	0	49.9	218.575992	214.5
0	4.20E+00	3.100	2.000	2.529	1.631	41.500	190.4	11.98135	780	0	48.3	218.615355	214.5
0	4.20E+00	3.100	2.000	2.529	1.632	38.500	190.4	11.90942	779	0	48.6	218.484069	214.5
0	4.20E+00	3.200	2.000	2.609	1.632	40.900	190.4	12.05402	776	0	48.2	218.353468	214.5
0	4.20E+00	3.200	2.000	2.610	1.631	39.300	190.4	11.99594	776	0	48.4	217.660452	214.5
0	4.20E+00	3.200	2.000	2.609	1.631	39.500	190.4	12.01505	778	0	49.4	218.001018	214.890928
0	4.20E+00	3.200	2.000	2.609	1.631	41.700	190.4	12.01135	775	0	49	217.818147	214.706343

0.73171	0.87089	7.09008	10898.977
0.73188	0.87134	7.09209	10901.267
0.73206	0.8718	7.0946	10903.999
0.73223	0.87224	7.09624	10906.601
0.73239	0.87265	7.09763	10909.007
0.73257	0.87305	7.0992	10911.304
0.73275	0.87347	7.10088	10913.734
0.73294	0.8739	7.10236	10916.323
0.73314	0.87437	7.1039	10918.892
0.73334	0.87481	7.1058	10921.378
0.73354	0.87523	7.10768	10923.719
0.73374	0.87564	7.10941	10925.59
0.73391	0.87598	7.11104	10926.998
0.73404	0.87626	7.11255	10927.966
0.73416	0.8765	7.11371	10928.797
0.73427	0.87672	7.11481	10929.494
0.73437	0.87692	7.11595	10930.104
0.73446	0.87712	7.11697	10930.612
0.73455	0.87733	7.11789	10931.025
0.73464	0.87753	7.11901	10931.402
0.73473	0.87775	7.12022	10931.776
0.73481	0.87794	7.12141	10932.195
0.73489	0.87816	7.12255	10932.717
0.73497	0.87837	7.1238	10933.344
0.73505	0.87858	7.12516	10934.044
0.73513	0.8788	7.12635	10934.838
0.73521	0.87902	7.12744	10935.731
0.73529	0.87924	7.12879	10936.707
0.73537	0.87946	7.13014	10937.732
0.73545	0.8797	7.1314	10938.788
0.73553	0.87993	7.13261	10939.85
0.73561	0.88016	7.13382	10940.915
0.73569	0.8804	7.13505	10941.998
0.73577	0.88062	7.13619	10943.074
0.73585	0.88086	7.1373	10944.148
0.73593	0.88108	7.13841	10945.222
0.73601	0.88131	7.13951	10946.283
0.73609	0.88154	7.14061	10947.342
0.73617	0.88177	7.14171	10948.406
0.73625	0.882	7.1428	10949.46
0.73633	0.88222	7.14389	10950.515
0.73641	0.88246	7.14498	10951.574
0.73649	0.88268	7.14607	10952.633
0.73657	0.88291	7.14715	10953.69
0.73665	0.88313	7.14814	10954.755
0.73673	0.88335	7.14912	10955.817
0.73681	0.88359	7.1501	10956.884

11:05:01.351	-9	0.00008	0.00022	0.00104	1.078	0.000104
11:05:02.351	-9	0.00008	0.00024	0.00103	1.072	0.000104
11:05:03.351	-9	0.00008	0.00022	0.00087	1.065	0.000103
11:05:04.351	-9	0.00008	0.00024	0.00087	1.066	0.000103
11:05:05.351	-9	0.00008	0.00022	0.00087	1.072	0.000104
11:05:06.351	-9	0.00008	0.00022	0.00087	1.068	0.000103
11:05:07.351	-9	0.00008	0.00024	0.00087	1.071	0.000104
11:05:08.351	-9	0.00008	0.00022	0.00087	1.071	0.000104
11:05:09.351	-9	0.00008	0.00023	0.00087	1.067	0.000103
11:05:10.351	-9	0.00008	0.00022	0.00087	1.069	0.000104
11:05:11.351	-9	0.00008	0.00023	0.00087	1.067	0.000103
11:05:12.351	-9	0.00008	0.00022	0.00086	1.063	0.000103
11:05:13.351	-9	0.00008	0.00023	0.00087	1.067	0.000103
11:05:14.351	-9	0.00008	0.00025	0.00087	1.071	0.000104
11:05:15.351	-9	0.00008	0.00023	0.00087	1.07	0.000104
11:05:16.351	-9	0.00008	0.00024	0.00087	1.073	0.000104
11:05:17.351	-9	0.00008	0.00022	0.00096	1.078	0.000104
11:05:18.351	-9	0.00008	0.00023	0.00098	1.071	0.000104
11:05:19.351	-9	0.00008	0.00022	0.00102	1.07	0.000104
11:05:20.351	-9	0.00008	0.00022	0.00108	1.069	0.000104
11:05:21.351	-9	0.00009	0.00025	0.00119	1.177	0.000114
11:05:22.351	-9	0.0001	0.00025	0.00125	1.232	0.000119
11:05:23.351	-9	0.0001	0.00028	0.0013	1.295	0.000126
11:05:24.351	-9	0.00013	0.00035	0.00163	1.769	0.000171
11:05:25.351	-9	0.00019	0.00053	0.00233	2.688	0.00026
11:05:26.351	-9	0.00022	0.00062	0.00297	3.867	0.000374
11:05:27.351	-9	0.00024	0.00058	0.00274	3.798	0.000368
11:05:28.351	-9	0.00023	0.00049	0.00214	3.187	0.000308
11:05:29.351	-9	0.00019	0.00033	0.0017	2.229	0.000216
11:05:30.351	-9	0.00022	0.00041	0.00175	2.355	0.000228
11:05:31.351	-9	0.00023	0.00039	0.00136	2.085	0.000202
11:05:32.351	-9	0.00017	0.00031	0.00085	1.177	0.000114
11:05:33.351	-9	0.0002	0.00036	0.00138	1.329	0.000129
11:05:34.351	-9	0.00019	0.00032	0.0017	1.175	0.000114
11:05:35.351	-9	0.00018	0.00034	0.00216	1.187	0.000115
11:05:36.351	-9	0.00017	0.00031	0.0022	1.278	0.000124
11:05:37.351	-9	0.00014	0.00028	0.00163	1.276	0.000124
11:05:38.351	-9	0.00018	0.00041	0.002	2.044	0.000198
11:05:39.351	-9	0.00014	0.00035	0.0015	1.355	0.000131
11:05:40.351	-9	0.0001	0.00026	0.00121	0.885	0.000086
11:05:41.351	-9	0.00009	0.00022	0.0011	0.733	0.000071
11:05:42.351	-9	0.00014	0.00034	0.00161	1.011	0.000098
11:05:43.351	-9	0.00012	0.00027	0.00127	0.652	0.000063
11:05:44.351	-9	0.00011	0.00027	0.00124	0.483	0.000047
11:05:45.351	-9	0.0001	0.00024	0.00132	0.506	0.000049
11:05:46.351	-9	0.00009	0.00023	0.00116	0.534	0.000052
11:05:47.351	-9	0.00009	0.00022	0.00104	0.55	0.000053

0	4.20E+00	3.200	2.000	2.609	1.631	39.000		12.1181	788	0	48.7	217.54875	214.8918
0	4.20E+00	3.200	2.000	2.609	1.631	42.000		11.9215	779	0	49	217.211204	215.1
0	4.20E+00	3.200	2.000	2.609	1.631	38.300		12.11	778	0	49.1	217.00625	215.1
0	4.20E+00	3.200	2.000	2.609	1.631	41.500		12.00444	780	0	49.6	217.032292	215.1
0	4.20E+00	3.200	2.000	2.609	1.631	39.100		11.92229	779	0	48.3	216.559186	215.1
0	4.20E+00	3.200	2.000	2.609	1.630	39.200	190.4	11.89575	778	0	48.7	216.848396	215.1
0	4.20E+00	3.200	2.000	2.609	1.630	41.900	190.4	11.88898	781	0	49.1	216.795676	215.1
0	4.30E+00	3.200	2.100	2.609	1.712	38.900	190.4	12.02885	777	0	49.6	216.987212	215.1
0	4.30E+00	3.200	2.100	2.609	1.712	41.300	190.4	11.95796	781	0	49.8	216.459529	215.1
0	4.30E+00	3.200	2.100	2.609	1.712	38.500	190.4	12.00932	778	0	49	215.651282	215.1
0	4.40E+00	3.300	2.100	2.691	1.712	40.700	190.4	12.02311	778	0	48.3	215.74787	214.934707
0	4.40E+00	3.400	2.000	2.773	1.631	39.600	190.4	12.05333	779	0	48.2	215.501566	214.693586
0	4.50E+00	3.500	2.000	2.852	1.631	40.300	190.4	11.8531	779	0	49.2	215.743461	215.1
0	4.50E+00	3.500	2.000	2.854	1.631	44.000	190.4	11.8353	780	0	50	215.429314	215.1
0	4.40E+00	3.500	1.900	2.854	1.549	40.300	190.4	11.94875	777	0	48.6	215.429314	215.1
0	4.40E+00	3.400	2.000	2.774	1.629	42.000	190.4	12.00151	777	0	48.5	215.365102	215.1
0	4.40E+00	3.400	2.000	2.772	1.631	39.100	190.4	12.14342	776	0	48.3	215.1	215.1
0	4.40E+00	3.400	2.000	2.772	1.631	41.400	190.4	11.96814	781	0	49	215.1	215.1
0	4.40E+00	3.400	2.000	2.772	1.631	39.900	190.4	11.94323	782	0	49.8	215.1	215.1
0	4.40E+00	3.400	2.000	2.772	1.631	39.800	190.4	11.90677	777	0	49.1	214.992486	214.827872
0	4.50E+00	3.500	2.000	2.854	1.631	40.500		12.1552	825	0	54.2	214.853471	215.352178
0	4.50E+00	3.500	2.000	2.854	1.631	38.200		14.0747	882	1.445	50.6	215.65173	217.26103
0.8	4.50E+00	3.500	2.000	2.853	1.630	42.000		14.52096	878	2.902	49.1	216.511022	218.652696
0.9	4.40E+00	3.400	2.000	2.769	1.628	39.100		18.03148	1158	4.155	65.6	216.773033	221.159319
4.3	4.40E+00	3.400	2.000	2.758	1.622	40.700		28.33135	1497	6.436	73.2	218.574038	229.58012
4.5	4.20E+00	3.300	2.000	2.646	1.604	39.200	190.4	37.87906	1778	8.278	59.1	224.715209	241.737721
8.5	4.90E+00	3.300	2.800	2.637	2.228	39.400	190.4	29.43245	1471	10.119	63.6	229.65282	250.735294
8.6	5.60E+00	3.400	3.600	2.720	2.876	39.200	190.4	20.82166	1388	11.18	43.2	233.230146	252.948441
11.6	6.20E+00	3.600	4.100	2.890	3.291	35.800	190.4	27.03357	1367	11.8	20.7	230.187981	248.446092
11.6	6.40E+00	3.700	4.200	2.984	3.389	38.700	190.4	11.51334	1261	11.376	11.3	227.631034	240.9336
12.2	6.60E+00	3.800	4.300	3.091	3.499	36.700		23.64046	1378	11.585	28.2	223.855641	233.374633
12.2	6.50E+00	3.800	4.100	3.136	3.392	38.800		13.59087	1167	11.4	3.1	221.400385	227.027327
12.2	6.20E+00	3.800	3.700	3.148	3.067	36.300		21.66896	1335	11.18	26.1	217.888778	221.043878
12.2	5.70E+00	3.700	3.200	3.079	2.664	33.300		19.23866	1281	10.985	23.2	216.687812	217.910778
11.6	5.30E+00	3.700	2.700	3.084	2.252	32.800		22.41884	1423	11.604	50.8	214.671676	217.9464
11.6	5.00E+00	3.500	2.500	2.907	2.078	30.400	190.4	23.97034	1481	12.21	50.9	217.043396	221.399904
12.5	4.90E+00	3.500	2.500	2.883	2.059	34.200	190.4	13.83797	1364	12.42	21.8	217.113722	220.205011
12.5	4.80E+00	3.500	2.400	2.863	1.965	36.000	190.4	25.23627	1421	12.42	25	215.404518	216.157332
13	4.90E+00	3.500	2.400	2.879	1.974	40.900	190.4	20.64382	1391	12.42	20	213.827413	212.488599
13	4.90E+00	3.500	2.400	2.893	1.984	41.000		10.052	1022	11.8	10.2	212.603276	206.760396
12.4	4.90E+00	3.500	2.400	2.902	1.990	38.900		9.51511	977	10.635	11.2	210.289414	201.230099
12.3	4.90E+00	3.500	2.400	2.914	1.999	39.100		20.0674	1253	10.56	24.9	208.329231	198.566172
10.9	4.90E+00	3.500	2.400	2.935	2.013	38.000		11.46076	926	8.889	14.3	207.791919	197.041344
10.9	5.00E+00	3.500	2.400	2.950	2.023	41.300		12.7778	808	6.986	33.6	207.333333	195.289406
10.8	4.80E+00	3.400	2.300	2.859	1.934	39.000	190.4	12.56316	828	4.504	47.5	206.566667	195.1372
7.7	4.70E+00	3.300	2.300	2.767	1.928	39.000	190.4	11.41331	751	2.578	53.3	206.818421	196.262717
3.3	4.60E+00	3.300	2.200	2.764	1.843	37.600	190.4	12.11	797	1.372	51.8	206.97814	198.463003

0.73689	0.88381	7.15114	10957.962
0.73697	0.88405	7.15217	10959.034
0.73705	0.88427	7.15304	10960.099
0.73713	0.88451	7.15391	10961.165
0.73721	0.88473	7.15478	10962.237
0.73729	0.88495	7.15565	10963.305
0.73737	0.88519	7.15652	10964.376
0.73745	0.88541	7.15739	10965.447
0.73753	0.88564	7.15826	10966.514
0.73761	0.88586	7.15913	10967.583
0.73769	0.88609	7.16	10968.65
0.73777	0.88631	7.16086	10969.713
0.73785	0.88654	7.16173	10970.78
0.73793	0.88679	7.1626	10971.851
0.73801	0.88702	7.16347	10972.921
0.73809	0.88726	7.16434	10973.994
0.73817	0.88748	7.1653	10975.072
0.73825	0.88771	7.16628	10976.143
0.73833	0.88793	7.1673	10977.213
0.73841	0.88815	7.16838	10978.282
0.7385	0.8884	7.16957	10979.459
0.7386	0.88865	7.17082	10980.691
0.7387	0.88893	7.17212	10981.986
0.73883	0.88928	7.17375	10983.755
0.73902	0.88981	7.17608	10986.443
0.73924	0.89043	7.17905	10990.31
0.73948	0.89101	7.18179	10994.108
0.73971	0.8915	7.18393	10997.295
0.7399	0.89183	7.18563	10999.524
0.74012	0.89224	7.18738	11001.879
0.74035	0.89263	7.18874	11003.964
0.74052	0.89294	7.18959	11005.141
0.74072	0.8933	7.19097	11006.47
0.74091	0.89362	7.19267	11007.645
0.74109	0.89396	7.19483	11008.832
0.74126	0.89427	7.19703	11010.11
0.7414	0.89455	7.19866	11011.386
0.74158	0.89496	7.20066	11013.43
0.74172	0.89531	7.20216	11014.785
0.74182	0.89557	7.20337	11015.67
0.74191	0.89579	7.20447	11016.403
0.74205	0.89613	7.20608	11017.414
0.74217	0.8964	7.20735	11018.066
0.74228	0.89667	7.20859	11018.549
0.74238	0.89691	7.20991	11019.055
0.74247	0.89714	7.21107	11019.589
0.74256	0.89736	7.21211	11020.139

11:05:48.351	-9	0.00008	0.00021	0.001	0.569	0.000055
11:05:49.351	-9	0.00008	0.00022	0.00109	0.651	0.000063
11:05:50.351	-9	0.00008	0.00021	0.0012	0.77	0.000075
11:05:51.351	-9	0.00008	0.00022	0.00118	0.878	0.000085
11:05:52.351	-9	0.00008	0.00022	0.00108	0.953	0.000092
11:05:53.351	-9	0.00008	0.00023	0.0009	0.985	0.000095
11:05:54.351	-9	0.00009	0.00023	0.00094	1.027	0.0001
11:05:55.351	-9	0.00009	0.00023	0.00099	1.034	0.0001
11:05:56.351	-9	0.00009	0.00025	0.00096	1.042	0.000101
11:05:57.351	-9	0.00009	0.00024	0.00088	1.045	0.000101
11:05:58.351	-9	0.00009	0.00025	0.00088	1.049	0.000102
11:05:59.351	-9	0.00009	0.00024	0.00088	1.059	0.000103
11:06:00.351	-9	0.00009	0.00024	0.00087	1.055	0.000102
11:06:01.351	-9	0.00009	0.00024	0.00087	1.047	0.000102
11:06:02.351	-9	0.00009	0.00023	0.00086	1.037	0.000101
11:06:03.351	-9	0.00009	0.00024	0.00086	1.06	0.000103
11:06:04.351	-9	0.00009	0.00023	0.00087	1.074	0.000104
11:06:05.351	-9	0.00009	0.00025	0.00087	1.074	0.000104
11:06:06.351	-9	0.00009	0.00023	0.00094	1.069	0.000104
11:06:07.351	-9	0.00009	0.00024	0.00097	1.065	0.000103
11:06:08.351	-9	0.00009	0.00024	0.00097	1.06	0.000103
11:06:09.351	-9	0.00009	0.00023	0.00096	1.062	0.000103
11:06:10.351	-9	0.0001	0.00025	0.00088	1.065	0.000103
11:06:11.351	-9	0.0001	0.00023	0.00095	1.06	0.000103
11:06:12.351	-9	0.0001	0.00025	0.0011	1.059	0.000103
11:06:13.351	-8.8	0.0001	0.00024	0.00119	1.066	0.000103
11:06:14.351	-8.2	0.0001	0.00025	0.00119	1.061	0.000103
11:06:15.351	-9	0.0001	0.00024	0.00117	1.058	0.000103
11:06:16.351	-9	0.0001	0.00024	0.00108	1.055	0.000102
11:06:17.351	-9	0.0001	0.00024	0.00107	1.055	0.000102
11:06:18.351	-9	0.0001	0.00024	0.00108	1.058	0.000103
11:06:19.351	-9	0.0001	0.00025	0.00103	1.062	0.000103
11:06:20.351	-9	0.0001	0.00025	0.00097	1.068	0.000104
11:06:21.351	-9	0.0001	0.00026	0.00097	1.067	0.000103
11:06:22.351	-9	0.0001	0.00024	0.00097	1.065	0.000103
11:06:23.351	-9	0.0001	0.00023	0.00097	1.065	0.000103
11:06:24.351	-9	0.0001	0.00023	0.00097	1.063	0.000103
11:06:25.351	-9	0.0001	0.00023	0.00097	1.066	0.000103
11:06:26.351	-9	0.0001	0.00024	0.00097	1.068	0.000104
11:06:27.351	-9	0.0001	0.00022	0.00096	1.065	0.000103
11:06:28.351	-9	0.0001	0.00023	0.00087	1.066	0.000103
11:06:29.351	-9	0.00009	0.00023	0.00086	1.065	0.000103
11:06:30.351	-9	0.0001	0.00022	0.00086	1.075	0.000104
11:06:31.351	-9	0.0001	0.00024	0.00086	1.072	0.000104
11:06:32.351	-8.8	0.00009	0.00022	0.00086	1.067	0.000103
11:06:33.351	-8.2	0.00009	0.00023	0.00086	1.067	0.000103
11:06:34.351	-9	0.0001	0.00023	0.00087	1.08	0.000105

3.2	4.50E+00	3.300	2.100	2.759	1.756	37.400	190.4	11.8489	784	0	49.9	209.93047	201.087586
0	4.50E+00	3.300	2.100	2.747	1.748	39.000	190.4	11.92536	779	0	49.8	211.1625	203.136735
0	4.50E+00	3.300	2.100	2.730	1.737	36.600	190.4	11.94399	782	0	48.8	212.364528	204.693471
0	4.40E+00	3.300	2.100	2.713	1.727	39.900	190.4	11.72608	779	0	49.7	211.822158	206.0102
0	4.40E+00	3.300	2.100	2.703	1.720	38.800	190.4	11.76819	778	0	49.6	211.670842	207.412009
0	4.50E+00	3.400	2.100	2.778	1.716	41.100	190.4	11.92354	779	0	49.4	210.915526	208.083817
0	4.60E+00	3.500	2.100	2.857	1.715	40.900	190.4	11.92775	776	0	49.8	210.764961	208.805444
0	4.60E+00	3.500	2.100	2.858	1.715	40.300	190.4	12.04727	781	0	49.1	210.944615	210
0	4.60E+00	3.500	2.100	2.857	1.714	43.100	190.4	11.993	778	0	48.6	210.618373	210.165293
0	4.60E+00	3.500	2.100	2.855	1.713	41.300	190.4	11.84938	779	0	49.6	210.916082	210.80815
0	4.60E+00	3.500	2.100	2.854	1.713	44.000	190.4	11.78308	776	0	49.8	211.2	211.523625
0	4.60E+00	3.600	2.100	2.935	1.712	41.200	190.4	11.78459	777	0	50.5	211.541762	212
0	4.70E+00	3.600	2.200	2.935	1.792	43.000	190.4	12.15391	780	0	48.5	211.546084	212.253152
0	4.90E+00	3.800	2.200	3.094	1.793	42.300	190.4	11.86493	777	0	48.9	211.864607	212.364202
0	5.00E+00	3.900	2.200	3.179	1.793	41.500	190.4	11.609	778	0	49.8	211.34934	212.288491
0	5.00E+00	3.900	2.200	3.176	1.792	43.000	190.4	11.80192	780	0	49.1	211.346704	212.6
0	5.00E+00	3.900	2.200	3.174	1.791	41.000		11.74609	779	0	50.5	211.495849	212.975652
0	5.00E+00	3.900	2.200	3.175	1.791	43.500		11.86825	782	0	49.6	211.16	212.8064
0	5.00E+00	3.900	2.200	3.175	1.791	41.100		11.97924	779	0	48.5	211.51676	212.985882
0	5.00E+00	3.900	2.300	3.175	1.872	42.900		11.85257	778	0	50.1	211.167755	213.2
0	5.00E+00	3.900	2.300	3.175	1.872	42.100		11.76107	777	0	49.9	211.161079	213.2
0	5.00E+00	3.900	2.300	3.175	1.872	41.200	190.4	11.69408	776	0	50	211.156028	213.2
0	5.10E+00	3.900	2.400	3.175	1.954	44.000	190.4	11.92091	783	0	49.4	210.96	213.2
0	5.10E+00	3.900	2.400	3.175	1.954	41.500	190.4	11.64973	780	0	50.3	210.961111	213.2
0	5.10E+00	3.900	2.400	3.175	1.954	44.000	190.4	11.76117	777	0	49.2	210.882255	213.2
0	5.10E+00	3.900	2.400	3.177	1.955	42.000	190.4	11.83983	778	0	48.9	210.645283	213.2
0	5.10E+00	3.900	2.400	3.180	1.957	43.900	190.4	11.66734	777	0	49.7	210.659885	213.2
0	5.10E+00	3.900	2.400	3.174	1.953	43.200	190.4	11.96675	782	0	49.9	210.0842	213.2
0	5.10E+00	3.900	2.400	3.174	1.954	42.700	190.4	11.82647	777	0	49.4	210.070906	213.2
0	5.10E+00	3.800	2.500	3.093	2.035	43.800	190.4	11.85023	781	0	49.4	210.840586	213.2
0	5.10E+00	3.800	2.500	3.093	2.035	42.500	190.4	11.76851	777	0	49.4	210.94389	212.650217
0	5.10E+00	3.800	2.500	3.092	2.034	44.200	190.4	11.72097	779	0	50	211.310256	213.2
0	5.20E+00	3.800	2.600	3.092	2.116	45.000	190.4	11.91	781	0	49.1	211.567568	213.2
0	5.20E+00	3.800	2.600	3.092	2.115	45.500	190.4	11.62684	776	0	49.5	211.564865	213.2
0	5.30E+00	3.900	2.600	3.173	2.115	43.100	190.4	11.86165	779	0	48.9	211.626735	213.2
0	5.20E+00	3.800	2.600	3.091	2.115	41.000	190.4	11.64853	777	0	49.5	211.383333	213.2
0	5.20E+00	3.800	2.600	3.091	2.115	41.300	190.4	11.73156	777	0	50.7	211.618919	213.2
0	5.20E+00	3.800	2.600	3.091	2.115	40.300	190.4	11.74	781	0	49.8	211.256667	213.2
0	5.10E+00	3.700	2.600	3.010	2.115	42.600	190.4	11.91056	778	0	49.1	211.566875	213.2
0	5.10E+00	3.700	2.600	3.010	2.116	40.100	190.4	11.72397	778	0	49.3	211.878035	213.2
0	5.20E+00	3.700	2.700	3.010	2.196	41.900	190.4	11.78327	778	0	49.4	211.586965	213.2
0	5.10E+00	3.600	2.700	2.928	2.196	41.300		11.78916	779	0	49.7	211.891875	213.2
0	5.10E+00	3.600	2.700	2.928	2.196	39.800		11.7902	782	0	48.8	211.837849	213.2
0	5.10E+00	3.600	2.700	2.927	2.196	42.400		11.75963	779	0	49.6	211.788344	213.2
0	5.00E+00	3.500	2.700	2.848	2.197	39.500		11.8397	781	0	49.5	211.573469	213.2
0	5.10E+00	3.500	2.700	2.851	2.199	41.800		11.87366	779	0	49.4	211.808386	213.431949
0	5.10E+00	3.600	2.700	2.928	2.196	39.900	190.7	11.7233	780	0	50	212.107407	213.674777

0.74264	0.89757	7.21311	11020.708
0.74272	0.89779	7.2142	11021.359
0.7428	0.898	7.2154	11022.129
0.74288	0.89822	7.21658	11023.007
0.74296	0.89844	7.21766	11023.96
0.74304	0.89867	7.21856	11024.945
0.74313	0.8989	7.2195	11025.972
0.74322	0.89913	7.22049	11027.006
0.74331	0.89938	7.22145	11028.048
0.7434	0.89962	7.22233	11029.093
0.74349	0.89987	7.22321	11030.142
0.74358	0.90011	7.22409	11031.201
0.74367	0.90035	7.22496	11032.256
0.74376	0.90059	7.22583	11033.303
0.74385	0.90082	7.22669	11034.34
0.74394	0.90106	7.22755	11035.4
0.74403	0.90129	7.22842	11036.474
0.74412	0.90154	7.22929	11037.548
0.74421	0.90177	7.23023	11038.617
0.7443	0.90201	7.2312	11039.682
0.74439	0.90225	7.23217	11040.742
0.74448	0.90248	7.23313	11041.804
0.74458	0.90273	7.23401	11042.869
0.74468	0.90296	7.23496	11043.929
0.74478	0.90321	7.23606	11044.988
0.74488	0.90345	7.23725	11046.054
0.74498	0.9037	7.23844	11047.115
0.74508	0.90394	7.23961	11048.173
0.74518	0.90418	7.24069	11049.228
0.74528	0.90442	7.24176	11050.283
0.74538	0.90466	7.24284	11051.341
0.74548	0.90491	7.24387	11052.403
0.74558	0.90516	7.24484	11053.471
0.74568	0.90542	7.24581	11054.538
0.74578	0.90566	7.24678	11055.603
0.74588	0.90589	7.24775	11056.668
0.74598	0.90612	7.24872	11057.731
0.74608	0.90635	7.24969	11058.797
0.74618	0.90659	7.25066	11059.865
0.74628	0.90681	7.25162	11060.93
0.74638	0.90704	7.25249	11061.996
0.74647	0.90727	7.25335	11063.061
0.74657	0.90749	7.25421	11064.136
0.74667	0.90773	7.25507	11065.208
0.74676	0.90795	7.25593	11066.275
0.74685	0.90818	7.25679	11067.342
0.74695	0.90841	7.25766	11068.422

11:06:35.351	-9	0.00011	0.00025	0.00096	1.196	0.000116
11:06:36.351	-9	0.00012	0.00029	0.00111	1.378	0.000134
11:06:37.351	-9	0.00014	0.00034	0.00129	1.626	0.000158
11:06:38.351	-9	0.00019	0.00046	0.00182	2.331	0.000226
11:06:39.351	-9	0.00025	0.00054	0.00272	3.5	0.000339
11:06:40.351	-9	0.00025	0.00054	0.00243	3.667	0.000355
11:06:41.351	-9	0.00024	0.00044	0.00178	3.283	0.000318
11:06:42.351	-9	0.00025	0.00042	0.00181	2.954	0.000286
11:06:43.351	-9	0.00025	0.00039	0.00177	2.703	0.000262
11:06:44.351	-9	0.00026	0.0004	0.00175	2.482	0.00024
11:06:45.351	-9	0.00026	0.00042	0.00206	2.331	0.000226
11:06:46.351	-9	0.00024	0.00038	0.00196	2.068	0.0002
11:06:47.351	-9	0.00018	0.00033	0.00159	1.507	0.000146
11:06:48.351	-9	0.00021	0.00039	0.00178	1.607	0.000156
11:06:49.351	-9	0.00018	0.00036	0.00123	1.114	0.000108
11:06:50.351	-9	0.00015	0.00031	0.00096	0.761	0.000074
11:06:51.351	-9	0.00016	0.00033	0.00155	0.809	0.000079
11:06:52.351	-9	0.00016	0.00037	0.00168	0.792	0.000077
11:06:53.351	-9	0.00017	0.00036	0.00211	0.83	0.000081
11:06:54.351	-9	0.00018	0.00044	0.00231	1.05	0.000102
11:06:55.351	-9	0.00019	0.00045	0.00223	1.396	0.000136
11:06:56.351	-9	0.00017	0.00041	0.00185	1.413	0.000137
11:06:57.351	-9	0.00013	0.00031	0.00173	1.257	0.000122
11:06:58.351	-9	0.0001	0.00025	0.00123	1.056	0.000102
11:06:59.351	-9	0.00008	0.00021	0.00093	0.9	0.000087
11:07:00.351	-9	0.00008	0.00019	0.00091	0.842	0.000082
11:07:01.351	-9	0.00008	0.00021	0.00095	0.832	0.000081
11:07:02.351	-9	0.00008	0.0002	0.00084	0.699	0.000068
11:07:03.351	-9	0.00008	0.0002	0.00069	0.53	0.000051
11:07:04.351	-9	0.00008	0.00019	0.00083	0.397	0.000039
11:07:05.351	-9	0.00008	0.00018	0.00076	0.308	0.00003
11:07:06.351	-9	0.00008	0.00021	0.00092	0.264	0.000026
11:07:07.351	-9	0.00009	0.00024	0.00121	0.256	0.000025
11:07:08.351	-9	0.00009	0.0003	0.00135	0.252	0.000025
11:07:09.351	-9	0.00009	0.00026	0.00107	0.254	0.000025
11:07:10.351	-9	0.00008	0.00026	0.00098	0.302	0.000029
11:07:11.351	-9	0.00008	0.00024	0.00085	0.305	0.00003
11:07:12.351	-9	0.00008	0.00022	0.00087	0.271	0.000026
11:07:13.351	-9	0.00008	0.00023	0.00096	0.254	0.000025
11:07:14.351	-9	0.00008	0.00021	0.00101	0.317	0.000031
11:07:15.351	-9	0.00008	0.00022	0.00101	0.465	0.000045
11:07:16.351	-9	0.00008	0.00021	0.00122	0.658	0.000064
11:07:17.351	-9	0.0001	0.00027	0.00159	0.996	0.000097
11:07:18.351	-9	0.00016	0.00047	0.00231	2.042	0.000198
11:07:19.351	-9	0.00027	0.00076	0.00416	4.338	0.00042
11:07:20.351	-9	0.00036	0.00098	0.00573	6.757	0.000654
11:07:21.351	-9	0.00062	0.00096	0.00336	7.767	0.000751

0	5.10E+00	3.600	2.700	2.928	2.196	40.200
0	5.10E+00	3.600	2.700	2.928	2.196	40.200
0	5.10E+00	3.600	2.700	2.926	2.195	39.800
0.2	5.20E+00	3.600	2.800	2.913	2.266	41.000
5.5	5.10E+00	3.600	2.800	2.884	2.243	37.500
5.6	5.30E+00	3.600	3.000	2.869	2.391	38.500
8.9	5.70E+00	3.600	3.500	2.868	2.787	35.100
9	6.50E+00	3.700	4.500	2.953	3.586	35.800
11.5	7.00E+00	3.700	5.000	2.959	3.998	35.300
11.6	7.20E+00	3.900	5.000	3.135	4.020	36.800
12.7	7.20E+00	3.900	5.000	3.148	4.036	38.600
12.7	7.00E+00	3.900	4.700	3.162	3.812	37.300
13.1	6.50E+00	3.800	4.200	3.099	3.425	39.900
13.1	6.10E+00	3.600	3.800	2.960	3.125	37.800
12.5	6.00E+00	3.600	3.600	2.990	2.992	38.400
12.5	5.70E+00	3.400	3.400	2.846	2.844	39.100
12.5	5.40E+00	3.300	3.200	2.763	2.680	37.500
12.5	5.10E+00	3.200	2.900	2.686	2.435	39.100
12.2	5.00E+00	3.200	2.800	2.687	2.352	36.000
12.2	4.90E+00	3.200	2.600	2.678	2.178	39.400
13.2	4.70E+00	3.200	2.500	2.663	2.081	36.400
13.3	4.70E+00	3.200	2.500	2.649	2.070	37.700
15	4.70E+00	3.200	2.500	2.631	2.056	38.300
15	4.70E+00	3.200	2.500	2.621	2.047	39.400
15.1	4.80E+00	3.300	2.600	2.698	2.126	41.000
16.5	4.90E+00	3.300	2.700	2.700	2.209	38.700
17.4	5.00E+00	3.300	2.800	2.706	2.295	41.300
17.4	5.00E+00	3.300	2.800	2.726	2.313	39.900
18.2	5.10E+00	3.300	2.800	2.750	2.333	41.300
18.2	5.00E+00	3.200	2.700	2.685	2.265	41.200
17.6	4.90E+00	3.200	2.600	2.699	2.193	39.200
17.5	4.70E+00	3.100	2.400	2.625	2.032	41.600
15.4	4.60E+00	3.100	2.300	2.631	1.952	41.900
15.3	4.40E+00	3.100	2.100	2.634	1.785	46.100
13.1	4.30E+00	3.000	2.100	2.548	1.783	44.100
13	4.20E+00	2.900	2.000	2.458	1.696	42.500
9.1	4.10E+00	2.900	2.000	2.456	1.694	41.600
8.8	4.20E+00	2.900	2.000	2.459	1.696	37.600
3.7	4.20E+00	3.000	2.000	2.544	1.697	40.400
3.6	4.20E+00	3.000	2.000	2.537	1.691	36.900
0	4.20E+00	3.000	2.000	2.517	1.678	39.900
0	4.20E+00	3.000	2.000	2.494	1.663	37.400
0	4.20E+00	3.100	2.000	2.556	1.649	39.300
0.2	4.20E+00	3.100	2.000	2.532	1.634	40.800
4.3	4.20E+00	3.200	2.000	2.579	1.612	38.800
4.6	4.40E+00	3.300	2.200	2.618	1.748	39.200
10.4	7.10E+00	4.000	5.000	3.149	3.934	36.300

191.1	13.09344	851	0	56.3	211.69449	214.052151
191.5	13.92749	931	1.731	53.7	212.534845	216.271705
191.9	18.09041	1148	3.488	66	212.800939	220.161935
	24.05962	1398	5.768	74.7	213.410377	227.629239
	30.43073	1662	7.505	61.8	215.300567	237.07
	31.99093	1480	8.729	46.5	218.371852	245.928235
	25.76795	1409	10.016	57.2	219.923077	250.663469
	23.11	1378	11.18	45.1	221.161194	250.343689
190.4	21.58359	1430	11.8	51.4	221.113077	247.645149
190.4	22.64385	1467	11.802	51.2	219.054545	245.159892
190.4	22.86808	1467	12.42	39.2	214.818173	241.177754
190.4	21.30627	1470	12.42	18.4	211.397677	235.037801
190.4	19.94994	1218	12.577	12.9	211.94875	226.96391
190.2	22.25627	1317	11.955	17.2	211.70835	218.004595
189.9	22.27868	1339	11.8	16.2	210.840909	214.706061
189.5	12.25292	1070	11.8	10	210.567332	206.988653
189.1	16.4925	1149	11.8	28.6	208.583884	202.1758
188.7	20.03816	1391	11.847	30.2	208.127169	200.430588
188.6	21.434	1422	12.42	29.5	207.254613	199.827099
188.6	23.27449	1486	12.514	38.1	207.066258	199.791278
188.6	26.39833	1619	13.66	42.7	208.310833	203.958636
188.6	22.99291	1402	14.493	37.9	209.722857	209.341762
188.6	18.27694	1213	15.53	26.8	210.426667	210.80315
188.6	13.88469	976	15.53	14.3	209.586965	208.072827
188.6	11.11875	889	16.15	13.5	207.236364	202.17
188.6	10.26529	856	16.77	12.2	205.475391	197.200786
188.6	10.33315	858	17.39	7.5	204.824954	192.319574
188.6	10.32491	828	17.39	8.6	203.200563	188.030178
188.6	10.19751	855	17.39	9.5	201.209714	183.239286
188.6	9.6451	878	16.883	14.8	198.562963	179.482642
188.6	9.58875	817	16.125	17.5	200.403333	176.954128
188.6	10.56072	830	14.28	30.7	201.796744	175.093464
188.6	11.77641	876	13.444	23.7	204.503077	174.25383
188.6	13.33407	998	12.231	2.5	203.89017	171.495588
188.6	8.84019	933	10.22	13.8	202.732768	168.778008
188.6	12.58725	807	7.765	27.3	201.174662	167.67185
188.6	12.31054	796	5.279	44.7	203.267442	168.964239
188.6	11.25083	778	2.755	49.4	207.061228	171.884365
188.6	12.42382	807	1.391	55.4	204.764622	176.893605
188.6	11.76608	784	0.155	50.6	205.393333	181.703593
188.6	11.78749	783	0.015	49.9	201.439	184.620189
188.6	12.02864	784	0.62	49.7	202.092551	188.222869
	13.69255	929	1.996	64.4	203.071008	191.791905
	21.52641	1246	4.469	83.8	205.072222	200.311504
	45.26544	1735	7.521	78.6	210.703742	224.403173
	55.25963	1891	10.122	75.8	219.781429	256.587068
	55.52728	1949	13.733	79.8	227.062903	288.114803

0.74706	0.90866	7.25862	11069.618
0.74718	0.90895	7.25973	11070.996
0.74732	0.90929	7.26102	11072.622
0.74751	0.90975	7.26284	11074.953
0.74776	0.91029	7.26556	11078.453
0.74801	0.91083	7.26799	11082.12
0.74825	0.91127	7.26977	11085.403
0.7485	0.91169	7.27158	11088.357
0.74875	0.91208	7.27335	11091.06
0.74901	0.91248	7.2751	11093.542
0.74927	0.9129	7.27716	11095.873
0.74951	0.91328	7.27912	11097.941
0.74969	0.91361	7.28071	11099.448
0.7499	0.914	7.28249	11101.055
0.75008	0.91436	7.28372	11102.169
0.75023	0.91467	7.28468	11102.93
0.75039	0.915	7.28623	11103.739
0.75055	0.91537	7.28791	11104.531
0.75072	0.91573	7.29002	11105.361
0.7509	0.91617	7.29233	11106.411
0.75109	0.91662	7.29456	11107.807
0.75126	0.91703	7.29641	11109.22
0.75139	0.91734	7.29814	11110.477
0.75149	0.91759	7.29937	11111.533
0.75157	0.9178	7.3003	11112.433
0.75165	0.91799	7.30121	11113.275
0.75173	0.9182	7.30216	11114.107
0.75181	0.9184	7.303	11114.806
0.75189	0.9186	7.30369	11115.336
0.75197	0.91879	7.30452	11115.733
0.75205	0.91897	7.30528	11116.041
0.75213	0.91918	7.3062	11116.305
0.75222	0.91942	7.30741	11116.561
0.75231	0.91972	7.30876	11116.813
0.7524	0.91998	7.30983	11117.067
0.75248	0.92024	7.31081	11117.369
0.75256	0.92048	7.31166	11117.674
0.75264	0.9207	7.31253	11117.945
0.75272	0.92093	7.31349	11118.199
0.7528	0.92114	7.3145	11118.516
0.75288	0.92136	7.31551	11118.981
0.75296	0.92157	7.31673	11119.639
0.75306	0.92184	7.31832	11120.635
0.75322	0.92231	7.32063	11122.677
0.75349	0.92307	7.32479	11127.015
0.75385	0.92405	7.33052	11133.772
0.75447	0.92501	7.33388	11141.539

11:07:22.351	-9	0.00083	0.00115	0.00283	9.184	0.000887
11:07:23.351	-9	0.00091	0.00122	0.00381	10.133	0.000979
11:07:24.351	-9	0.00096	0.00131	0.00384	10.392	0.001004
11:07:25.351	-9	0.00089	0.0012	0.00354	9.235	0.000892
11:07:26.351	-9	0.00053	0.00071	0.00232	5.184	0.000501
11:07:27.351	-9	0.00036	0.00056	0.00172	3.443	0.000333
11:07:28.351	-9	0.00028	0.00048	0.00199	2.801	0.000271
11:07:29.351	-9	0.00025	0.00048	0.00211	2.605	0.000252
11:07:30.351	-9	0.00016	0.00032	0.00157	1.852	0.000179
11:07:31.351	-9	0.00013	0.00029	0.00139	1.65	0.00016
11:07:32.351	-9	0.00011	0.00026	0.00112	1.416	0.000137
11:07:33.351	-9	0.0001	0.00023	0.00072	1.06	0.000103
11:07:34.351	-9	0.00009	0.00023	0.0007	0.773	0.000075
11:07:35.351	-9	0.00009	0.00022	0.00083	0.58	0.000056
11:07:36.351	-9	0.00011	0.00025	0.001	0.472	0.000046
11:07:37.351	-9	0.00011	0.00025	0.00095	0.39	0.000038
11:07:38.351	-9	0.00018	0.00043	0.00176	0.596	0.000058
11:07:39.351	-9	0.00023	0.00058	0.0043	1.676	0.000163
11:07:40.351	-9	0.0002	0.00049	0.00415	2.462	0.000239
11:07:41.351	-9	0.00019	0.0005	0.00325	2.973	0.000288
11:07:42.351	-9	0.0002	0.00051	0.00289	3.349	0.000324
11:07:43.351	-9	0.00022	0.00056	0.00274	3.663	0.000355
11:07:44.351	-9	0.00024	0.00056	0.00285	4.067	0.000394
11:07:45.351	-9	0.00027	0.00063	0.00332	4.969	0.000481
11:07:46.351	-9	0.00041	0.00095	0.00635	8.605	0.000832
11:07:47.351	-9	0.0005	0.00096	0.00471	10.832	0.001046
11:07:48.351	-9	0.00066	0.00108	0.00392	11.452	0.001106
11:07:49.351	-9	0.00075	0.00083	0.0036	9.416	0.00091
11:07:50.351	-9	0.00074	0.00081	0.00379	7.176	0.000694
11:07:51.351	-9	0.0008	0.00081	0.00524	7.94	0.000768
11:07:52.351	-9	0.00079	0.00079	0.00389	7.932	0.000766
11:07:53.351	-9	0.00065	0.00067	0.00269	6.191	0.000598
11:07:54.351	-9	0.00064	0.00062	0.00268	5.744	0.000555
11:07:55.351	-9	0.00062	0.00063	0.00289	5.453	0.000527
11:07:56.351	-9	0.00044	0.00045	0.00234	4.149	0.000401
11:07:57.351	-9	0.00026	0.00032	0.00152	2.691	0.00026
11:07:58.351	-9	0.0002	0.00025	0.00124	2.138	0.000207
11:07:59.351	-9	0.00018	0.00024	0.00116	1.764	0.000171
11:08:00.351	-9	0.00018	0.00028	0.00088	1.534	0.000149
11:08:01.351	-9	0.00016	0.00028	0.00069	1.021	0.000099
11:08:02.351	-9	0.00013	0.00027	0.00097	0.735	0.000071
11:08:03.351	-9	0.00011	0.00022	0.00138	0.76	0.000074
11:08:04.351	-9	0.00011	0.00023	0.00163	0.946	0.000092
11:08:05.351	-9	0.00013	0.00025	0.00148	1.156	0.000112
11:08:06.351	-9	0.00013	0.00027	0.00143	1.159	0.000112
11:08:07.351	-9	0.00014	0.00029	0.00167	1.173	0.000114
11:08:08.351	-9	0.00013	0.00028	0.00196	1.577	0.000153

10.7	8.50E+00	4.500	6.300	3.528	4.939	38.900
16.9	8.70E+00	4.600	6.500	3.597	5.082	38.500
17.1	8.90E+00	4.900	6.500	3.829	5.080	40.300
21.9	9.00E+00	5.000	6.500	3.919	5.095	40.400
22.1	9.00E+00	5.100	6.300	4.021	4.969	40.200
25.3	8.70E+00	5.200	5.700	4.124	4.527	44.000
25.3	7.90E+00	5.200	4.700	4.140	3.742	44.900
25.7	7.30E+00	5.100	4.000	4.072	3.196	46.500
25.7	6.40E+00	4.600	3.400	3.681	2.721	42.200
25.2	5.90E+00	4.500	2.900	3.598	2.323	43.800
25.1	5.60E+00	4.400	2.600	3.527	2.085	43.700
23	5.50E+00	4.300	2.500	3.488	2.028	42.600
22.8	5.30E+00	4.100	2.400	3.373	1.975	44.500
18	5.20E+00	3.900	2.300	3.251	1.918	39.900
17.7	5.10E+00	3.900	2.200	3.281	1.851	40.300
11.2	5.00E+00	3.800	2.100	3.212	1.775	37.800
11	4.80E+00	3.700	2.000	3.131	1.693	39.100
7	4.60E+00	3.600	1.900	2.999	1.585	37.700
7.1	4.40E+00	3.500	1.900	2.854	1.549	35.700
9.7	4.30E+00	3.500	1.900	2.816	1.529	37.600
9.8	4.30E+00	3.500	1.900	2.806	1.523	36.400
12.4	4.30E+00	3.500	1.900	2.802	1.521	36.900
12.4	4.30E+00	3.500	1.900	2.802	1.521	33.400
12.5	4.30E+00	3.500	1.900	2.787	1.513	33.100
14.6	4.30E+00	3.500	1.900	2.757	1.497	32.700
16.5	4.50E+00	3.800	1.900	2.967	1.485	28.500
16.5	5.60E+00	5.200	2.000	4.045	1.562	30.500
16.6	7.50E+00	7.200	2.400	5.635	1.880	27.500
18.8	8.80E+00	8.500	2.600	6.715	2.055	32.100
19	9.20E+00	9.000	2.700	7.074	2.122	30.900
19	9.40E+00	9.300	2.700	7.288	2.116	31.100
18.9	9.80E+00	9.800	2.700	7.686	2.118	33.800
19	1.01E+01	10.200	2.700	8.024	2.124	32.300
20.3	1.01E+01	10.200	2.600	8.038	2.049	34.300
20.3	9.50E+00	9.600	2.500	7.566	1.971	32.000
20.6	8.70E+00	8.600	2.500	6.774	1.969	35.000
20.5	8.20E+00	8.000	2.400	6.321	1.897	33.200
18.6	7.80E+00	7.500	2.300	5.980	1.835	35.200
18.6	7.30E+00	6.800	2.200	5.511	1.782	37.700
18.5	6.70E+00	6.000	2.100	4.952	1.733	38.000
15.4	5.60E+00	4.900	1.800	4.083	1.500	39.100
13.5	5.30E+00	4.700	1.700	3.902	1.411	34.200
13.4	5.20E+00	4.600	1.700	3.793	1.401	35.300
10.2	5.00E+00	4.500	1.600	3.700	1.316	33.100
10.1	5.00E+00	4.400	1.600	3.631	1.320	33.400
8.5	4.70E+00	4.100	1.600	3.395	1.323	33.200
8.5	4.50E+00	4.000	1.500	3.263	1.223	32.500

190.4	61.46414	1922	16.443	79	247.228195	313.06645
190.4	66.07579	2015	19.054	79.3	258.560553	338.726027
190.4	67.03588	2074	21.312	77.9	264.146242	358.556302
190.4	58.72824	2059	23.255	75.6	289.3	368.132174
190.4	34.37571	1791	24.537	80.1	285.665731	362.735582
190.4	24.33086	1412	24.84	65.2	277.893582	349.755851
190.4	21.28715	1410	24.84	67.4	268.472414	335.688779
190.4	22.31416	1401	24.84	52.5	264.930682	322.558512
190.4	15.68506	1372	24.22	8.2	256.130926	306.681593
190.4	12.17385	1328	23.6	0	235.452632	288.766341
190.4	11.64935	1237	21.841	0	232.559774	274.503824
190.4	10.44043	1093	19.388	0.4	228.801869	261.816634
190.4	10.32341	1159	16.424	0.1	225.868859	250.623183
190.4	10.29545	1003	13.383	6.9	221.409524	241.92296
190.4	13.531	845	9.633	24.1	215.241243	235.1125
190.4	12.5778	798	7.258	39.4	212.533333	229.772481
190.4	20.98061	1193	6.83	63.7	212.161694	231.325588
190.4	36.50371	1709	7.647	63.1	212.50166	245.162436
190.4	29.40179	1415	9.087	58.7	214.95	257.775
190.4	25.67791	1406	10.738	57.1	217.224296	263.083661
190.4	28.76615	1497	11.954	57.7	219.026236	266.867188
190.4	31.13937	1624	13.04	57.4	216.925167	271.096809
190.4	36.01885	1779	14.142	63.3	221.103894	279.690143
190.4	36.5322	1597	15.484	76.6	226.495528	291.367906
190.4	61.30558	1901	16.099	80.2	229.572449	314.922179
190.4	75.28886	2037	17.312	76.1	234.775254	357.272907
190.4	75.57228	2081	18.63	76.7	253.921921	381.067817
190.4	59.72176	1972	18.63	75.7	261.473931	392.86063
190.4	45.368	1833	18.01	79.9	257.694606	384.456676
190.6	55.57326	1904	18.01	80.4	263.871795	393.944939
191.1	54.80295	1899	18.146	78.4	289.322047	401.284615
191.5	44.151	1779	18.86	76.9	294.683096	402.51588
191.9	37.83594	1752	19.701	79.1	285.759629	395.161632
192.2	37.60585	1735	19.87	76.9	258.425434	390.163849
192.2	33.44869	1674	19.87	62.2	242.565067	385.894939
192.2	17.79146	1355	19.064	19.1	247.880056	368.372937
192.2	14.72485	1078	17.197	5.8	244.201553	347.76789
192.2	12.65937	1004	15.986	14	242.485849	328.199116
192.2	15.32722	1159	14.721	33.3	235.41106	314.257717
192.2	16.47691	1109	13.66	34.5	227.718286	306.794725
192.2	13.53031	939	12.557	37.3	233.979184	298.449022
192.2	13.635	925	11.146	29.9	244.849242	290.362833
192.2	12.5489	930	9.191	25.4	247.5425	281.403077
192.2	15.95923	1136	8.484	51.5	246.416667	276.3
192.2	17.22441	1148	8.275	58.4	246.428482	276.801499
192.2	19.37265	1209	8.07	58.9	247.745625	279.168233
192.2	17.29884	1077	8.07	42.8	255.201058	281.7

0.7553	0.92616	7.33671	11150.723
0.75621	0.92738	7.34052	11160.856
0.75717	0.92869	7.34436	11171.248
0.75806	0.92989	7.3479	11180.483
0.75859	0.9306	7.35022	11185.667
0.75895	0.93116	7.35194	11189.11
0.75923	0.93164	7.35393	11191.911
0.75948	0.93212	7.35604	11194.516
0.75964	0.93244	7.35761	11196.368
0.75977	0.93273	7.359	11198.018
0.75988	0.93299	7.36012	11199.434
0.75998	0.93322	7.36084	11200.494
0.76007	0.93345	7.36154	11201.267
0.76016	0.93367	7.36237	11201.847
0.76027	0.93392	7.36337	11202.319
0.76038	0.93417	7.36432	11202.709
0.76056	0.9346	7.36608	11203.305
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0.76099	0.93567	7.37453	11207.443
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0.76138	0.93668	7.38067	11213.765
0.7616	0.93724	7.38341	11217.428
0.76184	0.9378	7.38626	11221.495
0.76211	0.93843	7.38958	11226.464
0.76252	0.93938	7.39593	11235.069
0.76302	0.94034	7.40064	11245.901
0.76368	0.94142	7.40456	11257.353
0.76443	0.94225	7.40816	11266.769
0.76517	0.94306	7.41195	11273.945
0.76597	0.94387	7.41719	11281.885
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0.76741	0.94533	7.42377	11296.008
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0.76867	0.94658	7.42934	11307.205
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0.77009	0.9484	7.43717	11320.502
0.77022	0.94867	7.43814	11321.237
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0.77044	0.94912	7.44115	11322.943
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0.7707	0.94964	7.44406	11325.258
0.77084	0.94993	7.44573	11326.431
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11:08:09.351	-9	0.00015	0.00037	0.00264	2.238	0.000217
11:08:10.351	-9	0.0002	0.00048	0.0025	3.382	0.000327
11:08:11.351	-9	0.00024	0.00063	0.00236	4.446	0.00043
11:08:12.351	-9	0.00027	0.00068	0.00288	5.241	0.000507
11:08:13.351	-9	0.00028	0.00067	0.00297	5.129	0.000496
11:08:14.351	-9	0.00028	0.00066	0.00258	4.776	0.000462
11:08:15.351	-9	0.00023	0.00046	0.00193	3.575	0.000346
11:08:16.351	-9	0.00021	0.00042	0.00163	3.006	0.000291
11:08:17.351	-9	0.00021	0.00039	0.00162	2.825	0.000273
11:08:18.351	-9	0.00022	0.00046	0.00138	2.723	0.000264
11:08:19.351	-9	0.00022	0.00047	0.00148	2.466	0.000239
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11:08:21.351	-9	0.00024	0.00056	0.00181	3.184	0.000308
11:08:22.351	-9	0.00026	0.0006	0.00206	3.806	0.000368
11:08:23.351	-9	0.00027	0.00066	0.0029	4.293	0.000415
11:08:24.351	-9	0.00027	0.00065	0.00308	4.555	0.000441
11:08:25.351	-9	0.00029	0.00071	0.00305	4.727	0.000457
11:08:26.351	-9	0.00027	0.00064	0.0028	4.348	0.000421
11:08:27.351	-9	0.0002	0.00045	0.00193	2.968	0.000287
11:08:28.351	-9	0.0002	0.00042	0.00165	2.668	0.000258
11:08:29.351	-9	0.00022	0.00044	0.00202	2.583	0.00025
11:08:30.351	-9	0.0002	0.00043	0.00162	2.126	0.000206
11:08:31.351	-9	0.00014	0.0003	0.00117	1.322	0.000128
11:08:32.351	-9	0.00012	0.0003	0.00125	1.037	0.000101
11:08:33.351	-9	0.00012	0.00027	0.00092	0.745	0.000072
11:08:34.351	-9	0.00011	0.00026	0.0008	0.5	0.000049
11:08:35.351	-9	0.0001	0.00027	0.00079	0.341	0.000033
11:08:36.351	-9	0.0001	0.00025	0.00102	0.262	0.000026
11:08:37.351	-9	0.00009	0.00025	0.00111	0.229	0.000022
11:08:38.351	-9	0.00009	0.00025	0.00104	0.207	0.00002
11:08:39.351	-9	0.00009	0.00026	0.0011	0.178	0.000017
11:08:40.351	-9	0.00009	0.00024	0.00098	0.146	0.000014
11:08:41.351	-9	0.00008	0.00022	0.001	0.119	0.000012
11:08:42.351	-9	0.00007	0.00021	0.00092	0.101	0.00001
11:08:43.351	-9	0.00007	0.00019	0.00083	0.091	0.000009
11:08:44.351	-9	0.00007	0.00019	0.00081	0.079	0.000008
11:08:45.351	-9	0.00007	0.00018	0.00083	0.074	0.000007
11:08:46.351	-9	0.00007	0.0002	0.00097	0.077	0.000008
11:08:47.351	-9	0.00009	0.00023	0.00106	0.086	0.000009
11:08:48.351	-9	0.00008	0.00022	0.00095	0.075	0.000008
11:08:49.351	-9	0.00007	0.0002	0.00079	0.071	0.000008
11:08:50.351	-9	0.00007	0.0002	0.00068	0.097	0.00001
11:08:51.351	-9	0.00007	0.00022	0.00078	0.144	0.000014
11:08:52.351	-9	0.00007	0.00021	0.00068	0.19	0.000019
11:08:53.351	-9	0.00007	0.00022	0.00108	0.274	0.000027
11:08:54.351	-9	0.00007	0.00021	0.00134	0.395	0.000038
11:08:55.351	-9	0.00007	0.0002	0.0012	0.537	0.000052

