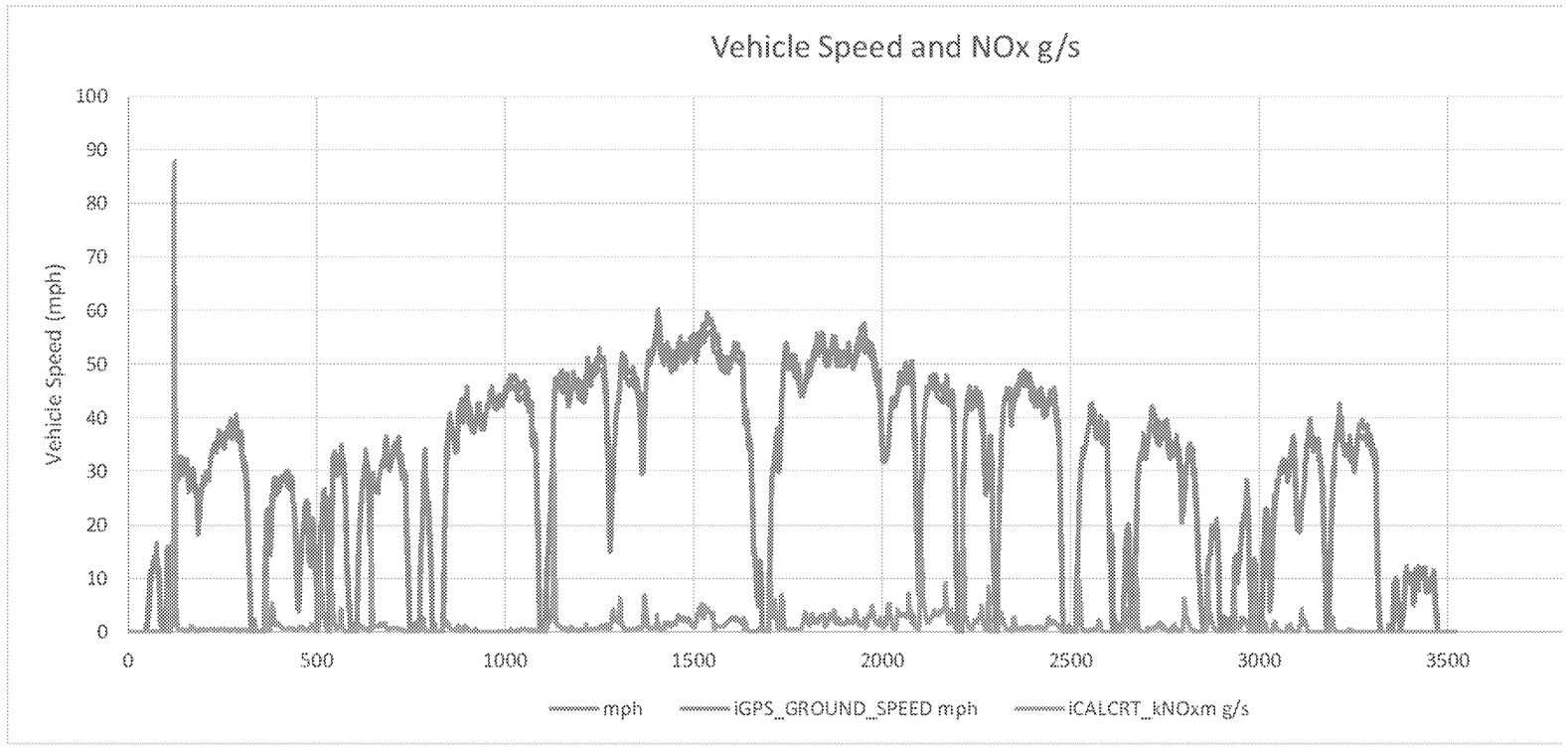
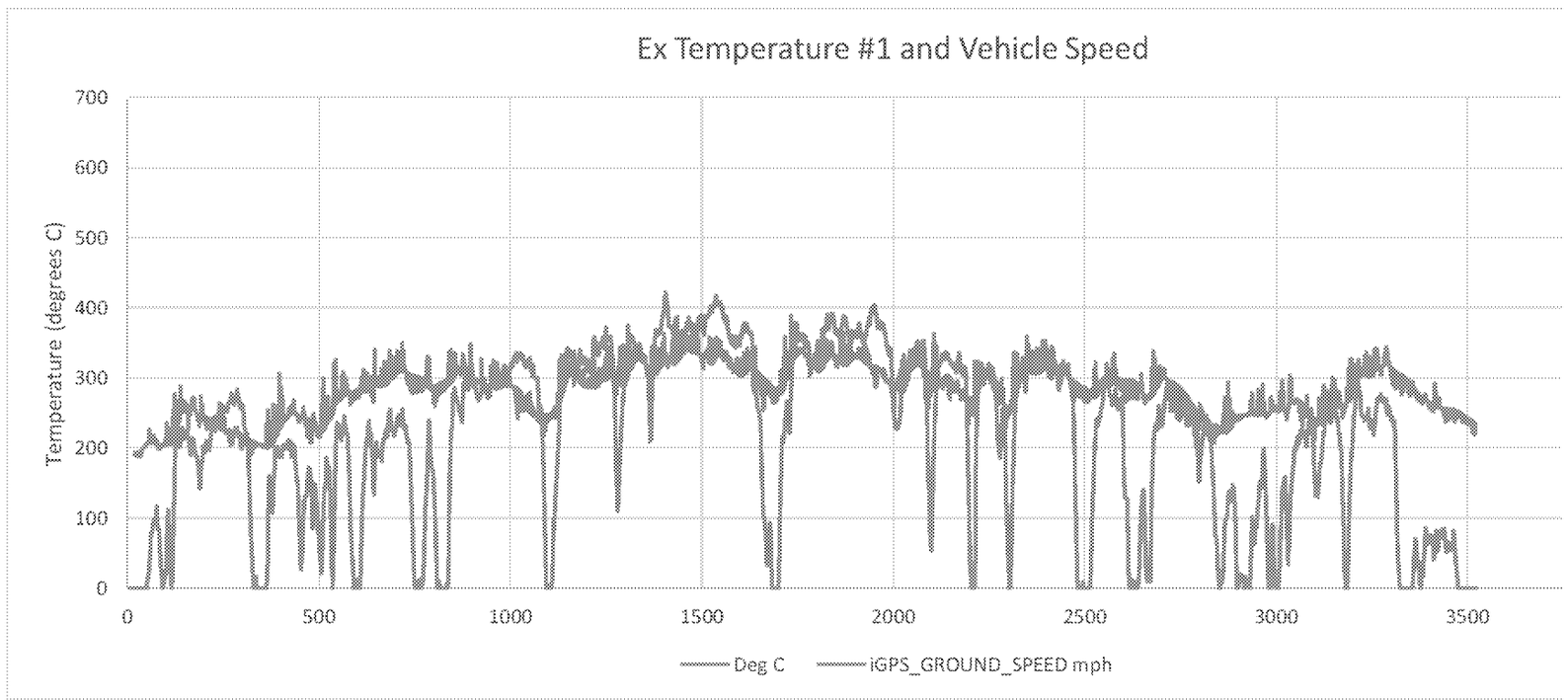
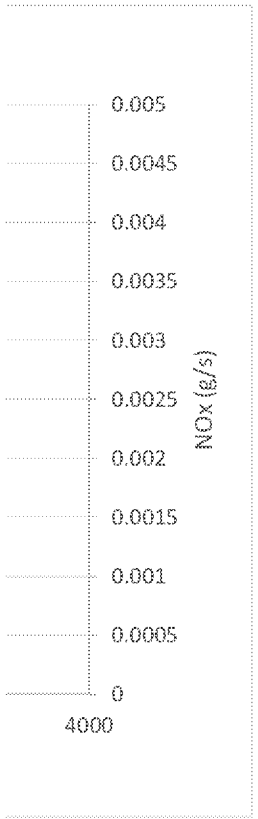
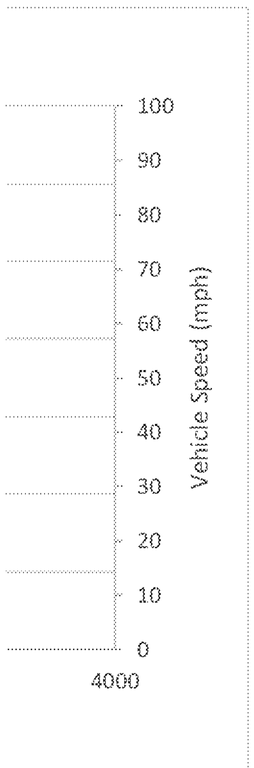
Test Duration (s)	3522
Calculated Test Duration (s)	3522
Average Ambient Temperature (deg C)	20.38
Calculated Average Ambient Temperature (deg C)	20.38
Total Distance Traveled (mi)	28.748
Calculated Total Distance Traveled (mi)	29.867
Total Fuel Consumed (gal)	0.899
Calculated Total Fuel Consumed (gal)	0.899
Overall Fuel Economy (mpg)	31.97
Calculated Overall Fuel Economy (mpg)	33.21
CO2 (g)	9231.41
Calculated CO2 (g)	9231.38
CO (g)	5.476
Calculated CO (g)	5.477
kNOx (g) (corrected NOx)	0.229
Calculated kNOx (g) (corrected NOx)	0.229
THC (g)	0.028
Calculated THC (g)	0.028
CO2 (g/mi)	321.1
Calculated CO2 (g/mi)	309.1
CO (g/mi)	0.190
Calculated CO (g/mi)	0.183
kNOx (g/mi) (corrected NOx)	0.008
Calculated kNOx (g/mi) (corrected NOx)	0.008
THC (g/mi)	0.001
Calculated THC (g/mi)	0.001
1st Measured ECT (deg C)	n/a
Test Start Time	12:39:56.038
Test Stop Time	13:38:37.038
Average Speed (mph)	30.5
Regeneration Event?	Yes
Average SCR temp (deg C)	n/a
Test Date	7/24/2017
Vehicle	2015 AUDI A7

sTIME	iSCB_LAT	iCALCRT_kNOxm	iCALCRT_HCm	iCALCRT_COm	iCALCRT_CO2m	iWfgps	iGPS_GROUND_SPEED
hh:mm:ss.xxx	deg C	g/s	g/s	g/s	g/s	gal/s	mph
12:39:56.038	20	0	0	0.00001	0	0	0



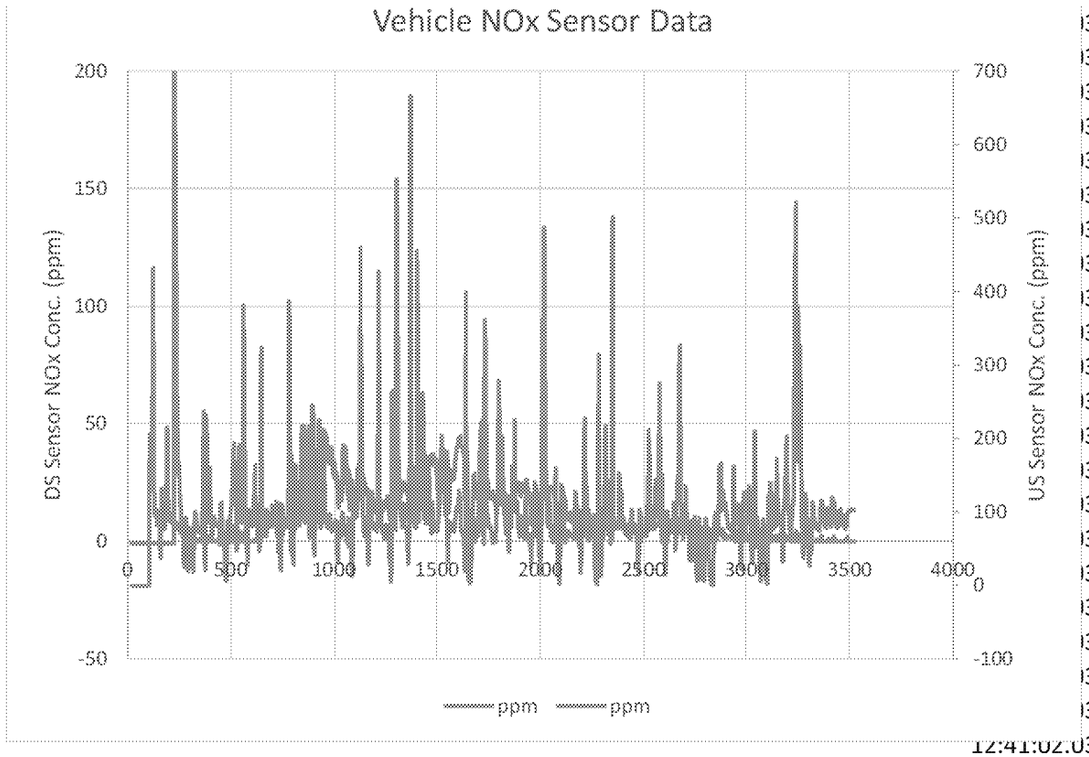


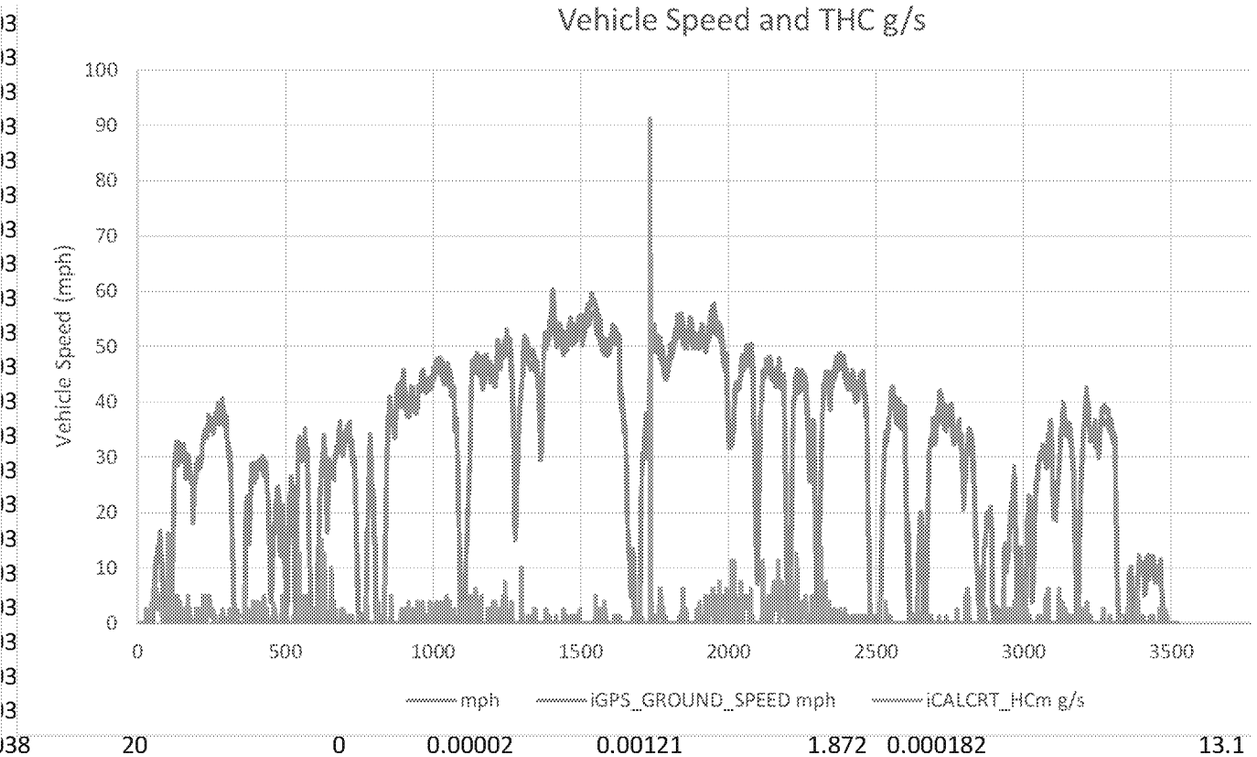




ikNOxzw	iNDUV_NO	iNDUV_NO2	ikNOzw	ikNO2zw	iFID_THC	iCOOL_TEMP	iMAF	iENG_SPEED	iVEH_SPEED	iENG_LOAD	iEGT_DPF	iEGT_11	iNOX_B1S1	iNOX_B1S2	sDPF_REGEN
ppm	ppm	ppm	ppm	ppm	ppmC	ECT deg F	g/s	rpm	mph	%	Deg C	Deg C	ppm	ppm	Regen 0/1
-	-1.500	-0.200	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000										
		-0.300	0.000	0.000	0.000			0	0	0	189.874244			-1	0
		-0.300	0.000	0.000	0.000			0	0	0	193.805038			-1	0
		-0.300	0.000	0.000	0.000			0	0	0	191.163934	202.269872	-1	-1	0
		-0.300	0.000	0.000	0.000			0	0	0	189.7	202.109615	-1	-1	0
		-0.300	0.000	0.000	0.000			0	0	0	189.7	201.949359	-1	-1	0
		-0.300	0.000	0.000	0.000			0	0	0	190.494205	201.789103	-1	-1	0
		-0.200	0.000	0.000	0.000			0	0	0	193.372438	199.829395	-1	-1	0
		-0.200	0.000	0.000	0.000			300	0	32.4	189.7	195.61632	-1	-1	0
		-0.100	0.000	0.000	0.000			776	0	15.3	190.11396	191.403245	-1	-1	0
		0.000	0.000	0.000	0.000			754	0	18.7	190.874595	187.190169	-1	-1	0
		0.000	0.000	0.000	1.400			751	0	24.7	188.607143	184.023009	-1	-1	0
		0.000	0.000	0.000	3.400			746	0	32.9	191.95122	183.140872	-1	-1	0
		0.000	0.000	0.000	4.000			754	0	35.7	192.931523	182.258736	-1	-1	0
		0.000	0.000	0.000	3.600			748	0	39.6	193.2	181.376599	-1	-1	0
		0.000	0.000	0.000	1.800			754	0	39.6	188.091489	180.870821	-1	-1	0
		0.000	0.000	0.000	0.500			750	0	39	194.656825	181.603959	-1	-1	0
		0.000	0.000	0.000	0.000			751	0	37.6	195.313428	182.337097	-1	-1	0
		0.000	0.000	0.000	0.000			751	0	36.6	195.7	183.070235	-1	-1	0
		0.000	0.000	0.000	0.000			744	0	49.9	189.966348	184.120745	-1	-1	0
		0.000	0.000	0.000	0.000			732	0	59.1	196.897426	187.104751	-1	-1	0
		0.000	0.000	0.000	0.000			750	0	57.7	197.4	190.088756	-1	-1	0
		0.000	0.000	0.000	0.400			751	0	60	198.078621	193.072762	-1	-1	0
		0.000	0.000	0.000	1.000			750	0	59.9	197.690865	196.056768	-1	-1	0
		0.000	0.000	0.000	1.000			748	0	59.1	199.118474	197.825716	-1	-1	0
		0.000	0.000	0.000	1.400			752	0	58.5	199.865415	199.5334	-1	-1	0
		0.000	0.000	0.000	3.200			749	0	58.8	200.5	201.241085	-1	-1	0
0.00E+00	-1.500	0.000	0.000	0.000	4.400			750	0	58.1	201.84871	202.948769	-1	-1	0
		0.000	0.000	0.000	5.000			751	0	57.5	201.7	204.327172	-1	-1	0

iEGR_POS	Accum kNOx	Accum THC	Accum CO	Accum CO2
	g	g	g	g
	0	0	0.00001	0
	0	0	0.00001	0
	0	0	0.00001	0
	0	0	0.00001	0
	0	0	0.00001	0
	0	0	0.00002	0
	0	0	0.00003	0
	0	0	0.00004	0
	0	0	0.00004	0
	0	0	0.00004	0
	0	0	0.00005	0
	0	0	0.00006	0
	0	0	0.00007	0
	0	0	0.00007	0
	0	0	0.00007	0
	0	0	0.00008	0
	0	0	0.00009	0
	0	0	0.0001	0
	0	0	0.00011	0
	0	0	0.00011	0
	0	0	0.00011	0
	0	0	0.00012	0
	0	0	0.00013	0
	0	0	0.00015	0.001
	0	0	0.00133	0.265
	0	0	0.00465	1.478
	0	0	0.00721	2.722
	0	0.00001	0.00934	3.925
	0	0.00003	0.01102	4.971
	0	0.00005	0.01204	5.772
	0	0.00007	0.01277	6.376
	0	0.00008	0.01331	6.879
	0	0.00008	0.01391	7.368
	0	0.00008	0.01465	7.915
	0	0.00008	0.01545	8.565
	0	0.00008	0.01621	9.362
	0	0.00008	0.01688	10.236
	0	0.00008	0.01741	11.204
	0	0.00008	0.01782	12.18
	0	0.00008	0.01815	13.165
	0	0.00008	0.01843	14.18
	0	0.00009	0.01876	15.254
	0	0.00011	0.01947	16.375
	0	0.00013	0.02006	17.545
	0	0.00015	0.02049	18.73





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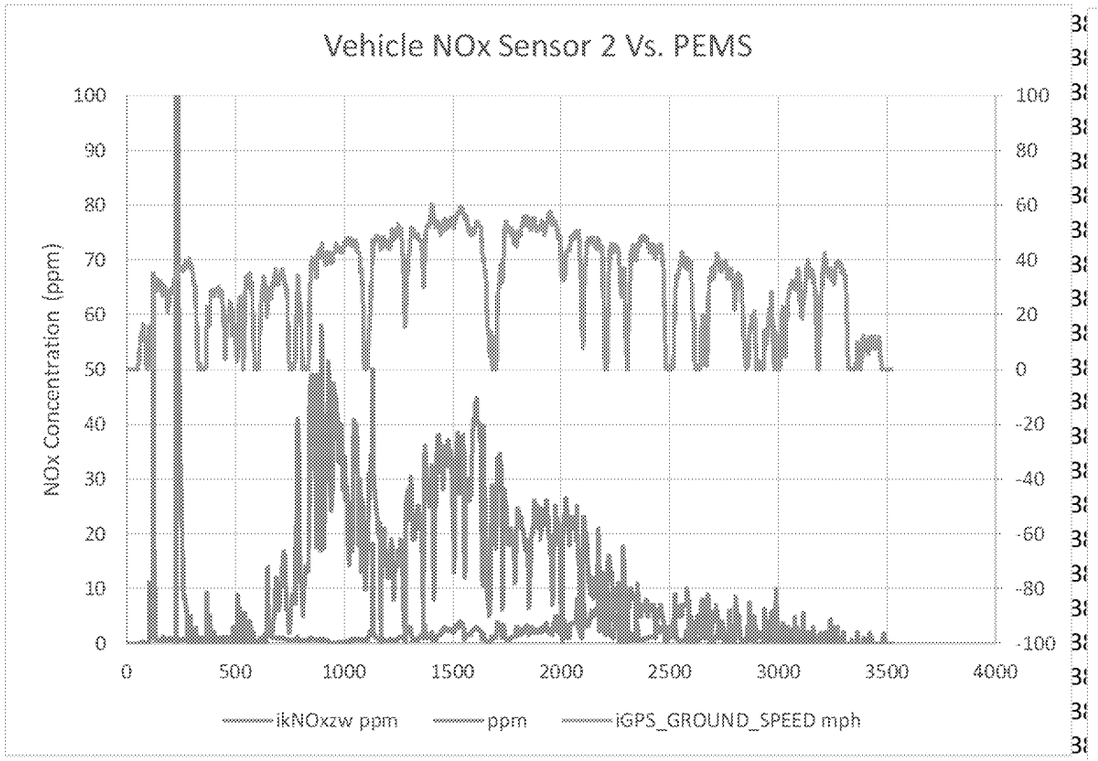
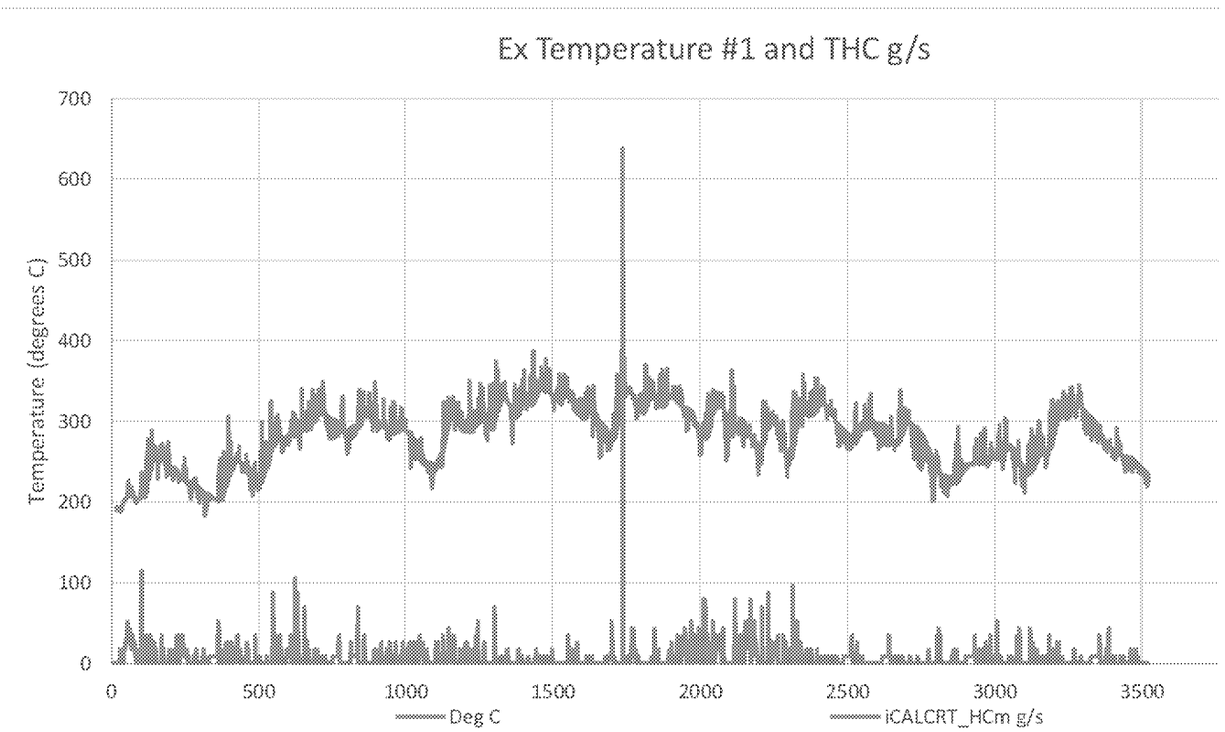
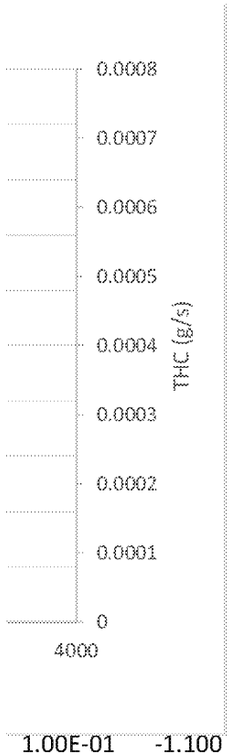


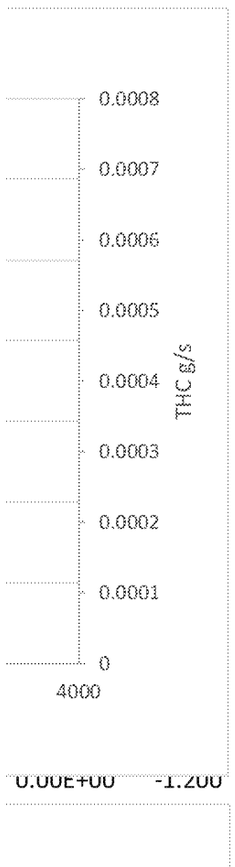


12:41:25.038 20 0 0 0.00094 0.797 0.000078 2

Accumulated CO and Vehicle Speed

Accumulated CO2 and Vehicle Speed





0.000	0.000	0.000	5.000	752	0	58.1	201.836066	205.695391	-1	-1	0
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0.000	0.000	0.000	6.000	755	1.009	59.4	204.370178	208.431829	-1	-1	0
0.000	0.000	0.000	6.000	749	1.24	57.7	204.076786	210.564849	-1	-1	0
0.000	0.000	0.000	6.000	749	1.764	57.6	204.083529	212.884314	-1	-1	0
0.000	0.000	0.000	6.000	760	2.482	59.6	204.2	215.203778	-1	-1	0
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0.000	0.000	0.000	6.000	946	4.722	59.3	208.634041	222.929057	-1	-1	0
0.000	0.000	0.000	6.000	1113	4.97	67.8	206.2	230.2105	-1	-1	0
0.100	0.000	0.082	6.000	1294	5.918	66.5	206.701667	237.491942	-1	-1	0
0.100	0.000	0.090	5.300	1195	7.945	54.6	206.9	244.773385	-1	-1	0
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0.100	0.000	0.092	5.000	1325	11.8	50.5	207.535376	236.639949	-1	-1	0
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0.300	0.000	0.278	3.800	1392	13.04	44.9	206.2	225.339141	-1	-1	0
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0.100	0.000	0.100	3.500	1085	10.815	0	204.9	189.46834	-1	-1	0
0.100	0.000	0.096	2.300	934	9.94	7.5	199.07394	181.332589	-1	-1	0
0.000	0.000	0.000	2.000	844	8.282	22.5	201.974361	179.878645	-1	-1	0
0.000	0.000	0.000	1.800	774	7.419	28	204.2	181.274716	-1	-1	0
0.000	0.000	0.000	0.800	735	5.259	39.3	204.2	182.670786	-1	-1	0
0.000	0.000	0.000	0.000	745	3.534	46.9	198.144012	184.066856	-1	-1	0
0.000	0.000	0.000	0.000	738	2.049	52.8	202.807588	188.261926	-1	-1	0
0.000	0.000	0.000	0.000	750	1.261	57.8	204.252111	193.018141	-1	-1	0
0.000	0.000	0.000	0.000	757	0.466	61.5	204.2	197.774355	-1	-1	0
0.000	0.000	0.000	0.000	758	0	60.3	204.082478	202.530569	-1	-1	0
0.000	0.000	0.000	0.000	754	0	48.8	204.08227	204.62367	-1	-1	0
0.000	0.000	0.000	0.000	776	0	27.4	203.804734	205.276475	-1	-1	0
0.100	0.000	0.084	1.400	751	0	36.4	204.177059	205.929279	-1	-1	0

0	0.00017	0.02086	19.931
0	0.0002	0.02121	21.176
0	0.00023	0.02149	22.423
0	0.00026	0.02176	23.646
0	0.00029	0.0221	24.865
0	0.00032	0.02253	26.32
0	0.00036	0.02301	28.149
0	0.0004	0.02344	29.92
0	0.00046	0.0241	32.328
0	0.00052	0.0245	34.961
0	0.00057	0.02542	37.559
0	0.00061	0.02643	40.404
0	0.00065	0.0272	43.356
0	0.00068	0.02766	45.758
0	0.00071	0.02814	48.292
0	0.00074	0.02862	50.668
0	0.00077	0.02896	52.728
0	0.00081	0.02946	54.633
0	0.00086	0.02995	56.636
0	0.0009	0.03038	58.278
0	0.00093	0.03156	59.934
0	0.00095	0.03277	61.806
0.00001	0.00097	0.03344	63.768
0.00002	0.001	0.03394	65.65
0.00003	0.00103	0.0345	67.461
0.00004	0.00106	0.0352	69.215
0.00005	0.0011	0.03608	70.896
0.00006	0.00113	0.0369	72.674
0.00007	0.00115	0.03797	74.436
0.00008	0.00117	0.03927	76.28
0.00009	0.0012	0.04034	78.185
0.0001	0.00123	0.04086	79.686
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0.00011	0.00131	0.04132	82.541
0.00011	0.00132	0.04134	82.928
0.00011	0.00133	0.04162	83.229
0.00011	0.00134	0.04209	83.487
0.00011	0.00134	0.04255	83.719
0.00011	0.00134	0.0431	83.962
0.00011	0.00134	0.04367	84.248
0.00011	0.00134	0.04438	84.593
0.00011	0.00134	0.04521	85.011
0.00011	0.00134	0.04609	85.565
0.00011	0.00134	0.04703	86.362
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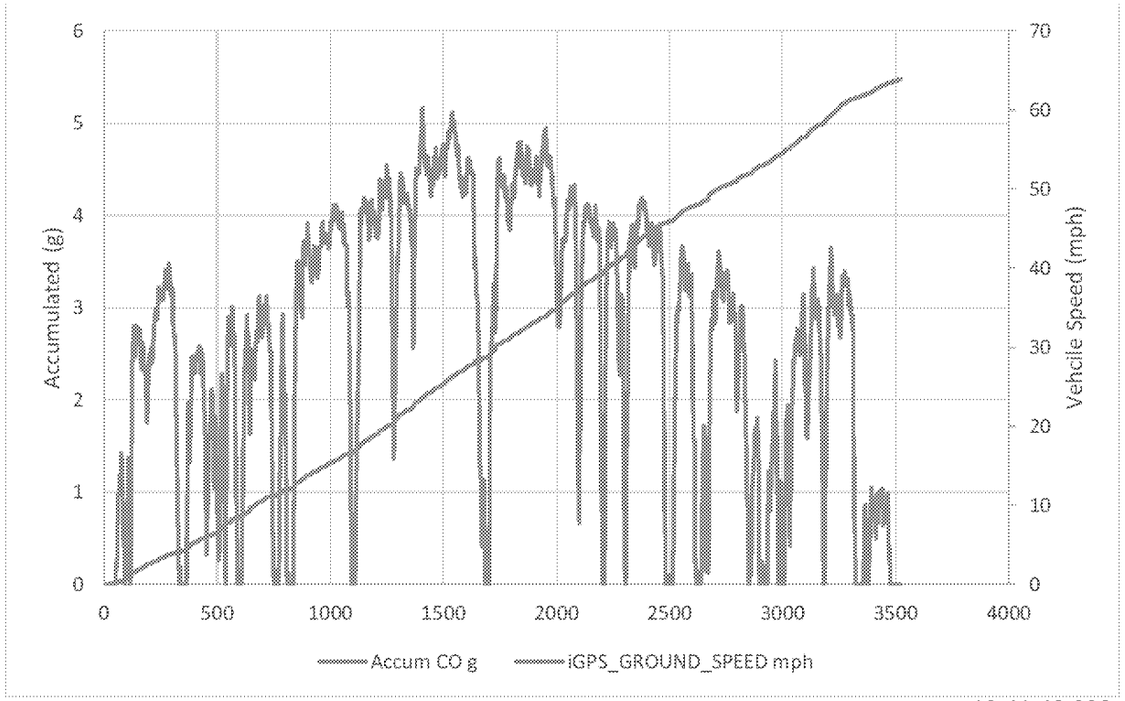
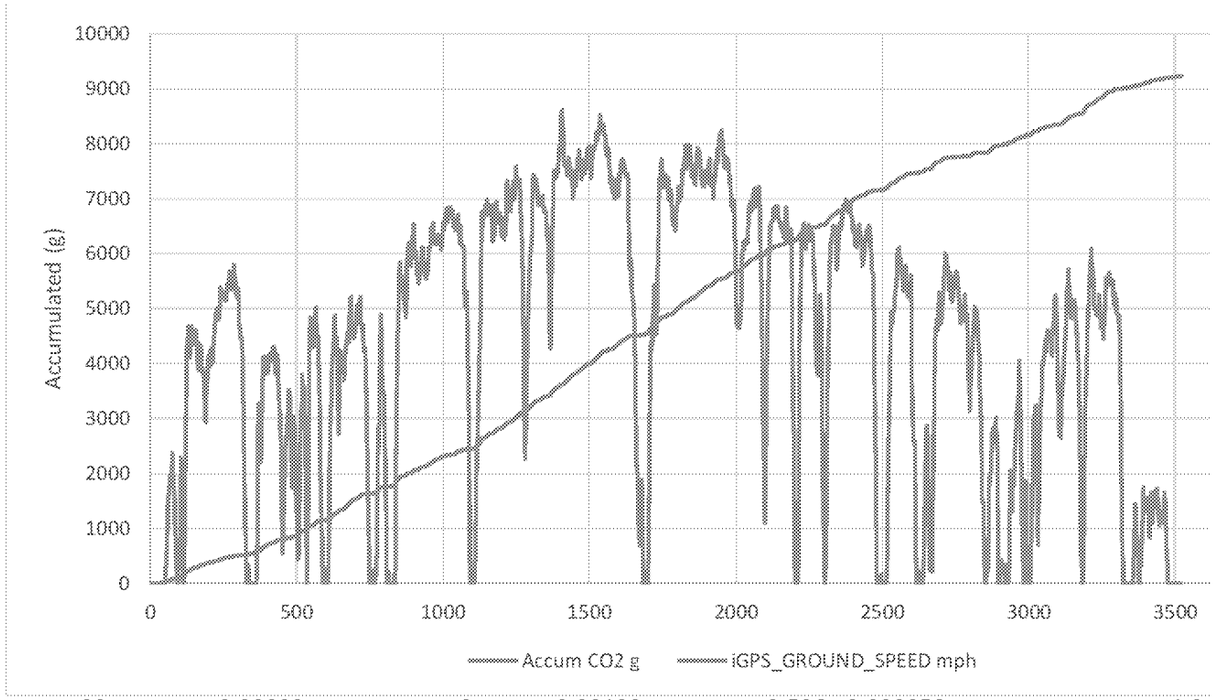
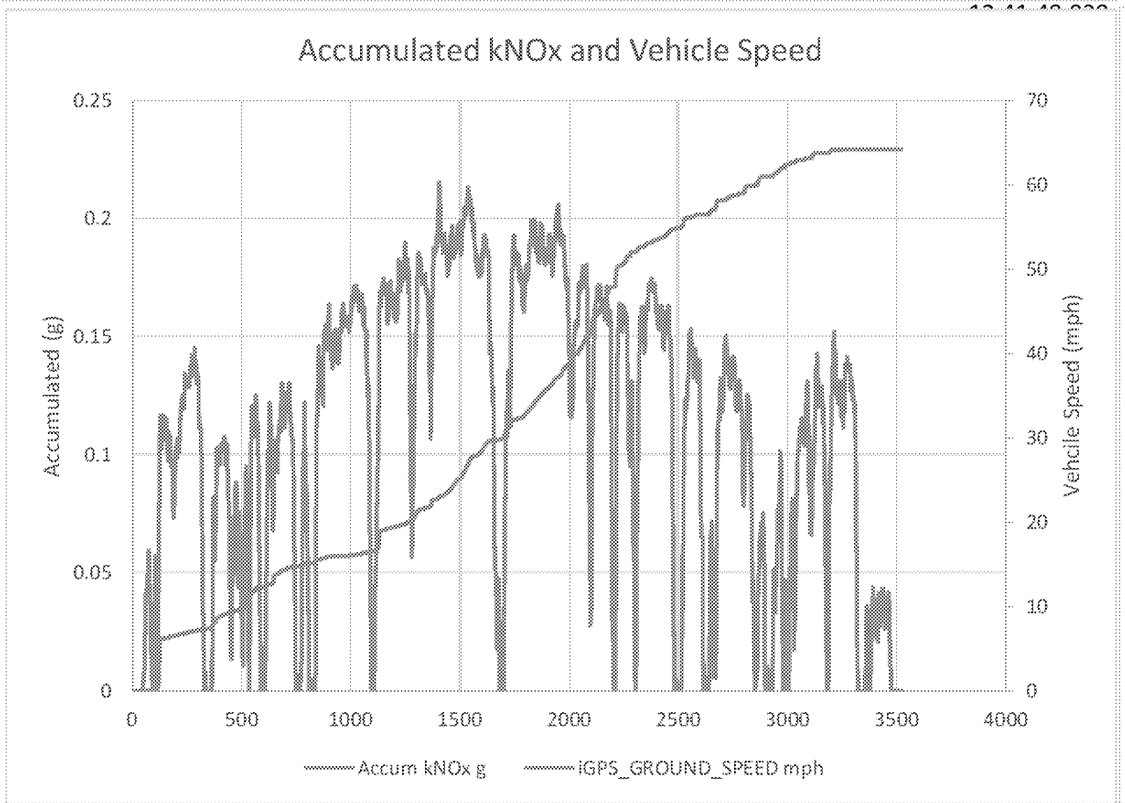
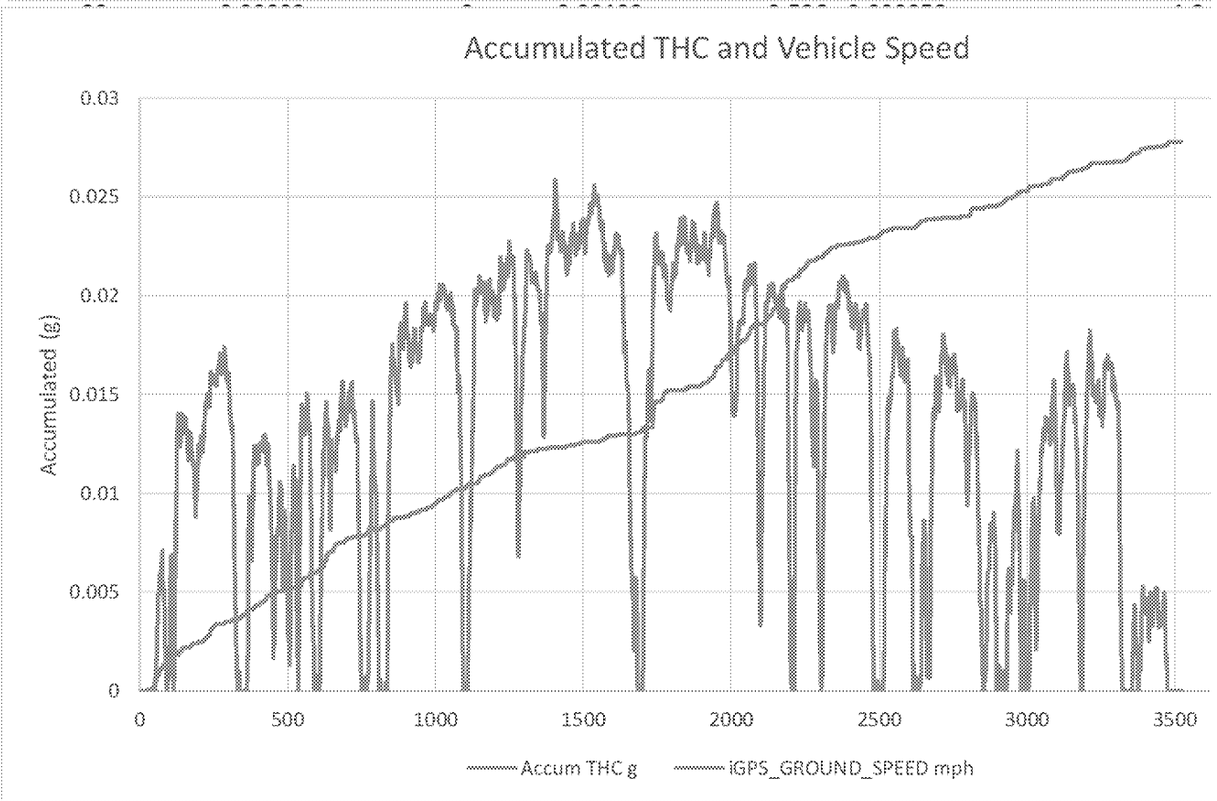
0.00011	0.00135	0.04933	88.973