7.8	4.40E+00	4.000	1.500	3.223	1.209	36.200	192.2	20.45998	1240	8.503	59.7	250.631191	282.841538
7.9	4.30E+00	3.900	1.500	3.118	1.199	35.100	192.2	31.51509	1471	9.872	70.6	247.828908	289.605537
9.4	4.30E+00	3.900	1.500	3.100	1.192	37.600	192.2	38.25863	1603	11.096	70.2	253.326923	301.932143
9.5	4.40E+00	3.900	1.600	3.089	1.267	36.100	192.2	40.3012	1725	12.96	70.4	259.536454	314.399602
13.2	4.50E+00	4.100	1.600	3.245	1.267	36.100	192.2	39.08283	1701	14.8	60.8	262.313699	323.224653
13.3	4.90E+00	4.700	1.500	3.720	1.188	38.000	192.2	33.57748	1585	16.098	74.1	264.216019	327.847738
16.1	5.40E+00	5.300	1.500	4.198	1.188	35.700	192.2	30.58074	1573	17.335	67.1	267.513969	329.4
16.2	5.80E+00	5.800	1.500	4.595	1.189	38.500	192.2	20.88603	1421	17.39	55.1	268.091538	324.1655
18.6	5.70E+00	5.800	1.400	4.618	1.115	36.600	192.2	20.20391	1370	17.39	29.7	264.111354	312.381146
18.6	5.80E+00	5.800	1.400	4.657	1.124	39.900	192.2	25.69341	1485	18.01	65.7	254.322308	306.8
18.6	5.80E+00	5.800	1.400	4.688	1.132	40.100	192.2	24.69526	1470	18.01	51.3	249.875673	304.183974
18.6	5.50E+00	5.600	1.300	4.502	1.045	40.400	192.2	25.08604	1491	18.63	52.7	250.542322	300.944745
19.1	5.30E+00	5.300	1.300	4.256	1.044	40.800	192.2	27.41939	1548	18.829	56	251.347688	299.148252
19.1	5.00E+00	4.900	1.300	3.921	1.041	38.300	192.2	34.08008	1629	19.478	63.7	251.646545	305.467041
20.1	4.80E+00	4.700	1.300	3.748	1.037	39.400	192.2	35.58019	1681	20.49	62.1	254.386513	311.88842
20.2	4.80E+00	4.700	1.300	3.741	1.035	37.200		35.88446	1745	21.308	62.7	256.832375	317.206494
22	4.80E+00	4.700	1.300	3.741	1.035	39.200		37.52527	1812	22.558	62.8	258.672596	322.9309
22.1	4.90E+00	4.900	1.300	3.899	1.035	38.600		35.83318	1766	23.782	63.1	261.613043	327.002475
24.2	5.30E+00	5.400	1.300	4.299	1.036	38.700		22.06844	1393	24.439	58.9	262.036146	323.51001
24.3	5.70E+00	5.800	1.300	4.635	1.040	39.300		21.22053	1448	25.654	53.5	263.237853	315.538748
26.1	5.90E+00	6.000	1.300	4.821	1.045	39.000	192.2	23.86713	1491	26.08	33.2	263.828302	303.786752
26.2	5.90E+00	6.000	1.300	4.856	1.052	42.500	192.2	23.11864	1521	26.7	11.4	260.860091	290.586667
27.7	5.80E+00	5.800	1.300	4.735	1.061	40.900	192.2	13.8218	1519	27.149	0	259.345758	276.706707
27.7	5.40E+00	5.300	1.300	4.363	1.070	42.900	192.2	13.71929	1537	27.32	0	260.27988	265.547353
27.7	5.20E+00	5.000	1.300	4.166	1.083	40.300	192.2	13.72744	1533	26.839	0	257.1	255.577912
27.8	4.80E+00	4.500	1.200	3.788	1.010	38.900	191.9	13.72587	1544	27.32	0	254.354217	247.163429
28	4.70E+00	4.400	1.100	3.727	0.933	40.500	191.5	13.76075	1547	27.32	0	251.918672	240.2872
28	4.60E+00	4.300	1.100	3.655	0.935	38.200	191.1	13.78899	1542	27.32	0	249.43	233.829767
28.1	4.40E+00	4.100	1.100	3.491	0.936	39.400	190.7	13.77	1529	26.7	0	244.901667	228.18087
28.1	4.40E+00	4.100	1.100	3.492	0.937	39.500		13.42004	1484	26.118	0	249.303161	223.325333
28.1	4.40E+00	4.100	1.100	3.496	0.938	42.800		13.04389	1432	25.491	0	247.676038	218.376471
27.2	4.40E+00	4.000	1.100	3.415	0.939	39.900		12.76128	1381	24.275	0	245.749342	214.323168
25.7	4.40E+00	4.000	1.100	3.418	0.940	38.300		12.00364	1314	23.032	0	244.7904	210.44526
25.6	4.20E+00	3.800	1.100	3.249	0.941	38.400		11.5792	1252	21.784	0	243.987925	206.587215
23	4.10E+00	3.700	1.100	3.166	0.941	36.900	190.4	10.89714	1175	20.545	0.2	242.763873	203.52
23	4.10E+00	3.700	1.100	3.166	0.941	38.400	190.4	10.12659	1056	18.12	5	241.919653	200.631832
22.9	4.10E+00	3.700	1.100	3.163	0.940	36.000	190.4	11.08402	1205	16.279	3.2	240.493169	197.579883
19.5	4.10E+00	3.700	1.100	3.163	0.940	37.800	190.4	10.01265	1033	13.751	7	239.178766	195.275745
14.8	4.10E+00	3.700	1.100	3.163	0.940	36.400	190.4	13.91659	896	11.855	15.7	239.684615	193.44676
14.6	4.10E+00	3.700	1.100	3.163	0.940	37.300	190.4	11.70762	887	9.995	15.4	239.564615	191.331904
10.2	4.00E+00	3.600	1.100	3.078	0.940	37.700	190.4	10.88615	803	8.129	31.5	239.23195	190.3
10.2	4.00E+00	3.600	1.100	3.080	0.941	36.400	190.4	11.16	808	6.884	46.4	238.592264	191.230792
10.1	4.00E+00	3.600	1.100	3.073	0.939	39.900	190.4	12.05855	839	5.003	48.5	239.428743	194.048012
7.1	4.00E+00	3.600	1.100	3.066	0.937	37.500	190.4	11.67008	784	3.038	42.6	247.969653	196.380088
4	3.90E+00	3.500	1.100	2.968	0.933	39.100	190.4	11.69441	806	2.425	58.3	247.628652	200.374585
3.9	3.90E+00	3.500	1.100	2.949	0.927	36.900	190.4	12.06534	785	1.24	52.5	250.546224	204.982524
2	3.80E+00	3.500	1.100	2.928	0.920	36.300	190.4	11.93175	782	0.62	51.9	257.422034	208.618925

0.77112	0.95058	7.45033	11330.246
0.77132	0.95106	7.45283	11333.628
0.77156	0.95169	7.45519	11338.074
0.77183	0.95237	7.45807	11343.315
0.77211	0.95304	7.46104	11348.444
0.77239	0.9537	7.46362	11353.22
0.77262	0.95416	7.46555	11356.795
0.77283	0.95458	7.46718	11359.801
0.77304	0.95497	7.4688	11362.626
0.77326	0.95543	7.47018	11365.349
0.77348	0.9559	7.47166	11367.815
0.7737	0.95638	7.47359	11370.574
0.77394	0.95694	7.4754	11373.758
0.7742	0.95754	7.47746	11377.564
0.77447	0.9582	7.48036	11381.857
0.77474	0.95885	7.48344	11386.412
0.77503	0.95956	7.48649	11391.139
0.7753	0.9602	7.48929	11395.487
0.7755	0.96065	7.49122	11398.455
0.7757	0.96107	7.49287	11401.123
0.77592	0.96151	7.49489	11403.706
0.77612	0.96194	7.49651	11405.832
0.77626	0.96224	7.49768	11407.154
0.77638	0.96254	7.49893	11408.191
0.7765	0.96281	7.49985	11408.936
0.77661	0.96307	7.50065	11409.436
0.77671	0.96334	7.50144	11409.777
0.77681	0.96359	7.50246	11410.039
0.7769	0.96384	7.50357	11410.268
0.77699	0.96409	7.50461	11410.475
0.77708	0.96435	7.50571	11410.653
0.77717	0.96459	7.50669	11410.799
0.77725	0.96481	7.50769	11410.918
0.77732	0.96502	7.50861	11411.019
0.77739	0.96521	7.50944	11411.11
0.77746	0.9654	7.51025	11411.189
0.77753	0.96558	7.51108	11411.263
0.7776	0.96578	7.51205	11411.34
0.77769	0.96601	7.51311	11411.426
0.77777	0.96623	7.51406	11411.501
0.77784	0.96643	7.51485	11411.572
0.77791	0.96663	7.51553	11411.669
0.77798	0.96685	7.51631	11411.813
0.77805	0.96706	7.51699	11412.003
0.77812	0.96728	7.51807	11412.277
0.77819	0.96749	7.51941	11412.672
0.77826	0.96769	7.52061	11413.209

11:08:56.351	-9	0.00007	0.00021	0.00095	0.654	0.000064
11:08:57.351	-9	0.00007	0.0002	0.00117	0.772	0.000075
11:08:58.351	-9	0.00007	0.00021	0.00099	0.88	0.000085
11:08:59.351	-9	0.00007	0.0002	0.00081	0.961	0.000093
11:09:00.351	-9	0.00007	0.00022	0.00087	0.999	0.000097
11:09:01.351	-9	0.00007	0.00021	0.00097	1.004	0.000097
11:09:02.351	-9	0.00007	0.00019	0.00097	1.004	0.000097
11:09:03.351	-9	0.00007	0.0002	0.00096	1.015	0.000098
11:09:04.351	-9	0.00007	0.00019	0.00097	1.031	0.0001
11:09:05.351	-9	0.00007	0.00021	0.00098	1.05	0.000102
11:09:06.351	-9	0.00007	0.0002	0.00099	1.064	0.000103
11:09:07.351	-9	0.00007	0.00022	0.001	1.071	0.000104
11:09:08.351	-9	0.00007	0.00022	0.001	1.069	0.000104
11:09:09.351	-9	0.00007	0.00021	0.00099	1.069	0.000104
11:09:10.351	-9	0.00007	0.00022	0.00098	1.067	0.000103
11:09:11.351	-9	0.00007	0.00021	0.00098	1.064	0.000103
11:09:12.351	-9	0.00007	0.00021	0.00097	1.055	0.000102
11:09:13.351	-9	0.00007	0.0002	0.00097	1.056	0.000102
11:09:14.351	-9	0.00007	0.00021	0.00098	1.062	0.000103
11:09:15.351	-9	0.00007	0.00021	0.00098	1.067	0.000103
11:09:16.351	-9	0.00007	0.00021	0.00097	1.063	0.000103
11:09:17.351	-9	0.00007	0.00022	0.00099	1.084	0.000105
11:09:18.351	-9	0.00007	0.00022	0.00096	1.13	0.00011
11:09:19.351	-9	0.00009	0.00029	0.00115	1.427	0.000138
11:09:20.351	-9	0.00014	0.00045	0.00219	2.439	0.000236
11:09:21.351	-9	0.00028	0.00089	0.00616	6.101	0.000591
11:09:22.351	-9	0.00068	0.00114	0.00517	8.997	0.00087
11:09:23.351	-9	0.00134	0.00116	0.00413	10.09	0.000975
11:09:24.351	-9	0.0018	0.0012	0.00363	9.991	0.000965
11:09:25.351	-9	0.00151	0.00083	0.00272	7.464	0.000721
11:09:26.351	-9	0.0015	0.0009	0.0029	7.037	0.00068
11:09:27.351	-9	0.00117	0.00066	0.0029	5.987	0.000579
11:09:28.351	-9	0.00094	0.00058	0.00193	5.021	0.000485
11:09:29.351	-9	0.00068	0.00046	0.00179	3.697	0.000357
11:09:30.351	-9	0.0006	0.00048	0.00206	3.455	0.000334
11:09:31.351	-9	0.0005	0.00059	0.00207	3.256	0.000315
11:09:32.351	-9	0.00048	0.00066	0.00227	3.473	0.000336
11:09:33.351	-9	0.00046	0.00076	0.00336	4.265	0.000413
11:09:34.351	-9	0.00047	0.00076	0.0031	5.188	0.000502
11:09:35.351	-9	0.00048	0.00079	0.00315	5.761	0.000557
11:09:36.351	-9	0.00041	0.00067	0.00247	4.952	0.000479
11:09:37.351	-9	0.00031	0.00049	0.0018	3.538	0.000342
11:09:38.351	-9	0.00028	0.00043	0.00172	2.736	0.000265
11:09:39.351	-9	0.00026	0.00036	0.00196	2.525	0.000244
11:09:40.351	-9	0.00024	0.00036	0.00201	2.455	0.000238
11:09:41.351	-9	0.00021	0.00032	0.00162	2.27	0.00022
11:09:42.351	-9	0.00017	0.00031	0.00135	1.847	0.000179

1.9	3.80E+00	3.500	1.100	2.910	0.915	38.200	190.4	11.9835	781	0	51.5	262.581984	212.204535
0	3.80E+00	3.500	1.100	2.891	0.909	35.900	190.4	11.87789	780	0	50.8	249.556168	214.102198
0	3.80E+00	3.500	1.100	2.874	0.903	38.900	190.7	11.79081	778	0	51	244.492143	216.0476
0	3.80E+00	3.500	1.100	2.863	0.900	36.700	191.1	11.86	779	0	50.4	245.692547	217.352448
0	3.80E+00	3.500	1.100	2.858	0.898	38.700	191.5	11.83235	779	0	50.5	246.57764	218.751459
0	3.80E+00	3.500	1.100	2.857	0.898	38.000	191.8	12.03962	783	0	50.2	246.980038	219.856678
0	3.80E+00	3.500	1.100	2.857	0.898	34.800	192.2	11.82697	780	0	49.8	251.493462	220.563048
0	3.80E+00	3.500	1.100	2.855	0.897	36.000	192.2	11.77373	778	0	49.8	255.412692	221.64141
0	3.70E+00	3.500	1.100	2.853	0.897	34.200	192.2	11.87038	780	0	49.9	255.436154	222.1
0	3.70E+00	3.500	1.100	2.852	0.896	36.700	192.2	11.97	777	0	50.1	260.341689	222.631315
0	3.70E+00	3.400	1.100	2.772	0.896	35.400	192.2	11.97	781	0	49.8	264.592597	223.32808
0	3.70E+00	3.400	1.100	2.771	0.896	37.800	192.2	11.93057	777	0	50.2	256.022086	223.4
0	3.70E+00	3.400	1.100	2.771	0.896	38.000	192.2	11.91514	780	0	49.9	257.2552	223.442899
0	3.70E+00	3.300	1.200	2.688	0.978	36.800	192.2	11.89612	779	0	49.6	258.009286	224
0	3.60E+00	3.300	1.100	2.688	0.896	39.100	192.2	11.88375	778	0	49.5	249.701053	224
0	3.60E+00	3.300	1.100	2.687	0.896	36.300	192.2	11.96302	780	0	49.7	245.164272	224.212639
0	3.60E+00	3.300	1.100	2.687	0.896	38.100	192.2	11.77877	778	0	50.6	249.372308	224.7
0	3.60E+00	3.300	1.100	2.687	0.896	35.500	192.2	11.75853	774	0	50.6	252.469217	224.351884
0	3.60E+00	3.300	1.100	2.687	0.896	37.800	192.2	11.98435	780	0.62	49.8	252.077131	224.388241
0	3.60E+00	3.300	1.100	2.687	0.896	36.700	192.2	11.82272	778	0.527	50.3	257.195585	224.7
0	3.60E+00	3.300	1.100	2.687	0.896	36.600		11.82948	780	0.62	51.1	256.382081	224.7
0	3.60E+00	3.300	1.100	2.686	0.895	39.000		11.91889	780	1.24	53.9	255.6575	224.7
0.1	3.50E+00	3.200	1.100	2.604	0.895	37.200		12.32069	774	1.86	51.5	255.476181	225.135098
2	3.50E+00	3.200	1.100	2.603	0.895	39.300		13.6795	1006	2.552	73.5	255.865312	226.995634
2.1	3.60E+00	3.300	1.100	2.676	0.893	37.000		25.66962	1358	4.494	83.7	256.902642	235.338492
4.1	3.60E+00	3.400	1.100	2.711	0.878	37.200	192.2	56.03257	1872	7.569	77.2	259.638585	263.5421
4.1	6.50E+00	7.200	1.100	5.655	0.870	36.100	192.2	63.92028	1964	10.553	59.8	268.111628	294.280064
4.4	1.20E+01	14.100	1.100	11.088	0.866	34.300	192.2	71.18172	2101	13.933	77.8	270.573086	328.224348
10.7	1.66E+01	20.100	1.100	15.772	0.864	36.800	192.2	67.24658	2018	16.505	73.5	274.685356	353.646341
16.6	1.85E+01	22.400	1.200	17.606	0.943	34.000	192.2	42.82866	1817	18.512	79.4	276.584359	363.73
16.7	1.88E+01	22.600	1.200	17.833	0.947	37.400	192.2	46.19303	1882	19.864	86.8	287.948597	363.828433
20.1	1.79E+01	21.500	1.200	16.912	0.944	33.300	192.2	41.63521	1889	21.185	88.9	292.568443	371.864735
20.2	1.69E+01	20.200	1.300	15.905	1.023	34.600	192.2	35.3129	1793	21.73	69.1	289.971474	367.469666
22.8	1.59E+01	18.800	1.300	14.860	1.027	36.000	192.2	26.16464	1725	22.14	51.1	299.648008	357.286654
22.8	1.41E+01	16.400	1.300	13.029	1.033	37.800	192.2	27.15058	1711	21.73	47.4	292.690021	341.795305
22.7	1.14E+01	12.900	1.300	10.358	1.041	43.900	192.2	27.075	1656	21.521	51.7	286.358437	327.5857
22.7	9.30E+00	10.200	1.300	8.254	1.048	42.100	192.2	34.43351	1737	21.319	61.4	280.854262	318.509109
22.6	7.60E+00	8.200	1.300	6.601	1.043	42.000	192.2	40.99645	1794	21.73	68.8	281.457516	322.322529
22.6	7.00E+00	7.500	1.300	5.986	1.037	37.800	192.2	43.28296	1849	22.36	72.8	289.785645	329.2727
23.6	6.90E+00	7.400	1.300	5.873	1.032	37.600	192.2	43.69578	1892	22.98	74.4	286.188962	336.194668
23.6	6.90E+00	7.400	1.300	5.864	1.030	37.600	192.2	37.59867	1859	23.6	55.5	288.387115	338.0202
24.4	7.20E+00	7.800	1.300	6.200	1.033	37.500	192.2	23.93792	1363	23.6	58.9	286.570231	332.008791
24.4	7.70E+00	8.400	1.300	6.708	1.039	39.900	192.2	21.38506	1337	23.6	65	280.219537	325.34471
24.4	7.80E+00	8.400	1.300	6.725	1.041	35.100	192.2	21.66339	1321	23.475	52.5	260.302138	319.94075
24.4	7.50E+00	8.100	1.300	6.473	1.039	36.800	192.2	20.30012	1281	22.649	33.9	251.99	311.172688
23.7	7.10E+00	7.600	1.300	6.076	1.039	36.000	192.2	20.13055	1227	21.425	18.9	252.217391	298.934897
23.6	6.50E+00	6.800	1.300	5.465	1.044	38.800	192.2	11.54156	1160	20.162	14.4	250.045714	285.281363

0.77833	0.9679	7.52156	11413.863
0.7784	0.9681	7.52273	11414.635
0.77847	0.96831	7.52372	11415.515
0.77854	0.96851	7.52453	11416.476
0.77861	0.96873	7.5254	11417.475
0.77868	0.96894	7.52637	11418.479
0.77875	0.96913	7.52734	11419.483
0.77882	0.96933	7.5283	11420.498
0.77889	0.96952	7.52927	11421.529
0.77896	0.96973	7.53025	11422.579
0.77903	0.96993	7.53124	11423.643
0.7791	0.97015	7.53224	11424.714
0.77917	0.97037	7.53324	11425.783
0.77924	0.97058	7.53423	11426.852
0.77931	0.9708	7.53521	11427.919
0.77938	0.97101	7.53619	11428.983
0.77945	0.97122	7.53716	11430.038
0.77952	0.97142	7.53813	11431.094
0.77959	0.97163	7.53911	11432.156
0.77966	0.97184	7.54009	11433.223
0.77973	0.97205	7.54106	11434.286
0.7798	0.97227	7.54205	11435.37
0.77987	0.97249	7.54301	11436.5
0.77996	0.97278	7.54416	11437.927
0.7801	0.97323	7.54635	11440.366
0.78038	0.97412	7.55251	11446.467
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0.7824	0.97642	7.56181	11465.554
0.7842	0.97762	7.56544	11475.545
0.78571	0.97845	7.56816	11483.009
0.78721	0.97935	7.57106	11490.046
0.78838	0.98001	7.57396	11496.033
0.78932	0.98059	7.57589	11501.054
0.79	0.98105	7.57768	11504.751
0.7906	0.98153	7.57974	11508.206
0.7911	0.98212	7.58181	11511.462
0.79158	0.98278	7.58408	11514.935
0.79204	0.98354	7.58744	11519.2
0.79251	0.9843	7.59054	11524.388
0.79299	0.98509	7.59369	11530.149
0.7934	0.98576	7.59616	11535.101
0.79371	0.98625	7.59796	11538.639
0.79399	0.98668	7.59968	11541.375
0.79425	0.98704	7.60164	11543.9
0.79449	0.9874	7.60365	11546.355
0.7947	0.98772	7.60527	11548.625
0.79487	0.98803	7.60662	11550.472

11:09:43.351	-9	0.00019	0.00036	0.00134	1.843	0.000179
11:09:44.351	-9	0.00019	0.00036	0.00097	1.331	0.000129
11:09:45.351	-9	0.00013	0.00028	0.0009	0.903	0.000088
11:09:46.351	-9	0.00015	0.0003	0.00146	1.047	0.000102
11:09:47.351	-9	0.00016	0.00035	0.00154	1.105	0.000107
11:09:48.351	-9	0.00015	0.00032	0.0017	0.921	0.000089
11:09:49.351	-9	0.00015	0.00034	0.00205	0.914	0.000089
11:09:50.351	-9	0.00015	0.00034	0.00211	1.169	0.000114
11:09:51.351	-9	0.00014	0.00032	0.00164	1.526	0.000148
11:09:52.351	-9	0.00012	0.00032	0.00171	1.694	0.000164
11:09:53.351	-9	0.00011	0.00026	0.00142	1.677	0.000162
11:09:54.351	-9	0.0001	0.00026	0.00119	1.586	0.000154
11:09:55.351	-9	0.00009	0.00023	0.00106	1.431	0.000139
11:09:56.351	-9	0.00008	0.00022	0.00103	1.245	0.000121
11:09:57.351	-9	0.00008	0.00022	0.00109	1.112	0.000108
11:09:58.351	-9	0.00008	0.00021	0.00088	1.023	0.000099
11:09:59.351	-9	0.00008	0.00022	0.00091	0.968	0.000094
11:10:00.351	-9	0.00008	0.00022	0.00095	0.933	0.00009
11:10:01.351	-9	0.00008	0.00024	0.00104	0.932	0.00009
11:10:02.351	-9	0.0001	0.00025	0.00128	1.102	0.000107
11:10:03.351	-9	0.0001	0.00026	0.0013	1.207	0.000117
11:10:04.351	-9	0.00013	0.00037	0.00148	1.796	0.000174
11:10:05.351	-9	0.00021	0.00058	0.00287	3.316	0.000321
11:10:06.351	-9	0.00031	0.00088	0.00462	5.889	0.00057
11:10:07.351	-9	0.00045	0.00096	0.00496	8.259	0.000799
11:10:08.351	-9	0.00081	0.00104	0.00386	8.849	0.000855
11:10:09.351	-9	0.00099	0.00088	0.00377	7.555	0.00073
11:10:10.351	-9	0.00107	0.00088	0.00414	7.5	0.000725
11:10:11.351	-9	0.00114	0.0009	0.00398	8.035	0.000776
11:10:12.351	-9	0.00147	0.00106	0.00406	10.352	0.001
11:10:13.351	-9	0.00186	0.00138	0.00409	13.193	0.001274
11:10:14.351	-9	0.0022	0.00136	0.00416	13.063	0.001262
11:10:15.351	-9	0.00177	0.00105	0.00391	8.616	0.000833
11:10:16.351	-9	0.00168	0.00086	0.00466	7.538	0.000729
11:10:17.351	-9	0.00139	0.00074	0.00368	6.3	0.000609
11:10:18.351	-9	0.00108	0.00063	0.00253	5.051	0.000488
11:10:19.351	-9	0.00097	0.00066	0.0024	5.192	0.000502
11:10:20.351	-9	0.00086	0.00073	0.00282	6.045	0.000584
11:10:21.351	-9	0.00085	0.00072	0.00379	7.487	0.000723
11:10:22.351	-9	0.0009	0.00086	0.00299	8.735	0.000843
11:10:23.351	-9	0.00091	0.00079	0.00246	8.717	0.000841
11:10:24.351	-9	0.00078	0.0006	0.00224	6.522	0.00063
11:10:25.351	-9	0.00065	0.00048	0.00186	4.812	0.000465
11:10:26.351	-9	0.00047	0.00037	0.00121	3.392	0.000328
11:10:27.351	-9	0.00043	0.00044	0.00163	3.341	0.000323
11:10:28.351	-9	0.00038	0.00049	0.0018	3.366	0.000326
11:10:29.351	-9	0.00038	0.00062	0.00271	3.796	0.000367

21.3	6.10E+00	6.200	1.300	5.042	1.057	37.900
21.2	6.00E+00	5.900	1.300	4.877	1.074	37.700
18.3	5.30E+00	5.100	1.300	4.239	1.080	38.300
18.3	5.10E+00	4.900	1.300	4.070	1.080	35.100
18.1	5.20E+00	4.900	1.300	4.077	1.082	37.200
14.5	5.00E+00	4.700	1.300	3.927	1.086	35.200
11.3	4.80E+00	4.500	1.300	3.763	1.087	36.600
11.2	4.80E+00	4.500	1.300	3.734	1.079	36.100
9.7	4.70E+00	4.400	1.300	3.609	1.066	34.300
9.7	4.50E+00	4.200	1.400	3.404	1.133	39.000
9.7	4.40E+00	4.100	1.400	3.296	1.126	36.000
8.9	4.40E+00	4.100	1.400	3.289	1.123	38.800
7.1	4.40E+00	4.000	1.500	3.218	1.206	37.200
7	4.40E+00	3.900	1.500	3.154	1.213	38.200
4.9	4.40E+00	3.900	1.500	3.171	1.220	38.000
4.9	4.40E+00	3.900	1.500	3.180	1.223	36.900
4.8	4.40E+00	3.900	1.500	3.185	1.225	40.200
2.8	4.40E+00	3.900	1.500	3.192	1.228	41.000
0	4.40E+00	3.900	1.500	3.200	1.231	41.900
0	4.40E+00	3.900	1.500	3.197	1.229	37.800
0	4.40E+00	3.900	1.500	3.187	1.226	38.100
0.1	4.20E+00	3.700	1.500	3.012	1.220	39.100
2	4.20E+00	3.700	1.500	2.982	1.209	38.700
2.2	4.10E+00	3.700	1.500	2.945	1.194	39.300
6.9	4.80E+00	4.600	1.500	3.644	1.183	34.200
7.1	8.50E+00	9.300	1.500	7.282	1.178	35.900
12.1	1.19E+01	13.600	1.500	10.695	1.181	34.800
12.3	1.29E+01	14.900	1.500	11.726	1.181	35.200
15.4	1.33E+01	15.400	1.500	12.086	1.177	34.800
15.6	1.39E+01	16.300	1.500	12.733	1.172	33.400
18.8	1.42E+01	16.700	1.500	13.005	1.169	35.000
19	1.61E+01	19.100	1.500	14.951	1.175	33.000
23.7	1.82E+01	21.600	1.500	17.022	1.183	36.000
23.8	1.96E+01	23.300	1.500	18.376	1.184	33.300
27	1.97E+01	23.500	1.500	18.524	1.182	34.500
27	1.89E+01	22.400	1.500	17.682	1.183	36.500
27.1	1.59E+01	18.600	1.500	14.744	1.187	35.900
28.5	1.27E+01	14.600	1.500	11.526	1.182	35.900
29.2	1.10E+01	12.600	1.500	9.858	1.172	31.100
29.2	1.06E+01	12.200	1.500	9.481	1.166	33.700
29.3	1.09E+01	12.600	1.400	9.779	1.089	31.200
30.6	1.19E+01	13.800	1.400	10.762	1.093	29.900
30.6	1.22E+01	14.100	1.400	11.103	1.103	29.600
31.5	1.20E+01	13.800	1.400	10.916	1.107	31.300
30.6	1.04E+01	11.700	1.400	9.292	1.112	35.100
30.6	8.50E+00	9.300	1.300	7.438	1.040	36.000
29.6	7.40E+00	7.900	1.300	6.330	1.042	39.800

192.2	18.24667	1194	18.836	24.9	250.013196	276.95184
192.2	20.84981	1274	16.997	18.5	248.833878	270.743683
192.2	13.6304	1150	15.53	8.9	249.994602	262.034565
192.2	19.35176	1051	13.664	15.5	249.131579	253.271111
192.2	20.93274	1356	11.646	31.7	247.982519	249.164456
192.2	15.86842	1053	10.132	41.5	247	247.885637
192.2	19.32152	1219	9.487	50.4	247.182785	249.803297
	20.47358	1273	8.865	57.6	248.414258	254.985417
	21.10275	1189	8.69	45.1	251.760962	260.293769
	18.42704	1142	8.229	47.7	252.552599	262.155193
	14.11798	920	7.45	35.7	252.592105	261.026733
	13.19972	875	6.402	46.1	251.285094	258.219921
192.2	12.37383	818	5.167	48.5	250.534135	256.5345
192.2	12.25008	802	4.545	32.8	249.679846	254.280539
192.2	11.75733	758	3.269	36.2	248.04375	251.080918
192.2	11.61586	729	2.48	36.1	246.584135	248.668762
192.2	11.00674	772	2.034	53.6	245.764395	247.918881
	11.43327	781	0.365	52.7	246.065741	247.987439
	11.72565	799	0	55.8	245.826871	247.6
	14.47619	949	0	61.7	245.720918	248.220795
	13.5705	875	0.62	53.1	246.334615	249.58961
	18.92728	1168	1.691	73.5	246.869171	253.349901
192.2	32.84311	1446	4.401	78.1	249.876836	265.513056
192.2	54.63012	1781	7.056	72.3	258.546821	287.96747
192.2	62.19546	1908	9.152	60.9	270.447182	313.782083
192.2	64.14801	1987	12.355	77.7	270.984741	340.922642
192.2	46.59061	1824	14.28	65.2	262.286256	354.302497
192.2	52.90316	1862	15.238	86.4	252.659245	362.997174
192.2	50.57938	1826	17.072	81.6	256.362712	378.207234
192.2	63.81644	2006	18.675	83.9	256.036	394.281231
192.2	85.69899	2175	20.793	75.7	266.371967	416.858667
	87.39162	2253	23.207	70.3	264.892843	428.801754
	53.26388	1929	25.25	71.7	262.60856	424.188757
	53.3163	1957	26.475	80.4	261.474898	421.544706
	35.06691	1988	27.32	73.9	265.436939	420.568571
	28.81932	1579	27.95	70.6	263.012195	408.437822
194	38.92912	1586	27.95	84.4	275.030833	399.749342
194	42.43843	1612	28.57	84.4	289.643673	401.431765
194	49.63225	1645	29.189	83.2	297.808479	411.549943
194	54.13017	1682	29.81	78.7	313.06157	425.410592
194	53.00271	1711	29.88	75.3	309.539231	432.44664
194.2	39.16641	1720	30.43	74.8	306.32	428.692622
194.6	33.05952	1715	30.43	72.1	303.574214	416.347153
195	24.65314	1696	29.81	61.6	300.709119	404.185356
195.4	25.64722	1660	29.693	49.6	302.18973	388.094006
195.7	27.95535	1635	29.048	57.2	305.155026	372.893471
	36.23063	1623	28.57	71.9	303.396421	368.581078

0.79506	0.98839	7.60796	11552.315
0.79525	0.98875	7.60893	11553.646
0.79538	0.98903	7.60983	11554.549
0.79553	0.98933	7.61129	11555.596
0.79569	0.98968	7.61283	11556.701
0.79584	0.99	7.61453	11557.622
0.79599	0.99034	7.61658	11558.536
0.79614	0.99068	7.61869	11559.705
0.79628	0.991	7.62033	11561.231
0.7964	0.99132	7.62204	11562.925
0.79651	0.99158	7.62346	11564.602
0.79661	0.99184	7.62465	11566.188
0.7967	0.99207	7.62571	11567.619
0.79678	0.99229	7.62674	11568.864
0.79686	0.99251	7.62783	11569.976
0.79694	0.99272	7.62871	11570.999
0.79702	0.99294	7.62962	11571.967
0.7971	0.99316	7.63057	11572.9
0.79718	0.9934	7.63161	11573.832
0.79728	0.99365	7.63289	11574.934
0.79738	0.99391	7.63419	11576.141
0.79751	0.99428	7.63567	11577.937
0.79772	0.99486	7.63854	11581.253
0.79803	0.99574	7.64316	11587.142
0.79848	0.9967	7.64812	11595.401
0.79929	0.99774	7.65198	11604.25
0.80028	0.99862	7.65575	11611.805
0.80135	0.9995	7.65989	11619.305
0.80249	1.0004	7.66387	11627.34
0.80396	1.00146	7.66793	11637.692
0.80582	1.00284	7.67202	11650.885
0.80802	1.0042	7.67618	11663.948
0.80979	1.00525	7.68009	11672.564
0.81147	1.00611	7.68475	11680.102
0.81286	1.00685	7.68843	11686.402
0.81394	1.00748	7.69096	11691.453
0.81491	1.00814	7.69336	11696.645
0.81577	1.00887	7.69618	11702.69
0.81662	1.00959	7.69997	11710.177
0.81752	1.01045	7.70296	11718.912
0.81843	1.01124	7.70542	11727.629
0.81921	1.01184	7.70766	11734.151
0.81986	1.01232	7.70952	11738.963
0.82033	1.01269	7.71073	11742.355
0.82076	1.01313	7.71236	11745.696
0.82114	1.01362	7.71416	11749.062
0.82152	1.01424	7.71687	11752.858

11:10:30.351	-9	0.00041	0.00068	0.00303	4.8	0.000464
11:10:31.351	-9	0.00045	0.00077	0.0037	6.36	0.000615
11:10:32.351	-9	0.0005	0.00084	0.0047	7.81	0.000755
11:10:33.351	-9	0.00055	0.00093	0.004	9.23	0.000891
11:10:34.351	-9	0.00063	0.00102	0.00337	10.037	0.000969
11:10:35.351	-9	0.00075	0.00097	0.00326	10.069	0.000972
11:10:36.351	-9	0.00083	0.00105	0.00355	9.891	0.000955
11:10:37.351	-9	0.00087	0.00101	0.00381	9.942	0.00096
11:10:38.351	-9	0.00079	0.00092	0.0034	8.73	0.000843
11:10:39.351	-9	0.00073	0.00086	0.00314	7.625	0.000737
11:10:40.351	-9	0.00071	0.00081	0.00311	7.529	0.000727
11:10:41.351	-9	0.00072	0.00093	0.00399	8.36	0.000808
11:10:42.351	-9	0.00059	0.00077	0.00333	7.455	0.00072
11:10:43.351	-9	0.00052	0.00076	0.003	6.324	0.000611
11:10:44.351	-9	0.00045	0.00067	0.00323	5.556	0.000537
11:10:45.351	-9	0.00041	0.0007	0.00338	5.277	0.00051
11:10:46.351	-9	0.00035	0.00066	0.00281	4.653	0.00045
11:10:47.351	-9	0.00031	0.0006	0.00194	3.833	0.000371
11:10:48.351	-9	0.00027	0.00063	0.00136	3	0.00029
11:10:49.351	-9	0.00024	0.00055	0.00137	2.098	0.000203
11:10:50.351	-9	0.0002	0.0005	0.00158	1.407	0.000137
11:10:51.351	-9	0.00016	0.00037	0.00113	0.899	0.000087
11:10:52.351	-9	0.00012	0.0003	0.00127	0.608	0.000059
11:10:53.351	-9	0.00013	0.00033	0.00141	0.554	0.000054
11:10:54.351	-9	0.0001	0.00025	0.00117	0.417	0.000041
11:10:55.351	-9	0.00009	0.00026	0.00109	0.427	0.000042
11:10:56.351	-9	0.00009	0.00024	0.00102	0.41	0.00004
11:10:57.351	-9	0.00008	0.00024	0.0009	0.346	0.000034
11:10:58.351	-9	0.00008	0.00022	0.00069	0.281	0.000027
11:10:59.351	-9	0.00008	0.00021	0.00079	0.224	0.000022
11:11:00.351	-9	0.00007	0.0002	0.00076	0.176	0.000017
11:11:01.351	-9	0.00007	0.00018	0.00077	0.144	0.000014
11:11:02.351	-9	0.00008	0.0002	0.00092	0.124	0.000012
11:11:03.351	-9	0.00007	0.00019	0.00092	0.105	0.00001
11:11:04.351	-9	0.00007	0.00019	0.0009	0.093	0.000009
11:11:05.351	-9	0.00007	0.00018	0.00091	0.089	0.000009
11:11:06.351	-9	0.00008	0.00019	0.00082	0.087	0.000009
11:11:07.351	-9	0.00008	0.00021	0.00082	0.086	0.000008
11:11:08.351	-9	0.0001	0.00023	0.00105	0.101	0.00001
11:11:09.351	-9	0.00009	0.00024	0.00087	0.093	0.000009
11:11:10.351	-9	0.00009	0.00022	0.00085	0.098	0.00001
11:11:11.351	-9	0.00009	0.00023	0.00082	0.114	0.000011
11:11:12.351	-9	0.00009	0.00022	0.00076	0.146	0.000014
11:11:13.351	-9	0.00008	0.00021	0.00076	0.177	0.000017
11:11:14.351	-9	0.00008	0.00022	0.00097	0.257	0.000025
11:11:15.351	-9	0.00008	0.0002	0.00123	0.389	0.000038
11:11:16.351	-9	0.00008	0.00022	0.00102	0.515	0.00005

29.6	6.80E+00	7.200	1.300	5.729	1.034	37.300		40.263	1642	28.759	78.2	303.81027	372.560661
30	6.30E+00	6.700	1.300	5.285	1.025	35.500		44.92092	1665	29.19	82.1	306.99375	380.935714
30	6.10E+00	6.500	1.300	5.090	1.018	34.200		51.78552	1697	29.81	77.6	315.173727	394.498102
30.8	6.10E+00	6.500	1.300	5.061	1.012	33.700		57.3257	1730	30.43	78	322.360811	410.972727
30.8	6.40E+00	7.000	1.300	5.436	1.010	34.700		59.51175	1769	31.05	78.2	331.009063	427.43729
32.1	7.60E+00	8.500	1.300	6.602	1.011	32.800		60.41619	1797	31.67	78.3	335.148852	438.327273
32.1	8.50E+00	9.600	1.300	7.458	1.012	35.500		60.69864	1821	32.29	79.6	335.707576	446.857984
32.1	8.90E+00	10.100	1.300	7.861	1.012	34.100		60.58014	1832	32.29	78.1	339.684444	453.024138
32.7	9.00E+00	10.300	1.300	8.031	1.014	35.000		56.2729	1838	32.29	70.5	340.418351	454.83123
33.5	9.10E+00	10.300	1.300	8.069	1.019	35.600	195.8	45.42243	1814	32.05	76.6	350.125538	448.229135
33.5	8.90E+00	10.100	1.300	7.917	1.019	33.800	195.8	48.79535	1801	31.67	79.4	347.887169	445.938034
32.8	8.40E+00	9.400	1.300	7.341	1.016	36.200	195.8	53.6113	1814	31.877	78.6	346.3376	449.540666
32.8	7.80E+00	8.700	1.300	6.787	1.014	33.600	195.8	42.84785	1822	32.29	81.3	353.901002	451.886986
33.3	7.50E+00	8.200	1.300	6.445	1.022	36.700	195.8	41.76455	1837	32.29	79.5	346.380561	441.857353
33.3	7.30E+00	7.900	1.300	6.229	1.025	35.500	195.8	38.23215	1852	32.91	77.2	354.995769	434.919867
33.8	6.90E+00	7.400	1.300	5.842	1.026	38.600	195.8	34.97169	1866	32.91	72.5	355.077941	428.85114
33.8	6.50E+00	6.900	1.300	5.461	1.029	39.900	195.8	31.77065	1873	32.91	53.9	349.979352	418.056162
34.5	6.20E+00	6.500	1.300	5.183	1.037	40.100	195.8	30.61883	1864	32.91	41.5	343.166667	398.76375
34.5	5.70E+00	5.700	1.300	4.617	1.053	43.200	195.8	30.46343	1849	32.638	24.8	338.464245	377.047065
33.8	5.30E+00	5.100	1.300	4.195	1.069	40.300		29.42336	1833	32.29	19.4	327.992653	354.11
33.8	5.20E+00	5.000	1.200	4.155	0.997	41.900		24.16525	1635	32.29	13.7	316.128571	333.360274
33.3	5.10E+00	4.900	1.200	4.098	1.004	40.100		15.45352	1536	32.29	2.1	307.860649	318.051411
33.3	5.00E+00	4.800	1.200	4.033	1.008	39.900		13.53793	1420	32.613	13.1	303.255	306.92478
33.1	4.90E+00	4.600	1.200	3.878	1.011	42.100		19.6675	1288	32.29	2.8	299.057322	298.23
33.1	4.60E+00	4.300	1.200	3.633	1.013	39.000	194	12.3275	1297	32.91	8.3	293.983465	289.262242
33.1	4.60E+00	4.200	1.200	3.539	1.011	43.600	194	12.27571	1309	32.91	1.6	290.828516	282.820574
33.9	4.60E+00	4.200	1.200	3.539	1.011	41.100	194	12.33	1305	32.91	0	290.009186	276.338254
34.2	4.50E+00	4.100	1.200	3.467	1.014	42.800	194	11.97	1291	32.91	0	289.712127	270.747209
34.2	4.60E+00	4.100	1.300	3.474	1.102	40.600		11.8148	1263	31.67	0	290.356698	265.789565
33.5	4.50E+00	4.100	1.200	3.483	1.019	38.800		11.32158	1216	30.924	0	288.89085	260.453876
33.4	4.40E+00	4.000	1.200	3.406	1.022	39.200		10.58302	1134	28.537	0.4	287.327547	255.875514
30.2	4.40E+00	4.000	1.200	3.411	1.023	36.500		10.32102	1111	26.571	3.3	286.573061	251.753044
30	4.50E+00	4.000	1.300	3.415	1.110	39.000		10.75264	1160	24.168	1.7	285.550562	247.421422
25.9	4.40E+00	3.900	1.300	3.333	1.111	37.200	194	10.46035	1141	22.309	0	284.257963	243.739528
25.7	4.40E+00	3.900	1.300	3.335	1.112	37.800	194	10.63491	1144	19.845	0.5	282.915304	240.603168
21.5	4.40E+00	3.900	1.300	3.336	1.112	36.200	194	10.10339	1090	18.01	4.6	283.788692	237.242581
21.3	4.40E+00	3.900	1.300	3.337	1.112	36.300	194	10.85677	1190	15.889	0.7	291.714724	234.713182
16.8	4.50E+00	3.900	1.300	3.338	1.113	37.300	194	9.79472	1009	13.938	3.8	294.814934	231.580511
16.6	4.40E+00	3.900	1.300	3.334	1.111	35.400	194	14.83392	1008	11.847	8	293.645924	228.459462
13	4.40E+00	3.900	1.300	3.334	1.111	38.100	194	9.21707	935	10.24	12.8	296.219512	225.085376
12.8	4.40E+00	3.900	1.300	3.337	1.113	36.000	194	12.68356	823	8.352	21.5	296.011524	223.066699
9.1	4.40E+00	3.900	1.300	3.334	1.111	39.000	194	12.10195	797	7.004	37.4	288.850526	222.8
9	4.40E+00	3.900	1.300	3.329	1.110	38.300	194	12.50516	837	4.993	43.7	284.336228	224.857422
5.9	4.40E+00	3.800	1.400	3.239	1.193	37.200	194	11.84963	765	3.159	46.9	286.4079	227.4216
5.8	4.40E+00	3.800	1.400	3.225	1.188	38.700	194	12.05199	798	2.532	53	287.156458	230.664082
3.1	4.40E+00	3.800	1.400	3.203	1.180	35.500	194	12.20698	785	1.86	52.6	286.62468	234.969885
3	4.40E+00	3.800	1.400	3.182	1.174	39.700	194	11.95163	781	1.157	51	282.015031	238.570681

0.82193	1.01492	7.7199	11757.658
0.82238	1.01569	7.7236	11764.018
0.82288	1.01653	7.7283	11771.828
0.82343	1.01746	7.7323	11781.058
0.82406	1.01848	7.73567	11791.095
0.82481	1.01945	7.73893	11801.164
0.82564	1.0205	7.74248	11811.055
0.82651	1.02151	7.74629	11820.997
0.8273	1.02243	7.74969	11829.727
0.82803	1.02329	7.75283	11837.352
0.82874	1.0241	7.75594	11844.881
0.82946	1.02503	7.75993	11853.241
0.83005	1.0258	7.76326	11860.696
0.83057	1.02656	7.76626	11867.02
0.83102	1.02723	7.76949	11872.576
0.83143	1.02793	7.77287	11877.853
0.83178	1.02859	7.77568	11882.506
0.83209	1.02919	7.77762	11886.339
0.83236	1.02982	7.77898	11889.339
0.8326	1.03037	7.78035	11891.437
0.8328	1.03087	7.78193	11892.844
0.83296	1.03124	7.78306	11893.743
0.83308	1.03154	7.78433	11894.351
0.83321	1.03187	7.78574	11894.905
0.83331	1.03212	7.78691	11895.322
0.8334	1.03238	7.788	11895.749
0.83349	1.03262	7.78902	11896.159
0.83357	1.03286	7.78992	11896.505
0.83365	1.03308	7.79061	11896.786
0.83373	1.03329	7.7914	11897.01
0.8338	1.03349	7.79216	11897.186
0.83387	1.03367	7.79293	11897.33
0.83395	1.03387	7.79385	11897.454
0.83402	1.03406	7.79477	11897.559
0.83409	1.03425	7.79567	11897.652
0.83416	1.03443	7.79658	11897.741
0.83424	1.03462	7.7974	11897.828
0.83432	1.03483	7.79822	11897.914
0.83442	1.03506	7.79927	11898.015
0.83451	1.0353	7.80014	11898.108
0.8346	1.03552	7.80099	11898.206
0.83469	1.03575	7.80181	11898.32
0.83478	1.03597	7.80257	11898.466
0.83486	1.03618	7.80333	11898.643
0.83494	1.0364	7.8043	11898.9
0.83502	1.0366	7.80553	11899.289
0.8351	1.03682	7.80655	11899.804

11:11:17.351	-9	0.00008	0.0002	0.00122	0.637	0.000062
11:11:18.351	-9	0.00008	0.00023	0.00143	0.76	0.000074
11:11:19.351	-9	0.00008	0.00022	0.00136	0.875	0.000085
11:11:20.351	-9	0.00008	0.00021	0.00104	0.952	0.000092
11:11:21.351	-9	0.00008	0.00021	0.00087	0.98	0.000095
11:11:22.351	-9	0.00008	0.00021	0.00087	0.986	0.000096
11:11:23.351	-9	0.00008	0.00023	0.00087	0.997	0.000097
11:11:24.351	-9	0.00008	0.00022	0.00082	1.017	0.000099
11:11:25.351	-9	0.00008	0.00024	0.00078	1.033	0.0001
11:11:26.351	-9	0.00008	0.00023	0.00078	1.045	0.000101
11:11:27.351	-9	0.00008	0.00021	0.00078	1.041	0.000101
11:11:28.351	-9	0.00008	0.00022	0.00077	1.029	0.0001
11:11:29.351	-9	0.00008	0.00021	0.001	1.029	0.0001
11:11:30.351	-9	0.00008	0.00022	0.00098	1.026	0.000099
11:11:31.351	-9	0.00008	0.00021	0.00091	1.037	0.0001
11:11:32.351	-9	0.00007	0.00022	0.00096	1.048	0.000102
11:11:33.351	-9	0.00007	0.00022	0.00086	1.042	0.000101
11:11:34.351	-9	0.00007	0.00021	0.00087	1.055	0.000102
11:11:35.351	-9	0.00007	0.00022	0.00087	1.059	0.000103
11:11:36.351	-9	0.00007	0.00021	0.00088	1.065	0.000103
11:11:37.351	-9	0.00007	0.00022	0.00088	1.07	0.000104
11:11:38.351	-9	0.00007	0.00021	0.00088	1.068	0.000104
11:11:39.351	-9	0.00007	0.00023	0.00088	1.07	0.000104
11:11:40.351	-9	0.00007	0.00021	0.00087	1.067	0.000103
11:11:41.351	-9	0.00007	0.00021	0.00087	1.064	0.000103
11:11:42.351	-9	0.00007	0.00023	0.00088	1.073	0.000104
11:11:43.351	-9	0.00007	0.00021	0.00087	1.068	0.000103
11:11:44.351	-9	0.00007	0.00022	0.00087	1.065	0.000103
11:11:45.351	-9	0.00007	0.00021	0.00088	1.077	0.000104
11:11:46.351	-9	0.00007	0.00021	0.00087	1.074	0.000104
11:11:47.351	-9	0.00007	0.0002	0.00087	1.075	0.000104
11:11:48.351	-9	0.00007	0.0002	0.00087	1.069	0.000104
11:11:49.351	-9	0.00007	0.00022	0.00087	1.074	0.000104
11:11:50.351	-9	0.00007	0.0002	0.00087	1.076	0.000104
11:11:51.351	-9	0.00007	0.00022	0.00087	1.076	0.000104
11:11:52.351	-9	0.00007	0.0002	0.00087	1.073	0.000104
11:11:53.351	-9	0.00007	0.00021	0.00087	1.077	0.000104
11:11:54.351	-9	0.00007	0.00021	0.00087	1.08	0.000105
11:11:55.351	-9	0.00007	0.00021	0.00087	1.08	0.000105
11:11:56.351	-9	0.00007	0.00022	0.00087	1.078	0.000104
11:11:57.351	-9	0.00006	0.0002	0.00087	1.077	0.000104
11:11:58.351	-9	0.00007	0.00025	0.00097	1.199	0.000116
11:11:59.351	-9	0.0001	0.00031	0.00132	1.671	0.000162
11:12:00.351	-9	0.00018	0.00063	0.00287	3.597	0.000348
11:12:01.351	-9	0.0003	0.00097	0.00542	7.703	0.000745
11:12:02.351	-9	0.00039	0.00109	0.00627	9.654	0.000933
11:12:03.351	-9	0.00056	0.00118	0.00512	10.67	0.001031

1.6	4.20E+00	3.700	1.400	3.078	1.165	36.600	194	12.03208	784	0.62	49.9	283.943396	241.567453
1.6	4.30E+00	3.700	1.500	3.059	1.239	41.000	194	12.07239	780	0	49.6	285.392181	243.5142
0.7	4.40E+00	3.800	1.500	3.123	1.233	39.900	194	12.02725	779	0	49.1	286.482158	245.189474
0.7	4.30E+00	3.700	1.500	3.029	1.228	37.700	194	11.92211	778	0	49.5	278.467337	246.08557
0	4.30E+00	3.700	1.500	3.025	1.226	37.300	194	11.98837	779	0	50.1	275.612336	247.234347
0	4.30E+00	3.700	1.500	3.025	1.226	37.300	194	12.10444	781	0	49.2	275.156805	248.114646
0	4.20E+00	3.700	1.500	3.024	1.226	40.600	194	12.04153	778	0	49	276.826154	249
0	4.20E+00	3.700	1.500	3.020	1.225	38.500	194	11.97	777	0	49	277.772435	249.186227
0	4.20E+00	3.600	1.500	2.942	1.225	40.800	194	11.86244	778	0	48.3	276.780976	249.383521
0	4.20E+00	3.600	1.500	2.939	1.224	39.100	194	11.96742	779	0	49	286.755385	249
0	4.20E+00	3.600	1.500	2.938	1.224	37.200	194	11.95241	779	0	49	285.955202	249.338355
0	4.10E+00	3.600	1.400	2.939	1.143	38.600	194	11.85279	779	0	49.4	285.750095	249.6
0	4.10E+00	3.600	1.400	2.939	1.145	36.500	194	11.88	779	0	49.8	287.794774	249.6
0	4.10E+00	3.600	1.400	2.938	1.143	39.000	194	12.02	780	0	50	291.3544	249.6
0	4.10E+00	3.600	1.400	2.936	1.142	36.800	194	11.99002	780	0	51.2	291.25342	249.6
0	4.00E+00	3.600	1.300	2.934	1.061	39.300	194	12.01845	779	0	49.8	295.221293	249.191868
0	3.90E+00	3.600	1.200	2.934	0.978	38.600	194	11.82864	778	0	49.7	298.196918	249
0	3.90E+00	3.600	1.200	2.933	0.978	37.900	194	11.89017	779	0	50	304.546538	249
0	3.90E+00	3.600	1.200	2.933	0.978	39.700	194	11.95886	779	0	50.8	304.543265	249
0	3.90E+00	3.600	1.200	2.933	0.978	37.700	194	12.12373	781	0	50.2	300.599582	249
0	3.90E+00	3.600	1.200	2.932	0.977	39.300	194	11.77601	779	0	49.8	301.939875	249
0	3.90E+00	3.600	1.200	2.932	0.977	37.000	194	11.99613	778	0	50.1	298.8625	249
0	3.90E+00	3.600	1.200	2.932	0.977	39.400	194	11.91362	778	0	50.6	290.202571	248.3
0	3.80E+00	3.600	1.100	2.932	0.896	37.800	194	12.03737	779	0	50	282.711138	248.147826
0	3.80E+00	3.600	1.100	2.932	0.896	40.200	194	11.91215	777	0	50.8	277.368365	247.6
0	3.80E+00	3.600	1.100	2.932	0.896	37.300	194	11.76453	779	0	50.3	282.275915	247.365076
0	3.70E+00	3.500	1.000	2.851	0.816	39.600	194	11.98522	778	0	50.2	281.461132	247
0	3.60E+00	3.500	0.900	2.850	0.733	37.500	194	11.97086	777	0	50.2	280.756907	247
0	3.60E+00	3.500	0.900	2.850	0.733	36.400	194	12.00874	780	0	49.5	281.482225	247
0	3.50E+00	3.400	0.900	2.770	0.733	34.800	194	11.89867	778	0	50.6	285.596759	246.400588
0	3.50E+00	3.400	0.900	2.768	0.733	35.800	194	12.09966	780	0	49.8	290.2	246.113462
0	3.50E+00	3.400	0.900	2.768	0.733	38.200	194	11.91	776	0	50.2	288.381784	246.075024
0	3.60E+00	3.500	0.900	2.849	0.733	35.500	194	11.82957	780	0	50.2	287.82449	245.416872
0	3.50E+00	3.600	0.700	2.931	0.571	38.100	194	11.92574	778	0	50.5	294.499153	245.1
0	3.50E+00	3.600	0.700	2.931	0.570	36.300	194	11.95834	776	0	50.3	293.772873	245.1
0	3.60E+00	3.600	0.800	2.931	0.651	37.200	194	11.91805	782	0	51.1	303.286812	244.646341
0	3.50E+00	3.600	0.700	2.931	0.570	37.400	194	11.90174	779	0	50	304.187736	244.5
0	3.50E+00	3.600	0.700	2.931	0.570	37.200	194	11.88262	779	0	50	308.107107	243.972747
0	3.50E+00	3.600	0.700	2.931	0.570	38.800	194	12.08125	780	0	50.4	303.014286	243.313172
0	3.40E+00	3.500	0.700	2.849	0.570	35.400	194	11.9021	777	0	50.4	302.31875	243.3
0	3.40E+00	3.500	0.700	2.849	0.570	39.000	194	11.84466	781	0	50.8	298.902306	243.3
0	3.40E+00	3.500	0.700	2.846	0.569	36.100	194	12.56092	847	0	52.7	299.133197	243.331967
0	3.30E+00	3.500	0.600	2.827	0.485	38.100	194	15.3244	1078	1.788	69.7	298.8125	245.08651
1	3.30E+00	3.500	0.600	2.777	0.476	34.600	194	33.38648	1449	4.231	79.3	302.155051	257.330973
1.3	3.60E+00	3.900	0.700	3.080	0.552	33.700	193.8	59.414	1929	8.422	76.8	308.064124	288.101276
11	4.90E+00	5.500	0.700	4.313	0.550	34.200	193.4	67.72134	1973	11.467	77	312.839231	318.228852
							193	73.79449	2138	14.873	75.1	320.94156	350.647436

0.83518	1.03702	7.80777	11900.441
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0.8355	1.03789	7.81247	11904.008
0.83558	1.0381	7.81334	11904.994
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0.83574	1.03855	7.81503	11907.008
0.83582	1.03879	7.81581	11908.041
0.8359	1.03902	7.81659	11909.086
0.83598	1.03923	7.81737	11910.127
0.83606	1.03945	7.81814	11911.156
0.83614	1.03966	7.81914	11912.185
0.83622	1.03988	7.82012	11913.211
0.8363	1.04009	7.82103	11914.248
0.83637	1.04031	7.82199	11915.296
0.83644	1.04053	7.82285	11916.338
0.83651	1.04074	7.82372	11917.393
0.83658	1.04096	7.82459	11918.452
0.83665	1.04117	7.82547	11919.517
0.83672	1.04139	7.82635	11920.587
0.83679	1.0416	7.82723	11921.655
0.83686	1.04183	7.82811	11922.725
0.83693	1.04204	7.82898	11923.792
0.837	1.04225	7.82985	11924.856
0.83707	1.04248	7.83073	11925.929
0.83714	1.04269	7.8316	11926.997
0.83721	1.04291	7.83247	11928.062
0.83728	1.04312	7.83335	11929.139
0.83735	1.04333	7.83422	11930.213
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0.83749	1.04373	7.83596	11932.357
0.83756	1.04395	7.83683	11933.431
0.83763	1.04415	7.8377	11934.507
0.8377	1.04437	7.83857	11935.583
0.83777	1.04457	7.83944	11936.656
0.83784	1.04478	7.84031	11937.733
0.83791	1.04499	7.84118	11938.813
0.83798	1.0452	7.84205	11939.893
0.83805	1.04542	7.84292	11940.971
0.83811	1.04562	7.84379	11942.048
0.83818	1.04587	7.84476	11943.247
0.83828	1.04618	7.84608	11944.918
0.83846	1.04681	7.84895	11948.515
0.83876	1.04778	7.85437	11956.218
0.83915	1.04887	7.86064	11965.872
0.83971	1.05005	7.86576	11976.542

11:12:04.351	-9	0.00067	0.00115	0.00457	10.806	0.001044
11:12:05.351	-9	0.00077	0.00133	0.00449	10.817	0.001045
11:12:06.351	-9	0.00073	0.00125	0.00451	9.942	0.000961
11:12:07.351	-9	0.00051	0.00086	0.00332	6.686	0.000646
11:12:08.351	-9	0.00041	0.00064	0.00257	4.717	0.000456
11:12:09.351	-9	0.00038	0.00063	0.00228	4.408	0.000426
11:12:10.351	-9	0.00036	0.00066	0.00272	4.889	0.000473
11:12:11.351	-9	0.00036	0.00068	0.00282	5.875	0.000568
11:12:12.351	-9	0.0003	0.00063	0.00197	5.262	0.000509
11:12:13.351	-9	0.00027	0.00054	0.00173	4.722	0.000456
11:12:14.351	-9	0.00027	0.00057	0.0022	4.772	0.000461
11:12:15.351	-9	0.00029	0.00062	0.00268	5.3	0.000512
11:12:16.351	-9	0.00033	0.00069	0.00373	6.578	0.000636
11:12:17.351	-9	0.0004	0.00093	0.00491	8.611	0.000831
11:12:18.351	-9	0.00044	0.00098	0.00475	10.076	0.000972
11:12:19.351	-9	0.00047	0.00109	0.00424	10.538	0.001017
11:12:20.351	-9	0.00047	0.00095	0.00383	10.006	0.000966
11:12:21.351	-9	0.00042	0.00084	0.0022	7.692	0.000743
11:12:22.351	-9	0.00044	0.00084	0.00334	7.918	0.000765
11:12:23.351	-9	0.0004	0.00078	0.00265	7.457	0.00072
11:12:24.351	-9	0.00038	0.00076	0.00229	6.772	0.000654
11:12:25.351	-9	0.00037	0.0007	0.00274	6.442	0.000622
11:12:26.351	-9	0.00038	0.00082	0.00358	7.444	0.000719
11:12:27.351	-9	0.00045	0.00093	0.00347	9.632	0.000929
11:12:28.351	-9	0.0005	0.00107	0.00338	10.907	0.001052
11:12:29.351	-9	0.00048	0.00102	0.00317	10.043	0.000969
11:12:30.351	-9	0.0004	0.0008	0.00266	7.749	0.000748
11:12:31.351	-9	0.00033	0.00071	0.00246	6.052	0.000585
11:12:32.351	-9	0.00029	0.00057	0.00257	4.988	0.000482
11:12:33.351	-9	0.00025	0.00059	0.0025	4.255	0.000411
11:12:34.351	-9	0.00023	0.00052	0.00148	3.601	0.000348
11:12:35.351	-9	0.00026	0.00063	0.00246	4.074	0.000394
11:12:36.351	-9	0.00027	0.00066	0.00317	4.626	0.000448
11:12:37.351	-9	0.00025	0.0006	0.00293	4.73	0.000457
11:12:38.351	-9	0.00021	0.00057	0.00222	3.81	0.000369
11:12:39.351	-9	0.00016	0.00041	0.00165	2.551	0.000247
11:12:40.351	-9	0.00016	0.00042	0.00108	2.119	0.000205
11:12:41.351	-9	0.00016	0.0004	0.00157	1.924	0.000186
11:12:42.351	-9	0.00016	0.00045	0.00197	1.892	0.000183
11:12:43.351	-9	0.00016	0.00044	0.0021	1.93	0.000187
11:12:44.351	-9	0.00016	0.00041	0.00206	2.003	0.000194
11:12:45.351	-9	0.00015	0.00043	0.00188	1.95	0.000189
11:12:46.351	-9	0.00015	0.00039	0.002	1.838	0.000178
11:12:47.351	-9	0.00014	0.0004	0.00206	1.699	0.000165
11:12:48.351	-9	0.00017	0.00046	0.00214	1.995	0.000193
11:12:49.351	-9	0.00024	0.00069	0.00222	2.244	0.000218
11:12:50.351	-9	0.00026	0.0007	0.00181	1.21	0.000118

11.3	5.90E+00	6.800	0.700	5.327	0.549	33.100
18.2	6.70E+00	7.800	0.700	6.114	0.549	38.300
18.5	6.80E+00	8.000	0.700	6.286	0.550	38.700
23.7	6.90E+00	8.000	0.800	6.299	0.630	38.400
23.8	7.00E+00	8.000	0.800	6.358	0.636	36.700
27.3	6.70E+00	7.600	0.800	6.065	0.638	36.400
27.4	5.90E+00	6.700	0.700	5.333	0.557	35.800
29.8	5.30E+00	6.000	0.700	4.745	0.554	33.100
29.9	5.10E+00	5.800	0.700	4.572	0.552	35.200
32.7	5.10E+00	5.700	0.700	4.500	0.553	33.100
32.8	4.90E+00	5.600	0.600	4.421	0.474	34.700
33.7	4.90E+00	5.500	0.700	4.336	0.552	34.400
33.7	4.90E+00	5.500	0.700	4.307	0.548	33.300
33.8	4.80E+00	5.500	0.700	4.270	0.543	37.300
34.8	4.80E+00	5.500	0.700	4.244	0.540	35.500
35.6	4.90E+00	5.600	0.700	4.322	0.540	37.400
35.6	5.00E+00	5.800	0.700	4.489	0.542	33.500
36.5	5.50E+00	6.200	0.800	4.832	0.624	35.900
36.5	5.50E+00	6.300	0.800	4.909	0.623	35.000
36.5	5.50E+00	6.300	0.800	4.896	0.622	35.500
36.5	5.50E+00	6.300	0.800	4.916	0.624	36.600
36	5.40E+00	6.100	0.800	4.787	0.628	33.600
36	5.10E+00	5.700	0.800	4.446	0.624	36.400
35.4	5.00E+00	5.600	0.800	4.335	0.619	34.000
35.4	4.90E+00	5.600	0.800	4.325	0.618	35.500
35.4	5.00E+00	5.600	0.900	4.343	0.696	35.200
36.2	5.10E+00	5.600	0.900	4.376	0.703	33.400
37.5	5.10E+00	5.600	0.900	4.398	0.707	36.200
37.5	5.10E+00	5.600	0.900	4.413	0.709	34.000
37.6	5.10E+00	5.500	0.900	4.352	0.712	38.800
37.6	4.90E+00	5.200	0.900	4.151	0.718	37.100
36.7	4.70E+00	5.000	0.900	4.005	0.721	37.800
36.7	4.60E+00	4.900	0.900	3.902	0.717	37.400
36.7	4.50E+00	4.800	0.900	3.801	0.713	35.200
36.7	4.40E+00	4.600	0.900	3.666	0.717	38.500
36.9	4.50E+00	4.600	1.000	3.696	0.802	37.100
36.9	4.50E+00	4.600	1.000	3.727	0.810	40.000
36.8	4.60E+00	4.600	1.000	3.749	0.815	38.700
36.8	4.60E+00	4.600	1.000	3.757	0.817	42.500
36.9	4.50E+00	4.500	1.000	3.678	0.817	40.200
36.9	4.30E+00	4.300	1.000	3.507	0.815	37.700
37.4	4.30E+00	4.300	1.000	3.509	0.816	40.200
37.4	4.20E+00	4.200	1.000	3.433	0.817	37.100
36.4	4.10E+00	4.100	0.900	3.356	0.737	40.100
36.3	4.00E+00	4.000	0.900	3.285	0.740	37.200
35.1	4.10E+00	4.000	0.900	3.319	0.747	38.300
35	4.10E+00	4.000	0.900	3.377	0.760	37.200

192.6	70.46595	2046	17.99	77.4	336.984489	371.720172
192.2	69.21	2085	20.863	77.7	345.45	386.877976
192.2	67.60648	2105	22.965	75.7	346.306135	394.249947
192.2	46.68399	1941	25.229	57.8	344.239408	393.292492
192.2	31.25015	1520	26.101	59.9	318.629073	379.99038
192.2	34.1391	1568	27.474	70.3	305.716194	370.75225
	37.66483	1654	28.909	76.5	296.753989	369.3
	43.11403	1739	30.756	78.4	296.103757	375.3421
	38.44717	1643	31.977	76.5	295.585674	378.893164
	31.43409	1550	32.622	75.9	292.361169	376.180123
	33.1016	1579	32.91	75.1	291.06975	373.5576
194	38.09571	1591	33.53	80.6	291.710775	374.530987
194	44.82173	1609	33.53	84.8	290.858271	383.674336
194	54.31737	1628	34.16	84.2	292.946759	403.888447
194	60.2988	1650	34.645	80.6	304.532125	425.412473
194	59.91725	1673	34.78	83.4	312.598229	437.807451
194.2	58.51964	1690	35.4	77.7	310.791684	448.146777
194.6	45.51949	1686	35.4	80.2	305.131313	439.654286
194.9	49.58771	1686	35.4	85.2	302.671429	445.359574
195.3	48.26379	1692	35.4	74.7	305.497094	449.880851
195.7	38.01044	1666	34.888	74.9	302.316969	437.114894
196	43.67012	1650	34.78	84.3	316.636	433.831394
196.4	48.93506	1643	34.692	88.9	324.457724	438.753353
196.8	57.39667	1656	34.78	81.9	327.809688	450.933023
197.1	63.15024	1682	35.4	82	356.082036	464.805882
197.5	54.98112	1708	36.02	75	360.21023	470.195397
197.6	50.04891	1727	36.02	73.6	354.325	462.415115
197.6	41.98526	1735	36.64	75.8	351.94625	453.252448
197.6	30.38008	1733	36.415	69.3	347.775157	439.770309
197.6	28.78563	1712	36.02	50.2	356.512139	423.105727
197.6	25.99684	1689	35.4	48.7	349.270189	405.029677
	39.40458	1679	35.4	72.4	340.626176	396.562745
	35.58487	1693	35.4	63.9	340.944167	396.609581
	32.81629	1698	35.4	46.3	338.336735	390.258751
	28.34215	1703	35.4	34	337.625052	379.162937
	22.28239	1499	35.4	41.2	330.187755	365.0125
197.6	21.61021	1399	35.4	41.5	323.134855	352.072691
197.6	22.25164	1405	35.4	44.1	318.523125	342.844
197.6	22.8939	1412	36.02	44	315.228333	335.480619
197.6	23.18576	1416	36.02	42.8	310.681574	329.573436
197.6	22.95307	1412	36.02	39.1	309.119327	323.836436
197.2	22.52895	1398	35.4	41	307.130385	318.2948
196.8	22.25942	1382	34.955	41.2	305.423025	313.554454
196.5	21.18758	1355	34.297	21.7	303.664908	307.354767
196.1	21.87962	1331	33.53	9.9	300.873054	298.766371
195.8	40.16819	1294	32.91	0.3	300.715951	286.6597
195.8	40.23088	1255	31.943	0	302.197227	272.751597

0.84038	1.0512	7.87033	11987.348
0.84115	1.05253	7.87482	11998.165
0.84188	1.05378	7.87933	12008.107
0.84239	1.05464	7.88265	12014.793
0.8428	1.05528	7.88522	12019.51
0.84318	1.05591	7.8875	12023.918
0.84354	1.05657	7.89022	12028.807
0.8439	1.05725	7.89304	12034.682
0.8442	1.05788	7.89501	12039.944
0.84447	1.05842	7.89674	12044.666
0.84474	1.05899	7.89894	12049.438
0.84503	1.05961	7.90162	12054.738
0.84536	1.0603	7.90535	12061.316
0.84576	1.06123	7.91026	12069.927
0.8462	1.06221	7.91501	12080.003
0.84667	1.0633	7.91925	12090.541
0.84714	1.06425	7.92308	12100.547
0.84756	1.06509	7.92528	12108.239
0.848	1.06593	7.92862	12116.157
0.8484	1.06671	7.93127	12123.614
0.84878	1.06747	7.93356	12130.386
0.84915	1.06817	7.9363	12136.828
0.84953	1.06899	7.93988	12144.272
0.84998	1.06992	7.94335	12153.904
0.85048	1.07099	7.94673	12164.811
0.85096	1.07201	7.9499	12174.854
0.85136	1.07281	7.95256	12182.603
0.85169	1.07352	7.95502	12188.655
0.85198	1.07409	7.95759	12193.643
0.85223	1.07468	7.96009	12197.898
0.85246	1.0752	7.96157	12201.499
0.85272	1.07583	7.96403	12205.573
0.85299	1.07649	7.9672	12210.199
0.85324	1.07709	7.97013	12214.929
0.85345	1.07766	7.97235	12218.739
0.85361	1.07807	7.974	12221.29
0.85377	1.07849	7.97508	12223.409
0.85393	1.07889	7.97665	12225.333
0.85409	1.07934	7.97862	12227.225
0.85425	1.07978	7.98072	12229.155
0.85441	1.08019	7.98278	12231.158
0.85456	1.08062	7.98466	12233.108
0.85471	1.08101	7.98666	12234.946
0.85485	1.08141	7.98872	12236.645
0.85502	1.08187	7.99086	12238.64
0.85526	1.08256	7.99308	12240.884
0.85552	1.08326	7.99489	12242.094

11:12:51.351	-9	0.00025	0.00065	0.00151	0.603	0.000059
11:12:52.351	-9	0.00023	0.00061	0.00256	0.334	0.000033
11:12:53.351	-9	0.00021	0.00054	0.0027	0.233	0.000022
11:12:54.351	-9	0.00018	0.00051	0.00221	0.196	0.00002
11:12:55.351	-9	0.00016	0.00044	0.00174	0.176	0.000018
11:12:56.351	-9	0.00012	0.00033	0.00131	0.132	0.000013
11:12:57.351	-9	0.0001	0.00027	0.00104	0.117	0.000011
11:12:58.351	-9	0.00009	0.00024	0.00098	0.128	0.000013
11:12:59.351	-9	0.00009	0.00026	0.00089	0.176	0.000017
11:13:00.351	-9	0.00009	0.00023	0.00111	0.274	0.000027
11:13:01.351	-9	0.00008	0.00024	0.00152	0.442	0.000043
11:13:02.351	-9	0.00008	0.00023	0.00184	0.668	0.000065
11:13:03.351	-9	0.00008	0.00023	0.00192	0.83	0.000081
11:13:04.351	-9	0.00008	0.00022	0.00149	0.924	0.00009
11:13:05.351	-9	0.00008	0.00021	0.00133	0.971	0.000094
11:13:06.351	-9	0.00009	0.00026	0.00139	1.145	0.000111
11:13:07.351	-9	0.00013	0.00033	0.00193	1.655	0.000161
11:13:08.351	-9	0.00026	0.00073	0.00443	4.089	0.000396
11:13:09.351	-9	0.00044	0.00117	0.01005	8.896	0.000862
11:13:10.351	-9	0.00056	0.00146	0.00903	12.236	0.001184
11:13:11.351	-9	0.0007	0.00147	0.00831	12.01	0.001162
11:13:12.351	-9	0.00085	0.00133	0.0079	11.309	0.001094
11:13:13.351	-9	0.00077	0.00108	0.00599	9.047	0.000875
11:13:14.351	-9	0.00076	0.001	0.00522	8.908	0.000861
11:13:15.351	-9	0.00071	0.00104	0.00441	8.614	0.000833
11:13:16.351	-9	0.00051	0.00075	0.00262	6.329	0.000612
11:13:17.351	-9	0.00041	0.00067	0.00256	5.306	0.000513
11:13:18.351	-9	0.00034	0.00063	0.00242	5.136	0.000496
11:13:19.351	-9	0.00032	0.00056	0.00215	4.984	0.000482
11:13:20.351	-9	0.0003	0.0006	0.00211	4.958	0.000479
11:13:21.351	-9	0.00028	0.00053	0.00204	4.874	0.000471
11:13:22.351	-9	0.00025	0.00055	0.00191	4.529	0.000438
11:13:23.351	-9	0.00023	0.00049	0.0018	4.173	0.000403
11:13:24.351	-9	0.00024	0.00053	0.00199	4.227	0.000409
11:13:25.351	-9	0.00023	0.00053	0.00212	4.225	0.000408
11:13:26.351	-9	0.00024	0.00053	0.00218	4.351	0.000421
11:13:27.351	-9	0.00026	0.0006	0.00234	4.591	0.000444
11:13:28.351	-9	0.00029	0.00062	0.00287	5.237	0.000506
11:13:29.351	-9	0.00034	0.00078	0.00318	6.548	0.000633
11:13:30.351	-9	0.00039	0.00085	0.0033	7.919	0.000765
11:13:31.351	-9	0.0004	0.00088	0.00296	8.135	0.000786
11:13:32.351	-9	0.00038	0.0008	0.00257	6.789	0.000656
11:13:33.351	-9	0.00034	0.00066	0.00279	5.566	0.000538
11:13:34.351	-9	0.00032	0.00066	0.00286	5.059	0.000489
11:13:35.351	-9	0.00032	0.0006	0.00303	4.918	0.000476
11:13:36.351	-9	0.00032	0.00065	0.003	5.096	0.000493
11:13:37.351	-9	0.00033	0.00062	0.00269	5.103	0.000493

33.4	4.10E+00	3.900	0.900	3.324	0.767	36.000
33.3	4.00E+00	3.800	0.900	3.249	0.770	36.000
29.7	4.00E+00	3.800	0.900	3.250	0.770	34.700
29.6	4.00E+00	3.800	0.900	3.250	0.770	37.400
23.7	4.00E+00	3.800	0.900	3.250	0.770	35.300
23.4	4.00E+00	3.800	0.900	3.250	0.770	35.900
15.7	3.90E+00	3.700	0.900	3.169	0.771	36.000
15.7	3.90E+00	3.600	0.900	3.081	0.770	34.900
15.3	3.80E+00	3.600	0.900	3.074	0.769	37.100
6.4	3.80E+00	3.600	0.900	3.061	0.765	34.000
0	3.70E+00	3.500	0.900	2.956	0.760	36.000
0	3.70E+00	3.500	0.900	2.924	0.752	34.800
0	3.60E+00	3.500	0.900	2.903	0.746	35.400
0	3.70E+00	3.500	1.000	2.892	0.826	33.900
0	3.70E+00	3.500	1.000	2.886	0.825	30.900
0	3.70E+00	3.500	1.000	2.881	0.824	34.000
0	3.80E+00	3.500	1.100	2.878	0.904	31.200
0.2	3.70E+00	3.500	1.100	2.845	0.894	34.800
4	3.70E+00	3.500	1.100	2.799	0.880	32.600
4.3	3.70E+00	3.600	1.100	2.858	0.873	32.400
11.5	4.80E+00	4.800	1.200	3.819	0.954	33.100
11.8	6.10E+00	6.000	1.700	4.767	1.350	31.500
18.4	7.00E+00	6.700	2.100	5.314	1.665	32.700
18.6	7.20E+00	6.800	2.300	5.384	1.819	31.500
22.8	7.20E+00	6.700	2.400	5.292	1.892	35.000
22.9	7.00E+00	6.400	2.400	5.062	1.898	33.900
25.1	6.60E+00	5.900	2.400	4.671	1.899	36.000
25.1	6.00E+00	5.200	2.400	4.102	1.892	36.300
25.1	5.70E+00	5.000	2.300	3.935	1.810	34.000
26.5	5.50E+00	4.800	2.200	3.773	1.729	36.700
26.5	5.30E+00	4.600	2.200	3.611	1.727	33.900
26.5	5.20E+00	4.500	2.100	3.535	1.650	37.500
26.5	5.00E+00	4.400	2.000	3.465	1.574	35.300
26.5	5.00E+00	4.400	2.000	3.467	1.576	37.000
26.5	5.00E+00	4.400	1.900	3.467	1.497	37.300
26.9	5.00E+00	4.400	1.900	3.467	1.497	36.300
27.4	5.00E+00	4.400	1.900	3.472	1.499	38.100
27.4	5.00E+00	4.400	1.900	3.464	1.496	35.300
28.3	4.90E+00	4.400	1.900	3.447	1.488	37.600
28.4	4.90E+00	4.400	1.900	3.432	1.482	35.600
30.3	5.00E+00	4.400	2.000	3.427	1.558	36.200
30.4	5.30E+00	4.500	2.200	3.529	1.725	36.600
32.6	5.40E+00	4.500	2.400	3.545	1.890	35.500
32.6	5.60E+00	4.500	2.600	3.552	2.051	38.100
33.9	5.70E+00	4.500	2.700	3.550	2.130	35.900
33.9	5.70E+00	4.600	2.700	3.622	2.126	38.400
33.9	5.90E+00	4.600	2.900	3.616	2.279	37.100

195.8	38.19795	1194	30.101	0	303.037429	258.575348
195.8	34.16962	1100	27.6	0.7	296.874871	246.482114
195.8	29.03795	1211	24.931	1.8	290.15599	239.009756
	29.1274	1083	21.459	0.7	286.556757	232.04
	28.0699	1046	17.819	2	286.531106	225.928416
	20.1262	1016	13.492	13.5	286.773594	221.337169
	14.41098	833	9.574	19.6	285.431799	220.381306
	13.25607	768	4.839	36.5	286.529271	222.326216
194	15.1298	782	2.375	42.3	289.5	228.680178
194	14.79683	791	0	38.8	292.00332	234.931957
194	14.30244	777	0	39	282.177121	240.238803
194	14.08215	779	0	39.6	279.363868	244.296916
194	14.0337	777	0	40.3	284.731214	247.183673
194.4	14.36528	779	0	39.7	285.776392	249.521878
194.8	14.31866	780	0	39.6	287.021058	251.904905
195.1	15.24085	904	0	51.8	289.671178	254.029545
195.5	18.28319	1077	1.434	60.7	301.135385	258.049224
195.7	44.7353	1631	4.598	91.8	308.431058	277.854139
195.3	68.12943	2052	8.662	75.3	311.388534	315.29099
195	97.95915	2107	11.865	65.5	318.206297	350.444059
194.6	96.06537	2185	15.356	75.9	321.83763	375.258021
194.3	90.43532	2184	18.462	80.6	322.334393	392.1815
193.9	58.9599	2054	20.717	78.2	322.623033	401.9613
193.5	65.10612	2074	22.059	86	314.013846	408.646919
193.1	70.16683	2107	23.284	80.6	315.041827	418.670854
192.8	44.19899	1796	24.22	75	309.818854	413.996339
192.4	38.71047	1440	24.84	84.7	316.532994	413.75913
192.4	34.91171	1438	25.46	84.1	312.76046	409.83703
192.8	33.2676	1446	25.46	83.4	309.978357	405.069902
193.2	33.76352	1455	25.46	84.5	317.464082	403.77413
193.6	31.42157	1458	25.46	81.9	329.579231	401.733171
194	31.89842	1465	25.46	79	348.680943	397.738478
194.3	27.46739	1466	25.752	77.2	346.672699	393.107327
194.7	30.07096	1473	26.08	85.9	341.818443	389.05505
195.1	30.16533	1489	26.08	76.8	340.336875	386.921458
195.4	30.7424	1504	26.496	77.5	331.402778	383.965
195.8	33.45062	1533	27.147	83.9	331.492486	382.9632
196.2	38.28729	1564	27.773	97.8	331.032885	387.59285
196.5	42.64783	1622	28.372	92	336.327115	398.683465
196.9	50.409	1685	29.634	91	342.663158	412.129098
197.2	53.37662	1747	30.878	75.9	345.093064	419.954092
197.6	45.6972	1798	31.498	83	344.948369	420.859167
197.2	39.55908	1784	32.29	82.8	346.866417	418.706337
196.9	34.95315	1570	32.91	82	345.302601	413.9244
196.5	33.93725	1600	33.53	85	343.153958	411.276667
196.1	35.57649	1629	34.096	82.4	329.039792	409.987826
195.8	35.25775	1653	34.725	82.4	329.713776	408.712713

0.85577	1.08391	7.9964	12242.697
0.856	1.08452	7.99896	12243.031
0.85621	1.08506	8.00166	12243.264
0.85639	1.08557	8.00387	12243.46
0.85655	1.08601	8.00561	12243.636
0.85667	1.08634	8.00692	12243.768
0.85677	1.08661	8.00796	12243.885
0.85686	1.08685	8.00894	12244.013
0.85695	1.08711	8.00983	12244.189
0.85704	1.08734	8.01094	12244.463
0.85712	1.08758	8.01246	12244.905
0.8572	1.08781	8.0143	12245.573
0.85728	1.08804	8.01622	12246.403
0.85736	1.08826	8.01771	12247.327
0.85744	1.08847	8.01904	12248.298
0.85753	1.08873	8.02043	12249.443
0.85766	1.08906	8.02236	12251.098
0.85792	1.08979	8.02679	12255.187
0.85836	1.09096	8.03684	12264.083
0.85892	1.09242	8.04587	12276.319
0.85962	1.09389	8.05418	12288.329
0.86047	1.09522	8.06208	12299.638
0.86124	1.0963	8.06807	12308.685
0.862	1.0973	8.07329	12317.593
0.86271	1.09834	8.0777	12326.207
0.86322	1.09909	8.08032	12332.536
0.86363	1.09976	8.08288	12337.842
0.86397	1.10039	8.0853	12342.978
0.86429	1.10095	8.08745	12347.962
0.86459	1.10155	8.08956	12352.92
0.86487	1.10208	8.0916	12357.794
0.86512	1.10263	8.09351	12362.323
0.86535	1.10312	8.09531	12366.496
0.86559	1.10365	8.0973	12370.723
0.86582	1.10418	8.09942	12374.948
0.86606	1.10471	8.1016	12379.299
0.86632	1.10531	8.10394	12383.89
0.86661	1.10593	8.10681	12389.127
0.86695	1.10671	8.10999	12395.675
0.86734	1.10756	8.11329	12403.594
0.86774	1.10844	8.11625	12411.729
0.86812	1.10924	8.11882	12418.518
0.86846	1.1099	8.12161	12424.084
0.86878	1.11056	8.12447	12429.143
0.8691	1.11116	8.1275	12434.061
0.86942	1.11181	8.1305	12439.157
0.86975	1.11243	8.13319	12444.26

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11:13:39.351	-9	0.00024	0.00047	0.00177	3.485	0.000337
11:13:40.351	-9	0.00024	0.00045	0.00172	3.217	0.000311
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11:13:42.351	-9	0.00021	0.00038	0.00168	2.569	0.000249
11:13:43.351	-9	0.00021	0.00042	0.0015	2.433	0.000235
11:13:44.351	-9	0.0002	0.00041	0.00121	2.3	0.000223
11:13:45.351	-9	0.00019	0.00041	0.00147	2.249	0.000218
11:13:46.351	-9	0.00019	0.00042	0.00133	2.136	0.000207
11:13:47.351	-9	0.00019	0.0004	0.00172	1.905	0.000185
11:13:48.351	-9	0.00018	0.00042	0.0019	1.708	0.000166
11:13:49.351	-9	0.00018	0.0004	0.0019	1.714	0.000166
11:13:50.351	-9	0.00018	0.00043	0.00189	1.795	0.000174
11:13:51.351	-9	0.00018	0.00041	0.00173	1.845	0.000179
11:13:52.351	-9	0.00019	0.00043	0.00174	1.832	0.000178
11:13:53.351	-9	0.00018	0.00043	0.00189	1.773	0.000172
11:13:54.351	-9	0.00019	0.0004	0.00207	1.735	0.000168
11:13:55.351	-9	0.00019	0.00041	0.0021	1.738	0.000169
11:13:56.351	-9	0.00019	0.00039	0.002	1.766	0.000171
11:13:57.351	-9	0.0002	0.00043	0.00202	1.772	0.000172
11:13:58.351	-9	0.00019	0.00043	0.00202	1.813	0.000176
11:13:59.351	-9	0.00019	0.00045	0.00204	1.869	0.000181
11:14:00.351	-9	0.0002	0.00047	0.00211	1.926	0.000187
11:14:01.351	-9	0.00025	0.00054	0.00266	2.383	0.000231
11:14:02.351	-9	0.00027	0.0006	0.00292	3.089	0.000299
11:14:03.351	-9	0.00028	0.00056	0.00344	3.75	0.000363
11:14:04.351	-9	0.00029	0.00061	0.00223	4.029	0.00039
11:14:05.351	-9	0.00031	0.00058	0.00204	4.145	0.000401
11:14:06.351	-9	0.00029	0.00052	0.00171	3.833	0.000371
11:14:07.351	-9	0.00035	0.00059	0.00205	4.267	0.000413
11:14:08.351	-9	0.00042	0.00064	0.00288	5.022	0.000486
11:14:09.351	-9	0.00046	0.00071	0.00271	5.481	0.00053
11:14:10.351	-9	0.00049	0.00063	0.00217	5.663	0.000547
11:14:11.351	-9	0.00054	0.00069	0.00233	5.878	0.000568
11:14:12.351	-9	0.00066	0.00073	0.00275	6.831	0.00066
11:14:13.351	-9	0.00072	0.00077	0.00283	7.575	0.000731
11:14:14.351	-9	0.00066	0.00064	0.00253	6.066	0.000586
11:14:15.351	-9	0.00072	0.00067	0.00335	6.23	0.000602
11:14:16.351	-9	0.00087	0.00087	0.00471	7.806	0.000754
11:14:17.351	-9	0.00095	0.00083	0.00381	8.449	0.000816
11:14:18.351	-9	0.00084	0.00068	0.00169	6.165	0.000596
11:14:19.351	-9	0.00074	0.00052	0.00108	3.504	0.000339
11:14:20.351	-9	0.00066	0.00044	0.00183	2.585	0.00025
11:14:21.351	-9	0.0006	0.00042	0.00238	2.53	0.000245
11:14:22.351	-9	0.00054	0.00038	0.00173	2.435	0.000236
11:14:23.351	-9	0.0005	0.00039	0.0014	2.29	0.000222
11:14:24.351	-9	0.00046	0.00036	0.00139	2.164	0.00021

35.1	6.10E+00	4.600	3.100	3.616	2.437	38.300
36.1	6.20E+00	4.600	3.200	3.628	2.524	39.400
36.1	6.30E+00	4.600	3.300	3.645	2.614	39.000
36.2	6.30E+00	4.600	3.300	3.657	2.624	42.300
36.2	6.30E+00	4.600	3.300	3.667	2.630	38.700
36.5	6.30E+00	4.600	3.300	3.685	2.643	41.600
36.5	6.10E+00	4.400	3.200	3.542	2.576	41.100
37.1	6.00E+00	4.400	3.000	3.538	2.413	42.300
37.1	5.90E+00	4.300	3.000	3.472	2.422	42.600
37.1	5.70E+00	4.100	2.900	3.335	2.360	40.900
37.1	5.60E+00	4.000	2.800	3.273	2.291	42.400
37.1	5.60E+00	4.000	2.800	3.273	2.291	40.500
37.5	5.60E+00	4.000	2.800	3.268	2.288	43.400
37.5	5.50E+00	4.000	2.800	3.263	2.284	41.200
37.5	5.60E+00	4.000	2.800	3.266	2.286	43.000
37.9	5.50E+00	4.000	2.700	3.272	2.211	42.600
37.9	5.50E+00	4.000	2.700	3.277	2.212	39.400
38.2	5.50E+00	4.000	2.700	3.277	2.212	39.700
38.2	5.60E+00	4.100	2.700	3.360	2.213	37.800
38.2	5.70E+00	4.200	2.700	3.442	2.213	41.400
38.7	5.60E+00	4.200	2.600	3.439	2.129	40.700
39.4	5.60E+00	4.200	2.600	3.435	2.126	42.500
39.4	5.60E+00	4.200	2.600	3.436	2.127	42.800
39.4	5.60E+00	4.200	2.600	3.439	2.129	39.000
39.7	5.50E+00	4.200	2.600	3.403	2.106	40.800
39.7	5.40E+00	4.200	2.600	3.365	2.083	36.500
40.4	5.70E+00	4.200	2.900	3.348	2.310	39.400
41.1	6.00E+00	4.300	3.200	3.423	2.543	37.100
41.1	6.20E+00	4.300	3.500	3.418	2.779	36.700
41.4	6.80E+00	4.400	4.200	3.495	3.333	38.000
41.4	7.20E+00	4.400	4.700	3.481	3.715	36.500
41.7	7.60E+00	4.500	5.100	3.548	4.020	38.500
41.7	8.00E+00	4.600	5.600	3.618	4.404	34.100
41.9	8.60E+00	4.700	6.300	3.691	4.943	36.500
41.9	9.30E+00	4.700	7.200	3.680	5.628	34.200
42.5	9.80E+00	4.900	7.700	3.808	5.981	34.900
42.5	1.06E+01	5.200	8.400	4.065	6.567	34.600
42	1.08E+01	5.200	8.600	4.084	6.752	33.400
42	1.09E+01	5.200	8.800	4.064	6.873	36.200
41.3	1.14E+01	5.300	9.400	4.126	7.314	33.400
41.3	1.24E+01	5.300	10.400	4.174	8.188	33.200
41.3	1.33E+01	5.300	11.100	4.294	8.989	31.100
41.2	1.40E+01	5.300	11.800	4.329	9.637	31.200
39.7	1.46E+01	5.300	12.700	4.302	10.308	33.700
39.7	1.49E+01	5.400	13.100	4.357	10.570	34.300
38.6	1.49E+01	5.500	13.000	4.430	10.472	38.700
38.6	1.41E+01	5.500	12.000	4.438	9.698	36.700

195.8	28.73994	1668	34.78	71.9	329.254038	404.728771
195.8	24.04058	1383	34.78	65.4	327.820154	396.4492
195.8	23.3605	1382	34.78	63	318.252111	386.424419
195.8	23.67317	1384	35.4	59	311.905461	377.542885
195.8	19.54281	1394	35.4	50.4	304.199526	366.811401
195.8	20.95608	1404	35.4	57.5	303.017308	356.805305
195.8	22.83203	1412	36.02	53.3	302.634357	350.427073
195.8	20.49	1414	36.02	37.3	295.782051	340.26
195.8	20.17806	1411	36.02	41.8	298.836885	328.444086
195.8	21.05203	1416	36.02	46.1	298.659375	320.9358
195.8	21.12738	1419	36.02	44.7	298.843168	315.072328
195.8	21.25723	1423	36.02	46.3	297.98215	310.7021
195.8	21.61131	1423	36.02	45.8	299.979082	307.128261
195.8	20.83249	1431	36.64	41.7	300.779605	302.927778
195.5	21.18408	1444	36.64	41.9	299.0765	297.954437
195.1	21.40939	1444	36.64	45.8	298.212448	294.61011
194.8	21.65681	1456	36.868	44.4	297.276403	291.406977
194.4	21.82708	1466	37.26	42.5	296.07307	288.915686
194	21.77091	1477	37.26	44.2	296.34233	286.099457
194	21.77163	1488	37.88	46.5	295.253462	284.5
194	22.27308	1498	37.88	45.2	295.965326	283.2288
194	22.44817	1506	38.5	45.1	295.939103	280.991416
194	22.33773	1514	38.5	43.2	297.4875	279.19703
194	29.92255	1518	38.5	87	296.269274	284.683397
194	32.03737	1542	39.12	72.9	302.345472	297.73482
194	31.61852	1561	39.74	71.5	307.348269	309.007898
194	32.16821	1567	39.74	74.6	309.851795	316.884355
194	34.01583	1578	40.226	74.5	312.716966	326.239867
194	26.39785	1583	40.37	70	314.135863	331.365
194	32.75781	1586	40.37	80.3	315.169311	336.465165
194	38.81975	1589	40.37	83.3	317.425	347.194
194	38.89259	1599	40.37	83.6	326.66357	357.086359
194	39.39429	1599	40.37	84.1	331.331902	367.217939
	38.92556	1602	40.37	83	333.438174	375.326374
	45.42979	1608	40.99	86.4	336.221712	385.497544
	50.04389	1612	40.99	84.2	340.025	399.79049
	32.40057	1600	40.37	77.7	340.575	399.879208
	41.95886	1583	40.37	86.6	337.681633	396.74087
194.2	51.80201	1583	40.37	92.9	356.087179	413.432967
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195	42.84522	1564	40.013	36.2	373.177143	416.521633
195.4	36.8	1530	38.68	51	349.402119	388.816889
195.8	29.49778	1506	38.5	62.9	337.329576	375.286792
195.8	26.22751	1483	37.806	58	330.322642	366.072228
195.8	22.03173	1460	37.211	48	329.391071	355.687933
195.8	20.5769	1435	36.54	48.3	324.996354	345.077164
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0.87095	1.11472	8.14219	12460.675
0.87116	1.11514	8.14369	12463.108
0.87136	1.11555	8.1449	12465.408
0.87155	1.11596	8.14637	12467.657
0.87174	1.11638	8.1477	12469.793
0.87193	1.11678	8.14942	12471.698
0.87211	1.1172	8.15132	12473.406
0.87229	1.1176	8.15322	12475.12
0.87247	1.11803	8.15511	12476.915
0.87265	1.11844	8.15684	12478.76
0.87284	1.11887	8.15858	12480.592
0.87302	1.1193	8.16047	12482.365
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0.8734	1.12011	8.16464	12485.838
0.87359	1.1205	8.16664	12487.604
0.87379	1.12093	8.16866	12489.376
0.87398	1.12136	8.17068	12491.189
0.87417	1.12181	8.17272	12493.058
0.87437	1.12228	8.17483	12494.984
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0.87606	1.12569	8.18983	12516.213
0.87641	1.12628	8.19188	12520.48
0.87683	1.12692	8.19476	12525.502
0.87729	1.12763	8.19747	12530.983
0.87778	1.12826	8.19964	12536.646
0.87832	1.12895	8.20197	12542.524
0.87898	1.12968	8.20472	12549.355
0.8797	1.13045	8.20755	12556.93
0.88036	1.13109	8.21008	12562.996
0.88108	1.13176	8.21343	12569.226
0.88195	1.13263	8.21814	12577.032
0.8829	1.13346	8.22195	12585.481
0.88374	1.13414	8.22364	12591.646
0.88448	1.13466	8.22472	12595.15
0.88514	1.1351	8.22655	12597.735
0.88574	1.13552	8.22893	12600.265
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0.88678	1.13629	8.23206	12604.99
0.88724	1.13665	8.23345	12607.154

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11:14:26.351	-9	0.00043	0.00047	0.00206	2.025	0.000196
11:14:27.351	-9	0.00038	0.00048	0.00212	2.026	0.000197
11:14:28.351	-9	0.00039	0.00052	0.00318	2.612	0.000253
11:14:29.351	-9	0.00041	0.00052	0.00297	3.257	0.000315
11:14:30.351	-9	0.00039	0.00051	0.00226	3.312	0.000321
11:14:31.351	-9	0.00039	0.00043	0.0018	3.227	0.000312
11:14:32.351	-9	0.00038	0.00042	0.00152	2.83	0.000274
11:14:33.351	-9	0.00038	0.00041	0.00164	2.557	0.000248
11:14:34.351	-9	0.00043	0.00045	0.00218	2.744	0.000266
11:14:35.351	-9	0.00051	0.00058	0.00269	3.481	0.000337
11:14:36.351	-9	0.00058	0.00062	0.00321	4.527	0.000438
11:14:37.351	-9	0.00074	0.00084	0.00432	6.556	0.000634
11:14:38.351	-9	0.00072	0.00073	0.00391	6.748	0.000652
11:14:39.351	-9	0.00032	0.00029	0.00104	2.433	0.000235
11:14:40.351	-9	0.00027	0.00022	0.00062	1.738	0.000168
11:14:41.351	-9	0.00024	0.00018	0.0007	1.297	0.000126
11:14:42.351	-9	0.00023	0.00018	0.00055	0.929	0.00009
11:14:43.351	-9	0.00028	0.00021	0.00039	0.795	0.000077
11:14:44.351	-9	0.0003	0.00028	0.00036	0.612	0.000059
11:14:45.351	-9	0.00022	0.00024	0.00068	0.44	0.000043
11:14:46.351	-9	0.00019	0.00025	0.001	0.449	0.000044
11:14:47.351	-9	0.00017	0.00024	0.00143	0.534	0.000052
11:14:48.351	-9	0.00015	0.00023	0.00144	0.629	0.000061
11:14:49.351	-9	0.00015	0.00024	0.00138	0.77	0.000075
11:14:50.351	-9	0.00014	0.00022	0.00146	0.916	0.000089
11:14:51.351	-9	0.00014	0.00025	0.00105	1.005	0.000097
11:14:52.351	-9	0.00014	0.00023	0.00139	1.059	0.000103
11:14:53.351	-9	0.00014	0.00024	0.00136	1.07	0.000104
11:14:54.351	-9	0.00014	0.00023	0.00131	1.064	0.000103
11:14:55.351	-9	0.00013	0.00023	0.00131	1.062	0.000103
11:14:56.351	-9	0.00013	0.00025	0.00131	1.066	0.000103
11:14:57.351	-9	0.00013	0.00023	0.0013	1.054	0.000102
11:14:58.351	-9	0.00013	0.00025	0.0013	1.053	0.000102
11:14:59.351	-9	0.00013	0.00024	0.0013	1.058	0.000103
11:15:00.351	-9	0.00013	0.00026	0.0013	1.057	0.000103
11:15:01.351	-9	0.00013	0.00025	0.0013	1.057	0.000103
11:15:02.351	-9	0.00013	0.00024	0.00131	1.063	0.000103
11:15:03.351	-9	0.00013	0.00024	0.00131	1.067	0.000104
11:15:04.351	-9	0.00013	0.00023	0.00131	1.072	0.000104
11:15:05.351	-9	0.00013	0.00025	0.0014	1.068	0.000104
11:15:06.351	-9	0.00013	0.00023	0.00143	1.064	0.000103
11:15:07.351	-9	0.00013	0.00024	0.00143	1.064	0.000103
11:15:08.351	-9	0.00013	0.00024	0.00141	1.071	0.000104
11:15:09.351	-9	0.00013	0.00023	0.00131	1.076	0.000104
11:15:10.351	-9	0.00013	0.00024	0.00141	1.074	0.000104
11:15:11.351	-9	0.00013	0.00023	0.00143	1.073	0.000104

37.4	1.24E+01	5.400	9.900	4.373	8.024	40.000
37.3	1.08E+01	5.000	8.200	4.098	6.723	39.900
36.2	9.40E+00	4.700	6.700	3.857	5.519	39.600
36.2	8.70E+00	4.400	6.300	3.580	5.127	38.800
36.5	8.60E+00	4.400	6.300	3.544	5.074	36.700
36.5	8.70E+00	4.400	6.500	3.522	5.203	38.600
37.4	9.30E+00	4.400	7.300	3.511	5.825	34.600
37.4	1.02E+01	4.500	8.200	3.598	6.555	37.300
38.3	1.07E+01	4.600	8.700	3.695	6.988	37.700
38.3	1.08E+01	4.700	8.700	3.783	7.002	37.700
39	1.08E+01	4.800	8.700	3.847	6.973	40.600
39	1.06E+01	4.800	8.600	3.808	6.825	38.100
39.5	1.05E+01	4.800	8.600	3.772	6.758	39.700
39.5	1.06E+01	4.800	8.700	3.752	6.799	35.500
40.2	1.20E+01	5.000	10.300	3.935	8.109	36.300
40.2	1.28E+01	5.000	11.100	3.968	8.809	35.300
40	1.36E+01	5.000	12.000	4.008	9.618	34.300
36.1	1.42E+01	5.200	12.300	4.230	10.009	37.300
27.5	1.43E+01	5.200	12.000	4.308	9.947	35.700
26.9	1.25E+01	5.100	9.800	4.286	8.262	38.100
15.4	9.90E+00	4.900	6.800	4.144	5.775	35.000
14.9	8.60E+00	4.800	5.400	4.053	4.571	37.600
4.6	7.60E+00	4.700	4.300	3.957	3.625	35.200
4.4	6.90E+00	4.600	3.600	3.855	3.020	34.300
0	6.70E+00	4.600	3.500	3.828	2.913	36.100
0	6.50E+00	4.500	3.400	3.722	2.812	33.500
0	6.30E+00	4.400	3.300	3.627	2.720	36.700
0	6.30E+00	4.400	3.200	3.619	2.634	33.600
0	6.10E+00	4.300	3.100	3.535	2.550	35.900
0	6.10E+00	4.300	3.100	3.535	2.549	34.700
0	6.00E+00	4.200	3.100	3.455	2.549	34.000
0	5.90E+00	4.200	3.000	3.453	2.468	37.100
0	5.90E+00	4.200	3.000	3.453	2.466	34.000
0	5.90E+00	4.200	3.000	3.453	2.466	37.100
0	5.90E+00	4.200	3.000	3.452	2.465	35.000
0	5.90E+00	4.200	3.000	3.451	2.465	39.200
0	5.90E+00	4.200	3.000	3.451	2.465	36.800
0	5.90E+00	4.200	3.000	3.451	2.465	35.800
0	5.80E+00	4.100	3.000	3.369	2.465	35.500
0	5.80E+00	4.100	3.000	3.369	2.465	34.400
0	5.80E+00	4.100	2.900	3.368	2.383	37.100
0	5.80E+00	4.100	2.900	3.368	2.383	33.500
0	5.80E+00	4.100	2.900	3.368	2.383	36.000
0	5.70E+00	4.100	2.900	3.367	2.382	35.100
0	5.70E+00	4.000	2.900	3.285	2.382	34.400
0	5.70E+00	4.000	2.900	3.285	2.382	36.300
0	5.70E+00	4.100	2.900	3.367	2.381	33.700

195.7	12.09153	1393	35.069	15	316.740751	322.024306
195.3	26.23658	1381	34.78	49.5	315.620231	316.134234
194.9	25.6694	1383	34.78	60.5	315.519268	318.065435
194.5	27.44144	1386	35.4	65.4	315.486538	319.875862
194.1	29.49479	1409	35.4	73.2	316.85	325.577573
194	27.73049	1427	36.112	68.4	318.606122	331.12478
194	25.66581	1449	36.71	60.7	318.810145	331.9116
194	24.82697	1462	37.26	48	317.390625	327.885356
194	21.74208	1478	37.406	59.7	316.417895	322.95321
194	25.91529	1488	37.88	72.4	316.656939	324.701795
194	29.49471	1500	37.88	77.1	317.898113	329.717843
194	34.03651	1509	38.067	82.5	320.32714	338.796407
194	49.64746	1520	38.5	87	325.337841	356.418031
194	39.29736	1533	39.12	73.6	342.674185	375.034468
194	18.56238	1483	37.519	21.2	342.12	366.604114
	11.68789	1343	33.87	2.1	328.840994	344.30442
	10.598	1175	29.908	0	320.299383	328.741642
	9.11659	1037	24.706	3.8	313.8984	315.583636
	17.64088	931	19.099	12.8	307.961741	304.188345
	14.66315	800	12.713	31.1	303.299175	294.785683
194	14.02662	827	7.353	21.2	301.210405	288.328478
194	15.04777	789	3.606	33.6	298.439293	284.240411
194	14.92718	801	0.907	39.1	297.865385	282.792396
194	14.37653	782	0	38.8	301.76	281.998806
	14.18785	780	0	38.8	301.198185	280.816923
	14.17615	779	0	38.9	300.073077	279.93003
	14.23635	778	0	39.3	299.920769	278.8362
	14.21747	780	0	39.6	299.820042	277.85104
	14.21812	780	0	39.2	300.538846	277.209732
	14.30338	779	0	38.8	299.377798	276.120078
	14.08821	777	0	38.8	298.732981	274.7362
	14.22827	776	0	38.8	298.017437	273.3362
	14.17655	780	0	38.8	298.027273	272.8
	14.26041	779	0	38.5	298.334261	271.526
195.8	14.25649	778	0	38.8	299.846387	270.315326
195.8	13.98364	780	0	38.5	302.712245	269.632391
195.8	14.11791	780	0	39	305.758951	268.184818
195.8	14.18794	781	0	39	300.8232	267.301573
195.8	14.21615	777	0	38.6	301.200256	266.712941
195.8	14.23147	778	0	38.7	296.703133	265.91469
195.8	14.2865	780	0	39.3	295.270625	264.519412
195.8	14.219	779	0	39.6	295.90303	264
195.8	14.38976	780	0	39.4	295.531865	263.837661
195.8	14.28653	778	0	39.7	295.862121	262.506087
195.8	14.31959	781	0	39.5	292.222347	261.68952
195.8	14.26945	780	0	39.2	293.067735	261.0846
195.8	14.27061	779	0	39.5	293.144399	260.389549

0.88767	1.13707	8.23511	12609.347
0.8881	1.13754	8.23717	12611.372
0.88848	1.13802	8.23929	12613.398
0.88887	1.13854	8.24247	12616.01
0.88928	1.13906	8.24544	12619.267
0.88967	1.13957	8.2477	12622.579
0.89006	1.14	8.2495	12625.806
0.89044	1.14042	8.25102	12628.636
0.89082	1.14083	8.25266	12631.193
0.89125	1.14128	8.25484	12633.937
0.89176	1.14186	8.25753	12637.418
0.89234	1.14248	8.26074	12641.945
0.89308	1.14332	8.26506	12648.501
0.8938	1.14405	8.26897	12655.249
0.89412	1.14434	8.27001	12657.682
0.89439	1.14456	8.27063	12659.42
0.89463	1.14474	8.27133	12660.717
0.89486	1.14492	8.27188	12661.646
0.89514	1.14513	8.27227	12662.441
0.89544	1.14541	8.27263	12663.053
0.89566	1.14565	8.27331	12663.493
0.89585	1.1459	8.27431	12663.942
0.89602	1.14614	8.27574	12664.476
0.89617	1.14637	8.27718	12665.105
0.89632	1.14661	8.27856	12665.875
0.89646	1.14683	8.28002	12666.791
0.8966	1.14708	8.28107	12667.796
0.89674	1.14731	8.28246	12668.855
0.89688	1.14755	8.28382	12669.925
0.89702	1.14778	8.28513	12670.989
0.89715	1.14801	8.28644	12672.051
0.89728	1.14826	8.28775	12673.117
0.89741	1.14849	8.28905	12674.171
0.89754	1.14874	8.29035	12675.224
0.89767	1.14898	8.29165	12676.282
0.8978	1.14924	8.29295	12677.339
0.89793	1.14949	8.29425	12678.396
0.89806	1.14973	8.29556	12679.459
0.89819	1.14997	8.29687	12680.526
0.89832	1.1502	8.29818	12681.598
0.89845	1.15045	8.29958	12682.666
0.89858	1.15068	8.30101	12683.73
0.89871	1.15092	8.30244	12684.794
0.89884	1.15116	8.30385	12685.865
0.89897	1.15139	8.30516	12686.941
0.8991	1.15163	8.30657	12688.015
0.89923	1.15186	8.308	12689.088

11:15:12.351	-9	0.00013	0.00024	0.00137	1.08	0.000105
11:15:13.351	-9	0.00013	0.00023	0.0013	1.079	0.000105
11:15:14.351	-9	0.00013	0.00023	0.0013	1.09	0.000106
11:15:15.351	-9	0.00013	0.00023	0.00131	1.098	0.000107
11:15:16.351	-9	0.00012	0.00022	0.00131	1.096	0.000106
11:15:17.351	-9	0.00013	0.00022	0.00132	1.102	0.000107
11:15:18.351	-9	0.00013	0.0002	0.00131	1.096	0.000106
11:15:19.351	-9	0.00012	0.00022	0.0013	1.087	0.000105
11:15:20.351	-9	0.00012	0.0002	0.0013	1.081	0.000105
11:15:21.351	-9	0.00012	0.00022	0.0013	1.081	0.000105
11:15:22.351	-9	0.00012	0.00022	0.0013	1.084	0.000105
11:15:23.351	-9	0.00012	0.00022	0.00131	1.087	0.000105
11:15:24.351	-9	0.00012	0.00024	0.00131	1.083	0.000105
11:15:25.351	-9	0.00012	0.00022	0.00131	1.087	0.000105
11:15:26.351	-9	0.00012	0.00024	0.00131	1.086	0.000105
11:15:27.351	-9	0.00012	0.00022	0.00131	1.089	0.000106
11:15:28.351	-9	0.00012	0.00024	0.00132	1.089	0.000106
11:15:29.351	-9	0.00012	0.00023	0.00132	1.093	0.000106
11:15:30.351	-9	0.00012	0.00023	0.00132	1.09	0.000106
11:15:31.351	-9	0.00012	0.00023	0.00131	1.083	0.000105
11:15:32.351	-9	0.00012	0.00022	0.00131	1.085	0.000105
11:15:33.351	-9	0.00012	0.00024	0.00131	1.086	0.000105
11:15:34.351	-9	0.00012	0.00022	0.00141	1.078	0.000105
11:15:35.351	-9	0.00012	0.00023	0.00136	1.089	0.000106
11:15:36.351	-9	0.00012	0.00023	0.00131	1.088	0.000106
11:15:37.351	-9	0.00012	0.00023	0.00131	1.083	0.000105
11:15:38.351	-9	0.00012	0.00024	0.00131	1.086	0.000105
11:15:39.351	-9	0.00012	0.00023	0.00131	1.082	0.000105
11:15:40.351	-9	0.00012	0.00026	0.00131	1.081	0.000105
11:15:41.351	-9	0.00012	0.00024	0.00131	1.084	0.000105
11:15:42.351	-9	0.00013	0.00025	0.00131	1.085	0.000105
11:15:43.351	-9	0.00012	0.00024	0.0013	1.077	0.000105
11:15:44.351	-9	0.00012	0.00024	0.0013	1.08	0.000105
11:15:45.351	-9	0.00012	0.00026	0.0013	1.08	0.000105
11:15:46.351	-9	0.00012	0.00023	0.00131	1.081	0.000105
11:15:47.351	-9	0.00012	0.00025	0.00131	1.081	0.000105
11:15:48.351	-9	0.00013	0.00024	0.00125	1.083	0.000105
11:15:49.351	-9	0.00013	0.00025	0.00118	1.083	0.000105
11:15:50.351	-9	0.00013	0.00024	0.00117	1.078	0.000105
11:15:51.351	-9	0.00013	0.00023	0.00117	1.079	0.000105
11:15:52.351	-9	0.00013	0.00026	0.00128	1.077	0.000104
11:15:53.351	-9	0.00013	0.00024	0.00131	1.08	0.000105
11:15:54.351	-9	0.00013	0.00026	0.0013	1.074	0.000104
11:15:55.351	-9	0.00013	0.00024	0.00131	1.082	0.000105
11:15:56.351	-9	0.00013	0.00025	0.00129	1.081	0.000105
11:15:57.351	-9	0.00013	0.00025	0.00118	1.08	0.000105
11:15:58.351	-9	0.00013	0.00024	0.00118	1.079	0.000105