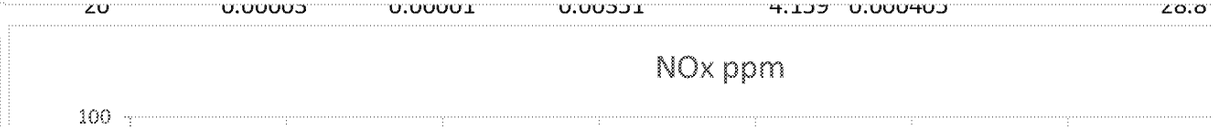

Accumulated (g)
Vehcile Speed (mph)
Accum CO g
iGPS_GROUND_SPEED mph

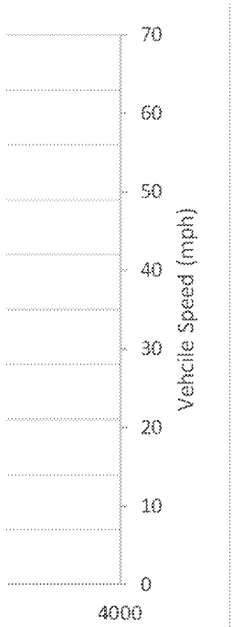

Accumulated (g)
Accum CO2 g
iGPS_GROUND_SPEED mph

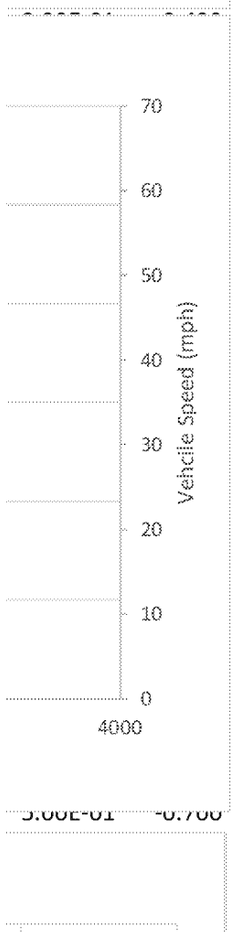

Accumulated kNOx and Vehicle Speed
Accumulated (g)
Vehcile Speed (mph)
Accum kNOx g
iGPS_GROUND_SPEED mph


Accumulated THC and Vehicle Speed
Accumulated (g)
Accum THC g
iGPS_GROUND_SPEED mph

Engine Speed and EGR Command


NOx ppm





0.100	0.000	0.092	3.000	742	0	44.1	204.487484	206.582084	-1	-1	0
0.100	0.000	0.092	3.400	740	0	49.5	204.962071	208.692247	-1	-1	0
0.100	0.000	0.092	3.800	753	0	52	203.811634	212.185906	-1	-1	0
0.100	0.000	0.093	3.000	1095	1.65	78.7	204.102931	215.679564	-1	-1	0
0.100	0.000	0.093	1.800	872	3.136	57.1	204.2	219.173223	-1	-1	0
0.100	0.000	0.093	1.000	756	3.73	50.5	210.906519	226.817621	-1	-1	0
0.100	0.000	0.092	1.000	763	3.73	52.5	204.2	242.73864	-1	-1	0
0.100	0.000	0.092	2.200	945	4.129	72.2	204.2	258.65966	-1	-1	0
0.200	0.000	0.182	3.400	1659	6.34	84.6	204.2	274.58068	-1	-1	0
0.400	0.000	0.343	3.900	2030	10.417	77.8	235.939281	284.839257	-1	-1	0
2.900	2.879	2.609	0.900	1823	14.33	45.1	205.5	283.755945	32.111587	-1	0
5.100	5.630	4.646	0.000	1620	15.53	28.6	206.064308	282.672633	85.260202	-1	0
5.500	5.989	5.066	0.000	1509	14.805	0.4	206.884789	281.589322	138.408816	-1	0
4.900	5.278	4.604	0.000	1239	12.384	0.1	230.220779	276.757354	191.557431	-1	0
3.400	3.533	3.151	0.000	890	8.298	25.9	206.2	267.453307	206.45284	-1	0
2.400	2.327	2.319	0.000	744	4.078	51.3	205.61911	258.14926	201.020741	-1	0
1.900	1.373	1.832	0.000	756	1.159	50.2	207.684	248.845212	195.588642	-1	0
1.500	0.881	1.459	0.000	746	0.398	52.1	218.771176	243.051526	190.156543	-1	0
1.100	0.501	1.078	0.000	753	0	54	205.78951	242.436492	181.959016	-1	0
1.000	0.114	0.956	0.000	757	0	51.9	205.865394	241.821458	171.940801	-1	0
1.000	0.000	0.945	0.000	761	0	51.1	205.935714	241.206424	161.922587	-1	0
1.000	0.000	0.934	0.000	754	0	65.9	220.196202	240.900516	151.904372	-1	0
1.000	0.000	0.921	0.400	1509	0.869	82.1	206.2	262.36597	144.830504	-1	0
1.000	0.000	0.904	2.000	1672	4.824	83.4	206.406588	283.831424	148.766544	-1	0
1.000	0.000	0.891	2.000	1600	8.307	60.9	207.22785	305.296877	152.702583	-1	0
1.200	0.000	1.060	1.600	1672	10.82	73.1	253.133086	326.762331	156.638622	-1	0
1.300	0.000	1.159	0.000	1723	13.643	95.8	212.413287	351.391974	169.589545	-1	0
1.400	0.800	1.234	0.000	2004	18.456	84.3	211.01409	376.198704	235.271364	-1	0
3.500	19.855	3.118	0.000	1782	22.769	62.4	214.13403	401.005434	300.953182	-1	0
6.300	45.627	5.683	0.000	1830	26.032	55.6	245.305	425.812165	366.635	-1	0
7.400	60.842	6.680	0.000	1935	27.651	66.8	277.452804	431.240954	432.316818	-1	0
7.300	51.753	6.590	0.000	1932	28.838	61.7	221.698058	420.750887	386.312674	-1	0
5.500	31.539	4.976	0.000	1645	29.81	68.5	222.967237	410.260821	302.281407	-1	0
3.600	16.002	3.246	0.000	1665	30.1	72	259.655238	399.770755	218.25014	-1	0
2.400	7.828	2.211	0.000	1690	30.44	72.5	230.366003	388.26485	145.886053	-1	0
1.800	4.418	1.655	0.200	1708	31.05	61.2	228.053693	376.46233	132.996133	-1	0
1.600	2.398	1.450	1.000	1702	31.05	45.4	229.975406	364.65981	120.106213	-1	0
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1.100	0.568	1.027	4.000	1654	30.339	35.6	232.461224	342.222322	97.709109	-1	0
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0.800	0.000	0.753	3.300	1603	28.936	48	234.950295	321.255817	95.667772	-1	0
0.600	0.000	0.567	2.300	1583	28.57	61.6	263.321451	310.772565	94.647104	-1	0
0.600	0.000	0.555	1.500	1589	28.716	73.4	238.459006	324.609682	94.861582	-1	0
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0.600	0.000	0.541	0.000	1643	29.81	78.7	242.864371	353.582336	99.56968	-1	0
0.600	0.000	0.538	0.000	1669	30.284	68.9	288.763636	368.068662	101.923729	-1	0
0.600	0.000	0.539	0.000	1691	30.43	56.2	252.174793	361.063252	103.353963	-1	0

0.00011	0.00137	0.04995	90.182
0.00011	0.00139	0.05054	91.305
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0.00011	0.00143	0.05147	93.513
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0.00012	0.00154	0.0587	104.106
0.00016	0.00167	0.0678	114.254
0.0005	0.00169	0.07105	119.874
0.0009	0.00169	0.07152	122.828
0.00125	0.00169	0.07173	124.739
0.00145	0.00169	0.07211	125.764
0.00158	0.00169	0.07258	126.596
0.00166	0.00169	0.07279	127.194
0.00171	0.00169	0.07298	127.574
0.00175	0.00169	0.07316	127.83
0.00177	0.00169	0.07356	128.092
0.00179	0.00169	0.07435	128.49
0.00181	0.00169	0.07544	129.086
0.00183	0.00169	0.07695	130.075
0.00188	0.0017	0.08064	133.72
0.00193	0.00174	0.08547	138.487
0.00198	0.00178	0.08922	144.104
0.00204	0.00181	0.09155	149.708
0.00216	0.00181	0.0957	159.162
0.00246	0.00181	0.10493	173.848
0.0055	0.00181	0.11029	186.617
0.00968	0.00181	0.11345	193.684
0.01408	0.00181	0.11664	198.923
0.0177	0.00181	0.11965	204.117
0.01978	0.00181	0.12186	208.898
0.0208	0.00181	0.12392	213.271
0.02132	0.00181	0.12592	217.614
0.02159	0.00181	0.12729	221.478
0.02174	0.00182	0.12838	224.837
0.02183	0.00184	0.12925	227.823
0.02189	0.00188	0.1298	230.269
0.02193	0.00192	0.13021	232.362
0.02196	0.00196	0.13084	234.388
0.02198	0.00199	0.13232	236.693
0.02201	0.00201	0.13518	239.788
0.02204	0.00202	0.13869	243.947
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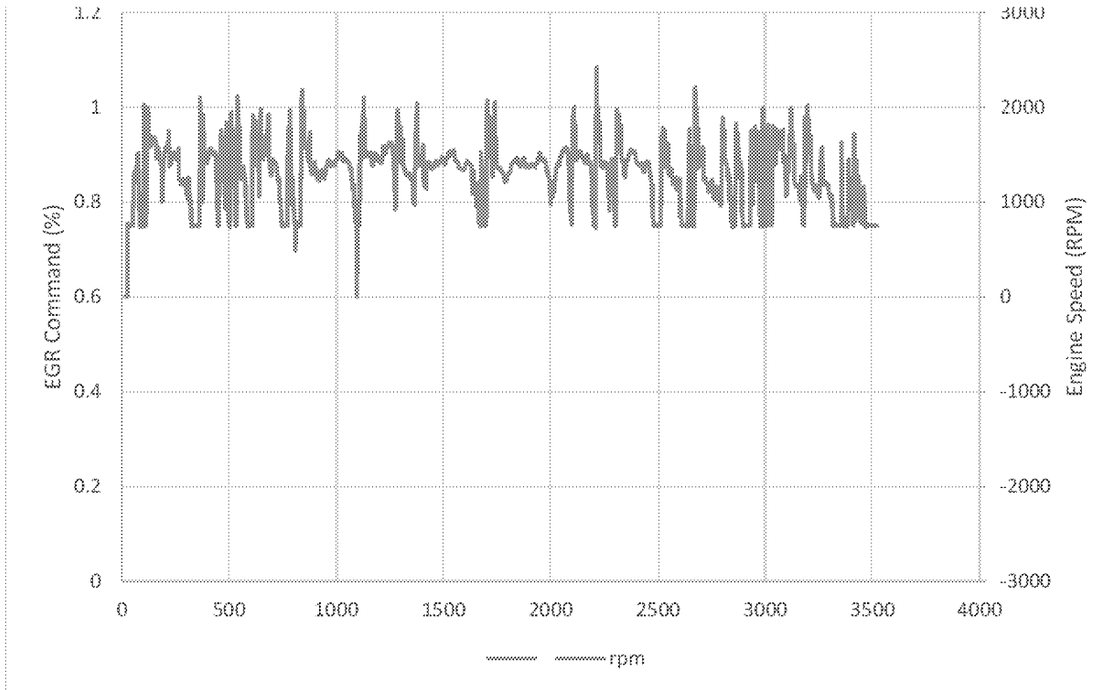

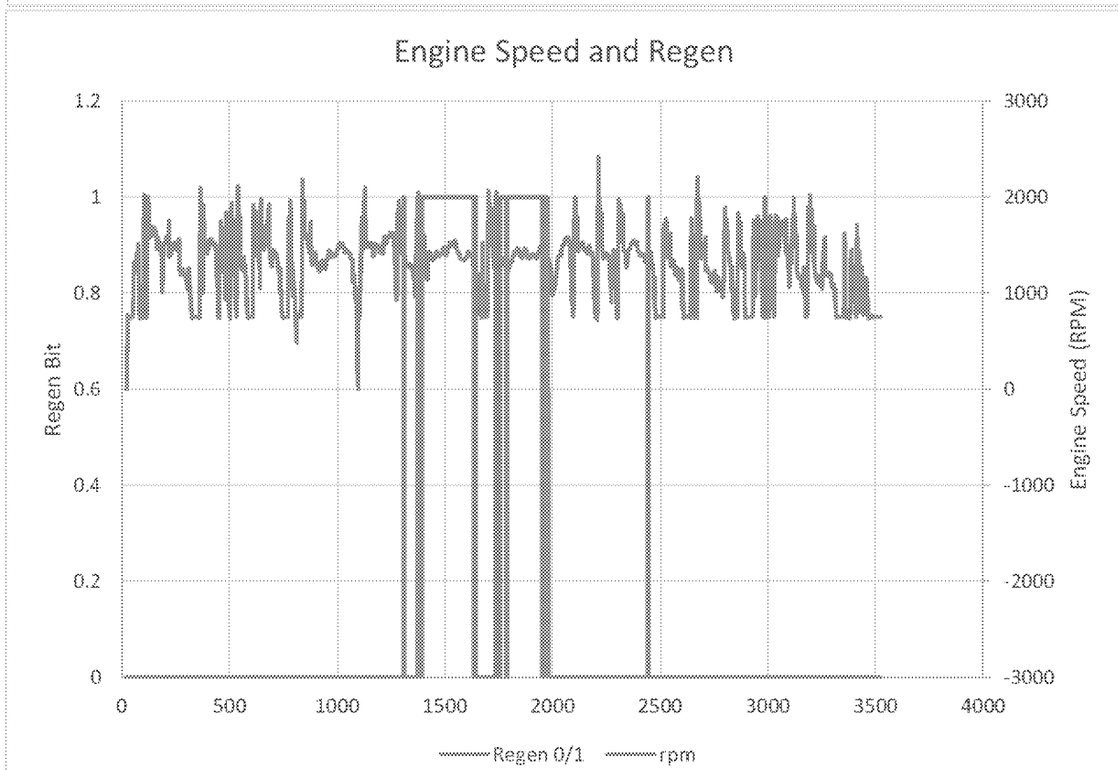

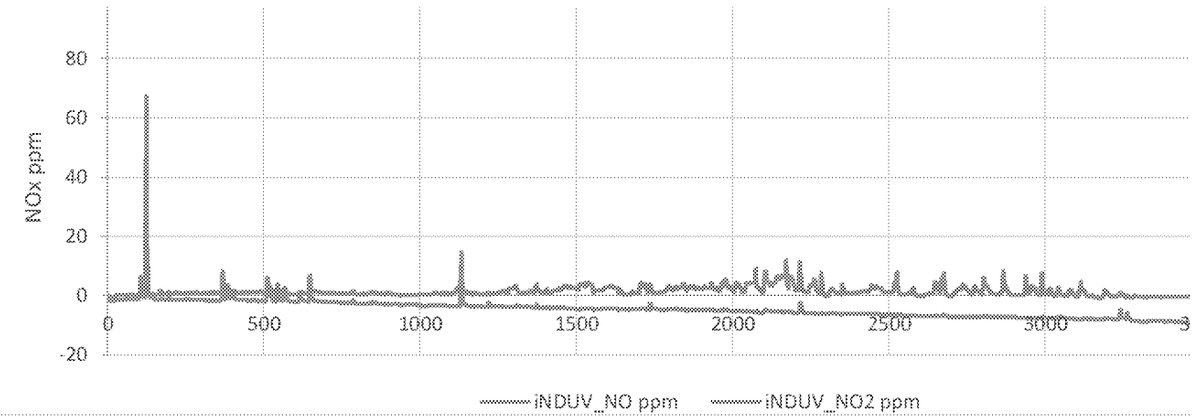

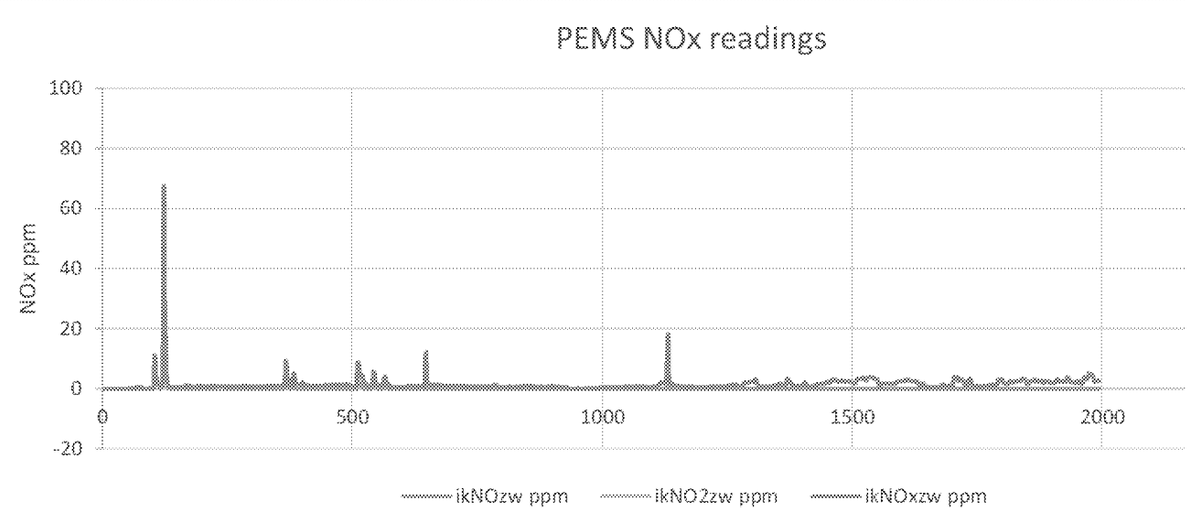

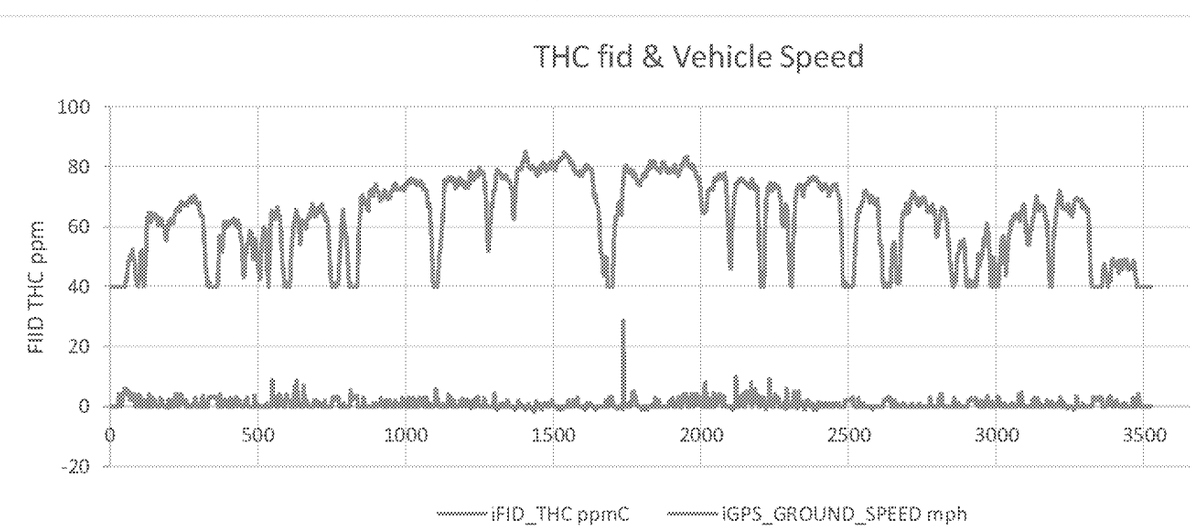

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12:42:59.038	20	0.00001	0	0.00077	0.754	0.000074	26
12:43:00.038	20	0.00001	0	0.00063	0.58	0.000057	25
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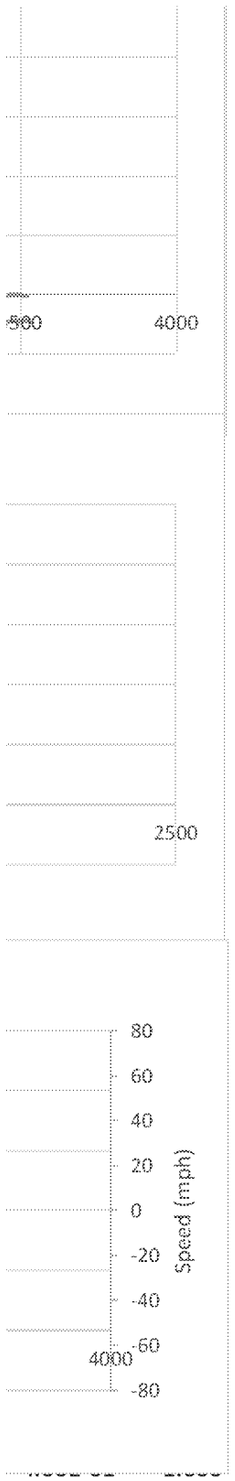

		0.600	0.000	0.541	0.000	1691	30.43	59.9	248.312337	352.061342	97.879076	-1	0
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		0.500	0.000	0.464	1.700	1666	30.43	36.9	269.569476	334.057521	86.929303	-1	0
		0.500	0.000	0.461	2.300	1638	29.979	23.7	264.678063	326.247746	81.454416	-1	0
		0.500	0.000	0.465	3.000	1620	29.336	38.6	253.2464	318.885635	83.423012	-1	0
		0.400	0.000	0.385	1.600	1623	29.272	49	253.717878	311.523525	86.065337	-1	0
		0.400	0.000	0.376	0.500	1645	29.81	51	261.02015	304.161415	88.707663	-1	0
		0.400	0.000	0.373	0.000	1660	30.14	49.8	267.80083	298.335396	91.349988	-1	0
		0.400	0.000	0.369	0.000	1674	30.43	43.9	256.83505	293.731079	91.258421	-1	0
		0.400	0.000	0.368	1.000	1680	30.43	41.9	258.012471	289.126763	90.274896	-1	0
		0.500	0.000	0.462	1.400	1678	30.43	20	258.5	284.522446	89.29137	-1	0
		0.500	0.000	0.466	2.000	1671	30.43	20	266.487183	276.936337	88.307844	-1	0
		0.400	0.000	0.384	1.300	1666	30.43	19	259.1	264.627129	87.669712	-1	0
		0.400	0.000	0.381	0.300	1664	30.43	17.3	259.508127	252.317922	87.188942	-1	0
		0.400	0.000	0.383	0.000	1664	30.43	15.5	259.8	240.008715	86.708173	-1	0
		0.400	0.000	0.384	0.000	1650	30.43	5.4	249.231163	228.93785	86.227404	-1	0
		0.400	0.000	0.385	0.000	1650	30.208	0	260.5	220.438927	78.543645	-1	0
		0.400	0.000	0.387	0.000	1636	29.81	0	260.25064	211.940005	64.394964	-1	0
		0.400	0.000	0.388	0.000	1613	29.339	0	259.8	203.441082	50.246283	-1	0
		0.400	0.000	0.390	0.000	1579	29.155	0	228.265	197.221413	36.097602	-1	0
		0.400	0.000	0.395	0.000	1531	28.186	0	259.8	204.122855	35.941871	-1	0
		0.400	0.000	0.395	0.000	1463	26.548	11.1	259.8	211.024297	60.98913	-1	0
		0.400	0.000	0.395	0.000	1456	26.08	51.3	259.8	217.925739	86.036389	-1	0
		0.400	0.000	0.387	0.000	1467	26.557	68	247.569365	224.82718	111.083648	-1	0
		0.400	0.000	0.376	0.000	1508	27.287	73.5	258.122444	244.356797	131.952428	-1	0
		0.700	0.000	0.620	0.000	1540	27.914	75.3	259.8	265.029421	123.571851	-1	0
		1.300	0.000	1.132	0.000	1566	28.57	71.9	259.75503	285.702046	115.191274	-1	0
		1.400	0.000	1.253	0.000	1573	28.57	61.6	267.914265	306.374671	106.810698	-1	0
		1.400	0.000	1.258	0.200	1568	28.57	59.7	264.658974	314.681862	98.626093	-1	0
		1.300	0.000	1.174	1.200	1558	27.953	63.3	257.872459	316.759851	93.127468	-1	0
		1.100	0.000	1.005	2.000	1550	27.95	67.7	257.662471	318.83784	87.628843	-1	0
		1.100	0.000	0.996	2.800	1542	27.95	61	271.8918	320.915829	82.130217	-1	0
		1.100	0.000	0.996	2.000	1545	27.95	44.8	261.57332	317.967136	77	-1	0
		1.000	0.000	0.907	1.000	1515	27.32	49.1	255.8	313.491432	77	-1	0
		0.900	0.000	0.821	1.700	1506	27.32	53.1	254.785373	309.015729	77	-1	0
		0.900	0.000	0.822	2.000	1500	27.32	36.3	270.011217	304.540026	77	-1	0
		0.800	0.000	0.733	2.000	1463	26.768	8.4	257.605152	292.904604	77.02788	-1	0
		0.800	0.000	0.735	1.300	1455	26.696	35.7	252.353385	280.074503	77.516997	-1	0
		0.700	0.000	0.650	1.000	1432	26.08	12.6	251.524826	267.244403	78.006114	-1	0
		0.600	0.000	0.563	0.800	1421	25.856	20.5	250.59401	254.414302	78.495231	-1	0
		0.500	0.000	0.481	0.000	1416	25.46	30.5	250.074085	245.139012	78.984348	-1	0
		0.500	0.000	0.475	0.000	1417	25.46	27.5	249.770715	238.459101	82.219767	-1	0
		0.400	0.000	0.389	0.000	1404	25.46	13	249.55265	231.77919	85.545973	-1	0
4.00E-01	-1.600	0.400	0.000	0.380	0.000	1382	25.46	10.5	245.285926	225.09928	88.872179	-1	0
4.00E-01	-1.600	0.400	0.000	0.379	0.000	1325	24.479	2.4	241.429371	219.845671	92.198384	-1	0
4.00E-01	-1.600	0.400	0.000	0.380	0.000	1176	21.799	0	248.3	215.754329	100.783687	-1	0
4.00E-01	-1.600	0.400	0.000	0.382	0.000	1001	18.895	0.7	247.264706	211.662988	111.038874	-1	0

0.02215	0.00202	0.14605	262.271
0.02217	0.00203	0.1471	265.473
0.02219	0.00205	0.14809	268.325
0.02221	0.00208	0.14865	270.744
0.02223	0.00211	0.14903	272.752
0.02224	0.00213	0.14926	274.578
0.02226	0.00214	0.15089	276.489
0.02228	0.00214	0.15312	278.736
0.02229	0.00214	0.15521	281.25
0.0223	0.00215	0.15697	283.86
0.02232	0.00216	0.15814	286.173
0.02234	0.00218	0.15863	288.117
0.02235	0.00219	0.15873	289.624
0.02236	0.00219	0.15884	290.739
0.02237	0.00219	0.15952	291.599
0.02238	0.00219	0.16073	292.323
0.02239	0.00219	0.16157	292.914
0.0224	0.00219	0.16208	293.347
0.02241	0.00219	0.16254	293.627
0.02242	0.00219	0.16281	293.79
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0.02246	0.00219	0.16541	294.109
0.02248	0.00219	0.16892	294.91
0.0225	0.00219	0.17523	297.087
0.02253	0.00219	0.18057	300.809
0.02258	0.00219	0.18335	305.128
0.02264	0.00219	0.1845	309.115
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0.02274	0.00221	0.187	316.657
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0.02283	0.00228	0.18924	323.698
0.02287	0.0023	0.19036	326.888
0.02291	0.00231	0.19129	329.94
0.02294	0.00233	0.19181	332.816
0.02297	0.00235	0.19299	335.415
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0.02301	0.00238	0.19531	339.749
0.02303	0.00239	0.19583	341.408
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12:43:06.038	20	0.00003	0	0.00464	4.318	0.00042	22.2
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12:43:08.038	20	0.00003	0	0.00109	3.284	0.000319	24.9
12:43:09.038	20	0.00003	0	0.00054	2.767	0.000269	25.9
12:43:10.038	20	0.00003	0	0.00066	2.297	0.000224	25.9
12:43:11.038	20	0.00003	0.00001	0.00066	2.109	0.000205	25.9
12:43:12.038	20	0.00003	0.00002	0.00031	1.974	0.000192	27.6
12:43:13.038	20	0.00003	0.00002	0.00018	1.615	0.000157	29
12:43:14.038	20	0.00002	0.00002	0.00018	1.226	0.00012	29
12:43:15.038	20	0.00002	0.00001	0.00031	0.913	0.000089	29
12:43:16.038	20	0.00002	0	0.00048	0.739	0.000072	28.6
12:43:17.038	20	0.00002	0	0.00099	0.702	0.000069	28.2
12:43:18.038	20	0.00002	0	0.00143	0.601	0.000059	27.9
12:43:19.038	20	0.00002	0	0.00121	0.505	0.000049	27.6
12:43:20.038	20	0.00002	0	0.00131	0.528	0.000052	28.9
12:43:21.038	20	0.00002	0	0.00169	0.641	0.000063	30
12:43:22.038	20	0.00002	0	0.0017	0.755	0.000074	29.4
12:43:23.038	20	0.00002	0	0.00137	0.952	0.000093	28.9
12:43:24.038	20	0.00002	0	0.00084	1.005	0.000098	28.8
12:43:25.038	20	0.00002	0.00001	0.00084	0.78	0.000076	28.8
12:43:26.038	20	0.00002	0.00002	0.00144	0.778	0.000076	29
12:43:27.038	20	0.00002	0.00002	0.00137	0.867	0.000085	29.2
12:43:28.038	20	0.00002	0	0.00099	0.937	0.000092	28.7
12:43:29.038	20	0.00002	0	0.00084	0.933	0.000091	28.2
12:43:30.038	20	0.00002	0	0.00105	0.879	0.000086	29.1
12:43:31.038	20	0.00002	0	0.00157	1.04	0.000102	29.9
12:43:32.038	20	0.00003	0	0.00239	1.552	0.000152	30.7
12:43:33.038	20	0.00003	0.00001	0.003	2.069	0.000202	31.4
12:43:34.038	20	0.00003	0.00001	0.00247	2.637	0.000257	32
12:43:35.038	20	0.00003	0.00002	0.0013	2.379	0.000232	32.5
12:43:36.038	20	0.00003	0.00003	0.00058	1.795	0.000175	32.9
12:43:37.038	20	0.00003	0.00004	0.00018	1.455	0.000142	33.3
12:43:38.038	20	0.00003	0.00002	0.00033	1.337	0.00013	33.7
12:43:39.038	20	0.00003	0.00001	0.00089	1.39	0.000136	34.1
12:43:40.038	20	0.00003	0	0.00116	1.546	0.000151	34.3
12:43:41.038	20	0.00002	0.00002	0.00118	1.624	0.000158	34.4
12:43:42.038	20	0.00002	0.00003	0.0011	1.661	0.000162	34.7
12:43:43.038	20	0.00003	0.00004	0.00082	1.538	0.00015	35
12:43:44.038	20	0.00002	0.00002	0.00025	1.19	0.000116	34.6
12:43:45.038	20	0.00002	0.00001	0.00042	0.975	0.000095	34.3
12:43:46.038	20	0.00002	0	0.00122	1.012	0.000099	34.5
12:43:47.038	20	0.00002	0	0.00182	1.256	0.000123	34.6
12:43:48.038	20	0.00002	0.00001	0.00168	1.53	0.000149	34

4.00E-01	-1.600	0.400	0.000	0.384	0.000
4.00E-01	-1.600	0.400	0.000	0.385	0.000
4.00E-01	-1.600	0.400	0.000	0.380	0.000
4.00E-01	-1.600	0.400	0.000	0.366	0.000
6.00E-01	-1.400	0.700	0.000	0.611	0.000
9.00E-01	-0.700	1.000	0.000	0.881	-0.400
1.00E+00	0.000	1.100	0.000	0.975	-0.600
1.00E+00	0.000	1.100	0.000	0.994	0.000
1.00E+00	0.000	1.100	0.000	1.003	0.000
9.00E-01	-0.300	1.000	0.000	0.916	1.000
8.00E-01	-0.600	0.900	0.000	0.830	1.700
8.00E-01	-1.000	0.900	0.000	0.839	2.400
8.00E-01	-1.100	0.800	0.000	0.763	2.300
8.00E-01	-1.200	0.800	0.000	0.762	1.300
7.00E-01	-1.400	0.700	0.000	0.682	0.400
6.00E-01	-1.400	0.600	0.000	0.587	0.000
6.00E-01	-1.500	0.600	0.000	0.579	0.000
6.00E-01	-1.500	0.600	0.000	0.579	0.000
6.00E-01	-1.500	0.600	0.000	0.578	0.000
6.00E-01	-1.600	0.600	0.000	0.574	0.000
6.00E-01	-1.600	0.600	0.000	0.571	0.000
6.00E-01	-1.600	0.600	0.000	0.569	0.000
6.00E-01	-1.600	0.600	0.000	0.570	0.000
6.00E-01	-1.600	0.600	0.000	0.573	1.400
6.00E-01	-1.600	0.600	0.000	0.573	2.000
6.00E-01	-1.600	0.600	0.000	0.571	1.700
6.00E-01	-1.600	0.600	0.000	0.570	0.000
6.00E-01	-1.600	0.600	0.000	0.570	0.000
7.00E-01	-1.600	0.700	0.000	0.666	0.000
7.00E-01	-1.600	0.700	0.000	0.667	0.000
7.00E-01	-1.600	0.700	0.000	0.660	0.000
7.00E-01	-1.600	0.700	0.000	0.652	0.700
7.00E-01	-1.600	0.800	0.000	0.735	1.000
9.00E-01	-1.600	1.000	0.000	0.901	1.500
1.00E+00	-1.500	1.100	0.000	1.014	3.400
9.00E-01	-1.500	1.000	0.000	0.938	4.000
9.00E-01	-1.500	1.000	0.000	0.936	2.400
8.00E-01	-1.500	0.900	0.000	0.850	0.800
8.00E-01	-1.500	0.900	0.000	0.837	0.400
8.00E-01	-1.500	0.900	0.000	0.833	1.800
8.00E-01	-1.400	0.900	0.000	0.832	3.700
8.00E-01	-1.400	0.900	0.000	0.836	4.000
8.00E-01	-1.400	0.800	0.000	0.759	2.600
8.00E-01	-1.500	0.800	0.000	0.756	0.800
6.00E-01	-1.500	0.600	0.000	0.567	0.000
6.00E-01	-1.500	0.600	0.000	0.563	0.000
6.00E-01	-1.500	0.600	0.000	0.558	0.700

1028	18.047	40.6	246.170225	207.571646	121.294062	-1	0
1085	18.815	74.1	231.01381	214.518263	131.549249	-1	0
1142	20.093	90.2	246.4	242.236601	148.552982	-1	0
1231	21.926	86.8	246.4	269.954939	170.731395	-1	0
1308	23.613	69.3	245.824725	297.673277	192.909808	-1	0
1358	24.376	55.2	274.338331	313.826682	215.088221	-1	0
1396	25.058	49.9	246.215155	306.286079	211.52639	-1	0
1436	25.713	48.8	245.8	298.745476	183.03503	-1	0
1476	26.475	40.3	245.8	291.204872	154.543671	-1	0
1504	27.255	26	261.865823	283.549655	126.052312	-1	0
1513	27.37	13.2	245.780174	269.641581	103.085238	-1	0
1521	27.95	13.7	245.1	255.733508	99.037619	-1	0
1527	27.95	12.8	244.89633	241.825435	94.99	-1	0
1532	27.95	11.7	238.723415	227.917361	90.942381	-1	0
1520	27.95	9.9	242.554005	220.367152	87.006586	-1	0
1542	27.95	11.1	244.5	214.222039	87.259878	-1	0
1548	27.95	16.2	244.381429	208.076925	87.513171	-1	0
1557	28.275	24	233.765043	201.931811	87.766464	-1	0
1575	28.57	29.9	240.394393	199.441528	87.941892	-1	0
1586	28.583	29.2	243.9	198.061513	87.196921	-1	0
1580	29.018	8.3	243.3	196.681498	86.451949	-1	0
1580	28.57	19.2	227.635	195.301482	85.706978	-1	0
1587	28.57	26.3	238.527189	195.332237	85.063244	-1	0
1585	29.168	26.5	242.5	195.604178	86.303323	-1	0
1594	29.19	24.7	242.5	195.876119	87.543403	-1	0
1596	29.19	23.3	229.091191	196.148059	88.783482	-1	0
1597	29.19	20.9	237.759762	198.103529	90.031228	-1	0
1601	29.19	25.3	241.953465	200.456471	91.674806	-1	0
1610	29.19	32.6	241.345614	202.809412	93.318385	-1	0
1636	29.385	48.4	237.141573	205.162353	94.961963	-1	0
1680	30.473	57.7	232.285018	210.31542	96.605541	-1	0
1721	31.464	49.7	240.862596	217.67753	94.759764	-1	0
1750	31.67	35.6	240.134276	225.03964	91.812085	-1	0
1375	32.289	30.5	240	232.401751	88.864407	-1	0
1375	32.29	37.5	238.562767	236.771223	85.916728	-1	0
1387	32.614	45.8	239.110725	236.440175	85.326	-1	0
1399	32.91	47.7	238.8	236.109127	85.799148	-1	0
1414	33.412	47.1	238.266916	235.77808	86.272297	-1	0
1422	33.53	36.1	236.510724	234.595755	86.745446	-1	0
1424	33.53	23.2	237.082262	228.944225	86.105951	464.748908	0
1412	33.53	11.1	236.883669	223.292695	84.170779	363.11497	0
1419	33.53	25.8	235.684494	217.641165	82.235607	294.76593	0
1417	33.53	34.5	224.192839	212.930169	80.300435	229.836502	0
1427	33.53	42.1	234.815813	215.987289	79.829213	183.363853	0
1439	33.79	47.6	234.054083	219.044409	82.357303	160.364055	0
1442	34.16	33.5	233.137417	222.101529	84.885393	153.330226	0
1459	34.16	39.9	230.068807	225.129438	87.413483	148.388128	0