0	5.70E+00	4.000	2.900	3.285	2.381	36.100	195.8	14.24997	783	0	39.3	288.2745	259.8
0	5.70E+00	4.000	2.900	3.284	2.381	34.200	195.8	14.24028	778	0	39.2	287.731493	259.618363
0	5.70E+00	4.000	2.900	3.282	2.380	35.000		14.15086	777	0	39.2	287.869375	258.771499
0	5.70E+00	4.000	2.900	3.282	2.379	34.300		14.21656	780	0	39.2	288.240481	257.8
0	5.60E+00	4.000	2.800	3.282	2.299	33.200		14.35	780	0	39.5	289.332218	257.507534
0	5.70E+00	4.000	2.900	3.282	2.380	32.700		14.33634	780	0	39.3	287.114108	256.5
0	5.70E+00	4.000	2.900	3.283	2.380	29.000		14.28008	779	0	39.2	287.617474	256.154528
0	5.60E+00	4.000	2.800	3.283	2.298	32.200	195.8	14.13992	778	0	39.2	288.188105	255
0	5.60E+00	4.000	2.800	3.283	2.298	30.100	195.8	14.14387	780	0	39.2	288.846116	254.845829
0	5.60E+00	4.000	2.800	3.283	2.298	33.200	195.8	14.02323	779	0	39.6	281.729735	254.062429
0	5.50E+00	3.900	2.800	3.201	2.298	32.800	195.8	14.43002	779	0	39.3	283.055645	253.326797
0	5.50E+00	3.900	2.800	3.202	2.299	32.200	195.8	14.23737	779	0	39.2	287.79907	253
0	5.50E+00	3.900	2.800	3.202	2.299	35.100	195.8	14.16474	778	0	39.2	292.46713	252.552334
0	5.50E+00	3.900	2.800	3.202	2.299	32.900	195.8	14.23541	779	0	39.2	299.133654	251.78952
0	5.50E+00	3.900	2.800	3.202	2.299	36.100	195.8	14.30737	779	0	39.3	305.230977	251.6
0	5.50E+00	3.900	2.800	3.202	2.299	32.500	195.8	14.20265	780	0	39.3	304.168391	250.482934
0	5.50E+00	3.900	2.800	3.202	2.299	35.000	195.8	14.31175	778	0	38.9	303.740454	250.3
0	5.50E+00	3.900	2.800	3.202	2.299	33.900	195.8	14.33	779	0	39.2	302.572693	249.230686
0	5.50E+00	3.900	2.800	3.202	2.299	34.400	195.8	14.17873	779	0	39.2	300.650907	249
0	5.50E+00	3.900	2.800	3.202	2.299	34.300	195.8	14.22033	778	0	39.5	306.035227	248.372386
0	5.50E+00	3.900	2.800	3.202	2.299	32.000	195.8	14.07053	779	0	39.7	298.285976	248.3
0	5.50E+00	3.900	2.800	3.202	2.299	34.900		14.25293	779	0	39.2	300.193373	248.3
0	5.50E+00	3.900	2.800	3.202	2.299	32.700		14.10872	779	0	39.4	301.097251	247.086922
0	5.50E+00	3.900	2.800	3.202	2.299	34.200		14.29988	778	0	39.4	302.145833	246.447976
0	5.50E+00	3.900	2.800	3.202	2.299	34.100		14.21753	778	0	39.2	300.291304	245.838493
0	5.50E+00	3.900	2.800	3.202	2.299	33.800		14.37788	779	0	39.2	300.402143	245.8
0	5.50E+00	3.900	2.800	3.202	2.299	35.500	195.8	14.19176	778	0	39.2	300.370423	245.154956
0	5.50E+00	3.900	2.800	3.202	2.299	33.500	195.8	14.09456	779	0	39.2	295.46581	245.1
0	5.50E+00	3.900	2.800	3.202	2.299	38.100	195.8	14.197	780	0	39.2	288.806923	244.5
0	5.50E+00	3.900	2.800	3.202	2.299	35.100	195.8	14.13	779	0	39.5	280.470301	244.388571
0	5.60E+00	3.900	2.900	3.202	2.380	36.900	195.8	14.26085	780	0	39.3	279.86	243.9
0	5.60E+00	3.900	2.900	3.202	2.381	36.300	195.8	14.11682	779	0	39.2	280.570686	243.571961
0	5.60E+00	3.900	2.900	3.202	2.381	35.300	195.8	14.15986	777	0	39.2	280.790141	242.5
0	5.60E+00	3.900	2.900	3.202	2.381	38.200	195.8	14.1139	781	0	39.9	273.441244	242.5
0	5.60E+00	3.900	2.900	3.202	2.381	34.400	195.8	14.22688	780	0	39.2	284.32572	242.180782
0	5.60E+00	3.900	2.900	3.201	2.381	37.600	195.8	14.3069	778	0	39.5	289.105202	242.279755
0	5.70E+00	4.000	2.900	3.283	2.381	35.600	195.8	14.18292	781	0	39.1	294.073321	241.615512
0	5.70E+00	4.000	3.000	3.283	2.463	37.200	195.8	14.0191	779	0	38.8	297.875	240.723485
0	5.80E+00	4.100	3.000	3.363	2.462	36.100	195.8	14.19	779	0	39.1	299.008	241.198468
0	5.80E+00	4.100	3.000	3.366	2.463	34.300	195.8	14.23298	778	0	39.6	297.872642	240.195644
0	5.80E+00	4.100	3.000	3.365	2.463	38.200	195.8	14.23809	780	0	39.4	296.642655	240
0	5.70E+00	4.000	3.000	3.284	2.463	35.000	195.8	14.1126	780	0	38.8	295.106736	239.512094
0	5.80E+00	4.100	3.000	3.367	2.464	38.600	195.8	14.13191	778	0	39	298.038462	239.928261
0	5.80E+00	4.100	3.000	3.367	2.463	36.100	195.8	14.10155	779	0	39.2	285.550491	239.343266
0	5.80E+00	4.100	3.000	3.367	2.463	37.100	195.8	14.19	780	0	39	286.968004	238.8
0	5.80E+00	4.100	3.000	3.367	2.463	37.300	195.8	14.50208	778	0	39	288.641851	238.784783
0	5.80E+00	4.100	3.000	3.367	2.464	35.900	195.8	14.29588	780	0	39.2	283.347917	238.1

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0.89949	1.15233	8.31067	12691.247
0.89962	1.15256	8.31197	12692.337
0.89975	1.15279	8.31328	12693.435
0.89987	1.15301	8.31459	12694.531
0.9	1.15323	8.31591	12695.633
0.90013	1.15343	8.31722	12696.729
0.90025	1.15365	8.31852	12697.816
0.90037	1.15385	8.31982	12698.897
0.90049	1.15407	8.32112	12699.978
0.90061	1.15429	8.32242	12701.062
0.90073	1.15451	8.32373	12702.149
0.90085	1.15475	8.32504	12703.232
0.90097	1.15497	8.32635	12704.319
0.90109	1.15521	8.32766	12705.405
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0.90133	1.15567	8.33029	12707.583
0.90145	1.1559	8.33161	12708.676
0.90157	1.15613	8.33293	12709.766
0.90169	1.15636	8.33424	12710.849
0.90181	1.15658	8.33555	12711.934
0.90193	1.15682	8.33686	12713.02
0.90205	1.15704	8.33827	12714.098
0.90217	1.15727	8.33963	12715.187
0.90229	1.1575	8.34094	12716.275
0.90241	1.15773	8.34225	12717.358
0.90253	1.15797	8.34356	12718.444
0.90265	1.1582	8.34487	12719.526
0.90277	1.15846	8.34618	12720.607
0.90289	1.1587	8.34749	12721.691
0.90302	1.15895	8.3488	12722.776
0.90314	1.15919	8.3501	12723.853
0.90326	1.15943	8.3514	12724.933
0.90338	1.15969	8.3527	12726.013
0.9035	1.15992	8.35401	12727.094
0.90362	1.16017	8.35532	12728.175
0.90375	1.16041	8.35657	12729.258
0.90388	1.16066	8.35775	12730.341
0.90401	1.1609	8.35892	12731.419
0.90414	1.16113	8.36009	12732.498
0.90427	1.16139	8.36137	12733.575
0.9044	1.16163	8.36268	12734.655
0.90453	1.16189	8.36398	12735.729
0.90466	1.16213	8.36529	12736.811
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11:16:00.351	-9	0.00013	0.00023	0.00123	1.072	0.000104
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11:16:02.351	-9	0.00013	0.00023	0.0013	1.072	0.000104
11:16:03.351	-9	0.00014	0.00026	0.00143	1.176	0.000114
11:16:04.351	-9	0.00023	0.00044	0.00242	2.001	0.000194
11:16:05.351	-9	0.00041	0.00083	0.00543	4.532	0.000439
11:16:06.351	-9	0.00123	0.00153	0.00853	11.269	0.00109
11:16:07.351	-9	0.00312	0.00189	0.00766	16.796	0.001624
11:16:08.351	-9	0.00506	0.00245	0.00922	20.571	0.001988
11:16:09.351	-9	0.00803	0.00295	0.01182	26.031	0.002516
11:16:10.351	-9	0.00868	0.00263	0.01095	21.331	0.002063
11:16:11.351	-9	0.00579	0.00178	0.00773	14.83	0.001434
11:16:12.351	-9	0.00319	0.00124	0.00586	10.943	0.001058
11:16:13.351	-9	0.00212	0.00129	0.00537	11.438	0.001105
11:16:14.351	-9	0.00087	0.00072	0.00256	6.181	0.000597
11:16:15.351	-9	0.00049	0.00058	0.00272	4.262	0.000412
11:16:16.351	-9	0.00032	0.00044	0.00211	3.153	0.000305
11:16:17.351	-9	0.00028	0.00046	0.00208	3.148	0.000305
11:16:18.351	-9	0.00024	0.00045	0.00181	3.167	0.000306
11:16:19.351	-9	0.00022	0.00042	0.00143	2.866	0.000277
11:16:20.351	-9	0.00013	0.00026	0.0009	1.722	0.000167
11:16:21.351	-9	0.00011	0.00022	0.0009	1.511	0.000146
11:16:22.351	-9	0.0001	0.00023	0.00086	1.308	0.000127
11:16:23.351	-9	0.0001	0.00021	0.00048	1.014	0.000098
11:16:24.351	-9	0.00009	0.00021	0.00045	0.69	0.000067
11:16:25.351	-9	0.00009	0.0002	0.00056	0.453	0.000044
11:16:26.351	-9	0.00008	0.00018	0.00053	0.322	0.000031
11:16:27.351	-9	0.00008	0.00017	0.00083	0.251	0.000024
11:16:28.351	-9	0.00007	0.00015	0.00091	0.22	0.000022
11:16:29.351	-9	0.00011	0.00023	0.00092	0.281	0.000027
11:16:30.351	-9	0.00018	0.00037	0.00138	0.433	0.000042
11:16:31.351	-9	0.0002	0.00044	0.00286	0.764	0.000075
11:16:32.351	-9	0.00022	0.00047	0.00513	2.475	0.00024
11:16:33.351	-9	0.00021	0.00047	0.00409	3.307	0.00032
11:16:34.351	-9	0.0002	0.00047	0.00239	3.289	0.000318
11:16:35.351	-9	0.00018	0.00044	0.00223	3.026	0.000293
11:16:36.351	-9	0.00018	0.00049	0.00234	3.184	0.000308
11:16:37.351	-9	0.0002	0.00052	0.00235	3.655	0.000354
11:16:38.351	-9	0.00021	0.00057	0.0023	4.043	0.000391
11:16:39.351	-9	0.00018	0.00049	0.0022	3.712	0.000359
11:16:40.351	-9	0.00017	0.00044	0.00166	3.329	0.000322
11:16:41.351	-9	0.00017	0.0005	0.00196	3.231	0.000313
11:16:42.351	-9	0.0002	0.00053	0.00254	3.694	0.000357
11:16:43.351	-9	0.00019	0.00056	0.00265	4.383	0.000424
11:16:44.351	-9	0.00018	0.00047	0.00231	3.902	0.000377
11:16:45.351	-9	0.00019	0.00052	0.00183	3.942	0.000381

0	5.80E+00	4.100	3.000	3.367	2.464	36.300
0	5.80E+00	4.100	3.000	3.367	2.464	34.000
0	5.80E+00	4.100	3.000	3.367	2.464	36.900
0	5.80E+00	4.100	3.000	3.367	2.464	33.900
0	5.80E+00	4.100	3.000	3.367	2.464	35.700
0	5.90E+00	4.200	3.000	3.434	2.454	38.100
0.5	5.90E+00	4.200	3.100	3.391	2.506	39.600
0.8	9.10E+00	4.400	7.100	3.485	5.660	37.500
8.5	1.61E+01	5.600	14.700	4.429	11.626	32.300
9	2.16E+01	8.500	18.900	6.689	14.906	34.700
18.6	2.67E+01	14.700	19.100	11.648	15.094	32.600
19	3.50E+01	25.300	18.900	20.024	14.952	35.100
28.9	3.37E+01	27.500	15.200	21.735	11.994	34.400
29.2	2.59E+01	22.400	10.500	17.625	8.307	33.400
35.1	1.77E+01	15.200	7.400	11.898	5.793	35.700
35.2	1.23E+01	10.400	5.200	8.214	4.107	33.800
38.1	9.10E+00	7.800	3.700	6.202	2.944	36.100
38.1	7.70E+00	6.300	3.300	5.029	2.635	35.500
38.3	6.80E+00	5.500	3.000	4.393	2.396	37.200
38.3	6.00E+00	4.900	2.700	3.901	2.149	37.700
38.2	6.00E+00	4.800	2.700	3.822	2.149	38.500
38.2	5.70E+00	4.800	2.400	3.828	1.915	39.400
37.6	5.60E+00	4.700	2.300	3.754	1.837	36.900
37.5	5.50E+00	4.500	2.300	3.618	1.849	40.000
36.1	5.40E+00	4.400	2.200	3.583	1.792	39.600
36	5.40E+00	4.400	2.100	3.642	1.739	40.500
33.9	5.30E+00	4.300	2.000	3.604	1.676	40.000
33.8	5.00E+00	4.100	1.800	3.462	1.521	36.300
32.2	4.90E+00	4.000	1.800	3.389	1.525	36.500
32.1	4.80E+00	4.000	1.700	3.395	1.443	32.400
29.3	4.80E+00	3.900	1.700	3.316	1.445	34.400
29.3	4.80E+00	3.900	1.700	3.320	1.447	31.900
28.4	4.70E+00	3.800	1.700	3.216	1.439	33.200
28.4	4.50E+00	3.800	1.700	3.111	1.392	32.500
28.5	4.40E+00	3.800	1.700	3.056	1.367	33.100
30.2	4.40E+00	3.800	1.700	3.045	1.362	34.700
30.3	4.30E+00	3.800	1.600	3.049	1.284	35.000
31.4	4.20E+00	3.800	1.500	3.043	1.201	37.500
32.1	4.20E+00	3.800	1.500	3.034	1.198	36.000
32.1	4.20E+00	3.800	1.500	3.022	1.193	37.600
32.7	4.20E+00	3.800	1.500	3.008	1.187	37.500
32.7	4.20E+00	3.800	1.500	3.014	1.190	36.400
32.7	4.10E+00	3.800	1.400	3.031	1.117	39.600
32.9	4.10E+00	3.800	1.400	3.030	1.116	37.500
33.1	4.10E+00	3.800	1.400	2.986	1.100	39.400
33.1	4.10E+00	3.800	1.400	2.993	1.103	36.000
33.7	4.10E+00	3.800	1.400	3.008	1.108	37.200

195.8	14.14403	779	0	39.2	278.653181	238.1
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195.8	14.15923	778	0	39.5	273.242857	237.8
	14.0957	779	0	39.6	272.914583	236.9
	14.08949	789	0	39.3	273.178659	237.334125
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	96.76242	2230	9.354	86	294.391566	307.898912
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194.4	132.34054	2560	19.05	88.2	335.914842	405.782981
193.7	191.48377	2817	24.362	86.8	355.45723	450.758343
192.9	173.19098	2798	29.065	79.7	339.366384	479.994389
192.2	116.36645	2461	32.382	80.9	327.478571	480.133913
192.2	77.8678	1966	34.245	85.3	327.797561	470.549951
192.2	75.81486	2046	36.063	91.7	326.065096	468.068862
192.2	43.23617	2003	36.694	77.8	327.394071	454.40715
192.2	32.63472	1752	37.26	66.7	316.961197	434.475132
192.4	24.63108	1459	37.055	68.5	298.955293	418.921795
193.1	26.09603	1453	36.64	70.8	299.016474	404.800399
193.9	24.9856	1450	36.64	62.6	297.966415	393.274608
194.6	25.45911	1444	36.64	46.9	295.411538	382.705263
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	10.89597	1271	32.29	0	282.702249	306.27949
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0.90531	1.16334	8.37134	12742.199
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0.90594	1.16452	8.37779	12747.518
0.90635	1.16535	8.38322	12752.05
0.90758	1.16688	8.39175	12763.319
0.9107	1.16877	8.39941	12780.115
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0.93826	1.17858	8.43913	12862.878
0.94145	1.17982	8.44499	12873.821
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0.94643	1.1851	8.46621	12913.591
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0.94713	1.18661	8.47179	12916.241
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0.94814	1.1889	8.48849	12929.102
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0.94908	1.19141	8.49934	12947.025
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11:16:46.351	-9	0.0002	0.00054	0.00232	4.174	0.000404
11:16:47.351	-9	0.00018	0.0005	0.00178	4.101	0.000396
11:16:48.351	-9	0.0002	0.00056	0.00174	4.252	0.000411
11:16:49.351	-9	0.00021	0.00056	0.00202	4.581	0.000443
11:16:50.351	-9	0.00024	0.00074	0.0025	6.134	0.000592
11:16:51.351	-9	0.0003	0.00083	0.00392	8.446	0.000815
11:16:52.351	-9	0.00046	0.00129	0.00785	14.018	0.001353
11:16:53.351	-9	0.00101	0.00232	0.01288	25.076	0.002419
11:16:54.351	-9	0.00361	0.00242	0.01407	27.045	0.00261
11:16:55.351	-9	0.00888	0.00273	0.01508	28.752	0.002776
11:16:56.351	-9	0.01969	0.00309	0.01228	28.97	0.0028
11:16:57.351	-9	0.01224	0.00181	0	8.938	0.000865
11:16:58.351	-9	0.00498	0.00089	0.00106	2.164	0.00021
11:16:59.351	-9	0.00227	0.00071	0.00397	1.989	0.000193
11:17:00.351	-9	0.00193	0.00107	0.0098	6.18	0.000599
11:17:01.351	-9	0.00217	0.00177	0.01744	15.986	0.001545
11:17:02.351	-9	0.00306	0.00223	0.01651	21.517	0.002078
11:17:03.351	-9	0.00565	0.00197	0.00912	19.842	0.001916
11:17:04.351	-9	0.00672	0.00194	0.0117	17.937	0.001733
11:17:05.351	-9	0.00898	0.00217	0.01317	21.584	0.002085
11:17:06.351	-9	0.00936	0.00192	0.01157	18.236	0.001762
11:17:07.351	-9	0.01301	0.00253	0.01436	25.067	0.002421
11:17:08.351	-9	0.01673	0.00224	0.01081	23.493	0.002269
11:17:09.351	-9	0.01656	0.00215	0.01035	18.683	0.001806
11:17:10.351	-9	0.01225	0.00169	0.00574	14.44	0.001396
11:17:11.351	-9	0.00543	0.00115	0.00513	8.733	0.000845
11:17:12.351	-9	0.00388	0.00118	0.00664	10.509	0.001016
11:17:13.351	-9	0.00236	0.0012	0.00599	10.969	0.00106
11:17:14.351	-9	0.00152	0.00109	0.00469	10.127	0.000978
11:17:15.351	-9	0.00111	0.00098	0.00437	9.697	0.000937
11:17:16.351	-9	0.0009	0.00101	0.00336	9.352	0.000903
11:17:17.351	-9	0.00052	0.00064	0.00241	6.211	0.0006
11:17:18.351	-9	0.00038	0.00054	0.00227	4.489	0.000434
11:17:19.351	-9	0.00032	0.0005	0.00179	3.364	0.000326
11:17:20.351	-9	0.00032	0.00056	0.00066	2.388	0.000231
11:17:21.351	-9	0.0003	0.00059	0.00136	1.354	0.000131
11:17:22.351	-9	0.00028	0.00053	0.00142	0.838	0.000082
11:17:23.351	-9	0.00026	0.00052	0.00192	0.873	0.000085
11:17:24.351	-9	0.00026	0.00053	0.00341	1.607	0.000156
11:17:25.351	-9	0.0003	0.00074	0.00517	3.567	0.000346
11:17:26.351	-9	0.00033	0.00078	0.00471	5.285	0.000512
11:17:27.351	-9	0.00026	0.0006	0.00318	4.496	0.000435
11:17:28.351	-9	0.00021	0.00052	0.00202	3.458	0.000335
11:17:29.351	-9	0.00022	0.00054	0.00149	3.17	0.000307
11:17:30.351	-9	0.00022	0.00062	0.00163	3.072	0.000297
11:17:31.351	-9	0.00023	0.00061	0.00214	3.238	0.000314
11:17:32.351	-9	0.00024	0.00068	0.00226	3.617	0.00035

33.7	4.10E+00	3.800	1.400	3.003	1.106	37.300
34.1	4.10E+00	3.800	1.400	2.991	1.102	36.500
34.1	4.10E+00	3.800	1.400	2.997	1.104	38.500
34.3	4.10E+00	3.800	1.400	2.996	1.104	36.000
34.3	3.80E+00	3.500	1.400	2.738	1.093	39.500
35.3	3.70E+00	3.400	1.400	2.636	1.085	34.500
35.4	3.70E+00	3.400	1.400	2.619	1.078	34.100
37.5	4.60E+00	4.500	1.500	3.448	1.152	35.100
37.7	1.48E+01	17.000	2.100	13.149	1.609	32.800
42.9	3.28E+01	37.700	4.700	29.213	3.630	33.500
43.2	6.13E+01	70.400	7.400	55.433	5.837	31.900
50.9	7.29E+01	80.200	9.000	65.535	7.351	35.700
51	5.96E+01	61.900	9.100	51.951	7.642	35.100
53.1	3.42E+01	33.800	7.100	28.287	5.958	35.600
53.1	2.01E+01	19.700	5.100	15.964	4.140	37.100
53.4	1.39E+01	13.400	4.400	10.444	3.426	37.400
53.5	1.52E+01	15.900	3.700	12.281	2.871	36.600
55.5	2.81E+01	32.500	3.500	25.401	2.735	32.500
55.6	3.61E+01	42.400	3.700	33.204	2.895	34.600
59.5	4.06E+01	47.700	4.300	37.270	3.361	32.600
59.5	4.93E+01	58.100	4.900	45.479	3.835	33.500
59.7	5.40E+01	63.700	5.700	49.537	4.425	34.800
63.4	6.99E+01	82.800	6.600	64.747	5.153	31.000
67.2	8.04E+01	94.000	8.100	74.024	6.370	34.600
67.3	6.96E+01	78.500	9.000	62.400	7.152	31.900
70.5	4.94E+01	53.200	8.800	42.425	7.015	34.800
70.5	3.28E+01	34.500	7.000	27.238	5.538	33.200
71.5	2.06E+01	20.700	5.600	16.227	4.402	35.000
71.5	1.44E+01	13.700	4.700	10.749	3.684	34.300
72.3	1.13E+01	10.700	3.700	8.392	2.905	33.000
72.3	9.50E+00	8.800	3.300	6.885	2.581	35.200
72.8	8.00E+00	7.300	2.900	5.731	2.276	32.500
72.8	7.50E+00	6.900	2.600	5.455	2.056	35.200
72.5	7.10E+00	6.300	2.500	5.049	2.004	36.600
72.4	6.80E+00	6.100	2.200	5.006	1.807	39.200
70.8	6.50E+00	5.700	2.100	4.779	1.759	41.800
70.7	5.80E+00	5.000	1.900	4.233	1.608	37.000
68.9	5.60E+00	4.800	1.800	4.060	1.522	37.000
68.9	5.30E+00	4.700	1.700	3.922	1.419	36.400
67.6	5.10E+00	4.600	1.700	3.739	1.382	41.300
67.6	5.00E+00	4.600	1.700	3.662	1.353	39.600
67.1	5.00E+00	4.500	1.800	3.557	1.423	39.100
67.1	5.00E+00	4.500	1.800	3.574	1.430	41.800
67.1	5.10E+00	4.500	1.800	3.608	1.443	42.000
66.2	5.00E+00	4.400	1.800	3.545	1.450	46.000
65.2	4.80E+00	4.300	1.700	3.465	1.370	43.000
65.2	4.80E+00	4.300	1.700	3.451	1.364	45.200

195.8	30.87232	1313	33.53	79.3	309.889819	350.976288
195.8	28.13306	1323	33.53	72.4	309.282041	353.649949
195.8	30.25386	1331	33.571	87.7	311.395	353.162
195.8	32.44609	1346	34.16	96.2	319.727495	362.910345
	43.01577	1371	34.851	91.9	320.570632	376.82619
	49.5172	1407	35.463	94.9	324.355556	393.006281
	76.89654	1468	37.297	98.8	330.993568	421.448318
	130.84828	1780	39.313	99.6	346.775	468.774026
	147.34486	2051	43.042	99.6	363.529854	519.860381
197.1	161.80414	2226	46.772	99.6	375.10125	553.2788
196.4	197.26547	2520	50.426	97.2	387.349896	578.016471
195.7	125.0247	2895	52.16	39.9	385.519527	550.661818
194.9	51.54902	2331	50.92	21.5	357.736983	440.435236
194.2	46.70449	1713	51.077	76.6	355.153846	404.011235
194.3	58.77595	1393	51.54	99.4	363.652911	415.077391
194.8	84.15079	1423	53.095	99.6	367.17093	452.626496
195.2	137.4386	1960	54.382	96.9	350.092519	501.800768
195.6	129.12358	1837	56.371	91.1	367.1789	532.228285
196.5	108.06251	1887	57.89	65.5	415.114776	530.576444
197.7	147.92218	1949	60.084	89.5	423.981837	539.991592
198.9	105.63383	2001	61.781	88.2	450.461596	551.285313
200.1	155.51277	2068	63.675	98.9	431.251346	566.313739
201.2	158.41023	2136	65.793	94.5	427.631538	588.574667
201.2	137.21651	2187	67.63	87.3	432.627692	579.56
201.2	106.77354	2199	68.31	72.3	409.615739	551.212236
201.2	81.2654	1896	68.93	72.9	375.000833	521.807662
201.2	75.7255	1865	69.412	82.8	389.483768	518.306923
201.2	70.51834	1877	69.55	87.7	387.465269	517.423824
201.2	63.99544	1886	70.17	91.5	386.511979	518.258529
201.2	62.91615	1892	70.17	92	387.772234	518.3
201.2	61.46005	1895	70.682	86.5	399.316667	518.3
201.2	42.04693	1895	70.17	82.7	420.995214	506.688824
	25.0439	1874	70.07	56	413.529243	486.52099
	25.10514	1859	68.93	24.7	400.813438	449.808391
	30.15232	1834	68.232	5.5	391.295	418.200518
	29.58418	1808	67.07	11.1	383.742449	390.641078
	31.9697	1786	66.362	23.8	376.586429	367.206158
197.4	30.38423	1766	65.764	50.4	373.011746	356.002358
197	32.28765	1757	65.2	77.1	375.369796	362.504348
196.6	40.42303	1750	65.2	83.7	378.264342	378.754891
196.2	41.62816	1745	64.913	83.1	386.253704	396.25332
195.9	26.2876	1736	64.58	61	392.08375	401.005055
195.8	24.99128	1722	63.96	54.6	388.479767	392.285291
195.8	27.36469	1709	63.36	52.5	384.136923	384.195326
195.8	28.44674	1696	62.72	57	382.512082	378.068531
195.8	29.17207	1683	62.72	60.2	382.576122	375.092182
195.8	32.82703	1677	62.1	73.3	384.037572	378.125471

0.95021	1.19453	8.51295	12970.351
0.95039	1.19503	8.51473	12974.452
0.95059	1.19559	8.51647	12978.704
0.9508	1.19615	8.51849	12983.285
0.95104	1.19689	8.52099	12989.419
0.95134	1.19772	8.52491	12997.865
0.9518	1.19901	8.53276	13011.883
0.95281	1.20133	8.54564	13036.959
0.95642	1.20375	8.55971	13064.004
0.9653	1.20648	8.57479	13092.756
0.98499	1.20957	8.58707	13121.726
0.99723	1.21138	8.58707	13130.664
1.00221	1.21227	8.58813	13132.828
1.00448	1.21298	8.5921	13134.817
1.00641	1.21405	8.6019	13140.997
1.00858	1.21582	8.61934	13156.983
1.01164	1.21805	8.63585	13178.5
1.01729	1.22002	8.64497	13198.342
1.02401	1.22196	8.65667	13216.279
1.03299	1.22413	8.66984	13237.863
1.04235	1.22605	8.68141	13256.099
1.05536	1.22858	8.69577	13281.166
1.07209	1.23082	8.70658	13304.659
1.08865	1.23297	8.71693	13323.342
1.1009	1.23466	8.72267	13337.782
1.10633	1.23581	8.7278	13346.515
1.11021	1.23699	8.73444	13357.024
1.11257	1.23819	8.74043	13367.993
1.11409	1.23928	8.74512	13378.12
1.1152	1.24026	8.74949	13387.817
1.1161	1.24127	8.75285	13397.169
1.11662	1.24191	8.75526	13403.38
1.117	1.24245	8.75753	13407.869
1.11732	1.24295	8.75932	13411.233
1.11764	1.24351	8.75998	13413.621
1.11794	1.2441	8.76134	13414.975
1.11822	1.24463	8.76276	13415.813
1.11848	1.24515	8.76468	13416.686
1.11874	1.24568	8.76809	13418.293
1.11904	1.24642	8.77326	13421.86
1.11937	1.2472	8.77797	13427.145
1.11963	1.2478	8.78115	13431.641
1.11984	1.24832	8.78317	13435.099
1.12006	1.24886	8.78466	13438.269
1.12028	1.24948	8.78629	13441.341
1.12051	1.25009	8.78843	13444.579
1.12075	1.25077	8.79069	13448.196

11:17:33.351	-9	0.00026	0.00071	0.00249	4.396	0.000425
11:17:34.351	-9	0.00027	0.00072	0.00316	5.036	0.000487
11:17:35.351	-9	0.00027	0.00072	0.00292	5.42	0.000524
11:17:36.351	-9	0.00028	0.0007	0.0026	5.756	0.000556
11:17:37.351	-9	0.00031	0.00078	0.00255	6.515	0.000629
11:17:38.351	-9	0.00033	0.00072	0.00236	7.335	0.000708
11:17:39.351	-9	0.00033	0.0008	0.00206	7.606	0.000734
11:17:40.351	-9	0.00033	0.00075	0.00237	7.677	0.000741
11:17:41.351	-9	0.00033	0.00073	0.00243	7.564	0.00073
11:17:42.351	-9	0.00033	0.00084	0.00259	7.398	0.000714
11:17:43.351	-9	0.00031	0.0008	0.00266	7.013	0.000677
11:17:44.351	-9	0.00026	0.00073	0.00232	5.88	0.000568
11:17:45.351	-9	0.00026	0.00064	0.00266	5.841	0.000564
11:17:46.351	-9	0.00031	0.0008	0.00346	7.108	0.000687
11:17:47.351	-9	0.00032	0.00081	0.00295	7.909	0.000763
11:17:48.351	-9	0.00028	0.0007	0.00217	6.79	0.000655
11:17:49.351	-9	0.00026	0.00066	0.00217	5.812	0.000561
11:17:50.351	-9	0.00024	0.0006	0.00247	5.385	0.00052
11:17:51.351	-9	0.00022	0.00061	0.00232	4.97	0.00048
11:17:52.351	-9	0.00022	0.00057	0.00179	4.635	0.000448
11:17:53.351	-9	0.00021	0.00057	0.00176	4.265	0.000412
11:17:54.351	-9	0.00021	0.00061	0.00205	4.256	0.000411
11:17:55.351	-9	0.00021	0.00065	0.00238	4.294	0.000415
11:17:56.351	-9	0.00021	0.00065	0.00261	4.329	0.000419
11:17:57.351	-9	0.00021	0.00062	0.00257	4.279	0.000414
11:17:58.351	-9	0.00021	0.00065	0.00256	4.313	0.000417
11:17:59.351	-9	0.0002	0.00061	0.00252	4.275	0.000413
11:18:00.351	-9	0.0002	0.00064	0.00251	4.244	0.00041
11:18:01.351	-9	0.0002	0.00064	0.00245	4.225	0.000409
11:18:02.351	-9	0.0002	0.00067	0.00227	4.237	0.00041
11:18:03.351	-9	0.0002	0.00068	0.00228	4.255	0.000412
11:18:04.351	-9	0.0002	0.00063	0.0022	4.087	0.000395
11:18:05.351	-9	0.00019	0.00066	0.00218	3.968	0.000384
11:18:06.351	-9	0.0002	0.00065	0.00183	3.861	0.000374
11:18:07.351	-9	0.00017	0.00061	0.00138	3.205	0.00031
11:18:08.351	-9	0.00017	0.00058	0.00175	2.997	0.00029
11:18:09.351	-9	0.00018	0.00064	0.00203	3.087	0.000299
11:18:10.351	-9	0.00019	0.0007	0.00214	3.149	0.000305
11:18:11.351	-9	0.00019	0.00065	0.0022	2.9	0.000281
11:18:12.351	-9	0.00018	0.00059	0.00133	1.989	0.000193
11:18:13.351	-9	0.00017	0.0005	0.00074	1.06	0.000103
11:18:14.351	-9	0.0002	0.0006	0.00183	0.981	0.000095
11:18:15.351	-9	0.00019	0.00058	0.00271	1.432	0.000139
11:18:16.351	-9	0.00021	0.00064	0.00415	2.404	0.000233
11:18:17.351	-9	0.00023	0.00077	0.00472	3.744	0.000363
11:18:18.351	-9	0.00022	0.00069	0.00365	4.521	0.000438
11:18:19.351	-9	0.00021	0.00069	0.0025	4.327	0.000419

64.4	4.70E+00	4.300	1.600	3.427	1.277	42.700
64.4	4.60E+00	4.200	1.600	3.326	1.267	41.000
64.4	4.60E+00	4.200	1.600	3.312	1.262	39.700
64.1	4.60E+00	4.200	1.600	3.304	1.259	37.600
64	4.60E+00	4.200	1.600	3.296	1.256	38.100
64	4.50E+00	4.200	1.600	3.278	1.249	32.600
64	4.50E+00	4.200	1.600	3.271	1.246	36.000
64	4.50E+00	4.200	1.600	3.269	1.245	33.600
64.2	4.50E+00	4.200	1.600	3.270	1.246	33.100
64.2	4.50E+00	4.200	1.600	3.273	1.247	38.500
64.6	4.40E+00	4.200	1.500	3.273	1.169	38.700
64.6	4.50E+00	4.200	1.500	3.280	1.172	40.800
64.9	4.40E+00	4.100	1.500	3.211	1.175	35.500
64.9	4.40E+00	4.100	1.500	3.200	1.171	37.400
65	4.30E+00	4.000	1.500	3.107	1.165	35.600
65	4.30E+00	4.000	1.500	3.110	1.166	35.500
65.8	4.30E+00	4.000	1.500	3.130	1.174	36.600
65.8	4.30E+00	4.000	1.500	3.132	1.175	36.000
66.3	4.30E+00	4.000	1.500	3.137	1.177	39.000
66.3	4.30E+00	4.000	1.500	3.145	1.179	38.000
66.6	4.30E+00	4.000	1.500	3.155	1.183	40.200
66.6	4.20E+00	3.900	1.400	3.085	1.108	41.000
66.6	4.10E+00	3.900	1.300	3.094	1.032	42.500
66.6	4.10E+00	3.900	1.300	3.094	1.031	41.900
66.6	4.10E+00	3.900	1.300	3.093	1.031	40.500
66.6	4.10E+00	3.900	1.300	3.090	1.030	42.600
66.6	4.00E+00	3.800	1.200	3.010	0.950	40.800
66.6	4.00E+00	3.800	1.300	3.010	1.029	42.900
66.6	4.00E+00	3.800	1.200	3.013	0.952	42.500
66.7	4.00E+00	3.900	1.200	3.092	0.952	44.200
66.9	4.00E+00	3.900	1.200	3.094	0.952	44.900
66.9	4.00E+00	3.900	1.200	3.095	0.952	42.700
67	4.00E+00	3.800	1.200	3.021	0.954	45.500
67	4.00E+00	3.800	1.200	3.030	0.957	44.000
67	4.00E+00	3.800	1.200	3.044	0.961	46.900
67	4.00E+00	3.800	1.200	3.057	0.965	45.100
67	4.00E+00	3.800	1.200	3.060	0.966	47.100
66.6	4.00E+00	3.800	1.200	3.065	0.968	49.700
66.3	4.10E+00	3.800	1.200	3.085	0.974	45.000
66.3	4.10E+00	3.800	1.200	3.129	0.988	45.900
65.4	4.20E+00	3.800	1.200	3.189	1.007	42.000
65.4	4.20E+00	3.800	1.200	3.207	1.013	42.700
64.1	4.20E+00	3.800	1.200	3.177	1.003	41.500
64.1	4.10E+00	3.800	1.200	3.126	0.987	41.500
63.5	4.00E+00	3.800	1.200	3.071	0.970	44.500
63.4	4.10E+00	3.900	1.200	3.100	0.954	41.500
61.9	4.00E+00	3.900	1.200	3.091	0.951	44.600

195.8	34.39145	1673	62.1	79.3	383.453958	383.825
195.8	36.95823	1670	62.1	80.3	384.622495	390.778
195.8	37.50651	1667	62.1	81.2	385.940314	398.693061
195.8	36.96278	1665	62.1	84.6	389.198718	404.458849
196	42.65067	1663	61.571	87.9	392.622651	414.029901
196.4	45.41792	1667	62.1	88.9	396.015269	427.040752
196.8	46.503	1672	62.1	89	399.036639	438.032325
197.1	46.27863	1677	62.1	88.3	403.1	445.332711
197.5	45.20054	1679	62.1	88.6	403.537708	449.958
197.6	44.81717	1681	62.72	89.5	404.377453	453.263237
197.6	42.97417	1686	62.72	88.8	404.59375	454.576677
197.6	36.68337	1687	62.72	89.8	403.490292	452.945877
197.6	34.57518	1690	62.72	88.3	410.550305	448.139726
197.6	45.4866	1695	63.009	92.7	413.622437	450.1233
197.6	47.46049	1706	63.34	87.9	418.296707	459.241515
197.6	39.73372	1716	63.96	85.7	418.841892	460.908991
197.6	35.14067	1723	63.96	87.2	415.564509	456.122803
197.6	34.995	1729	63.96	81.5	407.223699	452.025
197.6	31.72419	1731	64.58	77.3	397.608429	445.441667
197.2	31.22996	1734	64.58	77.6	395.76875	437.225661
196.8	29.43289	1732	64.58	67.5	392.415192	428.563636
196.5	31.47409	1734	64.58	69.1	385.276974	420.251106
196.1	32.75453	1738	64.58	71	380.681664	414.559528
195.8	32.68809	1733	64.58	75	378.730539	410.163636
195.8	32.12559	1735	64.58	73.2	374.007212	406.925
195.8	32.23224	1736	64.58	73	370.847398	405.640426
195.8	32.00992	1738	64.58	74.3	368.000521	402.542708
195.8	31.41104	1739	64.58	72.8	368.655854	398.107282
195.8	31.67456	1742	64.58	73.1	367.521497	394.728063
195.8	31.44	1744	64.58	72.4	366.648555	392.278335
195.8	31.87752	1745	64.58	72.3	365.889484	389.984861
195.8	29.9805	1742	64.842	70.5	364.70125	387.511297
195.8	29.79266	1741	64.58	63	363.989961	383.174426
195.8	31.29296	1739	64.58	52.9	364.85	377.24683
195.8	27.39972	1735	64.58	55.5	364.440796	368.152603
195.8	27.36809	1730	64.58	55.9	362.758333	362.003787
195.8	28.58803	1727	63.96	51.8	359.753367	354.76087
195.8	28.86459	1723	63.96	49.8	356.855833	346.6936
195.5	29.80558	1711	63.75	13.5	353.0225	334.457243
195.1	26.85769	1694	63.13	11.6	345.0375	315.2985
194.7	25.0995	1679	62.491	17.2	338.619647	300.998276
194.3	24.10368	1673	61.656	36.2	334.978035	294.634615
194	31.45215	1659	61.48	59	341.390278	302.035753
194	32.0404	1644	61.48	32	344.327017	310.987327
194	38.65356	1653	61.48	81.5	345.384906	326.325223
194	34.51668	1649	61.48	74.7	353.660125	342.353493
194	29.90927	1646	60.86	58.9	358.988462	345.752497

1.12101	1.25148	8.79318	13452.592
1.12128	1.2522	8.79634	13457.628
1.12155	1.25292	8.79926	13463.048
1.12183	1.25362	8.80186	13468.804
1.12214	1.2544	8.80441	13475.319
1.12247	1.25512	8.80677	13482.654
1.1228	1.25592	8.80883	13490.26
1.12313	1.25667	8.8112	13497.937
1.12346	1.2574	8.81363	13505.501
1.12379	1.25824	8.81622	13512.899
1.1241	1.25904	8.81888	13519.912
1.12436	1.25977	8.8212	13525.792
1.12462	1.26041	8.82386	13531.633
1.12493	1.26121	8.82732	13538.741
1.12525	1.26202	8.83027	13546.65
1.12553	1.26272	8.83244	13553.44
1.12579	1.26338	8.83461	13559.252
1.12603	1.26398	8.83708	13564.637
1.12625	1.26459	8.8394	13569.607
1.12647	1.26516	8.84119	13574.242
1.12668	1.26573	8.84295	13578.507
1.12689	1.26634	8.845	13582.763
1.1271	1.26699	8.84738	13587.057
1.12731	1.26764	8.84999	13591.386
1.12752	1.26826	8.85256	13595.665
1.12773	1.26891	8.85512	13599.978
1.12793	1.26952	8.85764	13604.253
1.12813	1.27016	8.86015	13608.497
1.12833	1.2708	8.8626	13612.722
1.12853	1.27147	8.86487	13616.959
1.12873	1.27215	8.86715	13621.214
1.12893	1.27278	8.86935	13625.301
1.12912	1.27344	8.87153	13629.269
1.12932	1.27409	8.87336	13633.13
1.12949	1.2747	8.87474	13636.335
1.12966	1.27528	8.87649	13639.332
1.12984	1.27592	8.87852	13642.419
1.13003	1.27662	8.88066	13645.568
1.13022	1.27727	8.88286	13648.468
1.1304	1.27786	8.88419	13650.457
1.13057	1.27836	8.88493	13651.517
1.13077	1.27896	8.88676	13652.498
1.13096	1.27954	8.88947	13653.93
1.13117	1.28018	8.89362	13656.334
1.1314	1.28095	8.89834	13660.078
1.13162	1.28164	8.90199	13664.599
1.13183	1.28233	8.90449	13668.926

11:18:20.351	-9	0.0002	0.00065	0.00218	3.796	0.000367
11:18:21.351	-9	0.00022	0.00074	0.00211	4.179	0.000404
11:18:22.351	-9	0.0002	0.00063	0.003	4.092	0.000396
11:18:23.351	-9	0.00019	0.00058	0.00275	3.967	0.000384
11:18:24.351	-9	0.00019	0.00066	0.00241	4.067	0.000393
11:18:25.351	-9	0.00018	0.0006	0.00205	3.944	0.000381
11:18:26.351	-9	0.00019	0.00067	0.00217	4.033	0.00039
11:18:27.351	-9	0.00021	0.00072	0.00272	4.745	0.000459
11:18:28.351	-9	0.00025	0.00086	0.00317	6.106	0.00059
11:18:29.351	-9	0.00026	0.00087	0.00214	6.79	0.000655
11:18:30.351	-9	0.00028	0.00088	0.00191	7.342	0.000709
11:18:31.351	-9	0.00032	0.00103	0.00319	8.954	0.000864
11:18:32.351	-9	0.00035	0.00107	0.00463	10.03	0.000968
11:18:33.351	-9	0.00031	0.00097	0.00224	8.052	0.000777
11:18:34.351	-9	0.00028	0.00087	0.00313	6.764	0.000653
11:18:35.351	-9	0.00029	0.0009	0.00368	7.416	0.000716
11:18:36.351	-9	0.00036	0.00108	0.00406	10.041	0.000969
11:18:37.351	-9	0.00036	0.00107	0.00344	9.943	0.000959
11:18:38.351	-9	0.00037	0.0011	0.00356	9.937	0.000959
11:18:39.351	-9	0.00042	0.00116	0.00453	10.495	0.001013
11:18:40.351	-9	0.00036	0.00105	0.00161	7.351	0.000711
11:18:41.351	-9	0.00027	0.00078	0.0029	4.643	0.000449
11:18:42.351	-9	0.00036	0.00107	0.00658	7.067	0.000684
11:18:43.351	-9	0.00038	0.00112	0.00706	9.509	0.000919
11:18:44.351	-9	0.00033	0.00093	0.00335	7.912	0.000764
11:18:45.351	-9	0.00029	0.00085	0.00395	6.908	0.000668
11:18:46.351	-9	0.00027	0.00074	0.00337	6.368	0.000615
11:18:47.351	-9	0.00026	0.00079	0.00319	6.201	0.000599
11:18:48.351	-9	0.00024	0.00068	0.00282	5.841	0.000564
11:18:49.351	-9	0.00022	0.00066	0.00249	5.196	0.000502
11:18:50.351	-9	0.00021	0.00064	0.00259	4.857	0.000469
11:18:51.351	-9	0.0002	0.00063	0.00243	4.417	0.000427
11:18:52.351	-8.8	0.00022	0.00069	0.00236	4.561	0.000441
11:18:53.351	-8	0.00023	0.00073	0.00266	4.818	0.000466
11:18:54.351	-8	0.00022	0.0007	0.00249	4.665	0.000451
11:18:55.351	-8	0.00021	0.00064	0.00225	4.497	0.000435
11:18:56.351	-8	0.00021	0.00066	0.00225	4.295	0.000415
11:18:57.351	-8	0.0002	0.00063	0.00244	4.114	0.000398
11:18:58.351	-8	0.00018	0.00053	0.00241	3.449	0.000334
11:18:59.351	-8	0.00017	0.00059	0.00186	3.024	0.000293
11:19:00.351	-8	0.00017	0.00058	0.00217	2.69	0.000261
11:19:01.351	-8	0.00016	0.00059	0.00292	2.624	0.000254
11:19:02.351	-8	0.00016	0.00056	0.00286	2.765	0.000268
11:19:03.351	-8	0.00017	0.00061	0.00241	2.992	0.00029
11:19:04.351	-8	0.00017	0.00063	0.00198	3.163	0.000306
11:19:05.351	-8	0.00018	0.00065	0.00195	3.428	0.000332
11:19:06.351	-8	0.00019	0.00073	0.00205	3.78	0.000366

61.9	4.10E+00	4.000	1.200	3.192	0.958	44.400		29.4517	1639	60.86	65.1	360.489792	344.985854
63.1	4.10E+00	4.000	1.200	3.188	0.956	46.500		34.43732	1634	60.86	79.3	359.676686	354.467133
63.1	4.10E+00	4.000	1.200	3.172	0.952	43.000		30.48785	1625	60.697	69.4	361.638929	362.20455
62.6	4.10E+00	4.000	1.200	3.161	0.948	42.400		27.28814	1618	60.24	70.9	363.1	364.40999
62.6	4.00E+00	3.900	1.200	3.086	0.949	46.400		29.9215	1612	59.62	71	363.308733	365.1848
62	4.00E+00	3.900	1.200	3.085	0.949	43.400	194	28.84271	1602	59.62	68	363.421648	364.29799
62	4.00E+00	3.900	1.200	3.091	0.951	46.400	194	30.60269	1595	59.441	71.5	363.210557	363.9
61.5	4.00E+00	3.800	1.200	3.002	0.948	44.200	194	35.5587	1594	58.99	89.5	362.632308	370.144724
61.5	3.90E+00	3.800	1.200	2.976	0.940	45.200	194	42.22728	1588	58.99	94.3	364.122614	387.334443
61.1	4.00E+00	3.800	1.300	2.954	1.010	44.100	194	42.61979	1591	58.99	89.5	363.210983	397.325
61.1	4.00E+00	3.800	1.300	2.951	1.010	41.700		44.74971	1590	58.99	92.5	366.52079	406.750489
61.1	3.90E+00	3.800	1.300	2.933	1.003	42.200		52.06154	1598	58.99	94.5	365.790336	424.239058
61.1	3.90E+00	3.800	1.300	2.931	1.003	39.500		55.29898	1605	59.62	88.2	366.27697	438.544068
61.3	4.00E+00	3.800	1.300	2.955	1.011	41.400		50.51358	1606	59.62	82.3	366.105462	443.359798
61.3	4.00E+00	3.800	1.300	2.973	1.017	41.500		40.76971	1604	59.62	89.4	365.324793	435.820299
61.6	4.00E+00	3.800	1.300	2.964	1.014	40.500	196	44.00939	1605	59.62	96.4	363.38004	441.345161
61.6	3.90E+00	3.800	1.300	2.936	1.004	39.300	196.3	62.03597	1606	59.62	92.6	361.422345	454.995584
61.6	4.00E+00	3.900	1.300	3.010	1.003	39.400	196.7	56.81302	1613	59.62	86.3	371.661538	467.602285
61.6	4.00E+00	3.900	1.300	3.015	1.005	40.100	197.1	56.53363	1612	59.661	94.7	383.363732	472.196096
61.8	4.10E+00	3.900	1.300	3.038	1.013	37.400	197.5	59.31562	1616	60.24	80.4	383.974636	475.69663
61.8	4.10E+00	3.900	1.300	3.097	1.032	39.500	197.8	54.87658	1608	59.62	59	377.919588	458.265437
61.9	4.10E+00	3.900	1.200	3.141	0.966	38.500	198.2	44.61875	1598	59.62	66.1	367.505499	434.99451
61.9	4.10E+00	3.900	1.200	3.105	0.956	40.400	198.6	50.99481	1595	58.99	89.9	364.293061	432.409091
61.5	4.00E+00	3.900	1.200	3.043	0.936	39.300	199	62.41231	1614	60.24	83.1	379.682292	451.149451
61.5	4.00E+00	3.900	1.200	3.055	0.940	37.700	199.3	48.08987	1624	60.24	85	389.738816	455.6
62.3	4.10E+00	4.000	1.200	3.135	0.940	39.100	199.4	44.93806	1635	60.533	89.1	399.629231	456.121333
62.3	4.10E+00	4.000	1.200	3.132	0.940	37.300	199.4	40.47	1647	60.86	87.9	389.441233	456.226894
63.1	4.10E+00	4.000	1.200	3.131	0.939	40.900	199.4	42.06333	1658	61.494	85.4	371.433036	454.7
63.1	4.10E+00	4.000	1.200	3.128	0.938	37.800	199.4	37.65639	1676	62.569	84.8	358.405455	451.976522
63.2	4.20E+00	4.000	1.300	3.135	1.018	40.700	199.3	32.63422	1686	62.72	84.6	346.112264	447.637976
64.2	4.20E+00	4.000	1.300	3.142	1.021	41.000	198.9	31.51377	1700	63.052	81.7	347.158462	439.209091
65.1	4.20E+00	4.000	1.300	3.150	1.024	43.200	198.5	28.7284	1706	63.34	76.5	347.033685	430.802298
65.1	4.20E+00	4.000	1.300	3.161	1.027	44.700	198.2	33.32921	1716	63.701	76.1	345.142857	423.049949
65.8	4.20E+00	4.000	1.300	3.170	1.030	44.400	197.8	37.77351	1727	63.96	79.3	349.855102	419.635065
65.8	4.20E+00	4.000	1.300	3.163	1.028	44.500	197.6	30.42214	1736	64.58	78.8	349.158004	418.000787
66.5	4.20E+00	4.000	1.300	3.163	1.028	42.500	197.6	30.72963	1747	64.58	75.4	352.43657	413.813099
66.5	4.20E+00	4.000	1.300	3.172	1.031	44.500	197.6	31.13261	1753	65.2	71.2	357.23622	409.176543
67.2	4.10E+00	3.900	1.300	3.099	1.033	43.100	197.6	32.22136	1758	65.2	69.2	368.143862	403.021632
67.2	4.20E+00	3.900	1.300	3.116	1.039	40.700	197.6	28.93294	1760	65.2	47.3	365.370056	389.73773
67.6	4.00E+00	3.700	1.300	2.988	1.049	45.500	197.2	27.75476	1758	65.2	48.9	354.745962	372.741676
67.6	3.80E+00	3.400	1.300	2.774	1.060	42.800	196.9	29.02342	1755	65.2	46.4	351.427083	360.180705
67.4	3.60E+00	3.200	1.200	2.614	0.981	43.000	196.5	29.41712	1750	65.2	52.3	347.613238	351.921494
67.4	3.60E+00	3.200	1.200	2.606	0.977	40.600	196.1	29.81688	1745	64.64	55.3	346.096111	348.65137
67.4	3.60E+00	3.200	1.300	2.594	1.054	43.900	195.8	29.19325	1737	64.58	53.7	345.76485	346.917961
67.1	3.60E+00	3.200	1.300	2.586	1.051	44.600	195.8	29.05601	1730	64.58	54.1	345.276977	345.428478
66.6	3.70E+00	3.300	1.300	2.659	1.048	44.100	195.8	30.97781	1723	63.96	63.4	344.8	346.203696
66.6	3.70E+00	3.300	1.300	2.652	1.045	47.000	195.8	33.31974	1708	63.34	70.1	345.586154	351.6

1.13203	1.28298	8.90667	13672.722
1.13225	1.28372	8.90878	13676.901
1.13245	1.28435	8.91178	13680.993
1.13264	1.28493	8.91453	13684.96
1.13283	1.28559	8.91694	13689.027
1.13301	1.28619	8.91899	13692.971
1.1332	1.28686	8.92116	13697.004
1.13341	1.28758	8.92388	13701.749
1.13366	1.28844	8.92705	13707.855
1.13392	1.28931	8.92919	13714.645
1.1342	1.29019	8.9311	13721.987
1.13452	1.29122	8.93429	13730.941
1.13487	1.29229	8.93892	13740.971
1.13518	1.29326	8.94116	13749.023
1.13546	1.29413	8.94429	13755.787
1.13575	1.29503	8.94797	13763.203
1.13611	1.29611	8.95203	13773.244
1.13647	1.29718	8.95547	13783.187
1.13684	1.29828	8.95903	13793.124
1.13726	1.29944	8.96356	13803.619
1.13762	1.30049	8.96517	13810.97
1.13789	1.30127	8.96807	13815.613
1.13825	1.30234	8.97465	13822.68
1.13863	1.30346	8.98171	13832.189
1.13896	1.30439	8.98506	13840.101
1.13925	1.30524	8.98901	13847.009
1.13952	1.30598	8.99238	13853.377
1.13978	1.30677	8.99557	13859.578
1.14002	1.30745	8.99839	13865.419
1.14024	1.30811	9.00088	13870.615
1.14045	1.30875	9.00347	13875.472
1.14065	1.30938	9.0059	13879.889
1.14087	1.31007	9.00826	13884.45
1.1411	1.3108	9.01092	13889.268
1.14132	1.3115	9.01341	13893.933
1.14153	1.31214	9.01566	13898.43
1.14174	1.3128	9.01791	13902.725
1.14194	1.31343	9.02035	13906.839
1.14212	1.31396	9.02276	13910.288
1.14229	1.31455	9.02462	13913.312
1.14246	1.31513	9.02679	13916.002
1.14262	1.31572	9.02971	13918.626
1.14278	1.31628	9.03257	13921.391
1.14295	1.31689	9.03498	13924.383
1.14312	1.31752	9.03696	13927.546
1.1433	1.31817	9.03891	13930.974
1.14349	1.3189	9.04096	13934.754

11:19:07.351	-8	0.0002	0.00071	0.00226	4.345	0.00042
11:19:08.351	-8	0.00021	0.00077	0.00251	4.884	0.000472
11:19:09.351	-8	0.00021	0.00071	0.00198	5.161	0.000499
11:19:10.351	-8	0.00021	0.0007	0.0024	5.131	0.000496
11:19:11.351	-8	0.00018	0.00059	0.00222	4.442	0.000429
11:19:12.351	-8	0.00016	0.00054	0.00179	3.533	0.000342
11:19:13.351	-8	0.00016	0.00063	0.00201	3.164	0.000306
11:19:14.351	-8	0.00017	0.00063	0.00281	3.348	0.000324
11:19:15.351	-8	0.00018	0.00069	0.00266	3.451	0.000334
11:19:16.351	-8	0.00017	0.00061	0.00257	3.298	0.000319
11:19:17.351	-8	0.00016	0.00056	0.00207	2.965	0.000287
11:19:18.351	-8	0.00017	0.0006	0.00203	3.207	0.00031
11:19:19.351	-8	0.00017	0.00065	0.00234	3.712	0.000359
11:19:20.351	-8	0.00018	0.00069	0.0029	3.993	0.000386
11:19:21.351	-8	0.00019	0.00066	0.00257	4.226	0.000409
11:19:22.351	-8	0.00021	0.00071	0.00277	4.79	0.000463
11:19:23.351	-8	0.00023	0.00072	0.00284	5.784	0.000559
11:19:24.351	-8	0.00024	0.00076	0.00286	6.758	0.000653
11:19:25.351	-8	0.00024	0.00074	0.00293	6.567	0.000634
11:19:26.351	-8	0.00026	0.00078	0.00348	6.948	0.000671
11:19:27.351	-8	0.00029	0.00091	0.00424	8.261	0.000798
11:19:28.351	-8	0.00032	0.00093	0.00321	9.529	0.000919
11:19:29.351	-8	0.00035	0.00106	0.00297	9.984	0.000963
11:19:30.351	-8	0.00029	0.00082	0.00232	7.843	0.000757
11:19:31.351	-8	0.00029	0.00083	0.00249	6.784	0.000655
11:19:32.351	-8	0.00031	0.00086	0.0037	7.756	0.000749
11:19:33.351	-8	0.00032	0.00091	0.00275	8.597	0.00083
11:19:34.351	-8	0.00032	0.00093	0.00266	8.561	0.000826
11:19:35.351	-8	0.00029	0.00075	0.0023	6.99	0.000675
11:19:36.351	-8	0.00027	0.00076	0.00265	6.148	0.000594
11:19:37.351	-8	0.00028	0.00077	0.00335	6.798	0.000657
11:19:38.351	-8	0.00033	0.00092	0.00338	8.555	0.000826
11:19:39.351	-8	0.00038	0.00105	0.0026	10.235	0.000987
11:19:40.351	-8	0.00041	0.00108	0.00229	10.668	0.001029
11:19:41.351	-8	0.00034	0.00091	0.00261	8.141	0.000786
11:19:42.351	-8	0.00028	0.00069	0.00255	6.105	0.00059
11:19:43.351	-8	0.0003	0.00081	0.00272	6.452	0.000624
11:19:44.351	-8	0.00034	0.0009	0.00318	8.365	0.000808
11:19:45.351	-8	0.00038	0.00101	0.00386	9.517	0.000919
11:19:46.351	-8	0.00034	0.00092	0.00286	8.372	0.000808
11:19:47.351	-8	0.00028	0.00076	0.00214	6.246	0.000603
11:19:48.351	-8	0.0003	0.00084	0.00263	6.405	0.000619
11:19:49.351	-8	0.00029	0.00074	0.00275	6.676	0.000645
11:19:50.351	-8	0.00025	0.00068	0.00198	5.796	0.00056
11:19:51.351	-8	0.00024	0.00064	0.0022	5.553	0.000536
11:19:52.351	-8	0.00023	0.00065	0.00239	5.319	0.000514
11:19:53.351	-8	0.00023	0.00064	0.00242	5.254	0.000508

65.8	3.70E+00	3.300	1.300	2.636	1.039	43.000
65.8	3.70E+00	3.300	1.300	2.620	1.032	44.500
65.2	3.60E+00	3.300	1.300	2.610	1.028	40.700
65.2	3.70E+00	3.400	1.300	2.683	1.026	41.100
64.8	3.70E+00	3.400	1.300	2.686	1.027	39.800
64.8	3.70E+00	3.400	1.300	2.702	1.033	42.500
64	3.80E+00	3.400	1.300	2.732	1.045	48.700
64	3.80E+00	3.400	1.300	2.730	1.044	46.300
63.4	3.80E+00	3.400	1.300	2.729	1.043	48.800
63.4	3.80E+00	3.400	1.300	2.731	1.044	44.800
62.5	3.80E+00	3.400	1.300	2.735	1.046	44.800
62.5	3.80E+00	3.400	1.300	2.734	1.045	44.600
61.8	3.80E+00	3.400	1.300	2.713	1.038	46.000
61.8	3.80E+00	3.500	1.300	2.781	1.033	47.600
61.2	3.80E+00	3.500	1.300	2.780	1.032	43.800
61.2	3.80E+00	3.500	1.300	2.771	1.029	43.200
60.6	3.80E+00	3.500	1.300	2.750	1.021	39.000
60.6	3.70E+00	3.500	1.300	2.724	1.012	39.000
60.9	3.70E+00	3.500	1.300	2.728	1.013	38.300
60.9	3.70E+00	3.500	1.300	2.733	1.015	37.600
60.9	3.70E+00	3.500	1.300	2.717	1.009	39.100
60.9	3.80E+00	3.500	1.400	2.703	1.081	36.000
61.7	3.90E+00	3.600	1.400	2.783	1.082	39.000
61.7	3.90E+00	3.600	1.400	2.803	1.090	36.100
62.6	4.00E+00	3.700	1.400	2.912	1.102	38.100
62.6	4.00E+00	3.700	1.400	2.891	1.094	36.800
62.6	4.00E+00	3.700	1.400	2.874	1.087	37.500
62.6	4.00E+00	3.700	1.400	2.873	1.087	38.100
63.2	4.10E+00	3.800	1.500	2.967	1.171	35.900
63.2	4.20E+00	3.900	1.400	3.064	1.102	39.000
63.4	4.10E+00	3.800	1.400	2.975	1.096	37.000
63.4	4.10E+00	3.800	1.500	2.948	1.164	38.400
63.4	4.20E+00	3.900	1.500	3.013	1.159	37.700
63.4	4.20E+00	3.900	1.500	3.022	1.162	36.300
64.2	4.20E+00	3.900	1.500	3.046	1.172	37.300
64.2	4.20E+00	3.900	1.500	3.069	1.180	35.100
64.7	4.30E+00	3.900	1.500	3.071	1.181	38.500
64.7	4.20E+00	3.900	1.500	3.037	1.168	37.000
64.6	4.30E+00	4.000	1.500	3.101	1.163	38.100
64.6	4.30E+00	4.000	1.500	3.112	1.167	38.000
65.2	4.30E+00	4.000	1.500	3.134	1.175	39.300
65.2	4.30E+00	4.000	1.500	3.147	1.180	40.600
65.1	4.30E+00	4.000	1.500	3.125	1.172	36.800
65.1	4.30E+00	4.000	1.500	3.127	1.173	38.900
65.1	4.20E+00	3.900	1.500	3.055	1.175	37.000
65.1	4.20E+00	3.900	1.500	3.059	1.176	39.100
64.7	4.20E+00	3.900	1.500	3.057	1.176	38.800

195.8	33.43329	1704	63.34	77.6	346.287918	356.985
195.8	37.32115	1696	62.888	82.4	348.62593	365.632866
195.8	36.07172	1691	62.72	80.3	348.385656	375.580795
195.8	35.55285	1688	62.72	79.7	351.289583	381.776573
195.8	24.57017	1675	62.194	62.6	352.74866	383.951161
195.8	24.92757	1667	62.1	62.5	351.222365	367.413443
195.6	27.32139	1655	61.48	63.3	351.83501	367.340755
195.2	29.64016	1641	60.921	55.9	350.282877	356.654468
194.8	28.94286	1636	60.835	58.3	349.966667	352.764898
194.5	29.0798	1622	60.24	54.6	349.647773	350.044614
194.1	25.06104	1613	60.1	58.4	348.613721	346.2
194	29.05308	1603	59.62	74.1	348.106394	346.940594
194	30.27418	1596	59.391	75.3	350.276735	350.447767
194	29.75375	1587	58.99	71.2	351.212058	352.402449
194	32.05429	1585	58.99	74.3	351.534638	354.819593
194	35.81531	1578	58.37	84.7	354.799493	362.697939
194.3	40.20139	1582	58.538	94	358.77572	376.3524
194.7	46.18123	1583	58.99	81.3	366.325	395.859002
195	35.13054	1584	58.99	81.6	374.660543	403.286006
195.4	43.86413	1587	58.99	92	375.08	407.325275
195.8	48.4951	1596	59.382	94.1	381.713689	424.060675
195.8	54.55636	1609	59.62	97.1	383.2775	440.367287
195.8	57.61832	1622	60.24	88.8	381.175723	452.2
195.8	41.98824	1629	60.849	72.2	378.095887	450.654091
195.8	42.09128	1634	60.86	87.3	360.146038	442.272826
195.9	48.04096	1635	60.86	93.7	361.062053	449.080792
196.3	52.04187	1641	60.86	91.8	355.202209	460.690119
196.6	53.42621	1652	61.48	85.9	355.047399	467.61774
197	41.32369	1654	61.48	79.6	350.35795	459.845361
197.4	40.51729	1651	61.48	87.7	352.169639	453.927132
197.6	43.72581	1653	61.48	89.7	347.481856	453
197.6	50.98615	1660	61.627	93.1	361.908226	464.24967
197.6	59.17688	1666	62.086	92.3	376.135459	474.73555
197.6	61.93711	1677	62.1	89.8	409.903875	481.2
197.6	54.62223	1681	62.72	87.2	408.264451	478.218848
197.6	34.39919	1684	62.72	87.6	401.464815	469.2376
197.6	41.39669	1681	62.72	89.4	396.899794	463.600543
197.6	50.94288	1683	63.116	93.3	400.003036	470.706946
197.6	56.72713	1690	62.72	90.6	401.627889	481.300322
197.6	54.76879	1697	63.34	82.8	398.929074	482.580366
198	35.5452	1699	63.34	84.9	401.152571	474.862891
198.4	41.24775	1699	62.849	88.3	383.177677	466.97385
198.7	46.06942	1699	63.34	91.1	366.424135	470.136739
199.1	34.9345	1696	63.25	83.4	370.124197	467.041078
199.3	35.84974	1690	62.72	84.3	360.655844	461.241853
198.9	35.09487	1683	62.72	82.8	355.597926	457.867427
198.5	34.3704	1677	62.1	83.1	355.954059	453.961127

1.14369	1.31961	9.04322	13939.099
1.1439	1.32038	9.04573	13943.983
1.14411	1.32109	9.04771	13949.144
1.14432	1.32179	9.05011	13954.275
1.1445	1.32238	9.05233	13958.717
1.14466	1.32292	9.05412	13962.25
1.14482	1.32355	9.05613	13965.414
1.14499	1.32418	9.05894	13968.762
1.14517	1.32487	9.0616	13972.213
1.14534	1.32548	9.06417	13975.511
1.1455	1.32604	9.06624	13978.476
1.14567	1.32664	9.06827	13981.683
1.14584	1.32729	9.07061	13985.395
1.14602	1.32798	9.07351	13989.388
1.14621	1.32864	9.07608	13993.614
1.14642	1.32935	9.07885	13998.404
1.14665	1.33007	9.08169	14004.188
1.14689	1.33083	9.08455	14010.946
1.14713	1.33157	9.08748	14017.513
1.14739	1.33235	9.09096	14024.461
1.14768	1.33326	9.0952	14032.722
1.148	1.33419	9.09841	14042.251
1.14835	1.33525	9.10138	14052.235
1.14864	1.33607	9.1037	14060.078
1.14893	1.3369	9.10619	14066.862
1.14924	1.33776	9.10989	14074.618
1.14956	1.33867	9.11264	14083.215
1.14988	1.3396	9.1153	14091.776
1.15017	1.34035	9.1176	14098.766
1.15044	1.34111	9.12025	14104.914
1.15072	1.34188	9.1236	14111.712
1.15105	1.3428	9.12698	14120.267
1.15143	1.34385	9.12958	14130.502
1.15184	1.34493	9.13187	14141.17
1.15218	1.34584	9.13448	14149.311
1.15246	1.34653	9.13703	14155.416
1.15276	1.34734	9.13975	14161.868
1.1531	1.34824	9.14293	14170.233
1.15348	1.34925	9.14679	14179.75
1.15382	1.35017	9.14965	14188.122
1.1541	1.35093	9.15179	14194.368
1.1544	1.35177	9.15442	14200.773
1.15469	1.35251	9.15717	14207.449
1.15494	1.35319	9.15915	14213.245
1.15518	1.35383	9.16135	14218.798
1.15541	1.35448	9.16374	14224.117
1.15564	1.35512	9.16616	14229.371

11:19:54.351	-8	0.00024	0.00069	0.00242	5.66	0.000547
11:19:55.351	-8	0.00029	0.00082	0.00253	6.913	0.000668
11:19:56.351	-8	0.0003	0.0008	0.0024	7.593	0.000733
11:19:57.351	-8	0.00033	0.00091	0.00259	8.256	0.000797
11:19:58.351	-8	0.00033	0.00087	0.00262	8.343	0.000805
11:19:59.351	-8	0.00033	0.0009	0.00263	8.309	0.000802
11:20:00.351	-8	0.00034	0.0009	0.00284	8.247	0.000796
11:20:01.351	-8	0.00031	0.00083	0.00278	7.512	0.000725
11:20:02.351	-8	0.00028	0.00077	0.0023	6.395	0.000618
11:20:03.351	-8	0.00026	0.00067	0.0027	5.924	0.000572
11:20:04.351	-8	0.00025	0.00064	0.00239	5.778	0.000558
11:20:05.351	-8	0.00024	0.00065	0.00227	5.701	0.000551
11:20:06.351	-8	0.00024	0.00068	0.00215	5.837	0.000564
11:20:07.351	-8	0.00024	0.00068	0.00195	5.801	0.00056
11:20:08.351	-8	0.00024	0.00064	0.00196	5.724	0.000553
11:20:09.351	-8	0.00033	0.00098	0.00317	8.717	0.000841
11:20:10.351	-8	0.00045	0.00128	0.00534	12.318	0.001189
11:20:11.351	-8	0.00038	0.00104	0.00344	9.821	0.000948
11:20:12.351	-8	0.00027	0.00064	0.00269	6.3	0.000609
11:20:13.351	-8	0.00025	0.00065	0.00334	5.652	0.000546
11:20:14.351	-8	0.00025	0.00068	0.00303	5.935	0.000574
11:20:15.351	-8	0.00023	0.00063	0.0023	5.701	0.000551
11:20:16.351	-8	0.00021	0.00064	0.00214	5.376	0.000519
11:20:17.351	-8	0.00021	0.00061	0.00209	5.165	0.000499
11:20:18.351	-8	0.00021	0.00065	0.00219	5.006	0.000484
11:20:19.351	-8	0.00021	0.00064	0.00238	4.976	0.000481
11:20:20.351	-8	0.00022	0.0007	0.00253	5.463	0.000528
11:20:21.351	-8	0.00028	0.0009	0.00289	7.69	0.000742
11:20:22.351	-8	0.00035	0.00119	0.00327	10.525	0.001015
11:20:23.351	-8	0.00028	0.00092	0.00225	8.048	0.000777
11:20:24.351	-8	0.00023	0.00068	0.00168	5.477	0.000529
11:20:25.351	-8	0.00021	0.00062	0.00158	4.711	0.000455
11:20:26.351	-8	0.0002	0.00059	0.00179	4.801	0.000464
11:20:27.351	-8	0.00023	0.00072	0.00232	5.864	0.000566
11:20:28.351	-8	0.00027	0.00089	0.00409	7.667	0.00074
11:20:29.351	-8	0.00029	0.00091	0.004	8.684	0.000838
11:20:30.351	-8	0.00031	0.00093	0.00342	9.076	0.000876
11:20:31.351	-8	0.00024	0.00068	0.00221	6.975	0.000673
11:20:32.351	-8	0.00022	0.00068	0.00152	5.516	0.000533
11:20:33.351	-8	0.00024	0.00072	0.0034	5.885	0.000569
11:20:34.351	-8	0.00026	0.00081	0.00357	6.952	0.000672
11:20:35.351	-8	0.00027	0.00081	0.00308	7.554	0.000729
11:20:36.351	-8	0.00026	0.00077	0.00284	7.158	0.000691
11:20:37.351	-8	0.00033	0.00106	0.00368	9.625	0.000929
11:20:38.351	-8	0.00032	0.00096	0.00285	8.916	0.000861
11:20:39.351	-8	0.00024	0.00075	0.00241	6.269	0.000605
11:20:40.351	-8	0.00021	0.00063	0.00264	5.199	0.000502

64.7	4.20E+00	3.900	1.500	3.053	1.174	39.500
64.4	4.20E+00	3.900	1.500	3.042	1.170	40.100
64.4	4.20E+00	3.900	1.500	3.032	1.166	36.600
64.4	4.20E+00	3.900	1.500	3.030	1.165	38.600
64.4	4.20E+00	3.900	1.500	3.030	1.165	36.400
65	4.20E+00	3.900	1.500	3.032	1.166	37.600
65	4.20E+00	3.900	1.500	3.036	1.168	37.200
65.4	4.10E+00	3.900	1.400	3.044	1.093	36.700
65.4	4.20E+00	3.900	1.400	3.057	1.097	38.400
65.6	4.20E+00	3.900	1.400	3.057	1.098	36.000
65.6	4.20E+00	3.900	1.400	3.055	1.097	36.000
65.5	4.10E+00	3.900	1.400	3.053	1.096	37.200
65.5	4.10E+00	3.900	1.400	3.050	1.095	38.500
65.4	4.10E+00	3.900	1.400	3.050	1.095	38.600
65.4	4.10E+00	3.800	1.400	2.975	1.095	36.900
65.2	4.00E+00	3.800	1.300	2.952	1.012	39.200
65.2	3.90E+00	3.800	1.300	2.942	1.007	37.400
65.5	4.00E+00	3.800	1.300	2.957	1.012	36.500
65.5	4.00E+00	3.800	1.300	2.986	1.022	31.600
66.4	4.00E+00	3.800	1.300	2.992	1.024	35.300
66.4	4.00E+00	3.800	1.300	2.981	1.020	36.300
66.4	3.90E+00	3.700	1.300	2.896	1.018	36.100
66.4	3.90E+00	3.700	1.300	2.896	1.018	38.600
66.1	3.90E+00	3.700	1.300	2.901	1.019	37.700
66.1	3.90E+00	3.700	1.300	2.905	1.021	41.000
66.5	3.90E+00	3.700	1.300	2.909	1.022	40.000
66.4	3.80E+00	3.600	1.300	2.828	1.021	40.600
64.3	3.80E+00	3.600	1.300	2.801	1.012	40.100
64.3	3.70E+00	3.500	1.300	2.707	1.005	41.200
64.3	3.70E+00	3.500	1.300	2.716	1.009	40.400
64.3	3.90E+00	3.600	1.300	2.837	1.025	37.400
63.8	3.90E+00	3.600	1.300	2.846	1.028	38.800
63.8	3.90E+00	3.600	1.300	2.837	1.024	37.400
62.7	3.80E+00	3.600	1.300	2.819	1.018	39.500
62.7	3.70E+00	3.600	1.200	2.799	0.933	40.100
62	3.70E+00	3.600	1.200	2.784	0.928	37.900
62	3.70E+00	3.600	1.200	2.782	0.928	37.500
62	3.70E+00	3.600	1.200	2.791	0.931	34.800
62	3.80E+00	3.600	1.200	2.829	0.943	38.400
62	3.80E+00	3.600	1.200	2.833	0.944	37.800
62	3.80E+00	3.600	1.200	2.813	0.938	38.400
62.1	3.70E+00	3.600	1.200	2.797	0.932	37.600
62.1	3.70E+00	3.600	1.200	2.802	0.934	37.000
62.4	3.70E+00	3.600	1.200	2.792	0.931	39.300
62.4	3.70E+00	3.600	1.200	2.798	0.933	37.500
63.2	3.80E+00	3.600	1.200	2.814	0.938	39.400
63.2	3.80E+00	3.600	1.200	2.831	0.944	37.700

198.2	36.64464	1674	62.404	87.1	345.634375	451.376249
197.8	44.62192	1675	62.1	90.5	357.143766	456.200652
197.6	46.21866	1681	62.1	87.9	364.349801	460.957143
197.6	49.25924	1687	62.72	89	374.918827	466.634125
197.6	49.96795	1692	62.72	88	382.481586	471.591165
197.6	49.723	1697	62.987	87.2	405.514583	472.601632
197.6	49.70169	1703	63.34	87.4	399.011561	473.2
198	44.04844	1705	63.34	86	389.832054	470.456608
198.4	39.49243	1708	63.34	88.3	390.048369	465.434596
198.7	37.65326	1708	63.34	88.5	369.435526	462.918466
199.1	36.03834	1704	63.34	87.3	370.250926	460.573077
199.3	36.55742	1701	63.34	86.1	372.114739	459.309449
198.9	37.23114	1697	63.34	87.5	373.218975	457.787984
198.5	37.61	1698	63.34	85.7	369.244444	456.679296
198.1	36.636	1696	62.814	88.3	375.649296	454.719565
197.8	46.85796	1698	62.746	94.9	383.31027	457.731868
197.8	77.41477	1711	63.501	87.2	408.169231	478.660976
198.3	61.04774	1725	63.96	79.7	415.082534	489.030256
198.7	36.93634	1727	63.96	87.3	403.845092	481.795286
199.1	37.60985	1727	63.96	89.9	390.509981	475.395874
199.4	38.1097	1724	63.96	87.9	392.052632	472.938198
199.4	36.61837	1723	63.96	85.5	393.489394	470.659248
199.4	33.85916	1721	63.96	82.2	389.995652	465.010897
199.4	34.09435	1711	63.631	81.1	373.190909	458.041573
199.4	33.55748	1704	63.34	79.9	379.330408	452.110781
199.2	32.28468	1693	62.72	79.4	378.126083	446.375219
198.9	35.22958	1684	62.301	84.7	375.895976	442.960524
198.5	46.6917	1672	62.1	94.2	382.206042	450.220041
198.1	61.23208	1672	62.1	94	388.038595	470.03831
197.8	53.85432	1665	62.1	87.1	389.700415	481.84427
	34.54582	1656	61.48	85.1	385.6455	466.271303
	29.89198	1639	61.017	83	383.164826	459.417568
	31.45581	1627	60.405	80.6	382.014796	454.154291
	39.91718	1615	60.24	84.4	383.955196	452.058104
	48.14164	1615	60.24	85.6	382.763395	467.002918
199.4	49.55373	1616	60.24	84.9	382.828656	474.444227
199.4	53.99515	1619	60.24	90.9	393.404731	482.823466
199.4	46.16731	1619	60.848	87.3	406.815303	486.884494
199.4	32.16537	1614	60.24	87.7	422.306737	470.827965
199.4	38.76483	1611	59.779	93.9	412.008475	464.786703
199.4	45.89393	1617	60.24	89.5	405.976538	470.365907
199.4	49.20666	1624	60.24	97.1	410.414745	479.884044
199.4	40.14039	1625	60.24	82.4	408.386466	478.29
199.4	56.4539	1636	60.86	94.4	393.551111	485.283804
	55.97854	1649	61.48	79.7	396.936923	492.326074
	36.21742	1658	61.48	83.7	398.921321	487.585476
	30.78645	1653	61.48	81	399.285221	475.387352

1.15588	1.35581	9.16858	14235.031
1.15617	1.35663	9.17111	14241.944
1.15647	1.35743	9.17351	14249.537
1.1568	1.35834	9.1761	14257.793
1.15713	1.35921	9.17872	14266.136
1.15746	1.36011	9.18135	14274.445
1.1578	1.36101	9.18419	14282.692
1.15811	1.36184	9.18697	14290.204
1.15839	1.36261	9.18927	14296.599
1.15865	1.36328	9.19197	14302.523
1.1589	1.36392	9.19436	14308.301
1.15914	1.36457	9.19663	14314.002
1.15938	1.36525	9.19878	14319.839
1.15962	1.36593	9.20073	14325.64
1.15986	1.36657	9.20269	14331.364
1.16019	1.36755	9.20586	14340.081
1.16064	1.36883	9.2112	14352.399
1.16102	1.36987	9.21464	14362.22
1.16129	1.37051	9.21733	14368.52
1.16154	1.37116	9.22067	14374.172
1.16179	1.37184	9.2237	14380.107
1.16202	1.37247	9.226	14385.808
1.16223	1.37311	9.22814	14391.184
1.16244	1.37372	9.23023	14396.349
1.16265	1.37437	9.23242	14401.355
1.16286	1.37501	9.2348	14406.331
1.16308	1.37571	9.23733	14411.794
1.16336	1.37661	9.24022	14419.484
1.16371	1.3778	9.24349	14430.009
1.16399	1.37872	9.24574	14438.057
1.16422	1.3794	9.24742	14443.534
1.16443	1.38002	9.249	14448.245
1.16463	1.38061	9.25079	14453.046
1.16486	1.38133	9.25311	14458.91
1.16513	1.38222	9.2572	14466.577
1.16542	1.38313	9.2612	14475.261
1.16573	1.38406	9.26462	14484.337
1.16597	1.38474	9.26683	14491.312
1.16619	1.38542	9.26835	14496.828
1.16643	1.38614	9.27175	14502.713
1.16669	1.38695	9.27532	14509.665
1.16696	1.38776	9.2784	14517.219
1.16722	1.38853	9.28124	14524.377
1.16755	1.38959	9.28492	14534.002
1.16787	1.39055	9.28777	14542.918
1.16811	1.3913	9.29018	14549.187
1.16832	1.39193	9.29282	14554.386

11:20:41.351	-8	0.00019	0.00062	0.00244	4.693	0.000454
11:20:42.351	-8	0.00018	0.00057	0.00181	4.346	0.00042
11:20:43.351	-8	0.00016	0.0005	0.00111	3.791	0.000366
11:20:44.351	-8	0.00015	0.00052	0.00091	2.997	0.00029
11:20:45.351	-8	0.00015	0.00053	0.00114	2.426	0.000235
11:20:46.351	-8	0.00015	0.00054	0.00133	1.991	0.000193
11:20:47.351	-8	0.00014	0.0005	0.00165	1.833	0.000178
11:20:48.351	-8	0.00014	0.00051	0.00201	1.774	0.000172
11:20:49.351	-8	0.00015	0.00054	0.00245	2	0.000194
11:20:50.351	-8	0.00016	0.00061	0.00303	2.593	0.000252
11:20:51.351	-8	0.00021	0.00081	0.00486	4.39	0.000425
11:20:52.351	-8	0.00026	0.00095	0.00554	6.904	0.000668
11:20:53.351	-8	0.00025	0.00091	0.00359	6.953	0.000672
11:20:54.351	-8	0.00022	0.00071	0.00182	5.371	0.000519
11:20:55.351	-8	0.00019	0.0006	0.0014	4.047	0.000391
11:20:56.351	-8	0.00017	0.00054	0.00192	3.414	0.00033
11:20:57.351	-8	0.00014	0.00047	0.00168	2.813	0.000272
11:20:58.351	-8	0.00015	0.00054	0.00185	2.533	0.000245
11:20:59.351	-8	0.00016	0.00061	0.00161	2.323	0.000225
11:21:00.351	-8	0.00016	0.0006	0.00169	1.998	0.000194
11:21:01.351	-8	0.00015	0.00048	0.00201	1.859	0.00018
11:21:02.351	-8	0.00014	0.00044	0.00181	1.579	0.000153
11:21:03.351	-8	0.00012	0.00036	0.00172	1.128	0.00011
11:21:04.351	-8	0.00009	0.00027	0.00099	0.698	0.000068
11:21:05.351	-8	0.00008	0.00025	0.00095	0.543	0.000053
11:21:06.351	-8	0.00007	0.00022	0.00096	0.436	0.000042
11:21:07.351	-8	0.00007	0.00021	0.00094	0.317	0.000031
11:21:08.351	-8	0.00007	0.0002	0.00096	0.239	0.000023
11:21:09.351	-8	0.00007	0.0002	0.00063	0.201	0.00002
11:21:10.351	-8	0.00007	0.0002	0.00068	0.177	0.000017
11:21:11.351	-8	0.00007	0.00019	0.00076	0.158	0.000015
11:21:12.351	-8	0.00006	0.0002	0.00082	0.135	0.000013
11:21:13.351	-8	0.00006	0.00019	0.00083	0.112	0.000011
11:21:14.351	-8	0.00007	0.0002	0.00079	0.103	0.00001
11:21:15.351	-8	0.00006	0.00019	0.00075	0.088	0.000009
11:21:16.351	-8	0.00006	0.00019	0.00075	0.084	0.000008
11:21:17.351	-8	0.00006	0.00019	0.00074	0.082	0.000008
11:21:18.351	-8	0.0001	0.00029	0.00114	0.127	0.000013
11:21:19.351	-8	0.00014	0.00043	0.00196	0.177	0.000018
11:21:20.351	-8	0.00019	0.00057	0.00422	1.278	0.000125
11:21:21.351	-8	0.00026	0.00087	0.00944	4.852	0.000471
11:21:22.351	-8	0.00038	0.00117	0.00993	9.529	0.000922
11:21:23.351	-8	0.00037	0.0011	0.00522	9.285	0.000897
11:21:24.351	-8	0.00036	0.00101	0.00217	8.062	0.000779
11:21:25.351	-8	0.00031	0.00083	0.00157	5.892	0.00057
11:21:26.351	-8	0.00033	0.00092	0.00368	6.973	0.000674
11:21:27.351	-8	0.00027	0.00071	0.00298	5.836	0.000564

63.6	3.70E+00	3.500	1.200	2.762	0.947	39.800
63.6	3.70E+00	3.500	1.200	2.762	0.947	39.600
63.6	3.70E+00	3.500	1.200	2.761	0.947	39.900
63.3	3.80E+00	3.500	1.200	2.800	0.960	43.900
62.5	3.80E+00	3.500	1.200	2.846	0.976	43.400
62.5	3.80E+00	3.400	1.200	2.792	0.985	45.300
61.6	3.60E+00	3.300	1.100	2.718	0.907	42.800
61.6	3.60E+00	3.300	1.100	2.721	0.907	43.500
61.6	3.60E+00	3.300	1.100	2.712	0.904	44.100
60.5	3.60E+00	3.300	1.100	2.692	0.897	44.400
59.7	3.60E+00	3.300	1.200	2.641	0.960	46.200
59.7	3.50E+00	3.300	1.200	2.594	0.943	42.600
59.7	3.70E+00	3.400	1.300	2.652	1.015	43.500
59.7	3.80E+00	3.400	1.400	2.671	1.098	41.300
60.2	3.90E+00	3.500	1.400	2.778	1.112	40.700
60.2	3.90E+00	3.500	1.400	2.786	1.115	42.200
59.8	3.90E+00	3.500	1.400	2.799	1.120	42.600
59.8	4.10E+00	3.700	1.400	2.980	1.128	48.900
59	4.20E+00	3.800	1.400	3.088	1.138	52.000
59	4.20E+00	3.800	1.300	3.109	1.064	53.200
58.1	4.20E+00	3.800	1.300	3.112	1.064	45.200
58.1	4.20E+00	3.800	1.300	3.130	1.072	43.400
56.8	4.20E+00	3.800	1.300	3.154	1.079	41.100
56.7	4.30E+00	3.800	1.300	3.174	1.086	41.500
55.2	4.20E+00	3.700	1.300	3.102	1.090	42.400
55.1	4.10E+00	3.600	1.300	3.028	1.094	40.500
52.6	4.10E+00	3.600	1.300	3.044	1.099	42.300
52.5	4.10E+00	3.600	1.200	3.057	1.019	40.000
50.3	4.00E+00	3.500	1.200	2.980	1.021	40.400
50.2	4.00E+00	3.500	1.200	2.983	1.023	40.700
48.6	4.00E+00	3.500	1.200	2.986	1.024	38.900
48.4	4.00E+00	3.500	1.200	2.989	1.025	41.500
44.7	4.00E+00	3.500	1.200	2.992	1.026	39.500
44.5	4.00E+00	3.500	1.200	2.995	1.027	41.200
40.2	4.00E+00	3.500	1.200	2.997	1.027	40.600
40	4.00E+00	3.500	1.200	2.997	1.028	41.800
33.6	4.10E+00	3.500	1.300	2.998	1.113	42.600
33.5	4.10E+00	3.500	1.300	2.998	1.114	41.500
30.2	4.10E+00	3.500	1.300	2.999	1.114	42.500
30.2	4.00E+00	3.500	1.300	2.937	1.091	40.000
29.2	3.70E+00	3.300	1.300	2.659	1.047	41.000
29.2	3.80E+00	3.400	1.500	2.662	1.174	39.000
30.2	4.00E+00	3.400	1.700	2.654	1.326	39.000
30.3	4.00E+00	3.400	1.700	2.682	1.341	37.000
32.2	4.10E+00	3.400	1.700	2.717	1.359	35.700
32.2	4.00E+00	3.400	1.700	2.693	1.346	37.600
32.8	4.00E+00	3.400	1.700	2.686	1.343	35.400

	31.44576	1649	61.48	74.2	396.374948	464.963636
	30.53883	1645	60.86	68.9	394.493834	456.692
199.3	25.73554	1636	60.86	50.6	394.64566	441.045455
198.9	24.66503	1626	60.24	37.5	391.464162	417.881709
198.6	26.08021	1613	60.056	38.2	386.941183	395.839631
198.2	26.01621	1599	59.314	39.8	384.481437	378.449187
197.8	25.03644	1587	58.99	38.6	383.648387	363.5267
197.5	24.32465	1572	58.37	46.4	383.216667	353.839078
197.1	25.47857	1561	57.898	51.1	379.915789	347.242553
196.7	28.93977	1556	57.75	72.3	377.975934	352.187907
196.3	38.03275	1553	57.75	88.8	377.555912	368.212059
195.9	46.92874	1559	58.232	89.8	387.005921	394.432314
196.1	46.31478	1566	58.37	75.4	395.978469	412.661017
196.5	31.03987	1568	58.37	70.7	397.3275	413.13986
196.8	28.94873	1561	57.75	71.5	395.074739	407.50485
197.2	26.99361	1555	57.75	53.3	394.903019	400.615635
197.6	23.15048	1537	57.34	49.4	389.28632	388.793179
197.2	24.08082	1532	56.684	37	384.506923	375.1104
196.9	24.7862	1517	56.51	33.5	378.400771	361.0336
196.5	25.23812	1500	55.89	29.9	372.976152	350.294694
196.2	22.56261	1492	55.42	27.9	370.419691	339.423992
195.8	20.80404	1475	54.824	19.8	363.402027	325.657328
195.4	18.79185	1450	54.03	9.3	358.097697	313.56746
195.1	12.03035	1427	52.984	1.4	351.558462	303.990119
194.7	11.67583	1401	51.703	0	348.485	297.053038
194.3	11.24399	1349	50.365	0	355.67457	291.267398
194	10.94341	1322	49.115	0	353.75578	285.952056
194	10.95302	1283	47.312	0	351.657582	281.534965
194	11.12405	1244	46.007	0	350.209213	276.992492
194	11.00628	1225	45.95	0	354.638462	272.26039
194	10.82614	1206	44.515	0	367.642884	268.260638
194	10.61275	1167	43.607	0.2	363.92406	264.393046
194	10.0775	1090	40.56	0.6	360.154428	260.845233
194	10.77212	1221	37.867	0.5	378.706748	258.07182
194	10.22538	1122	34.579	2.6	374.871014	253.981429
194	10.11395	1228	31.327	3.2	360.427968	251.019826
193.8	9.90885	1179	29.81	0.6	328.602051	248.723043
193.4	9.55688	1150	29.19	8	314.406733	247.081758
193	20.13864	1130	28.57	50.5	314.894479	249.643265
192.6	29.27034	1133	28.57	84.5	330.121827	268.85974
192.2	42.82423	1152	29.017	98.8	342.016346	306.560804
	69.6351	1453	29.638	91.9	360.277011	351.107692
	56.51756	1477	30.877	83.7	379.703896	384.650442
	62.41617	1506	31.67	46.1	387.887117	390.895107
	47.27979	1518	31.67	86.2	383.729712	388.474653
	51.15401	1538	32.09	84	386.014712	395.671032
194.4	44.83475	1551	32.713	78.1	389.208637	398.4251

1.16851	1.39255	9.29526	14559.079
1.16869	1.39312	9.29707	14563.425
1.16885	1.39362	9.29818	14567.216
1.169	1.39414	9.29909	14570.213
1.16915	1.39467	9.30023	14572.639
1.1693	1.39521	9.30156	14574.63
1.16944	1.39571	9.30321	14576.463
1.16958	1.39622	9.30522	14578.237
1.16973	1.39676	9.30767	14580.237
1.16989	1.39737	9.3107	14582.83
1.1701	1.39818	9.31556	14587.22
1.17036	1.39913	9.3211	14594.124
1.17061	1.40004	9.32469	14601.077
1.17083	1.40075	9.32651	14606.448
1.17102	1.40135	9.32791	14610.495
1.17119	1.40189	9.32983	14613.909
1.17133	1.40236	9.33151	14616.722
1.17148	1.4029	9.33336	14619.255
1.17164	1.40351	9.33497	14621.578
1.1718	1.40411	9.33666	14623.576
1.17195	1.40459	9.33867	14625.435
1.17209	1.40503	9.34048	14627.014
1.17221	1.40539	9.3422	14628.142
1.1723	1.40566	9.34319	14628.84
1.17238	1.40591	9.34414	14629.383
1.17245	1.40613	9.3451	14629.819
1.17252	1.40634	9.34604	14630.136
1.17259	1.40654	9.347	14630.375
1.17266	1.40674	9.34763	14630.576
1.17273	1.40694	9.34831	14630.753
1.1728	1.40713	9.34907	14630.911
1.17286	1.40733	9.34989	14631.046
1.17292	1.40752	9.35072	14631.158
1.17299	1.40772	9.35151	14631.261
1.17305	1.40791	9.35226	14631.349
1.17311	1.4081	9.35301	14631.433
1.17317	1.40829	9.35375	14631.515
1.17327	1.40858	9.35489	14631.642
1.17341	1.40901	9.35685	14631.819
1.1736	1.40958	9.36107	14633.097
1.17386	1.41045	9.37051	14637.949
1.17424	1.41162	9.38044	14647.478
1.17461	1.41272	9.38566	14656.763
1.17497	1.41373	9.38783	14664.825
1.17528	1.41456	9.3894	14670.717
1.17561	1.41548	9.39308	14677.69
1.17588	1.41619	9.39606	14683.526

11:21:28.351	-8	0.00025	0.00074	0.00284	5.461	0.000528
11:21:29.351	-8	0.00026	0.00075	0.00315	5.672	0.000548
11:21:30.351	-8	0.00027	0.00073	0.00334	6.222	0.000601
11:21:31.351	-8	0.00026	0.00075	0.00318	6.116	0.000591
11:21:32.351	-8	0.00022	0.00058	0.00231	5.041	0.000487
11:21:33.351	-8	0.0002	0.00058	0.00116	4.183	0.000404
11:21:34.351	-8	0.00021	0.0006	0.00177	4.029	0.00039
11:21:35.351	-8	0.0003	0.00096	0.00395	6.262	0.000606
11:21:36.351	-8.2	0.00047	0.00143	0.01644	12.004	0.001161
11:21:37.351	-9	0.00067	0.00203	0.03339	18.258	0.001766
11:21:38.351	-9	0.00114	0.00209	0.01586	20.546	0.001984
11:21:39.351	-9	0.00223	0.00211	0.00896	21.279	0.002055
11:21:40.351	-9	0.00277	0.00219	0.00862	17.987	0.001738
11:21:41.351	-9	0.00242	0.00167	0.00618	12.902	0.001248
11:21:42.351	-9	0.00167	0.00129	0.00565	8.143	0.000788
11:21:43.351	-9	0.00165	0.00153	0.00905	11.353	0.001098
11:21:44.351	-9	0.0016	0.00165	0.00878	13.643	0.001319
11:21:45.351	-9	0.00157	0.00172	0.00631	15.037	0.001452
11:21:46.351	-9	0.00162	0.00174	0.00577	16.033	0.001549
11:21:47.351	-9	0.00162	0.00196	0.00629	16.078	0.001553
11:21:48.351	-9	0.00133	0.00155	0.00628	12.771	0.001234
11:21:49.351	-9	0.00083	0.00103	0.00483	7.586	0.000734
11:21:50.351	-9	0.00076	0.00097	0.00522	8.327	0.000805
11:21:51.351	-9	0.0008	0.0011	0.00584	10.174	0.000982
11:21:52.351	-9	0.00077	0.00121	0.00485	10.72	0.001035
11:21:53.351	-9	0.00068	0.00105	0.0045	9.772	0.000943
11:21:54.351	-9	0.00055	0.00102	0.00455	8.233	0.000795
11:21:55.351	-9	0.00045	0.00085	0.00453	7.479	0.000723
11:21:56.351	-9	0.00046	0.001	0.00448	8.311	0.000803
11:21:57.351	-9	0.00049	0.00107	0.00454	9.596	0.000926
11:21:58.351	-9	0.00056	0.00124	0.00436	11.426	0.001103
11:21:59.351	-9	0.00059	0.0013	0.00436	12.045	0.001162
11:22:00.351	-9	0.00059	0.00128	0.00464	11.711	0.001131
11:22:01.351	-9	0.00057	0.00131	0.00495	11.524	0.001113
11:22:02.351	-9	0.00057	0.00122	0.00496	11.589	0.001119
11:22:03.351	-9	0.00056	0.00133	0.00494	11.56	0.001116
11:22:04.351	-9	0.00065	0.00144	0.0057	13.416	0.001295
11:22:05.351	-9	0.00067	0.0015	0.00547	13.682	0.001321
11:22:06.351	-9	0.00053	0.00123	0.00456	9.962	0.000962
11:22:07.351	-9	0.00047	0.00107	0.0046	8.828	0.000853
11:22:08.351	-9	0.00044	0.00106	0.00431	8.343	0.000806
11:22:09.351	-9	0.00056	0.00126	0.00553	11.395	0.0011
11:22:10.351	-9	0.00049	0.00117	0.00323	9.726	0.000939
11:22:11.351	-9	0.00027	0.0006	0.00113	4.57	0.000442
11:22:12.351	-9	0.00024	0.00057	0.00101	3.352	0.000324
11:22:13.351	-9	0.00024	0.00069	0.00202	3.098	0.0003
11:22:14.351	-9	0.00028	0.00078	0.0044	4.578	0.000443

32.8	4.00E+00	3.400	1.700	2.690	1.345	39.000
33.4	4.00E+00	3.400	1.700	2.688	1.344	38.100
33.4	4.00E+00	3.400	1.700	2.670	1.335	36.700
33.4	4.00E+00	3.400	1.700	2.669	1.335	38.000
33.4	4.10E+00	3.500	1.700	2.747	1.335	35.600
33.7	4.10E+00	3.500	1.700	2.767	1.344	40.000
33.7	4.10E+00	3.500	1.700	2.784	1.352	40.000
33	4.00E+00	3.500	1.600	2.775	1.271	42.600
33	4.00E+00	3.500	1.600	2.727	1.247	39.800
33	3.90E+00	3.500	1.600	2.703	1.235	39.700
33.2	6.00E+00	5.900	1.900	4.540	1.465	36.600
37.7	1.05E+01	9.900	3.600	7.710	2.804	33.100
38	1.40E+01	12.300	5.500	9.670	4.325	36.700
43.8	1.51E+01	12.800	6.200	10.167	4.926	34.600
44	1.45E+01	11.600	6.500	9.305	5.215	37.100
47.2	1.21E+01	8.800	6.500	6.972	5.150	37.200
47.3	1.09E+01	7.500	6.400	5.885	5.019	37.400
49.5	1.01E+01	6.600	6.300	5.156	4.922	36.800
49.7	9.80E+00	6.300	6.200	4.924	4.845	34.700
53.2	9.50E+00	6.000	6.100	4.700	4.778	38.000
53.4	9.40E+00	5.900	6.000	4.644	4.723	36.000
57.2	9.30E+00	5.800	5.900	4.589	4.669	38.000
57.3	8.90E+00	5.600	5.800	4.375	4.530	37.800
59.5	8.40E+00	5.400	5.400	4.183	4.186	37.800
59.6	7.70E+00	5.200	4.700	4.024	3.642	40.000
61.7	7.10E+00	5.000	4.200	3.884	3.265	36.800
61.8	6.60E+00	4.800	3.600	3.745	2.809	40.800
63.4	5.90E+00	4.400	3.200	3.436	2.500	37.000
63.5	5.60E+00	4.100	3.100	3.188	2.410	40.700
64.6	5.40E+00	4.100	2.900	3.175	2.248	39.300
64.6	5.30E+00	4.100	2.800	3.169	2.166	38.700
65.7	5.30E+00	4.100	2.700	3.173	2.090	38.300
65.8	5.20E+00	4.000	2.700	3.106	2.096	37.600
67.2	5.10E+00	4.000	2.600	3.107	2.021	38.700
67.2	5.00E+00	4.000	2.500	3.106	1.942	36.000
68.5	5.00E+00	4.000	2.500	3.106	1.941	39.500
68.4	5.00E+00	4.000	2.500	3.104	1.940	37.100
65.8	5.10E+00	4.000	2.500	3.109	1.943	37.200
66	5.10E+00	4.000	2.500	3.132	1.958	39.100
71	5.10E+00	4.000	2.500	3.129	1.956	38.700
71	5.10E+00	4.000	2.500	3.128	1.955	40.700
71	5.10E+00	4.000	2.500	3.110	1.943	37.800
71	5.10E+00	4.000	2.500	3.118	1.949	39.900
71.3	5.10E+00	4.000	2.400	3.161	1.896	38.000
71.3	5.10E+00	4.000	2.400	3.206	1.924	41.000
70.5	5.00E+00	3.900	2.300	3.154	1.860	47.100
70.5	4.80E+00	3.900	2.100	3.105	1.672	44.900

194.7	35.5099	1551	32.29	86.6	386.642433	394.41
195.1	40.57325	1554	32.29	71.8	384.471354	395.171264
195.5	44.62692	1565	32.873	91.2	383.041827	404.191333
195.8	39.85638	1571	32.91	71.4	382.367308	407.499
195.8	38.424	1575	32.91	68.6	376.743545	407.571222
195.8	30.68587	1557	32.567	58.9	372.946951	397.871034
195.8	27.69919	1531	32.29	69.7	373.713721	391.723177
195.8	45.05403	1518	31.688	77.9	371.545616	381.659715
196	80.64171	1563	32.582	97.7	379.883049	410.764839
196.4	104.9577	1673	34.581	96.9	397.920539	458.551603
196.8	114.34674	1796	37.296	98.9	410.200625	492.303462
197.2	126.76632	1937	40.31	94.4	433.62115	516.987704
197.6	139.38147	2061	42.873	74	441.90499	522.697647
197.6	94.46867	2153	45.013	68.9	428.860455	502.973579
197.6	71.14	1936	45.95	48.8	418.146973	478.531928
197.6	89.74153	1875	46.909	67.2	402.784792	463.35051
197.6	92.46535	1911	48.477	83.9	414.142127	480.31968
197.6	95.22825	1978	50.338	85.9	421.403125	492.510889
	103.29933	2055	52.197	86.2	425.30375	499.286414
	107.67034	2128	54.021	82.8	427.640224	503.3
	98.49906	2122	55.806	76.3	418.999795	500.105317
	58.83925	1780	56.788	80.8	418.992917	490.9672
	54.4638	1567	58.031	95.8	416.324532	491.2622
199.4	60.4955	1586	58.647	92	422.68625	502.566957
199.4	63.88144	1614	59.983	89.2	431.756874	509.885728
199.4	58.51028	1639	60.86	81.8	435.155193	510.097936
199.4	51.25992	1659	61.48	90.5	403.851985	503.777577
	41.10388	1676	62.1	74.1	406.76733	495.299802
	51.368	1687	62.643	94	404.051538	492.298202
	56.81129	1700	63.242	89.4	408.777099	497.127059
	64.94648	1719	63.893	91.7	409.875556	504.096741
	69.68414	1739	64.58	90.5	411.56185	510.013287
201.2	70.96576	1760	65.2	87.9	413.212668	512.284685
201.2	69.85102	1775	65.83	91.8	414.532692	514.2364
201.2	70.74458	1790	66.45	91.6	416.625145	516.9896
201.2	69.07812	1802	67.04	82.4	416.217879	516.745094
201.2	80.44739	1815	67.133	90	401.488126	520.757543
201.2	84.70091	1837	68.31	87.1	406.958647	525.720118
201.2	55.44704	1841	68.357	77.4	409.648558	519.06044
201.2	60.43324	1848	68.93	90.6	407.198558	514.6
201.2	49.46171	1849	68.93	92.1	405.282292	509.052665
201.2	70.18522	1853	68.93	95.4	389.504808	513.182759
201	71.32815	1860	68.93	74.8	377.764575	521.966667
200.7	22.23556	1852	68.93	47.1	393.483333	502.073333
200.3	26.96566	1834	68.31	56.5	394.9	466.158163
199.9	33.67654	1816	67.69	74.1	397.432895	451.649611
199.5	38.66003	1803	67.07	76.1	405.771053	447.474429

1.17613	1.41693	9.3989	14688.987
1.17639	1.41768	9.40205	14694.659
1.17666	1.41841	9.40539	14700.881
1.17692	1.41916	9.40857	14706.997
1.17714	1.41974	9.41088	14712.038
1.17734	1.42032	9.41204	14716.221
1.17755	1.42092	9.41381	14720.25
1.17785	1.42188	9.41776	14726.512
1.17832	1.42331	9.4342	14738.516
1.17899	1.42534	9.46759	14756.774
1.18013	1.42743	9.48345	14777.32
1.18236	1.42954	9.49241	14798.599
1.18513	1.43173	9.50103	14816.586
1.18755	1.4334	9.50721	14829.488
1.18922	1.43469	9.51286	14837.631
1.19087	1.43622	9.52191	14848.984
1.19247	1.43787	9.53069	14862.627
1.19404	1.43959	9.537	14877.664
1.19566	1.44133	9.54277	14893.697
1.19728	1.44329	9.54906	14909.775
1.19861	1.44484	9.55534	14922.546
1.19944	1.44587	9.56017	14930.132
1.2002	1.44684	9.56539	14938.459
1.201	1.44794	9.57123	14948.633
1.20177	1.44915	9.57608	14959.353
1.20245	1.4502	9.58058	14969.125
1.203	1.45122	9.58513	14977.358
1.20345	1.45207	9.58966	14984.837
1.20391	1.45307	9.59414	14993.148
1.2044	1.45414	9.59868	15002.744
1.20496	1.45538	9.60304	15014.17
1.20555	1.45668	9.6074	15026.215
1.20614	1.45796	9.61204	15037.926
1.20671	1.45927	9.61699	15049.45
1.20728	1.46049	9.62195	15061.039
1.20784	1.46182	9.62689	15072.599
1.20849	1.46326	9.63259	15086.015
1.20916	1.46476	9.63806	15099.697
1.20969	1.46599	9.64262	15109.659
1.21016	1.46706	9.64722	15118.487
1.2106	1.46812	9.65153	15126.83
1.21116	1.46938	9.65706	15138.225
1.21165	1.47055	9.66029	15147.951
1.21192	1.47115	9.66142	15152.521
1.21216	1.47172	9.66243	15155.873
1.2124	1.47241	9.66445	15158.971
1.21268	1.47319	9.66885	15163.549

11:22:15.351	-9	0.00032	0.00096	0.00289	5.988	0.000579
11:22:16.351	-9	0.00032	0.00088	0.00215	6.331	0.000612
11:22:17.351	-9	0.00029	0.00081	0.00197	5.715	0.000552
11:22:18.351	-9	0.00032	0.00084	0.00247	6.206	0.0006
11:22:19.351	-9	0.00032	0.00081	0.00297	6.368	0.000615
11:22:20.351	-9	0.00032	0.00086	0.00387	6.761	0.000653
11:22:21.351	-9	0.00033	0.0009	0.00379	7.517	0.000726
11:22:22.351	-9	0.00038	0.00112	0.00407	9.369	0.000904
11:22:23.351	-9	0.00044	0.00122	0.00388	11.175	0.001078
11:22:24.351	-9	0.00047	0.00135	0.00393	11.844	0.001143
11:22:25.351	-9	0.00048	0.00127	0.00462	11.806	0.00114
11:22:26.351	-9	0.00049	0.00129	0.00515	11.902	0.001149
11:22:27.351	-9	0.00043	0.0012	0.00452	10.067	0.000972
11:22:28.351	-9	0.0004	0.00106	0.00502	9.226	0.000891
11:22:29.351	-9	0.00039	0.00108	0.00487	9.021	0.000872
11:22:30.351	-9	0.00038	0.00101	0.00448	8.62	0.000833
11:22:31.351	-9	0.00046	0.00131	0.00513	11.193	0.001081
11:22:32.351	-8.8	0.00049	0.00131	0.00444	11.742	0.001134
11:22:33.351	-8	0.0004	0.00107	0.00324	9.219	0.000891
11:22:34.351	-8	0.0004	0.00112	0.00442	9.167	0.000886
11:22:35.351	-8	0.00036	0.00088	0.00382	8.53	0.000824
11:22:36.351	-8	0.00031	0.0008	0.00326	6.795	0.000657
11:22:37.351	-8	0.00026	0.0006	0.00327	5.917	0.000572
11:22:38.351	-8	0.0002	0.00052	0.00268	4.878	0.000472
11:22:39.351	-8	0.00017	0.0005	0.00227	3.868	0.000374
11:22:40.351	-8	0.00016	0.00056	0.00165	3.257	0.000315
11:22:41.351	-8	0.00017	0.00063	0.00219	3.152	0.000305
11:22:42.351	-8	0.00019	0.00066	0.00293	3.617	0.00035
11:22:43.351	-8	0.00021	0.00075	0.00326	4.532	0.000439
11:22:44.351	-8	0.00022	0.00072	0.00335	5.182	0.000501
11:22:45.351	-8	0.00024	0.0008	0.00264	5.761	0.000557
11:22:46.351	-8	0.00024	0.00076	0.00228	5.954	0.000575
11:22:47.351	-8	0.00023	0.00074	0.00232	5.89	0.000569
11:22:48.351	-8	0.00022	0.00071	0.00229	5.926	0.000573
11:22:49.351	-8	0.00023	0.00068	0.00231	6.26	0.000605
11:22:50.351	-8	0.00029	0.00093	0.00346	8.704	0.00084
11:22:51.351	-8	0.00033	0.00097	0.00223	9.823	0.000948
11:22:52.351	-8	0.00029	0.00086	0.00243	8.089	0.000781
11:22:53.351	-8	0.00031	0.00091	0.00405	8.874	0.000857
11:22:54.351	-8	0.00032	0.00093	0.00458	9.553	0.000922
11:22:55.351	-8	0.0003	0.00089	0.00365	8.176	0.00079
11:22:56.351	-8	0.00032	0.00091	0.00384	9.218	0.00089
11:22:57.351	-8	0.00035	0.00109	0.00329	10.329	0.000997
11:22:58.351	-8	0.00052	0.00147	0.00469	14.959	0.001444
11:22:59.351	-8	0.00052	0.00151	0.00549	14.138	0.001365
11:23:00.351	-8	0.00051	0.00144	0.0064	13.668	0.00132
11:23:01.351	-8	0.00045	0.00127	0.00585	11.343	0.001096

69.4	4.70E+00	3.900	2.000	3.078	1.578	47.000
69.4	4.60E+00	3.900	2.000	3.070	1.574	42.000
68.7	4.60E+00	3.900	2.000	3.070	1.574	42.800
68.7	4.60E+00	3.900	2.000	3.070	1.574	40.500
68.2	4.60E+00	3.900	2.000	3.061	1.570	39.600
68.2	4.60E+00	3.900	2.000	3.052	1.565	40.700
68.1	4.40E+00	3.800	1.900	2.963	1.482	39.700
68.1	4.30E+00	3.600	1.900	2.795	1.474	41.500
68.1	4.20E+00	3.600	1.900	2.782	1.468	39.200
68	4.30E+00	3.600	1.900	2.787	1.471	40.400
68.6	4.20E+00	3.600	1.800	2.799	1.399	36.600
68.6	4.20E+00	3.600	1.800	2.800	1.400	36.800
69.5	4.20E+00	3.600	1.800	2.809	1.405	39.100
69.5	4.20E+00	3.600	1.800	2.815	1.408	37.000
69.5	4.10E+00	3.500	1.800	2.740	1.408	38.700
70.2	4.20E+00	3.600	1.800	2.818	1.409	37.700
70.4	4.20E+00	3.600	1.800	2.800	1.400	40.000
70.4	4.20E+00	3.600	1.800	2.804	1.403	37.400
71.1	4.20E+00	3.600	1.700	2.824	1.334	37.200
71.1	4.20E+00	3.600	1.700	2.825	1.334	38.700
71.3	4.20E+00	3.600	1.700	2.821	1.332	33.400
71.3	4.20E+00	3.600	1.700	2.838	1.340	35.500
71.6	3.90E+00	3.300	1.700	2.603	1.341	30.700
71.6	3.80E+00	3.100	1.700	2.445	1.340	32.100
70.9	3.70E+00	3.100	1.600	2.457	1.268	36.600
70.8	3.80E+00	3.100	1.600	2.482	1.281	43.700
69.5	3.70E+00	3.100	1.500	2.501	1.211	45.400
69.5	3.70E+00	3.100	1.500	2.495	1.207	42.400
68	3.70E+00	3.100	1.500	2.474	1.197	43.500
68	3.60E+00	3.100	1.500	2.459	1.190	39.200
67.1	3.60E+00	3.100	1.500	2.450	1.185	40.900
67.1	3.60E+00	3.100	1.500	2.443	1.182	38.900
66.5	3.60E+00	3.100	1.500	2.438	1.180	38.900
66.5	3.60E+00	3.100	1.500	2.433	1.178	37.800
65.9	3.60E+00	3.100	1.500	2.428	1.175	35.100
65.9	3.60E+00	3.100	1.500	2.406	1.164	37.700
65.5	3.60E+00	3.100	1.500	2.409	1.165	34.300
65.5	3.60E+00	3.100	1.500	2.419	1.170	35.800
65.2	3.60E+00	3.100	1.500	2.418	1.170	34.500
65.2	3.60E+00	3.100	1.500	2.407	1.165	34.000
65.1	3.70E+00	3.200	1.500	2.500	1.172	36.000
65.1	3.70E+00	3.200	1.500	2.489	1.167	34.100
64.9	3.60E+00	3.200	1.500	2.481	1.163	37.500
64.9	3.60E+00	3.200	1.500	2.484	1.164	34.500
65.1	3.70E+00	3.300	1.500	2.568	1.168	36.200
65.2	3.70E+00	3.300	1.500	2.576	1.171	34.900
66.7	3.80E+00	3.400	1.500	2.661	1.174	35.900