0.02313	0.0024	0.20053	348.686
0.02314	0.0024	0.20093	349.366
0.02316	0.0024	0.20491	350.789
0.02318	0.0024	0.21136	354.169
0.02321	0.0024	0.216	358.487
0.02324	0.0024	0.21822	362.276
0.02327	0.0024	0.21931	365.56
0.0233	0.0024	0.21985	368.327
0.02333	0.0024	0.22051	370.624
0.02336	0.00241	0.22117	372.733
0.02339	0.00243	0.22148	374.707
0.02342	0.00245	0.22166	376.322
0.02344	0.00247	0.22184	377.548
0.02346	0.00248	0.22215	378.461
0.02348	0.00248	0.22263	379.2
0.0235	0.00248	0.22362	379.902
0.02352	0.00248	0.22505	380.503
0.02354	0.00248	0.22626	381.008
0.02356	0.00248	0.22757	381.536
0.02358	0.00248	0.22926	382.177
0.0236	0.00248	0.23096	382.932
0.02362	0.00248	0.23233	383.884
0.02364	0.00248	0.23317	384.889
0.02366	0.00249	0.23401	385.669
0.02368	0.00251	0.23545	386.447
0.0237	0.00253	0.23682	387.314
0.02372	0.00253	0.23781	388.251
0.02374	0.00253	0.23865	389.184
0.02376	0.00253	0.2397	390.063
0.02378	0.00253	0.24127	391.103
0.02381	0.00253	0.24366	392.655
0.02384	0.00254	0.24666	394.724
0.02387	0.00255	0.24913	397.361
0.0239	0.00257	0.25043	399.74
0.02393	0.0026	0.25101	401.535
0.02396	0.00264	0.25119	402.99
0.02399	0.00266	0.25152	404.327
0.02402	0.00267	0.25241	405.717
0.02405	0.00267	0.25357	407.263
0.02407	0.00269	0.25475	408.887
0.02409	0.00272	0.25585	410.548
0.02412	0.00276	0.25667	412.086
0.02414	0.00278	0.25692	413.276
0.02416	0.00279	0.25734	414.251
0.02418	0.00279	0.25856	415.263
0.0242	0.00279	0.26038	416.519
0.02422	0.0028	0.26206	418.049

12:43:49.038	20	0.00002	0.00002	0.00091	1.636	0.00016	33.5
12:43:50.038	20	0.00002	0.00003	0.00128	1.755	0.000171	34
12:43:51.038	20	0.00002	0.00003	0.00121	1.853	0.000181	34.4
12:43:52.038	20	0.00002	0.00003	0.00102	1.871	0.000182	34.8
12:43:53.038	20	0.00002	0.00004	0.00077	1.91	0.000186	35.2
12:43:54.038	20	0.00002	0.00004	0.0006	1.92	0.000187	36.5
12:43:55.038	20	0.00002	0.00004	0.00079	1.831	0.000179	37.7
12:43:56.038	20	0.00002	0.00004	0.0014	1.944	0.00019	37.2
12:43:57.038	20	0.00002	0.00004	0.00169	2.108	0.000206	36.8
12:43:58.038	20	0.00003	0.00004	0.00201	2.532	0.000247	37.1
12:43:59.038	20	0.00003	0.00003	0.00187	2.848	0.000278	37.3
12:44:00.038	20	0.00003	0.00002	0.00149	3.059	0.000298	37.2
12:44:01.038	20	0.00003	0.00001	0.00162	3.244	0.000316	37.2
12:44:02.038	20	0.00003	0.00001	0.00102	3.343	0.000325	36.8
12:44:03.038	20	0.00003	0.00001	0.00124	3.244	0.000316	36.4
12:44:04.038	20	0.00003	0.00001	0.00132	3.109	0.000303	36.8
12:44:05.038	20	0.00003	0.00001	0.00135	2.809	0.000274	37.1
12:44:06.038	20	0.00003	0.00001	0.00136	2.518	0.000245	36.8
12:44:07.038	20	0.00002	0.00001	0.00115	2.24	0.000218	36.5
12:44:08.038	20	0.00002	0.00002	0.00149	2.132	0.000208	36.7
12:44:09.038	20	0.00003	0.00002	0.00062	1.811	0.000177	36.9
12:44:10.038	20	0.00002	0.00002	0	1.162	0.000113	36.8
12:44:11.038	20	0.00002	0.00002	0	0.652	0.000064	36.8
12:44:12.038	20	0.00002	0.00001	0.00041	0.505	0.000049	36.4
12:44:13.038	20	0.00002	0	0.00131	0.604	0.000059	36
12:44:14.038	20	0.00002	0	0.00235	0.918	0.00009	36
12:44:15.038	20	0.00002	0	0.00199	1.221	0.000119	36
12:44:16.038	20	0.00002	0	0.00132	1.324	0.000129	36.6
12:44:17.038	20	0.00002	0.00001	0.00077	1.129	0.00011	37.1
12:44:18.038	20	0.00002	0	0.00072	0.982	0.000096	37.6
12:44:19.038	20	0.00002	0	0.00129	0.923	0.00009	38.1
12:44:20.038	20	0.00002	0	0.00128	0.865	0.000085	38
12:44:21.038	20	0.00002	0	0.00116	0.664	0.000065	37.9
12:44:22.038	20	0.00002	0	0.00092	0.506	0.00005	38.1
12:44:23.038	20	0.00001	0	0.00078	0.42	0.000041	38.3
12:44:24.038	20	0.00001	0	0.00069	0.348	0.000034	38.6
12:44:25.038	20	0.00001	0	0.00048	0.28	0.000027	38.9
12:44:26.038	20	0.00001	0	0.00024	0.211	0.000021	39.4
12:44:27.038	20	0.00001	0	0.0004	0.147	0.000014	39.8
12:44:28.038	20	0.00001	0	0.00038	0.101	0.00001	39
12:44:29.038	20	0.00002	0	0.00057	0.105	0.00001	38.4
12:44:30.038	20	0.00002	0	0.00097	0.1	0.000012	38
12:44:31.038	20	0.00002	0	0.0008	0.137	0.000014	37.6
12:44:32.038	20	0.00002	0	0.00227	0.429	0.000042	37.5
12:44:33.038	20	0.00002	0	0.00275	0.966	0.000095	37.4
12:44:34.038	20	0.00003	0	0.00259	1.611	0.000157	37.9
12:44:35.038	20	0.00003	0	0.00218	2.102	0.000205	38.3

6.00E-01	-1.500	0.600	0.000	0.557	2.000	1466	34.586	43.5	232.618182	228.109484	86.833713	137.097453	0
6.00E-01	-1.500	0.600	0.000	0.556	3.000	1481	34.78	45.8	231.84133	231.089531	85.31511	112.496429	0
6.00E-01	-1.500	0.600	0.000	0.556	3.000	1500	35.4	52	231.555556	234.069578	83.796507	88.940075	0
6.00E-01	-1.500	0.600	0.000	0.555	3.400	1512	35.746	43.9	231.9	235.241361	82.277904	80.479026	0
6.00E-01	-1.500	0.600	0.000	0.554	4.000	1523	36.02	33.8	229.956613	234.743979	80.955243	69.372064	0
6.00E-01	-1.500	0.600	0.000	0.556	4.000	1523	36.02	32.8	229.737985	234.246597	79.676471	58.123506	0
6.00E-01	-1.500	0.700	0.000	0.643	4.000	1525	36.02	44.6	229.804717	233.749215	78.397698	51.742402	0
7.00E-01	-1.500	0.700	0.000	0.652	4.000	1513	35.58	51.2	228.982005	239.655695	77.118926	49.073341	0
7.00E-01	-1.500	0.700	0.000	0.651	3.700	1505	35.4	53.5	227.9	248.306688	78.035861	45.888345	0
6.00E-01	-1.500	0.700	0.000	0.647	3.000	1509	35.4	55.6	227.9	256.957681	79.177935	40.334906	0
6.00E-01	-1.500	0.700	0.000	0.642	2.800	1507	35.4	59.7	227.321653	265.608674	80.320009	35.670915	0
7.00E-01	-1.500	0.800	0.000	0.723	1.400	1511	35.561	60.4	244.722473	273.169003	81.462083	33.975467	0
7.00E-01	-1.400	0.800	0.000	0.726	1.000	1515	35.789	60.4	227.065972	278.400987	81.600252	32.67033	0
7.00E-01	-1.400	0.800	0.000	0.724	1.000	1509	35.4	61.4	226.6	283.632971	80.844584	30.753754	0
7.00E-01	-1.400	0.800	0.000	0.724	1.000	1509	35.4	53	226.12832	288.864956	80.088917	29.407848	0
7.00E-01	-1.400	0.800	0.000	0.725	1.000	1504	35.4	50.5	254.091933	290.861397	79.333249	28.051948	0
7.00E-01	-1.300	0.800	0.000	0.727	1.000	1501	35.4	48.3	226	283.975245	78.421923	26.632613	0
7.00E-01	-1.300	0.800	0.000	0.731	1.000	1502	35.4	43.4	225.703614	277.089093	77.387797	24.751471	0
7.00E-01	-1.300	0.800	0.000	0.733	1.200	1471	35.4	18.4	225.4	270.20294	76.353671	22.779026	0
7.00E-01	-1.300	0.800	0.000	0.736	2.000	1474	34.78	12.7	240.793519	261.721042	75.319545	21.017143	0
7.00E-01	-1.200	0.800	0.000	0.744	2.000	1460	34.446	12.1	225.050699	249.294104	74.332528	19	0
8.00E-01	-1.200	0.800	0.000	0.756	2.000	1449	34.16	12.6	224.7	236.867166	73.366578	18.608799	0
8.00E-01	-1.200	0.800	0.000	0.767	2.000	1456	34.205	25.9	224.59816	224.440229	72.400628	17.236307	0
8.00E-01	-1.300	0.800	0.000	0.770	1.300	1467	34.78	36.1	221.546194	216.069769	71.434678	15.905882	0
7.00E-01	-1.400	0.700	0.000	0.679	0.000	1488	35.052	34.3	224.7	215.134269	73.353978	13.366667	0
7.00E-01	-1.400	0.700	0.000	0.667	0.000	1507	35.761	23.4	224.7	214.198769	77.633938	10.311164	0
7.00E-01	-1.400	0.700	0.000	0.659	0.000	1524	36.02	20.8	224.7	213.263269	81.913897	8.484465	0
7.00E-01	-1.400	0.700	0.000	0.658	0.400	1534	36.173	24.4	219.816731	211.436284	86.193857	8	0
8.00E-01	-1.400	0.800	0.000	0.756	1.000	1544	36.64	23.4	224.7	207.437259	88.141389	8	0
8.00E-01	-1.400	0.800	0.000	0.760	0.000	1559	37.004	21.5	224.7	203.438235	88.386008	8.339953	0
8.00E-01	-1.400	0.800	0.000	0.761	0.000	1567	37.26	21.2	224.7	199.43921	88.630626	9	0
8.00E-01	-1.400	0.800	0.000	0.760	0.000	1566	37.26	14.9	211.774633	195.141416	88.875245	9	0
8.00E-01	-1.400	0.800	0.000	0.763	0.000	1421	37.471	6.2	225.4	189.569919	84.650549	8	0
8.00E-01	-1.400	0.800	0.000	0.765	0.000	1239	37.88	0	225.152941	183.998422	75.774118	8	0
8.00E-01	-1.400	0.800	0.000	0.766	0.000	1237	37.88	0	224.7	178.426925	66.897687	7.630769	0
8.00E-01	-1.500	0.800	0.000	0.768	0.000	1235	37.88	0	203.445455	172.872762	58.021257	7	0
8.00E-01	-1.600	0.800	0.000	0.770	0.000	1231	37.848	0	224.7	169.468	49.448404	7	0
8.00E-01	-1.600	0.800	0.000	0.773	0.000	1223	37.26	0	224.7	166.063238	42.024499	7	0
8.00E-01	-1.600	0.800	0.000	0.776	0.000	1212	37.26	0	224.468109	162.658476	34.600594	7	0
8.00E-01	-1.600	0.800	0.000	0.778	0.000	1198	36.873	2.2	205.401115	159.253714	27.176689	6.63581	0
8.00E-01	-1.600	0.800	0.000	0.788	0.000	1189	36.02	10.7	222.561584	166.782278	23.866195	6	0
8.00E-01	-1.600	0.800	0.000	0.788	0.000	1190	36.02	46.6	224.7	176.908861	40.926883	6	0
8.00E-01	-1.600	0.800	0.000	0.779	0.000	1196	36.02	53.4	224.523183	187.035443	57.98757	4.866061	0
8.00E-01	-1.600	0.800	0.000	0.773	0.000	1203	36.407	54.2	217.132385	197.162025	75.048257	2.432217	0
9.00E-01	-1.600	0.900	0.000	0.854	0.000	1206	36.64	53.8	222.662852	208.018047	91.015495	0.344048	0
8.00E-01	-1.600	0.900	0.000	0.838	0.000	1213	36.64	57.3	224.7	218.994791	91.253874	0	0
9.00E-01	-1.500	1.000	0.000	0.920	0.000	1218	36.726	58.9	224.7	229.971535	91.492253	0	0

0.02424	0.00282	0.26297	419.685
0.02426	0.00285	0.26425	421.44
0.02428	0.00288	0.26546	423.293
0.0243	0.00291	0.26648	425.164
0.02432	0.00295	0.26725	427.074
0.02434	0.00299	0.26785	428.994
0.02436	0.00303	0.26864	430.825
0.02438	0.00307	0.27004	432.769
0.0244	0.00311	0.27173	434.877
0.02443	0.00315	0.27374	437.409
0.02446	0.00318	0.27561	440.257
0.02449	0.0032	0.2771	443.316
0.02452	0.00321	0.27872	446.56
0.02455	0.00322	0.27974	449.903
0.02458	0.00323	0.28098	453.147
0.02461	0.00324	0.2823	456.256
0.02464	0.00325	0.28365	459.065
0.02467	0.00326	0.28501	461.583
0.02469	0.00327	0.28616	463.823
0.02471	0.00329	0.28765	465.955
0.02474	0.00331	0.28827	467.766
0.02476	0.00333	0.28827	468.928
0.02478	0.00335	0.28827	469.58
0.0248	0.00336	0.28868	470.085
0.02482	0.00336	0.28999	470.689
0.02484	0.00336	0.29234	471.607
0.02486	0.00336	0.29433	472.828
0.02488	0.00336	0.29565	474.152
0.0249	0.00337	0.29642	475.281
0.02492	0.00337	0.29714	476.263
0.02494	0.00337	0.29843	477.186
0.02496	0.00337	0.29971	478.051
0.02498	0.00337	0.30087	478.715
0.025	0.00337	0.30179	479.221
0.02501	0.00337	0.30257	479.641
0.02502	0.00337	0.30326	479.989
0.02503	0.00337	0.30374	480.269
0.02504	0.00337	0.30398	480.48
0.02505	0.00337	0.30438	480.627
0.02506	0.00337	0.30476	480.728
0.02508	0.00337	0.30533	480.833
0.0251	0.00337	0.3063	480.933
0.02512	0.00337	0.3071	481.07
0.02514	0.00337	0.30937	481.499
0.02516	0.00337	0.31212	482.465
0.02519	0.00337	0.31471	484.076
0.02522	0.00337	0.31689	486.178

12:44:36.038	20	0.00003	0.00001	0.00176	2.371	0.000231	38.2
12:44:37.038	20	0.00003	0.00001	0.00128	2.401	0.000234	38.1
12:44:38.038	20	0.00003	0.00001	0.00133	2.305	0.000225	38.5
12:44:39.038	20	0.00003	0.00001	0.00114	2.169	0.000211	38.8
12:44:40.038	20	0.00003	0.00001	0.00104	2.026	0.000197	39.8
12:44:41.038	20	0.00003	0.00001	0.00081	1.888	0.000184	40.6
12:44:42.038	20	0.00003	0.00002	0.00045	1.736	0.000169	39.6
12:44:43.038	20	0.00002	0.00002	0.00038	1.273	0.000124	38.8
12:44:44.038	20	0.00002	0.00001	0.00024	0.911	0.000089	39
12:44:45.038	20	0.00001	0.00001	0.00021	0.627	0.000061	39.2
12:44:46.038	20	0.00001	0.00001	0.0002	0.413	0.00004	38.3
12:44:47.038	20	0.00001	0	0.00026	0.266	0.000026	37.6
12:44:48.038	20	0.00001	0	0.00032	0.202	0.00002	37.1
12:44:49.038	20	0.00001	0	0.00015	0.176	0.000017	36.7
12:44:50.038	20	0.00002	0	0.00084	0.146	0.000014	36.6
12:44:51.038	20	0.00002	0	0.00067	0.114	0.00001	36.6
12:44:52.038	20	0.00002	0	0.00092	0.156	0.000015	36.5
12:44:53.038	20	0.00002	0	0.00135	0.296	0.000029	36.4
12:44:54.038	20	0.00002	0	0.00157	0.508	0.00005	37
12:44:55.038	20	0.00001	0	0.00141	0.633	0.000062	37.5
12:44:56.038	20	0.00001	0	0.00085	0.685	0.000067	36.9
12:44:57.038	20	0.00001	0	0.00066	0.701	0.000068	36.4
12:44:58.038	20	0.00001	0	0.00075	0.73	0.000071	34.6
12:44:59.038	20	0.00002	0	0.00077	0.788	0.000077	33
12:45:00.038	20	0.00002	0	0.00073	0.849	0.000083	32.8
12:45:01.038	20	0.00002	0	0.00114	0.897	0.000088	32.7
12:45:02.038	20	0.00002	0	0.00105	0.955	0.000093	31.9
12:45:03.038	20.9	0.00002	0	0.00094	1.014	0.000099	31.2
12:45:04.038	20.1	0.00002	0.00001	0.00108	1.217	0.000119	31.3
12:45:05.038	20	0.00002	0.00001	0.00104	1.335	0.00013	31.4
12:45:06.038	20	0.00002	0.00001	0.00073	1.235	0.00012	31.5
12:45:07.038	20	0.00001	0.00002	0.00056	1.109	0.000108	31.5
12:45:08.038	20	0.00001	0.00002	0.00059	0.986	0.000096	30.9
12:45:09.038	21	0.00001	0.00002	0.00055	0.841	0.000082	30.3
12:45:10.038	21	0.00001	0.00001	0.00036	0.653	0.000064	28.8
12:45:11.038	20	0.00001	0.00001	0.00018	0.506	0.000049	27.6
12:45:12.038	21	0.00001	0.00001	0.00009	0.383	0.000037	24.8
12:45:13.038	21	0.00001	0	0.0001	0.277	0.000027	22.4
12:45:14.038	20.1	0.00001	0	0.00019	0.201	0.00002	20.2
12:45:15.038	20.9	0.00001	0	0.00032	0.128	0.000013	18.3
12:45:16.038	21	0.00001	0	0.0005	0.122	0.000012	15.6
12:45:17.038	21	0.00001	0	0.00057	0.086	0.000008	13.3
12:45:18.038	21	0.00001	0	0.00064	0.074	0.000007	10.8
12:45:19.038	21	0.00001	0	0.00066	0.125	0.000012	8.7
12:45:20.038	21	0.00001	0	0.00096	0.247	0.000024	7.1
12:45:21.038	21	0.00001	0	0.001	0.381	0.000037	5.8
12:45:22.038	21	0.00001	0	0.00095	0.467	0.000046	4

1.00E+00	-1.500	1.100	0.000	1.004	0.700	1230	37.26	58.8	227.344177	240.948279	91.730632	0.128788	0
1.00E+00	-1.500	1.100	0.000	1.001	1.000	1238	37.646	54.5	229.086905	245.881978	91.969011	2.340789	0
1.00E+00	-1.500	1.100	0.000	0.999	1.000	1242	37.88	49.3	224.237736	246.028893	89.173207	3.49504	0
1.00E+00	-1.500	1.100	0.000	0.997	1.000	1245	37.88	45.6	223.479842	246.175808	85.924019	4.64267	0
1.00E+00	-1.500	1.100	0.000	0.998	1.000	1236	37.809	35.3	223.91443	246.322723	82.674831	5	0
1.00E+00	-1.500	1.100	0.000	1.002	1.200	1226	37.26	11	229.072414	240.135193	79.425644	5	0
1.00E+00	-1.500	1.100	0.000	1.010	2.400	1214	37.26	5.6	222.953659	226.9183	71.884119	5	0
8.00E-01	-1.500	0.900	0.000	0.844	3.000	1197	36.665	0.7	222.8	213.701408	63.695533	5	0
8.00E-01	-1.500	0.900	0.000	0.844	2.300	1192	36.64	0.3	216.929433	200.484515	55.506948	5	0
8.00E-01	-1.500	0.800	0.000	0.766	1.300	1188	36.246	0	216.146424	191.424982	47.318362	5	0
8.00E-01	-1.500	0.800	0.000	0.766	1.000	1182	36.02	0	221.5	184.724326	40.120106	5	0
7.00E-01	-1.500	0.700	0.000	0.675	1.000	1177	36.02	0	221.011735	178.023671	33.11189	5	0
7.00E-01	-1.600	0.700	0.000	0.678	0.700	1170	36.02	2.3	218.236255	171.323015	26.103673	5	0
7.00E-01	-1.600	0.700	0.000	0.681	0.000	1166	35.726	12.5	204.756636	168.900514	19.095457	4	0
7.00E-01	-1.600	0.700	0.000	0.683	0.000	1165	35.4	24.4	219.6	170.442931	24.58908	3.663337	0
7.00E-01	-1.600	0.700	0.000	0.683	0.000	1166	35.4	33.5	219.246934	171.985347	35.415157	2.603306	0
7.00E-01	-1.600	0.700	0.000	0.682	0.000	1161	35.4	29.4	219	173.527763	46.241233	1.356579	0
7.00E-01	-1.600	0.700	0.000	0.678	0.000	1157	35.296	29.4	199.281065	175.109302	57.06731	1	0
7.00E-01	-1.600	0.700	0.000	0.673	0.000	1147	34.78	31.1	217.6	176.814729	64.353662	0	0
7.00E-01	-1.600	0.700	0.000	0.669	0.000	1131	34.386	33.2	217.6	178.520155	67.348489	0	0
7.00E-01	-1.600	0.700	0.000	0.667	0.000	1112	33.612	33.3	216.619858	180.225581	70.343316	0	0
7.00E-01	-1.600	0.700	0.000	0.665	0.000	1096	33.267	33.6	205.376172	182.094885	73.338143	0	0
7.00E-01	-1.600	0.700	0.000	0.664	0.000	1078	32.485	34	216.4	184.243223	74.775703	0	0
7.00E-01	-1.600	0.800	0.000	0.747	0.000	1058	32.29	35.2	216.4	186.39156	75.771471	0	0
8.00E-01	-1.600	0.800	0.000	0.753	0.000	1054	31.623	42.8	215.468696	188.539898	76.767239	0	0
8.00E-01	-1.600	0.800	0.000	0.752	0.000	1052	31.05	46.1	207.72474	191.372098	77.763007	0	0
8.00E-01	-1.600	0.800	0.000	0.751	0.000	1044	30.606	47.1	215.1	195.007095	78	0	0
8.00E-01	-1.600	0.800	0.000	0.755	0.000	1033	30.43	47	214.584899	198.642091	78	0	0
7.00E-01	-1.600	0.800	0.000	0.747	0.700	1188	29.81	44.3	213.770185	202.277087	78	0	0
7.00E-01	-1.600	0.800	0.000	0.745	1.000	1256	29.81	31.9	211.061616	200.908815	78	0	0
7.00E-01	-1.600	0.800	0.000	0.741	2.200	1237	29.496	10.9	213.9	193.92116	72.445545	0.298364	0
7.00E-01	-1.600	0.800	0.000	0.741	3.000	1212	28.739	0	213.442614	186.933506	64.029703	1	0
7.00E-01	-1.600	0.800	0.000	0.741	3.000	1170	27.854	0	210.927595	179.945852	55.613861	1	0
7.00E-01	-1.600	0.800	0.000	0.749	3.700	1099	26.619	0	200.45662	173.617944	47.19802	1.130435	0
8.00E-01	-1.600	0.800	0.000	0.754	3.300	1000	24.52	0	212.925136	168.197383	39.641987	2	0
8.00E-01	-1.700	0.800	0.000	0.754	2.400	1072	22.39	0	212.245647	162.776822	32.612933	2	0
8.00E-01	-1.700	0.800	0.000	0.768	1.800	1078	20.211	0	212	157.356262	25.58388	2	0
8.00E-01	-1.700	0.800	0.000	0.774	0.600	964	17.887	0.2	182.417328	152.897715	18.554827	2.797468	0
7.00E-01	-1.700	0.700	0.000	0.683	0.000	1012	15.092	0.2	211.2	154.299948	18.206807	2.020979	0
7.00E-01	-1.700	0.700	0.000	0.684	0.000	807	12.747	20.2	211.2	155.702181	30.157963	2	0
7.00E-01	-1.700	0.700	0.000	0.685	0.000	887	10.744	41.2	211.2	157.104414	42.109119	1.429764	0
7.00E-01	-1.700	0.700	0.000	0.695	0.000	932	8.888	33.8	189.088717	159.276415	54.060275	1	0
7.00E-01	-1.700	0.700	0.000	0.695	0.000	789	6.97	32.9	210.6	163.333019	64.85873	0	0
7.00E-01	-1.700	0.700	0.000	0.684	0.000	745	5.563	39.8	210.317853	167.389623	74.518232	0	0
8.00E-01	-1.700	0.800	0.000	0.768	0.000	745	3.673	46.1	210	171.446226	84.177735	0	0
8.00E-01	-1.700	0.800	0.000	0.769	0.000	750	1.934	53.5	194.558281	175.498465	93.837237	0	0
9.00E-01	-1.700	0.900	0.000	0.860	0.000	743	0.476	56.7	209.890076	179.467769	99.428421	0	0

0.02525	0.00338	0.31865	488.549
0.02528	0.00339	0.31993	490.95
0.02531	0.0034	0.32126	493.255
0.02534	0.00341	0.3224	495.424
0.02537	0.00342	0.32344	497.45
0.0254	0.00343	0.32425	499.338
0.02543	0.00345	0.3247	501.074
0.02545	0.00347	0.32508	502.347
0.02547	0.00348	0.32532	503.258
0.02548	0.00349	0.32553	503.885
0.02549	0.0035	0.32573	504.298
0.0255	0.0035	0.32599	504.564
0.02551	0.0035	0.32631	504.766
0.02552	0.0035	0.32646	504.942
0.02554	0.0035	0.3273	505.088
0.02556	0.0035	0.32797	505.202
0.02558	0.0035	0.32889	505.358
0.0256	0.0035	0.33024	505.654
0.02562	0.0035	0.33181	506.162
0.02563	0.0035	0.33322	506.795
0.02564	0.0035	0.33407	507.48
0.02565	0.0035	0.33473	508.181
0.02566	0.0035	0.33548	508.911
0.02568	0.0035	0.33625	509.699
0.0257	0.0035	0.33698	510.548
0.02572	0.0035	0.33812	511.445
0.02574	0.0035	0.33917	512.4
0.02576	0.0035	0.34011	513.414
0.02578	0.00351	0.34119	514.631
0.0258	0.00352	0.34223	515.966
0.02582	0.00353	0.34296	517.201
0.02583	0.00355	0.34352	518.31
0.02584	0.00357	0.34411	519.296
0.02585	0.00359	0.34466	520.137
0.02586	0.0036	0.34502	520.79
0.02587	0.00361	0.3452	521.296
0.02588	0.00362	0.34529	521.679
0.02589	0.00362	0.34539	521.956
0.0259	0.00362	0.34558	522.157
0.02591	0.00362	0.3459	522.285
0.02592	0.00362	0.3464	522.407
0.02593	0.00362	0.34697	522.493
0.02594	0.00362	0.34761	522.567
0.02595	0.00362	0.34827	522.692
0.02596	0.00362	0.34923	522.939
0.02597	0.00362	0.35023	523.32
0.02598	0.00362	0.35118	523.787

12:45:23.038	21	0.00001	0	0.00085	0.56	0.000055	2.5
12:45:24.038	21	0.00002	0	0.00073	0.685	0.000067	1.2
12:45:25.038	21	0.00002	0	0.00102	0.803	0.000078	0
12:45:26.038	21	0.00002	0	0.00069	0.879	0.000086	0.5
12:45:27.038	21	0.00002	0	0.00084	0.947	0.000092	1
12:45:28.038	21	0.00002	0.00001	0.00083	0.992	0.000097	0.5
12:45:29.038	21	0.00002	0.00001	0.00071	1.01	0.000099	0
12:45:30.038	21	0.00002	0.00001	0.00065	1.006	0.000098	1.2
12:45:31.038	21	0.00002	0.00001	0.00065	1.004	0.000098	2.3
12:45:32.038	21	0.00001	0.00001	0.00064	0.996	0.000097	1.1
12:45:33.038	21	0.00001	0.00001	0.00064	0.999	0.000097	0
12:45:34.038	21	0.00001	0.00001	0.00064	1	0.000098	0
12:45:35.038	21	0.00001	0.00001	0.00064	0.999	0.000097	0
12:45:36.038	21	0.00001	0.00001	0.00064	0.995	0.000097	0
12:45:37.038	21	0.00002	0.00001	0.00064	0.994	0.000097	0
12:45:38.038	21	0.00002	0.00001	0.00064	0.993	0.000097	0
12:45:39.038	21	0.00002	0.00001	0.00064	1.002	0.000098	0
12:45:40.038	21	0.00001	0.00001	0.00063	0.979	0.000095	0
12:45:41.038	21	0.00001	0.00001	0.00062	0.976	0.000095	0
12:45:42.038	21	0.00001	0.00001	0.00063	0.99	0.000097	0
12:45:43.038	21	0.00001	0.00001	0.00064	0.992	0.000097	0
12:45:44.038	21	0.00001	0.00001	0.00064	0.992	0.000097	0
12:45:45.038	21	0.00001	0.00001	0.00064	0.994	0.000097	0
12:45:46.038	21	0.00001	0.00001	0.00063	0.983	0.000096	0
12:45:47.038	21	0.00001	0.00001	0.00063	0.987	0.000096	0
12:45:48.038	21	0.00001	0.00001	0.00064	0.993	0.000097	0
12:45:49.038	21	0.00001	0.00001	0.00064	0.998	0.000097	0
12:45:50.038	21	0.00002	0.00001	0.00064	0.998	0.000097	0
12:45:51.038	21	0.00002	0.00001	0.00064	0.992	0.000097	0
12:45:52.038	21	0.00002	0.00001	0.00064	0.998	0.000097	0
12:45:53.038	21	0.00002	0.00001	0.00065	1.006	0.000098	0
12:45:54.038	21	0.00002	0.00001	0.00064	0.992	0.000097	0
12:45:55.038	21	0.00002	0.00001	0.00064	0.987	0.000096	0
12:45:56.038	21	0.00003	0.00003	0.00116	1.804	0.000176	0
12:45:57.038	21	0.00005	0.00005	0.00235	3.794	0.00037	0
12:45:58.038	21	0.00007	0.00006	0.00398	5.995	0.000584	0.7
12:45:59.038	21	0.0001	0.00005	0.00589	9.932	0.000966	1.3
12:46:00.038	21	0.00031	0	0.00398	11.459	0.001114	3.4
12:46:01.038	21	0.00051	0	0.00079	5.565	0.000542	5.3
12:46:02.038	21	0.0005	0	0.00089	3.892	0.000379	12.6
12:46:03.038	21	0.00034	0	0.00219	2.753	0.000268	19
12:46:04.038	21	0.00019	0	0.0021	2.361	0.00023	21.1
12:46:05.038	21	0.0001	0	0.00108	1.732	0.000169	22.9
12:46:06.038	21	0.00006	0.00001	0.0003	1.166	0.000114	21.9
12:46:07.038	21	0.00004	0.00002	0.0002	0.774	0.000075	21.1
12:46:08.038	21	0.00003	0.00002	0.00002	0.473	0.000046	20.2
12:46:09.038	21	0.00002	0.00001	0.00019	0.272	0.000027	19.4

9.00E-01	-1.700	0.900	0.000	0.856	0.000	757	0	52.5	209.4	183.437073	97.849474	0	0
9.00E-01	-1.700	1.000	0.000	0.945	0.000	756	0	41.9	208.924466	187.406377	96.270526	0	0
9.00E-01	-1.700	1.000	0.000	0.939	0.000	753	0.485	44.3	201.251055	190.723539	94.691579	0	0
9.00E-01	-1.700	1.000	0.000	0.934	0.700	749	0	46.9	208.485587	192.286415	92.807357	0	0
1.00E+00	-1.700	1.100	0.000	1.014	1.000	750	0	47.1	208.1	193.849291	90.685216	0	0
9.00E-01	-1.700	1.000	0.000	0.928	2.700	748	0	47.7	208.1	195.412166	88.563075	0	0
9.00E-01	-1.700	1.000	0.000	0.927	3.000	750	0	47	202.657405	196.913264	86.440934	0	0
9.00E-01	-1.700	1.000	0.000	0.927	3.000	754	0	46.3	207.585714	197.924553	84.537019	0	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	750	0	46.4	207.945433	198.935842	83.094712	0	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	748	0	47.4	207.229557	199.947131	81.652404	0	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	749	0	47.7	204.971309	200.95842	80.210096	0	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	750	0	47.4	206.77676	201.756812	78.842427	0	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	751	0	47	206.2	202.520547	77.863714	0.892189	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	749	0	47.2	206.2	203.284282	76.885001	1	0
1.00E+00	-1.700	1.100	0.000	1.010	3.000	750	0	48.1	205.70142	204.048017	75.906288	1	0
1.00E+00	-1.700	1.100	0.000	1.018	3.000	751	0	48.6	205.447893	204.342708	74.961185	1	0
9.00E-01	-1.700	1.000	0.000	0.933	3.000	751	0	46.7	205.5	204.52087	74.436664	1	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	750	0	46.2	204.9	204.699033	73.912143	1	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	749	0	46.7	204.9	204.877195	73.387621	1	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	750	0	46.8	204.852693	205.169776	72.939004	1	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	750	0	47.3	204.2	205.479153	72.705305	1	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	749	0	46.7	204.2	205.788529	72.471606	1	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	748	0	46.7	204.62944	206.097906	72.237906	1	0
9.00E-01	-1.700	1.000	0.000	0.925	3.000	749	0	46.7	204.04878	206.405038	72.004207	0.505333	0
9.00E-01	-1.700	1.000	0.000	0.923	3.000	747	0	47	203.136257	206.711064	71.774822	0	0
9.00E-01	-1.700	1.000	0.000	0.923	3.000	750	0	46.7	203	207.01709	71.545517	0	0
9.00E-01	-1.700	1.000	0.000	0.923	3.000	750	0	46.5	203.172846	207.323117	71.316212	0	0
1.00E+00	-1.700	1.100	0.000	1.015	3.000	750	0	45.8	204.139046	207.622883	71.086907	0.867371	0
1.00E+00	-1.700	1.100	0.000	1.015	3.000	748	0	46	202.4	207.914074	70.842745	0	0
1.00E+00	-1.700	1.100	0.000	1.015	3.000	745	0	48.4	202.4	208.205266	70.589516	0	0
1.00E+00	-1.700	1.100	0.000	1.015	3.000	750	0	48.2	201.823009	208.496457	70.336288	0	0
1.00E+00	-1.700	1.100	0.000	1.015	3.000	753	0	47.1	204.069985	213.233951	70.083059	0	0
1.00E+00	-1.800	1.100	0.000	1.015	3.000	750	0	47.1	201.1	228.296911	77.636364	0	0
1.00E+00	-1.800	1.100	0.000	1.015	3.000	1062	0.363	69.4	201.1	243.359872	89	0	0
1.00E+00	-1.800	1.100	0.000	1.007	3.000	1553	3.452	84.6	200.673721	258.422832	100.363636	0	0
1.00E+00	-1.800	1.100	0.000	0.992	2.800	1759	8.047	76.2	233.774505	273.977862	111.727273	0	0
1.00E+00	-1.300	1.100	0.000	0.982	1.600	1860	11.597	74.8	200.385461	294.389404	129.023202	0	0
2.60E+00	1.600	1.300	1.448	1.153	0.000	2104	16.057	66.9	200.287143	314.800946	156.865429	0.392226	0
7.30E+00	6.400	1.700	5.824	1.517	0.000	1766	19.006	50	201.392203	335.212488	184.707657	3.595455	0
9.20E+00	8.200	1.900	7.459	1.730	0.000	1537	21.203	38.1	253.616383	355.62403	212.549884	5	0
9.00E+00	7.800	2.000	7.173	1.831	0.000	1510	22.289	19.1	215.028506	338.030882	236.747748	4.364497	0
6.40E+00	5.000	2.000	4.549	1.820	0.000	1466	21.24	0.5	202.295804	314.455515	191.702703	4	0
4.50E+00	3.000	2.000	2.717	1.822	0.000	1382	20.457	0	202.4	290.880147	146.657658	4	0
3.20E+00	1.500	2.000	1.359	1.852	1.100	1305	19.538	0	207.9625	267.304779	101.612613	4.001267	0
2.10E+00	0.400	1.800	0.420	1.709	3.400	1237	18.328	0	217.39718	249.511212	56.567568	5	0
1.50E+00	-0.200	1.600	0.000	1.535	4.000	1173	17.324	0	202.4	237.228422	39.363896	4.654902	0
1.30E+00	-0.700	1.400	0.000	1.349	1.800	1111	16.373	0	202.4	224.945632	32.933794	4	0

0.02599	0.00362	0.35203	524.347
0.02601	0.00362	0.35276	525.032
0.02603	0.00362	0.35378	525.835
0.02605	0.00362	0.35447	526.714
0.02607	0.00362	0.35531	527.661
0.02609	0.00363	0.35614	528.653
0.02611	0.00364	0.35685	529.663
0.02613	0.00365	0.3575	530.669
0.02615	0.00366	0.35815	531.673
0.02616	0.00367	0.35879	532.669
0.02617	0.00368	0.35943	533.668
0.02618	0.00369	0.36007	534.668
0.02619	0.0037	0.36071	535.667
0.0262	0.00371	0.36135	536.662
0.02622	0.00372	0.36199	537.656
0.02624	0.00373	0.36263	538.649
0.02626	0.00374	0.36327	539.651
0.02627	0.00375	0.3639	540.63
0.02628	0.00376	0.36452	541.606
0.02629	0.00377	0.36515	542.596
0.0263	0.00378	0.36579	543.588
0.02631	0.00379	0.36643	544.58
0.02632	0.0038	0.36707	545.574
0.02633	0.00381	0.3677	546.557
0.02634	0.00382	0.36833	547.544
0.02635	0.00383	0.36897	548.537
0.02636	0.00384	0.36961	549.535
0.02638	0.00385	0.37025	550.533
0.0264	0.00386	0.37089	551.525
0.02642	0.00387	0.37153	552.523
0.02644	0.00388	0.37218	553.529
0.02646	0.00389	0.37282	554.521
0.02648	0.0039	0.37346	555.508
0.02651	0.00393	0.37462	557.312
0.02656	0.00398	0.37697	561.106
0.02663	0.00404	0.38095	567.101
0.02673	0.00409	0.38684	577.033
0.02704	0.00409	0.39082	588.492
0.02755	0.00409	0.39161	594.057
0.02805	0.00409	0.3925	597.949
0.02839	0.00409	0.39469	600.702
0.02858	0.00409	0.39679	603.063
0.02868	0.00409	0.39787	604.795
0.02874	0.0041	0.39817	605.961
0.02878	0.00412	0.39837	606.735
0.02881	0.00414	0.39839	607.208
0.02883	0.00415	0.39858	607.48