199.4	42.02171	1794	66.862	77.4	405.618126	445.689211
199.4	42.87313	1788	66.45	79.7	405.384167	444.5
199.4	36.06931	1784	66.45	90.9	405.795616	444.23314
199.4	45.08898	1776	65.83	86.9	402.427316	446.07184
199.4	42.43688	1772	65.83	84.5	401.360377	452.160823
199	43.8803	1771	65.83	86.7	397.821739	458.587677
198.6	46.50039	1769	65.83	87.2	400.67341	464.905788
198.2	55.75531	1774	65.83	90.7	395.648753	476.233144
197.8	64.71696	1782	66.188	90.6	386.057996	489.227586
197.8	70.95841	1793	66.45	89.8	398.151795	498.417391
198.1	71.52962	1802	67.07	90.8	406.82588	502.565882
198.5	73.23449	1818	67.612	91.4	406.447297	507.116667
198.9	60.46174	1827	67.69	90.1	411.978333	507.781119
199.2	59.71545	1829	68.281	87.8	411.534896	502.301
199.4	58.86547	1832	68.31	81.6	411.247089	500.208696
199.4	53.86986	1833	68.31	89	409.627046	493.78431
199.4	70.84462	1845	68.31	93	409.708	502.715
199.4	74.3139	1851	68.93	85	422.300512	510.426496
199.4	59.9798	1857	68.93	82.5	424.088778	505.312195
199.4	59.156	1862	68.93	88	426.474937	500.646607
199.4	55.33269	1860	69.088	83.2	432.703704	504.601176
199.4	43.81733	1857	68.93	84	426.664876	493.850417
199.4	43.84735	1849	68.93	85.6	428.322176	487.3504
199.4	31.58135	1837	68.31	79.7	433.73649	481.239565
199.4	30.12288	1820	67.69	55.5	428.094958	463.2208
199.4	28.61742	1799	66.792	52.3	416.454071	440.022128
199.4	29.82725	1782	66.45	54.5	406.164865	424.134884
199.4	34.15627	1766	65.83	68.1	400.022551	415.24913
199.4	38.01973	1753	65.2	74.2	397.047005	414.82648
199	38.19011	1745	65.133	75.7	396.961538	417.046101
198.6	40.80236	1736	64.58	78.7	397.740748	421.112181
198.3	40.65185	1729	64.504	83.2	398.826854	427.230488
197.9	38.80392	1722	63.96	83.9	400.56177	433.257874
197.6	38.42601	1714	63.947	86.6	401.180488	438.682979
197.6	39.26098	1708	63.34	89	397.710256	443.480849
197.6	57.31778	1703	63.34	95.8	392.593409	462.066957
197.6	60.15294	1704	63.34	82.9	404.442564	477.416207
197.6	47.48107	1703	63.34	82.8	409.248898	474.44668
	53.78055	1695	62.747	92.4	409.501224	480.037059
	58.09214	1695	62.72	90.2	409.843725	490.644325
	50.44431	1691	62.72	87.4	407.39928	486.514092
	54.6358	1690	62.72	90.7	411.286667	487.841038
	60.10935	1690	62.72	95.6	410.830249	495.685083
	96.01778	1707	63.262	90.8	411.511515	506.416454
	88.11008	1729	63.96	85.6	410.105405	519.14907
	86.03925	1751	65.095	85.3	410.871074	522.988589
	73.7645	1760	65.2	84.1	412.719392	521.9572

1.213	1.47415	9.67174	15169.537
1.21332	1.47503	9.67389	15175.868
1.21361	1.47584	9.67586	15181.583
1.21393	1.47668	9.67833	15187.789
1.21425	1.47749	9.6813	15194.157
1.21457	1.47835	9.68517	15200.918
1.2149	1.47925	9.68896	15208.435
1.21528	1.48037	9.69303	15217.804
1.21572	1.48159	9.69691	15228.979
1.21619	1.48294	9.70084	15240.823
1.21667	1.48421	9.70546	15252.629
1.21716	1.4855	9.71061	15264.531
1.21759	1.4867	9.71513	15274.598
1.21799	1.48776	9.72015	15283.824
1.21838	1.48884	9.72502	15292.845
1.21876	1.48985	9.7295	15301.465
1.21922	1.49116	9.73463	15312.658
1.21971	1.49247	9.73907	15324.4
1.22011	1.49354	9.74231	15333.619
1.22051	1.49466	9.74673	15342.786
1.22087	1.49554	9.75055	15351.316
1.22118	1.49634	9.75381	15358.111
1.22144	1.49694	9.75708	15364.028
1.22164	1.49746	9.75976	15368.906
1.22181	1.49796	9.76203	15372.774
1.22197	1.49852	9.76368	15376.031
1.22214	1.49915	9.76587	15379.183
1.22233	1.49981	9.7688	15382.8
1.22254	1.50056	9.77206	15387.332
1.22276	1.50128	9.77541	15392.514
1.223	1.50208	9.77805	15398.275
1.22324	1.50284	9.78033	15404.229
1.22347	1.50358	9.78265	15410.119
1.22369	1.50429	9.78494	15416.045
1.22392	1.50497	9.78725	15422.305
1.22421	1.5059	9.79071	15431.009
1.22454	1.50687	9.79294	15440.832
1.22483	1.50773	9.79537	15448.921
1.22514	1.50864	9.79942	15457.795
1.22546	1.50957	9.804	15467.348
1.22576	1.51046	9.80765	15475.524
1.22608	1.51137	9.81149	15484.742
1.22643	1.51246	9.81478	15495.071
1.22695	1.51393	9.81947	15510.03
1.22747	1.51544	9.82496	15524.168
1.22798	1.51688	9.83136	15537.836
1.22843	1.51815	9.83721	15549.179

11:23:02.351	-8	0.00033	0.00095	0.00435	7.995	0.000773
11:23:03.351	-8	0.00026	0.00068	0.00375	6.134	0.000593
11:23:04.351	-8	0.00029	0.00087	0.00465	7.237	0.0007
11:23:05.351	-8	0.00027	0.00074	0.00375	7.122	0.000688
11:23:06.351	-8	0.00026	0.00075	0.00326	6.677	0.000645
11:23:07.351	-8	0.00025	0.00067	0.00332	6.36	0.000614
11:23:08.351	-8	0.00029	0.00078	0.00381	7.689	0.000743
11:23:09.351	-8	0.00037	0.0011	0.00393	10.361	0.001
11:23:10.351	-8	0.0004	0.00114	0.00332	11.329	0.001093
11:23:11.351	-8	0.00034	0.00104	0.00288	9.086	0.000878
11:23:12.351	-8	0.00028	0.00084	0.00301	7.375	0.000713
11:23:13.351	-8	0.00029	0.00093	0.00367	7.639	0.000738
11:23:14.351	-8	0.00033	0.00103	0.00437	9.153	0.000884
11:23:15.351	-8	0.00037	0.00115	0.00349	10.397	0.001004
11:23:16.351	-8	0.00037	0.00121	0.00382	10.227	0.000988
11:23:17.351	-8	0.00032	0.001	0.00368	8.326	0.000804
11:23:18.351	-8	0.00023	0.00078	0.0025	5.568	0.000538
11:23:19.351	-8	0.00023	0.00072	0.00211	5.258	0.000508
11:23:20.351	-8	0.00026	0.00089	0.00267	6.128	0.000592
11:23:21.351	-8	0.0003	0.00099	0.0027	7.474	0.000722
11:23:22.351	-8	0.00027	0.00084	0.00325	6.741	0.000651
11:23:23.351	-8	0.00025	0.00082	0.00354	6.136	0.000593
11:23:24.351	-8	0.00024	0.00077	0.00342	5.905	0.000571
11:23:25.351	-8	0.00027	0.0009	0.00347	6.724	0.00065
11:23:26.351	-8	0.00028	0.00087	0.00334	7.266	0.000702
11:23:27.351	-8	0.0003	0.001	0.00361	8.156	0.000788
11:23:28.351	-8	0.00028	0.00086	0.00273	7.54	0.000728
11:23:29.351	-8	0.00032	0.00096	0.00341	8.512	0.000822
11:23:30.351	-8	0.0004	0.0013	0.00427	11.394	0.0011
11:23:31.351	-8	0.00043	0.0013	0.00385	12.295	0.001187
11:23:32.351	-8	0.00045	0.00135	0.00392	12.504	0.001207
11:23:33.351	-8	0.00051	0.00143	0.00437	13.735	0.001326
11:23:34.351	-8	0.00049	0.00139	0.00468	12.383	0.001196
11:23:35.351	-8	0.00032	0.00089	0.00291	7.443	0.000719
11:23:36.351	-8	0.00029	0.00081	0.00282	6.46	0.000624
11:23:37.351	-8	0.00028	0.00089	0.00323	6.817	0.000659
11:23:38.351	-8	0.0003	0.00097	0.00322	7.795	0.000753
11:23:39.351	-8	0.00039	0.00124	0.00554	10.486	0.001013
11:23:40.351	-8	0.00041	0.00118	0.00511	10.829	0.001046
11:23:41.351	-8	0.00033	0.001	0.00396	8.358	0.000808
11:23:42.351	-8	0.00034	0.00099	0.00404	8.589	0.00083
11:23:43.351	-8	0.00037	0.00108	0.00424	9.796	0.000946
11:23:44.351	-8	0.0003	0.0009	0.00319	7.758	0.000749
11:23:45.351	-8	0.00027	0.00076	0.00321	6.658	0.000643
11:23:46.351	-8	0.00029	0.00089	0.00379	7.099	0.000686
11:23:47.351	-8.2	0.00024	0.0007	0.00305	6.072	0.000587
11:23:48.351	-8.8	0.0002	0.00063	0.00244	5.002	0.000483

66.8	3.90E+00	3.400	1.500	2.672	1.179	36.600		54.85388	1765	65.83	86.7	411.815833	513.434322
67.9	3.90E+00	3.400	1.500	2.679	1.182	33.400	201.2	41.41862	1765	65.83	85.7	408.817252	497.859121
67.9	3.80E+00	3.300	1.500	2.593	1.179	37.200	201.2	48.83137	1766	65.83	85.5	416.091892	492.084
67.9	3.80E+00	3.300	1.500	2.582	1.174	33.700	201.2	46.48196	1772	65.83	84.5	427.203719	494.2612
67.9	3.80E+00	3.300	1.500	2.586	1.176	35.600	201.2	43.36881	1778	65.971	84.9	425.734167	489.245325
68.4	3.80E+00	3.300	1.500	2.586	1.175	33.600	201.2	41.24692	1780	66.45	84.2	438.846893	485.668562
68.4	3.70E+00	3.300	1.500	2.576	1.171	33.300		44.50347	1786	66.45	96.5	438.322699	486.601698
68.7	3.70E+00	3.300	1.500	2.564	1.165	36.600		66.21665	1800	66.77	88.8	441.659267	495.068155
68.7	3.70E+00	3.200	1.500	2.487	1.166	34.500		66.36426	1811	67.379	86.3	443.12	501.5
69.3	3.70E+00	3.200	1.500	2.503	1.173	37.000		57.42547	1824	67.69	85.3	445.267835	499.372008
69.3	3.60E+00	3.100	1.500	2.435	1.178	35.500		45.67	1830	68.31	86.7	442.322756	494.087976
70.1	3.60E+00	3.100	1.500	2.430	1.176	38.600		50.51753	1834	68.31	86.1	441.038046	492.273453
70.1	3.70E+00	3.200	1.500	2.491	1.168	38.200		58.76754	1840	68.31	88.4	441.418372	496.068235
70.5	3.70E+00	3.200	1.500	2.489	1.167	37.700		64.71393	1847	68.612	86.1	442.911728	501.790798
70.5	3.70E+00	3.200	1.500	2.497	1.170	39.300		64.70857	1854	68.93	86.1	444.954444	502.101765
71.2	3.70E+00	3.200	1.500	2.509	1.176	37.900		56.82878	1858	68.93	82.2	444.3778	498.703257
71.2	3.80E+00	3.300	1.500	2.602	1.183	41.400	199.4	39.49	1861	68.93	80.8	441.20716	489.518222
71.2	3.80E+00	3.300	1.500	2.608	1.186	39.500	199.4	36.50432	1855	69.049	79.6	428.747784	480.230769
71.5	3.80E+00	3.300	1.500	2.604	1.184	42.900	199.4	39.41034	1850	69.029	84.7	425.407214	474.028571
71.1	3.80E+00	3.300	1.500	2.591	1.178	41.200	199.4	48.35847	1853	68.93	83.9	421.919749	474.221277
71.1	3.80E+00	3.300	1.500	2.588	1.177	39.400		48.98426	1845	68.841	82	413.393346	476.364091
71.1	3.80E+00	3.300	1.500	2.595	1.180	41.100		40.93719	1840	68.31	82.3	415.721996	473.865882
71.1	3.80E+00	3.300	1.500	2.595	1.180	40.000		40.80677	1833	68.31	82.8	415.658979	471.238333
70.5	3.80E+00	3.300	1.500	2.590	1.177	42.000		44.67729	1826	67.69	85.4	415.869048	470.6
70.5	3.80E+00	3.300	1.500	2.584	1.175	38.600		47.77803	1821	67.69	83	415.601905	472.249351
70.1	3.70E+00	3.300	1.500	2.575	1.171	40.700	199.4	52.76063	1821	67.69	86	415.880608	477.665675
70.1	3.70E+00	3.300	1.500	2.576	1.171	38.000	199.4	49.32637	1815	67.69	76.3	419.804054	479.746018
70	3.70E+00	3.300	1.500	2.578	1.172	37.000	199.4	52.95824	1815	67.69	86.7	416.872569	480.000987
70	3.70E+00	3.300	1.500	2.561	1.164	40.100	199.4	70.66546	1822	67.69	93.5	413.348866	492.273006
69.9	3.70E+00	3.300	1.500	2.561	1.164	37.000	199.4	76.3463	1830	67.829	88.5	417.535768	504.853922
69.9	3.80E+00	3.400	1.500	2.638	1.164	37.700	199.4	74.54482	1845	68.426	95.5	421.519847	511.349555
70.8	3.90E+00	3.500	1.500	2.719	1.165	36.100	199.4	83.6767	1868	69.146	90.4	414.408396	518.93362
70.8	3.90E+00	3.500	1.500	2.733	1.171	37.000	199.4	83.34491	1877	69.723	85.2	419.960858	521.1
71.9	3.90E+00	3.500	1.500	2.754	1.180	36.300	199.4	61.50641	1878	69.975	80	420.378367	508.738557
71.9	3.90E+00	3.500	1.400	2.766	1.106	36.600	199.4	43.84338	1874	69.55	88.1	417.770506	497.752734
72.3	3.80E+00	3.500	1.300	2.754	1.023	40.000	199.4	44.46565	1872	69.55	84.6	418.839884	491.526942
72.3	3.80E+00	3.500	1.300	2.741	1.018	40.000	199.4	48.97845	1867	69.55	84.4	412.814385	489.299229
71.8	3.70E+00	3.500	1.300	2.727	1.013	40.000	199.4	67.44662	1869	69.55	85.3	405.560019	501.182854
71.8	3.70E+00	3.500	1.300	2.731	1.015	36.100	199.4	68.5171	1869	69.55	83.5	419.343	507.052009
71.8	3.80E+00	3.500	1.300	2.748	1.021	37.300	199.4	54.14526	1872	69.55	84.8	421.478819	499.579368
71.8	3.80E+00	3.500	1.300	2.746	1.020	36.100	199.4	57.2914	1868	69.55	86.5	419.748889	497.275634
71.8	3.70E+00	3.500	1.300	2.733	1.015	36.400	199.4	62.31486	1870	69.55	85.7	418.758951	502.407818
71.8	3.80E+00	3.500	1.300	2.744	1.019	36.900	199.4	52.2505	1873	69.55	82.6	430.788413	501.919924
71.8	3.80E+00	3.500	1.300	2.755	1.023	34.900	199.4	41.63735	1866	69.55	81.6	442.270267	488.52747
71.8	3.70E+00	3.400	1.300	2.677	1.023	38.000	199.4	48.61729	1858	68.93	83.8	436.186629	484.49772
72.3	3.70E+00	3.400	1.300	2.670	1.021	35.600	199.4	39.31382	1854	68.93	83.2	438.028302	483.147129
72.3	3.70E+00	3.400	1.300	2.672	1.022	38.200	199.4	37.39919	1844	68.496	80.2	436.736704	476.769891

1.22876	1.5191	9.84156	15557.174
1.22902	1.51978	9.84531	15563.308
1.22931	1.52065	9.84996	15570.545
1.22958	1.52139	9.85371	15577.667
1.22984	1.52214	9.85697	15584.344
1.23009	1.52281	9.86029	15590.704
1.23038	1.52359	9.8641	15598.393
1.23075	1.52469	9.86803	15608.754
1.23115	1.52583	9.87135	15620.083
1.23149	1.52687	9.87423	15629.169
1.23177	1.52771	9.87724	15636.544
1.23206	1.52864	9.88091	15644.183
1.23239	1.52967	9.88528	15653.336
1.23276	1.53082	9.88877	15663.733
1.23313	1.53203	9.89259	15673.96
1.23345	1.53303	9.89627	15682.286
1.23368	1.53381	9.89877	15687.854
1.23391	1.53453	9.90088	15693.112
1.23417	1.53542	9.90355	15699.24
1.23447	1.53641	9.90625	15706.714
1.23474	1.53725	9.9095	15713.455
1.23499	1.53807	9.91304	15719.591
1.23523	1.53884	9.91646	15725.496
1.2355	1.53974	9.91993	15732.22
1.23578	1.54061	9.92327	15739.486
1.23608	1.54161	9.92688	15747.642
1.23636	1.54247	9.92961	15755.182
1.23668	1.54343	9.93302	15763.694
1.23708	1.54473	9.93729	15775.088
1.23751	1.54603	9.94114	15787.383
1.23796	1.54738	9.94506	15799.887
1.23847	1.54881	9.94943	15813.622
1.23896	1.5502	9.95411	15826.005
1.23928	1.55109	9.95702	15833.448
1.23957	1.5519	9.95984	15839.908
1.23985	1.55279	9.96307	15846.725
1.24015	1.55376	9.96629	15854.52
1.24054	1.555	9.97183	15865.006
1.24095	1.55618	9.97694	15875.835
1.24128	1.55718	9.9809	15884.193
1.24162	1.55817	9.98494	15892.782
1.24199	1.55925	9.98918	15902.578
1.24229	1.56015	9.99237	15910.336
1.24256	1.56091	9.99558	15916.994
1.24285	1.5618	9.99937	15924.093
1.24309	1.5625	10.00242	15930.165
1.24329	1.56313	10.00486	15935.167

11:23:49.351	-8	0.00019	0.00062	0.00225	4.448	0.00043
11:23:50.351	-8	0.0002	0.00073	0.0022	4.256	0.000412
11:23:51.351	-8.3	0.00021	0.00076	0.00315	4.562	0.000441
11:23:52.351	-9	0.00022	0.00074	0.00316	5.138	0.000497
11:23:53.351	-8.7	0.00025	0.00087	0.00331	6.335	0.000612
11:23:54.351	-8.2	0.00025	0.00078	0.00305	6.456	0.000624
11:23:55.351	-8.8	0.00021	0.00066	0.00256	5.289	0.000511
11:23:56.351	-8	0.00019	0.00062	0.0024	4.814	0.000465
11:23:57.351	-8	0.00019	0.00064	0.0027	4.762	0.00046
11:23:58.351	-8	0.00021	0.00073	0.00321	5.146	0.000498
11:23:59.351	-8	0.00023	0.00075	0.0034	5.793	0.00056
11:24:00.351	-8	0.00024	0.00079	0.00306	6.257	0.000605
11:24:01.351	-8	0.00021	0.00075	0.00232	5.669	0.000548
11:24:02.351	-8	0.00019	0.00061	0.00208	4.85	0.000469
11:24:03.351	-8	0.00019	0.00063	0.00239	4.638	0.000448
11:24:04.351	-8	0.00019	0.00062	0.00264	4.394	0.000425
11:24:05.351	-8	0.0002	0.00063	0.00294	4.834	0.000468
11:24:06.351	-8	0.0002	0.00061	0.00272	5.239	0.000506
11:24:07.351	-8	0.00019	0.00064	0.00208	5.017	0.000485
11:24:08.351	-8	0.00019	0.00063	0.00183	4.854	0.000469
11:24:09.351	-8	0.00023	0.00087	0.00248	5.851	0.000566
11:24:10.351	-8.2	0.00023	0.00078	0.00226	6.068	0.000586
11:24:11.351	-8.8	0.0002	0.00064	0.00188	5.336	0.000515
11:24:12.351	-8	0.00017	0.00058	0.00183	4.394	0.000425
11:24:13.351	-8	0.00017	0.00064	0.00205	3.802	0.000368
11:24:14.351	-8	0.00021	0.00086	0.00212	5.115	0.000495
11:24:15.351	-8	0.00029	0.00099	0.00432	7.902	0.000764
11:24:16.351	-8	0.00039	0.00124	0.00512	11.337	0.001095
11:24:17.351	-8	0.00043	0.00123	0.00482	12.178	0.001176
11:24:18.351	-8	0.00034	0.00091	0.00314	8.756	0.000846
11:24:19.351	-8	0.00025	0.00073	0.00214	6.035	0.000583
11:24:20.351	-8	0.00027	0.00071	0.00314	6.425	0.000621
11:24:21.351	-8	0.00029	0.00086	0.00345	7.55	0.000729
11:24:22.351	-8	0.00025	0.00067	0.00268	6.609	0.000638
11:24:23.351	-8	0.00023	0.00063	0.00274	5.8	0.00056
11:24:24.351	-8	0.00023	0.00062	0.003	5.631	0.000544
11:24:25.351	-8	0.0002	0.00057	0.00258	5.04	0.000487
11:24:26.351	-8	0.00019	0.0006	0.00229	4.618	0.000446
11:24:27.351	-8	0.00019	0.00065	0.00222	4.231	0.000409
11:24:28.351	-8	0.00017	0.0006	0.00126	3.321	0.000321
11:24:29.351	-8	0.00017	0.00056	0.00098	2.608	0.000253
11:24:30.351	-8	0.00016	0.00051	0.00083	1.545	0.00015
11:24:31.351	-8	0.00014	0.00041	0.00082	0.719	0.00007
11:24:32.351	-8	0.00011	0.0003	0.0012	0.363	0.000035
11:24:33.351	-8	0.00009	0.00025	0.00105	0.214	0.000021
11:24:34.351	-8	0.00008	0.00021	0.00105	0.168	0.000016
11:24:35.351	-8	0.00008	0.00023	0.00115	0.169	0.000017

71.1	3.60E+00	3.300	1.300	2.612	1.029	40.000
71.1	3.70E+00	3.300	1.300	2.632	1.037	44.500
70.1	3.60E+00	3.300	1.200	2.629	0.956	43.800
70.1	3.60E+00	3.300	1.300	2.611	1.029	40.700
69.5	3.60E+00	3.300	1.300	2.597	1.023	41.000
69.5	3.60E+00	3.300	1.300	2.589	1.020	37.800
69.5	3.60E+00	3.300	1.300	2.592	1.021	38.300
69.5	3.50E+00	3.300	1.200	2.601	0.946	38.700
69.4	3.60E+00	3.300	1.200	2.607	0.948	39.000
69.4	3.60E+00	3.300	1.200	2.608	0.948	41.400
69.2	3.50E+00	3.300	1.200	2.602	0.946	38.500
69.2	3.50E+00	3.300	1.200	2.593	0.943	39.300
68.9	3.50E+00	3.300	1.200	2.588	0.941	41.700
68.9	3.50E+00	3.300	1.200	2.596	0.944	38.600
68.9	3.50E+00	3.200	1.200	2.533	0.950	38.500
68.8	3.50E+00	3.200	1.200	2.543	0.954	38.300
68.2	3.40E+00	3.100	1.200	2.461	0.953	36.000
68.2	3.40E+00	3.100	1.200	2.448	0.948	34.200
68.1	3.40E+00	3.100	1.200	2.442	0.945	38.500
68.1	3.50E+00	3.300	1.100	2.603	0.867	38.600
67.7	3.50E+00	3.400	1.100	2.677	0.866	44.900
67.7	3.50E+00	3.400	1.100	2.669	0.864	40.100
67.7	3.50E+00	3.400	1.100	2.664	0.862	37.900
67.7	3.50E+00	3.400	1.100	2.678	0.866	39.900
67.6	3.60E+00	3.400	1.100	2.711	0.877	44.200
67.6	3.60E+00	3.400	1.100	2.695	0.872	47.400
66.9	3.60E+00	3.400	1.200	2.663	0.939	40.100
66.9	3.60E+00	3.400	1.200	2.642	0.932	37.900
67.2	3.70E+00	3.400	1.300	2.643	1.010	34.600
67.3	3.70E+00	3.400	1.300	2.664	1.019	33.100
68.6	3.80E+00	3.500	1.300	2.761	1.025	35.900
68.6	3.80E+00	3.500	1.300	2.755	1.024	33.400
68.6	3.80E+00	3.500	1.300	2.739	1.017	36.900
68.6	3.80E+00	3.500	1.300	2.735	1.016	33.300
68.7	3.80E+00	3.500	1.300	2.744	1.019	34.700
68.7	3.80E+00	3.500	1.300	2.749	1.021	34.500
68.1	3.80E+00	3.500	1.300	2.746	1.020	36.000
68.1	3.80E+00	3.500	1.300	2.760	1.025	39.200
67.2	3.80E+00	3.500	1.300	2.773	1.030	43.900
67.1	3.80E+00	3.500	1.300	2.797	1.039	46.100
66.1	4.00E+00	3.500	1.400	2.842	1.135	43.600
66	4.10E+00	3.500	1.400	2.902	1.161	43.900
64	4.10E+00	3.500	1.300	2.956	1.098	39.300
63.9	4.10E+00	3.500	1.300	2.978	1.106	35.900
61.8	4.00E+00	3.400	1.300	2.902	1.110	37.500
61.7	4.10E+00	3.400	1.400	2.905	1.196	34.900
57.5	4.00E+00	3.400	1.300	2.905	1.111	38.100

199.4	31.35957	1836	68.31	54.4	432.937083	462.775362
199.4	32.84962	1824	67.69	61.5	418.602119	445.97965
199.4	37.84068	1814	67.69	75	416.4074	440.664208
199	38.27239	1809	67.07	77.7	416.726104	440.722004
198.6	48.58503	1810	67.07	86.6	417.67561	446.651619
198.3	38.99924	1810	67.07	82.3	420.522976	453.054384
197.9	35.65927	1809	67.07	76.2	415.786696	452.121421
197.6	34.32654	1803	67.07	73.3	415.367664	447.912439
197.6	34.04006	1800	67.07	73.4	415.226755	442.03896
197.6	38.68837	1795	66.47	74.5	414.205263	438.563715
197.6	41.05024	1792	66.45	80.9	410.3131	439.43266
197.6	41.81508	1791	66.45	82.9	408.499615	442.057235
197.5	41.99038	1791	66.45	80.3	410.103013	444.59274
197.1	27.76055	1786	66.91	71.2	408.824153	438.876211
196.8	35.92161	1777	65.83	67.8	405.356747	429.276302
196.4	33.41156	1775	65.83	70.9	404.935714	423.550664
196	38.21748	1770	65.83	73.5	405.198866	422.217647
	37.99933	1769	65.83	78.1	405.461453	424.839258
	35.82538	1766	65.83	79.3	406.433046	428.205594
	31.73472	1758	65.2	76.6	406.091193	424.650592
	42.34547	1759	65.2	74.2	406.193865	423.7
	40.95218	1764	65.495	82.4	406.336538	430.535294
195.8	37.67787	1757	65.2	75.4	407.024449	433.272551
195.8	28.38434	1750	65.2	60.5	405.234375	422.486129
195.8	29.92019	1742	64.58	67.7	405.902647	409.858276
195.8	40.76555	1738	64.58	85.5	405.574521	412.711752
195.8	49.86515	1742	64.58	89.3	405.618526	421.424609
196	71.11461	1752	65.2	90.5	410.315789	442.479443
196.3	72.10494	1772	65.832	86.1	416.415362	462.415288
196.7	58.30223	1784	66.45	87.5	416.047143	469.331837
197.1	40.20665	1786	66.45	87.2	415.77362	460.794524
197.4	41.28599	1782	66.45	86.7	412.892771	459.179208
197.6	48.85388	1782	66.45	87.9	417.970502	463.761739
197.6	46.9952	1781	66.45	84.7	424.787	470.361346
197.6	35.95206	1777	65.83	83.9	420.562857	464.374461
197.6	36.24101	1766	65.54	82.8	430.338168	458.621366
197.6	42.1514	1755	65.2	83.1	423.689595	453.454226
197.2	29.16591	1743	64.776	78.5	421.599057	444.032105
196.9	30.73968	1728	64.18	59.1	415.98037	430.804348
196.5	27.80227	1704	63.446	32.1	407.926923	412.605727
196.1	26.79652	1689	62.642	0	399.31566	385.72508
	24.13958	1657	61.412	0	393.377788	360.3666
	21.02253	1630	60.24	0	386.810566	340.892149
	17.29348	1599	59.55	0	381.763006	326.748467
	12.85236	1538	56.996	0	377.49697	316.529358
	12.35378	1477	54.614	0	375.808208	308.773477
195.7	11.80542	1438	53.393	4.1	371.112165	302.039466

1.24348	1.56375	10.00711	15939.615
1.24368	1.56448	10.00931	15943.871
1.24389	1.56524	10.01246	15948.433
1.24411	1.56598	10.01562	15953.571
1.24436	1.56685	10.01893	15959.906
1.24461	1.56763	10.02198	15966.362
1.24482	1.56829	10.02454	15971.651
1.24501	1.56891	10.02694	15976.465
1.2452	1.56955	10.02964	15981.227
1.24541	1.57028	10.03285	15986.373
1.24564	1.57103	10.03625	15992.166
1.24588	1.57182	10.03931	15998.423
1.24609	1.57257	10.04163	16004.092
1.24628	1.57318	10.04371	16008.942
1.24647	1.57381	10.0461	16013.58
1.24666	1.57443	10.04874	16017.974
1.24686	1.57506	10.05168	16022.808
1.24706	1.57567	10.0544	16028.047
1.24725	1.57631	10.05648	16033.064
1.24744	1.57694	10.05831	16037.918
1.24767	1.57781	10.06079	16043.769
1.2479	1.57859	10.06305	16049.837
1.2481	1.57923	10.06493	16055.173
1.24827	1.57981	10.06676	16059.567
1.24844	1.58045	10.06881	16063.369
1.24865	1.58131	10.07093	16068.484
1.24894	1.5823	10.07525	16076.386
1.24933	1.58354	10.08037	16087.723
1.24976	1.58477	10.08519	16099.901
1.2501	1.58568	10.08833	16108.657
1.25035	1.58641	10.09047	16114.692
1.25062	1.58712	10.09361	16121.117
1.25091	1.58798	10.09706	16128.667
1.25116	1.58865	10.09974	16135.276
1.25139	1.58928	10.10248	16141.076
1.25162	1.5899	10.10548	16146.707
1.25182	1.59047	10.10806	16151.747
1.25201	1.59107	10.11035	16156.365
1.2522	1.59172	10.11257	16160.596
1.25237	1.59232	10.11383	16163.917
1.25254	1.59288	10.11481	16166.525
1.2527	1.59339	10.11564	16168.07
1.25284	1.5938	10.11646	16168.789
1.25295	1.5941	10.11766	16169.152
1.25304	1.59435	10.11871	16169.366
1.25312	1.59456	10.11976	16169.534
1.2532	1.59479	10.12091	16169.703

11:24:36.351	-8	0.00025	0.00065	0.00549	0.974	0.000095
11:24:37.351	-8	0.0004	0.00119	0.01418	7.257	0.000704
11:24:38.351	-8	0.00053	0.00157	0.02261	13.573	0.001314
11:24:39.351	-8	0.00059	0.00149	0.01302	15.345	0.001482
11:24:40.351	-8	0.00055	0.00139	0.00759	13.128	0.001268
11:24:41.351	-8	0.00041	0.00097	0.0059	9.48	0.000916
11:24:42.351	-8	0.00038	0.001	0.00565	9.284	0.000897
11:24:43.351	-8	0.00033	0.00078	0.00405	7.698	0.000744
11:24:44.351	-8	0.00027	0.0007	0.00363	6.538	0.000632
11:24:45.351	-8	0.00019	0.00047	0.00189	4.148	0.000401
11:24:46.351	-8	0.00015	0.0004	0.00131	2.884	0.000279
11:24:47.351	-8	0.00013	0.00036	0.00141	2.161	0.000209
11:24:48.351	-8	0.00009	0.00025	0.00121	1.452	0.000141
11:24:49.351	-8	0.00008	0.00025	0.00105	1.239	0.00012
11:24:50.351	-8	0.00008	0.00023	0.00063	0.881	0.000085
11:24:51.351	-8	0.00017	0.00049	0.00079	1.379	0.000134
11:24:52.351	-8	0.0004	0.00107	0.00925	4.801	0.000466
11:24:53.351	-8	0.00113	0.00297	0.02606	24.407	0.002362
11:24:54.351	-8	0.00206	0.00336	0.01681	31.541	0.003047
11:24:55.351	-8	0.00434	0.00305	0.01087	31.514	0.003043
11:24:56.351	-8	0.00458	0.00261	0.01	25.454	0.002458
11:24:57.351	-8	0.00396	0.00236	0.00863	20.421	0.001973
11:24:58.351	-8	0.00244	0.00185	0.00882	15.182	0.001468
11:24:59.351	-8	0.00168	0.00146	0.00794	13.287	0.001285
11:25:00.351	-8	0.00077	0.0008	0.00449	7.601	0.000735
11:25:01.351	-8	0.00035	0.00046	0.00244	3.868	0.000374
11:25:02.351	-8	0.00029	0.00039	0.00229	3.416	0.000331
11:25:03.351	-8	0.00029	0.00054	0.00273	3.773	0.000365
11:25:04.351	-8	0.00045	0.00082	0.00442	6.953	0.000672
11:25:05.351	-8	0.0006	0.00119	0.00501	11.037	0.001066
11:25:06.351	-8	0.00049	0.00092	0.00332	9.095	0.000878
11:25:07.351	-8	0.00037	0.00065	0.00267	6.346	0.000613
11:25:08.351	-8	0.00042	0.00081	0.00448	8.05	0.000778
11:25:09.351	-8	0.00051	0.00098	0.00477	11.062	0.001068
11:25:10.351	-8	0.00049	0.00103	0.00371	10.817	0.001044
11:25:11.351	-8	0.00037	0.00076	0.00292	8.235	0.000795
11:25:12.351	-8	0.00035	0.00073	0.00323	7.342	0.000709
11:25:13.351	-8	0.00031	0.00071	0.00352	7.257	0.000701
11:25:14.351	-8	0.00032	0.00077	0.00342	8.25	0.000796
11:25:15.351	-8	0.0004	0.001	0.00341	10.903	0.001052
11:25:16.351	-8	0.00044	0.001	0.00358	12.119	0.001169
11:25:17.351	-8	0.00061	0.00152	0.00542	16.465	0.001589
11:25:18.351	-8	0.0006	0.00145	0.00665	16.252	0.001569
11:25:19.351	-8	0.00053	0.00135	0.00627	13.498	0.001304
11:25:20.351	-8	0.00049	0.00116	0.00403	11.789	0.001139
11:25:21.351	-8	0.00041	0.00092	0.00375	9.792	0.000946
11:25:22.351	-8	0.00053	0.0013	0.00487	12.924	0.001248

57.4	4.00E+00	3.400	1.300	2.886	1.104	33.900
54.5	3.80E+00	3.400	1.300	2.741	1.048	37.100
54.5	3.90E+00	3.500	1.500	2.732	1.170	38.200
55.1	4.00E+00	3.700	1.500	2.871	1.164	33.900
55.2	4.10E+00	3.700	1.600	2.890	1.248	35.000
57.4	4.20E+00	3.700	1.600	2.902	1.255	32.600
57.4	4.10E+00	3.700	1.500	2.892	1.174	35.400
58.7	4.10E+00	3.800	1.500	2.975	1.174	32.500
58.7	4.10E+00	3.700	1.500	2.896	1.174	34.900
59.2	4.10E+00	3.700	1.500	2.916	1.182	34.000
59.2	4.20E+00	3.700	1.500	2.954	1.198	35.900
58.3	4.20E+00	3.700	1.500	2.987	1.211	37.600
58.2	4.20E+00	3.700	1.500	2.993	1.214	37.400
56.7	4.20E+00	3.700	1.500	3.003	1.217	41.900
56.6	4.30E+00	3.700	1.500	3.044	1.234	41.300
53.5	4.30E+00	3.700	1.500	3.084	1.250	40.500
53.4	4.30E+00	3.700	1.500	3.035	1.230	37.600
49.5	4.00E+00	3.600	1.500	2.849	1.187	35.000
49.6	6.60E+00	6.600	1.800	5.175	1.400	35.600
53.7	1.38E+01	14.400	3.300	11.232	2.560	32.200
53.9	1.78E+01	18.500	4.300	14.448	3.356	33.700
60.2	1.79E+01	18.300	4.500	14.402	3.541	35.500
60.3	1.42E+01	13.400	4.500	10.615	3.556	35.700
63.2	1.12E+01	9.800	4.400	7.740	3.475	32.300
63.3	8.70E+00	7.300	3.700	5.788	2.933	29.900
64.8	7.40E+00	6.200	3.100	4.938	2.469	32.100
64.8	6.50E+00	5.400	2.700	4.319	2.160	29.000
64.1	6.00E+00	5.100	2.400	4.078	1.919	37.000
64.1	5.80E+00	5.000	2.300	3.952	1.819	34.500
62.8	5.60E+00	4.900	2.300	3.819	1.791	36.800
62.8	5.50E+00	4.800	2.200	3.746	1.719	33.700
63.1	5.40E+00	4.700	2.200	3.700	1.732	31.400
63.1	5.20E+00	4.600	2.000	3.598	1.565	32.900
62.7	4.80E+00	4.400	1.800	3.418	1.398	30.700
62.7	4.80E+00	4.400	1.800	3.414	1.397	33.600
62.6	4.60E+00	4.200	1.700	3.273	1.325	31.200
62.6	4.60E+00	4.200	1.700	3.285	1.330	32.500
62.4	4.20E+00	3.700	1.700	2.887	1.327	32.600
62.4	4.10E+00	3.600	1.700	2.796	1.320	32.400
61.7	4.00E+00	3.600	1.600	2.783	1.237	33.300
61.7	4.00E+00	3.600	1.600	2.778	1.235	30.300
61.3	4.00E+00	3.600	1.600	2.784	1.237	33.500
61.3	3.90E+00	3.500	1.500	2.719	1.166	31.000
62	3.90E+00	3.600	1.400	2.813	1.094	32.900
62	4.10E+00	3.800	1.400	2.971	1.095	32.100
62.9	4.20E+00	4.000	1.400	3.122	1.093	31.200
62.9	4.20E+00	4.000	1.400	3.114	1.090	34.400

195.4	40.04406	1425	52.78	49.8	373.700587	304.813043
195	66.48549	1428	52.78	99.6	382.44942	351.513696
194.6	88.90645	1450	53.41	98.3	395.364	410.115316
194.2	91.43351	1490	54.628	93.3	406.70239	462.86297
194.4	80.20256	1509	55.855	88.7	408.750731	479.3592
195.1	62.60782	1523	56.51	92.7	408.125625	478.770669
195.9	61.1818	1535	57.071	88	407.339697	481.719004
196.6	48.24885	1539	57.13	90.4	406.763878	474.184585
197.3	45.1464	1542	57.13	82	408.319823	475.251585
197.6	22.77567	1527	57.095	52.5	407.217328	453.637432
197.6	22.64149	1511	56.374	63.8	404.543992	429.666469
197.6	18.98557	1493	55.734	18.8	400.420437	411.592172
197.6	12.35328	1467	54.65	0	391.997688	387.809706
	12.04778	1438	53.477	0	384.843774	369.917391
	11.68115	1359	50.465	0	380.146923	355.372
	18.76358	1299	47.876	3	375.160694	343.508739
	58.76242	1569	47.82	98.5	371.509878	362.884391
	145.69207	2149	48.44	99.6	385.731638	437.313418
195.8	198.02327	2483	51.907	97.7	420.056154	529.690188
195.8	200.24692	2632	54.964	98	448.252315	593.979348
195.8	180.49647	2769	58.349	87.8	452.46717	612.6909
195.8	158.78869	2666	60.397	90.9	432.477721	599.633713
195.8	106.73064	2344	61.48	73.5	416.87	560.540174
196	96.97804	2023	62.567	80.8	417.438303	541.908889
196.3	64.46754	2026	62.72	76.4	429.724	522.626007
196.7	30.1261	1682	62.654	65.9	428.414629	500.181856
197.1	28.05744	1663	61.96	59.3	431.587599	479.50262
197.5	30.02471	1644	61.272	67.1	427.0616	466.711155
197.9	43.69592	1636	60.86	91.7	423.400626	466.8724
198.3	68.63969	1638	60.86	97	433.21875	490.850588
198.6	52.00375	1643	60.86	82.6	441.473859	507.223077
199	47.69346	1638	60.86	84.3	449.48	496.972932
199.4	48.7467	1630	60.39	98.9	436.632151	496.704
199.4	69.89992	1631	60.86	91.7	423.016956	510.377333
199.4	66.1268	1634	60.86	86.4	429.170713	518.284071
199.4	54.31943	1629	60.714	83.4	421.235806	515.787769
199.4	45.16301	1623	60.24	85.8	408.813846	505.013626
	44.83877	1612	59.926	88.4	411.582707	501.780313
	48.76974	1602	59.62	96.2	412.218045	503.917146
	60.89341	1598	59.62	90.9	413.128709	509.7248
	70.2388	1602	59.62	90.2	414.708652	520.93014
	86.48543	1618	59.62	91.9	417.295376	528.357498
201.3	104.98443	1628	60.24	92.1	413.854054	546.933441
201.7	84.10712	1642	60.86	86.7	415.203247	544.1099
202.1	74.36344	1643	60.86	85.9	439.375665	539.493808
202.5	63.72405	1642	60.86	94.4	443.5275	534.646037
202.9	78.62744	1648	60.86	95.9	451.393443	533.927965

1.25345	1.59544	10.1264	16170.677
1.25385	1.59663	10.14058	16177.934
1.25438	1.5982	10.16319	16191.507
1.25497	1.59969	10.17621	16206.852
1.25552	1.60108	10.1838	16219.98
1.25593	1.60205	10.1897	16229.46
1.25631	1.60305	10.19535	16238.744
1.25664	1.60383	10.1994	16246.442
1.25691	1.60453	10.20303	16252.98
1.2571	1.605	10.20492	16257.128
1.25725	1.6054	10.20623	16260.012
1.25738	1.60576	10.20764	16262.173
1.25747	1.60601	10.20885	16263.625
1.25755	1.60626	10.2099	16264.864
1.25763	1.60649	10.21053	16265.745
1.2578	1.60698	10.21132	16267.124
1.2582	1.60805	10.22057	16271.925
1.25933	1.61102	10.24663	16296.332
1.26139	1.61438	10.26344	16327.873
1.26573	1.61743	10.27431	16359.387
1.27031	1.62004	10.28431	16384.841
1.27427	1.6224	10.29294	16405.262
1.27671	1.62425	10.30176	16420.444
1.27839	1.62571	10.3097	16433.731
1.27916	1.62651	10.31419	16441.332
1.27951	1.62697	10.31663	16445.2
1.2798	1.62736	10.31892	16448.616
1.28009	1.6279	10.32165	16452.389
1.28054	1.62872	10.32607	16459.342
1.28114	1.62991	10.33108	16470.379
1.28163	1.63083	10.3344	16479.474
1.282	1.63148	10.33707	16485.82
1.28242	1.63229	10.34155	16493.87
1.28293	1.63327	10.34632	16504.932
1.28342	1.6343	10.35003	16515.749
1.28379	1.63506	10.35295	16523.984
1.28414	1.63579	10.35618	16531.326
1.28445	1.6365	10.3597	16538.583
1.28477	1.63727	10.36312	16546.833
1.28517	1.63827	10.36653	16557.736
1.28561	1.63927	10.37011	16569.855
1.28622	1.64079	10.37553	16586.32
1.28682	1.64224	10.38218	16602.572
1.28735	1.64359	10.38845	16616.07
1.28784	1.64475	10.39248	16627.859
1.28825	1.64567	10.39623	16637.651
1.28878	1.64697	10.4011	16650.575

11:25:23.351	-8	0.00057	0.00113	0.00527	14.366	0.001387
11:25:24.351	-8	0.00057	0.00125	0.00565	14.398	0.00139
11:25:25.351	-8	0.00058	0.00123	0.00623	14.647	0.001414
11:25:26.351	-8	0.00057	0.00134	0.00617	14.287	0.001379
11:25:27.351	-8	0.00058	0.00133	0.00626	14.434	0.001394
11:25:28.351	-8	0.0006	0.00135	0.00646	15.043	0.001452
11:25:29.351	-8	0.0007	0.00168	0.00747	17.348	0.001675
11:25:30.351	-8	0.00054	0.00117	0.00628	12.577	0.001215
11:25:31.351	-8	0.00063	0.00151	0.00812	15.762	0.001522
11:25:32.351	-8	0.00061	0.0013	0.00663	14.52	0.001402
11:25:33.351	-8	0.00051	0.00103	0.00658	12.17	0.001175
11:25:34.351	-8	0.00065	0.00126	0.00672	15.74	0.00152
11:25:35.351	-8	0.00052	0.00102	0.00553	12.118	0.00117
11:25:36.351	-8	0.00037	0.00079	0.00458	8.207	0.000793
11:25:37.351	-8	0.00035	0.00067	0.00458	7.702	0.000744
11:25:38.351	-8	0.00039	0.00084	0.00505	9.297	0.000898
11:25:39.351	-8	0.00045	0.00092	0.00435	11.365	0.001097
11:25:40.351	-8	0.00055	0.00119	0.00454	13.853	0.001337
11:25:41.351	-8	0.00047	0.00101	0.00438	11.394	0.0011
11:25:42.351	-8	0.0004	0.00081	0.00446	9.419	0.00091
11:25:43.351	-8	0.00043	0.00094	0.00482	10.381	0.001003
11:25:44.351	-8	0.00039	0.00075	0.00306	6.83	0.000661
11:25:45.351	-8	0.00026	0.00057	0.00117	3	0.000291
11:25:46.351	-8	0.00023	0.0005	0.00289	2.463	0.000239
11:25:47.351	-8	0.00029	0.00068	0.00492	4.212	0.000408
11:25:48.351	-8	0.00037	0.00088	0.00623	7.8	0.000755
11:25:49.351	-8	0.00037	0.00085	0.00512	8.192	0.000792
11:25:50.351	-8	0.00033	0.00078	0.00355	7.385	0.000714
11:25:51.351	-8	0.0003	0.00064	0.00317	6.738	0.000651
11:25:52.351	-8	0.00035	0.00085	0.00339	8.394	0.000811
11:25:53.351	-8	0.00036	0.00082	0.00391	9.093	0.000878
11:25:54.351	-8	0.0003	0.00069	0.00313	6.975	0.000674
11:25:55.351	-8	0.00031	0.00074	0.00262	6.824	0.000659
11:25:56.351	-8	0.00029	0.00067	0.00308	6.552	0.000633
11:25:57.351	-8	0.00031	0.00073	0.00288	7.078	0.000684
11:25:58.351	-8	0.00032	0.0007	0.00266	7.593	0.000733
11:25:59.351	-8	0.0003	0.00072	0.00215	7.089	0.000685
11:26:00.351	-8	0.0003	0.00067	0.00273	6.969	0.000673
11:26:01.351	-8	0.00032	0.00075	0.00416	7.674	0.000741
11:26:02.351	-8	0.00036	0.00085	0.00422	8.912	0.00086
11:26:03.351	-8	0.0003	0.00066	0.00288	7.257	0.000701
11:26:04.351	-8	0.00029	0.00068	0.00265	6.612	0.000639
11:26:05.351	-8	0.00034	0.00075	0.00388	7.98	0.000771
11:26:06.351	-8	0.00039	0.00095	0.00456	9.875	0.000953
11:26:07.351	-8	0.00036	0.00078	0.0035	8.57	0.000828
11:26:08.351	-8	0.00042	0.001	0.00497	10.38	0.001002
11:26:09.351	-8	0.00044	0.00108	0.0044	11.442	0.001105

62.9	4.20E+00	4.000	1.400	3.106	1.087	27.600
62.9	4.10E+00	3.900	1.400	3.033	1.089	29.900
63.5	4.10E+00	3.900	1.400	3.033	1.089	29.000
63.5	4.10E+00	3.900	1.400	3.037	1.090	32.000
64.3	4.10E+00	3.900	1.400	3.039	1.091	31.100
64.3	4.10E+00	3.900	1.400	3.036	1.090	30.700
65.1	4.10E+00	3.900	1.400	3.037	1.090	33.100
65.1	4.10E+00	3.900	1.400	3.054	1.096	30.000
66.1	4.10E+00	3.900	1.400	3.037	1.090	32.500
66.1	4.10E+00	3.900	1.400	3.048	1.094	29.300
66.9	4.20E+00	4.000	1.400	3.122	1.093	28.000
66.9	4.20E+00	4.000	1.400	3.116	1.091	27.100
67.7	4.20E+00	4.000	1.400	3.127	1.095	27.400
67.7	4.20E+00	4.000	1.400	3.142	1.100	29.800
68.5	4.20E+00	4.000	1.400	3.142	1.100	27.300
68.5	4.20E+00	4.000	1.400	3.121	1.092	30.000
68.1	4.20E+00	4.000	1.400	3.105	1.087	28.400
68.1	4.20E+00	4.000	1.400	3.105	1.087	30.200
68.7	4.20E+00	4.000	1.400	3.117	1.091	30.000
68.7	4.20E+00	4.000	1.400	3.129	1.095	27.900
69.9	4.10E+00	4.000	1.300	3.124	1.015	30.100
69.9	4.20E+00	4.000	1.300	3.206	1.042	27.000
70.1	4.30E+00	4.000	1.300	3.282	1.067	32.000
70.1	4.40E+00	4.000	1.300	3.298	1.072	31.100
68.9	4.20E+00	4.000	1.200	3.246	0.974	33.200
68.9	4.10E+00	3.900	1.300	3.088	1.029	32.200
68.5	4.20E+00	3.900	1.400	3.069	1.102	31.700
68.5	4.20E+00	3.900	1.400	3.068	1.101	32.400
68.5	4.20E+00	3.900	1.400	3.062	1.099	29.900
68.5	4.10E+00	3.900	1.400	3.046	1.093	33.400
68.4	4.10E+00	3.900	1.400	3.033	1.089	31.000
68.4	4.20E+00	3.900	1.500	3.054	1.174	31.900
68.5	4.20E+00	3.900	1.500	3.066	1.179	33.600
68.5	4.20E+00	3.900	1.500	3.063	1.178	31.900
68.5	4.20E+00	3.900	1.500	3.054	1.175	33.300
68.5	4.20E+00	3.900	1.500	3.047	1.172	30.600
68.1	4.20E+00	3.900	1.500	3.046	1.171	33.600
68.1	4.20E+00	3.900	1.500	3.052	1.174	31.400
68.1	4.20E+00	3.900	1.500	3.045	1.171	32.500
68.1	4.20E+00	3.900	1.500	3.033	1.167	32.900
68	4.20E+00	3.900	1.500	3.042	1.170	30.300
68	4.20E+00	3.900	1.500	3.055	1.175	33.100
68	4.20E+00	3.900	1.500	3.050	1.173	30.600
68	4.20E+00	3.900	1.500	3.027	1.164	33.700
68	4.20E+00	3.900	1.500	3.043	1.171	30.500
68	4.10E+00	3.800	1.500	2.959	1.168	32.900
68.4	4.00E+00	3.700	1.400	2.877	1.089	32.600

203	86.88375	1657	61.48	91.2	477.292486	543.772697
203	87.44771	1669	61.48	92.1	465.396731	545.186207
203	88.53782	1678	62.1	92.4	445.104231	547.40285
203	89.11798	1690	62.72	91.8	428.9471	547.405941
203.1	90.24391	1699	62.946	93.1	429.160728	548.754465
203.5	91.59192	1710	63.34	94.3	416.302312	549.2
203.9	105.52427	1720	63.824	89.7	432.799613	557.63929
204.3	83.72367	1731	63.96	88	469.62725	554.205945
204.7	96.30774	1740	64.58	92.7	469.640417	556.513514
204.8	90.1292	1747	64.788	84.1	472.172292	558.4953
204.8	76.19245	1756	65.2	94.6	469.017672	553.307549
204.8	97.78731	1771	65.404	95.2	469.132365	560.728125
204.8	74.82829	1776	65.83	80.3	487.847448	559.172065
204.8	63.39395	1777	66.122	70.1	481.802648	544.542871
204.5	48.93282	1770	65.83	92.7	473.441718	533.900291
204.1	57.73124	1772	65.83	92.4	468.915731	534.865
203.7	67.57226	1778	65.83	88.9	473.083544	539.977728
203.3	86.85921	1798	66.45	86	460.917014	547.742857
203	73.48333	1807	67.168	76	443.681923	547.829588
203	59.71337	1818	67.69	87.3	429.680806	540.457333
203	65.94242	1824	67.69	92.4	417.912188	539.746
203	65.24114	1820	67.69	50.1	441.229592	521.287255
203	43.02958	1801	67.075	29.6	427.821053	457.420801
202.7	33.14963	1789	66.45	55.6	425.455789	437.730945
202.4	43.43148	1779	65.83	81.9	423.601	436.365834
202	57.266	1780	66.057	92.5	427.774583	451.134615
201.6	47.39971	1784	66.45	76.9	441.3362	467.657689
201.2	48.97886	1782	66.45	85.5	438.646893	471.586304
200.8	42.42907	1777	65.83	84.4	442.223988	477.843
200.4	54.66388	1779	65.83	92	444.26	487.5186
200.1	60.99862	1784	66.45	84.9	448.532225	499.439125
199.7	35.85792	1782	66.45	81.8	436.64375	494.419802
199.4	48.06926	1778	65.83	83.3	428.745763	489.34013
199.4	42.49386	1775	65.83	85.6	428.745192	488.4214
199.4	44.62188	1776	65.83	86.8	429.260019	489.558559
199.4	47.89126	1775	65.83	84.8	426.666493	492.671176
199.4	48.37347	1771	66.146	86.7	419.888718	494.176739
199.4	44.10576	1768	65.83	88.2	429.2875	490.89733
199.4	47.17909	1768	65.83	89.9	433.868163	492.082253
199.4	54.8117	1771	65.83	90.4	434.743763	499.014486
199.4	46.89982	1770	65.83	89.4	446.146429	499.771739
199.4	37.6328	1770	66.23	87.6	447.111332	489.317096
	51.36743	1771	65.83	89.5	443.628889	490.370977
	61.83148	1775	65.83	86.5	447.813776	501.169118
	43.7536	1776	65.978	95.2	446.734375	502.941837
	64.6638	1781	65.991	91.4	448.757434	504.091897
	70.66878	1787	66.45	87.3	450.035918	514.626389

1.28935	1.6481	10.40637	16664.941
1.28992	1.64935	10.41202	16679.339
1.2905	1.65058	10.41825	16693.986
1.29107	1.65192	10.42442	16708.273
1.29165	1.65325	10.43068	16722.707
1.29225	1.6546	10.43714	16737.75
1.29295	1.65628	10.44461	16755.098
1.29349	1.65745	10.45089	16767.675
1.29412	1.65896	10.45901	16783.437
1.29473	1.66026	10.46564	16797.957
1.29524	1.66129	10.47222	16810.127
1.29589	1.66255	10.47894	16825.867
1.29641	1.66357	10.48447	16837.985
1.29678	1.66436	10.48905	16846.192
1.29713	1.66503	10.49363	16853.894
1.29752	1.66587	10.49868	16863.191
1.29797	1.66679	10.50303	16874.556
1.29852	1.66798	10.50757	16888.409
1.29899	1.66899	10.51195	16899.803
1.29939	1.6698	10.51641	16909.222
1.29982	1.67074	10.52123	16919.603
1.30021	1.67149	10.52429	16926.433
1.30047	1.67206	10.52546	16929.433
1.3007	1.67256	10.52835	16931.896
1.30099	1.67324	10.53327	16936.108
1.30136	1.67412	10.5395	16943.908
1.30173	1.67497	10.54462	16952.1
1.30206	1.67575	10.54817	16959.485
1.30236	1.67639	10.55134	16966.223
1.30271	1.67724	10.55473	16974.617
1.30307	1.67806	10.55864	16983.71
1.30337	1.67875	10.56177	16990.685
1.30368	1.67949	10.56439	16997.509
1.30397	1.68016	10.56747	17004.061
1.30428	1.68089	10.57035	17011.139
1.3046	1.68159	10.57301	17018.732
1.3049	1.68231	10.57516	17025.821
1.3052	1.68298	10.57789	17032.79
1.30552	1.68373	10.58205	17040.464
1.30588	1.68458	10.58627	17049.376
1.30618	1.68524	10.58915	17056.633
1.30647	1.68592	10.5918	17063.245
1.30681	1.68667	10.59568	17071.225
1.3072	1.68762	10.60024	17081.1
1.30756	1.6884	10.60374	17089.67
1.30798	1.6894	10.60871	17100.05
1.30842	1.69048	10.61311	17111.492