12:46:10.038	21	0.00002	0	0.00025	0.163	0.000016	18.4
12:46:11.038	21	0.00002	0	0.00028	0.122	0.000012	17.5
12:46:12.038	21	0.00005	0	0.00114	0.212	0.000021	16.4
12:46:13.038	21	0.00009	0	0.00573	1.956	0.000192	15.4
12:46:14.038	21	0.00011	0	0.01233	5.335	0.000522	16.5
12:46:15.038	21	0.00011	0	0.00588	6.242	0.000608	17.5
12:46:16.038	21	0.00022	0	0.00335	5.664	0.000551	20.2
12:46:17.038	21	0.00027	0	0.0025	4.928	0.000479	22.6
12:46:18.038	21	0.00021	0	0.00103	3.36	0.000327	22.6
12:46:19.038	21	0.00021	0	0.00051	2.985	0.000291	24.5
12:46:20.038	21	0.00015	0	0.00174	3.018	0.000294	27.6
12:46:21.038	21	0.0001	0	0.00164	3.345	0.000326	28.8
12:46:22.038	21	0.00007	0.00001	0.00172	3.535	0.000344	28.8
12:46:23.038	21	0.00007	0.00001	0.0017	3.775	0.000367	28.8
12:46:24.038	21	0.00007	0.00002	0.00128	3.915	0.000381	28.7
12:46:25.038	21	0.00007	0.00003	0.00124	3.786	0.000368	28.7
12:46:26.038	21	0.00006	0.00002	0.00115	3.483	0.000339	28.8
12:46:27.038	21	0.00007	0.00003	0.00002	3.273	0.000318	28.9
12:46:28.038	21	0.00007	0.00003	0.00059	3.097	0.000302	28
12:46:29.038	21	0.00007	0.00002	0.00219	3.562	0.000347	27.2
12:46:30.038	21	0.00007	0	0.00356	4.895	0.000476	26.9
12:46:31.038	21	0.00009	0	0.00384	6.544	0.000636	26.7
12:46:32.038	21	0.00008	0	0.0018	5.966	0.00058	26.9
12:46:33.038	21	0.00007	0	0.00139	5.115	0.000497	27
12:46:34.038	21	0.00008	0	0.00107	4.084	0.000397	27.7
12:46:35.038	21	0.00008	0	0.00114	3.586	0.000349	28.2
12:46:36.038	21	0.00008	0	0.00153	3.675	0.000358	27.4
12:46:37.038	21	0.00007	0	0.00135	3.753	0.000365	26.8
12:46:38.038	21	0.00006	0.00001	0.00116	3.727	0.000362	27.6
12:46:39.038	21	0.00006	0.00003	0.00132	3.718	0.000362	28.2
12:46:40.038	21	0.00005	0.00002	0.00109	3.375	0.000328	28.6
12:46:41.038	21	0.00005	0.00002	0.00087	2.891	0.000281	29
12:46:42.038	21	0.00004	0.00002	0.00072	2.371	0.000231	29.1
12:46:43.038	21	0.00004	0.00003	0	1.776	0.000173	29.2
12:46:44.038	21	0.00003	0.00002	0	1.273	0.000124	28.9
12:46:45.038	21	0.00003	0.00001	0	0.903	0.000088	28.7
12:46:46.038	21	0.00003	0	0.00031	0.69	0.000067	28.6
12:46:47.038	21	0.00003	0	0.00101	0.571	0.000056	28.5
12:46:48.038	21	0.00003	0	0.00157	0.631	0.000062	28.8
12:46:49.038	21	0.00003	0	0.00185	0.878	0.000086	29.1
12:46:50.038	21	0.00003	0	0.0017	1.128	0.00011	29.1
12:46:51.038	21	0.00003	0	0.00171	1.334	0.00013	29.1
12:46:52.038	21	0.00003	0.00001	0.00175	1.696	0.000166	29.5
12:46:53.038	21	0.00003	0.00001	0.00192	1.987	0.000194	29.9
12:46:54.038	21	0.00003	0.00002	0.00222	2.254	0.00022	29
12:46:55.038	21	0.00003	0.00002	0.00131	2.509	0.000245	28.3
12:46:56.038	21	0.00003	0.00001	0.00111	2.562	0.00025	29.3

1.40E+00	-1.000	1.400	0.000	1.357	0.800
1.40E+00	-1.100	1.400	0.000	1.362	0.000
1.40E+00	-1.200	1.400	0.000	1.364	0.000
1.30E+00	-1.300	1.400	0.000	1.334	0.000
1.30E+00	-1.300	1.400	0.000	1.291	0.000
1.40E+00	-0.400	1.600	0.000	1.430	0.000
3.50E+00	1.900	2.000	1.732	1.791	0.000
4.80E+00	3.300	2.100	2.929	1.890	0.000
5.10E+00	3.500	2.100	3.181	1.908	0.000
5.00E+00	3.300	2.100	3.037	1.924	0.000
3.50E+00	1.900	2.000	1.713	1.834	0.000
2.30E+00	0.600	1.900	0.586	1.742	0.000
1.70E+00	0.000	1.800	0.019	1.633	0.600
1.60E+00	-0.200	1.800	0.000	1.627	1.000
1.60E+00	-0.400	1.800	0.000	1.627	1.700
1.50E+00	-0.500	1.700	0.000	1.536	2.200
1.50E+00	-0.600	1.700	0.000	1.537	2.000
1.50E+00	-0.700	1.700	0.000	1.549	2.000
1.50E+00	-0.700	1.600	0.000	1.473	2.000
1.40E+00	-0.900	1.500	0.000	1.376	1.300
1.30E+00	-0.900	1.500	0.000	1.349	0.200
1.30E+00	-0.900	1.500	0.000	1.334	0.000
1.30E+00	-0.800	1.500	0.000	1.330	0.000
1.30E+00	-0.100	1.500	0.000	1.334	0.000
1.80E+00	0.500	1.500	0.417	1.341	0.000
1.90E+00	0.600	1.500	0.540	1.350	0.000
1.90E+00	0.600	1.500	0.539	1.349	0.000
1.70E+00	0.400	1.500	0.366	1.347	0.000
1.40E+00	0.000	1.500	0.009	1.347	0.700
1.40E+00	-0.300	1.500	0.000	1.351	2.000
1.30E+00	-0.500	1.400	0.000	1.265	2.000
1.30E+00	-0.700	1.400	0.000	1.267	2.000
1.30E+00	-0.900	1.400	0.000	1.277	2.200
1.20E+00	-1.000	1.300	0.000	1.204	2.800
1.10E+00	-1.200	1.200	0.000	1.130	2.000
1.00E+00	-1.300	1.000	0.000	0.962	0.800
9.00E-01	-1.300	0.900	0.000	0.864	0.000
9.00E-01	-1.300	0.900	0.000	0.867	0.000
9.00E-01	-1.400	0.900	0.000	0.866	0.000
9.00E-01	-1.400	0.900	0.000	0.859	0.000
9.00E-01	-1.400	0.900	0.000	0.853	0.000
8.00E-01	-1.400	0.900	0.000	0.848	0.000
8.00E-01	-1.400	0.900	0.000	0.847	0.700
8.00E-01	-1.400	0.900	0.000	0.842	1.000
8.00E-01	-1.400	0.900	0.000	0.835	2.000
8.00E-01	-1.400	0.900	0.000	0.828	1.300
8.00E-01	-1.400	0.900	0.000	0.826	1.000

1046	15.518	1.5	202.4	212.662842	26.503691	4	0
1000	14.743	14.9	203.116348	212.674358	20.073589	3	0
1145	14.28	46.4	202.646363	239.923099	44.861656	2.579208	0
1578	15.507	83.6	203.36	267.17184	98.236477	0.588636	0
1924	18.159	85.1	204.585581	294.42058	151.611297	0	0
1542	21.207	81.1	262.221846	318.017953	204.986118	0	0
1665	23.45	72.6	207.770898	319.552837	231.021207	0	0
1743	25.46	52.8	209.59314	321.087721	204.920065	0.957115	0
1562	25.755	49.6	211.19187	322.622605	178.818923	1.223256	0
1468	26.502	58.4	247.480025	324.157488	152.717781	2	0
1488	26.7	65.1	222.229917	325.264311	127.445026	1.356033	0
1505	27.261	72.1	214.320779	326.290809	116.973822	0.297297	0
1527	27.95	64.9	215.139722	327.317307	106.502618	0	0
1534	27.95	66	237.97962	328.343805	96.031414	0	0
1537	27.95	69.8	240.013251	326.206727	85.560209	0	0
1532	27.95	61.5	218.793472	322.388545	86.128467	0	0
1504	26.93	27.7	220.457412	318.570364	88.629604	0	0
1442	26.119	51.7	220.9	314.752182	91.130741	0.706818	0
1419	25.46	67.2	261.078966	316.449561	93.631878	0.079404	0
1411	25.46	79.5	223.012955	334.432018	103.399399	0	0
1416	25.46	89	224.621053	352.414474	121.941118	0	0
1435	25.976	91.7	226.33614	370.39693	140.482836	0	0
1456	26.124	79.4	305.535397	385.139363	159.024555	0	0
1449	26.505	67.7	228.849351	381.3767	160.991699	1.110459	0
1444	26.08	68.1	230.045229	377.614038	143.657715	2	0
1442	26.08	72.1	230.854642	373.851375	126.32373	2	0
1440	26.08	70.5	287.845137	370.084585	108.989746	1.4	0
1453	26.211	66.9	232.497551	364.946342	95.848577	1	0
1470	26.7	60.7	233.243855	359.808099	89.970374	1	0
1500	27.014	60.8	234.571203	354.669856	84.09217	1	0
1526	27.801	43	275.145977	349.531612	78.213967	1	0
1536	27.95	19.1	241.233333	331.000886	72.833169	1	0
1536	27.95	19.1	236.9	311.242028	71.356791	1	0
1534	27.95	12.9	237.157643	291.483169	69.880413	1	0
1533	27.95	13.2	247.726412	271.724311	68.404035	1	0
1536	27.95	13	240.720732	263.319656	67.271742	1	0
1544	27.95	19.5	238.742043	256.887327	72.817494	1	0
1554	28.107	32.8	239.03658	250.454998	78.363247	0	0
1564	28.57	33.6	240.510719	244.022669	83.908999	0	0
1562	28.57	34.1	240.708163	243.829183	89.08057	0	0
1557	28.551	34.6	241.286937	246.70856	90.063129	0	0
1543	27.95	42.2	242.200296	249.587938	91.045689	0	0
1537	27.95	52.3	246.307908	252.467315	92.028249	0	0
1530	27.95	53.7	245.340426	258.865455	92.991725	0	0
1534	27.95	53.4	245.121538	266.062332	92.239468	0	0
1536	27.95	48.5	246.525806	273.25921	91.487212	0	0
1538	27.95	46.8	255.16635	280.456087	90.734955	0	0

0.02885	0.00415	0.39883	607.643
0.02887	0.00415	0.39911	607.765
0.02892	0.00415	0.40025	607.977
0.02901	0.00415	0.40598	609.933
0.02912	0.00415	0.41831	615.268
0.02923	0.00415	0.42419	621.51
0.02945	0.00415	0.42754	627.174
0.02972	0.00415	0.43004	632.102
0.02993	0.00415	0.43107	635.462
0.03014	0.00415	0.43158	638.447
0.03029	0.00415	0.43332	641.465
0.03039	0.00415	0.43496	644.81
0.03046	0.00416	0.43668	648.345
0.03053	0.00417	0.43838	652.12
0.0306	0.00419	0.43966	656.035
0.03067	0.00422	0.4409	659.821
0.03073	0.00424	0.44205	663.304
0.0308	0.00427	0.44207	666.577
0.03087	0.0043	0.44266	669.674
0.03094	0.00432	0.44485	673.236
0.03101	0.00432	0.44841	678.131
0.0311	0.00432	0.45225	684.675
0.03118	0.00432	0.45405	690.641
0.03125	0.00432	0.45544	695.756
0.03133	0.00432	0.45651	699.84
0.03141	0.00432	0.45765	703.426
0.03149	0.00432	0.45918	707.101
0.03156	0.00432	0.46053	710.854
0.03162	0.00433	0.46169	714.581
0.03168	0.00436	0.46301	718.299
0.03173	0.00438	0.4641	721.674
0.03178	0.0044	0.46497	724.565
0.03182	0.00442	0.46569	726.936
0.03186	0.00445	0.46569	728.712
0.03189	0.00447	0.46569	729.985
0.03192	0.00448	0.46569	730.888
0.03195	0.00448	0.466	731.578
0.03198	0.00448	0.46701	732.149
0.03201	0.00448	0.46858	732.78
0.03204	0.00448	0.47043	733.658
0.03207	0.00448	0.47213	734.786
0.0321	0.00448	0.47384	736.12
0.03213	0.00449	0.47559	737.816
0.03216	0.0045	0.47751	739.803
0.03219	0.00452	0.47973	742.057
0.03222	0.00454	0.48104	744.566
0.03225	0.00455	0.48215	747.128

12:46:57.038	21	0.00003	0.00001	0.00101	2.419	0.000236	30.2
12:46:58.038	21	0.00003	0.00002	0.00111	2.342	0.000228	29.7
12:46:59.038	21	0.00003	0.00002	0.00131	2.313	0.000226	29.2
12:47:00.038	21	0.00003	0.00003	0.00146	2.333	0.000227	29.5
12:47:01.038	21	0.00003	0.00003	0.00146	2.341	0.000228	29.8
12:47:02.038	21	0.00004	0.00004	0.00155	2.491	0.000243	28.1
12:47:03.038	21	0.00004	0.00004	0.00164	2.7	0.000263	26.7
12:47:04.038	21	0.00004	0.00003	0.00154	2.928	0.000285	27.4
12:47:05.038	21	0.00004	0.00002	0.00152	3.248	0.000316	28.1
12:47:06.038	21	0.00004	0.00001	0.00152	3.396	0.000331	28.6
12:47:07.038	21	0.00004	0	0.00091	3.224	0.000314	29
12:47:08.038	21	0.00004	0	0.00105	2.95	0.000287	29.1
12:47:09.038	21	0.00004	0.00001	0.00142	2.603	0.000254	29.2
12:47:10.038	21	0.00003	0.00001	0.00118	2.23	0.000217	28.6
12:47:11.038	21	0.00003	0.00001	0.00079	1.907	0.000186	28.1
12:47:12.038	21	0.00003	0.00002	0.00067	1.63	0.000159	26.5
12:47:13.038	21	0.00003	0.00002	0.00075	1.337	0.000131	25.1
12:47:14.038	21	0.00003	0.00001	0.00011	1.056	0.000103	24.4
12:47:15.038	21	0.00003	0	0.0005	0.841	0.000082	23.7
12:47:16.038	21	0.00002	0	0.00084	0.725	0.000071	22.9
12:47:17.038	21	0.00002	0	0.00089	0.735	0.000072	22.2
12:47:18.038	21	0.00002	0	0.00066	0.659	0.000064	21.7
12:47:19.038	21	0.00002	0	0.00061	0.616	0.00006	21.3
12:47:20.038	21	0.00002	0	0.00059	0.545	0.000053	19.6
12:47:21.038	21	0.00002	0	0.00029	0.517	0.000051	18.1
12:47:22.038	21	0.00002	0	0.00006	0.412	0.00004	15.2
12:47:23.038	21	0.00002	0	0.00019	0.24	0.000023	12.7
12:47:24.038	21	0.00002	0	0.00052	0.187	0.000018	10.7
12:47:25.038	21	0.00002	0	0.00072	0.283	0.000028	8.9
12:47:26.038	21	0.00002	0	0.00137	0.542	0.000053	6.1
12:47:27.038	21	0.00003	0	0.00163	0.907	0.000089	3.8
12:47:28.038	21	0.00003	0	0.00194	1.352	0.000132	4.7
12:47:29.038	21	0.00004	0	0.00281	2.524	0.000246	5.4
12:47:30.038	21	0.00005	0.00001	0.00264	3.315	0.000323	6.6
12:47:31.038	21	0.00004	0.00001	0.00201	3.104	0.000302	7.7
12:47:32.038	21	0.00004	0.00001	0.00111	3.026	0.000294	10.3
12:47:33.038	21	0.00005	0.00001	0.00053	3.425	0.000333	12.5
12:47:34.038	21	0.00005	0.00002	0.00119	3.221	0.000314	13.7
12:47:35.038	21	0.00005	0.00003	0.00187	3.166	0.000309	14.8
12:47:36.038	21	0.00004	0.00002	0.00117	2.536	0.000247	16.4
12:47:37.038	21	0.00003	0.00001	0.00032	1.956	0.000191	17.8
12:47:38.038	21	0.00003	0.00001	0	1.332	0.00013	18.2
12:47:39.038	21	0.00003	0.00002	0	0.832	0.000081	18.6
12:47:40.038	21	0.00003	0.00002	0.00064	0.706	0.000069	18.9
12:47:41.038	21	0.00003	0.00001	0.0011	0.732	0.000072	19.1
12:47:42.038	21	0.00003	0	0.00074	0.616	0.00006	18.8
12:47:43.038	21	0.00003	0	0.00029	0.482	0.000047	18.5

8.00E-01	-1.400	0.900	0.000	0.826	1.000	1538	27.95	44	251.465115	282.101013	89.959333	0	0
9.00E-01	-1.400	1.000	0.000	0.913	1.700	1520	27.32	47.1	248.3	281.543769	88.19121	0	0
9.00E-01	-1.500	1.000	0.000	0.923	2.000	1509	27.32	48.4	248.526761	280.986525	86.423087	0	0
9.00E-01	-1.500	1.000	0.000	0.924	2.700	1501	27.32	48.7	257.315288	280.429281	84.654963	0	0
9.00E-01	-1.500	1.000	0.000	0.923	3.000	1490	27.32	47.5	252.253553	284.284994	83.030397	0	0
9.00E-01	-1.500	1.000	0.000	0.923	3.000	1489	26.763	52.5	250.199604	289.473788	83.505343	0	0
9.00E-01	-1.500	1.000	0.000	0.922	3.000	1494	26.858	62.4	249.6	294.662582	83.98029	0	0
9.00E-01	-1.500	1.000	0.000	0.918	2.300	1500	27.32	63	260.172531	299.851376	84.455236	0	0
9.00E-01	-1.500	1.000	0.000	0.914	1.500	1512	27.32	61.1	260.886401	302.171952	84.930183	0	0
9.00E-01	-1.500	1.000	0.000	0.911	0.800	1523	27.32	56.7	250.540733	303.034623	84.389114	0	0
1.00E+00	-1.500	1.100	0.000	0.994	0.000	1516	27.32	53.5	250.3	303.897295	83.672953	0	0
1.00E+00	-1.500	1.100	0.000	1.005	0.400	1514	27.32	47.5	249.647912	304.759967	82.956792	0	0
1.00E+00	-1.500	1.100	0.000	1.009	1.000	1502	27.32	38.7	268.948421	300.947826	82.24063	0	0
1.00E+00	-1.500	1.100	0.000	1.011	1.000	1479	26.964	35.8	249.289474	289.310997	81.3188	0	0
1.00E+00	-1.500	1.100	0.000	1.018	1.000	1437	26.25	18.9	249	277.674169	80.292896	0	0
1.00E+00	-1.500	1.100	0.000	1.024	2.000	1387	25.411	17.8	248.432225	266.03734	79.266992	0	0
1.00E+00	-1.500	1.100	0.000	1.033	2.000	1345	24.537	21	251.793783	256.981031	78.241087	0.212516	0
1.00E+00	-1.500	1.100	0.000	1.040	0.800	1305	23.845	26.9	247.907418	250.905665	79.609679	1	0
1.00E+00	-1.600	1.100	0.000	1.047	0.000	1258	23.048	31.3	248.169839	244.8303	81.713835	1	0
1.00E+00	-1.600	1.100	0.000	1.050	0.000	1215	22.21	24.1	246.040987	238.754935	83.817991	0.047809	0
1.00E+00	-1.600	1.100	0.000	1.048	0.000	1164	21.285	8.7	245.094172	231.647818	85.922146	0	0
1.00E+00	-1.600	1.100	0.000	1.045	0.000	1053	19.984	0	246.491548	223.739857	77.592857	0	0
1.00E+00	-1.600	1.100	0.000	1.045	0.000	977	17.61	0.1	246.332941	215.831896	68.862698	0	0
1.00E+00	-1.700	1.100	0.000	1.048	0.000	944	14.337	10.6	237.755224	207.923935	60.13254	0	0
1.10E+00	-1.700	1.100	0.000	1.053	0.000	762	11.723	35.4	244.893991	207.545624	55.308879	0	0
1.10E+00	-1.800	1.100	0.000	1.061	0.000	966	9.684	41.7	245.1	209.266372	67.925701	0	0
1.00E+00	-1.800	1.000	0.000	0.978	0.000	838	7.499	29.8	244.943902	210.987119	80.542523	0	0
1.00E+00	-1.800	1.000	0.000	0.972	0.000	746	5.57	38.6	237.372083	212.707866	93.159346	0	0
1.00E+00	-1.800	1.000	0.000	0.967	0.000	744	4.527	46.7	238.848005	218.761896	105.776168	0	0
1.00E+00	-1.800	1.000	0.000	0.958	0.000	890	4.35	51.5	243.9	226.551666	108.277529	0	0
1.00E+00	-1.800	1.100	0.000	1.033	0.000	1046	5.404	68.4	243.420819	234.341436	109.69229	0	0
1.00E+00	-1.800	1.100	0.000	1.031	0.000	1069	6.455	50.3	244.079239	242.131206	111.10705	0	0
1.10E+00	-1.800	1.200	0.000	1.101	0.000	1381	8.243	64.4	244.460655	249.983714	112.521811	0	0
1.10E+00	-1.800	1.200	0.000	1.095	0.500	1499	10.26	69.6	243.3	257.912286	108.479024	0	0
1.10E+00	-1.700	1.200	0.000	1.085	1.000	1391	12.088	44.9	243.696193	265.840857	101.649756	0	0
1.10E+00	-1.700	1.200	0.000	1.083	1.000	1412	13.007	48.6	243.360422	273.769429	94.820488	0	0
1.10E+00	-1.700	1.200	0.000	1.092	1.000	1549	14.409	54.4	258.768792	278.568339	87.99122	0	0
1.10E+00	-1.700	1.200	0.000	1.102	1.700	1661	15.412	57.7	243.3	274.077622	82.610903	0	0
1.10E+00	-1.700	1.200	0.000	1.098	2.000	1755	16.875	32.2	243.3	269.586904	78.35984	0	0
1.10E+00	-1.700	1.200	0.000	1.098	1.800	1465	17.39	6.3	243.3	265.096187	74.108777	0	0
1.10E+00	-1.600	1.200	0.000	1.108	1.000	1231	18.01	20.4	250.897039	259.0905	69.857714	0	0
1.10E+00	-1.600	1.200	0.000	1.126	1.500	1283	18.264	27.8	242.5	248.904407	68.422567	1	0
1.10E+00	-1.600	1.200	0.000	1.143	3.000	1289	18.63	16.1	242.246126	238.718315	69.17313	0.766311	0
1.10E+00	-1.600	1.100	0.000	1.058	2.600	1291	19.031	8.1	242.257506	228.532223	69.923693	0	0
1.00E+00	-1.600	1.100	0.000	1.049	1.000	1317	19.33	3.1	231.782893	218.666935	70.674256	0	0
1.10E+00	-1.600	1.100	0.000	1.052	0.300	1379	20.118	0	241.685504	210.2435	65.026385	0	0
1.10E+00	-1.600	1.100	0.000	1.058	0.000	1459	21.23	0	241.3	201.820065	54.472296	0	0

0.03228	0.00456	0.48316	749.547
0.03231	0.00458	0.48427	751.889
0.03234	0.0046	0.48558	754.202
0.03237	0.00463	0.48704	756.535
0.0324	0.00466	0.4885	758.876
0.03244	0.0047	0.49005	761.367
0.03248	0.00474	0.49169	764.067
0.03252	0.00477	0.49323	766.995
0.03256	0.00479	0.49475	770.243
0.0326	0.0048	0.49627	773.639
0.03264	0.0048	0.49718	776.863
0.03268	0.0048	0.49823	779.813
0.03272	0.00481	0.49965	782.416
0.03275	0.00482	0.50083	784.646
0.03278	0.00483	0.50162	786.553
0.03281	0.00485	0.50229	788.183
0.03284	0.00487	0.50304	789.52
0.03287	0.00488	0.50315	790.576
0.0329	0.00488	0.50365	791.417
0.03292	0.00488	0.50449	792.142
0.03294	0.00488	0.50538	792.877
0.03296	0.00488	0.50604	793.536
0.03298	0.00488	0.50665	794.152
0.033	0.00488	0.50724	794.697
0.03302	0.00488	0.50753	795.214
0.03304	0.00488	0.50759	795.626
0.03306	0.00488	0.50778	795.866
0.03308	0.00488	0.5083	796.053
0.0331	0.00488	0.50902	796.336
0.03312	0.00488	0.51039	796.878
0.03315	0.00488	0.51202	797.785
0.03318	0.00488	0.51396	799.137
0.03322	0.00488	0.51677	801.661
0.03327	0.00489	0.51941	804.976
0.03331	0.0049	0.52142	808.08
0.03335	0.00491	0.52253	811.106
0.0334	0.00492	0.52306	814.531
0.03345	0.00494	0.52425	817.752
0.0335	0.00497	0.52612	820.918
0.03354	0.00499	0.52729	823.454
0.03357	0.005	0.52761	825.41
0.0336	0.00501	0.52761	826.742
0.03363	0.00503	0.52761	827.574
0.03366	0.00505	0.52825	828.28
0.03369	0.00506	0.52935	829.012
0.03372	0.00506	0.53009	829.628
0.03375	0.00506	0.53038	830.11

12:47:44.038	21	0.00003	0	0.00031	0.333	0.000033	20.2
12:47:45.038	21	0.00003	0	0.00011	0.22	0.000021	21.7
12:47:46.038	21	0.00003	0	0.00048	0.134	0.000013	22.5
12:47:47.038	21	0.00003	0	0.00075	0.092	0.000013	23.1
12:47:48.038	21	0.00003	0	0.00041	0.073	0.000013	24
12:47:49.038	21	0.00003	0	0.00052	0.065	0.000012	24.7
12:47:50.038	21	0.00003	0	0.00063	0.057	0.000011	24.5
12:47:51.038	21	0.00003	0	0.00063	0.051	0.000011	24.4
12:47:52.038	21	0.00002	0	0.00055	0.042	0.00001	24
12:47:53.038	21	0.00002	0	0.00046	0.031	0.000008	23.6
12:47:54.038	21	0.00002	0	0.00039	0.026	0.000007	22
12:47:55.038	21	0.00002	0	0.00045	0.03	0.000008	20.7
12:47:56.038	21	0.00003	0	0.00057	0.039	0.00001	18.4
12:47:57.038	21	0.00003	0	0.00112	0.153	0.000015	16.3
12:47:58.038	21	0.00004	0	0.0037	0.717	0.000071	14.1
12:47:59.038	21	0.00005	0	0.00598	2.208	0.000216	12.2
12:48:00.038	21	0.00005	0	0.00533	3.692	0.00036	13.9
12:48:01.038	21	0.00007	0	0.00268	4.437	0.000432	15.3
12:48:02.038	21	0.00007	0.00002	0.00154	4.148	0.000404	17.6
12:48:03.038	21	0.00005	0.00004	0.0011	3.208	0.000312	19.6
12:48:04.038	21	0.00004	0.00003	0.00088	2.311	0.000225	20.5
12:48:05.038	21	0.00004	0.00002	0.00067	1.832	0.000179	21.3
12:48:06.038	21	0.00003	0.00001	0.00046	1.412	0.000138	20
12:48:07.038	21	0.00003	0.00001	0.00065	1.114	0.000109	18.8
12:48:08.038	21	0.00003	0.00001	0.00033	0.879	0.000086	17.3
12:48:09.038	21	0.00002	0.00001	0.00008	0.561	0.000055	16.1
12:48:10.038	21	0.00002	0.00001	0.00013	0.357	0.000035	16.2
12:48:11.038	21	0.00002	0.00001	0.00038	0.251	0.000025	16.3
12:48:12.038	21	0.00002	0	0.00074	0.282	0.000028	13.7
12:48:13.038	21	0.00002	0	0.00074	0.319	0.000031	11.5
12:48:14.038	21	0.00002	0	0.00094	0.358	0.000035	11.1
12:48:15.038	21	0.00001	0	0.00103	0.423	0.000041	10.8
12:48:16.038	21	0.00001	0	0.001	0.496	0.000049	9.1
12:48:17.038	21	0.00001	0	0.00083	0.582	0.000057	7.7
12:48:18.038	21	0.00001	0	0.00053	0.584	0.000057	6.5
12:48:19.038	21	0.00002	0	0.00075	0.84	0.000082	5.5
12:48:20.038	21	0.00004	0	0.0035	2.566	0.000251	4.1
12:48:21.038	21	0.00005	0.00001	0.00568	4.449	0.000434	3
12:48:22.038	21	0.00007	0	0.00637	7.584	0.000738	3.7
12:48:23.038	21	0.00011	0	0.00509	10.208	0.000993	4.3
12:48:24.038	21	0.00032	0	0.00315	9.044	0.000879	8.1
12:48:25.038	21	0.00054	0	0.00265	7.35	0.000715	11.4
12:48:26.038	21	0.00048	0	0.00225	5.206	0.000507	14.4
12:48:27.038	21	0.00049	0	0.00275	4.864	0.000473	16.9
12:48:28.038	21	0.00043	0	0.00308	5.354	0.000521	18.3
12:48:29.038	21	0.00036	0	0.00276	5.907	0.000574	19.4
12:48:30.038	21	0.00033	0	0.00239	6.612	0.000642	20.1

1.10E+00	-1.600	1.100	0.000	1.065	0.000	1532	22.297	0	241.3	193.396631	43.918206	0	0
1.10E+00	-1.600	1.100	0.000	1.070	0.000	1617	23.6	0	215.628846	185.687945	33.364116	0	0
1.10E+00	-1.600	1.100	0.000	1.086	0.000	1649	23.754	0	240.477	180.751091	25.266774	0	0
1.10E+00	-1.600	1.100	0.000	1.089	0.000	1673	24.22	0	240	175.814237	20.900965	0	0
1.10E+00	-1.700	1.100	0.000	1.089	0.000	1677	24.22	0	239.745052	170.877382	16.535156	0	0
1.10E+00	-1.700	1.100	0.000	1.089	0.000	1669	24.22	0	215.992768	165.940528	12.169347	0	0
1.10E+00	-1.700	1.100	0.000	1.089	0.000	1644	23.673	0	232.353801	162.837066	7.952356	0	0
1.10E+00	-1.700	1.100	0.000	1.089	0.000	1607	22.916	0	238.8	160.057143	6.893594	0	0
1.10E+00	-1.700	1.100	0.000	1.089	0.000	1491	21.658	0	238.573821	157.27722	5.834833	0	0
1.10E+00	-1.700	1.100	0.000	1.089	0.000	1252	18.561	0	208.336895	154.497297	4.776072	0	0
1.10E+00	-1.700	1.100	0.000	1.089	0.000	1024	15.283	0	237.5	158.212104	7.303638	0	0
1.10E+00	-1.800	1.100	0.000	1.089	0.000	931	13.5	9.1	237.378014	162.162472	19.676813	0	0
1.10E+00	-1.800	1.100	0.000	1.089	0.000	952	13.04	36.8	236.9	166.112839	32.049988	0	0
1.10E+00	-1.900	1.100	0.000	1.075	0.000	1180	13.04	55.1	208.813826	170.419292	44.423163	0	0
1.10E+00	-1.900	1.100	0.000	1.062	0.000	1454	13.181	68.8	236.9	196.625042	55.821285	0	0
1.00E+00	-1.900	1.100	0.000	1.031	0.000	1583	15.019	68.4	236.9	222.830791	63.880066	0	0
1.00E+00	-1.900	1.100	0.000	1.006	0.000	1710	16.018	67.5	236.633667	249.036541	71.938848	0	0
1.30E+00	-1.900	1.500	0.000	1.343	0.000	1841	17.549	60.8	248.576225	275.24229	79.99763	0	0
1.40E+00	-1.900	1.500	0.000	1.356	1.400	1423	18.525	46.1	239.946763	274.362083	88	0.581669	0
1.40E+00	-1.800	1.500	0.000	1.361	3.400	1348	19.156	42.5	234.415613	267.00407	88	1.642715	0
1.40E+00	-1.800	1.500	0.000	1.371	3.600	1339	18.63	34.9	234.3	259.646057	88	2.768862	0
1.30E+00	-1.800	1.400	0.000	1.297	2.300	1252	18.396	8.9	233.971283	252.288043	88	3	0
1.30E+00	-1.800	1.400	0.000	1.299	1.000	1146	17.128	3.6	237.385118	243.145979	88	3	0
1.20E+00	-1.800	1.300	0.000	1.227	1.000	1086	16.069	8.7	232.037583	231.892659	82.437198	3	0
1.10E+00	-1.800	1.200	0.000	1.147	1.000	1032	15.082	16.4	231.299764	220.639338	73.983092	3	0
1.10E+00	-1.800	1.100	0.000	1.054	1.000	933	13.653	7.2	231.1	209.386018	65.528986	3	0
1.00E+00	-1.800	1.000	0.000	0.965	1.000	885	12.881	15.3	218.820452	201.7	57.074879	2	0
9.00E-01	-1.800	0.900	0.000	0.880	1.000	846	12.168	23.5	229.8	201.7	59.333733	1.817783	0
9.00E-01	-1.900	0.900	0.000	0.873	0.000	1024	11.131	39.4	229.45879	201.7	71.561017	1	0
9.00E-01	-1.900	0.900	0.000	0.869	0.000	1036	10.077	27.3	228.667277	201.7	83.7883	0.490789	0
9.00E-01	-1.900	0.900	0.000	0.868	0.000	854	8.661	25.5	215.150886	201.853537	96.015584	0	0
9.00E-01	-2.000	0.900	0.000	0.863	0.000	796	7.574	31.3	227.3	202.982489	104.173413	0	0
9.00E-01	-2.000	0.900	0.000	0.857	0.000	738	4.993	46.3	227.3	204.11144	104.673163	0	0
9.00E-01	-2.000	0.900	0.000	0.853	0.000	748	2.361	47.8	226.602128	205.240391	105.172914	0	0
9.00E-01	-2.000	0.900	0.000	0.852	0.000	749	1.204	46.8	216.489406	209.782874	105.672664	0	0
9.00E-01	-2.000	0.900	0.000	0.851	0.000	866	0.469	46	225.889901	233.668703	109.033157	0	0
8.00E-01	-2.000	0.900	0.000	0.842	0.000	1413	1.07	70.6	225.4	257.554532	117.824918	0	0
8.00E-01	-2.000	0.900	0.000	0.826	0.400	1663	4.979	83	224.851572	281.440361	126.616679	0	0
8.00E-01	-1.800	0.900	0.000	0.810	0.000	1855	8.248	76.3	261.968571	305.09373	135.40844	0	0
1.10E+00	-0.800	1.200	0.000	1.056	0.000	1898	11.301	72.3	224	327.489436	143.836824	0.036481	0
3.30E+00	1.900	1.900	1.661	1.666	0.000	1942	14.485	70.4	224.258918	349.885143	151.630297	2.247093	0
6.80E+00	4.900	2.700	4.406	2.398	0.000	1879	16.871	72.8	224.231962	372.280849	159.42377	4.467059	0
8.20E+00	5.800	3.300	5.212	2.951	0.000	1431	17.973	80.7	299.42091	393.635679	167.217243	5.682045	0
8.80E+00	5.900	3.900	5.313	3.505	0.000	1398	19.384	86.7	224.746161	397.770407	174.256494	6	0
7.70E+00	4.800	3.900	4.264	3.486	0.000	1468	20.569	84.4	225.438931	401.905134	179.126623	5.110891	0
6.30E+00	3.300	3.800	2.896	3.375	0.000	1527	21.561	81.2	226.185315	406.039861	183.996753	4.124419	0
5.10E+00	2.300	3.400	2.076	3.046	0.000	1580	22.709	83.6	273.770387	410.174588	188.866883	5	0

0.03378	0.00506	0.53069	830.443
0.03381	0.00506	0.5308	830.663
0.03384	0.00506	0.53128	830.797
0.03387	0.00506	0.53203	830.889
0.0339	0.00506	0.53244	830.962
0.03393	0.00506	0.53296	831.027
0.03396	0.00506	0.53359	831.084
0.03399	0.00506	0.53422	831.135
0.03401	0.00506	0.53477	831.177
0.03403	0.00506	0.53523	831.208
0.03405	0.00506	0.53562	831.234
0.03407	0.00506	0.53607	831.264
0.0341	0.00506	0.53664	831.303
0.03413	0.00506	0.53776	831.456
0.03417	0.00506	0.54146	832.173
0.03422	0.00506	0.54744	834.381
0.03427	0.00506	0.55277	838.073
0.03434	0.00506	0.55545	842.51
0.03441	0.00508	0.55699	846.658
0.03446	0.00512	0.55809	849.866
0.0345	0.00515	0.55897	852.177
0.03454	0.00517	0.55964	854.009
0.03457	0.00518	0.5601	855.421
0.0346	0.00519	0.56075	856.535
0.03463	0.0052	0.56108	857.414
0.03465	0.00521	0.56116	857.975
0.03467	0.00522	0.56129	858.332
0.03469	0.00523	0.56167	858.583
0.03471	0.00523	0.56241	858.865
0.03473	0.00523	0.56315	859.184
0.03475	0.00523	0.56409	859.542
0.03476	0.00523	0.56512	859.965
0.03477	0.00523	0.56612	860.461
0.03478	0.00523	0.56695	861.043
0.03479	0.00523	0.56748	861.627
0.03481	0.00523	0.56823	862.467
0.03485	0.00523	0.57173	865.033
0.0349	0.00524	0.57741	869.482
0.03497	0.00524	0.58378	877.066
0.03508	0.00524	0.58887	887.274
0.0354	0.00524	0.59202	896.318
0.03594	0.00524	0.59467	903.668
0.03642	0.00524	0.59692	908.874
0.03691	0.00524	0.59967	913.738
0.03734	0.00524	0.60275	919.092
0.0377	0.00524	0.60551	924.999
0.03803	0.00524	0.6079	931.611

12:48:31.038	21	0.00036	0	0.00454	8.894	0.000864	20.7
12:48:32.038	21	0.00034	0	0.00351	9.167	0.00089	21.9
12:48:33.038	21	0.00023	0	0.00093	5.283	0.000513	23
12:48:34.038	21	0.00018	0	0.00011	3.081	0.0003	24.9
12:48:35.038	21	0.00017	0	0.00014	2.026	0.000197	26.6
12:48:36.038	21	0.00014	0	0.00073	1.953	0.00019	24.8
12:48:37.038	21	0.0001	0	0.00251	2.307	0.000225	23.2
12:48:38.038	21	0.00007	0	0.00219	2.509	0.000245	23.4
12:48:39.038	21	0.00006	0	0.00161	2.537	0.000247	23.6
12:48:40.038	21	0.00004	0	0.00101	1.905	0.000186	24.4
12:48:41.038	21	0.00003	0	0.00061	1.449	0.000141	25
12:48:42.038	21	0.00003	0	0.00027	1.179	0.000115	23.9
12:48:43.038	21	0.00002	0.00001	0.0001	0.928	0.00009	23
12:48:44.038	21	0.00002	0.00001	0	0.638	0.000062	19
12:48:45.038	21	0.00001	0	0	0.419	0.000041	15.7
12:48:46.038	21	0.00001	0	0.00017	0.241	0.000024	13
12:48:47.038	21	0.00001	0	0.00043	0.142	0.000014	10.7
12:48:48.038	21	0.00001	0	0.00081	0.157	0.000015	7.2
12:48:49.038	21	0.00001	0	0.00235	0.704	0.000069	4.1
12:48:50.038	21	0.00002	0	0.00296	1.394	0.000136	1.9
12:48:51.038	21	0.00003	0	0.00413	2.628	0.000257	0
12:48:52.038	21	0.00006	0	0.00428	4.439	0.000433	3.6
12:48:53.038	21	0.00007	0	0.00359	5.969	0.000581	6.6
12:48:54.038	21	0.00012	0	0.0056	10.5	0.001021	9.7
12:48:55.038	21	0.00014	0	0.00296	9.958	0.000968	12.4
12:48:56.038	21	0.00032	0	0.00266	7.562	0.000735	17.6
12:48:57.038	21	0.00037	0	0.00271	6.703	0.000652	22
12:48:58.038	21	0.00034	0	0.00234	5.473	0.000532	25.7
12:48:59.038	21	0.00026	0	0.00143	4.32	0.00042	28.9
12:49:00.038	21	0.00017	0	0.00031	2.933	0.000285	30.7
12:49:01.038	21	0.00011	0.00001	0	2.384	0.000232	32.3
12:49:02.038	21	0.00007	0.00005	0.00015	1.933	0.000188	33.1
12:49:03.038	21	0.00007	0.0001	0.00067	1.683	0.000164	33.8
12:49:04.038	21	0.00005	0.0001	0.00124	1.68	0.000164	33.5
12:49:05.038	21	0.00004	0.00005	0.00142	1.569	0.000153	33.3
12:49:06.038	21	0.00004	0.00002	0.00098	1.137	0.000111	33.1
12:49:07.038	21	0.00003	0.00001	0.00081	1.051	0.000103	33
12:49:08.038	21	0.00003	0.00001	0.00109	1.175	0.000115	32.9
12:49:09.038	21	0.00003	0.00001	0.00129	1.265	0.000123	32.9
12:49:10.038	21	0.00003	0.00001	0.00129	1.4	0.000137	32
12:49:11.038	21	0.00004	0.00003	0.00151	2.025	0.000198	31.3
12:49:12.038	21	0.00004	0.00004	0.00204	2.72	0.000265	30.7
12:49:13.038	21	0.00005	0.00003	0.00472	4.166	0.000406	30.2
12:49:14.038	21	0.00006	0	0.00571	6.344	0.000617	30.9
12:49:15.038	21	0.00006	0	0.00529	7.562	0.000734	31.5
12:49:16.038	21	0.00007	0	0.00439	7.933	0.00077	32
12:49:17.038	21	0.00013	0	0.00372	7.761	0.000753	32.5

4.40E+00	1.800	3.100	1.608	2.749	0.000	1664	23.454	90.3	255.047365	407.036614	193.737013	4.488	0
4.00E+00	1.500	3.000	1.333	2.653	0.000	1770	25.198	74.5	230.127302	401.500197	183.013885	4.633149	0
4.10E+00	1.600	3.000	1.423	2.680	0.000	1766	25.989	34.9	231.854244	395.96378	171.400656	5	0
4.50E+00	2.000	3.000	1.807	2.732	0.000	1474	25.198	35.4	261.555603	390.427362	159.787427	6.125714	0
4.70E+00	2.100	3.000	1.949	2.784	0.000	1354	24.351	52.3	255.530933	383.227459	148.174198	6.489474	0
4.00E+00	1.500	2.700	1.424	2.527	0.000	1330	24.22	65.3	235.827907	375.273184	145.258177	4.152941	0
2.50E+00	0.300	2.400	0.323	2.223	0.000	1316	23.638	67.1	236.814219	367.318909	142.4746	1.592593	0
2.10E+00	-0.200	2.300	0.000	2.101	0.000	1312	23.6	48.8	242.358428	359.364634	139.691023	0.130841	0
1.90E+00	-0.700	2.100	0.000	1.906	0.000	1283	23.319	14.3	274.083547	346.042121	136.907446	0	0
1.80E+00	-1.100	2.000	0.000	1.822	0.000	1210	21.978	0.6	240.295758	327.109854	120.951821	0.330312	0
1.60E+00	-1.300	1.800	0.000	1.646	0.000	1100	20.312	0	240.6	308.177587	98.625147	1.395514	0
1.40E+00	-1.500	1.500	0.000	1.386	0.200	1013	19.298	0	241.206109	289.24532	76.298472	2	0
1.10E+00	-1.700	1.200	0.000	1.129	1.000	952	17.506	0	256.204286	273.645609	53.971798	2	0
9.00E-01	-1.800	0.900	0.000	0.875	1.000	899	13.807	13.1	241.9	268.77476	46.643098	2	0
6.00E-01	-1.900	0.600	0.000	0.586	0.300	800	10.142	39.5	242.120977	263.903911	60.111111	2	0
5.00E-01	-2.000	0.500	0.000	0.484	0.000	816	6.812	43.1	242.945498	259.033063	73.579125	2	0
5.00E-01	-2.000	0.500	0.000	0.485	0.000	747	3.529	44.5	248.968468	256.551355	87.047138	1.224793	0
5.00E-01	-2.000	0.500	0.000	0.485	0.000	755	1.583	46.8	244.5	265.570864	96.113537	0.789766	0
5.00E-01	-2.000	0.500	0.000	0.478	0.000	1200	1.646	64.4	244.857754	274.590372	101.693353	0	0
6.00E-01	-2.000	0.600	0.000	0.555	0.000	1252	4.083	58.6	247.204946	283.609881	107.273168	0	0
7.00E-01	-2.000	0.800	0.000	0.723	0.000	1324	5.88	74.3	267.041281	297.063369	112.852984	0	0
1.00E+00	-2.000	1.100	0.000	0.989	0.000	1532	8.247	76.2	250.142448	325.789451	124.900174	0	0
1.10E+00	-1.900	1.200	0.000	1.078	0.000	1657	11.352	73	252.308358	354.515534	145.313418	0	0
1.10E+00	-1.800	1.200	0.000	1.069	0.000	1949	15.522	90.6	255.203765	383.241616	165.726662	0	0
1.30E+00	-0.200	1.500	0.000	1.325	0.000	2118	20.404	79.8	322.123216	404.897516	186.139905	0	0
3.90E+00	1.800	2.500	1.630	2.256	0.000	1800	24.091	71.7	260.297797	405.678211	191.304794	3.069189	0
5.00E+00	2.400	3.200	2.143	2.846	0.000	1859	27.744	68.2	262.354651	406.458907	175.325781	4	0
5.60E+00	2.500	3.700	2.241	3.317	0.000	1749	30.417	62.5	263.721842	407.239603	159.346768	4	0
5.40E+00	2.300	3.700	2.080	3.325	0.000	1787	32.727	51.2	325.244417	407.418339	143.367756	4	0
4.50E+00	1.300	3.600	1.218	3.277	0.000	1816	32.91	39.1	264.624756	385.046759	128.500361	3.159064	0
2.80E+00	0.300	2.800	0.310	2.538	0.600	1809	32.91	37	265.473547	362.67518	117.44001	3.941667	0
1.90E+00	-0.500	2.000	0.000	1.886	4.200	1792	32.613	51.9	266.29895	340.303601	106.379659	3	0
1.70E+00	-1.100	1.800	0.000	1.698	8.900	1784	32.29	48.5	282.215146	317.932021	95.319308	2.566583	0
1.30E+00	-1.500	1.400	0.000	1.327	8.200	1758	32.29	35.8	270.909812	307.32797	85.095419	1.354877	0
1.20E+00	-1.500	1.300	0.000	1.220	4.200	1720	31.67	28	267.968462	298.639562	86.519582	1	0
1.20E+00	-1.600	1.300	0.000	1.227	1.900	1354	31.553	42.1	268.109	289.951154	87.943746	0.067678	0
1.00E+00	-1.700	1.100	0.000	1.040	1.000	1319	31.05	40.3	270.660266	281.262747	89.367909	0	0
1.00E+00	-1.800	1.100	0.000	1.036	1.000	1302	30.651	45.3	270.723913	277.704313	90.792072	0	0
1.00E+00	-1.800	1.100	0.000	1.030	1.000	1277	29.92	31.5	268.8	276.800387	89.378188	0	0
9.00E-01	-1.800	1.000	0.000	0.932	1.200	1255	29.81	47.9	269.441203	275.896462	87.47911	0	0
9.00E-01	-1.800	1.000	0.000	0.930	2.200	1236	29.19	54.6	270.96563	274.992536	85.580033	0	0
9.00E-01	-1.800	1.000	0.000	0.924	3.000	1242	29.19	89.1	270.199485	300.230672	96.201804	0	0
9.00E-01	-1.800	1.000	0.000	0.905	1.600	1249	29.269	91.9	270.8	332.544104	168.831587	0	0
9.00E-01	-1.800	1.000	0.000	0.888	0.000	1264	29.98	96.7	271.253395	364.857537	241.46137	0	0
9.00E-01	-1.800	1.000	0.000	0.878	0.000	1289	30.43	91.8	303.821969	397.17097	314.091153	0	0
1.00E+00	-1.000	1.200	0.000	1.041	0.000	1317	30.978	91	285.5575	413.80895	381.059127	0.617918	0
1.90E+00	0.400	1.900	0.308	1.626	0.000	1342	31.679	91.4	274.776718	425.685026	366.584151	1.788013	0

0.03839	0.00524	0.61244	940.505
0.03873	0.00524	0.61595	949.672
0.03896	0.00524	0.61688	954.955
0.03914	0.00524	0.61699	958.036
0.03931	0.00524	0.61713	960.062
0.03945	0.00524	0.61786	962.015
0.03955	0.00524	0.62037	964.322
0.03962	0.00524	0.62256	966.831
0.03968	0.00524	0.62417	969.368
0.03972	0.00524	0.62518	971.273
0.03975	0.00524	0.62579	972.722
0.03978	0.00524	0.62606	973.901
0.0398	0.00525	0.62616	974.829
0.03982	0.00526	0.62616	975.467
0.03983	0.00526	0.62616	975.886
0.03984	0.00526	0.62633	976.127
0.03985	0.00526	0.62676	976.269
0.03986	0.00526	0.62757	976.426
0.03987	0.00526	0.62992	977.13
0.03989	0.00526	0.63288	978.524
0.03992	0.00526	0.63701	981.152
0.03998	0.00526	0.64129	985.591
0.04005	0.00526	0.64488	991.56
0.04017	0.00526	0.65048	1002.06
0.04031	0.00526	0.65344	1012.018
0.04063	0.00526	0.6561	1019.58
0.041	0.00526	0.65881	1026.283
0.04134	0.00526	0.66115	1031.756
0.0416	0.00526	0.66258	1036.076
0.04177	0.00526	0.66289	1039.009
0.04188	0.00527	0.66289	1041.393
0.04195	0.00532	0.66304	1043.326
0.04202	0.00542	0.66371	1045.009
0.04207	0.00552	0.66495	1046.689
0.04211	0.00557	0.66637	1048.258
0.04215	0.00559	0.66735	1049.395
0.04218	0.0056	0.66816	1050.446
0.04221	0.00561	0.66925	1051.621
0.04224	0.00562	0.67054	1052.886
0.04227	0.00563	0.67183	1054.286
0.04231	0.00566	0.67334	1056.311
0.04235	0.0057	0.67538	1059.031
0.0424	0.00573	0.6801	1063.197
0.04246	0.00573	0.68581	1069.541
0.04252	0.00573	0.6911	1077.103
0.04259	0.00573	0.69549	1085.036
0.04272	0.00573	0.69921	1092.797

12:49:18.038	21	0.00021	0	0.00337	7.14	0.000693	32.9
12:49:19.038	21	0.00022	0	0.00274	6.093	0.000592	33.3
12:49:20.038	21	0.0002	0	0.00154	5.093	0.000495	34.3
12:49:21.038	21	0.00015	0	0.00102	3.561	0.000346	35.1
12:49:22.038	21	0.00011	0	0.00119	3.056	0.000297	34.3
12:49:23.038	21	0.00007	0	0.00107	2.697	0.000262	33.6
12:49:24.038	21	0.00004	0	0.00046	2.356	0.000229	32.5
12:49:25.038	21	0.00004	0.00001	0.00037	2.381	0.000232	31.5
12:49:26.038	21	0.00003	0.00003	0.00123	2.211	0.000215	31.4
12:49:27.038	21	0.00003	0.00004	0.00135	2.113	0.000206	31.3
12:49:28.038	21	0.00002	0.00003	0.0011	2.024	0.000197	31.5
12:49:29.038	21	0.00002	0.00002	0.00084	1.813	0.000177	31.6
12:49:30.038	21	0.00002	0.00002	0.0007	1.442	0.00014	29.9
12:49:31.038	21	0.00001	0.00002	0.00065	1.247	0.000121	28.5
12:49:32.038	21	0.00001	0.00002	0.00051	1.216	0.000119	26.7
12:49:33.038	21	0.00001	0.00002	0.00037	0.935	0.000091	25.2
12:49:34.038	21	0.00001	0.00001	0.00006	0.696	0.000068	22.3
12:49:35.038	21	0.00001	0	0	0.398	0.000039	19.9
12:49:36.038	21	0.00001	0	0.00015	0.271	0.000026	15.9
12:49:37.038	21	0.00001	0	0.00038	0.194	0.000019	12.5
12:49:38.038	21	0.00001	0	0.00034	0.133	0.000013	11.2
12:49:39.038	21	0	0	0.0005	0.154	0.000015	10.1
12:49:40.038	21	0	0	0.00087	0.248	0.000024	8.4
12:49:41.038	21	0.00001	0	0.00106	0.391	0.000038	6.9
12:49:42.038	21	0.00001	0	0.00078	0.482	0.000047	6
12:49:43.038	21	0.00001	0	0.00063	0.538	0.000053	5.2
12:49:44.038	21	0.00001	0	0.0006	0.56	0.000055	2.4
12:49:45.038	21	0.00001	0	0.00064	0.613	0.00006	0
12:49:46.038	21	0.00001	0	0.00067	0.723	0.000071	0
12:49:47.038	21	0.00001	0	0.00066	0.836	0.000082	0
12:49:48.038	21	0.00001	0	0.00066	0.881	0.000086	0.6
12:49:49.038	21	0.00001	0.00001	0.00073	0.906	0.000088	1.2
12:49:50.038	21	0.00001	0.00001	0.00058	0.919	0.00009	0.6
12:49:51.038	21	0.00001	0.00002	0.00055	0.94	0.000092	0
12:49:52.038	21	0.00001	0.00002	0.00057	0.957	0.000093	0
12:49:53.038	21	0.00001	0.00002	0.00055	0.922	0.00009	0
12:49:54.038	21	0.00001	0.00002	0.00056	0.904	0.000088	1
12:49:55.038	21	0.00001	0.00001	0.00063	0.901	0.000088	1.8
12:49:56.038	21	0.00001	0.00001	0.00063	0.881	0.000086	1.5
12:49:57.038	21	0.00001	0.00001	0.00057	0.873	0.000085	1.3
12:49:58.038	21	0.00001	0.00001	0.00055	0.904	0.000088	0.6
12:49:59.038	21	0.00001	0.00001	0.00055	0.903	0.000088	0
12:50:00.038	21	0.00001	0.00001	0.00055	0.897	0.000088	0
12:50:01.038	21	0.00001	0.00001	0.00056	0.913	0.000089	0
12:50:02.038	21	0.00001	0.00001	0.00075	1.232	0.00012	0
12:50:03.038	21	0.00002	0.00003	0.00238	3.223	0.000314	0
12:50:04.038	21	0.00003	0.00004	0.00448	5.186	0.000505	1.9

3.30E+00	1.500	2.300	1.271	2.006	0.000	1367	32.29	83.9	275.6	437.561102	352.109176	2.924571	0
3.90E+00	1.900	2.600	1.658	2.281	0.000	1378	32.29	76.6	307.642558	449.437177	337.6342	3.128388	0
4.10E+00	2.000	2.600	1.766	2.303	0.000	1372	32.29	73.9	299.727902	440.932203	323.159225	4	0
4.00E+00	1.900	2.600	1.701	2.318	0.000	1357	32.29	60.3	276.3	423.692494	271.161111	4	0
3.30E+00	1.300	2.400	1.129	2.157	0.000	1341	31.67	56.1	276.3	406.452785	218.745652	3.2283	0
2.50E+00	0.500	2.200	0.469	1.987	0.000	1324	31.498	47.4	287.849795	389.213075	166.330193	3	0
1.60E+00	-0.500	1.700	0.000	1.554	0.000	1307	30.67	51.4	300.188175	376.528818	113.914734	3	0
1.20E+00	-0.900	1.300	0.000	1.198	1.400	1293	30.43	57.3	276.798904	367.28113	100.885542	3	0
1.00E+00	-1.100	1.100	0.000	1.028	3.400	1277	30.406	53.8	277	358.033442	94.861446	2.233154	0
9.00E-01	-1.200	1.000	0.000	0.917	4.000	1257	29.658	50.9	283.159227	348.785754	88.837349	1.040603	0
8.00E-01	-1.300	0.900	0.000	0.824	4.000	1226	28.806	46.4	291.834034	337.175785	82.813253	1	0
8.00E-01	-1.400	0.900	0.000	0.822	3.000	1172	28.138	27.8	277.391585	323.776461	75.872491	1	0
7.00E-01	-1.500	0.800	0.000	0.739	3.000	1116	26.784	0.7	277.6	310.377137	68.788666	1	0
7.00E-01	-1.700	0.800	0.000	0.736	3.000	1057	25.28	0	277.562308	296.977813	61.704841	1.892601	0
7.00E-01	-1.800	0.700	0.000	0.658	3.000	1161	23.492	0	281.269718	284.549917	54.621015	2	0
6.00E-01	-1.900	0.600	0.000	0.573	2.600	1088	20.425	0	277.282811	273.4256	47.822875	2	0
6.00E-01	-1.900	0.600	0.000	0.570	1.800	1032	16.616	0	277.6	262.301284	41.192517	2	0
5.00E-01	-2.100	0.500	0.000	0.481	0.300	887	13.315	0.4	277.6	251.176967	34.56216	2	0
5.00E-01	-2.100	0.500	0.000	0.485	0.000	791	11.021	28.7	261.381097	242.602088	27.931802	2	0
4.00E-01	-2.100	0.400	0.000	0.397	0.000	948	9.626	38	277.744444	243.066125	31.012273	0.963221	0
3.00E-01	-2.100	0.300	0.000	0.302	0.000	854	8.333	23.8	278.3	243.530162	48.241444	0	0
3.00E-01	-2.100	0.300	0.000	0.292	0.000	789	6.834	31	278.3	243.9942	65.470616	0	0
3.00E-01	-2.100	0.300	0.000	0.290	0.000	744	5.746	36.7	266.598354	244.458237	82.699788	0	0
4.00E-01	-2.100	0.400	0.000	0.383	0.000	748	4.951	40.4	277.676463	246.433267	97.293827	0	0
4.00E-01	-2.100	0.400	0.000	0.380	0.000	750	3.647	42.8	278.3	248.557736	99.022222	0	0
4.00E-01	-2.100	0.400	0.000	0.379	0.000	751	2.591	42.2	278.545427	250.682204	100.750617	0	0
4.00E-01	-2.100	0.400	0.000	0.378	0.000	753	1.383	43.3	269.718905	252.806673	102.479012	0	0
4.00E-01	-2.100	0.400	0.000	0.376	0.000	748	0.643	45.4	277.93087	253.284884	103.555556	0	0
4.00E-01	-2.100	0.400	0.000	0.374	0.000	750	0.576	43.1	279.714019	253.598288	99.851852	0	0
4.00E-01	-2.100	0.400	0.000	0.372	0.000	762	0.154	38.6	280.183412	253.911692	96.148148	0	0
4.00E-01	-2.100	0.400	0.000	0.371	0.700	750	0.298	39.9	273.88598	254.225096	92.444444	0	0
4.00E-01	-2.100	0.400	0.000	0.370	1.700	750	0	40.4	277.925	253.902715	88.911392	0	0
4.00E-01	-2.100	0.400	0.000	0.370	2.500	751	0	40.3	280.963198	253.380658	87.64557	0	0
4.00E-01	-2.100	0.400	0.000	0.370	3.700	751	0	39.8	281	252.858601	86.379747	0	0
4.00E-01	-2.100	0.400	0.000	0.371	4.000	750	0	40	270.662393	252.336544	85.113924	0	0
4.00E-01	-2.100	0.400	0.000	0.371	4.000	749	0	40.5	280.46375	251.836275	83.939985	0	0
4.00E-01	-2.100	0.400	0.000	0.371	3.300	749	0	41.2	281.73609	251.337646	83.43986	0	0
4.00E-01	-2.100	0.400	0.000	0.370	3.000	750	0	41.2	282.5	250.839018	82.939735	0	0
4.00E-01	-2.100	0.400	0.000	0.371	2.800	750	0	41	271.236829	250.340389	82.43961	0	0
4.00E-01	-2.200	0.400	0.000	0.371	2.000	750	0	40.9	281.556471	249.706246	81.942243	0	0
5.00E-01	-2.200	0.500	0.000	0.464	2.000	747	0	42.2	283.119574	249.060158	81.464916	0	0
4.00E-01	-2.200	0.400	0.000	0.380	2.000	749	0	40.6	283.580233	248.41407	80.987589	0	0
5.00E-01	-2.200	0.500	0.000	0.455	2.000	749	0	39.9	274.292593	247.767983	80.510263	0	0
5.00E-01	-2.200	0.500	0.000	0.464	2.000	750	0	40.3	278.831548	258.92575	80.032936	0	0
5.00E-01	-2.200	0.500	0.000	0.464	2.000	842	0	67.3	284.5	274.230817	85.21221	0	0
5.00E-01	-2.200	0.500	0.000	0.462	2.000	1424	2.278	77.3	284.794194	289.535884	90.810717	0	0
5.00E-01	-2.200	0.500	0.000	0.456	1.800	1722	6.542	78.4	291.714773	304.840951	96.409224	0	0

0.04293	0.00573	0.70258	1099.937
0.04315	0.00573	0.70532	1106.03
0.04335	0.00573	0.70686	1111.123
0.0435	0.00573	0.70788	1114.684
0.04361	0.00573	0.70907	1117.74
0.04368	0.00573	0.71014	1120.437
0.04372	0.00573	0.7106	1122.793
0.04376	0.00574	0.71097	1125.174
0.04379	0.00577	0.7122	1127.385
0.04382	0.00581	0.71355	1129.498
0.04384	0.00584	0.71465	1131.522
0.04386	0.00586	0.71549	1133.335
0.04388	0.00588	0.71619	1134.777
0.04389	0.0059	0.71684	1136.024
0.0439	0.00592	0.71735	1137.24
0.04391	0.00594	0.71772	1138.175
0.04392	0.00595	0.71778	1138.871
0.04393	0.00595	0.71778	1139.269
0.04394	0.00595	0.71793	1139.54
0.04395	0.00595	0.71831	1139.734
0.04396	0.00595	0.71865	1139.867
0.04396	0.00595	0.71915	1140.021
0.04396	0.00595	0.72002	1140.269
0.04397	0.00595	0.72108	1140.66
0.04398	0.00595	0.72186	1141.142
0.04399	0.00595	0.72249	1141.68
0.044	0.00595	0.72309	1142.24
0.04401	0.00595	0.72373	1142.853
0.04402	0.00595	0.7244	1143.576
0.04403	0.00595	0.72506	1144.412
0.04404	0.00595	0.72572	1145.293
0.04405	0.00596	0.72645	1146.199
0.04406	0.00597	0.72703	1147.118
0.04407	0.00599	0.72758	1148.058
0.04408	0.00601	0.72815	1149.015
0.04409	0.00603	0.7287	1149.937
0.0441	0.00605	0.72926	1150.841
0.04411	0.00606	0.72989	1151.742
0.04412	0.00607	0.73052	1152.623
0.04413	0.00608	0.73109	1153.496
0.04414	0.00609	0.73164	1154.4
0.04415	0.0061	0.73219	1155.303
0.04416	0.00611	0.73274	1156.2
0.04417	0.00612	0.7333	1157.113
0.04418	0.00613	0.73405	1158.345
0.0442	0.00616	0.73643	1161.568
0.04423	0.0062	0.74091	1166.754

12:50:05.038	21	0.00004	0.00002	0.00561	7.859	0.000765	3.6
12:50:06.038	21	0.00006	0	0.00359	8.489	0.000826	7.9
12:50:07.038	21	0.00005	0	0.00237	5.301	0.000516	11.5
12:50:08.038	21	0.00005	0	0.00063	4.283	0.000417	14.5
12:50:09.038	21	0.00005	0	0.00099	3.823	0.000372	17.1
12:50:10.038	21	0.00005	0	0.00204	4.014	0.000391	18.6
12:50:11.038	21	0.00005	0	0.00246	4.646	0.000452	19.9
12:50:12.038	21	0.00006	0	0.00179	5.431	0.000528	21
12:50:13.038	21	0.00005	0	0.00121	5.261	0.000511	22
12:50:14.038	21	0.00005	0	0.00116	4.927	0.000479	23.9
12:50:15.038	21	0.00005	0	0.00144	4.483	0.000436	25.5
12:50:16.038	21	0.00004	0	0.00146	4.253	0.000414	27
12:50:17.038	21	0.00005	0.00003	0.00153	4.547	0.000442	28.3
12:50:18.038	21	0.00005	0.00012	0.00201	4.737	0.000461	28.5
12:50:19.038	21	0.00005	0.00012	0.0029	5.115	0.000498	28.7
12:50:20.038	21	0.00004	0.00004	0.00221	4.964	0.000483	29.8
12:50:21.038	21	0.00004	0	0.00172	5.096	0.000496	30.7
12:50:22.038	21	0.00004	0	0.00135	4.544	0.000442	31
12:50:23.038	21	0.00003	0	0.00114	3.846	0.000374	31.3
12:50:24.038	21	0.00003	0.00001	0.00106	3.543	0.000345	32.8
12:50:25.038	21	0.00003	0.00005	0.00067	3.085	0.0003	34.1
12:50:26.038	21	0.00003	0.0001	0.00031	2.771	0.00027	33.2
12:50:27.038	21	0.00003	0.0001	0.00114	2.614	0.000255	32.5
12:50:28.038	21	0.00003	0.00007	0.00149	2.706	0.000264	31.8
12:50:29.038	21	0.00002	0.00005	0.00123	2.744	0.000267	31.3
12:50:30.038	21	0.00002	0.00003	0.00086	2.403	0.000234	31.4
12:50:31.038	21	0.00002	0.00003	0.00021	1.741	0.00017	31.4
12:50:32.038	21	0.00002	0.00002	0.00003	1.132	0.00011	30
12:50:33.038	21	0.00001	0.00001	0.00009	0.696	0.000068	28.8
12:50:34.038	21	0.00001	0.00001	0.00013	0.42	0.000041	27.4
12:50:35.038	21	0.00001	0	0.00015	0.237	0.000023	26.2
12:50:36.038	21	0.00001	0	0.00031	0.165	0.000016	24.3
12:50:37.038	21	0.00003	0	0.00142	0.492	0.000048	22.6
12:50:38.038	21	0.00007	0	0.01678	4.116	0.000404	20.6
12:50:39.038	21	0.00016	0	0.01499	9.154	0.000893	19
12:50:40.038	21	0.00056	0	0.00876	10.042	0.000977	21.1
12:50:41.038	21	0.00104	0	0.00594	10.029	0.000975	22.9
12:50:42.038	21	0.00075	0	0.00175	5.719	0.000556	25.7
12:50:43.038	21	0.00052	0	0	3.276	0.000319	28
12:50:44.038	21	0.00024	0	0	1.731	0.000169	28.9
12:50:45.038	21	0.00009	0	0	1.013	0.000099	29.7
12:50:46.038	21	0.00004	0	0.00081	0.846	0.000083	28.5
12:50:47.038	21	0.00004	0	0.00198	1.24	0.000121	27.5
12:50:48.038	21	0.00005	0.00001	0.00213	1.818	0.000178	27.8
12:50:49.038	21	0.00005	0.00004	0.00152	2.126	0.000207	28
12:50:50.038	21	0.00005	0.00008	0.00124	2.453	0.000239	28
12:50:51.038	21	0.00005	0.00007	0.0014	2.581	0.000252	28

4.00E-01	-2.200	0.500	0.000	0.448	0.800	1829	10.068	70.3	286.632254	319.60038	102.236967	0	0
6.00E-01	-2.100	0.700	0.000	0.621	0.000	1923	13.786	76.1	286.5	334.279715	109.109005	0	0
8.00E-01	-1.700	0.900	0.000	0.803	0.000	1837	16.437	58.6	285.688208	348.95905	115.981043	0.001167	0
9.00E-01	-1.000	1.000	0.000	0.899	0.000	1618	17.945	72.9	301.425949	363.638385	122.853081	1	0
1.00E+00	-0.800	1.100	0.000	0.999	0.000	1387	19.097	77.3	297.028088	372.30041	129.725118	1	0
1.00E+00	-0.800	1.100	0.000	0.995	0.000	1451	20.497	77.4	283.8	377.890154	138.617594	0.244747	0
1.00E+00	-0.900	1.100	0.000	0.986	0.000	1538	21.883	76.9	282.988608	383.479897	147.594255	0	0
1.00E+00	-1.000	1.100	0.000	0.982	0.000	1613	23.08	76.6	310.926721	389.069641	156.570916	0	0
1.00E+00	-1.100	1.100	0.000	0.981	0.000	1697	24.149	71.4	291.523219	389.636282	163.75767	0	0
1.00E+00	-1.100	1.100	0.000	0.983	0.000	1762	25.464	72.8	281.02949	388.634027	143.391596	0.77033	0
1.00E+00	-1.100	1.100	0.000	0.986	0.000	1815	26.182	66.8	280.917073	387.631771	123.025522	1	0
9.00E-01	-1.200	1.000	0.000	0.907	0.200	1859	26.7	65.9	301.293514	386.629516	102.659448	1	0
9.00E-01	-1.300	1.000	0.000	0.899	1.900	1855	26.721	62.4	280.963125	387.010693	86.470948	1	0
9.00E-01	-1.400	1.000	0.000	0.902	6.800	1539	27.341	74.1	280.3	387.802772	89.058574	1	0
8.00E-01	-1.500	0.900	0.000	0.816	6.600	1585	28.706	78	280.3	388.594851	91.646201	0.047059	0
8.00E-01	-1.600	0.900	0.000	0.806	2.500	1625	29.519	71.9	306.530769	389.386931	94.233827	0	0
8.00E-01	-1.600	0.900	0.000	0.805	0.000	1662	30.272	74.6	297.614654	385.263104	96.821454	0	0
8.00E-01	-1.700	0.900	0.000	0.805	0.000	1687	30.907	66	281	379.330277	89.699828	0	0
8.00E-01	-1.700	0.900	0.000	0.805	0.000	1699	31.05	52.3	281.058471	373.39745	81.858613	0	0
8.00E-01	-1.700	0.900	0.000	0.812	0.700	1687	30.819	48.1	294.726549	367.464624	74.017398	1	0
8.00E-01	-1.800	0.900	0.000	0.819	3.900	1671	30.43	44.6	299.101807	360.944667	66.176182	1	0
7.00E-01	-1.800	0.700	0.000	0.651	8.400	1664	29.998	52.1	282.891018	354.111333	63.985438	1	0
6.00E-01	-1.900	0.700	0.000	0.648	8.600	1659	29.81	49.4	283.1	347.278	62.791836	1	0
6.00E-01	-1.900	0.700	0.000	0.646	6.000	1647	29.81	44.2	286.611378	340.444667	61.598233	0.073935	0
5.00E-01	-1.900	0.600	0.000	0.550	4.300	1614	29.548	23.1	301.114654	328.646594	60.404631	0	0
6.00E-01	-1.900	0.600	0.000	0.551	3.300	1563	28.564	14	284.817361	310.829323	57.446136	0.291	0
6.00E-01	-2.000	0.600	0.000	0.557	3.000	1496	27.222	4.3	285.2	293.012053	53.5825	1	0
6.00E-01	-2.100	0.600	0.000	0.565	2.800	1417	25.759	0	285.62147	275.194782	49.718864	1.513357	0
6.00E-01	-2.100	0.600	0.000	0.572	1.700	1337	24.272	0	273.172114	258.044688	45.855227	2	0
6.00E-01	-2.200	0.600	0.000	0.578	0.800	1247	22.82	0	285.752772	250.817514	45.548828	2	0
6.00E-01	-2.300	0.600	0.000	0.582	0.000	1134	21.101	0	285.319435	243.59034	55.314453	1	0
6.00E-01	-2.300	0.600	0.000	0.584	0.000	1053	18.344	4.9	285.543316	236.363166	65.080078	1	0
6.00E-01	-2.300	0.600	0.000	0.584	0.000	1214	16.436	45.2	265.204686	229.135991	74.845703	0.516285	0
7.00E-01	-2.300	0.700	0.000	0.653	0.000	1822	16.813	90.9	285.267695	276.514318	92.949545	0	0
1.40E+00	-1.800	1.500	0.000	1.385	0.000	1920	20.012	84.4	287.955635	329.161596	153.249815	0.016471	0
5.20E+00	1.300	4.500	1.190	3.998	0.000	1694	23.534	81.6	288.6	381.808874	213.550086	7.6	0
1.04E+01	5.200	6.600	4.612	5.814	0.000	1873	26.684	63.8	340.666833	434.456152	273.850357	10.98	0
1.20E+01	6.700	6.700	5.994	6.006	0.000	1976	28.499	35.4	297.266427	418.313978	323.387413	13.392941	0
1.12E+01	6.000	6.300	5.450	5.790	0.000	1507	27.981	5.2	289.9384	393.582796	278.165967	14	0
6.80E+00	3.000	4.200	2.823	3.955	0.000	1521	27.32	24.4	289.3	368.851613	232.944522	13.105769	0
2.80E+00	1.000	2.000	0.928	1.891	0.000	1514	27.32	42.2	296.72936	344.12043	187.723077	11.6175	0
1.40E+00	-0.200	1.500	0.000	1.439	0.000	1501	27.32	45.8	299.433808	331.180625	142.501632	8.289412	0
1.30E+00	-0.800	1.400	0.000	1.321	0.000	1484	26.869	40.1	289.3	325.747933	125.782169	5.493333	0
1.30E+00	-1.000	1.400	0.000	1.309	1.400	1470	26.7	49.6	288.637234	320.31524	115.661687	3.264	0
1.30E+00	-1.200	1.400	0.000	1.302	4.000	1470	26.7	58.2	290.228964	314.882548	105.541205	3	0
1.30E+00	-1.300	1.400	0.000	1.297	7.000	1462	26.7	57.5	295.936726	313.948474	95.420723	2.826923	0
1.30E+00	-1.400	1.400	0.000	1.291	5.700	1456	26.345	53	288.6	318.490544	91.344392	2	0

0.04427	0.00622	0.74652	1174.613
0.04433	0.00622	0.75011	1183.102
0.04438	0.00622	0.75248	1188.403
0.04443	0.00622	0.75311	1192.686
0.04448	0.00622	0.7541	1196.509
0.04453	0.00622	0.75614	1200.523
0.04458	0.00622	0.7586	1205.169
0.04464	0.00622	0.76039	1210.6
0.04469	0.00622	0.7616	1215.861
0.04474	0.00622	0.76276	1220.788
0.04479	0.00622	0.7642	1225.271
0.04483	0.00622	0.76566	1229.524
0.04488	0.00625	0.76719	1234.071
0.04493	0.00637	0.7692	1238.808
0.04498	0.00649	0.7721	1243.923
0.04502	0.00653	0.77431	1248.887
0.04506	0.00653	0.77603	1253.983
0.0451	0.00653	0.77738	1258.527
0.04513	0.00653	0.77852	1262.373
0.04516	0.00654	0.77958	1265.916
0.04519	0.00659	0.78025	1269.001
0.04522	0.00669	0.78056	1271.772
0.04525	0.00679	0.7817	1274.386
0.04528	0.00686	0.78319	1277.092
0.0453	0.00691	0.78442	1279.836
0.04532	0.00694	0.78528	1282.239
0.04534	0.00697	0.78549	1283.98
0.04536	0.00699	0.78552	1285.112
0.04537	0.007	0.78561	1285.808
0.04538	0.00701	0.78574	1286.228
0.04539	0.00701	0.78589	1286.465
0.0454	0.00701	0.7862	1286.63
0.04543	0.00701	0.78762	1287.122
0.0455	0.00701	0.8044	1291.238
0.04566	0.00701	0.81939	1300.392
0.04622	0.00701	0.82815	1310.434
0.04726	0.00701	0.83409	1320.463
0.04801	0.00701	0.83584	1326.182
0.04853	0.00701	0.83584	1329.458
0.04877	0.00701	0.83584	1331.189
0.04886	0.00701	0.83584	1332.202
0.0489	0.00701	0.83665	1333.048
0.04894	0.00701	0.83863	1334.288
0.04899	0.00702	0.84076	1336.106
0.04904	0.00706	0.84228	1338.232
0.04909	0.00714	0.84352	1340.685
0.04914	0.00721	0.84492	1343.266

12:50:52.038	21	0.00005	0.00005	0.00142	2.858	0.000279	27.5
12:50:53.038	21	0.00006	0.00004	0.00136	3.079	0.0003	27
12:50:54.038	21	0.00005	0.00002	0.00162	3.221	0.000314	26.9
12:50:55.038	21	0.00006	0.00001	0.00149	3.571	0.000348	26.9
12:50:56.038	21	0.00005	0.00001	0.00121	3.534	0.000344	27.1
12:50:57.038	21	0.00005	0.00002	0.00107	3.714	0.000361	27.3
12:50:58.038	21	0.00005	0.00002	0.00126	3.752	0.000365	26.5
12:50:59.038	21	0.00006	0.00003	0.00168	4.11	0.0004	25.9
12:51:00.038	21	0.00006	0.00002	0.00166	4.638	0.000451	27.6
12:51:01.038	21	0.00006	0	0.00111	4.473	0.000435	29.1
12:51:02.038	21	0.00006	0	0.00085	4.373	0.000425	29.5
12:51:03.038	21	0.00006	0.00001	0.00121	4.547	0.000442	29.8
12:51:04.038	21	0.00007	0.00002	0.00161	5.228	0.000508	30.2
12:51:05.038	21	0.00008	0.00002	0.0024	7.058	0.000686	30.6
12:51:06.038	21	0.00007	0	0.00266	6.593	0.000641	30.7
12:51:07.038	21	0.00006	0	0.00103	5.56	0.00054	30.7
12:51:08.038	21	0.00006	0	0.00115	4.975	0.000484	31.4
12:51:09.038	21	0.00006	0	0.00163	5.12	0.000498	32
12:51:10.038	21	0.00006	0	0.00148	5.516	0.000536	31.8
12:51:11.038	21	0.00006	0	0.00127	5.685	0.000552	31.6
12:51:12.038	21	0.00006	0	0.00199	5.817	0.000565	31.2
12:51:13.038	21	0.00006	0	0.00209	6.133	0.000596	30.8
12:51:14.038	21	0.00007	0	0.00194	6.554	0.000637	32.5
12:51:15.038	21	0.00007	0	0.00208	7.356	0.000715	33.9
12:51:16.038	21	0.00008	0	0.00255	8.273	0.000804	34.2
12:51:17.038	21	0.00008	0	0.00267	8.379	0.000814	34.5
12:51:18.038	21	0.00007	0	0.0018	6.592	0.000641	35.4
12:51:19.038	21	0.00005	0	0.0006	4.41	0.000429	36.1
12:51:20.038	21	0.00004	0	0.00098	3.293	0.00032	36.3
12:51:21.038	21	0.00003	0	0.00112	2.863	0.000279	36.5
12:51:22.038	21	0.00003	0	0.00115	2.69	0.000262	34.9
12:51:23.038	21	0.00003	0.00001	0.00129	2.603	0.000254	33.6
12:51:24.038	21	0.00003	0.00002	0.00138	2.216	0.000216	32.9
12:51:25.038	21	0.00003	0.00002	0.00141	2.061	0.000201	32.3
12:51:26.038	21	0.00003	0.00002	0.00092	1.997	0.000195	32.4
12:51:27.038	21	0.00002	0.00002	0.00049	1.767	0.000172	32.5
12:51:28.038	21	0.00002	0.00002	0.00065	1.543	0.00015	32.1
12:51:29.038	21	0.00002	0.00002	0.00116	1.552	0.000151	31.8
12:51:30.038	21	0.00003	0.00002	0.00139	1.686	0.000165	31.5
12:51:31.038	21	0.00003	0.00002	0.00121	1.963	0.000192	31.2
12:51:32.038	21	0.00003	0.00002	0.00238	2.493	0.000243	31.5
12:51:33.038	21	0.00004	0.00002	0.00315	3.38	0.000329	31.8
12:51:34.038	21	0.00004	0.00001	0.00252	4.005	0.00039	31.9
12:51:35.038	21	0.00004	0	0.00168	4.447	0.000432	32
12:51:36.038	21	0.00004	0	0.00186	4.668	0.000454	32.4
12:51:37.038	21	0.00004	0	0.00166	4.827	0.000469	32.8
12:51:38.038	21	0.00004	0	0.00138	4.702	0.000457	33.7

1.30E+00	-1.400	1.400	0.000	1.286	4.000
1.30E+00	-1.500	1.400	0.000	1.284	3.000
1.30E+00	-1.500	1.400	0.000	1.277	1.800
1.30E+00	-1.600	1.400	0.000	1.271	1.000
1.20E+00	-1.700	1.300	0.000	1.186	1.200
1.20E+00	-1.700	1.300	0.000	1.176	1.800
1.20E+00	-1.700	1.300	0.000	1.180	1.400
1.20E+00	-1.800	1.300	0.000	1.179	2.000
1.20E+00	-1.800	1.300	0.000	1.171	1.300
1.20E+00	-1.800	1.300	0.000	1.168	0.000
1.20E+00	-1.800	1.300	0.000	1.169	0.000
1.20E+00	-1.900	1.300	0.000	1.168	0.700
1.20E+00	-1.900	1.300	0.000	1.167	1.000
1.10E+00	-1.900	1.200	0.000	1.080	1.000
1.10E+00	-1.900	1.200	0.000	1.067	0.000
1.10E+00	-1.900	1.200	0.000	1.072	0.000
1.10E+00	-1.900	1.200	0.000	1.077	0.000
1.10E+00	-1.900	1.200	0.000	1.076	0.000
1.10E+00	-1.900	1.200	0.000	1.072	0.000
1.00E+00	-1.900	1.100	0.000	0.981	0.000
1.00E+00	-1.900	1.100	0.000	0.981	0.000
1.00E+00	-1.900	1.100	0.000	0.981	0.000
1.00E+00	-1.900	1.100	0.000	0.983	0.000
1.00E+00	-1.900	1.100	0.000	0.983	0.000
1.00E+00	-1.900	1.100	0.000	0.982	0.000
1.00E+00	-1.900	1.100	0.000	0.982	0.000
1.00E+00	-1.900	1.100	0.000	0.986	0.000
9.00E-01	-1.900	1.000	0.000	0.912	0.000
9.00E-01	-2.000	1.000	0.000	0.906	0.000
9.00E-01	-2.000	1.000	0.000	0.907	0.000
9.00E-01	-2.000	1.000	0.000	0.908	0.000
9.00E-01	-2.000	1.000	0.000	0.912	1.000
9.00E-01	-2.000	1.000	0.000	0.915	2.000
9.00E-01	-2.100	1.000	0.000	0.915	2.000
9.00E-01	-2.100	1.000	0.000	0.918	2.000
8.00E-01	-2.100	0.900	0.000	0.839	2.000
8.00E-01	-2.200	0.900	0.000	0.837	2.000
8.00E-01	-2.200	0.900	0.000	0.838	2.000
8.00E-01	-2.200	0.900	0.000	0.840	2.000
8.00E-01	-2.200	0.900	0.000	0.838	2.000
8.00E-01	-2.200	0.900	0.000	0.831	2.000
8.00E-01	-2.200	0.900	0.000	0.820	1.300
9.00E-01	-2.200	1.000	0.000	0.893	0.600
9.00E-01	-2.200	1.000	0.000	0.896	0.000
9.00E-01	-2.200	1.000	0.000	0.893	0.000
9.00E-01	-2.200	1.000	0.000	0.892	0.000
9.00E-01	-2.200	1.000	0.000	0.891	0.000