11:26:10.351	-8	0.0004	0.00096	0.00391	10.146	0.00098
11:26:11.351	-8	0.00034	0.00085	0.00333	8.114	0.000784
11:26:12.351	-8	0.00034	0.00078	0.00334	8.335	0.000805
11:26:13.351	-8	0.00033	0.00085	0.00316	8.343	0.000806
11:26:14.351	-8	0.00034	0.0008	0.00286	8.708	0.000841
11:26:15.351	-8	0.00037	0.00093	0.00313	9.534	0.00092
11:26:16.351	-8	0.00029	0.00074	0.0025	7.348	0.00071
11:26:17.351	-8	0.00028	0.00067	0.00283	6.73	0.00065
11:26:18.351	-8	0.00032	0.00087	0.00362	7.954	0.000768
11:26:19.351	-8	0.00034	0.001	0.00429	11.223	0.001083
11:26:20.351	-8	0.0004	0.00119	0.00324	12.527	0.001209
11:26:21.351	-8	0.0004	0.00104	0.00312	11.564	0.001116
11:26:22.351	-8	0.0003	0.00084	0.00169	8.241	0.000796
11:26:23.351	-8	0.00029	0.00077	0.00228	7.498	0.000724
11:26:24.351	-8	0.00034	0.00086	0.00346	9.394	0.000907
11:26:25.351	-8	0.0003	0.00081	0.00272	8.151	0.000787
11:26:26.351	-8	0.00029	0.00066	0.00259	7.346	0.00071
11:26:27.351	-8	0.00026	0.00066	0.00299	6.615	0.000639
11:26:28.351	-8	0.0003	0.00069	0.00319	7.771	0.000751
11:26:29.351	-8	0.00032	0.0008	0.00329	8.622	0.000833
11:26:30.351	-8	0.00026	0.00066	0.00268	6.975	0.000673
11:26:31.351	-8	0.00027	0.00069	0.00301	7.051	0.000681
11:26:32.351	-8	0.00027	0.00071	0.0036	6.941	0.000671
11:26:33.351	-8	0.00028	0.0007	0.00342	7.403	0.000715
11:26:34.351	-8	0.00033	0.00076	0.00308	7.612	0.000735
11:26:35.351	-8	0.00037	0.00076	0.003	8.396	0.000811
11:26:36.351	-8	0.00044	0.001	0.00284	9.963	0.000962
11:26:37.351	-8	0.00031	0.00069	0.00156	5.167	0.0005
11:26:38.351	-8	0.00034	0.00075	0.00322	5.932	0.000574
11:26:39.351	-8	0.00043	0.00107	0.00612	9.235	0.000893
11:26:40.351	-8	0.00047	0.00106	0.00571	11.258	0.001088
11:26:41.351	-8	0.00043	0.00104	0.00251	9.369	0.000905
11:26:42.351	-8	0.00025	0.00054	0.00047	3.645	0.000353
11:26:43.351	-8	0.00021	0.00049	0.00104	2.312	0.000224
11:26:44.351	-8	0.00019	0.00048	0.00249	2.096	0.000203
11:26:45.351	-8	0.00017	0.00045	0.00236	2.131	0.000207
11:26:46.351	-8	0.00014	0.00042	0.00167	1.728	0.000168
11:26:47.351	-8	0.0001	0.00027	0.00081	0.928	0.00009
11:26:48.351	-8	0.00008	0.00022	0.0005	0.477	0.000046
11:26:49.351	-8	0.00007	0.00018	0.00048	0.284	0.000028
11:26:50.351	-8	0.00007	0.00018	0.00056	0.201	0.00002
11:26:51.351	-8	0.00011	0.00027	0.00118	0.263	0.000026
11:26:52.351	-8	0.00014	0.00035	0.0017	0.496	0.000048
11:26:53.351	-8	0.00014	0.00039	0.00254	1.048	0.000102
11:26:54.351	-8	0.00015	0.00038	0.00316	2.059	0.0002
11:26:55.351	-8	0.00016	0.00043	0.00295	2.943	0.000285
11:26:56.351	-8	0.00017	0.00041	0.00239	3.096	0.0003

68.4	4.00E+00	3.700	1.400	2.887	1.093	31.500
68.8	4.00E+00	3.700	1.400	2.904	1.099	33.200
68.8	4.00E+00	3.700	1.400	2.898	1.096	30.000
68.8	4.00E+00	3.700	1.400	2.891	1.094	33.700
68.8	3.90E+00	3.600	1.400	2.808	1.092	31.000
68.7	3.90E+00	3.600	1.400	2.807	1.092	32.800
68.7	3.90E+00	3.600	1.400	2.816	1.095	32.800
68.4	3.90E+00	3.600	1.400	2.828	1.100	30.800
68.4	3.90E+00	3.600	1.400	2.816	1.095	35.500
68.1	3.30E+00	2.800	1.400	2.173	1.086	31.400
68.1	3.40E+00	3.000	1.400	2.326	1.086	33.400
68.4	3.50E+00	3.100	1.400	2.414	1.090	30.500
68.4	3.60E+00	3.200	1.400	2.505	1.096	32.800
69	3.60E+00	3.200	1.400	2.511	1.099	32.200
69	3.60E+00	3.200	1.400	2.499	1.093	30.300
69	3.70E+00	3.300	1.400	2.577	1.093	32.800
68.6	3.80E+00	3.400	1.400	2.665	1.098	28.500
68.4	3.80E+00	3.500	1.300	2.745	1.019	31.700
68.4	3.80E+00	3.500	1.300	2.736	1.016	29.200
67.9	3.70E+00	3.500	1.300	2.728	1.013	31.200
67.9	3.70E+00	3.500	1.300	2.729	1.014	31.900
67.7	3.80E+00	3.500	1.300	2.742	1.018	31.200
67.7	3.70E+00	3.500	1.200	2.743	0.940	32.600
67.2	3.70E+00	3.500	1.200	2.738	0.939	30.600
67.2	4.40E+00	4.400	1.200	3.433	0.936	33.200
66.7	4.40E+00	4.400	1.200	3.432	0.936	30.100
66.7	4.20E+00	4.200	1.200	3.293	0.940	31.900
66.6	4.30E+00	4.200	1.200	3.371	0.963	32.000
66.6	4.30E+00	4.200	1.200	3.364	0.961	31.300
65.7	4.20E+00	4.100	1.200	3.236	0.947	34.100
65.7	4.10E+00	4.000	1.200	3.130	0.939	30.500
65.9	4.00E+00	3.900	1.200	3.080	0.948	32.600
65.9	4.10E+00	3.900	1.200	3.165	0.974	30.300
66.2	4.10E+00	3.900	1.100	3.217	0.907	31.600
66.1	4.00E+00	3.700	1.100	3.054	0.908	33.500
64.9	3.90E+00	3.700	1.000	3.043	0.823	33.400
64.8	3.80E+00	3.600	1.000	2.966	0.824	37.400
63.4	3.80E+00	3.600	1.000	2.994	0.832	34.800
63.2	4.00E+00	3.700	1.000	3.117	0.843	34.400
59.2	3.90E+00	3.600	1.000	3.058	0.849	31.100
59	3.90E+00	3.600	1.000	3.067	0.852	32.100
54.7	3.90E+00	3.600	1.000	3.072	0.854	30.800
54.6	3.90E+00	3.600	1.000	3.060	0.850	31.500
52.6	3.80E+00	3.500	1.000	2.935	0.839	34.200
52.6	3.70E+00	3.500	1.000	2.871	0.820	30.400
52.2	3.70E+00	3.500	1.100	2.825	0.888	32.600
52.2	3.90E+00	3.500	1.400	2.805	1.122	32.500

199.4	67.7822	1794	66.45	77.7	449.811066	516.522059
199.4	49.18943	1790	66.45	85.5	452.130591	509.168449
199.4	53.81239	1788	66.45	86.5	451.541237	508.978838
199.4	56.50634	1787	66.45	88.7	460.392816	505.924306
199.4	52.62411	1784	66.45	98.4	451.428324	506.442546
199.4	63.87872	1786	66.45	88.9	454.2	508.91998
199.4	47.61443	1781	66.45	86	454.966667	504.854545
199.4	45.1948	1778	65.963	84.3	448.01029	497.425844
199.4	51.08685	1776	65.83	93.3	439.785283	499.816667
199.4	66.60796	1777	65.902	97	435.587547	511.785201
199.4	75.54967	1785	66.45	85.9	439.21238	521.725275
199.4	70.26115	1796	66.519	91.1	441.264779	523.345
199.4	57.49602	1796	66.916	90.9	431.301799	520.135788
199.4	46.51585	1788	66.45	88.1	431.410212	507.927907
199.5	60.32144	1786	66.45	90.9	429.013462	510.727273
199.9	56.48721	1786	66.45	77	430.645665	511.972527
200.2	42.26135	1781	66.247	90.3	430.514258	503.998795
200.6	42.73973	1772	65.83	88.3	429.54902	501.5
200.9	47.18725	1763	65.625	84.1	430.07529	498.782
	56.51662	1760	65.2	88.2	428.865703	504.811443
	42.33476	1758	65.2	75.8	432.513873	500.997059
	47.35653	1753	65.2	95.2	432.289093	496.282759
	44.62308	1746	65.018	87.1	430.469062	493.330102
	46.65565	1741	64.58	94.4	430.896698	497.072031
199.4	47.944	1738	64.58	87	433.353019	496.318812
199.4	50.06614	1737	64.58	89.1	427.884186	497.317143
199.4	72.18774	1731	64.58	79.3	428.599259	495.090588
199.4	47.65212	1722	63.96	53.2	427.076033	468.831282
199.4	51.97723	1713	63.34	76.6	429.566838	452.485607
	65.17209	1713	63.433	86.3	434.5608	469.077228
	71.82091	1724	63.96	80	439.606122	486.517292
	64.4622	1721	63.96	50.5	440.973529	487.936188
	46.16971	1718	63.87	33	432.266939	452.918898
	31.43488	1698	63.277	37.7	422.686221	420.230716
199.1	28.60886	1684	62.674	41.6	417.26129	401.272772
198.8	30.81331	1665	62.078	21.3	413.708669	386.876
198.4	22.18125	1636	60.711	2.4	405.042029	368.006299
198	16.29442	1581	58.469	0	391.587647	351.796196
197.6	12.74154	1512	56.24	0	390.94125	341.359056
197.6	12.11075	1452	54.089	0	393.956981	333.333297
197.6	11.78143	1402	52.221	0	389.867742	327.035847
197.6	15.86326	1383	51.54	2.1	387.748265	322.315251
197.6	25.03996	1368	50.92	39	387.164547	323.891517
197.6	25.17331	1362	50.361	57.5	388.312182	331.159519
197.2	25.44685	1360	50.823	68.6	388.466379	339.704554
196.8	27.40449	1356	50.3	68.6	389.739714	347.280588
196.5	27.31618	1353	50.3	47.8	398.8125	350.6

1.30882	1.69144	10.61702	17121.638
1.30916	1.69229	10.62035	17129.752
1.3095	1.69307	10.62369	17138.087
1.30983	1.69392	10.62685	17146.43
1.31017	1.69472	10.62971	17155.138
1.31054	1.69565	10.63284	17164.672
1.31083	1.69639	10.63534	17172.02
1.31111	1.69706	10.63817	17178.75
1.31143	1.69793	10.64179	17186.704
1.31177	1.69893	10.64608	17197.927
1.31217	1.70012	10.64932	17210.454
1.31257	1.70116	10.65244	17222.018
1.31287	1.702	10.65413	17230.259
1.31316	1.70277	10.65641	17237.757
1.3135	1.70363	10.65987	17247.151
1.3138	1.70444	10.66259	17255.302
1.31409	1.7051	10.66518	17262.648
1.31435	1.70576	10.66817	17269.263
1.31465	1.70645	10.67136	17277.034
1.31497	1.70725	10.67465	17285.656
1.31523	1.70791	10.67733	17292.631
1.3155	1.7086	10.68034	17299.682
1.31577	1.70931	10.68394	17306.623
1.31605	1.71001	10.68736	17314.026
1.31638	1.71077	10.69044	17321.638
1.31675	1.71153	10.69344	17330.034
1.31719	1.71253	10.69628	17339.997
1.3175	1.71322	10.69784	17345.164
1.31784	1.71397	10.70106	17351.096
1.31827	1.71504	10.70718	17360.331
1.31874	1.7161	10.71289	17371.589
1.31917	1.71714	10.7154	17380.958
1.31942	1.71768	10.71587	17384.603
1.31963	1.71817	10.71691	17386.915
1.31982	1.71865	10.7194	17389.011
1.31999	1.7191	10.72176	17391.142
1.32013	1.71952	10.72343	17392.87
1.32023	1.71979	10.72424	17393.798
1.32031	1.72001	10.72474	17394.275
1.32038	1.72019	10.72522	17394.559
1.32045	1.72037	10.72578	17394.76
1.32056	1.72064	10.72696	17395.023
1.3207	1.72099	10.72866	17395.519
1.32084	1.72138	10.7312	17396.567
1.32099	1.72176	10.73436	17398.626
1.32115	1.72219	10.73731	17401.569
1.32132	1.7226	10.7397	17404.665

11:26:57.351	-8	0.00014	0.00034	0.00153	2.63	0.000254
11:26:58.351	-8	0.00013	0.00032	0.00162	2.307	0.000223
11:26:59.351	-8	0.00013	0.00032	0.00168	2.055	0.000199
11:27:00.351	-8	0.00009	0.00025	0.00098	1.283	0.000124
11:27:01.351	-8	0.00007	0.0002	0.00058	0.848	0.000082
11:27:02.351	-8	0.00007	0.00018	0.0006	0.552	0.000054
11:27:03.351	-8	0.00006	0.00014	0.00069	0.36	0.000035
11:27:04.351	-8	0.00006	0.00014	0.00058	0.26	0.000025
11:27:05.351	-8	0.00006	0.00014	0.00067	0.199	0.000019
11:27:06.351	-8	0.00006	0.00013	0.0007	0.167	0.000016
11:27:07.351	-8	0.00006	0.00014	0.00048	0.138	0.000014
11:27:08.351	-8	0.00006	0.00012	0.00054	0.116	0.000011
11:27:09.351	-8	0.00006	0.00014	0.00061	0.108	0.000011
11:27:10.351	-8	0.00009	0.00019	0.00098	0.159	0.000016
11:27:11.351	-8.2	0.00019	0.00038	0.00314	0.599	0.000059
11:27:12.351	-9	0.00024	0.00054	0.00624	2.747	0.000267
11:27:13.351	-9	0.00015	0.00032	0.00415	3.164	0.000306
11:27:14.351	-9	0.00007	0.00016	0.00053	1.508	0.000146
11:27:15.351	-9	0.00006	0.00012	0.0006	1.133	0.00011
11:27:16.351	-9	0.00006	0.00013	0.0006	0.884	0.000086
11:27:17.351	-9	0.00005	0.00012	0.0005	0.659	0.000064
11:27:18.351	-9	0.00007	0.00017	0.00062	0.606	0.000059
11:27:19.351	-9	0.00009	0.0002	0.00087	0.45	0.000044
11:27:20.351	-9	0.00009	0.00021	0.00109	0.337	0.000033
11:27:21.351	-9	0.00009	0.00021	0.00133	0.345	0.000034
11:27:22.351	-9	0.00009	0.0002	0.00138	0.464	0.000045
11:27:23.351	-9	0.00009	0.00021	0.00158	0.649	0.000063
11:27:24.351	-9	0.00009	0.0002	0.00176	0.863	0.000084
11:27:25.351	-9	0.00009	0.0002	0.00166	0.996	0.000097
11:27:26.351	-9	0.00009	0.00021	0.00134	1.052	0.000102
11:27:27.351	-9	0.00009	0.0002	0.00122	1.073	0.000104
11:27:28.351	-9	0.00009	0.00022	0.0012	1.081	0.000105
11:27:29.351	-9	0.00009	0.00019	0.00128	1.089	0.000106
11:27:30.351	-9	0.00009	0.00021	0.00135	1.097	0.000106
11:27:31.351	-9	0.00009	0.0002	0.00134	1.1	0.000107
11:27:32.351	-9	0.00009	0.00021	0.00134	1.104	0.000107
11:27:33.351	-9	0.00009	0.00021	0.00122	1.105	0.000107
11:27:34.351	-9	0.00009	0.0002	0.00121	1.106	0.000107
11:27:35.351	-9	0.00009	0.00021	0.00128	1.105	0.000107
11:27:36.351	-9	0.00009	0.0002	0.00134	1.104	0.000107
11:27:37.351	-9	0.0001	0.00024	0.00148	1.224	0.000119
11:27:38.351	-9	0.0002	0.00048	0.0031	2.921	0.000283
11:27:39.351	-9	0.00036	0.0009	0.00779	6.812	0.00066
11:27:40.351	-9	0.00045	0.00115	0.00802	10.071	0.000974
11:27:41.351	-9	0.00052	0.00122	0.00753	11.491	0.001111
11:27:42.351	-9	0.0009	0.00128	0.00738	11.894	0.00115
11:27:43.351	-9	0.00099	0.00134	0.00815	13.998	0.001354

52	3.90E+00	3.500	1.400	2.808	1.123	31.500
52	3.90E+00	3.500	1.400	2.820	1.128	31.200
51.4	4.00E+00	3.500	1.400	2.834	1.133	32.700
51.4	3.90E+00	3.500	1.300	2.851	1.060	37.200
50.4	4.00E+00	3.500	1.300	2.885	1.072	34.800
50.3	4.00E+00	3.500	1.300	2.919	1.084	36.200
47	4.00E+00	3.500	1.200	2.944	1.010	31.900
46.8	3.90E+00	3.400	1.200	2.878	1.015	31.800
40.4	3.90E+00	3.400	1.200	2.888	1.019	31.900
40.2	4.00E+00	3.500	1.200	2.981	1.022	28.900
35	4.00E+00	3.500	1.200	2.987	1.024	29.600
34.8	4.00E+00	3.500	1.200	2.990	1.025	28.000
31.1	4.00E+00	3.500	1.200	2.991	1.026	30.600
31	4.00E+00	3.500	1.200	2.992	1.026	27.200
27.7	4.00E+00	3.500	1.200	2.974	1.020	27.400
27.7	3.90E+00	3.500	1.200	2.881	0.988	28.700
26.9	3.80E+00	3.500	1.300	2.784	1.034	26.300
26.9	3.80E+00	3.500	1.300	2.776	1.031	28.000
26.9	3.80E+00	3.500	1.300	2.801	1.040	26.600
26.7	3.90E+00	3.500	1.300	2.838	1.054	29.800
22.1	3.80E+00	3.500	1.100	2.877	0.906	28.500
21.8	3.80E+00	3.500	1.100	2.919	0.917	29.600
15.2	3.80E+00	3.500	1.000	2.950	0.843	28.900
14.9	3.80E+00	3.500	1.000	2.964	0.847	30.200
7.6	3.80E+00	3.500	1.000	2.963	0.847	31.400
7.2	3.80E+00	3.500	1.000	2.949	0.843	28.900
0	3.80E+00	3.500	1.000	2.926	0.837	30.200
0	3.80E+00	3.500	1.100	2.900	0.911	28.500
0	3.80E+00	3.500	1.100	2.884	0.906	29.000
0	3.80E+00	3.500	1.100	2.878	0.905	30.400
0	3.90E+00	3.600	1.200	2.956	0.986	29.200
0	3.90E+00	3.600	1.200	2.956	0.985	31.800
0	3.90E+00	3.600	1.200	2.956	0.985	28.000
0	3.90E+00	3.600	1.200	2.955	0.985	30.800
0	3.90E+00	3.600	1.200	2.954	0.985	29.100
0	3.90E+00	3.600	1.200	2.953	0.985	29.900
0	3.90E+00	3.600	1.200	2.954	0.985	31.100
0	3.90E+00	3.600	1.200	2.954	0.985	28.900
0	3.90E+00	3.500	1.200	2.872	0.985	31.000
0	3.90E+00	3.500	1.200	2.872	0.985	29.500
0	3.90E+00	3.500	1.200	2.872	0.985	31.300
0	3.80E+00	3.500	1.200	2.853	0.978	30.200
0.9	3.80E+00	3.500	1.200	2.808	0.963	31.200
0.9	3.70E+00	3.500	1.200	2.776	0.952	31.200
1.3	3.70E+00	3.500	1.200	2.778	0.952	28.900
9.4	6.20E+00	6.600	1.200	5.273	0.952	29.300
15.5	6.00E+00	6.500	1.100	5.151	0.872	27.000

196.1	20.95526	1348	50.3	50.7	406.657322	349.594022
195.8	21.24918	1335	49.57	43.2	403.924151	345.665507
195.8	20.10547	1324	49.06	5.4	409.070481	334.899335
195.8	15.23373	1307	48.44	0.3	405.690096	322.204187
195.8	10.96111	1268	46.9	0	415.042625	312.318182
195.8	10.16251	1200	44.371	0	404.896837	305.513956
195.6	9.45459	1106	40.926	2.1	407.397689	299.22118
195.3	9.43279	1177	37.691	3.2	409.166632	293.798538
194.9	9.60407	1140	35.069	0.4	394.762625	289.313187
194.5	9.72085	1199	32.819	0.2	380.350826	284.709792
194.1	10.06745	1221	31.006	0	380.350891	280.540279
194	9.61501	1159	29.042	0	358.443421	276.464348
194	9.17857	1108	27.731	1.8	356.29898	273.151449
194	10.05291	1238	25.848	13.8	354.503021	269.475874
194	26.39723	1219	25.46	80.6	340.986873	277.077625
194	45.08466	1242	26.08	88.9	361.48375	303.941042
	25.43278	1248	26.08	50.4	373.260964	320.488639
	11.35165	1214	25.663	5.3	371.138374	313.788802
	9.96173	1111	23.368	0.1	363.828788	303.789184
	9.6913	1106	19.855	0	361.879096	295.278824
	9.17616	1092	16.819	0	356.08	287.49911
194	8.86153	987	13.51	10.4	351.128538	280.978827
194	16.24666	863	10.027	16.7	369.717562	274.664356
194	14.31053	785	6.21	27.5	374.018947	269.727645
194	14.58152	787	2.326	34.3	390.541452	268.8
	15.22192	795	0.558	40.2	404.616855	271.080782
	14.74664	782	0	39.2	401.454717	272.604163
	14.72769	780	0	39.2	399.752166	273.970809
	14.61275	777	0	39.2	401.605498	274.710612
	14.63201	779	0	39.4	401.946821	274.8
194	14.61792	778	0	40	398.705114	275.468364
194	14.69849	779	0	40.7	396.623719	276.174359
194	14.66	779	0	40.3	395.201351	276.3
194	14.6998	780	0	40	395.299016	275.727972
194	14.68252	780	0	40	401.121907	275.6
194	14.507	778	0	40.2	390.063972	274.826986
194	14.62898	780	0	40.2	395.220757	274.8
194	14.62184	782	0	40	380.094681	273.505444
194	14.52684	779	0	40	369.82069	274.117602
194	14.62266	780	0	39.8	358.327216	273.364118
194	14.70185	820	0	47.4	349.585302	273.186957
194	25.08211	1222	1.253	77.9	349.515951	279.474829
194	60.9822	1770	5.586	79.3	358.673529	302.496285
194	77.43302	2132	9.244	73.9	364.320951	335.992291
194	89.35642	2072	12.127	75.6	372.006387	356.820352
193.7	91.69592	2142	15.492	67.2	382.313968	376.976068
193.3	99.28331	2225	17.932	79	384.705092	393.71413

1.32146	1.72294	10.74123	17407.295
1.32159	1.72326	10.74285	17409.602
1.32172	1.72358	10.74453	17411.657
1.32181	1.72383	10.74551	17412.94
1.32188	1.72403	10.74609	17413.788
1.32195	1.72421	10.74669	17414.34
1.32201	1.72435	10.74738	17414.7
1.32207	1.72449	10.74796	17414.96
1.32213	1.72463	10.74863	17415.159
1.32219	1.72476	10.74933	17415.326
1.32225	1.7249	10.74981	17415.464
1.32231	1.72502	10.75035	17415.58
1.32237	1.72516	10.75096	17415.688
1.32246	1.72535	10.75194	17415.847
1.32265	1.72573	10.75508	17416.446
1.32289	1.72627	10.76132	17419.193
1.32304	1.72659	10.76547	17422.357
1.32311	1.72675	10.766	17423.865
1.32317	1.72687	10.7666	17424.998
1.32323	1.727	10.7672	17425.882
1.32328	1.72712	10.7677	17426.541
1.32335	1.72729	10.76832	17427.147
1.32344	1.72749	10.76919	17427.597
1.32353	1.7277	10.77028	17427.934
1.32362	1.72791	10.77161	17428.279
1.32371	1.72811	10.77299	17428.743
1.3238	1.72832	10.77457	17429.392
1.32389	1.72852	10.77633	17430.255
1.32398	1.72872	10.77799	17431.251
1.32407	1.72893	10.77933	17432.303
1.32416	1.72913	10.78055	17433.376
1.32425	1.72935	10.78175	17434.457
1.32434	1.72954	10.78303	17435.546
1.32443	1.72975	10.78438	17436.643
1.32452	1.72995	10.78572	17437.743
1.32461	1.73016	10.78706	17438.847
1.3247	1.73037	10.78828	17439.952
1.32479	1.73057	10.78949	17441.058
1.32488	1.73078	10.79077	17442.163
1.32497	1.73098	10.79211	17443.267
1.32507	1.73122	10.79359	17444.491
1.32527	1.7317	10.79669	17447.412
1.32563	1.7326	10.80448	17454.224
1.32608	1.73375	10.8125	17464.295
1.3266	1.73497	10.82003	17475.786
1.3275	1.73625	10.82741	17487.68
1.32849	1.73759	10.83556	17501.678

11:27:44.351	-9	0.00105	0.00175	0.00891	17.462	0.001688
11:27:45.351	-9	0.00107	0.00165	0.00834	18.654	0.001803
11:27:46.351	-9	0.00091	0.00149	0.00708	16.428	0.001587
11:27:47.351	-9	0.00083	0.00143	0.00837	15.282	0.001477
11:27:48.351	-9	0.00103	0.00167	0.0122	20.95	0.002024
11:27:49.351	-9	0.00103	0.00182	0.01079	20.859	0.002015
11:27:50.351	-9	0.00107	0.00158	0.01017	17.602	0.001702
11:27:51.351	-9	0.00066	0.00101	0.00204	6.829	0.000661
11:27:52.351	-9	0.00025	0.00038	0.00089	1.358	0.000132
11:27:53.351	-9	0.00017	0.00029	0.00084	0.505	0.000049
11:27:54.351	-9	0.00011	0.00022	0.0008	0.296	0.000029
11:27:55.351	-9	0.00015	0.00027	0.00143	0.38	0.000037
11:27:56.351	-9	0.00019	0.00033	0.00202	0.694	0.000068
11:27:57.351	-9	0.00022	0.00035	0.00466	1.975	0.000192
11:27:58.351	-9	0.00023	0.00046	0.00424	3.736	0.000362
11:27:59.351	-9	0.00027	0.00056	0.00381	5.554	0.000537
11:28:00.351	-9	0.0003	0.0006	0.00327	7.104	0.000686
11:28:01.351	-9	0.00033	0.00067	0.00232	8.114	0.000784
11:28:02.351	-9	0.00027	0.00049	0.00159	5.533	0.000535
11:28:03.351	-9	0.00018	0.00038	0.00084	2.716	0.000263
11:28:04.351	-9	0.00014	0.00028	0.00138	1.697	0.000164
11:28:05.351	-9	0.00012	0.00027	0.00159	1.469	0.000142
11:28:06.351	-9	0.00012	0.00027	0.00147	1.581	0.000153
11:28:07.351	-9	0.00012	0.00027	0.00128	1.262	0.000122
11:28:08.351	-9	0.00011	0.00025	0.00192	1.314	0.000128
11:28:09.351	-9	0.00009	0.0002	0.00134	1.229	0.000119
11:28:10.351	-9	0.00007	0.00018	0.00079	1.001	0.000097
11:28:11.351	-9	0.00007	0.00014	0.00072	0.784	0.000076
11:28:12.351	-9	0.00006	0.00013	0.00064	0.564	0.000055
11:28:13.351	-9	0.00006	0.0001	0.0005	0.386	0.000037
11:28:14.351	-9	0.00005	0.0001	0.00069	0.26	0.000025
11:28:15.351	-9	0.00005	0.0001	0.00082	0.187	0.000018
11:28:16.351	-9	0.00008	0.00015	0.00131	0.226	0.000022
11:28:17.351	-9	0.00009	0.00019	0.00143	0.219	0.000021
11:28:18.351	-9	0.00008	0.00016	0.00134	0.238	0.000023
11:28:19.351	-9	0.00008	0.00018	0.00132	0.409	0.00004
11:28:20.351	-9	0.00008	0.00018	0.00177	0.576	0.000056
11:28:21.351	-9	0.00008	0.00016	0.00153	0.721	0.00007
11:28:22.351	-9	0.00008	0.00018	0.00165	0.856	0.000083
11:28:23.351	-9	0.00008	0.00017	0.00151	0.977	0.000095
11:28:24.351	-9	0.00008	0.00019	0.00124	1.07	0.000104
11:28:25.351	-9	0.00009	0.00019	0.00113	1.163	0.000113
11:28:26.351	-9	0.00008	0.0002	0.00108	1.108	0.000107
11:28:27.351	-9	0.00008	0.00019	0.00139	1.109	0.000108
11:28:28.351	-9	0.00008	0.00018	0.00136	1.122	0.000109
11:28:29.351	-9	0.00008	0.0002	0.00132	1.114	0.000108
11:28:30.351	-9	0.00008	0.00018	0.00131	1.111	0.000108

15.7	5.30E+00	5.600	1.100	4.418	0.868	29.200
21.3	5.10E+00	5.300	1.200	4.173	0.945	26.400
21.6	5.00E+00	5.200	1.200	4.089	0.944	27.500
28.7	5.00E+00	5.200	1.200	4.080	0.942	28.800
28.9	4.80E+00	5.000	1.200	3.903	0.937	25.900
34.6	4.80E+00	4.900	1.200	3.830	0.938	28.000
34.9	5.20E+00	5.400	1.200	4.260	0.949	25.600
41.3	5.60E+00	5.700	1.200	4.631	0.975	28.700
41.4	5.70E+00	5.600	1.200	4.676	1.002	28.200
43.3	5.40E+00	5.200	1.200	4.402	1.015	31.400
43.2	4.70E+00	4.400	1.100	3.738	0.935	31.600
41.5	4.60E+00	4.300	1.100	3.655	0.935	26.900
41.4	4.60E+00	4.300	1.100	3.636	0.930	26.100
40.2	4.30E+00	4.100	1.100	3.395	0.910	23.000
40.2	4.00E+00	3.600	1.300	2.906	1.048	26.400
40.2	4.00E+00	3.500	1.500	2.777	1.190	27.200
40.2	3.80E+00	3.300	1.600	2.592	1.257	25.500
41.1	3.80E+00	3.200	1.600	2.508	1.254	25.500
41.2	3.80E+00	3.200	1.600	2.548	1.274	23.300
42.6	3.90E+00	3.200	1.600	2.599	1.299	27.200
42.6	3.90E+00	3.200	1.500	2.631	1.233	25.100
42.1	3.80E+00	3.200	1.400	2.632	1.151	28.200
42.1	3.70E+00	3.200	1.300	2.622	1.065	27.900
41.3	3.80E+00	3.300	1.300	2.730	1.076	28.200
41.3	3.80E+00	3.300	1.300	2.720	1.072	28.100
40.6	3.80E+00	3.300	1.300	2.705	1.066	27.300
40.6	3.80E+00	3.300	1.300	2.702	1.065	30.000
39.5	3.80E+00	3.300	1.300	2.718	1.071	26.500
39.4	3.80E+00	3.300	1.300	2.743	1.080	26.900
36.4	3.80E+00	3.300	1.200	2.771	1.010	22.300
36.2	3.80E+00	3.300	1.200	2.790	1.015	23.100
31	3.70E+00	3.100	1.200	2.634	1.019	23.200
30.6	3.70E+00	3.100	1.200	2.640	1.022	23.500
21.2	3.70E+00	3.100	1.200	2.643	1.023	26.000
21.2	3.70E+00	3.100	1.200	2.640	1.022	23.000
20.6	3.60E+00	3.100	1.200	2.621	1.014	26.200
7.5	3.60E+00	3.100	1.200	2.603	1.008	25.700
3	3.70E+00	3.200	1.200	2.669	1.001	23.700
3	3.60E+00	3.200	1.200	2.655	0.995	26.000
2	3.60E+00	3.200	1.200	2.640	0.990	25.500
1.9	3.60E+00	3.200	1.200	2.631	0.987	28.200
0	3.60E+00	3.200	1.200	2.628	0.985	26.800
0	3.70E+00	3.300	1.200	2.709	0.985	28.700
0	3.70E+00	3.300	1.200	2.707	0.984	27.800
0	3.70E+00	3.300	1.200	2.706	0.984	27.000
0	3.70E+00	3.300	1.200	2.708	0.985	30.000
0	3.70E+00	3.200	1.300	2.626	1.067	26.900

192.9	122.88945	2431	21.301	82.4	393.586804	421.202857
192.5	129.64925	2556	25.196	82	400.140807	444.955484
192.2	116.21646	2248	28.488	84.7	390.855283	461.619012
192.6	111.0425	2067	31.516	78	393.891214	469.844908
193	127.95137	1970	34.501	96.5	395.444359	485.27619
193.3	142.45425	2153	37.778	90.9	399.889375	505.906432
193.7	130.84805	2312	40.851	88.5	394.162558	511.589071
194.1	80.63281	2243	42.194	30.4	386.925849	473.399706
194.4	42.03944	1773	41.61	0	368.751376	412.271214
194.8	17.85292	1597	40.774	0	349.932143	374.279355
195.2	14.12537	1566	39.74	2.5	344.458333	354.102217
195.5	13.28681	1545	39.12	15.9	344.323034	340.457517
195.8	27.7813	1525	38.5	41.3	343.503315	332.954335
195.8	35.26244	1524	38.5	69.3	342.231731	341.186248
195.8	36.916	1534	38.851	78.5	343.307418	354.338778
195.8	40.01172	1550	39.143	81.4	346.81875	364.958288
195.8	48.6168	1571	39.87	81.1	354.088571	383.797645
195.8	50.44429	1599	40.499	82.3	363.380435	400.765435
195.8	48.5616	1615	40.99	49.8	366.665281	399.007592
195.8	30.42892	1417	40.769	35	356.222453	375.275102
195.8	22.45937	1318	40.37	41	352.286154	360.349007
195.8	18.54544	1302	40.37	20.2	347.667735	348.532617
195.8	18.96735	1290	39.74	35.2	340.441548	335.745776
195.8	20.80028	1280	39.458	44.3	335.870665	328.934884
195.8	20.24535	1266	39.12	30.7	334.819084	325.201155
195.8	15.16168	1254	38.5	2.1	334.179466	315.399348
195.8	10.73951	1223	37.775	0	334.902399	305.630109
195.8	10.0863	1175	36.421	0	336.457803	297.336825
195.8	9.57624	1119	34.366	0	335.219231	290.252695
195.8	10.29459	1233	31.662	0	339.753342	285.022503
195.8	9.72816	1135	28.846	0.6	333.128947	279.856692
195.6	9.0534	1053	24.397	1.2	328.160941	275.395205
195.2	12.12387	909	18.191	11.1	327.776687	271.332356
194.9	14.874	804	10.926	21.3	327.869772	267.964681
194.5	14.49	778	5.631	32.7	320.945	266.79868
194.1	14.71138	810	3.11	37.7	318.185378	268.237624
194	14.81718	792	2.48	38.1	319.462241	269.878641
194	14.50645	780	1.86	40.5	322.096319	272.370386
194	14.40419	780	1.682	41.3	313.34	274.649147
194	14.32017	778	0.971	40.9	310.89814	276.73663
194	14.49657	781	0	40	317.729089	277.6
194.4	15.75746	867	0	42.9	320.51	278.39667
194.7	14.52489	788	0	38.4	319.855707	279
195.1	14.40771	778	0	39.6	318.146768	278.629328
195.5	14.18953	778	0	39.6	318.832645	278.3
195.8	14.41769	780	0	38.8	319.763158	277.906064
195.4	14.26272	779	0	39.4	327.323558	277.215452

1.32954	1.73934	10.84447	17519.14
1.33061	1.74099	10.85281	17537.794
1.33152	1.74248	10.85989	17554.222
1.33235	1.74391	10.86826	17569.504
1.33338	1.74558	10.88046	17590.454
1.33441	1.7474	10.89125	17611.313
1.33548	1.74898	10.90142	17628.915
1.33614	1.74999	10.90346	17635.744
1.33639	1.75037	10.90435	17637.102
1.33656	1.75066	10.90519	17637.607
1.33667	1.75088	10.90599	17637.903
1.33682	1.75115	10.90742	17638.283
1.33701	1.75148	10.90944	17638.977
1.33723	1.75183	10.9141	17640.952
1.33746	1.75229	10.91834	17644.688
1.33773	1.75285	10.92215	17650.242
1.33803	1.75345	10.92542	17657.346
1.33836	1.75412	10.92774	17665.46
1.33863	1.75461	10.92933	17670.993
1.33881	1.75499	10.93017	17673.709
1.33895	1.75527	10.93155	17675.406
1.33907	1.75554	10.93314	17676.875
1.33919	1.75581	10.93461	17678.456
1.33931	1.75608	10.93589	17679.718
1.33942	1.75633	10.93781	17681.032
1.33951	1.75653	10.93915	17682.261
1.33958	1.75671	10.93994	17683.262
1.33965	1.75685	10.94066	17684.046
1.33971	1.75698	10.9413	17684.61
1.33977	1.75708	10.9418	17684.996
1.33982	1.75718	10.94249	17685.256
1.33987	1.75728	10.94331	17685.443
1.33995	1.75743	10.94462	17685.669
1.34004	1.75762	10.94605	17685.888
1.34012	1.75778	10.94739	17686.126
1.3402	1.75796	10.94871	17686.535
1.34028	1.75814	10.95048	17687.111
1.34036	1.7583	10.95201	17687.832
1.34044	1.75848	10.95366	17688.688
1.34052	1.75865	10.95517	17689.665
1.3406	1.75884	10.95641	17690.735
1.34069	1.75903	10.95754	17691.898
1.34077	1.75923	10.95862	17693.006
1.34085	1.75942	10.96001	17694.115
1.34093	1.7596	10.96137	17695.237
1.34101	1.7598	10.96269	17696.351
1.34109	1.75998	10.964	17697.462

11:28:31.351	-9	0.00009	0.0002	0.00132	1.107	0.000107
11:28:32.351	-9	0.00009	0.00018	0.00132	1.11	0.000108
11:28:33.351	-9	0.00008	0.0002	0.00131	1.101	0.000107
11:28:34.351	-9	0.00008	0.00019	0.00131	1.098	0.000106
11:28:35.351	-9	0.00009	0.00018	0.00132	1.101	0.000107
11:28:36.351	-9	0.00008	0.00018	0.00136	1.078	0.000105
11:28:37.351	-9	0.00008	0.00018	0.00144	1.079	0.000105
11:28:38.351	-9	0.00009	0.0002	0.00145	1.086	0.000105
11:28:39.351	-9	0.00008	0.00018	0.00144	1.081	0.000105
11:28:40.351	-9	0.00008	0.00019	0.00144	1.081	0.000105
11:28:41.351	-9	0.00009	0.00019	0.00145	1.085	0.000105
11:28:42.351	-9	0.00008	0.00018	0.00144	1.079	0.000105
11:28:43.351	-9	0.00009	0.00019	0.00143	1.072	0.000104
11:28:44.351	-9	0.00009	0.00018	0.00145	1.082	0.000105
11:28:45.351	-9	0.00009	0.0002	0.00144	1.081	0.000105
11:28:46.351	-9	0.00009	0.00018	0.00144	1.081	0.000105
11:28:47.351	-9	0.00009	0.00019	0.00145	1.085	0.000105
11:28:48.351	-9	0.00009	0.00019	0.00145	1.084	0.000105
11:28:49.351	-9	0.00009	0.00018	0.00144	1.079	0.000105
11:28:50.351	-9	0.00009	0.0002	0.00143	1.072	0.000104
11:28:51.351	-9	0.00009	0.00018	0.00143	1.074	0.000104
11:28:52.351	-9	0.00009	0.0002	0.00144	1.077	0.000104
11:28:53.351	-9	0.00009	0.00018	0.00145	1.086	0.000105
11:28:54.351	-9	0.00009	0.0002	0.0014	1.087	0.000105
11:28:55.351	-9	0.00009	0.00019	0.00131	1.086	0.000105
11:28:56.351	-9	0.00009	0.00018	0.00132	1.091	0.000106
11:28:57.351	-9	0.0001	0.0002	0.0014	1.16	0.000112
11:28:58.351	-9	0.0001	0.00021	0.00162	1.256	0.000122
11:28:59.351	-9	0.0001	0.00021	0.00154	1.24	0.00012
11:29:00.351	-9	0.00009	0.00017	0.0013	1.18	0.000114
11:29:01.351	-9	0.00009	0.00018	0.00116	1.176	0.000114
11:29:02.351	-9	0.0001	0.00019	0.00124	1.217	0.000118
11:29:03.351	-9	0.00011	0.00022	0.00151	1.266	0.000123
11:29:04.351	-9	0.00012	0.00025	0.00182	1.363	0.000132
11:29:05.351	-9	0.00019	0.00037	0.00337	2.425	0.000235
11:29:06.351	-9	0.00026	0.00059	0.00475	4.832	0.000468
11:29:07.351	-9	0.00029	0.00057	0.00391	5.685	0.00055
11:29:08.351	-9	0.00032	0.00063	0.0036	6.7	0.000648
11:29:09.351	-9	0.00033	0.00067	0.00299	7.253	0.000701
11:29:10.351	-9	0.00034	0.00065	0.00387	7.67	0.000741
11:29:11.351	-9	0.00042	0.00087	0.0051	9.997	0.000966
11:29:12.351	-9	0.00051	0.00094	0.00535	12.699	0.001227
11:29:13.351	-9	0.00048	0.00103	0.00436	11.326	0.001094
11:29:14.351	-9	0.00038	0.00071	0.00436	8.822	0.000853
11:29:15.351	-9	0.00028	0.00057	0.00365	6.636	0.000641
11:29:16.351	-9	0.00027	0.00052	0.00324	6.271	0.000606
11:29:17.351	-9	0.00026	0.00049	0.00298	6.152	0.000594

0	3.80E+00	3.300	1.300	2.709	1.067	30.000	195	14.27335	779	0	39.9	332.34027	277
0	3.80E+00	3.300	1.300	2.709	1.067	26.600	194.6	14.35683	786	0	38.9	331.203279	276.3
0	3.80E+00	3.300	1.300	2.709	1.067	29.500	194.2	14.32008	778	0	38.2	325.6703	275.532948
0	3.80E+00	3.300	1.300	2.709	1.067	27.500	194	14.40201	779	0	38.4	327.592171	274.737793
0	3.80E+00	3.300	1.300	2.709	1.067	26.900	194	14.35531	793	0	38.4	328.928119	273.483108
0	3.70E+00	3.200	1.300	2.629	1.068	27.300	194	14.28503	777	0	38.6	329.554242	272.807432
0	3.80E+00	3.300	1.300	2.711	1.068	27.100	194	14.29306	778	0	38.6	322.30051	272.03534
0	3.80E+00	3.300	1.300	2.711	1.068	29.300	194	14.3217	779	0	38.7	321.203266	271.43837
0	3.80E+00	3.300	1.300	2.711	1.068	26.300	194	14.31898	780	0	38.5	314.066541	270.676154
0	3.80E+00	3.300	1.300	2.711	1.068	28.800	194	14.42147	780	0	38.7	312.311667	269.9494
0	3.80E+00	3.300	1.300	2.711	1.068	27.500	194	14.34231	779	0	38.5	311.705509	269.0617
0	3.80E+00	3.300	1.300	2.711	1.068	26.800	194	14.29525	781	0	38.8	311.433992	268
0	3.90E+00	3.400	1.300	2.793	1.068	28.900		14.37348	778	0	38.5	317.100189	267.335115
0	3.90E+00	3.500	1.300	2.873	1.068	26.000		14.2003	777	0	38.8	315.290265	266.7
0	3.90E+00	3.500	1.300	2.875	1.068	29.500		14.28145	779	0	38.8	313.962712	266.328039
0	3.90E+00	3.500	1.300	2.875	1.068	26.400		14.34743	779	0	38.8	313.331111	266
0	3.90E+00	3.400	1.300	2.794	1.068	28.600		14.37555	781	0	39.2	314.24322	265.250938
0	3.90E+00	3.400	1.300	2.793	1.068	27.300	194	14.39852	779	0	38.8	313.249618	264.6
0	3.90E+00	3.500	1.300	2.875	1.068	27.100	194	14.21751	781	0	39.2	314.730505	263.863804
0	3.90E+00	3.500	1.300	2.875	1.068	29.700	194	14.32173	776	0	38.8	319.379398	262.847147
0	3.90E+00	3.500	1.300	2.875	1.068	26.400	194	14.30771	778	0	39.1	337.303525	262.6
0	3.90E+00	3.500	1.300	2.875	1.068	29.100	194	14.22137	780	0	39.1	330.275519	261.824401
0	3.90E+00	3.500	1.300	2.875	1.068	27.100		14.36	778	0	38.6	330.262041	261.216216
0	3.90E+00	3.500	1.300	2.875	1.068	29.300		14.32823	779	0	38.8	331.120747	261.2
0	3.90E+00	3.500	1.300	2.875	1.068	28.100		14.35678	778	0	39	331.412181	259.888363
0	3.90E+00	3.500	1.300	2.875	1.068	27.000		14.21352	779	0	39.6	330.956432	259.8
0	4.00E+00	3.600	1.300	2.957	1.068	27.500		14.17523	780	0	43	331.129559	259.137649
0	4.00E+00	3.600	1.300	2.955	1.067	26.300	194	16.5889	900	0.531	46.7	324.300606	259.819291
0.6	4.10E+00	3.700	1.300	3.034	1.067	28.100	194	16.42661	882	1.776	42.8	324.944286	260.490769
0.7	4.10E+00	3.700	1.300	3.030	1.064	24.200	194	14.11733	797	2.51	37	317.76375	259.651011
3	4.20E+00	3.700	1.400	3.024	1.144	26.900	194	13.67948	756	3.11	36.6	308.679167	258.038629
3	4.20E+00	3.700	1.400	3.029	1.146	27.100	194	15.5644	778	3.11	35.3	297.584487	256.250183
3.6	4.20E+00	3.700	1.400	3.038	1.150	27.500	194	15.81834	798	3.11	34.5	311.475	254.646222
3.6	4.20E+00	3.700	1.400	3.042	1.151	28.400	194	17.82673	1071	3.824	52.1	318.32	255.422857
4.3	4.20E+00	3.700	1.400	3.026	1.145	26.500	194	29.47705	1469	5.603	78	334.103077	263.463896
4.5	4.00E+00	3.600	1.400	2.884	1.122	29.500	194	44.18539	1818	7.935	71.7	327.976667	285.177149
8.1	4.00E+00	3.600	1.400	2.866	1.115	26.300	194	43.94847	1672	10.544	75.9	325.333509	301.384222
8.3	4.00E+00	3.600	1.400	2.854	1.110	26.200	194	47.72667	1824	13.179	82.7	326.231053	317.857409
12.9	4.00E+00	3.600	1.400	2.847	1.107	26.500	194	49.75	1859	15.371	81.1	331.811677	333.550115
13.1	3.90E+00	3.600	1.400	2.839	1.104	24.800	194	52.33381	1855	17.674	82.6	334.094664	346.050305
17.7	3.90E+00	3.600	1.400	2.826	1.099	26.900	194	61.4605	1975	20.063	87	333.86	364.813793
17.9	3.90E+00	3.600	1.400	2.816	1.095	23.800	194	82.82208	2184	22.792	84.2	332.309623	389.222633
22.7	3.90E+00	3.600	1.400	2.829	1.100	27.700	194	80.33611	2111	25.221	81.8	333.864717	404.265282
22.9	3.90E+00	3.500	1.400	2.756	1.102	24.000	194	59.50622	1925	27.766	81.4	331.732432	408.411429
28.2	3.90E+00	3.500	1.400	2.757	1.103	25.800	194	46.91183	1681	29.384	80.2	330.10283	411.971853
28.3	3.90E+00	3.500	1.400	2.756	1.102	24.800	194.1	40.50328	1714	30.618	85.1	330.484709	408.024556
31.6	3.90E+00	3.500	1.400	2.751	1.100	24.400	194.5	41.33734	1540	32.464	83.4	328.953861	407.542631

1.34118	1.76018	10.96532	17698.569
1.34127	1.76036	10.96664	17699.679
1.34135	1.76056	10.96795	17700.78
1.34143	1.76075	10.96926	17701.878
1.34152	1.76093	10.97058	17702.979
1.3416	1.76111	10.97194	17704.057
1.34168	1.76129	10.97338	17705.136
1.34177	1.76149	10.97483	17706.222
1.34185	1.76167	10.97627	17707.303
1.34193	1.76186	10.97771	17708.384
1.34202	1.76205	10.97916	17709.469
1.3421	1.76223	10.9806	17710.548
1.34219	1.76242	10.98203	17711.62
1.34228	1.7626	10.98348	17712.702
1.34237	1.7628	10.98492	17713.783
1.34246	1.76298	10.98636	17714.864
1.34255	1.76317	10.98781	17715.949
1.34264	1.76336	10.98926	17717.033
1.34273	1.76354	10.9907	17718.112
1.34282	1.76374	10.99213	17719.184
1.34291	1.76392	10.99356	17720.258
1.343	1.76412	10.995	17721.335
1.34309	1.7643	10.99645	17722.421
1.34318	1.7645	10.99785	17723.508
1.34327	1.76469	10.99916	17724.594
1.34336	1.76487	11.00048	17725.685
1.34346	1.76507	11.00188	17726.845
1.34356	1.76528	11.0035	17728.101
1.34366	1.76549	11.00504	17729.341
1.34375	1.76566	11.00634	17730.521
1.34384	1.76584	11.0075	17731.697
1.34394	1.76603	11.00874	17732.914
1.34405	1.76625	11.01025	17734.18
1.34417	1.7665	11.01207	17735.543
1.34436	1.76687	11.01544	17737.968
1.34462	1.76746	11.02019	17742.8
1.34491	1.76803	11.0241	17748.485
1.34523	1.76866	11.0277	17755.185
1.34556	1.76933	11.03069	17762.438
1.3459	1.76998	11.03456	17770.108
1.34632	1.77085	11.03966	17780.105
1.34683	1.77179	11.04501	17792.804
1.34731	1.77282	11.04937	17804.13
1.34769	1.77353	11.05373	17812.952
1.34797	1.7741	11.05738	17819.588
1.34824	1.77462	11.06062	17825.859
1.3485	1.77511	11.0636	17832.011

11:29:18.351	-9	0.00027	0.00053	0.00285	6.762	0.000653
11:29:19.351	-9	0.00026	0.00049	0.00224	6.527	0.00063
11:29:20.351	-9	0.00028	0.00058	0.00228	6.459	0.000624
11:29:21.351	-9	0.00029	0.00054	0.00276	6.951	0.000671
11:29:22.351	-9	0.0003	0.0006	0.0026	7.199	0.000695
11:29:23.351	-9	0.00024	0.00048	0.00219	5.732	0.000554
11:29:24.351	-9	0.00026	0.0005	0.00274	5.932	0.000573
11:29:25.351	-9	0.00029	0.00059	0.00354	7.629	0.000737
11:29:26.351	-9	0.00027	0.00054	0.00268	7.122	0.000688
11:29:27.351	-9	0.00023	0.00051	0.00269	5.91	0.000571
11:29:28.351	-9	0.00019	0.00037	0.00306	4.61	0.000446
11:29:29.351	-9	0.00023	0.0005	0.00371	5.418	0.000524
11:29:30.351	-9	0.00026	0.00055	0.00351	6.854	0.000662
11:29:31.351	-8.8	0.00018	0.00038	0.0018	4.756	0.000459
11:29:32.351	-8	0.00016	0.00032	0.00137	3.605	0.000348
11:29:33.351	-8	0.00015	0.00027	0.00095	3.027	0.000293
11:29:34.351	-8	0.00015	0.00034	0.0013	2.835	0.000274
11:29:35.351	-8	0.00013	0.00029	0.00132	2.458	0.000238
11:29:36.351	-8	0.00012	0.00031	0.00124	2.301	0.000223
11:29:37.351	-8	0.00013	0.00032	0.00141	2.086	0.000202
11:29:38.351	-8	0.00014	0.00034	0.00204	2.179	0.000211
11:29:39.351	-8	0.00015	0.00039	0.00219	2.461	0.000238
11:29:40.351	-8	0.00017	0.00042	0.00291	3.203	0.00031
11:29:41.351	-8	0.00018	0.00048	0.00291	3.888	0.000376
11:29:42.351	-8	0.00018	0.00042	0.00226	4.046	0.000391
11:29:43.351	-8	0.00015	0.00036	0.00157	3.242	0.000314
11:29:44.351	-8	0.00013	0.00031	0.00138	2.567	0.000248
11:29:45.351	-8	0.00013	0.0003	0.00175	2.196	0.000213
11:29:46.351	-8	0.00014	0.00035	0.00207	2.065	0.0002
11:29:47.351	-8	0.00014	0.00035	0.00223	2.306	0.000224
11:29:48.351	-8	0.00014	0.00037	0.0021	2.372	0.00023
11:29:49.351	-8	0.00009	0.00021	0.00136	1.466	0.000142
11:29:50.351	-8	0.00007	0.0002	0.0011	1.165	0.000113
11:29:51.351	-8	0.00007	0.00017	0.0006	0.865	0.000084
11:29:52.351	-8	0.00009	0.00022	0.00061	0.794	0.000077
11:29:53.351	-8	0.00011	0.00028	0.00095	0.56	0.000054
11:29:54.351	-8	0.00011	0.00023	0.00127	0.446	0.000043
11:29:55.351	-8	0.00009	0.00021	0.00123	0.417	0.000041
11:29:56.351	-8	0.00007	0.00015	0.00118	0.4	0.000039
11:29:57.351	-8	0.00006	0.00014	0.00099	0.436	0.000042
11:29:58.351	-8	0.00009	0.0002	0.00121	0.635	0.000062
11:29:59.351	-8	0.00013	0.00031	0.00146	0.734	0.000071
11:30:00.351	-8	0.00012	0.00028	0.00159	0.593	0.000058
11:30:01.351	-8	0.0001	0.00023	0.00212	0.835	0.000081
11:30:02.351	-8	0.00008	0.00021	0.00138	0.762	0.000074
11:30:03.351	-8	0.00007	0.00016	0.00108	0.602	0.000058
11:30:04.351	-8	0.00006	0.00014	0.00093	0.454	0.000044

31.7	3.80E+00	3.500	1.400	2.739	1.096	25.000
34.4	3.90E+00	3.600	1.400	2.816	1.095	24.000
34.5	4.10E+00	3.800	1.400	2.979	1.098	28.100
36.9	4.10E+00	3.800	1.400	2.976	1.097	24.600
37	4.10E+00	3.800	1.400	2.973	1.095	26.900
39	4.00E+00	3.700	1.400	2.901	1.098	26.600
39	4.00E+00	3.700	1.400	2.907	1.100	26.000
39.8	4.00E+00	3.700	1.400	2.877	1.089	26.600
39.9	3.90E+00	3.600	1.400	2.800	1.089	26.000
41	3.80E+00	3.400	1.400	2.664	1.097	27.300
41	3.80E+00	3.400	1.400	2.681	1.104	23.700
41	3.80E+00	3.400	1.400	2.680	1.104	27.400
41	3.80E+00	3.400	1.400	2.659	1.095	26.200
41	3.80E+00	3.500	1.400	2.731	1.093	26.400
41	4.00E+00	3.600	1.400	2.849	1.108	26.300
41	3.90E+00	3.500	1.400	2.801	1.120	22.800
40.6	3.90E+00	3.500	1.400	2.811	1.124	29.300
39.7	3.90E+00	3.500	1.400	2.809	1.124	29.000
39.7	3.90E+00	3.500	1.400	2.809	1.124	32.700
38.6	4.00E+00	3.500	1.400	2.837	1.135	32.600
38.6	4.00E+00	3.500	1.400	2.845	1.138	32.200
38.6	3.90E+00	3.500	1.300	2.836	1.053	34.200
37.7	3.80E+00	3.400	1.300	2.736	1.046	31.400
38.1	3.80E+00	3.300	1.400	2.635	1.118	32.400
38.1	3.70E+00	3.300	1.400	2.622	1.112	29.200
39.1	3.70E+00	3.300	1.400	2.628	1.115	30.400
39.1	3.80E+00	3.300	1.400	2.648	1.124	29.300
39.8	3.80E+00	3.300	1.400	2.679	1.136	28.900
39.8	3.80E+00	3.300	1.400	2.697	1.144	31.900
40.4	3.70E+00	3.200	1.300	2.607	1.061	30.000
40.4	4.00E+00	3.600	1.300	2.906	1.051	35.000
41.2	4.00E+00	3.600	1.300	2.910	1.051	32.200
41.2	3.90E+00	3.500	1.300	2.848	1.057	34.400
41.2	3.90E+00	3.500	1.300	2.880	1.070	32.300
41.2	3.90E+00	3.400	1.300	2.840	1.086	31.200
40.4	4.00E+00	3.400	1.300	2.879	1.101	31.900
40.4	3.90E+00	3.400	1.200	2.887	1.019	28.400
39.4	3.90E+00	3.400	1.200	2.880	1.016	31.500
39.3	3.90E+00	3.400	1.200	2.871	1.013	28.000
37.6	3.90E+00	3.400	1.200	2.859	1.009	29.200
37.5	4.00E+00	3.400	1.300	2.858	1.093	28.200
35.6	3.90E+00	3.300	1.300	2.790	1.099	29.200
35.5	3.90E+00	3.300	1.300	2.794	1.101	30.400
33.9	3.80E+00	3.300	1.300	2.761	1.088	28.900
33.8	3.80E+00	3.300	1.300	2.750	1.084	32.000
32.2	3.80E+00	3.300	1.300	2.756	1.086	28.800
32.1	3.90E+00	3.300	1.300	2.769	1.091	30.000