1451	26.08	58.2	288.6	323.032614	90.354048	2	0
1457	26.178	69.6	290.490909	327.574684	89.363704	2	0
1468	26.7	66.7	302.922491	331.390778	88.37336	2	0
1482	26.7	68.1	288.6	334.212526	86.391315	2	0
1490	27.029	54.2	288.935399	337.034274	83.809155	2	0
1496	27.32	57	289.3	339.856022	81.226995	2	0
1504	27.32	66.4	312.931546	342.887807	78.644836	2	0
1533	27.584	73.5	289.186301	349.043467	77.083621	2	0
1565	28.57	75.4	288.6	355.199127	77.313983	2	0
1589	28.819	70	288.6	361.354788	77.544345	2	0
1602	29.19	69.1	312.26731	367.510448	77.774706	2	0
1615	29.19	72.5	297.052012	378.348519	78.152047	2	0
1631	29.81	78.9	289.3	390.193622	85.063264	2	0
1661	29.968	85.1	289.44	402.038724	91.974482	2	0
1694	30.813	77.4	323.874363	413.883827	98.885699	2.270903	0
1701	31.05	71.3	290	415.590949	103.256612	3.839286	0
1698	31.05	73.8	290	415.809927	100.397427	4	0
1698	31.05	78.3	290	416.028905	97.538242	4	0
1705	31.05	78.6	320.083958	416.247883	94.679056	4	0
1711	31.05	78	301.109722	418.88274	91.881746	4	0
1722	31.054	77.2	290	422.272163	90.004693	4.779379	0
1745	31.789	79.5	290.697356	425.661587	88.12764	5	0
1778	32.29	80.6	313.648226	429.05101	86.250587	5	0
1815	32.66	82	324.146085	432.475862	84.373534	5.706024	0
1867	33.833	84.4	293.3	435.924138	84.783374	7	0
1913	34.792	75.2	294.646011	439.372414	85.761369	7.750667	0
1920	35.4	68.3	311.327632	442.82069	86.739364	10	0
1669	35.096	62.1	338.940083	437.183704	87.717359	10.237927	0
1463	34.436	54.4	297.858922	422.921919	87.316017	11.346078	0
1430	33.755	51.4	298.2	408.660134	86.354016	12	0
1400	32.91	55	298.791781	394.398349	85.392015	12	0
1382	32.735	55.7	332.154211	381.280532	84.430014	12	0
1362	32.026	45.7	299.5	370.443802	83.339623	12	0
1341	31.67	37.7	299.888583	359.607073	82.14545	12	0
1326	31.148	43.3	299.64851	348.770343	80.951278	11.415403	0
1312	31.001	41.2	319.437544	338.995135	79.757105	11	0
1298	30.43	40.3	300.9	334.670811	79.27091	10.987885	0
1285	30.2	45.2	300.9	330.346486	80.011103	10	0
1281	30.242	53	301.339195	326.022162	80.751295	9.610448	0
1287	30.43	62.2	311.771103	323.221799	81.491488	8.25	0
1305	30.541	71.7	303.2	335.284149	83.947822	7.046318	0
1322	31.234	78	303.371429	347.346499	90.170895	6	0
1347	31.67	79.5	304.542027	359.408849	96.393968	6.261787	0
1371	32.153	79.4	329.824293	371.471199	102.617042	7	0
1396	32.901	78.1	308.420107	377.617559	108.033474	7	0
1423	33.639	78.2	306.882787	383.270385	108.281428	7	0
1444	34.16	72.7	307.756909	388.923212	108.529383	8	0

0.04919	0.00726	0.84634	1346.124
0.04925	0.0073	0.8477	1349.203
0.0493	0.00732	0.84932	1352.424
0.04936	0.00733	0.85081	1355.995
0.04941	0.00734	0.85202	1359.529
0.04946	0.00736	0.85309	1363.243
0.04951	0.00738	0.85435	1366.995
0.04957	0.00741	0.85603	1371.105
0.04963	0.00743	0.85769	1375.743
0.04969	0.00743	0.8588	1380.216
0.04975	0.00743	0.85965	1384.589
0.04981	0.00744	0.86086	1389.136
0.04988	0.00746	0.86247	1394.364
0.04996	0.00748	0.86487	1401.422
0.05003	0.00748	0.86753	1408.015
0.05009	0.00748	0.86856	1413.575
0.05015	0.00748	0.86971	1418.55
0.05021	0.00748	0.87134	1423.67
0.05027	0.00748	0.87282	1429.186
0.05033	0.00748	0.87409	1434.871
0.05039	0.00748	0.87608	1440.688
0.05045	0.00748	0.87817	1446.821
0.05052	0.00748	0.88011	1453.375
0.05059	0.00748	0.88219	1460.731
0.05067	0.00748	0.88474	1469.004
0.05075	0.00748	0.88741	1477.383
0.05082	0.00748	0.88921	1483.975
0.05087	0.00748	0.88981	1488.385
0.05091	0.00748	0.89079	1491.678
0.05094	0.00748	0.89191	1494.541
0.05097	0.00748	0.89306	1497.231
0.051	0.00749	0.89435	1499.834
0.05103	0.00751	0.89573	1502.05
0.05106	0.00753	0.89714	1504.111
0.05109	0.00755	0.89806	1506.108
0.05111	0.00757	0.89855	1507.875
0.05113	0.00759	0.8992	1509.418
0.05115	0.00761	0.90036	1510.97
0.05118	0.00763	0.90175	1512.656
0.05121	0.00765	0.90296	1514.619
0.05124	0.00767	0.90534	1517.112
0.05128	0.00769	0.90849	1520.492
0.05132	0.0077	0.91101	1524.497
0.05136	0.0077	0.91269	1528.944
0.0514	0.0077	0.91455	1533.612
0.05144	0.0077	0.91621	1538.439
0.05148	0.0077	0.91759	1543.141

12:51:39.038	21	0.00004	0	0.00112	3.94	0.000383	34.5
12:51:40.038	21	0.00004	0	0.00118	3.631	0.000353	34.6
12:51:41.038	21	0.00004	0	0.00114	3.292	0.00032	34.6
12:51:42.038	21	0.00004	0	0.00073	3.1	0.000302	35
12:51:43.038	21	0.00004	0.00001	0.00127	3.104	0.000302	35.4
12:51:44.038	21	0.00004	0.00001	0.001	3.21	0.000312	35.1
12:51:45.038	21	0.00004	0.00001	0.00138	3.344	0.000326	34.9
12:51:46.038	21	0.00004	0.00001	0.00184	3.946	0.000384	33.9
12:51:47.038	21	0.00004	0.00001	0.00176	4.486	0.000436	33.1
12:51:48.038	21	0.00004	0	0.00147	4.649	0.000452	33.6
12:51:49.038	21	0.00004	0	0.00205	4.493	0.000437	34.1
12:51:50.038	21	0.00004	0	0.00179	4.272	0.000415	35.1
12:51:51.038	21	0.00004	0	0.00164	4.023	0.000391	35.9
12:51:52.038	21	0.00004	0	0.00155	3.791	0.000369	36.2
12:51:53.038	21	0.00004	0	0.00164	3.913	0.000381	36.5
12:51:54.038	21	0.00004	0	0.00156	3.657	0.000356	34.9
12:51:55.038	21	0.00003	0.00001	0.00145	3.381	0.000329	33.5
12:51:56.038	21	0.00003	0	0.00123	3.087	0.0003	33.2
12:51:57.038	21	0.00003	0	0.00076	2.695	0.000262	32.9
12:51:58.038	21	0.00003	0.00001	0.00083	2.279	0.000222	32.5
12:51:59.038	21	0.00002	0.00001	0.00101	2.025	0.000197	32.2
12:52:00.038	21	0.00002	0.00001	0.00063	1.6	0.000156	32.6
12:52:01.038	21	0.00002	0.00001	0.00025	1.244	0.000121	33
12:52:02.038	21	0.00002	0.00001	0.00015	1.03	0.0001	32
12:52:03.038	21	0.00002	0	0	1	0.000098	31.1
12:52:04.038	21	0.00002	0	0	0.549	0.000054	30.6
12:52:05.038	21	0.00002	0	0.00053	0.361	0.000035	30.2
12:52:06.038	21	0.00002	0	0.001	0.36	0.000035	29.8
12:52:07.038	21	0.00002	0	0.00099	0.394	0.000039	29.5
12:52:08.038	21	0.00001	0	0.00079	0.39	0.000038	29.8
12:52:09.038	21	0.00001	0	0.0006	0.371	0.000036	30
12:52:10.038	21	0.00001	0	0.00063	0.352	0.000034	29.7
12:52:11.038	21	0.00001	0	0.00066	0.319	0.000031	29.5
12:52:12.038	21	0.00001	0	0.00055	0.275	0.000027	27.2
12:52:13.038	21	0.00001	0	0.00033	0.217	0.000021	25.3
12:52:14.038	21	0.00001	0	0.00023	0.197	0.000019	22.6
12:52:15.038	21	0.00001	0	0.00024	0.134	0.000013	20.3
12:52:16.038	21	0.00001	0	0.00042	0.091	0.000009	18.2
12:52:17.038	21	0.00001	0	0.0009	0.103	0.00001	16.3
12:52:18.038	21	0.00001	0	0.00092	0.085	0.000008	14.1
12:52:19.038	21	0.00001	0	0.00071	0.079	0.000007	12.1
12:52:20.038	21	0.00001	0	0.0008	0.134	0.000013	9.3
12:52:21.038	21	0.00001	0	0.00096	0.241	0.000024	6.9
12:52:22.038	21	0.00001	0	0.00107	0.375	0.000037	4.5
12:52:23.038	21	0.00001	0	0.00109	0.546	0.000053	2.4
12:52:24.038	21	0.00001	0	0.00102	0.742	0.000072	1.1
12:52:25.038	21	0.00001	0	0.00077	0.852	0.000083	0

9.00E-01	-2.200	1.000	0.000	0.892	0.000	1447	34.16	63.2	338.87931	394.576038	108.777337	8	0
9.00E-01	-2.200	1.000	0.000	0.896	0.000	1445	34.16	55	312.555372	388.554893	108.459447	8.702959	0
9.00E-01	-2.200	1.000	0.000	0.904	0.000	1439	34.16	62.9	308.2	381.587211	103.159908	9.743793	0
9.00E-01	-2.200	1.000	0.000	0.907	0.400	1435	34.079	62.4	308.941836	374.619528	97.860369	10.882283	0
9.00E-01	-2.200	1.000	0.000	0.907	1.000	1426	33.53	57.1	316.057921	367.651845	92.560829	10.067332	0
9.00E-01	-2.300	1.000	0.000	0.909	1.000	1419	33.53	65.1	322.919109	367.457398	87.26129	11	0
9.00E-01	-2.300	1.000	0.000	0.910	1.000	1413	33.53	68.7	308.699221	372.541735	86.734812	11	0
8.00E-01	-2.300	0.900	0.000	0.815	1.000	1411	33.53	76.9	309	377.626072	87.699132	10.406619	0
9.00E-01	-2.300	1.000	0.000	0.890	0.800	1415	33.53	78	311.497893	382.71041	88.663452	10.860892	0
9.00E-01	-2.300	1.000	0.000	0.897	0.000	1417	33.53	77.8	335.215643	386.530251	89.627772	11	0
9.00E-01	-2.300	1.000	0.000	0.895	0.000	1420	33.53	73.8	309	388.545424	90.144471	11.285403	0
9.00E-01	-2.300	1.000	0.000	0.895	0.000	1415	33.53	72.6	309.47703	390.560597	90.379765	12.810365	0
9.00E-01	-2.300	1.000	0.000	0.898	0.000	1410	33.53	71.8	309.8	392.575771	90.615059	14	0
9.00E-01	-2.300	1.000	0.000	0.898	0.000	1400	32.91	69.7	349.373182	393.230482	90.850353	14	0
9.00E-01	-2.300	1.000	0.000	0.900	0.000	1391	32.91	69	309.131225	388.232969	89.88	14.007828	0
9.00E-01	-2.200	1.000	0.000	0.902	0.200	1384	32.725	65.8	309.613333	383.235455	86.803077	15.964775	0
9.00E-01	-2.200	1.000	0.000	0.902	1.000	1368	32.29	55.7	309	378.237941	83.726154	16	0
9.00E-01	-2.200	1.000	0.000	0.903	0.000	1347	31.67	55.5	339.719241	371.943955	80.649231	16.773333	0
9.00E-01	-2.200	1.000	0.000	0.909	0.200	1335	31.477	51.8	309	359.40881	78.150961	16	0
8.00E-01	-2.300	0.900	0.000	0.828	1.000	1320	31.05	36.9	308.764817	346.873664	76.321134	16	0
8.00E-01	-2.300	0.900	0.000	0.822	1.000	1300	30.72	20.2	308.2	334.338519	74.491308	16	0
8.00E-01	-2.300	0.900	0.000	0.827	1.200	1264	29.964	9.3	312.506404	321.803374	72.661482	16	0
8.00E-01	-2.300	0.900	0.000	0.833	2.000	1243	29.81	0	308.366512	308.151757	70.427861	16	0
8.00E-01	-2.300	0.900	0.000	0.843	1.000	1227	29.184	1.5	307.5	294.381576	64.208955	16	0
8.00E-01	-2.300	0.800	0.000	0.760	0.300	1221	28.7	12.2	307.38771	280.611396	57.99005	16	0
8.00E-01	-2.300	0.800	0.000	0.770	0.000	1216	29.19	14	297.339963	266.841216	51.771144	14.298417	0
8.00E-01	-2.300	0.800	0.000	0.776	0.000	1216	29.19	16.1	302.247674	258.398571	46.453928	11.459971	0
7.00E-01	-2.300	0.700	0.000	0.679	0.000	1233	29.226	17.6	306.8	252.327143	52.758487	9.375297	0
7.00E-01	-2.300	0.700	0.000	0.678	0.000	1251	29.81	17.6	306.8	246.255714	59.063046	8.009412	0
7.00E-01	-2.300	0.700	0.000	0.676	0.000	1253	29.81	12.2	290.843656	240.184286	65.367604	7	0
7.00E-01	-2.300	0.700	0.000	0.675	0.000	1227	29.336	1.1	296.48603	235.069825	71.672163	6.483412	0
7.00E-01	-2.300	0.700	0.000	0.675	0.000	1142	27.22	0	305.503175	230.237991	62.969278	6	0
7.00E-01	-2.300	0.700	0.000	0.674	0.000	1009	25.122	0	306.1	225.406158	53.443201	6	0
7.00E-01	-2.300	0.700	0.000	0.676	0.000	994	22.214	0	294.844389	220.574325	43.917123	6	0
7.00E-01	-2.300	0.700	0.000	0.678	0.000	1025	19.18	0	282.399294	216.665705	34.391045	6	0
7.00E-01	-2.300	0.700	0.000	0.680	0.000	1036	16.907	0	304.534851	213.512442	29.687677	6	0
7.00E-01	-2.300	0.700	0.000	0.683	0.000	1012	15.194	0	303.9	210.359179	26.600463	6	0
7.00E-01	-2.400	0.700	0.000	0.684	0.000	866	13.118	2.1	304.535385	207.205915	23.513249	6	0
7.00E-01	-2.500	0.700	0.000	0.685	0.000	821	10.771	32.6	278.45426	208.301514	20.426036	6	0
6.00E-01	-2.500	0.600	0.000	0.602	0.000	822	7.801	34.4	303.9	214.405029	38.926969	5.526934	0
6.00E-01	-2.500	0.600	0.000	0.587	0.000	754	5.751	43.5	303.33265	220.508545	60.88401	4.397653	0
6.00E-01	-2.500	0.600	0.000	0.585	0.000	757	3.652	44	303.805777	226.612061	82.84105	3.182353	0
6.00E-01	-2.500	0.600	0.000	0.582	0.000	751	2.045	44.2	277.889747	231.917534	104.798091	3	0
6.00E-01	-2.500	0.600	0.000	0.577	0.000	745	0.54	48.3	303.2	235.822588	110.331678	2.662352	0
6.00E-01	-2.500	0.600	0.000	0.571	0.000	745	0	51	303.2	239.727642	107.849057	2	0
6.00E-01	-2.500	0.600	0.000	0.566	0.000	751	0.096	49.8	300.001152	243.632695	105.366435	2	0
6.00E-01	-2.500	0.600	0.000	0.563	0.000	757	0.365	46.5	284.263158	246.441721	102.883813	2	0

0.05152	0.0077	0.91871	1547.081
0.05156	0.0077	0.91989	1550.712
0.0516	0.0077	0.92103	1554.004
0.05164	0.0077	0.92176	1557.104
0.05168	0.00771	0.92303	1560.208
0.05172	0.00772	0.92403	1563.418
0.05176	0.00773	0.92541	1566.762
0.0518	0.00774	0.92725	1570.708
0.05184	0.00775	0.92901	1575.194
0.05188	0.00775	0.93048	1579.843
0.05192	0.00775	0.93253	1584.336
0.05196	0.00775	0.93432	1588.608
0.052	0.00775	0.93596	1592.631
0.05204	0.00775	0.93751	1596.422
0.05208	0.00775	0.93915	1600.335
0.05212	0.00775	0.94071	1603.992
0.05215	0.00776	0.94216	1607.373
0.05218	0.00776	0.94339	1610.46
0.05221	0.00776	0.94415	1613.155
0.05224	0.00777	0.94498	1615.434
0.05226	0.00778	0.94599	1617.459
0.05228	0.00779	0.94662	1619.059
0.0523	0.0078	0.94687	1620.303
0.05232	0.00781	0.94702	1621.333
0.05234	0.00781	0.94702	1622.333
0.05236	0.00781	0.94702	1622.882
0.05238	0.00781	0.94755	1623.243
0.0524	0.00781	0.94855	1623.603
0.05242	0.00781	0.94954	1623.997
0.05243	0.00781	0.95033	1624.387
0.05244	0.00781	0.95093	1624.758
0.05245	0.00781	0.95156	1625.11
0.05246	0.00781	0.95222	1625.429
0.05247	0.00781	0.95277	1625.704
0.05248	0.00781	0.9531	1625.921
0.05249	0.00781	0.95333	1626.118
0.0525	0.00781	0.95357	1626.252
0.05251	0.00781	0.95399	1626.343
0.05252	0.00781	0.95489	1626.446
0.05253	0.00781	0.95581	1626.531
0.05254	0.00781	0.95652	1626.61
0.05255	0.00781	0.95732	1626.744
0.05256	0.00781	0.95828	1626.985
0.05257	0.00781	0.95935	1627.36
0.05258	0.00781	0.96044	1627.906
0.05259	0.00781	0.96146	1628.648
0.0526	0.00781	0.96223	1629.5

12:52:26.038	21	0.00001	0	0.00074	0.917	0.00009	0
12:52:27.038	21	0.00001	0.00001	0.00056	0.964	0.000094	0
12:52:28.038	21	0.00001	0.00001	0.0005	0.983	0.000096	0
12:52:29.038	21	0.00001	0.00001	0.00054	0.966	0.000094	0
12:52:30.038	21	0.00001	0.00001	0.00054	0.968	0.000094	0
12:52:31.038	21	0.00001	0.00001	0.00055	0.989	0.000096	0
12:52:32.038	21	0.00001	0.00001	0.00055	0.996	0.000097	0
12:52:33.038	20	0.00001	0.00001	0.00055	0.991	0.000097	0
12:52:34.038	21	0.00001	0.00001	0.00055	0.988	0.000096	0.8
12:52:35.038	20	0.00001	0.00001	0.00054	0.988	0.000096	1.4
12:52:36.038	20	0.00001	0.00001	0.00054	0.992	0.000097	0.6
12:52:37.038	20	0.00001	0.00001	0.00055	0.998	0.000097	0
12:52:38.038	20	0.00001	0.00001	0.00055	1.001	0.000098	0.9
12:52:39.038	20	0.00001	0.00001	0.00055	0.999	0.000097	1.6
12:52:40.038	20	0.00001	0.00001	0.0005	0.997	0.000097	1.3
12:52:41.038	20.9	0.00001	0.00001	0.00045	1.002	0.000098	1
12:52:42.038	20.1	0.00001	0.00001	0.00046	1.002	0.000098	0.5
12:52:43.038	20	0.00001	0.00001	0.00054	0.999	0.000097	0
12:52:44.038	20	0.00001	0.00001	0.00054	0.997	0.000097	1.1
12:52:45.038	20	0.00001	0.00001	0.00055	1.012	0.000099	2
12:52:46.038	20	0.00001	0.00002	0.00072	1.332	0.00013	1.5
12:52:47.038	20	0.00002	0.00003	0.00127	2.344	0.000229	1
12:52:48.038	20	0.00003	0.00004	0.00177	3.501	0.000341	2.4
12:52:49.038	20	0.00004	0.00004	0.00342	4.854	0.000473	3.7
12:52:50.038	20	0.00005	0.00002	0.00259	6.862	0.000667	6.7
12:52:51.038	20	0.00006	0	0.00218	7.462	0.000725	9.3
12:52:52.038	20	0.00005	0	0.00175	5.908	0.000574	13
12:52:53.038	20	0.00003	0	0.00078	3.714	0.000361	16.1
12:52:54.038	20	0.00003	0	0.00005	3.402	0.000331	17.4
12:52:55.038	20	0.00005	0	0.00308	5.275	0.000513	18.6
12:52:56.038	20	0.00006	0	0.00745	9.624	0.000936	19.7
12:52:57.038	20	0.00009	0	0.00614	12.683	0.001232	20.6
12:52:58.038	20	0.00012	0	0.00395	11.548	0.001121	23.7
12:52:59.038	20	0.00009	0	0.00251	7.624	0.000741	26.4
12:53:00.038	20	0.00007	0	0.00085	5.449	0.00053	28.9
12:53:01.038	20	0.00006	0	0.00175	4.98	0.000484	31.1
12:53:02.038	20	0.00004	0	0.00078	3.406	0.000331	32.8
12:53:03.038	20	0.00003	0	0.00007	1.873	0.000182	34.2
12:53:04.038	21	0.00002	0	0	1.059	0.000103	33.2
12:53:05.038	20.1	0.00001	0	0.00011	0.67	0.000065	32.3
12:53:06.038	20	0.00001	0	0.00017	0.446	0.000044	29.4
12:53:07.038	20	0.00001	0	0.00023	0.306	0.00003	26.9
12:53:08.038	20	0.00001	0	0.00018	0.31	0.00003	25.7
12:53:09.038	20	0.00001	0	0.00035	0.241	0.000024	24.7
12:53:10.038	20	0.00001	0	0.00062	0.182	0.000018	24.5
12:53:11.038	20	0.00001	0	0.00093	0.234	0.000023	24.4
12:53:12.038	21	0.00001	0	0.00115	0.295	0.000029	24.2

6.00E-01	-2.500	0.600	0.000	0.560	1.000	752	0	46	302.5	247.883789	100.720953	2.356696	0
7.00E-01	-2.500	0.700	0.000	0.651	1.200	751	0	45.6	302.5	249.325858	98.734856	3	0
6.00E-01	-2.500	0.700	0.000	0.650	2.200	749	0	46.6	300.485741	250.767926	96.748759	4.775924	0
6.00E-01	-2.500	0.700	0.000	0.650	3.000	750	0	46.4	284.81641	251.794081	94.762661	5.124703	0
6.00E-01	-2.500	0.700	0.000	0.650	2.800	749	0	46.5	301.6	252.252902	92.961714	6.263791	0
6.00E-01	-2.500	0.700	0.000	0.650	2.000	750	0	46.7	301.6	252.711723	91.276186	7	0
6.00E-01	-2.500	0.700	0.000	0.650	2.000	750	0	46.3	301.6	253.170544	89.590657	7	0
6.00E-01	-2.500	0.700	0.000	0.644	2.700	750	0	46.7	279.884264	253.622451	87.905129	7.701777	0
6.00E-01	-2.500	0.700	0.000	0.650	2.300	749	0	47.1	301.41483	253.97324	86.548072	8	0
6.00E-01	-2.500	0.700	0.000	0.644	3.000	749	0	47.8	300.9	254.324029	85.571986	8.123113	0
6.00E-01	-2.500	0.700	0.000	0.644	3.000	749	0.328	48.4	300.9	254.674818	84.5959	9	0
6.00E-01	-2.500	0.700	0.000	0.644	3.000	748	0.62	48.2	280.307624	255	83.619815	9	0
6.00E-01	-2.500	0.700	0.000	0.645	3.000	750	0	48	300.067735	255	82.826273	9	0
6.00E-01	-2.500	0.700	0.000	0.645	3.000	749	0	47.1	299.5	255	82.350309	9	0
6.00E-01	-2.500	0.700	0.000	0.645	3.000	749	0	46.1	299.5	255	81.874346	9	0
7.00E-01	-2.400	0.700	0.000	0.650	3.000	750	0	46.2	282.18275	255	81.398382	9	0
6.00E-01	-2.400	0.700	0.000	0.645	3.000	748	0.619	46.7	297.435986	254.834307	80.87866	9	0
6.00E-01	-2.400	0.700	0.000	0.645	3.000	749	0.62	47.2	298.2	254.659526	80.134243	9	0
6.00E-01	-2.500	0.700	0.000	0.645	3.000	748	0.62	47.5	297.819425	254.484744	79.389826	9	0
6.00E-01	-2.500	0.700	0.000	0.645	3.000	748	0.62	55.1	281.179593	254.309963	78.645409	9	0
6.00E-01	-2.500	0.700	0.000	0.645	3.000	819	1.226	64.6	295.165385	268.104289	78.372897	9	0
6.00E-01	-2.500	0.700	0.000	0.645	3.000	1248	2.626	69.1	296.1	282.742984	81.176636	9.829322	0
6.00E-01	-2.500	0.700	0.000	0.638	3.000	1488	5.551	74.8	295.992453	297.381678	83.980374	9.008226	0
6.00E-01	-2.500	0.700	0.000	0.631	2.600	1614	8.256	77.5	299.314232	312.020373	86.784112	7.175219	0
6.00E-01	-2.500	0.700	0.000	0.626	0.800	1765	10.919	84.2	297.846126	324.042958	89.58785	8.813842	0
7.00E-01	-2.500	0.800	0.000	0.712	0.000	1765	13.97	76.1	292.119	334.675359	92.845522	10.620988	0
7.00E-01	-2.500	0.800	0.000	0.713	0.000	1798	16.208	58.8	290.611251	345.30776	96.181422	15.02907	0
7.00E-01	-2.400	0.800	0.000	0.718	0.000	1666	17.39	45.5	297.504918	355.940161	99.517321	19.924617	0
7.00E-01	-2.400	0.800	0.000	0.728	0.000	1312	17.855	88.7	299.034416	375.073169	102.85322	21.47769	0
7.00E-01	-2.400	0.800	0.000	0.721	0.000	1364	19.112	99.6	287.291333	398.133358	171.577672	21.329621	0
6.00E-01	-2.400	0.700	0.000	0.621	0.000	1530	21.297	96.8	287.179537	421.193546	243.311639	20.17853	0
8.00E-01	-2.300	0.900	0.000	0.773	0.000	1749	24.569	85.3	307.77816	444.253735	315.045606	23.384519	0
1.10E+00	-2.100	1.200	0.000	1.056	0.000	1969	28.017	75.8	330.723131	452.213029	386.779572	31.977907	0
1.10E+00	-1.800	1.300	0.000	1.150	0.000	1795	30.075	62.8	286.96497	447.666463	356.74377	38.40122	0
1.20E+00	-1.700	1.300	0.000	1.162	0.000	1752	31.668	79.3	286.54443	443.119897	292.057136	40.733073	0
1.20E+00	-1.700	1.300	0.000	1.158	0.000	1782	32.91	66.7	297.2625	438.573332	227.370501	41	0
1.10E+00	-1.700	1.200	0.000	1.074	0.000	1470	32.91	14.8	329.42807	422.536031	162.683866	40.774933	0
1.10E+00	-1.700	1.200	0.000	1.086	0.000	1309	31.629	1	287.8	392.790483	127.949358	39.53348	0
9.00E-01	-2.000	1.000	0.000	0.936	0.200	1220	28.952	0	288.436407	363.044936	102.010623	39	0
8.00E-01	-2.400	0.800	0.000	0.756	1.000	1109	26.37	0	291.066709	333.299389	76.071887	37.992405	0
6.00E-01	-2.600	0.600	0.000	0.575	0.600	1007	24.848	0	296.349528	313.246211	50.133152	36.245634	0
5.00E-01	-2.700	0.500	0.000	0.483	0.000	963	23.837	0	287.2	301.927222	44.872505	33.610687	0
4.00E-01	-2.700	0.400	0.000	0.391	0.000	1127	23.122	15.8	287.2	290.608232	47.455271	31.421053	0
4.00E-01	-2.700	0.400	0.000	0.386	0.000	1258	22.98	22.9	287.2	279.289242	50.038037	27.190698	0
4.00E-01	-2.700	0.400	0.000	0.387	0.000	1230	22.36	10.4	280.464109	268.798286	52.620803	20.377834	0
4.00E-01	-2.700	0.400	0.000	0.386	0.000	1182	21.92	1.7	287.8	260.79143	53.281788	15.762222	0
4.00E-01	-2.700	0.400	0.000	0.387	0.000	1131	20.779	0	287.8	252.784574	51.74056	13.728702	0

0.05261	0.00781	0.96297	1630.417
0.05262	0.00782	0.96353	1631.381
0.05263	0.00783	0.96403	1632.364
0.05264	0.00784	0.96457	1633.33
0.05265	0.00785	0.96511	1634.298
0.05266	0.00786	0.96566	1635.287
0.05267	0.00787	0.96621	1636.283
0.05268	0.00788	0.96676	1637.274
0.05269	0.00789	0.96731	1638.262
0.0527	0.0079	0.96785	1639.25
0.05271	0.00791	0.96839	1640.242
0.05272	0.00792	0.96894	1641.24
0.05273	0.00793	0.96949	1642.241
0.05274	0.00794	0.97004	1643.24
0.05275	0.00795	0.97054	1644.237
0.05276	0.00796	0.97099	1645.239
0.05277	0.00797	0.97145	1646.241
0.05278	0.00798	0.97199	1647.24
0.05279	0.00799	0.97253	1648.237
0.0528	0.008	0.97308	1649.249
0.05281	0.00802	0.9738	1650.581
0.05283	0.00805	0.97507	1652.925
0.05286	0.00809	0.97684	1656.426
0.0529	0.00813	0.98026	1661.28
0.05295	0.00815	0.98285	1668.142
0.05301	0.00815	0.98503	1675.604
0.05306	0.00815	0.98678	1681.512
0.05309	0.00815	0.98756	1685.226
0.05312	0.00815	0.98761	1688.628
0.05317	0.00815	0.99069	1693.903
0.05323	0.00815	0.99814	1703.527
0.05332	0.00815	1.00428	1716.21
0.05344	0.00815	1.00823	1727.758
0.05353	0.00815	1.01074	1735.382
0.0536	0.00815	1.01159	1740.831
0.05366	0.00815	1.01334	1745.811
0.0537	0.00815	1.01412	1749.217
0.05373	0.00815	1.01419	1751.09
0.05375	0.00815	1.01419	1752.149
0.05376	0.00815	1.0143	1752.819
0.05377	0.00815	1.01447	1753.265
0.05378	0.00815	1.0147	1753.571
0.05379	0.00815	1.01488	1753.881
0.0538	0.00815	1.01523	1754.122
0.05381	0.00815	1.01585	1754.304
0.05382	0.00815	1.01678	1754.538
0.05383	0.00815	1.01793	1754.833

12:53:13.038	21	0.00001	0	0.00091	0.319	0.000031	24.1
12:53:14.038	21	0.00001	0	0.0006	0.328	0.000032	22.5
12:53:15.038	21	0.00001	0	0.0007	0.354	0.000035	21.2
12:53:16.038	21	0.00001	0	0.00054	0.243	0.000024	19.1
12:53:17.038	21	0.00001	0	0.00035	0.162	0.000016	17.4
12:53:18.038	21	0.00001	0	0.00043	0.135	0.000013	15.8
12:53:19.038	21	0.00001	0	0.00037	0.134	0.000013	14.5
12:53:20.038	21	0.00001	0	0.0004	0.096	0.000009	11.4
12:53:21.038	21	0.00001	0	0.00051	0.093	0.000009	8.7
12:53:22.038	21	0.00001	0	0.00073	0.139	0.000014	4.6
12:53:23.038	21	0.00001	0	0.00095	0.272	0.000027	1.2
12:53:24.038	21	0.00001	0	0.00078	0.253	0.000025	0.5
12:53:25.038	21	0.00001	0	0.00124	0.643	0.000063	0
12:53:26.038	21	0.00001	0	0.00173	0.989	0.000097	0
12:53:27.038	21	0.00001	0	0.00131	1.081	0.000106	0
12:53:28.038	21	0.00001	0.00002	0.00084	1.063	0.000104	0.8
12:53:29.038	21	0.00001	0.00003	0.00059	0.954	0.000093	1.4
12:53:30.038	21	0.00001	0.00003	0.00064	0.894	0.000087	0.6
12:53:31.038	21	0.00001	0.00002	0.00071	0.898	0.000088	0
12:53:32.038	21	0.00001	0.00001	0.00074	0.966	0.000094	0
12:53:33.038	21	0.00001	0.00001	0.00063	1.021	0.0001	0
12:53:34.038	21	0.00001	0.00001	0.00059	1.035	0.000101	0
12:53:35.038	21	0.00001	0.00001	0.00063	1.005	0.000098	0
12:53:36.038	21	0.00001	0.00001	0.00062	0.999	0.000097	0
12:53:37.038	21	0.00001	0.00001	0.00063	1.013	0.000099	0
12:53:38.038	21	0.00001	0.00001	0.00063	1.019	0.000099	0
12:53:39.038	21	0.00001	0.00001	0.00064	1.036	0.000101	0
12:53:40.038	21	0.00001	0.00001	0.00064	1.035	0.000101	0
12:53:41.038	21	0.00001	0.00001	0.00063	1.011	0.000099	0
12:53:42.038	21	0.00001	0.00001	0.00064	0.995	0.000097	0
12:53:43.038	21	0.00001	0.00001	0.00071	0.974	0.000095	0
12:53:44.038	21	0.00001	0.00001	0.00071	0.968	0.000094	0
12:53:45.038	21	0.00001	0.00001	0.00072	0.972	0.000095	0
12:53:46.038	21	0.00001	0.00001	0.00067	0.967	0.000094	0
12:53:47.038	21	0.00001	0.00001	0.00063	0.975	0.000095	0
12:53:48.038	21	0.00001	0.00001	0.00063	0.985	0.000096	0.5
12:53:49.038	21	0.00001	0.00002	0.0007	1.096	0.000107	1
12:53:50.038	21	0.00002	0.00004	0.00121	2.198	0.000214	0.5
12:53:51.038	21	0.00003	0.00006	0.00378	4.499	0.000439	0
12:53:52.038	21	0.00005	0.00008	0.00711	9.027	0.000879	1.1
12:53:53.038	21	0.00009	0	0.0069	12.5	0.001216	2.1
12:53:54.038	21	0.00009	0	0.00397	11.205	0.001089	8.7
12:53:55.038	21	0.00008	0	0.00349	8.388	0.000816	14.3
12:53:56.038	21	0.00008	0	0.00522	9.318	0.000906	19.3
12:53:57.038	21	0.0001	0	0.00462	10.518	0.001022	23.5
12:53:58.038	21	0.0001	0	0.00282	10.187	0.00099	26.7
12:53:59.038	21	0.00009	0	0.0019	9.323	0.000906	29.5

4.00E-01	-2.700	0.400	0.000	0.386	0.000	1030	19.483	0	287.8	244.777718	50.199332	12.438685	0
4.00E-01	-2.700	0.400	0.000	0.385	0.000	956	17.945	4.4	263.845846	237.31181	48.658104	12	0
4.00E-01	-2.700	0.400	0.000	0.386	0.000	1003	16.877	3.3	287.8	232.563678	44.715548	11	0
4.00E-01	-2.800	0.400	0.000	0.388	0.000	1041	15.553	0	287.8	227.815546	38.98352	11	0
4.00E-01	-2.800	0.400	0.000	0.389	0.000	949	14.071	0	288.290654	223.067414	33.251493	11	0
4.00E-01	-2.800	0.400	0.000	0.390	0.000	775	12.025	18.9	259.351847	218.487797	27.519465	11	0
4.00E-01	-2.800	0.400	0.000	0.391	0.000	819	9.354	31.2	287.8	223.652354	33.204615	10	0
4.00E-01	-2.800	0.400	0.000	0.391	0.000	782	6.458	34.5	287.8	228.816911	57.050769	9.968974	0
4.00E-01	-2.800	0.400	0.000	0.391	0.000	757	2.588	47.6	288.233645	233.981468	80.896923	9	0
4.00E-01	-2.800	0.400	0.000	0.390	0.000	745	1.263	49.6	266.148834	239.041265	104.743077	8.293282	0
4.00E-01	-2.800	0.400	0.000	0.386	0.000	741	0.409	53.6	289.3	242.642238	119.357588	7.860099	0
5.00E-01	-2.800	0.500	0.000	0.471	0.000	486	0	35.3	289.546327	246.243212	124.208593	7	0
5.00E-01	-2.800	0.500	0.000	0.477	0.000	678	0	24.6	289.62562	249.844185	129.059598	6.306075	0
5.00E-01	-2.800	0.500	0.000	0.471	0.000	787	0	40.3	276.027159	253.445158	133.910603	5	0
5.00E-01	-2.800	0.600	0.000	0.549	0.300	749	0	54.7	289.607042	255.796634	139.205529	5.751459	0
6.00E-01	-2.800	0.600	0.000	0.557	3.100	756	0	54.3	290.746792	258.091966	146.884054	6.972806	0
6.00E-01	-2.800	0.600	0.000	0.558	5.400	755	0	51.3	290.865789	260.387299	154.56258	8	0
6.00E-01	-2.700	0.600	0.000	0.559	5.400	750	0	49.8	278.556899	262.6	162.241106	8.674776	0
6.00E-01	-2.700	0.600	0.000	0.558	3.600	744	0	49.1	291.404222	262.6	164.085011	9.878681	0
6.00E-01	-2.700	0.600	0.000	0.557	2.700	745	0	50.4	292.7	262.6	148.425056	11	0
5.00E-01	-2.700	0.500	0.000	0.463	2.000	748	0	51.9	292.7	262.6	132.765101	11.252266	0
5.00E-01	-2.700	0.500	0.000	0.462	2.000	755	0	50	280.098235	262.596363	117.105145	12	0
5.00E-01	-2.700	0.500	0.000	0.462	3.000	755	0	47.5	293.3	262.076818	104.083754	12	0
5.00E-01	-2.700	0.500	0.000	0.462	3.000	750	0	47.6	293.3	261.557274	100.047427	12.940217	0
5.00E-01	-2.700	0.500	0.000	0.462	3.000	750	0	47.1	293.3	261.037729	96.0111	14	0
5.00E-01	-2.700	0.500	0.000	0.462	3.000	748	0	46.4	281.896755	260.518184	91.974773	14	0
5.00E-01	-2.700	0.500	0.000	0.462	3.000	749	0	45.6	294	260.024396	88.618472	14	0
5.00E-01	-2.700	0.600	0.000	0.547	3.000	749	0	45.9	294	259.531543	87.167795	14	0
5.00E-01	-2.700	0.600	0.000	0.546	3.000	749	0	46.3	294.240393	259.038689	85.717118	14	0
6.00E-01	-2.700	0.600	0.000	0.555	3.000	750	0	46.3	281.764899	258.545835	84.266441	14	0
6.00E-01	-2.700	0.600	0.000	0.555	3.000	747	0	46	293.337634	258.068095	82.939553	14	0
5.00E-01	-2.700	0.500	0.000	0.470	3.000	749	0	47.1	295.442178	257.591905	82.463589	14	0
5.00E-01	-2.800	0.500	0.000	0.463	3.000	749	0	47.7	294.7	257.115714	81.987625	14	0
5.00E-01	-2.800	0.500	0.000	0.463	3.000	749	0	47.7	286.105556	256.639524	81.511661	14	0
5.00E-01	-2.800	0.500	0.000	0.463	3.000	750	0	48.2	288.628571	257.719893	81.035697	14	0
5.00E-01	-2.800	0.500	0.000	0.463	3.000	749	0	48.2	294.7	259.445344	81	14	0
6.00E-01	-2.700	0.600	0.000	0.554	3.400	806	0.09	54.4	294.781882	261.170794	81	14	0
6.00E-01	-2.700	0.600	0.000	0.554	3.600	1172	1.177	74.2	289.089344	262.896245	81	14	0
5.00E-01	-2.700	0.600	0.000	0.548	3.000	1590	4.46	82.3	294.381094	294.13145	84.263978	14	0
5.00E-01	-2.700	0.600	0.000	0.539	2.500	1931	9.103	90.8	294.7	334.381385	103.808758	13.101087	0
7.00E-01	-2.700	0.800	0.000	0.709	0.000	2092	13.33	77.2	294.454839	374.63132	123.353538	14.835637	0
8.00E-01	-2.700	0.900	0.000	0.799	0.000	2184	18.417	75.6	337.992662	414.881255	142.898318	25.131414	0
9.00E-01	-2.600	1.000	0.000	0.890	0.000	1661	21.643	71.2	297.598467	430.007796	159.337289	34.53584	0
9.00E-01	-2.500	1.000	0.000	0.892	0.000	1763	24.696	91.8	292	443.097305	154.035597	38.9175	0
1.00E+00	-2.400	1.100	0.000	0.965	0.000	1948	27.617	86.1	291.772685	456.186814	148.733906	41.549941	0
1.00E+00	-2.300	1.100	0.000	0.976	0.000	1864	30.276	82.9	339.510763	469.276323	143.432214	45.333333	0
1.00E+00	-2.300	1.100	0.000	0.980	0.000	1795	32.314	78.3	296.651138	469.092632	138.765491	46.708018	0