194.8	43.3474	1607	33.705	86.5	328.123649	410.914915
195.2	42.85651	1668	34.988	83.2	326.167155	413.344467
195.5	41.39979	1718	36.02	84.2	325.031478	411.844156
195.8	44.85298	1764	36.84	85.9	323.423699	414.361562
195.8	47.67538	1806	38.08	84.7	323.420231	418.4873
195.8	39.12991	1535	38.5	84.8	323.462712	416.443267
195.8	38.36958	1533	38.726	87.2	320.794572	414.173168
195.8	46.82788	1544	39.12	90.3	309.216038	423.548534
	48.72255	1555	39.74	83.2	312.089717	430.919412
	35.62606	1562	39.74	77.5	312.489712	422.477634
	30.98387	1559	39.74	80	313.155028	415.688067
	35.09251	1554	39.429	88.8	311.670482	410.456269
	45.07255	1563	39.74	87.5	312.49145	419.796078
197.6	29.23264	1561	39.74	60.1	314.432703	418.115702
197.6	25.42978	1541	39.12	56	306.933582	403.481087
197.6	24.63189	1522	38.5	59.2	308.30434	391.99824
197.6	25.07933	1501	37.88	59.9	315.558078	382.663711
197.6	20.68372	1480	37.397	47.4	314.729474	371.891176
197.4	19.32488	1457	36.646	42.6	320.097244	358.483092
197	21.46101	1440	36.64	50.3	322.292375	348.161383
196.6	22.45495	1434	36.64	50.2	320.47875	342.956354
196.3	24.21492	1438	36.64	53.2	319.755611	339.887353
195.9	27.94079	1453	36.64	72.6	320.309708	342.046746
195.8	31.71646	1470	37.451	75.3	323.17479	348.069085
195.8	28.70075	1494	37.88	61.1	324.639293	351.105871
195.8	24.38359	1511	38.5	40.5	324.015133	347.087385
195.8	20.08	1518	38.5	36.3	321.130167	335.2399
195.8	22.48537	1527	38.5	49.6	316.720374	325.3868
195.5	24.38391	1539	39.12	54.4	315.281913	321.9229
195.1	25.388	1556	39.74	53.4	315.601042	320.8434
194.8	17.598	1440	39.74	23.2	315.008333	316.637602
194.4	11.25429	1294	39.74	2.2	311.630869	305.269574
194	10.91533	1289	39.74	0	306.675	294.091969
	10.73411	1280	39.293	0	303.469231	286.599099
	21.64899	1267	39.12	23	300.590706	279.428824
	18.15412	1248	38.5	15.7	297.751222	272.258156
	17.47369	1232	38.075	44.9	294.423321	267.426357
	9.94093	1198	36.835	5.1	294.224519	264.5734
	9.97225	1169	36.215	0.1	292.155939	259.7602
	9.65425	1138	34.995	0	289.422702	255.372427
	9.19228	1111	33.757	14.6	286.058683	251.898182
	23.32127	1303	32.91	35.8	286.368462	252.2458
	18.50723	1280	32.29	20.8	289.280636	253.342342
	17.53577	1248	31.67	16.4	287.489904	249.092907
	10.64236	1211	30.648	1.6	285.622581	244.817059
	9.99073	1172	29.81	0	282.768273	241.012449
	9.3989	1085	27.358	1.7	282.646408	237.703042

1.34877	1.77564	11.06645	17838.773
1.34903	1.77613	11.06869	17845.3
1.34931	1.77671	11.07097	17851.759
1.3496	1.77725	11.07373	17858.71
1.3499	1.77785	11.07633	17865.909
1.35014	1.77833	11.07852	17871.641
1.3504	1.77883	11.08126	17877.573
1.35069	1.77942	11.0848	17885.202
1.35096	1.77996	11.08748	17892.324
1.35119	1.78047	11.09017	17898.234
1.35138	1.78084	11.09323	17902.844
1.35161	1.78134	11.09694	17908.262
1.35187	1.78189	11.10045	17915.116
1.35205	1.78227	11.10225	17919.872
1.35221	1.78259	11.10362	17923.477
1.35236	1.78286	11.10457	17926.504
1.35251	1.7832	11.10587	17929.339
1.35264	1.78349	11.10719	17931.797
1.35276	1.7838	11.10843	17934.098
1.35289	1.78412	11.10984	17936.184
1.35303	1.78446	11.11188	17938.363
1.35318	1.78485	11.11407	17940.824
1.35335	1.78527	11.11698	17944.027
1.35353	1.78575	11.11989	17947.915
1.35371	1.78617	11.12215	17951.961
1.35386	1.78653	11.12372	17955.203
1.35399	1.78684	11.1251	17957.77
1.35412	1.78714	11.12685	17959.966
1.35426	1.78749	11.12892	17962.031
1.3544	1.78784	11.13115	17964.337
1.35454	1.78821	11.13325	17966.709
1.35463	1.78842	11.13461	17968.175
1.3547	1.78862	11.13571	17969.34
1.35477	1.78879	11.13631	17970.205
1.35486	1.78901	11.13692	17970.999
1.35497	1.78929	11.13787	17971.559
1.35508	1.78952	11.13914	17972.005
1.35517	1.78973	11.14037	17972.422
1.35524	1.78988	11.14155	17972.822
1.3553	1.79002	11.14254	17973.258
1.35539	1.79022	11.14375	17973.893
1.35552	1.79053	11.14521	17974.627
1.35564	1.79081	11.1468	17975.22
1.35574	1.79104	11.14892	17976.055
1.35582	1.79125	11.1503	17976.817
1.35589	1.79141	11.15138	17977.419
1.35595	1.79155	11.15231	17977.873

11:30:05.351	-8	0.00006	0.00013	0.00087	0.357	0.000035
11:30:06.351	-8	0.00006	0.00012	0.00079	0.259	0.000025
11:30:07.351	-8	0.00005	0.00012	0.00061	0.185	0.000018
11:30:08.351	-8	0.00006	0.00012	0.00073	0.154	0.000015
11:30:09.351	-8	0.00008	0.0002	0.00107	0.183	0.000018
11:30:10.351	-8	0.00009	0.00019	0.0012	0.169	0.000017
11:30:11.351	-8	0.00009	0.00021	0.00124	0.186	0.000018
11:30:12.351	-8	0.00009	0.00022	0.00145	0.283	0.000028
11:30:13.351	-8	0.0001	0.00022	0.00177	0.395	0.000039
11:30:14.351	-8	0.00013	0.00028	0.00217	0.735	0.000072
11:30:15.351	-8	0.0002	0.00041	0.00469	1.912	0.000186
11:30:16.351	-8	0.00023	0.00056	0.0055	3.461	0.000336
11:30:17.351	-8	0.00027	0.00059	0.00578	5.315	0.000515
11:30:18.351	-8	0.00035	0.00082	0.00641	8.191	0.000792
11:30:19.351	-8	0.0004	0.00088	0.00543	9.46	0.000915
11:30:20.351	-8	0.00039	0.00084	0.00481	9.167	0.000886
11:30:21.351	-8	0.00035	0.00081	0.00432	7.986	0.000772
11:30:22.351	-8	0.00045	0.00093	0.00646	10.358	0.001002
11:30:23.351	-8	0.00048	0.00111	0.00665	11.641	0.001126
11:30:24.351	-8	0.00037	0.00079	0.00481	8.813	0.000852
11:30:25.351	-8	0.00023	0.00051	0.0032	5.159	0.000499
11:30:26.351	-8	0.00019	0.00044	0.00289	4.235	0.00041
11:30:27.351	-8	0.00019	0.00048	0.00315	4.283	0.000414
11:30:28.351	-8	0.00015	0.0004	0.00232	3.313	0.00032
11:30:29.351	-8	0.00013	0.0003	0.00148	2.796	0.00027
11:30:30.351	-8	0.00009	0.00025	0.00058	1.61	0.000156
11:30:31.351	-8	0.00014	0.00035	0.00067	1.624	0.000157
11:30:32.351	-8	0.00017	0.00048	0.00125	1.54	0.000149
11:30:33.351	-8	0.00016	0.00044	0.00235	1.708	0.000166
11:30:34.351	-8	0.00015	0.00036	0.00244	2.089	0.000203
11:30:35.351	-8	0.00015	0.00037	0.00212	2.16	0.000209
11:30:36.351	-8	0.00015	0.00036	0.00204	2.126	0.000206
11:30:37.351	-8	0.00015	0.00041	0.00232	2.053	0.000199
11:30:38.351	-8	0.00014	0.00035	0.00252	2.058	0.0002
11:30:39.351	-8	0.00014	0.00037	0.00205	2.094	0.000203
11:30:40.351	-8	0.00017	0.00044	0.00248	2.465	0.000239
11:30:41.351	-8	0.00024	0.00057	0.00454	3.92	0.00038
11:30:42.351	-8	0.00036	0.00088	0.00732	8.77	0.000848
11:30:43.351	-8	0.00039	0.00085	0.00507	9.804	0.000947
11:30:44.351	-8	0.00037	0.00086	0.00427	8.971	0.000867
11:30:45.351	-8	0.00032	0.0007	0.00405	7.678	0.000742
11:30:46.351	-8	0.0003	0.00067	0.00345	6.963	0.000673
11:30:47.351	-8	0.00035	0.00077	0.0047	7.966	0.00077
11:30:48.351	-8	0.00037	0.00083	0.00446	9.07	0.000876
11:30:49.351	-8	0.00026	0.00064	0.0011	4.423	0.000428
11:30:50.351	-8	0.00023	0.00051	0.00266	3.62	0.000351
11:30:51.351	-8	0.00022	0.00048	0.00374	3.664	0.000355

29.5	3.90E+00	3.300	1.300	2.781	1.095	29.200
29.3	3.90E+00	3.300	1.300	2.798	1.102	28.400
23.5	3.80E+00	3.200	1.300	2.726	1.107	29.300
23.3	3.80E+00	3.200	1.300	2.733	1.110	26.000
16.9	3.90E+00	3.200	1.300	2.738	1.112	30.500
16.7	3.90E+00	3.200	1.400	2.740	1.199	28.100
10.5	3.90E+00	3.200	1.400	2.738	1.198	31.000
10.4	3.90E+00	3.200	1.400	2.729	1.194	30.200
7.1	3.90E+00	3.200	1.400	2.718	1.189	29.000
7.1	3.90E+00	3.200	1.400	2.701	1.182	28.800
6.3	3.80E+00	3.200	1.400	2.664	1.166	26.000
6.4	3.80E+00	3.200	1.400	2.614	1.144	30.100
8.5	3.70E+00	3.200	1.400	2.569	1.124	27.200
8.7	3.60E+00	3.200	1.300	2.541	1.034	28.200
12.5	3.60E+00	3.200	1.400	2.536	1.109	26.700
12.7	3.60E+00	3.200	1.400	2.538	1.110	26.000
17.8	3.70E+00	3.200	1.400	2.544	1.113	28.000
18	3.70E+00	3.200	1.400	2.542	1.112	25.000
21.9	3.60E+00	3.200	1.400	2.531	1.107	28.000
22.1	3.60E+00	3.200	1.400	2.538	1.110	25.500
26.7	3.70E+00	3.300	1.400	2.624	1.113	27.400
26.8	3.70E+00	3.300	1.400	2.626	1.114	28.200
29.2	3.70E+00	3.300	1.400	2.625	1.114	30.500
29.2	3.70E+00	3.300	1.400	2.624	1.113	33.400
29.7	3.90E+00	3.500	1.400	2.790	1.116	28.500
29.7	4.00E+00	3.500	1.400	2.824	1.130	35.000
28.8	4.00E+00	3.500	1.400	2.884	1.154	33.800
28.8	4.00E+00	3.500	1.300	2.915	1.083	38.200
28.8	4.00E+00	3.500	1.300	2.897	1.076	36.700
27.7	4.00E+00	3.500	1.400	2.864	1.146	30.900
28.1	4.00E+00	3.500	1.400	2.852	1.141	33.100
28.1	4.00E+00	3.500	1.400	2.859	1.144	31.900
28.1	4.00E+00	3.500	1.400	2.868	1.147	35.500
28.1	3.90E+00	3.400	1.400	2.778	1.143	32.300
28.2	3.90E+00	3.400	1.400	2.776	1.143	33.200
28.2	3.90E+00	3.400	1.400	2.779	1.144	32.900
28.2	3.90E+00	3.400	1.400	2.754	1.134	31.200
28.3	3.80E+00	3.400	1.400	2.677	1.103	30.900
29.9	3.80E+00	3.400	1.500	2.669	1.177	27.500
30	3.90E+00	3.400	1.500	2.674	1.180	30.000
33.8	3.90E+00	3.400	1.500	2.678	1.181	28.200
33.9	4.10E+00	3.700	1.500	2.910	1.180	30.200
36.4	4.10E+00	3.700	1.500	2.910	1.180	30.300
36.5	4.00E+00	3.700	1.400	2.897	1.097	29.800
38.7	4.10E+00	3.700	1.400	2.985	1.129	33.300
38.7	4.10E+00	3.700	1.300	3.003	1.055	29.500
39	4.00E+00	3.700	1.300	2.987	1.050	29.700

	9.6064	1125	24.083	0.2	279.915691	234.755873
192.2	9.22369	1097	21.794	3.1	293.377168	231.989451
192.2	8.98908	1058	18.331	2.6	301.238921	229.439933
192.2	9.31776	1110	14.867	4.1	317.093367	226.857875
192.2	19.71135	889	12.127	14.9	306.805774	224.751687
192.2	14.47187	855	8.706	19.3	299.120251	222.0112
192.2	14.11581	799	6.84	28.2	294.044488	220.949388
192.2	15.67479	819	6.21	32.5	282.588946	221.925736
192.2	15.7192	829	6.21	31.9	274.330189	223.90265
192.2	18.98946	1100	5.59	47.3	283.742788	227.911902
192.2	31.6099	1527	6.796	72.5	296.098276	241.856604
192.2	44.00242	1802	8.217	66.7	308.501415	263.895445
192.2	38.98108	1610	10.257	77.3	320.3375	280.462049
192.2	61.37917	1918	12.826	82.8	322.761566	310.152551
192.2	67.08769	2017	15.305	82.7	328.005769	336.62
192.2	70.36957	1998	17.79	78.1	332.218042	358.640859
192.2	51.53871	1848	19.649	69	335.47476	359.748849
192.2	83.36723	2107	21.743	75.5	331.273077	376.624138
192.2	86.09727	2213	23.953	80.8	338.253197	396.127473
192.2	57.93339	1951	26.049	79.6	341.711813	401.2125
192.2	34.6828	1576	27.894	81.1	338.81691	399.476224
192.2	31.25175	1590	27.95	74.5	336.624113	392.398431
192.2	35.16739	1611	28.566	72.8	340.021108	383.066296
192.2	26.98545	1619	28.57	46.4	345.644211	375.845603
	21.28495	1595	28.359	15.8	337.929243	355.105336
	13.08813	1558	27.32	9.3	327.878842	334.162018
	18.06732	1532	26.7	40.2	321.4	318.93243
	28.3965	1519	26.7	55	316.395092	311.2
	27.7209	1538	27.32	45.4	316.293469	309.945
194	24.04285	1540	27.32	46.7	313.731493	304.916552
194	23.7569	1537	27.32	48.2	312.030101	299.476833
194	22.11055	1538	26.998	34.2	305.833333	293.19359
194	25.81777	1545	27.32	52.6	303.710189	291.11365
194	22.89057	1548	27.32	35.2	304.4019	289.930803
194	24.29419	1533	26.84	49	303.390566	283.481978
194	25.22115	1542	27.32	54.6	302.472881	282.473043
194	39.85814	1584	27.947	85.7	304.922955	298.480908
194	63.20926	1673	29.346	87.1	310.01907	338.999012
194	63.86011	1777	31.503	81.4	316.783598	371.681751
194	60.372	1873	32.896	83.5	326.871667	385.939417
194	52.31751	1639	34.241	84.7	332.47546	398.073799
194	46.85063	1693	35.692	85.5	351.856391	401.781739
194	59.27227	1702	36.349	78	353.45154	408.20198
	58.44875	1477	37.561	51.6	358.412851	413.103235
	40.14352	1485	37.88	48.7	349.703696	396.670168
	36.7795	1485	37.88	72.6	339.360729	380.02236
	34.34027	1494	37.88	70.1	338.826994	373.710872

1.35601	1.79168	11.15318	17978.23
1.35607	1.7918	11.15397	17978.489
1.35612	1.79192	11.15458	17978.674
1.35618	1.79204	11.15531	17978.828
1.35626	1.79224	11.15638	17979.011
1.35635	1.79243	11.15758	17979.18
1.35644	1.79264	11.15882	17979.366
1.35653	1.79286	11.16027	17979.649
1.35663	1.79308	11.16204	17980.044
1.35676	1.79336	11.16421	17980.779
1.35696	1.79377	11.1689	17982.691
1.35719	1.79433	11.1744	17986.152
1.35746	1.79492	11.18018	17991.467
1.35781	1.79574	11.18659	17999.658
1.35821	1.79662	11.19202	18009.118
1.3586	1.79746	11.19683	18018.285
1.35895	1.79827	11.20115	18026.271
1.3594	1.7992	11.20761	18036.629
1.35988	1.80031	11.21426	18048.27
1.36025	1.8011	11.21907	18057.083
1.36048	1.80161	11.22227	18062.242
1.36067	1.80205	11.22516	18066.477
1.36086	1.80253	11.22831	18070.76
1.36101	1.80293	11.23063	18074.073
1.36114	1.80323	11.23211	18076.869
1.36123	1.80348	11.23269	18078.479
1.36137	1.80383	11.23336	18080.103
1.36154	1.80431	11.23461	18081.643
1.3617	1.80475	11.23696	18083.351
1.36185	1.80511	11.2394	18085.44
1.362	1.80548	11.24152	18087.6
1.36215	1.80584	11.24356	18089.726
1.3623	1.80625	11.24588	18091.779
1.36244	1.8066	11.2484	18093.837
1.36258	1.80697	11.25045	18095.931
1.36275	1.80741	11.25293	18098.396
1.36299	1.80798	11.25747	18102.316
1.36335	1.80886	11.26479	18111.086
1.36374	1.80971	11.26986	18120.89
1.36411	1.81057	11.27413	18129.861
1.36443	1.81127	11.27818	18137.539
1.36473	1.81194	11.28163	18144.502
1.36508	1.81271	11.28633	18152.468
1.36545	1.81354	11.29079	18161.538
1.36571	1.81418	11.29189	18165.961
1.36594	1.81469	11.29455	18169.581
1.36616	1.81517	11.29829	18173.245

11:30:52.351	-8	0.00019	0.0004	0.00287	3.546	0.000343
11:30:53.351	-8	0.00016	0.00039	0.00235	3.147	0.000305
11:30:54.351	-8	0.00009	0.00022	0.00138	1.945	0.000188
11:30:55.351	-8	0.00008	0.00017	0.00105	1.666	0.000161
11:30:56.351	-8	0.00007	0.00017	0.00086	1.385	0.000134
11:30:57.351	-8	0.00006	0.00015	0.00079	1.005	0.000097
11:30:58.351	-8	0.00006	0.00015	0.00055	0.654	0.000063
11:30:59.351	-8	0.00005	0.00012	0.00046	0.405	0.000039
11:31:00.351	-8	0.00007	0.00018	0.00076	0.399	0.000039
11:31:01.351	-8	0.00008	0.00021	0.00101	0.354	0.000035
11:31:02.351	-8	0.00008	0.00021	0.00132	0.322	0.000031
11:31:03.351	-8	0.00008	0.00022	0.00135	0.376	0.000037
11:31:04.351	-8	0.00008	0.00019	0.00145	0.484	0.000047
11:31:05.351	-8	0.00008	0.0002	0.00166	0.6	0.000058
11:31:06.351	-8	0.00008	0.00019	0.00179	0.749	0.000073
11:31:07.351	-8	0.00009	0.00022	0.00169	0.942	0.000092
11:31:08.351	-8	0.00009	0.00023	0.00212	1.058	0.000103
11:31:09.351	-8	0.00009	0.0002	0.00183	1.076	0.000105
11:31:10.351	-8	0.0001	0.00024	0.00185	1.124	0.000109
11:31:11.351	-8	0.00011	0.00023	0.00195	1.158	0.000112
11:31:12.351	-8	0.0001	0.00024	0.00184	1.123	0.000109
11:31:13.351	-8	0.0001	0.00022	0.00168	1.006	0.000098
11:31:14.351	-8	0.0001	0.00022	0.00163	0.849	0.000082
11:31:15.351	-8	0.00009	0.00021	0.00166	0.748	0.000073
11:31:16.351	-8	0.00009	0.00019	0.00163	0.736	0.000072
11:31:17.351	-8	0.00009	0.0002	0.00153	0.745	0.000072
11:31:18.351	-8	0.00009	0.00019	0.00146	0.78	0.000076
11:31:19.351	-8	0.00009	0.00021	0.00134	0.783	0.000076
11:31:20.351	-8	0.00009	0.00019	0.00133	0.836	0.000081
11:31:21.351	-8	0.00009	0.00019	0.00132	0.931	0.00009
11:31:22.351	-8	0.00009	0.0002	0.00161	1.047	0.000102
11:31:23.351	-8	0.0001	0.00022	0.00178	1.211	0.000117
11:31:24.351	-8	0.0001	0.00024	0.00165	1.248	0.000121
11:31:25.351	-8	0.00009	0.00019	0.00154	1.191	0.000116
11:31:26.351	-8	0.00009	0.0002	0.00174	1.245	0.000121
11:31:27.351	-8	0.00009	0.00019	0.00163	1.267	0.000123
11:31:28.351	-8	0.00009	0.00019	0.00155	1.263	0.000122
11:31:29.351	-8	0.0001	0.00021	0.00162	1.257	0.000122
11:31:30.351	-8	0.00009	0.00018	0.00164	1.199	0.000116
11:31:31.351	-8	0.00009	0.00021	0.00167	1.228	0.000119
11:31:32.351	-8	0.00009	0.00018	0.00162	1.192	0.000116
11:31:33.351	-8	0.0001	0.00023	0.00182	1.343	0.00013
11:31:34.351	-8	0.0001	0.0002	0.0018	1.326	0.000129
11:31:35.351	-8	0.0001	0.00022	0.00172	1.268	0.000123
11:31:36.351	-8	0.0001	0.00023	0.00178	1.335	0.00013
11:31:37.351	-8	0.00011	0.00022	0.00185	1.354	0.000131
11:31:38.351	-8	0.00011	0.00024	0.00185	1.438	0.00014

39	3.90E+00	3.600	1.300	2.893	1.045	27.000		26.05221	1497	37.88	60	334.679442	366.31499
39.2	3.80E+00	3.400	1.300	2.734	1.045	29.900	195.8	28.93396	1511	38.5	72.5	329.935714	360.8709
39.2	3.70E+00	3.300	1.300	2.640	1.040	29.100	195.8	14.72981	1500	37.88	15.2	328.497704	353.7525
39.8	3.70E+00	3.300	1.300	2.634	1.038	26.800	195.8	12.33529	1452	36.958	0	320.235464	336.850918
39.6	3.70E+00	3.300	1.300	2.651	1.044	29.600	195.8	11.60027	1365	34.791	0	313.901247	322.0516
36.6	3.70E+00	3.300	1.200	2.689	0.979	28.800	195.8	10.95575	1259	31.683	0	307.169102	309.731765
36.3	3.70E+00	3.300	1.200	2.734	0.994	32.000	195.5	9.93104	1130	28.963	0.3	302.010429	299.39029
31.2	3.70E+00	3.300	1.100	2.770	0.925	29.000	195.1	9.20684	1073	24.375	0.1	297.295868	290.135484
30.8	3.60E+00	3.200	1.100	2.708	0.931	30.400	194.7	13.63586	964	19.543	18	293.340144	282.722554
22.1	3.70E+00	3.200	1.100	2.719	0.935	31.300	194.4	14.38364	846	14.568	26	291.260502	276.504353
21.6	3.60E+00	3.200	1.000	2.722	0.851	32.200	194	13.40306	788	10.304	30.5	291.215036	271.289123
11.6	3.60E+00	3.200	1.000	2.716	0.849	32.300	194	14.777	841	6.856	29.8	291.477757	268.234682
11.3	3.50E+00	3.200	1.000	2.705	0.845	28.300	194	14.95379	834	4.459	34.7	290.013654	267.3
5.3	3.50E+00	3.200	1.000	2.690	0.841	29.600	194	13.97136	762	2.494	38.5	291.87193	267.3
5.2	3.60E+00	3.300	1.000	2.760	0.836	27.300	194	15.37188	798	2.715	37.2	296.967052	268.428333
2.6	3.70E+00	3.400	1.000	2.829	0.832	28.500		15.29783	813	4.058	39.2	300.217958	267.54
2.7	3.60E+00	3.400	1.000	2.819	0.829	29.100		15.89809	1073	5.281	47.5	298.954373	269.1467
5.1	3.70E+00	3.500	1.000	2.897	0.828	26.700		15.25996	1001	6.21	33.4	298.98738	265.394595
5.2	3.80E+00	3.600	1.000	2.978	0.828	30.100		16.17602	1173	6.21	32.4	299.764082	262.886299
6.2	3.90E+00	3.600	1.100	2.983	0.911	27.000		10.8425	1052	6.529	23.4	300.035838	259.619802
6.2	3.90E+00	3.600	1.100	2.983	0.911	30.200	194	16.85856	842	6.496	23.3	297.735517	255.150339
6.9	3.90E+00	3.600	1.100	2.992	0.914	28.200	194	16.09366	829	6.83	32.4	297.337812	252.664364
6.9	3.90E+00	3.600	1.100	3.006	0.919	29.800	194	15.83668	834	6.83	31.6	299.279418	251.146638
7.2	3.90E+00	3.600	1.100	3.012	0.921	29.100	194	14.52212	827	6.421	30.9	298.495579	249.718693
7.2	3.80E+00	3.600	1.000	3.011	0.838	27.100	194	14.55737	817	5.186	31.1	298.560331	249.054708
6.1	3.80E+00	3.600	1.000	3.007	0.835	30.100	194	13.98694	780	3.255	34.2	292.4	247.006586
6	3.80E+00	3.600	1.000	3.005	0.835	27.600	194	14.30014	791	2.506	39.9	289.805988	247.761677
3.1	3.80E+00	3.600	1.000	3.003	0.834	30.400	194	14.49289	793	0.646	40.3	291.096466	250.386667
3	3.90E+00	3.600	1.100	2.995	0.915	27.400	194	14.17149	778	0	40.4	281.169923	251.886087
0	3.90E+00	3.600	1.100	2.983	0.911	28.500	194	14.37809	779	0	39.6	281.873852	253.157031
0	3.90E+00	3.600	1.100	2.971	0.908	28.500	194	14.23357	784	0	41.5	282.396933	253.937216
0	3.90E+00	3.600	1.100	2.965	0.906	29.500	194	15.91984	874	0.175	50.1	284.128889	255.790323
0	3.90E+00	3.600	1.100	2.962	0.905	30.400	194	16.39033	913	0.62	45.8	286.319592	258.626061
1.2	3.90E+00	3.700	1.100	3.038	0.903	27.200	194	14.42733	801	0.62	40.6	286.473077	258.95798
1.2	3.90E+00	3.700	1.100	3.028	0.900	29.000	194	14.1451	781	0.62	40.2	282.634711	258.5
1.2	3.90E+00	3.700	1.100	3.025	0.899	26.800	194	14.80443	785	0	38.9	283.695385	258.212704
1.2	3.90E+00	3.700	1.100	3.029	0.901	26.700	194	14.51245	802	0	41.7	283.652542	257.8
0	3.90E+00	3.700	1.100	3.035	0.902	28.200	194	15.76366	857	0	42.3	283.590419	257.8
0	3.90E+00	3.700	1.100	3.037	0.903	26.000	194	14.1449	777	0.058	38.6	288.038846	257.444287
0.7	3.90E+00	3.700	1.100	3.036	0.903	29.100	194	15.18369	850	0.56	41.9	287.652372	257.1
0.7	3.90E+00	3.700	1.100	3.036	0.903	26.400	194	14.11	777	0.082	39.3	286.471686	256.788281
0.8	3.90E+00	3.700	1.100	3.037	0.903	29.500	194	17.12163	904	0.512	47.4	286.811395	256.834945
0.9	3.90E+00	3.700	1.100	3.037	0.903	26.400	194	16.06937	855	1.886	40.8	290.178226	257.1
2	3.90E+00	3.700	1.100	3.037	0.903	29.400	194	15.28609	781	2.48	36.9	290.453208	255.81505
2	3.90E+00	3.700	1.100	3.034	0.902	29.700	194	15.38765	808	2.48	38.1	289.035675	254.586796
2.9	3.90E+00	3.700	1.100	3.039	0.904	27.200	194	16.83629	953	3.237	49.7	296.222791	254.799506
3	3.90E+00	3.600	1.100	2.961	0.904	28.200	194	16.62564	1049	4.065	57.9	302.14096	256.257642

1.36635	1.81557	11.30116	18176.791
1.36651	1.81596	11.30351	18179.938
1.3666	1.81618	11.30489	18181.883
1.36668	1.81635	11.30594	18183.549
1.36675	1.81652	11.3068	18184.934
1.36681	1.81667	11.30759	18185.939
1.36687	1.81682	11.30814	18186.593
1.36692	1.81694	11.3086	18186.998
1.36699	1.81712	11.30936	18187.397
1.36707	1.81733	11.31037	18187.751
1.36715	1.81754	11.31169	18188.073
1.36723	1.81776	11.31304	18188.449
1.36731	1.81795	11.31449	18188.933
1.36739	1.81815	11.31615	18189.533
1.36747	1.81834	11.31794	18190.282
1.36756	1.81856	11.31963	18191.224
1.36765	1.81879	11.32175	18192.282
1.36774	1.81899	11.32358	18193.358
1.36784	1.81923	11.32543	18194.482
1.36795	1.81946	11.32738	18195.64
1.36805	1.8197	11.32922	18196.763
1.36815	1.81992	11.3309	18197.769
1.36825	1.82014	11.33253	18198.618
1.36834	1.82035	11.33419	18199.366
1.36843	1.82054	11.33582	18200.102
1.36852	1.82074	11.33735	18200.847
1.36861	1.82093	11.33881	18201.627
1.3687	1.82114	11.34015	18202.41
1.36879	1.82133	11.34148	18203.246
1.36888	1.82152	11.3428	18204.177
1.36897	1.82172	11.34441	18205.224
1.36907	1.82194	11.34619	18206.435
1.36917	1.82218	11.34784	18207.683
1.36926	1.82237	11.34938	18208.874
1.36935	1.82257	11.35112	18210.119
1.36944	1.82276	11.35275	18211.386
1.36953	1.82295	11.3543	18212.649
1.36963	1.82316	11.35592	18213.906
1.36972	1.82334	11.35756	18215.105
1.36981	1.82355	11.35923	18216.333
1.3699	1.82373	11.36085	18217.525
1.37	1.82396	11.36267	18218.868
1.3701	1.82416	11.36447	18220.194
1.3702	1.82438	11.36619	18221.462
1.3703	1.82461	11.36797	18222.797
1.37041	1.82483	11.36982	18224.151
1.37052	1.82507	11.37167	18225.589

11:31:39.351	-8	0.00017	0.00033	0.00337	2.458	0.000238
11:31:40.351	-8	0.00022	0.00046	0.00475	3.878	0.000376
11:31:41.351	-8	0.00022	0.00045	0.00398	4.534	0.000439
11:31:42.351	-8	0.00014	0.0003	0.00179	2.815	0.000272
11:31:43.351	-8	0.00011	0.00023	0.0013	2.01	0.000195
11:31:44.351	-8	0.00011	0.00023	0.00142	1.67	0.000162
11:31:45.351	-8	0.00012	0.00025	0.00155	1.563	0.000152
11:31:46.351	-8	0.00012	0.00024	0.002	1.633	0.000158
11:31:47.351	-8	0.00013	0.00028	0.00196	1.885	0.000183
11:31:48.351	-8	0.00013	0.00028	0.0017	2.014	0.000195
11:31:49.351	-8	0.00013	0.0003	0.00172	1.997	0.000194
11:31:50.351	-8	0.00013	0.00029	0.00174	1.977	0.000192
11:31:51.351	-8	0.00013	0.00029	0.00193	1.973	0.000191
11:31:52.351	-8	0.00014	0.00033	0.00203	2.023	0.000196
11:31:53.351	-8	0.00014	0.00031	0.00205	2.052	0.000199
11:31:54.351	-8	0.00014	0.00034	0.00205	2.097	0.000203
11:31:55.351	-8	0.00014	0.00036	0.00205	2.093	0.000203
11:31:56.351	-8	0.00014	0.00037	0.00205	2.048	0.000199
11:31:57.351	-8	0.00014	0.00033	0.00213	1.948	0.000189
11:31:58.351	-8	0.00012	0.00027	0.00188	1.777	0.000172
11:31:59.351	-8	0.00012	0.00028	0.00179	1.606	0.000156
11:32:00.351	-8	0.00011	0.00024	0.00182	1.338	0.00013
11:32:01.351	-8	0.00011	0.00025	0.00179	1.189	0.000115
11:32:02.351	-8	0.0001	0.00023	0.00186	1.124	0.000109
11:32:03.351	-8	0.0001	0.00023	0.00172	1.108	0.000108
11:32:04.351	-8	0.0001	0.00023	0.00171	1.116	0.000108
11:32:05.351	-8	0.0001	0.00022	0.00165	1.112	0.000108
11:32:06.351	-8	0.0001	0.00025	0.00157	1.119	0.000109
11:32:07.351	-8	0.0001	0.00022	0.00156	1.179	0.000114
11:32:08.351	-8	0.0001	0.00025	0.00155	1.204	0.000117
11:32:09.351	-8	0.0001	0.00023	0.00153	1.196	0.000116
11:32:10.351	-8	0.0001	0.00023	0.00151	1.175	0.000114
11:32:11.351	-8	0.00009	0.00022	0.00149	1.095	0.000106
11:32:12.351	-8	0.00009	0.0002	0.00152	1.037	0.000101
11:32:13.351	-8	0.00009	0.00021	0.00145	0.967	0.000094
11:32:14.351	-8	0.00009	0.00019	0.00146	0.92	0.000089
11:32:15.351	-8	0.00009	0.00019	0.00145	0.877	0.000085
11:32:16.351	-8	0.00008	0.00018	0.00149	0.878	0.000085
11:32:17.351	-8	0.00008	0.00018	0.00147	0.972	0.000094
11:32:18.351	-8	0.00009	0.0002	0.00139	1.109	0.000108
11:32:19.351	-8	0.00009	0.00019	0.0013	1.098	0.000106
11:32:20.351	-8	0.0001	0.00021	0.00144	1.007	0.000098
11:32:21.351	-8	0.0001	0.0002	0.0017	0.926	0.00009
11:32:22.351	-8	0.0001	0.00021	0.00186	0.863	0.000084
11:32:23.351	-8	0.0001	0.00019	0.00184	0.828	0.00008
11:32:24.351	-8	0.0001	0.00018	0.00177	0.825	0.00008
11:32:25.351	-8	0.0001	0.00017	0.00177	0.833	0.000081

4.3	3.80E+00	3.600	1.100	2.940	0.898	25.000	194	24.56072	1384	5.304	77.7	302.452965	263.408108
4.5	3.80E+00	3.600	1.100	2.906	0.888	27.000	194	38.95388	1708	7.411	71.1	300.971267	279.352367
7.6	3.80E+00	3.600	1.100	2.876	0.879	26.200	194	37.87716	1692	9.008	61.2	303.763043	290.864909
7.7	3.80E+00	3.600	1.100	2.879	0.880	27.900	194	19.14459	1234	9.94	46.8	303.216159	289.421805
10.7	3.90E+00	3.700	1.100	2.977	0.885	27.200	194	16.47602	1194	9.94	38	302.817739	280.194257
10.7	3.90E+00	3.700	1.100	3.009	0.895	27.500	194	16.51212	1168	9.451	51	300.971538	273.018488
10.4	3.90E+00	3.700	1.100	3.033	0.902	28.000	194	19.00382	1245	9.902	56.3	298.429046	270.1
10.4	3.90E+00	3.700	1.100	3.035	0.902	25.900		19.98642	1243	9.94	48.7	298.526563	270.071681
10.6	3.90E+00	3.700	1.100	3.015	0.897	29.400		20.22356	1256	9.94	45.1	298.948073	269.432609
10.6	3.90E+00	3.700	1.100	3.006	0.894	28.700		20.5138	1265	9.94	43.9	299.366126	267.288367
10.6	4.00E+00	3.800	1.100	3.091	0.895	29.600		20.35926	1266	9.94	44.6	298.790937	266.645455
10.6	4.00E+00	3.800	1.100	3.094	0.896	28.800		20.66	1271	9.94	45.7	298.206875	265.251041
10.9	3.90E+00	3.700	1.100	3.017	0.897	28.200	193.8	21.05475	1299	10.56	47.7	298.78125	264
10.9	3.90E+00	3.700	1.100	3.016	0.897	31.000	193.4	21.88951	1331	10.56	48.2	298.565741	263.978854
11.3	3.90E+00	3.700	1.100	3.016	0.897	28.800	193	21.98563	1345	10.56	46.8	294.566967	263.3
11.3	3.90E+00	3.700	1.100	3.012	0.896	31.900	192.6	22.05905	1354	11.18	45.7	285.295465	263.050247
11.6	4.00E+00	3.800	1.100	3.094	0.896	34.000	192.2	22.01531	1361	11.18	46.3	291.727778	262.183478
11.6	4.00E+00	3.800	1.100	3.097	0.897	34.700	192.2	22.35288	1351	11.18	45.8	290.778437	261.080495
11.9	4.00E+00	3.800	1.100	3.099	0.897	32.000	192.2	21.88662	1361	11.18	44	290.113628	259.732168
11.9	3.90E+00	3.700	1.100	3.018	0.897	28.900	192.2	18.06548	1246	11.18	24.8	291.8075	255.356663
11.9	3.90E+00	3.700	1.100	3.025	0.899	31.300	192.2	18.03834	1283	11.18	32.3	291.115922	250.002434
11.9	4.00E+00	3.700	1.100	3.047	0.906	27.900	192.2	17.80323	1291	11.18	33.3	289.39044	245.915984
11.5	3.90E+00	3.700	1.000	3.058	0.828	30.500	192.2	17.60377	1270	10.56	32.9	290.078714	242.741424
11.5	3.80E+00	3.600	1.000	2.979	0.827	28.600	192.2	16.99287	1224	10.56	32.5	294.069026	240.455917
11.2	3.90E+00	3.700	1.000	3.061	0.827	28.800	192.2	16.42694	1166	9.94	35.8	292.37955	237.4878
11.2	3.90E+00	3.700	1.000	3.061	0.827	28.600	192.2	16.98118	1196	9.94	38.2	283.018557	236.1
10.7	3.90E+00	3.700	1.000	3.062	0.827	28.000	192.2	16.97609	1206	9.94	36.3	275.423529	235.989422
10.7	3.90E+00	3.700	1.000	3.061	0.827	30.600	192.2	17.07424	1202	9.94	36.1	274.1763	235.350593
10.9	3.90E+00	3.700	1.000	3.054	0.826	27.800	192.2	16.83533	1196	9.94	36.1	274.977134	234.752911
10.9	3.90E+00	3.700	1.000	3.051	0.825	30.700	192.2	16.74361	1186	9.94	36.1	266.711558	233.939809
10.6	3.90E+00	3.700	1.000	3.050	0.824	29.800	192.2	16.62645	1170	9.94	36.4	268.43871	232.548749
10.6	3.90E+00	3.700	1.000	3.050	0.824	29.600	192.2	16.4087	1162	9.94	36.5	267.199074	231.173684
10.5	3.90E+00	3.600	1.100	2.969	0.906	29.900	192.2	15.83641	1103	9.336	32.4	276.940192	229.755773
10.5	3.90E+00	3.600	1.100	2.972	0.908	27.900	192.2	14.8236	1089	9.31	35.3	288.672237	227.767532
9.8	3.90E+00	3.600	1.100	2.975	0.909	30.500	192.2	13.87386	1031	8.69	39.7	293.910209	225.646028
9.8	3.90E+00	3.600	1.100	2.982	0.911	27.200	192.2	14.42804	1036	8.07	47.6	287.690816	225.972698
9	3.90E+00	3.600	1.100	2.986	0.912	28.800	192.2	14.852	1049	8.525	39.9	288.55625	227.233069
9	3.90E+00	3.600	1.100	2.983	0.911	27.300	192.2	13.87025	981	8.552	31	282.939778	226.607307
9	3.90E+00	3.600	1.100	2.971	0.908	27.900	192.2	13.906	939	8.033	27.6	276.305682	224.54303
9	3.90E+00	3.600	1.100	2.960	0.905	28.300	192.2	14.3875	873	7.45	27.2	269.157203	222.853297
8.2	3.90E+00	3.600	1.100	2.969	0.907	26.700	192.2	15.08	854	7.45	28.2	256.287187	220.310204
8.2	3.90E+00	3.600	1.100	2.981	0.911	28.600	192.2	15.60911	839	6.83	28.9	254.5	218.503762
7.7	3.90E+00	3.600	1.100	2.992	0.914	26.100	192.2	15.48951	838	6.83	31.7	254.944888	217.362457
7.7	3.90E+00	3.600	1.100	2.999	0.916	28.400	192.2	15.53351	831	6.83	31.5	267.116411	216.687333
7.4	3.90E+00	3.600	1.100	3.003	0.918	25.300	192.2	15.59185	833	6.83	33.2	273.476346	216.4
7.4	3.90E+00	3.600	1.100	3.004	0.918	23.700	192.2	15.29706	826	6.83	34.4	277.782264	216.4
7.7	3.80E+00	3.500	1.100	2.920	0.918	22.900	192.2	15.81559	833	6.669	33.8	277.133333	216.4

1.37069	1.8254	11.37504	18228.047
1.37091	1.82586	11.37979	18231.925
1.37113	1.82631	11.38377	18236.459
1.37127	1.82661	11.38556	18239.274
1.37138	1.82684	11.38686	18241.284
1.37149	1.82707	11.38828	18242.954
1.37161	1.82732	11.38983	18244.517
1.37173	1.82756	11.39183	18246.15
1.37186	1.82784	11.39379	18248.035
1.37199	1.82812	11.39549	18250.049
1.37212	1.82842	11.39721	18252.046
1.37225	1.82871	11.39895	18254.023
1.37238	1.829	11.40088	18255.996
1.37252	1.82933	11.40291	18258.019
1.37266	1.82964	11.40496	18260.071
1.3728	1.82998	11.40701	18262.168
1.37294	1.83034	11.40906	18264.261
1.37308	1.83071	11.41111	18266.309
1.37322	1.83104	11.41324	18268.257
1.37334	1.83131	11.41512	18270.034
1.37346	1.83159	11.41691	18271.64
1.37357	1.83183	11.41873	18272.978
1.37368	1.83208	11.42052	18274.167
1.37378	1.83231	11.42238	18275.291
1.37388	1.83254	11.4241	18276.399
1.37398	1.83277	11.42581	18277.515
1.37408	1.83299	11.42746	18278.627
1.37418	1.83324	11.42903	18279.746
1.37428	1.83346	11.43059	18280.925
1.37438	1.83371	11.43214	18282.129
1.37448	1.83394	11.43367	18283.325
1.37458	1.83417	11.43518	18284.5
1.37467	1.83439	11.43667	18285.595
1.37476	1.83459	11.43819	18286.632
1.37485	1.8348	11.43964	18287.599
1.37494	1.83499	11.4411	18288.519
1.37503	1.83518	11.44255	18289.396
1.37511	1.83536	11.44404	18290.274
1.37519	1.83554	11.44551	18291.246
1.37528	1.83574	11.4469	18292.355
1.37537	1.83593	11.4482	18293.453
1.37547	1.83614	11.44964	18294.46
1.37557	1.83634	11.45134	18295.386
1.37567	1.83655	11.4532	18296.249
1.37577	1.83674	11.45504	18297.077
1.37587	1.83692	11.45681	18297.902
1.37597	1.83709	11.45858	18298.735

11:32:26.351	-8	0.0001	0.00018	0.00179	0.855	0.000083
11:32:27.351	-8	0.00013	0.00028	0.00242	1.202	0.000117
11:32:28.351	-8	0.0002	0.00039	0.0049	2.306	0.000224
11:32:29.351	-8	0.00023	0.00049	0.00595	3.719	0.000361
11:32:30.351	-8	0.00017	0.00036	0.00383	3.263	0.000316
11:32:31.351	-8	0.00009	0.00018	0.00142	1.647	0.00016
11:32:32.351	-8	0.0001	0.00021	0.00128	1.636	0.000158
11:32:33.351	-8	0.00009	0.00017	0.00076	1.252	0.000121
11:32:34.351	-8	0.00009	0.00019	0.00084	0.893	0.000087
11:32:35.351	-8	0.00009	0.00017	0.00107	0.643	0.000062
11:32:36.351	-8	0.00009	0.00019	0.0013	0.562	0.000055
11:32:37.351	-8	0.00009	0.00017	0.00151	0.638	0.000062
11:32:38.351	-8	0.00009	0.00018	0.00175	0.743	0.000072
11:32:39.351	-8	0.00009	0.00018	0.00174	0.822	0.00008
11:32:40.351	-8	0.00009	0.00016	0.00157	0.871	0.000085
11:32:41.351	-8	0.00009	0.0002	0.00153	1.023	0.000099
11:32:42.351	-8	0.00009	0.00017	0.00141	1.032	0.0001
11:32:43.351	-8	0.00009	0.00019	0.00138	0.992	0.000096
11:32:44.351	-8	0.00009	0.00018	0.00171	1.031	0.0001
11:32:45.351	-8	0.0001	0.00018	0.00162	1.1	0.000107
11:32:46.351	-8	0.00009	0.00018	0.00149	1.133	0.00011
11:32:47.351	-8	0.00009	0.00017	0.00152	1.161	0.000113
11:32:48.351	-8	0.0001	0.00019	0.0016	1.172	0.000114
11:32:49.351	-8	0.0001	0.00018	0.00162	1.184	0.000115
11:32:50.351	-8	0.0001	0.00019	0.00168	1.227	0.000119
11:32:51.351	-8	0.00011	0.00021	0.0021	1.351	0.000131
11:32:52.351	-8	0.00011	0.00021	0.00219	1.358	0.000132
11:32:53.351	-8	0.00011	0.00021	0.00206	1.293	0.000125
11:32:54.351	-8	0.0001	0.00019	0.00193	1.32	0.000128
11:32:55.351	-8	0.0001	0.0002	0.00166	1.297	0.000126
11:32:56.351	-8	0.0001	0.00018	0.00152	1.375	0.000133
11:32:57.351	-8	0.0001	0.00019	0.00148	1.264	0.000123
11:32:58.351	-8	0.00011	0.00019	0.00179	1.206	0.000117
11:32:59.351	-8	0.00011	0.00019	0.00182	1.167	0.000113
11:33:00.351	-8	0.0001	0.00018	0.00163	1.031	0.0001
11:33:01.351	-8	0.0001	0.00017	0.00171	1.047	0.000102
11:33:02.351	-8	0.0001	0.00019	0.00169	1.072	0.000104
11:33:03.351	-8	0.0001	0.00017	0.0016	1.108	0.000107
11:33:04.351	-8	0.0001	0.0002	0.00165	1.123	0.000109
11:33:05.351	-8	0.0001	0.00018	0.00171	1.15	0.000112
11:33:06.351	-8	0.0001	0.00019	0.00169	1.186	0.000115
11:33:07.351	-8	0.0001	0.00019	0.00159	1.182	0.000115
11:33:08.351	-8	0.0001	0.00019	0.00159	1.166	0.000113
11:33:09.351	-8	0.0001	0.0002	0.0017	1.146	0.000111
11:33:10.351	-8	0.0001	0.00018	0.00172	1.141	0.000111
11:33:11.351	-8	0.0001	0.0002	0.00171	1.131	0.00011
11:33:12.351	-8	0.0001	0.00019	0.00171	1.129	0.00011

7.7	3.80E+00	3.500	1.100	2.918	0.917	24.200	192.2	15.58886	822	6.21	35.4	275.543186	216.4
7.2	3.80E+00	3.500	1.100	2.914	0.916	27.500	192.2	18.75212	1128	6.027	53.1	279.715385	218.456546
7.2	3.90E+00	3.500	1.200	2.890	0.991	24.600	192.2	35.71635	1582	6.531	75.3	284.618045	232.470652
7	3.80E+00	3.500	1.200	2.840	0.974	26.900	192.2	43.212	1819	8.07	56.2	280.150394	252.990968
7.1	3.80E+00	3.500	1.200	2.815	0.965	26.000	192.2	29.24032	1461	9.918	39.8	278.859281	263.004762
9.9	3.80E+00	3.500	1.200	2.815	0.965	25.900	192.2	11.82171	1087	9.94	20.1	273.506941	257.357426
9.9	3.90E+00	3.500	1.300	2.827	1.050	27.800	192.2	15.62253	917	9.716	11.8	268.92551	247.406856
10.5	3.90E+00	3.500	1.300	2.860	1.062	25.100	192.2	13.69686	837	8.488	18.7	264.773904	237.832909
10.4	4.10E+00	3.600	1.300	2.983	1.078	27.400	192.2	13.73106	804	7.271	28.5	263.386667	232.280864
8.3	4.10E+00	3.600	1.300	3.018	1.090	24.600	192.2	14.51469	817	6.048	34.2	262.533988	229.522561
8.2	4.10E+00	3.600	1.300	3.028	1.094	27.200	192.2	14.58698	827	4.812	32.5	261.325	227.889849
6.4	4.10E+00	3.600	1.300	3.019	1.090	25.800	192.2	13.98722	776	2.608	40.7	256.334	226.17341
6.2	4.10E+00	3.600	1.300	3.006	1.086	26.400	192.2	14.63585	786	1.24	42	253.09625	226.969014
0	4.20E+00	3.700	1.300	3.079	1.082	27.100	192.2	16.15414	780	0.324	37.1	253.737762	227.9
0	4.10E+00	3.700	1.300	3.067	1.078	24.900	192.2	13.21397	762	0	30.1	253.430137	227.480645
0	4.10E+00	3.700	1.300	3.052	1.073	28.600	192.2	14.53483	795	1.681	41.3	257.234906	227.1519
0.1	4.10E+00	3.700	1.300	3.051	1.072	24.600	192.2	14.09658	784	2.48	41.2	261.381731	228.213333
2.9	4.10E+00	3.700	1.300	3.056	1.074	27.900	192.2	14.39816	779	1.86	42.1	265.850567	229.30719
2.9	4.10E+00	3.700	1.300	3.051	1.072	26.200	192.2	14.34815	776	1.24	42.8	264.834151	230.251881
2.1	4.20E+00	3.700	1.400	3.043	1.151	26.300	192.2	14.41	788	0.62	42.4	264.060606	230.884431
2.1	4.20E+00	3.700	1.400	3.039	1.150	26.500	192.2	14.06347	774	0.62	40.1	264.075566	231.1
0.9	4.20E+00	3.700	1.400	3.036	1.149	25.600	192.2	14.27445	775	0.62	41.1	264.38018	231.500645
0.9	4.30E+00	3.700	1.500	3.036	1.231	27.400	192.2	14.27	782	0.62	43.5	268.64566	231.7
1.2	4.30E+00	3.700	1.500	3.036	1.231	25.000	192.2	17.03705	783	0.62	39.2	272.011132	232.28895
1.1	4.20E+00	3.600	1.500	2.954	1.231	26.500	192.2	14.51688	758	0	37	272.04757	231.270427
0	4.20E+00	3.600	1.500	2.954	1.231	25.900	192.2	16.3429	897	1.101	45.5	267.259791	232.355322
0.1	4.20E+00	3.600	1.500	2.955	1.231	26.300		17.03944	986	2.46	43.9	264.258197	234.370381
2.9	4.30E+00	3.700	1.500	3.034	1.231	28.100		14.12211	936	3.68	40.9	264.953669	235.522068
2.9	4.30E+00	3.700	1.500	3.026	1.227	25.900		15.93241	948	3.73	35.5	265.467008	236.020999
4	4.30E+00	3.800	1.500	3.097	1.223	29.000		13.34564	780	3.144	37.2	264.088542	233.540887
3.9	4.40E+00	3.800	1.600	3.099	1.305	25.000		14.98327	812	1.918	37.7	263.716667	232.376121
2.6	4.40E+00	3.800	1.600	3.109	1.309	27.800	192.2	13.33825	798	0.18	32.6	264.295652	231.668627
2.5	4.40E+00	3.800	1.600	3.121	1.314	26.700	192.2	14.58913	754	0.037	38.8	258.097656	228.697611
0	4.4	3.800	1.600	3.126	1.316	26.400	192.2	15.26361	791	2.151	42.1	254.185526	230.34724
0.1	4.5	3.800	1.600	3.136	1.320	26.500	192.2	14.17164	768	3.289	37.1	253.79353	229.8
3.6	4.5	3.800	1.600	3.133	1.319	25.600	192.2	13.98073	787	3.11	40.9	252.439633	229.8
3.6	4.4	3.700	1.600	3.047	1.317	28.300	192.6	14.08	771	1.86	40.5	250.455028	229.8
2.5	4.4	3.700	1.600	3.043	1.316	25.400	192.9	14.3559	785	1.86	43.2	249.964684	230.081783
2.5	4.4	3.700	1.600	3.040	1.315	28.900	193.3	14.18355	782	1.24	41.6	254.015306	230.5
1.7	4.4	3.700	1.600	3.038	1.314	27.100	193.7	14.16	781	0.528	40.7	258.9	230.5
1.6	4.4	3.700	1.700	3.035	1.393	27.100	194	14.24785	778	0	40.3	257.46963	230.5
0	4.4	3.700	1.700	3.035	1.394	27.500	194	14.23635	778	0	39.6	257.001538	230.0576
0	4.4	3.700	1.700	3.037	1.395	27.700	194	14.28493	779	0	39.7	258.083879	229.329362
0	4.4	3.700	1.700	3.039	1.396	29.000	194	14.09731	778	0	40.3	262.199385	229.1
0	4.4	3.600	1.700	2.959	1.397	26.100	194	14.35757	781	0	40	262.836667	229.1
0	4.4	3.600	1.700	2.958	1.397	29.000	194	14.23568	779	0	40.2	258.446036	229.1
0	4.4	3.600	1.700	2.958	1.397	27.800	194	14.17915	779	0	40.4	255.177494	229.1

1.37607	1.83727	11.46037	18299.59
1.3762	1.83755	11.46279	18300.792
1.3764	1.83794	11.46769	18303.098
1.37663	1.83843	11.47364	18306.817
1.3768	1.83879	11.47747	18310.08
1.37689	1.83897	11.47889	18311.727
1.37699	1.83918	11.48017	18313.363
1.37708	1.83935	11.48093	18314.615
1.37717	1.83954	11.48177	18315.508
1.37726	1.83971	11.48284	18316.151
1.37735	1.8399	11.48414	18316.713
1.37744	1.84007	11.48565	18317.351
1.37753	1.84025	11.4874	18318.094
1.37762	1.84043	11.48914	18318.916
1.37771	1.84059	11.49071	18319.787
1.3778	1.84079	11.49224	18320.81
1.37789	1.84096	11.49365	18321.842
1.37798	1.84115	11.49503	18322.834
1.37807	1.84133	11.49674	18323.865
1.37817	1.84151	11.49836	18324.965
1.37826	1.84169	11.49985	18326.098
1.37835	1.84186	11.50137	18327.259
1.37845	1.84205	11.50297	18328.431
1.37855	1.84223	11.50459	18329.615
1.37865	1.84242	11.50627	18330.842
1.37876	1.84263	11.50837	18332.193
1.37887	1.84284	11.51056	18333.551
1.37898	1.84305	11.51262	18334.844
1.37908	1.84324	11.51455	18336.164
1.37918	1.84344	11.51621	18337.461
1.37928	1.84362	11.51773	18338.836
1.37938	1.84381	11.51921	18340.1
1.37949	1.844	11.521	18341.306
1.3796	1.84419	11.52282	18342.473
1.3797	1.84437	11.52445	18343.504
1.3798	1.84454	11.52616	18344.551
1.3799	1.84473	11.52785	18345.623
1.38	1.8449	11.52945	18346.731
1.3801	1.8451	11.5311	18347.854
1.3802	1.84528	11.53281	18349.004
1.3803	1.84547	11.5345	18350.19
1.3804	1.84566	11.53609	18351.372
1.3805	1.84585	11.53768	18352.538
1.3806	1.84605	11.53938	18353.684
1.3807	1.84623	11.5411	18354.825
1.3808	1.84643	11.54281	18355.956
1.3809	1.84662	11.54452	18357.085

11:33:13.351	-8	0.0001	0.0002	0.00173	1.139	0.000111
11:33:14.351	-8	0.00011	0.00024	0.00186	1.229	0.000119
11:33:15.351	-8	0.0001	0.00021	0.00183	1.203	0.000117
11:33:16.351	-8	0.0001	0.00022	0.00174	1.124	0.000109
11:33:17.351	-8	0.0001	0.00019	0.0017	1.036	0.000101

0	4.4	3.600	1.700	2.958	1.397	28.900	194	14.20433	779	0	40.1	253.617378	229.008249
0	4.4	3.600	1.700	2.958	1.397	31.800	194	15.27986	783	0	37.5	252.388778	228.205975
0	4.4	3.600	1.700	2.959	1.397	28.500	194	14.75145	781	0	31	252.805871	225.999708
0	4.4	3.600	1.700	2.962	1.399	32.100	194	14.02088	770	0	28.5	251.750833	221.800109
0	4.4	3.600	1.700	2.970	1.403	28.400	194	14.04171	777	0	29	243.779079	218.981258

1.381	1.84682	11.54625	18358.224
1.38111	1.84706	11.54811	18359.453
1.38121	1.84727	11.54994	18360.656
1.38131	1.84749	11.55168	18361.78
1.38141	1.84768	11.55338	18362.816