0.05384	0.00815	1.01884	1755.152
0.05385	0.00815	1.01944	1755.48
0.05386	0.00815	1.02014	1755.834
0.05387	0.00815	1.02068	1756.077
0.05388	0.00815	1.02103	1756.239
0.05389	0.00815	1.02146	1756.374
0.0539	0.00815	1.02183	1756.508
0.05391	0.00815	1.02223	1756.604
0.05392	0.00815	1.02274	1756.697
0.05393	0.00815	1.02347	1756.836
0.05394	0.00815	1.02442	1757.108
0.05395	0.00815	1.0252	1757.361
0.05396	0.00815	1.02644	1758.004
0.05397	0.00815	1.02817	1758.993
0.05398	0.00815	1.02948	1760.074
0.05399	0.00817	1.03032	1761.137
0.054	0.0082	1.03091	1762.091
0.05401	0.00823	1.03155	1762.985
0.05402	0.00825	1.03226	1763.883
0.05403	0.00826	1.033	1764.849
0.05404	0.00827	1.03363	1765.87
0.05405	0.00828	1.03422	1766.905
0.05406	0.00829	1.03485	1767.91
0.05407	0.0083	1.03547	1768.909
0.05408	0.00831	1.0361	1769.922
0.05409	0.00832	1.03673	1770.941
0.0541	0.00833	1.03737	1771.977
0.05411	0.00834	1.03801	1773.012
0.05412	0.00835	1.03864	1774.023
0.05413	0.00836	1.03928	1775.018
0.05414	0.00837	1.03999	1775.992
0.05415	0.00838	1.0407	1776.96
0.05416	0.00839	1.04142	1777.932
0.05417	0.0084	1.04209	1778.899
0.05418	0.00841	1.04272	1779.874
0.05419	0.00842	1.04335	1780.859
0.0542	0.00844	1.04405	1781.955
0.05422	0.00848	1.04526	1784.153
0.05425	0.00854	1.04904	1788.652
0.0543	0.00862	1.05615	1797.679
0.05439	0.00862	1.06305	1810.179
0.05448	0.00862	1.06702	1821.384
0.05456	0.00862	1.07051	1829.772
0.05464	0.00862	1.07573	1839.09
0.05474	0.00862	1.08035	1849.608
0.05484	0.00862	1.08317	1859.795
0.05493	0.00862	1.08507	1869.118

12:54:00.038	21	0.00009	0	0.00282	8.578	0.000834	31.1
12:54:01.038	21	0.00008	0	0.00224	7.681	0.000747	32.5
12:54:02.038	21	0.00007	0	0.00259	6.53	0.000635	32.5
12:54:03.038	21	0.00006	0	0.00253	5.867	0.000571	32.5
12:54:04.038	21	0.00006	0	0.002	5.528	0.000538	36.3
12:54:05.038	21	0.00007	0	0.00205	6.421	0.000624	39.4
12:54:06.038	21	0.00007	0	0.00266	7.53	0.000732	39.3
12:54:07.038	21	0.00005	0	0.00101	5.442	0.000529	39.2
12:54:08.038	21	0.00004	0	0.00062	4.451	0.000433	40.1
12:54:09.038	21	0.00004	0	0.00139	3.759	0.000366	40.9
12:54:10.038	21	0.00003	0	0.00179	3.37	0.000328	39.9
12:54:11.038	21	0.00003	0	0.00167	3.233	0.000315	39.1
12:54:12.038	21	0.00003	0.00003	0.00152	3.129	0.000305	39.2
12:54:13.038	21	0.00003	0.00004	0.00118	3.019	0.000294	39.2
12:54:14.038	21	0.00003	0.00003	0.0014	2.769	0.00027	38.7
12:54:15.038	21	0.00003	0.00002	0.0012	2.899	0.000282	38.3
12:54:16.038	21	0.00003	0.00001	0.00095	2.483	0.000242	37.9
12:54:17.038	21	0.00003	0.00001	0.00101	2.316	0.000226	37.5
12:54:18.038	21	0.00002	0	0.00095	2.086	0.000203	37.5
12:54:19.038	21	0.00002	0	0.00106	1.751	0.000171	37.5
12:54:20.038	21	0.00002	0	0.00078	1.46	0.000142	36.8
12:54:21.038	21	0.00002	0	0.00121	1.33	0.00013	36.2
12:54:22.038	21	0.00002	0	0.00128	1.255	0.000123	36.4
12:54:23.038	21	0.00001	0	0.00097	0.985	0.000096	36.6
12:54:24.038	21	0.00001	0	0.00117	0.976	0.000095	35.8
12:54:25.038	21	0.00002	0	0.00085	1.092	0.000107	35.2
12:54:26.038	21	0.00002	0	0.00039	1.033	0.000101	35
12:54:27.038	21	0.00002	0	0.00357	1.622	0.000159	34.9
12:54:28.038	21	0.00003	0	0.00625	3.83	0.000374	34.3
12:54:29.038	20.1	0.00004	0	0.00565	6.194	0.000603	33.8
12:54:30.038	20	0.00005	0	0.00373	7.94	0.000771	36.3
12:54:31.038	20	0.00006	0	0.00206	8.655	0.00084	38.4
12:54:32.038	20	0.00004	0	0.00094	5.103	0.000496	40.2
12:54:33.038	20	0.00002	0	0.00014	2.842	0.000276	41.7
12:54:34.038	20	0.00002	0	0	1.976	0.000192	42.2
12:54:35.038	20	0.00002	0	0	1.563	0.000152	42.6
12:54:36.038	20	0.00001	0	0	0.704	0.000069	42.5
12:54:37.038	20	0.00001	0	0.00023	0.428	0.000042	42.5
12:54:38.038	20	0.00002	0	0.00162	0.83	0.000081	43
12:54:39.038	20	0.00002	0	0.00075	0.595	0.000058	43.4
12:54:40.038	20	0.00001	0	0.00018	0.166	0.000016	42.3
12:54:41.038	20	0.00001	0	0.00049	0.087	0.000012	41.3
12:54:42.038	20	0.00001	0	0.00095	0.171	0.000017	41
12:54:43.038	20	0.00001	0	0.00214	0.465	0.000046	40.7
12:54:44.038	20	0.00001	0	0.0026	0.93	0.000091	40.5
12:54:45.038	20	0.00001	0	0.00281	1.589	0.000155	40.4
12:54:46.038	20	0.00002	0	0.00355	2.718	0.000265	41.3

1.00E+00	-2.300	1.100	0.000	0.981	0.000	1891	34.166	75.2	292.675524	464.921803	137.335558	47	0
1.00E+00	-2.300	1.100	0.000	0.987	0.000	1962	35.534	75.5	293.418966	460.750974	135.905624	47.973494	0
1.00E+00	-2.300	1.100	0.000	0.989	0.000	1776	36.344	69.6	331.738802	456.580145	134.475691	48.769886	0
1.00E+00	-2.400	1.100	0.000	0.990	0.000	1585	37.13	76	315.674194	458.022408	133.045758	48	0
1.00E+00	-2.400	1.100	0.000	0.987	0.000	1590	37.821	83.2	296.016157	461.188953	143.521739	48	0
1.00E+00	-2.400	1.100	0.000	0.984	0.000	1604	37.936	91.8	297.525722	464.355499	154.391304	48	0
1.00E+00	-2.400	1.100	0.000	0.977	0.000	1629	38.741	92.4	327.569409	467.522045	165.26087	49	0
9.00E-01	-2.400	1.000	0.000	0.899	0.000	1638	38.734	77	335.358095	460.453689	176.130435	49	0
9.00E-01	-2.400	1.000	0.000	0.901	0.000	1632	38.5	67.7	301.089412	447.322621	161.077372	49	0
9.00E-01	-2.400	1.000	0.000	0.906	0.000	1631	38.5	69.3	302.497143	434.191553	140.639416	48.269891	0
8.00E-01	-2.500	0.900	0.000	0.822	0.000	1622	38.347	58.2	314.098611	421.060485	120.20146	48	0
8.00E-01	-2.500	0.900	0.000	0.816	0.400	1612	37.88	49.2	335.529017	408.967649	99.763504	46.755078	0
8.00E-01	-2.500	0.900	0.000	0.820	2.400	1599	37.88	53.8	305.062	397.880343	92.179205	45.540574	0
8.00E-01	-2.500	0.900	0.000	0.823	3.000	1584	37.26	51.6	306.1	386.793037	89.64328	44.139605	0
8.00E-01	-2.500	0.900	0.000	0.824	2.400	1569	37.26	48.4	319.176254	375.705731	87.107354	41.887043	0
8.00E-01	-2.500	0.900	0.000	0.826	1.800	1587	36.64	51.3	308.1225	364.733167	85.295455	40.269592	0
7.00E-01	-2.600	0.800	0.000	0.738	1.000	1545	36.64	43.2	308.99697	353.794106	87.043706	40	0
7.00E-01	-2.600	0.800	0.000	0.738	1.000	1535	36.479	38	309.9398	342.855045	88.791958	38.072345	0
7.00E-01	-2.700	0.700	0.000	0.654	0.000	1532	36.02	29.6	315.791759	331.915984	90.54021	36.669576	0
7.00E-01	-2.800	0.700	0.000	0.652	0.000	1511	36.011	36.4	311.65569	323.053097	92.277845	35.294207	0
7.00E-01	-2.900	0.700	0.000	0.657	0.000	1486	35.397	13.9	311.875549	314.810367	93.961751	34.193806	0
6.00E-01	-2.900	0.600	0.000	0.565	0.000	1485	34.78	35	312.114953	306.567636	95.645658	33.051765	0
6.00E-01	-2.900	0.600	0.000	0.566	0.000	1463	34.78	27	308.986429	298.324905	97.329565	31.710267	0
6.00E-01	-2.900	0.600	0.000	0.568	0.000	1446	34.259	1.3	312.225357	292.267766	99.02167	30.403614	0
5.00E-01	-2.900	0.500	0.000	0.482	0.000	1423	33.564	0.8	314.1	286.706742	101.730362	29.276387	0
5.00E-01	-2.900	0.500	0.000	0.476	0.000	1421	33.53	24.8	314.8	281.145719	104.439054	28.132558	0
5.00E-01	-2.900	0.500	0.000	0.480	0.000	1444	33.883	59.9	304.484856	275.584695	107.147747	26.693649	0
5.00E-01	-2.900	0.500	0.000	0.477	0.000	1472	34.637	78.6	310.159882	297.469649	109.856439	22.381564	0
5.00E-01	-2.900	0.500	0.000	0.462	0.000	1520	35.968	82.3	317.029187	328.454534	118.802838	17.567237	0
5.00E-01	-2.900	0.600	0.000	0.536	0.000	1578	36.947	87.8	317.369231	359.43942	128.098337	22.055684	0
6.00E-01	-2.900	0.700	0.000	0.618	0.000	1644	38.423	84.5	334.407134	390.424305	137.393836	31.264743	0
7.00E-01	-2.900	0.800	0.000	0.704	0.000	1708	40.35	71.1	334.862857	391.959861	146.689335	39.070406	0
7.00E-01	-2.800	0.800	0.000	0.709	0.000	1741	41.482	44.1	318.5	377.568276	131.638095	45.954495	0
7.00E-01	-2.800	0.800	0.000	0.719	0.000	1376	41.61	8.9	318.5	363.176691	112.590476	49	0
6.00E-01	-2.800	0.700	0.000	0.639	0.000	1353	41.489	6.1	319.482979	348.785106	93.542857	49	0
5.00E-01	-2.800	0.500	0.000	0.472	0.000	1345	40.99	21.2	324.608772	332.916139	74.495238	47.625293	0
5.00E-01	-2.900	0.500	0.000	0.475	0.000	1328	40.99	12	316.684821	315.354207	67.502141	44.298109	0
4.00E-01	-3.000	0.400	0.000	0.383	0.000	1328	40.54	0.7	315.761302	297.792274	66.746663	39.580233	0
4.00E-01	-3.000	0.400	0.000	0.384	0.000	1310	40.37	0	315.5	280.230341	65.991186	34.819767	0
4.00E-01	-3.000	0.400	0.000	0.386	0.000	1298	39.74	0	299.879051	267.786639	65.235709	29.534641	0
4.00E-01	-3.000	0.400	0.000	0.388	0.000	1303	39.74	18.4	314.423656	263.382111	69.3114	24.940022	0
4.00E-01	-3.000	0.400	0.000	0.393	0.000	1299	39.291	34.9	314.1	258.977584	75.577971	22.519481	0
4.00E-01	-3.000	0.400	0.000	0.388	0.000	1300	39.12	41.9	313.311957	254.573056	81.844541	20.492598	0
4.00E-01	-3.000	0.400	0.000	0.384	0.000	1305	39.12	51.1	288.749881	256.626921	88.111111	18.971326	0
4.00E-01	-2.900	0.400	0.000	0.379	0.000	1303	39.12	53.8	311.9	272.094371	98.662255	17.783063	0
4.00E-01	-2.900	0.400	0.000	0.374	0.000	1304	39.12	57.2	311.496489	287.561821	112.877941	17	0
5.00E-01	-2.900	0.500	0.000	0.461	0.300	1311	39.679	82.1	310.607037	303.029271	127.093627	18.88664	0

0.05502	0.00862	1.08789	1877.696
0.0551	0.00862	1.09013	1885.377
0.05517	0.00862	1.09272	1891.907
0.05523	0.00862	1.09525	1897.774
0.05529	0.00862	1.09725	1903.302
0.05536	0.00862	1.0993	1909.723
0.05543	0.00862	1.10196	1917.253
0.05548	0.00862	1.10297	1922.695
0.05552	0.00862	1.10359	1927.146
0.05556	0.00862	1.10498	1930.905
0.05559	0.00862	1.10677	1934.275
0.05562	0.00862	1.10844	1937.508
0.05565	0.00865	1.10996	1940.637
0.05568	0.00869	1.11114	1943.656
0.05571	0.00872	1.11254	1946.425
0.05574	0.00874	1.11374	1949.324
0.05577	0.00875	1.11469	1951.807
0.0558	0.00876	1.1157	1954.123
0.05582	0.00876	1.11665	1956.209
0.05584	0.00876	1.11771	1957.96
0.05586	0.00876	1.11849	1959.42
0.05588	0.00876	1.1197	1960.75
0.0559	0.00876	1.12098	1962.005
0.05591	0.00876	1.12195	1962.99
0.05592	0.00876	1.12312	1963.966
0.05594	0.00876	1.12397	1965.058
0.05596	0.00876	1.12436	1966.091
0.05598	0.00876	1.12793	1967.713
0.05601	0.00876	1.13418	1971.543
0.05605	0.00876	1.13983	1977.737
0.0561	0.00876	1.14356	1985.677
0.05616	0.00876	1.14562	1994.332
0.0562	0.00876	1.14656	1999.435
0.05622	0.00876	1.1467	2002.277
0.05624	0.00876	1.1467	2004.253
0.05626	0.00876	1.1467	2005.816
0.05627	0.00876	1.1467	2006.52
0.05628	0.00876	1.14693	2006.948
0.0563	0.00876	1.14855	2007.778
0.05632	0.00876	1.1493	2008.373
0.05633	0.00876	1.14948	2008.539
0.05634	0.00876	1.14997	2008.626
0.05635	0.00876	1.15092	2008.797
0.05636	0.00876	1.15306	2009.262
0.05637	0.00876	1.15566	2010.192
0.05638	0.00876	1.15847	2011.781
0.0564	0.00876	1.16202	2014.499

12:54:47.038	20	0.00004	0.00002	0.00493	4.933	0.000481	42
12:54:48.038	20	0.00006	0.00002	0.00634	8.008	0.000779	42.1
12:54:49.038	20	0.00005	0.00001	0.00349	6.73	0.000654	42.1
12:54:50.038	20	0.00003	0	0.00117	3.798	0.000369	43.2
12:54:51.038	20	0.00003	0	0.00136	3.373	0.000328	44.1
12:54:52.038	20	0.00003	0	0.00168	3.379	0.000329	44.2
12:54:53.038	20	0.00003	0	0.0016	3.481	0.000339	44.3
12:54:54.038	20	0.00003	0	0.00123	2.958	0.000288	45.1
12:54:55.038	20	0.00002	0	0.00065	2.397	0.000233	45.8
12:54:56.038	20	0.00003	0	0.00004	2.448	0.000238	44.4
12:54:57.038	20	0.00004	0.00002	0	2.147	0.000209	43.3
12:54:58.038	20	0.00002	0	0	0.403	0.000039	42.4
12:54:59.038	20	0.00001	0	0.00012	0.173	0.000017	41.7
12:55:00.038	20	0.00001	0	0.00071	0.182	0.000018	42
12:55:01.038	20	0.00001	0	0.00099	0.214	0.000021	42.3
12:55:02.038	20	0.00001	0	0.00198	0.443	0.000044	42.1
12:55:03.038	20	0.00001	0	0.00261	0.781	0.000077	41.9
12:55:04.038	20	0.00001	0	0.00282	1.279	0.000125	41.3
12:55:05.038	20	0.00001	0	0.00219	1.634	0.00016	40.7
12:55:06.038	20	0.00001	0	0.00092	1.567	0.000153	39.9
12:55:07.038	20	0.00001	0.00001	0.00065	1.42	0.000138	39.2
12:55:08.038	20	0.00001	0.00001	0.00098	1.439	0.00014	39.4
12:55:09.038	20	0.00001	0.00001	0.00128	1.65	0.000161	39.5
12:55:10.038	20	0.00001	0.00001	0.00122	1.726	0.000168	38.8
12:55:11.038	20	0.00001	0.00003	0.00123	1.891	0.000184	38.2
12:55:12.038	20	0.00002	0.00002	0.00189	2.287	0.000223	38.4
12:55:13.038	20	0.00002	0.00002	0.00121	2.411	0.000235	38.6
12:55:14.038	20	0.00001	0.00001	0.00141	2.346	0.000228	39.1
12:55:15.038	20	0.00001	0.00001	0.00109	2.485	0.000242	39.6
12:55:16.038	20	0.00002	0	0.00084	2.75	0.000268	39.3
12:55:17.038	20	0.00002	0.00001	0.00157	3.42	0.000333	39
12:55:18.038	20	0.00002	0.00001	0.00359	4.969	0.000483	39.5
12:55:19.038	20	0.00003	0	0.00348	5.956	0.000579	39.9
12:55:20.038	20	0.00002	0	0.00142	4.827	0.000469	40.9
12:55:21.038	20	0.00001	0	0.00041	3.42	0.000332	41.8
12:55:22.038	20	0.00001	0	0.00016	2.562	0.000249	42.3
12:55:23.038	20	0.00001	0	0.00005	2.237	0.000218	42.8
12:55:24.038	20	0.00001	0	0	1.873	0.000182	42.1
12:55:25.038	20	0	0	0.00166	1.829	0.000178	41.4
12:55:26.038	20	0	0	0.00193	2.03	0.000198	42.1
12:55:27.038	20	0	0	0.00144	2.185	0.000213	42.7
12:55:28.038	20	0	0	0.00079	1.952	0.00019	41.5
12:55:29.038	20	0	0.00002	0.00038	1.627	0.000158	40.4
12:55:30.038	20	0	0.00001	0.00015	1.144	0.000112	40.6
12:55:31.038	20	0	0.00001	0.00055	1.052	0.000103	40.7
12:55:32.038	20	0	0	0.00042	0.93	0.000091	40.6
12:55:33.038	20	0	0	0.00051	0.703	0.000069	40.5

6.00E-01	-2.900	0.700	0.000	0.624	1.000	1327	40.479	88.5	312.283333	319.361024	141.309314	22.799228	0
7.00E-01	-2.900	0.800	0.000	0.708	1.000	1363	41.373	82.9	309.390361	338.444806	156.707519	29.960396	0
8.00E-01	-2.900	0.900	0.000	0.795	0.300	1401	42.474	72.9	307.958267	357.528589	173.499499	48.843031	0
8.00E-01	-2.900	0.900	0.000	0.801	0.000	1407	42.85	60.6	307.5	376.612371	190.291479	56.493599	0
8.00E-01	-2.900	0.900	0.000	0.809	0.000	1412	42.85	62.6	348.274555	390.922926	207.083459	58	0
8.00E-01	-2.900	0.900	0.000	0.811	0.000	1421	43.046	70.4	305.684216	379.603981	203.433493	56.894892	0
8.00E-01	-3.000	0.900	0.000	0.812	0.000	1426	43.47	65.4	304.395423	368.285036	176.639234	56	0
8.00E-01	-3.000	0.900	0.000	0.809	0.000	1414	43.152	30	303.572674	356.966091	149.844976	55.729117	0
8.00E-01	-3.000	0.900	0.000	0.810	0.000	1384	42.85	9.5	319.781116	345.647146	123.050718	54.444286	0
8.00E-01	-2.900	0.900	0.000	0.824	0.200	1375	42.14	0	302.403507	325.058748	99.560151	53.070175	0
8.00E-01	-2.900	0.900	0.000	0.847	1.000	1349	41.504	2.5	301.510235	304.34826	84.197353	50.206287	0
7.00E-01	-3.000	0.700	0.000	0.683	0.400	1330	40.745	9	300.658589	283.637772	68.834554	43.283221	0
5.00E-01	-3.000	0.500	0.000	0.492	0.000	1300	39.938	13.1	287.389014	262.927284	53.471756	37.14	0
4.00E-01	-3.000	0.400	0.000	0.389	0.000	1294	39.19	19	296.432062	262.717804	39.800952	34.700119	0
4.00E-01	-3.000	0.400	0.000	0.389	0.000	1287	39.12	41.9	299.5	266.154558	53.610476	30.922742	0
4.00E-01	-3.000	0.400	0.000	0.386	0.000	1286	38.953	54.7	298.665529	269.591313	67.42	24.846591	0
4.00E-01	-3.000	0.400	0.000	0.381	0.000	1268	38.5	48.8	293.483066	273.028067	81.229524	19.44875	0
5.00E-01	-3.000	0.500	0.000	0.460	0.000	1266	38.5	36.5	293.436967	273.853332	95.039048	17.413095	0
5.00E-01	-3.000	0.500	0.000	0.461	0.000	1253	38.062	41.7	297.7345	273.32728	95.867775	19.522523	0
5.00E-01	-3.000	0.500	0.000	0.462	0.500	1249	37.88	48.4	296.943182	272.801227	94.548166	24.607101	0
6.00E-01	-3.000	0.600	0.000	0.557	1.000	1239	37.88	44.8	292.681571	272.275175	93.228556	27.196302	0
5.00E-01	-3.000	0.500	0.000	0.464	1.000	1240	37.332	44.1	294.012226	274.189113	91.93222	29	0
5.00E-01	-2.900	0.500	0.000	0.463	1.000	1246	37.26	51.2	296.1	277.321217	90.949902	29	0
5.00E-01	-2.900	0.500	0.000	0.462	1.400	1242	37.26	58.7	296.1	280.453322	89.967583	29.844048	0
5.00E-01	-2.900	0.500	0.000	0.460	2.800	1232	37.26	52.6	293.623329	283.585426	88.985265	30	0
5.00E-01	-2.900	0.500	0.000	0.458	2.000	1237	37.26	65.5	294.25155	286.782259	88.002947	30.526954	0
5.00E-01	-2.900	0.500	0.000	0.456	1.800	1248	37.785	68.5	295.9854	290.005788	87.540341	31.648352	0
5.00E-01	-2.900	0.500	0.000	0.453	1.000	1223	37.26	23.2	295.525562	293.229318	87.079299	32.763251	0
5.00E-01	-2.900	0.500	0.000	0.452	0.800	1248	37.26	55.7	296.151252	296.452847	86.618257	34.877791	0
5.00E-01	-2.900	0.500	0.000	0.455	0.200	1245	37.52	75	296.095006	307.552418	86.157215	37.179548	0
5.00E-01	-2.900	0.500	0.000	0.454	1.000	1262	38.191	86.6	295.130465	327.972545	101.556826	38	0
4.00E-01	-2.900	0.500	0.000	0.446	0.800	1284	38.905	90	294.7	348.392672	125.163543	38.374838	0
4.00E-01	-2.900	0.500	0.000	0.441	0.000	1316	39.645	91.3	294.7	368.812799	148.77026	40.220259	0
4.00E-01	-2.900	0.400	0.000	0.359	0.000	1335	40.561	63.9	326.785434	376.037064	172.376977	45.329545	0
4.00E-01	-2.900	0.400	0.000	0.355	0.000	1325	40.691	28.3	294	360.204823	172.124703	50.439506	0
4.00E-01	-2.900	0.400	0.000	0.359	0.000	1326	40.37	28.3	293.448358	344.372582	152.351437	51.458027	0
3.00E-01	-3.000	0.300	0.000	0.281	0.000	1331	40.37	36.4	295.258217	328.540341	132.57817	51	0
2.00E-01	-3.000	0.200	0.000	0.191	0.000	1330	40.37	55.2	300.06247	318.694591	112.804904	49.112172	0
0.00E+00	-3.100	0.000	0.000	0.006	0.000	1331	40.37	53.4	292.306337	313.766707	105.395429	43.787463	0
0.00E+00	-3.100	0.000	0.000	0.000	0.000	1320	40.37	41.6	291.485375	308.838822	101.95478	38.482024	0
0.00E+00	-3.100	0.000	0.000	0.000	0.000	1333	40.37	27.4	291.3	303.910937	98.514131	38	0
0.00E+00	-3.100	0.000	0.000	0.000	0.500	1312	39.74	15.1	293.848667	296.401361	95.073482	38	0
0.00E+00	-3.100	0.000	0.000	0.000	2.000	1289	39.74	20.9	290	284.836735	90.949754	38	0
0.00E+00	-3.100	0.000	0.000	0.000	1.800	1279	39.29	4.5	290	273.272109	86.516256	37.517815	0
0.00E+00	-3.100	0.000	0.000	0.000	1.000	1265	38.5	5.8	287.841815	261.707483	82.082759	36.140244	0
0.00E+00	-3.300	0.000	0.000	0.000	0.000	1268	38.5	32.6	277.480488	255.944041	77.649261	33.863375	0
0.00E+00	-3.300	0.000	0.000	0.000	0.000	1263	38.218	41.5	288.6	258.191758	79.089972	32.030303	0

0.05644	0.00878	1.16695	2019.432
0.0565	0.0088	1.17329	2027.44
0.05655	0.00881	1.17678	2034.17
0.05658	0.00881	1.17795	2037.968
0.05661	0.00881	1.17931	2041.341
0.05664	0.00881	1.18099	2044.72
0.05667	0.00881	1.18259	2048.201
0.0567	0.00881	1.18382	2051.159
0.05672	0.00881	1.18447	2053.556
0.05675	0.00881	1.18451	2056.004
0.05679	0.00883	1.18451	2058.151
0.05681	0.00883	1.18451	2058.554
0.05682	0.00883	1.18463	2058.727
0.05683	0.00883	1.18534	2058.909
0.05684	0.00883	1.18633	2059.123
0.05685	0.00883	1.18831	2059.566
0.05686	0.00883	1.19092	2060.347
0.05687	0.00883	1.19374	2061.626
0.05688	0.00883	1.19593	2063.26
0.05689	0.00883	1.19685	2064.827
0.0569	0.00884	1.1975	2066.247
0.05691	0.00885	1.19848	2067.686
0.05692	0.00886	1.19976	2069.336
0.05693	0.00887	1.20098	2071.062
0.05694	0.0089	1.20221	2072.953
0.05696	0.00892	1.2041	2075.24
0.05698	0.00894	1.20531	2077.651
0.05699	0.00895	1.20672	2079.997
0.057	0.00896	1.20781	2082.482
0.05702	0.00896	1.20865	2085.232
0.05704	0.00897	1.21022	2088.652
0.05706	0.00898	1.21381	2093.621
0.05709	0.00898	1.21729	2099.577
0.05711	0.00898	1.21871	2104.404
0.05712	0.00898	1.21912	2107.824
0.05713	0.00898	1.21928	2110.386
0.05714	0.00898	1.21933	2112.623
0.05715	0.00898	1.21933	2114.496
0.05715	0.00898	1.22099	2116.325
0.05715	0.00898	1.22292	2118.355
0.05715	0.00898	1.22436	2120.54
0.05715	0.00898	1.22515	2122.492
0.05715	0.009	1.22553	2124.119
0.05715	0.00901	1.22568	2125.263
0.05715	0.00902	1.22623	2126.315
0.05715	0.00902	1.22665	2127.245
0.05715	0.00902	1.22716	2127.948

12:55:34.038	20	0	0	0.00145	0.771	0.000075	39.8
12:55:35.038	20	0	0	0.00236	1.089	0.000107	39.2
12:55:36.038	20	0	0	0.00172	1.327	0.00013	39
12:55:37.038	20	0	0.00001	0.00104	1.494	0.000146	38.8
12:55:38.038	20	0	0.00001	0.00125	1.621	0.000158	39.7
12:55:39.038	20	0	0.00002	0.00119	1.609	0.000157	40.5
12:55:40.038	20	0	0.00002	0.00117	1.959	0.000191	39.8
12:55:41.038	20	0	0.00002	0.00158	2.378	0.000232	39.2
12:55:42.038	20	0	0.00003	0.0033	3.479	0.000339	39.6
12:55:43.038	20	0	0.00001	0.00436	5.166	0.000503	39.9
12:55:44.038	20	0	0	0.00377	6.547	0.000636	40.7
12:55:45.038	20	0	0	0.00209	5.836	0.000567	41.4
12:55:46.038	20	0	0	0.00076	4.12	0.0004	42.2
12:55:47.038	20	0	0	0.00036	3.063	0.000298	42.8
12:55:48.038	20	0	0	0.00087	2.751	0.000268	42.6
12:55:49.038	20	0	0	0.00167	3.125	0.000304	42.5
12:55:50.038	20	0	0	0.00133	3.538	0.000344	42.6
12:55:51.038	20	0	0.00001	0.0014	3.978	0.000387	42.6
12:55:52.038	20	0	0	0.00134	4.043	0.000393	42.9
12:55:53.038	20	0	0	0.00112	4.026	0.000391	43.2
12:55:54.038	20	0	0	0.00105	4.201	0.000408	44.3
12:55:55.038	20	0	0	0.00141	4.031	0.000392	45.2
12:55:56.038	20	0	0	0.0012	3.828	0.000372	45.1
12:55:57.038	20	0	0	0.00109	3.582	0.000348	45.1
12:55:58.038	20	0	0	0.00103	3.252	0.000316	45
12:55:59.038	20	0	0.00001	0.00095	3.216	0.000313	45
12:56:00.038	20	0	0.00003	0.00054	3.327	0.000324	45.5
12:56:01.038	20	0	0.00002	0.00146	3.218	0.000313	45.9
12:56:02.038	20	0	0	0.00142	2.762	0.000269	45
12:56:03.038	20	0	0	0.00059	2.477	0.000241	44.2
12:56:04.038	20	0	0	0.0003	1.99	0.000194	43.8
12:56:05.038	20	0	0.00001	0.00081	1.914	0.000187	43.4
12:56:06.038	20	0	0.00001	0.00126	2.063	0.000201	43.3
12:56:07.038	20	0	0.00001	0.00172	2.3	0.000224	43.3
12:56:08.038	20	0	0.00001	0.00242	2.468	0.000241	43.2
12:56:09.038	20	0	0.00001	0.00221	2.701	0.000263	43.2
12:56:10.038	20	0	0	0.00149	2.903	0.000283	43.2
12:56:11.038	20	0	0.00001	0.00089	2.284	0.000223	43.2
12:56:12.038	20	0	0.00001	0.00223	2.598	0.000253	43.4
12:56:13.038	20	0	0	0.00195	2.896	0.000282	43.6
12:56:14.038	20	0	0	0.00178	3.012	0.000293	43.4
12:56:15.038	20	0	0.00001	0.00166	3.205	0.000312	43.2
12:56:16.038	20	0	0	0.00175	3.638	0.000354	43.4
12:56:17.038	20	0.00001	0	0.00182	3.938	0.000383	43.6
12:56:18.038	20	0.00001	0	0.00141	3.987	0.000388	44
12:56:19.038	20	0.00001	0	0.00122	4.035	0.000392	44.4
12:56:20.038	20	0.00001	0	0.00104	3.486	0.000339	44.2

0.00E+00	-3.300	-0.100	0.000	0.000	0.000
0.00E+00	-3.300	0.000	0.000	0.000	0.000
0.00E+00	-3.200	0.000	0.000	0.000	0.000
0.00E+00	-3.200	0.000	0.000	0.000	1.000
0.00E+00	-3.200	0.000	0.000	0.000	1.200
0.00E+00	-3.200	0.000	0.000	0.000	2.000
0.00E+00	-3.200	0.000	0.000	0.000	2.000
0.00E+00	-3.200	0.000	0.000	0.000	2.000
0.00E+00	-3.200	0.000	0.000	0.000	2.000
0.00E+00	-3.200	0.000	0.000	0.000	0.600
0.00E+00	-3.100	0.000	0.000	0.000	0.000
0.00E+00	-3.000	0.000	0.000	0.000	0.000
1.00E-01	-3.000	0.100	0.000	0.079	0.000
1.00E-01	-3.000	0.100	0.000	0.090	0.000
0.00E+00	-3.000	0.000	0.000	0.010	0.000
0.00E+00	-3.000	0.000	0.000	0.000	0.000
0.00E+00	-3.000	0.000	0.000	0.000	0.000
0.00E+00	-3.000	0.000	0.000	0.000	1.000
0.00E+00	-3.000	0.000	0.000	0.000	0.300
0.00E+00	-3.000	0.000	0.000	0.000	0.000
0.00E+00	-3.000	0.000	0.000	0.000	0.000
0.00E+00	-3.000	0.000	0.000	0.000	0.000
0.00E+00	-3.000	0.000	0.000	0.000	0.000
0.00E+00	-3.000	0.000	0.000	0.000	0.000
0.00E+00	-3.000	0.000	0.000	0.000	0.400
0.00E+00	-3.000	0.000	0.000	0.000	1.000
0.00E+00	-3.000	0.000	0.000	0.000	2.000
0.00E+00	-3.100	0.000	0.000	0.000	1.800
0.00E+00	-3.100	0.000	0.000	0.000	0.400
1.00E-01	-3.000	0.100	0.000	0.091	0.000
1.00E-01	-3.000	0.100	0.000	0.092	0.000
0.00E+00	-3.100	0.000	0.000	0.006	0.500
0.00E+00	-3.100	0.000	0.000	0.000	1.000
0.00E+00	-3.100	0.000	0.000	0.000	1.000
0.00E+00	-3.100	0.000	0.000	0.000	1.000
1.00E-01	-3.100	0.100	0.000	0.079	1.000
1.00E-01	-3.100	0.100	0.000	0.091	0.000
1.00E-01	-3.100	0.100	0.000	0.092	1.000
1.00E-01	-3.100	0.100	0.000	0.091	0.800
1.00E-01	-3.100	0.100	0.000	0.091	0.000
1.00E-01	-3.000	0.100	0.000	0.091	0.400
1.00E-01	-3.000	0.100	0.000	0.091	1.000
1.00E-01	-3.000	0.100	0.000	0.090	0.000
2.00E-01	-3.000	0.200	0.000	0.172	0.000
2.00E-01	-3.000	0.200	0.000	0.179	0.000
2.00E-01	-3.000	0.200	0.000	0.179	0.000
2.00E-01	-3.000	0.200	0.000	0.179	0.000

1255	37.88	39.7	288.6	260.439476	84.010309	28.192584	0
1260	37.88	48.6	288.01518	262.687193	88.930647	25.4834	0
1261	37.88	49	276.334884	264.650144	93.850984	24.19084	0
1258	37.88	47.7	287.702386	264.986683	96.369369	24.986079	0
1259	37.88	47.9	287.2	265.323221	94.617618	25	0
1249	37.88	24.3	287.2	265.65976	92.865866	25.263538	0
1275	37.88	38.6	278.582087	265.996298	91.114114	26.539638	0
1267	38.5	72.7	286.5	291.595458	101.688073	27.008611	0
1284	38.775	85.3	286.5	317.475598	133.798165	28	0
1309	39.571	92.2	286.5	343.355738	165.908257	28.973872	0
1337	40.525	83.3	317.265882	362.088921	198.018349	33.767828	0
1354	40.99	51.4	286.848444	361.301313	197.9785	41.284444	0
1362	40.99	54.5	286.688533	360.513704	181.2285	45.037333	0
1361	41.608	65.2	286.5	359.726096	164.4785	47.482599	0
1360	41.61	58.1	309.025557	360.026875	147.7285	47	0
1364	41.61	64	286.161641	361.61048	135.558042	46.321625	0
1372	41.61	73.4	286.038785	363.194085	125.767832	44.542529	0
1380	42.132	77.5	285.8	364.77769	115.977622	44	0
1399	42.278	70.1	324.319095	366.228342	106.187413	44	0
1413	42.85	68.4	285.062942	367.006174	99.106579	44	0
1425	43.082	74.3	284.5	367.784006	96.678806	44.129762	0
1435	43.47	71.1	284.922958	368.561838	94.251032	44.62166	0
1440	43.47	69.2	322.47984	369.074646	91.823258	44	0
1445	44.026	63.1	284.539014	364.655931	89.293617	44.868949	0
1437	43.47	49.2	285.103252	360.237216	86.456738	45	0
1441	43.47	61.7	284.731836	355.818502	83.619858	44	0
1441	43.47	53.8	304.633375	351.399787	80.782979	43.612984	0
1431	43.47	34.3	292.303673	344.1425	78	42.394048	0
1423	43.47	34	285.253407	336.257885	78	42	0
1417	42.85	52.6	285.245783	328.373269	78	41.12892	0
1405	42.85	49.7	291.876155	320.488654	78	40.640252	0
1396	42.445	47.8	292.098471	318.364723	78	38.594878	0
1399	42.23	62.8	286.301959	319.221662	79.022619	37.469055	0
1391	42.23	69.4	286.5	320.0786	80.213095	36.241656	0
1385	42.23	53.9	288.571536	320.935539	81.403571	33.175862	0
1382	41.968	54.6	297.643259	321.311476	82.594048	33.178359	0
1385	41.61	62	286.861641	321.118193	85.388258	34.336235	0
1379	41.61	64.4	287.2	320.924909	89.012322	35	0
1376	41.61	52.5	287.77759	320.731626	92.636386	34.231051	0
1377	41.61	61.2	300.742285	322.737431	96.260449	33.01171	0
1380	41.858	67.1	288.086645	329.43784	96.684211	34	0
1383	42.23	67.7	288.6	336.13825	94.153846	34	0
1390	42.23	73.1	289.15159	342.83866	91.623482	34	0
1395	42.23	71.2	317.538636	348.4	89.093117	35.660377	0
1402	42.55	70.2	290	348.4	86.494095	37.2625	0
1410	42.85	70.9	290	348.4	83.842854	38	0
1407	42.85	47.8	289.404429	348.4	81.191612	38.658824	0

0.05715	0.00902	1.22861	2128.719
0.05715	0.00902	1.23097	2129.808
0.05715	0.00902	1.23269	2131.135
0.05715	0.00903	1.23373	2132.629
0.05715	0.00904	1.23498	2134.25
0.05715	0.00906	1.23617	2135.859
0.05715	0.00908	1.23734	2137.818
0.05715	0.0091	1.23892	2140.196
0.05715	0.00913	1.24222	2143.675
0.05715	0.00914	1.24658	2148.841
0.05715	0.00914	1.25035	2155.388
0.05715	0.00914	1.25244	2161.224
0.05715	0.00914	1.2532	2165.344
0.05715	0.00914	1.25356	2168.407
0.05715	0.00914	1.25443	2171.158
0.05715	0.00914	1.2561	2174.283
0.05715	0.00914	1.25743	2177.821
0.05715	0.00915	1.25883	2181.799
0.05715	0.00915	1.26017	2185.842
0.05715	0.00915	1.26129	2189.868
0.05715	0.00915	1.26234	2194.069
0.05715	0.00915	1.26375	2198.1
0.05715	0.00915	1.26495	2201.928
0.05715	0.00915	1.26604	2205.51
0.05715	0.00915	1.26707	2208.762
0.05715	0.00916	1.26802	2211.978
0.05715	0.00919	1.26856	2215.305
0.05715	0.00921	1.27002	2218.523
0.05715	0.00921	1.27144	2221.285
0.05715	0.00921	1.27203	2223.762
0.05715	0.00921	1.27233	2225.752
0.05715	0.00922	1.27314	2227.666
0.05715	0.00923	1.2744	2229.729
0.05715	0.00924	1.27612	2232.029
0.05715	0.00925	1.27854	2234.497
0.05715	0.00926	1.28075	2237.198
0.05715	0.00926	1.28224	2240.101
0.05715	0.00927	1.28313	2242.385
0.05715	0.00928	1.28536	2244.983
0.05715	0.00928	1.28731	2247.879
0.05715	0.00928	1.28909	2250.891
0.05715	0.00929	1.29075	2254.096
0.05715	0.00929	1.2925	2257.734
0.05716	0.00929	1.29432	2261.672
0.05717	0.00929	1.29573	2265.659
0.05718	0.00929	1.29695	2269.694
0.05719	0.00929	1.29799	2273.18

12:56:21.038	20	0.00001	0	0.00095	3.076	0.000299	44
12:56:22.038	20	0.00001	0.00001	0.00068	2.6	0.000253	44.2
12:56:23.038	20	0.00001	0.00002	0.0005	2.23	0.000217	44.3
12:56:24.038	20	0.00001	0.00003	0.00095	2.047	0.0002	44
12:56:25.038	20	0.00001	0.00003	0.00114	1.823	0.000178	43.7
12:56:26.038	20	0.00001	0.00002	0.00115	1.747	0.00017	43.6
12:56:27.038	20	0.00001	0.00002	0.00082	1.708	0.000167	43.6
12:56:28.038	20	0.00001	0.00001	0.00072	1.528	0.000149	43
12:56:29.038	20	0.00001	0	0.00141	1.716	0.000167	42.5
12:56:30.038	20	0.00001	0.00001	0.0027	2.249	0.000219	43
12:56:31.038	20	0.00001	0.00001	0.00249	2.761	0.000269	43.4
12:56:32.038	20	0.00001	0	0.0023	3.184	0.00031	43.9
12:56:33.038	20	0.00001	0	0.00158	3.337	0.000325	44.3
12:56:34.038	20	0.00001	0.00001	0.00111	2.901	0.000282	44.7
12:56:35.038	20	0.00001	0.00002	0.00118	2.634	0.000256	45
12:56:36.038	20	0.00001	0.00002	0.00121	2.273	0.000221	45.6
12:56:37.038	20	0.00001	0.00002	0.00056	1.82	0.000177	46.1
12:56:38.038	20	0.00001	0.00001	0.00014	1.492	0.000145	45.6
12:56:39.038	20	0.00001	0.00001	0.00087	1.36	0.000133	45.1
12:56:40.038	20	0.00001	0	0.00215	1.484	0.000145	45.4
12:56:41.038	20	0.00001	0	0.00271	1.868	0.000182	45.7
12:56:42.038	20	0.00001	0	0.0023	2.15	0.00021	46
12:56:43.038	20	0.00001	0.00001	0.00129	2.169	0.000212	46.3
12:56:44.038	20	0.00001	0.00002	0.00128	2.077	0.000203	46.7
12:56:45.038	20	0.00001	0.00002	0.00127	1.93	0.000188	47.1
12:56:46.038	20	0.00001	0.00003	0.00104	1.836	0.000179	47
12:56:47.038	20	0.00001	0.00003	0.00058	1.556	0.000152	47
12:56:48.038	20	0.00001	0.00002	0.0002	1.214	0.000118	47.5
12:56:49.038	20	0.00001	0	0.00076	0.981	0.000096	47.9
12:56:50.038	20	0.00001	0	0.00071	0.972	0.000095	46.9
12:56:51.038	20	0.00002	0	0.00027	1.199	0.000117	46.1
12:56:52.038	20	0.00003	0	0	0.517	0.00005	47
12:56:53.038	20	0.00002	0	0.00028	0.194	0.000022	47.8
12:56:54.038	20	0.00001	0	0.00095	0.092	0.000016	47.5
12:56:55.038	20	0.00001	0	0.00098	0.142	0.000014	47.2
12:56:56.038	20	0.00001	0	0.00207	0.344	0.000034	47.1
12:56:57.038	20	0.00001	0	0.00234	0.677	0.000066	47.1
12:56:58.038	20	0.00001	0	0.0022	1.032	0.000101	47.6
12:56:59.038	20	0.00001	0	0.0019	1.344	0.000131	48
12:57:00.038	20	0.00001	0.00002	0.00105	1.419	0.000139	47.9
12:57:01.038	20	0.00001	0.00003	0.00088	1.383	0.000135	47.9
12:57:02.038	20	0.00001	0.00003	0.00097	1.296	0.000127	47.5
12:57:03.038	20	0.00001	0.00002	0.00108	1.129	0.00011	47.2
12:57:04.038	20	0.00001	0.00001	0.00079	0.811	0.000079	47
12:57:05.038	20	0.00002	0	0.00048	0.729	0.000071	46.8
12:57:06.038	20	0.00001	0	0.00073	0.467	0.000046	47.1
12:57:07.038	20	0.00001	0	0.00093	0.405	0.00004	47.4

2.00E-01	-3.100	0.200	0.000	0.179	0.000
2.00E-01	-3.100	0.200	0.000	0.181	0.600
2.00E-01	-3.100	0.200	0.000	0.183	1.700
2.00E-01	-3.200	0.200	0.000	0.184	3.000
2.00E-01	-3.200	0.200	0.000	0.185	3.000
2.00E-01	-3.200	0.200	0.000	0.185	2.300
2.00E-01	-3.200	0.200	0.000	0.185	2.000
2.00E-01	-3.300	0.200	0.000	0.187	1.300
2.00E-01	-3.300	0.200	0.000	0.187	0.300
2.00E-01	-3.300	0.200	0.000	0.185	0.600
2.00E-01	-3.300	0.200	0.000	0.183	0.800
3.00E-01	-3.300	0.300	0.000	0.263	0.000
3.00E-01	-3.300	0.300	0.000	0.271	0.400
3.00E-01	-3.300	0.300	0.000	0.272	1.000
3.00E-01	-3.300	0.300	0.000	0.272	2.000
3.00E-01	-3.300	0.300	0.000	0.274	2.000
3.00E-01	-3.300	0.300	0.000	0.277	2.000
3.00E-01	-3.300	0.300	0.000	0.280	1.600
3.00E-01	-3.400	0.300	0.000	0.282	0.800
3.00E-01	-3.500	0.300	0.000	0.283	0.000
3.00E-01	-3.500	0.300	0.000	0.280	0.000
3.00E-01	-3.500	0.300	0.000	0.277	0.200
3.00E-01	-3.500	0.300	0.000	0.277	1.000
4.00E-01	-3.500	0.400	0.000	0.369	2.400
4.00E-01	-3.500	0.400	0.000	0.370	2.300
4.00E-01	-3.500	0.400	0.000	0.371	3.000
4.00E-01	-3.500	0.400	0.000	0.374	3.000
4.00E-01	-3.500	0.400	0.000	0.377	1.800
4.00E-01	-3.500	0.400	0.000	0.380	0.400
4.00E-01	-3.500	0.400	0.000	0.382	0.000
4.00E-01	-3.500	0.400	0.000	0.386	0.000
4.00E-01	-3.500	0.400	0.000	0.390	0.000
3.00E-01	-3.500	0.300	0.000	0.306	0.000
3.00E-01	-3.500	0.300	0.000	0.297	0.000
3.00E-01	-3.500	0.300	0.000	0.297	0.000
3.00E-01	-3.500	0.300	0.000	0.291	0.000
3.00E-01	-3.400	0.300	0.000	0.288	0.000
4.00E-01	-3.400	0.400	0.000	0.380	0.000
5.00E-01	-3.400	0.500	0.000	0.461	0.000
5.00E-01	-3.400	0.500	0.000	0.469	2.100
5.00E-01	-3.400	0.500	0.000	0.468	3.000
5.00E-01	-3.400	0.500	0.000	0.469	3.000
5.00E-01	-3.400	0.500	0.000	0.471	2.400
5.00E-01	-3.400	0.500	0.000	0.475	1.800
5.00E-01	-3.400	0.500	0.000	0.479	0.400
5.00E-01	-3.400	0.500	0.000	0.482	0.000
4.00E-01	-3.400	0.400	0.000	0.396	0.000

1402	42.85	47.4	316.801429	346.415139	78.540371	39.8875	0
1399	42.85	44.2	290	337.351848	76.565691	39.915318	0
1407	42.85	44.6	289.603947	328.288557	75.529153	39	0
1408	42.85	52.7	289.858333	319.225266	74.492615	38.392857	0
1399	42.715	31.1	299.492	310.752881	73.456077	36.112676	0
1390	42.23	20.2	289.712222	303.886267	74.291976	34.766667	0
1387	42.23	39.7	289.3	297.019653	76.599077	33.635294	0
1390	42.23	49.9	289.3	290.153039	78.906178	33	0
1396	42.23	57.2	288.425205	290.241312	81.213279	31.285714	0
1409	42.581	67.2	289.3	298.235567	82.474328	28	0
1426	43.347	69.5	289.3	306.229823	83.194098	28	0
1427	43.47	47.5	289.3	314.224079	83.913868	28	0
1440	43.608	52.2	301.944628	317.661331	84.633637	30.9625	0
1441	44.09	48.5	289.09	309.941785	83.901293	33	0
1441	44.09	31.4	288.6	302.222238	81.6636	33.164706	0
1445	44.09	22.8	288.6	294.502691	79.425908	34	0
1444	44.09	23.4	287.970886	287.181306	77.188215	34	0
1451	44.09	35.7	288.36202	286.835114	77.34384	33	0
1464	44.378	54.4	288.134884	286.488922	80.209169	32.552941	0
1474	44.71	56.2	288.123242	286.14273	83.074499	29.379023	0
1482	45.253	49.5	286.982942	285.785247	85.939828	27	0
1487	45.33	44.6	287.260067	284.309925	87.689503	26.092105	0
1499	45.498	43.6	287.8	282.834603	86.58453	27.022646	0
1525	45.95	46.7	287.465898	281.359281	85.479558	28	0
1509	45.95	29.6	284.302402	277.47263	84.374586	28	0
1511	45.95	23.4	286.5	267.446496	83.369425	29	0
1510	45.95	24.6	286.5	257.420361	82.415454	28.662413	0
1504	45.95	13.4	286.007468	247.394227	81.461483	28	0
1489	45.95	4.9	263.969202	237.305719	80.507513	28	0
1495	45.95	0.2	285.620399	226.425152	73.639733	26.876667	0
1490	45.95	0	285.2	215.544585	60.049419	25.751765	0
1488	45.486	0	285.2	204.664018	46.459106	24.038615	0
1485	45.33	8.4	241.557054	195.532661	32.868792	20.709637	0
1499	45.33	19.1	283.8	199.108375	30.915691	17.933551	0
1502	45.586	30.7	283.54686	202.684089	44.967213	16.83216	0
1507	45.95	35.2	282.777857	206.259803	59.018735	15.654394	0
1510	45.95	34.4	254.508563	209.835517	73.070258	15	0
1509	45.95	32.7	279.074534	212.636562	84.843117	14.255543	0
1515	45.95	34.6	280.3	215.400254	83.804156	14.964198	0
1515	45.95	35.7	279.943341	218.163945	82.765195	18.782927	0
1507	45.95	23.9	255.335776	220.823944	81.726234	21.237037	0
1500	45.858	13.4	278.2223	213.21831	79.890323	23.860027	0
1485	45.33	8.4	277.429231	205.612676	76.203687	24.947053	0
1465	45.33	1.7	276.082222	198.007042	72.517051	25.117034	0
1472	44.98	2.5	253.226188	190.401408	68.830415	25.69797	0
1432	44.71	2.7	262.312808	186.459184	65.143779	24.476135	0
1453	44.222	11.8	273.679452	183.738095	65	23.421156	0

0.0572	0.00929	1.29894	2276.256
0.05721	0.0093	1.29962	2278.856
0.05722	0.00932	1.30012	2281.086
0.05723	0.00935	1.30107	2283.133
0.05724	0.00938	1.30221	2284.956
0.05725	0.0094	1.30336	2286.703
0.05726	0.00942	1.30418	2288.411
0.05727	0.00943	1.3049	2289.939
0.05728	0.00943	1.30631	2291.655
0.05729	0.00944	1.30901	2293.904
0.0573	0.00945	1.3115	2296.665
0.05731	0.00945	1.3138	2299.849
0.05732	0.00945	1.31538	2303.186
0.05733	0.00946	1.31649	2306.087
0.05734	0.00948	1.31767	2308.721
0.05735	0.0095	1.31888	2310.994
0.05736	0.00952	1.31944	2312.814
0.05737	0.00953	1.31958	2314.306
0.05738	0.00954	1.32045	2315.666
0.05739	0.00954	1.3226	2317.15
0.0574	0.00954	1.32531	2319.018
0.05741	0.00954	1.32761	2321.168
0.05742	0.00955	1.3289	2323.337
0.05743	0.00957	1.33018	2325.414
0.05744	0.00959	1.33145	2327.344
0.05745	0.00962	1.33249	2329.18
0.05746	0.00965	1.33307	2330.736
0.05747	0.00967	1.33327	2331.95
0.05748	0.00967	1.33403	2332.931
0.05749	0.00967	1.33474	2333.903
0.05751	0.00967	1.33501	2335.102
0.05754	0.00967	1.33501	2335.619
0.05756	0.00967	1.33529	2335.813
0.05757	0.00967	1.33624	2335.905
0.05758	0.00967	1.33722	2336.047
0.05759	0.00967	1.33929	2336.391
0.0576	0.00967	1.34163	2337.068
0.05761	0.00967	1.34383	2338.1
0.05762	0.00967	1.34573	2339.444
0.05763	0.00969	1.34678	2340.863
0.05764	0.00972	1.34766	2342.246
0.05765	0.00975	1.34863	2343.542
0.05766	0.00977	1.34971	2344.671
0.05767	0.00978	1.3505	2345.482
0.05769	0.00978	1.35098	2346.211
0.0577	0.00978	1.35171	2346.678
0.05771	0.00978	1.35264	2347.083

12:57:08.038	20	0.00001	0	0.00104	0.374	0.000037	47
12:57:09.038	20	0.00001	0	0.00107	0.382	0.000037	46.6
12:57:10.038	20	0.00001	0	0.00128	0.454	0.000044	46
12:57:11.038	20	0.00001	0	0.00149	0.465	0.000046	45.5
12:57:12.038	20	0.00001	0	0.0016	0.649	0.000064	45.7
12:57:13.038	20	0.00001	0	0.00312	1.212	0.000119	45.8
12:57:14.038	20	0.00002	0.00001	0.00355	2.069	0.000202	45.4
12:57:15.038	20	0.00002	0.00003	0.00383	2.984	0.000291	45
12:57:16.038	20	0.00003	0.00002	0.00365	3.985	0.000388	45.2
12:57:17.038	20	0.00003	0	0.00259	4.233	0.000412	45.3
12:57:18.038	20	0.00003	0	0.0013	3.635	0.000353	45.9
12:57:19.038	20	0.00003	0	0.00105	3.191	0.00031	46.4
12:57:20.038	20	0.00003	0.00001	0.00058	2.848	0.000277	46.2
12:57:21.038	20	0.00003	0.00002	0.00056	2.74	0.000267	46
12:57:22.038	20	0.00003	0.00004	0.00095	2.728	0.000266	45.8
12:57:23.038	20	0.00003	0.00003	0.00162	3.027	0.000295	45.6
12:57:24.038	20	0.00003	0.00001	0.00233	3.429	0.000334	46.1
12:57:25.038	20	0.00003	0.00001	0.00213	3.685	0.000359	46.6
12:57:26.038	20	0.00003	0.00001	0.00135	3.602	0.00035	46.8
12:57:27.038	20	0.00003	0.00001	0.00107	3.412	0.000332	47
12:57:28.038	20	0.00003	0.00001	0.0008	3.13	0.000305	45.6
12:57:29.038	20	0.00003	0.00001	0.00056	2.746	0.000267	44.5
12:57:30.038	20	0.00002	0.00003	0.00105	2.367	0.000231	45.2
12:57:31.038	20	0.00002	0.00002	0.0007	2.041	0.000199	45.8
12:57:32.038	20	0.00002	0.00002	0.00031	1.858	0.000181	44.5
12:57:33.038	20	0.00002	0.00003	0.00054	1.918	0.000187	43.3
12:57:34.038	20	0.00002	0.00002	0.0012	1.75	0.000171	44.5
12:57:35.038	20	0.00002	0	0.00178	1.963	0.000192	45.5
12:57:36.038	20	0.00001	0	0.00187	2.076	0.000202	44.3
12:57:37.038	20	0.00002	0	0.00093	1.876	0.000183	43.2
12:57:38.038	20	0.00002	0.00002	0.00027	1.768	0.000172	43.1
12:57:39.038	20	0.00002	0.00001	0	1.22	0.000119	43
12:57:40.038	20	0.00002	0	0	0.679	0.000066	42.9
12:57:41.038	20	0.00002	0	0.00146	0.834	0.000082	42.8
12:57:42.038	20	0.00002	0	0.00398	1.566	0.000153	42.9
12:57:43.038	20	0.00001	0	0.0029	2.121	0.000207	42.9
12:57:44.038	20	0.00002	0	0.00172	2.245	0.000219	42.9
12:57:45.038	20	0.00002	0.00001	0.00097	1.949	0.00019	42.9
12:57:46.038	20	0.00002	0.00002	0.00043	1.389	0.000135	42.7
12:57:47.038	20	0.00001	0.00001	0.00011	0.941	0.000092	42.5
12:57:48.038	20	0.00001	0.00001	0.00009	0.644	0.000063	39.6
12:57:49.038	20	0.00001	0.00001	0.00002	0.551	0.000054	37.2
12:57:50.038	20	0.00002	0	0.00023	0.434	0.000042	36.1
12:57:51.038	20	0.00002	0	0.0006	0.336	0.000033	35.1
12:57:52.038	20	0.00001	0	0.00195	0.577	0.000057	35.3
12:57:53.038	20	0.00001	0	0.00353	1.412	0.000138	35.4
12:57:54.038	20	0.00001	0	0.00177	1.515	0.000148	36.3

4.00E-01	-3.400	0.400	0.000	0.387	0.000	1445	44.09	14.1	272.676118	181.017007	65	22.12037	0
4.00E-01	-3.400	0.400	0.000	0.387	0.000	1433	44.09	15.5	253.230354	178.295918	65	19.882453	0
4.00E-01	-3.400	0.400	0.000	0.386	0.000	1445	43.47	31	268.332344	184.186271	66.153562	18.292217	0
4.00E-01	-3.400	0.400	0.000	0.387	0.000	1426	43.47	40.1	269.562883	192.491356	72.860315	18	0
4.00E-01	-3.400	0.400	0.000	0.384	0.000	1430	43.47	39.9	268.47069	200.796441	79.567068	17	0
4.00E-01	-3.400	0.400	0.000	0.380	0.000	1430	43.196	52.3	256.358598	209.101525	86.273821	17	0
5.00E-01	-3.400	0.500	0.000	0.456	0.600	1428	43.25	73.8	254.645235	225.807256	92.980574	17.399764	0
5.00E-01	-3.400	0.500	0.000	0.460	2.000	1436	43.47	76.5	264.4537	247.016558	94.986276	18.982	0
5.00E-01	-3.400	0.600	0.000	0.542	1.300	1445	43.979	75	262.915	268.22586	96.149337	23.502973	0
7.00E-01	-3.400	0.800	0.000	0.706	0.000	1457	44.09	73	261.226139	289.435163	97.312398	30.802956	0
8.00E-01	-3.400	0.900	0.000	0.803	0.000	1456	44.09	57	276.053706	301.979567	98.475459	36.091981	0
8.00E-01	-3.400	0.900	0.000	0.807	0.000	1450	44.09	47.5	258.254422	298.502548	96.639274	38.561765	0
8.00E-01	-3.400	0.900	0.000	0.814	0.500	1446	44.09	50.1	257.152924	295.02553	92.339226	40.744776	0
7.00E-01	-3.400	0.800	0.000	0.729	1.400	1443	43.577	55.1	256.5	291.548512	88.039178	40	0
6.00E-01	-3.400	0.700	0.000	0.641	3.000	1442	43.47	63.5	271.55089	289.700436	83.73913	40	0
6.00E-01	-3.400	0.700	0.000	0.638	2.500	1438	43.47	69.1	254.168847	296.940145	80.473913	38.987885	0
6.00E-01	-3.400	0.700	0.000	0.632	1.000	1436	43.47	69	253.190201	304.179855	79.024638	38.122473	0
6.00E-01	-3.400	0.700	0.000	0.629	1.000	1433	43.47	68.5	251.906952	311.419564	77.575362	39	0
7.00E-01	-3.300	0.800	0.000	0.717	1.000	1425	43.47	62.2	279.798481	318.390026	76.126087	39	0
7.00E-01	-3.300	0.800	0.000	0.719	1.000	1422	43.47	55.4	250.284216	313.391216	74.574326	39.826087	0
7.00E-01	-3.300	0.800	0.000	0.723	1.000	1421	43.47	51.7	249.6	308.392407	72.665474	40	0
7.00E-01	-3.300	0.800	0.000	0.727	1.400	1420	43.47	47.2	249.302083	303.393597	70.756621	40	0
6.00E-01	-3.400	0.700	0.000	0.639	2.700	1418	43.065	36	263.1215	298.394787	68.847769	40	0
6.00E-01	-3.400	0.700	0.000	0.642	2.600	1403	42.85	26.5	253.391628	293.98639	67.095475	39.393023	0
6.00E-01	-3.400	0.700	0.000	0.646	2.000	1410	42.806	36.1	247.590426	289.706718	70.079065	38.182716	0
6.00E-01	-3.400	0.600	0.000	0.567	2.700	1403	42.469	57.3	247	285.427047	73.062655	37.872996	0
6.00E-01	-3.400	0.600	0.000	0.561	1.700	1400	42.85	54.7	256.615375	281.147375	76.046246	35.154235	0
5.00E-01	-3.400	0.500	0.000	0.470	0.300	1399	42.85	45.8	250.528214	272.652062	78.943416	32	0
5.00E-01	-3.400	0.500	0.000	0.458	0.000	1390	42.23	16.5	247	263.115979	73.284979	31.172285	0
5.00E-01	-3.400	0.600	0.000	0.542	0.600	1368	41.959	3.8	247	253.579897	67.626543	31	0
6.00E-01	-3.400	0.600	0.000	0.557	1.700	1346	41.13	7.5	245.661153	244.043814	61.968107	31.521519	0
6.00E-01	-3.400	0.600	0.000	0.566	1.300	1341	40.99	19.8	246.830256	248.970516	58.028571	31.280093	0
6.00E-01	-3.400	0.600	0.000	0.576	0.000	1344	40.99	56.4	247	255.120751	66.459485	29.507874	0
6.00E-01	-3.400	0.600	0.000	0.574	0.000	1353	41.064	64.7	247	261.270986	74.890398	24.630153	0
5.00E-01	-3.400	0.500	0.000	0.469	0.000	1360	41.61	65.2	250.518878	267.421221	83.321311	18.849275	0
5.00E-01	-3.400	0.500	0.000	0.459	0.000	1364	41.61	41.9	251.898606	263.154562	91.752225	17.832184	0
5.00E-01	-3.300	0.600	0.000	0.546	0.000	1353	41.61	17.6	247.6	253.569309	83.969585	21.438057	0
7.00E-01	-3.300	0.800	0.000	0.721	1.000	1344	41.053	0.4	247.6	243.984055	73.370507	25.221239	0
8.00E-01	-3.300	0.900	0.000	0.826	3.000	1279	39.02	0	248.294361	234.398802	62.771429	28.386207	0
8.00E-01	-3.300	0.800	0.000	0.754	2.600	1186	36.334	0	240.08267	227.372007	52.17235	29.002312	0
8.00E-01	-3.300	0.800	0.000	0.754	1.400	1128	35.184	0	248.3	225.732279	51.685124	29.862173	0
7.00E-01	-3.400	0.700	0.000	0.673	1.000	1126	34.78	15.3	248.0478	224.092551	60.835758	29	0
6.00E-01	-3.400	0.600	0.000	0.586	0.300	1193	34.78	48.3	247.6	222.452823	69.986391	28.296386	0
6.00E-01	-3.400	0.600	0.000	0.580	0.000	1186	34.78	55.7	236.175758	221.199091	79.137025	25.080332	0
5.00E-01	-3.400	0.500	0.000	0.480	0.000	1173	35.4	56.6	248.957072	226.842324	86.313755	17.869822	0
5.00E-01	-3.400	0.500	0.000	0.468	0.000	1196	35.4	58.6	248.342049	232.485557	87.568775	13.42	0
5.00E-01	-3.400	0.600	0.000	0.545	0.000	1178	35.4	37.2	249	238.12879	88.823795	13.037559	0

0.05772	0.00978	1.35368	2347.457
0.05773	0.00978	1.35475	2347.839
0.05774	0.00978	1.35603	2348.293
0.05775	0.00978	1.35752	2348.758
0.05776	0.00978	1.35912	2349.407
0.05777	0.00978	1.36224	2350.619
0.05779	0.00979	1.36579	2352.688
0.05781	0.00982	1.36962	2355.672
0.05784	0.00984	1.37327	2359.657
0.05787	0.00984	1.37586	2363.89
0.0579	0.00984	1.37716	2367.525
0.05793	0.00984	1.37821	2370.716
0.05796	0.00985	1.37879	2373.564
0.05799	0.00987	1.37935	2376.304
0.05802	0.00991	1.3803	2379.032
0.05805	0.00994	1.38192	2382.059
0.05808	0.00995	1.38425	2385.488
0.05811	0.00996	1.38638	2389.173
0.05814	0.00997	1.38773	2392.775
0.05817	0.00998	1.3888	2396.187
0.0582	0.00999	1.3896	2399.317
0.05823	0.01	1.39016	2402.063
0.05825	0.01003	1.39121	2404.43
0.05827	0.01005	1.39191	2406.471
0.05829	0.01007	1.39222	2408.329
0.05831	0.0101	1.39276	2410.247
0.05833	0.01012	1.39396	2411.997
0.05835	0.01012	1.39574	2413.96
0.05836	0.01012	1.39761	2416.036
0.05838	0.01012	1.39854	2417.912
0.0584	0.01014	1.39881	2419.68
0.05842	0.01015	1.39881	2420.9
0.05844	0.01015	1.39881	2421.579
0.05846	0.01015	1.40027	2422.413
0.05848	0.01015	1.40425	2423.979
0.05849	0.01015	1.40715	2426.1
0.05851	0.01015	1.40887	2428.345
0.05853	0.01016	1.40984	2430.294
0.05855	0.01018	1.41027	2431.683
0.05856	0.01019	1.41038	2432.624
0.05857	0.0102	1.41047	2433.268
0.05858	0.01021	1.41049	2433.819
0.0586	0.01021	1.41072	2434.253
0.05862	0.01021	1.41132	2434.589
0.05863	0.01021	1.41327	2435.166
0.05864	0.01021	1.4168	2436.578
0.05865	0.01021	1.41857	2438.093

12:57:55.038	20	0.00001	0	0.00107	1.4	0.000136	37.1
12:57:56.038	20	0.00001	0	0.00065	1.247	0.000122	36.4
12:57:57.038	20	0.00001	0	0.00051	1.116	0.000109	35.9
12:57:58.038	20	0.00001	0	0.00043	1.011	0.000098	33.3
12:57:59.038	20	0.00001	0	0.00029	0.836	0.000081	31.1
12:58:00.038	20	0.00001	0	0.00015	0.597	0.000058	29
12:58:01.038	20	0.00001	0	0.00016	0.445	0.000043	27.2
12:58:02.038	20	0.00001	0	0.00017	0.327	0.000032	23.8
12:58:03.038	20	0.00001	0	0.00018	0.221	0.000022	20.8
12:58:04.038	20	0.00001	0	0.00046	0.19	0.000019	17
12:58:05.038	20	0.00001	0	0.00071	0.12	0.000012	13.7
12:58:06.038	20	0.00001	0	0.00041	0.089	0.000009	9.8
12:58:07.038	20	0.00001	0	0.00044	0.111	0.000011	6.6
12:58:08.038	20	0.00001	0	0.00087	0.201	0.00002	3
12:58:09.038	20	0.00001	0	0.00073	0.264	0.000026	0
12:58:10.038	20	0	0	0.00016	0.124	0.000012	0.5
12:58:11.038	20	0	0	0	0.025	0.000002	1
12:58:12.038	20	0.00001	0	0.00083	0.211	0.000021	0.5
12:58:13.038	20	0.00001	0	0.00193	0.623	0.000061	0
12:58:14.038	20	0.00001	0	0.00134	0.774	0.000076	0
12:58:15.038	20	0.00001	0	0.00106	0.918	0.00009	0
12:58:16.038	20	0.00001	0.00001	0.00089	1.009	0.000098	0
12:58:17.038	20	0.00001	0.00003	0.00075	0.98	0.000096	0
12:58:18.038	20	0.00001	0.00003	0.00088	0.907	0.000088	0
12:58:19.038	20	0.00001	0.00002	0.0009	0.87	0.000085	0
12:58:20.038	20	0.00001	0.00002	0.00076	0.908	0.000089	0
12:58:21.038	20	0.00002	0.00002	0.00109	1.539	0.00015	0
12:58:22.038	20	0.00003	0.00003	0.00186	2.905	0.000283	0
12:58:23.038	20	0.00003	0.00003	0.00163	2.748	0.000268	0
12:58:24.038	20	0.00003	0.00003	0.00197	2.974	0.000289	1.7
12:58:25.038	20	0.00004	0.00002	0.00158	4.246	0.000413	3.1
12:58:26.038	20	0.00007	0.00002	0.00263	5.167	0.000503	6.3
12:58:27.038	20	0.00006	0	0.00209	5.012	0.000487	8.9
12:58:28.038	20	0.00005	0	0.00069	3.634	0.000353	11.8
12:58:29.038	20	0.00007	0	0.00018	3.171	0.000309	14.2
12:58:30.038	20	0.00009	0	0.00129	3.975	0.000387	14.5
12:58:31.038	20	0.0001	0	0.00585	5.387	0.000525	14.7
12:58:32.038	20	0.0001	0	0.00261	4.406	0.000429	16.8
12:58:33.038	20	0.0001	0	0.00231	4.041	0.000393	18.6
12:58:34.038	20	0.0001	0	0.00232	3.859	0.000375	20.1
12:58:35.038	20	0.00011	0	0.0021	4.425	0.00043	21.3
12:58:36.038	20	0.00014	0	0.00222	5.887	0.000572	22.8
12:58:37.038	20	0.0002	0	0.00394	8.923	0.000867	24.1
12:58:38.038	20	0.00017	0	0.00254	7.648	0.000743	25.9
12:58:39.038	20	0.00013	0	0.00022	5.134	0.000499	27.5
12:58:40.038	20	0.00013	0	0.00049	4.169	0.000406	29
12:58:41.038	20	0.00027	0	0.00706	10.921	0.001063	30.2

5.00E-01	-3.400	0.600	0.000	0.548	0.000	1124	35.4	2.7	247.735997	243.772023	90.078815	14.592105	0
6.00E-01	-3.400	0.700	0.000	0.631	0.000	1058	33.815	0	249	235.233553	86.58419	18.534712	0
6.00E-01	-3.400	0.700	0.000	0.637	0.000	953	30.792	0	249	224.594694	69.983399	22.537549	0
7.00E-01	-3.400	0.800	0.000	0.731	0.300	1057	28.14	0	248.647645	213.955834	53.382609	25	0
7.00E-01	-3.400	0.800	0.000	0.739	1.000	1067	26.111	0	228.426705	203.741718	36.781818	25.684058	0
7.00E-01	-3.400	0.700	0.000	0.663	1.000	1019	23.335	0	248.3	198.220245	25.949552	26	0
6.00E-01	-3.500	0.600	0.000	0.577	0.200	1041	20.524	0	248.3	192.698773	21.596159	25.749705	0
5.00E-01	-3.500	0.500	0.000	0.478	0.000	909	17.437	3.4	247.829434	187.177301	17.242766	25	0
4.00E-01	-3.500	0.400	0.000	0.393	0.000	893	13.457	29.7	217.08015	183.274224	12.889373	24.179632	0
4.00E-01	-3.500	0.400	0.000	0.387	0.000	796	10.29	45.9	248.047698	187.217053	23.775923	22.620178	0
4.00E-01	-3.500	0.400	0.000	0.387	0.000	823	6.804	46.5	247.6	191.159882	46.348225	20.761214	0
4.00E-01	-3.500	0.400	0.000	0.388	0.000	754	3.683	47.9	247.6	195.102711	68.920527	18.433333	0
4.00E-01	-3.500	0.400	0.000	0.387	0.000	756	0.613	55	224.045828	198.933677	91.492829	15.490148	0
4.00E-01	-3.600	0.400	0.000	0.385	0.000	743	0	59	247.6	201.886571	106.412207	14.043011	0
4.00E-01	-3.600	0.400	0.000	0.382	0.000	620	0	40.9	247.6	204.839466	104.534272	11.953846	0
4.00E-01	-3.500	0.400	0.000	0.384	0.000	185	0	8.3	247.6	207.79236	102.656338	11	0
4.00E-01	-3.500	0.400	0.000	0.388	0.000	0	0	0	235.942466	210.745254	100.778404	11	0
4.00E-01	-3.500	0.400	0.000	0.384	0.000	150	0	0.2	243.274709	212.131718	99.217995	9.738928	0
4.00E-01	-3.600	0.400	0.000	0.378	0.000	785	0	37.5	246.4	213.23304	103.331105	9.824879	0
5.00E-01	-3.600	0.500	0.000	0.466	0.000	750	0	39.5	246.4	214.334361	107.444216	10	0
6.00E-01	-3.600	0.700	0.000	0.647	0.600	734	0	48.4	239.337251	215.435683	111.557326	10.233951	0
7.00E-01	-3.600	0.800	0.000	0.737	2.600	741	0	57.3	245.715154	218.507088	114.883571	11	0
7.00E-01	-3.600	0.800	0.000	0.739	5.400	750	0	60.2	245.831055	222.200624	114.169286	11.78119	0
7.00E-01	-3.600	0.800	0.000	0.740	6.000	759	0	55.9	245.8	225.89416	113.455	13.12079	0
7.00E-01	-3.600	0.800	0.000	0.739	4.600	762	0	50	241.855618	229.587697	112.740714	14	0
7.00E-01	-3.600	0.800	0.000	0.736	3.600	761	0	40.4	243.638628	237.476435	112.026429	14.510808	0
7.00E-01	-3.600	0.800	0.000	0.732	2.500	759	0.594	47.5	245.8	246.741289	107.050116	15	0
7.00E-01	-3.600	0.800	0.000	0.730	2.000	1392	2.694	83.2	245.1	256.006143	101.910049	15.135103	0
7.00E-01	-3.500	0.800	0.000	0.726	2.700	1379	6.103	56.1	251.089578	265.270997	96.769982	16.354193	0
7.00E-01	-3.500	0.800	0.000	0.719	2.700	1020	7.388	29.3	246.874185	276.767819	92.192795	17.619718	0
8.00E-01	-3.500	0.900	0.000	0.800	1.000	1496	8.562	75	244.586888	288.890506	94.870497	19.393459	0
1.10E+00	-3.500	1.200	0.000	1.075	1.000	1715	11.297	78.9	244.5	301.013194	97.548199	21.648456	0
1.20E+00	-3.500	1.300	0.000	1.151	0.000	1526	13.233	54.9	253.249837	313.135881	100.225901	22.980437	0
1.20E+00	-3.500	1.400	0.000	1.244	0.000	1449	13.66	27.1	255.394758	320.314916	102.903603	26.395693	0
1.40E+00	-3.500	1.500	0.000	1.370	0.000	1478	13.66	52.3	243.992206	325.091908	117.048241	30.334059	0
1.40E+00	-3.500	1.500	0.000	1.375	0.000	1613	14.993	83.7	243.899316	329.868901	131.621106	31	0
1.40E+00	-3.500	1.500	0.000	1.358	0.000	1795	17.063	84.2	251.709812	334.645893	146.19397	26.209546	0
1.80E+00	-3.500	2.100	0.000	1.841	0.000	1467	18.468	83.9	258.449371	337.744428	160.766834	27.258065	0
2.10E+00	-3.500	2.300	0.000	2.071	0.000	1444	20.296	74.2	243.3	339.576757	150.146152	29.67756	0
2.10E+00	-3.500	2.400	0.000	2.141	0.000	1511	21.774	64.2	243.3	341.409086	139.115819	30	0
2.10E+00	-3.500	2.400	0.000	2.143	0.000	1573	22.585	70	258.89347	343.241416	128.085485	30.105131	0
2.10E+00	-3.500	2.400	0.000	2.142	0.000	1666	23.45	78.4	258.586228	349.666509	117.055152	31	0
2.10E+00	-3.500	2.400	0.000	2.127	0.000	1814	25.694	91.4	243.783117	359.336321	121.440798	31.645355	0
2.10E+00	-3.500	2.400	0.000	2.124	0.000	1951	27.939	62.4	244.463594	369.006132	125.903912	32.750873	0
2.10E+00	-3.500	2.400	0.000	2.149	0.000	1780	28.895	48.1	277.141788	378.675943	130.367025	34.239538	0
2.20E+00	-3.500	2.400	0.000	2.183	0.000	1665	29.856	74.6	246.923047	402.301872	148.541007	34.272308	0
2.10E+00	-3.500	2.400	0.000	2.145	0.000	1754	31.383	98.6	247.156398	430.09651	226.718465	32.205016	0

0.05866	0.01021	1.41964	2439.493
0.05867	0.01021	1.42029	2440.74
0.05868	0.01021	1.4208	2441.856
0.05869	0.01021	1.42123	2442.867
0.0587	0.01021	1.42152	2443.703
0.05871	0.01021	1.42167	2444.3
0.05872	0.01021	1.42183	2444.745
0.05873	0.01021	1.422	2445.072
0.05874	0.01021	1.42218	2445.293
0.05875	0.01021	1.42264	2445.483
0.05876	0.01021	1.42335	2445.603
0.05877	0.01021	1.42376	2445.692
0.05878	0.01021	1.4242	2445.803
0.05879	0.01021	1.42507	2446.004
0.0588	0.01021	1.4258	2446.268
0.0588	0.01021	1.42596	2446.392
0.0588	0.01021	1.42596	2446.417
0.05881	0.01021	1.42679	2446.628
0.05882	0.01021	1.42872	2447.251
0.05883	0.01021	1.43006	2448.025
0.05884	0.01021	1.43112	2448.943
0.05885	0.01022	1.43201	2449.952
0.05886	0.01025	1.43276	2450.932
0.05887	0.01028	1.43364	2451.839
0.05888	0.0103	1.43454	2452.709
0.05889	0.01032	1.4353	2453.617
0.05891	0.01034	1.43639	2455.156
0.05894	0.01037	1.43825	2458.061
0.05897	0.0104	1.43988	2460.809
0.059	0.01043	1.44185	2463.783
0.05904	0.01045	1.44343	2468.029
0.05911	0.01047	1.44606	2473.196
0.05917	0.01047	1.44815	2478.208
0.05922	0.01047	1.44884	2481.842
0.05929	0.01047	1.44902	2485.013
0.05938	0.01047	1.45031	2488.988
0.05948	0.01047	1.45616	2494.375
0.05958	0.01047	1.45877	2498.781
0.05968	0.01047	1.46108	2502.822
0.05978	0.01047	1.4634	2506.681
0.05989	0.01047	1.4655	2511.106
0.06003	0.01047	1.46772	2516.993
0.06023	0.01047	1.47166	2525.916
0.0604	0.01047	1.4742	2533.564
0.06053	0.01047	1.47442	2538.698
0.06066	0.01047	1.47491	2542.867
0.06093	0.01047	1.48197	2553.788

12:58:42.038	20	0.00038	0.00004	0.01385	17.299	0.001682	32.3
12:58:43.038	20	0.0006	0	0.00643	15.057	0.001462	34.1
12:58:44.038	20	0.00121	0	0.00998	16.553	0.001608	37.4
12:58:45.038	20	0.0016	0	0.00642	12.715	0.001235	40.3
12:58:46.038	20	0.00113	0	0.00193	5.279	0.000513	43.9
12:58:47.038	20	0.00067	0	0.00086	2.84	0.000276	47
12:58:48.038	21	0.00043	0	0.00026	2.442	0.000238	47.2
12:58:49.038	20	0.0002	0	0.00139	2.405	0.000234	47.4
12:58:50.038	20	0.00008	0	0.00145	2.685	0.000262	46.4
12:58:51.038	20	0.00007	0	0.00164	2.972	0.000289	45.5
12:58:52.038	20	0.00007	0	0.00182	3.251	0.000317	45.9
12:58:53.038	20	0.00007	0	0.00164	3.522	0.000343	46.3
12:58:54.038	21	0.00007	0	0.00129	3.731	0.000363	46.8
12:58:55.038	20	0.00006	0	0.00182	3.694	0.000359	47.2
12:58:56.038	20	0.00005	0	0.00149	3.573	0.000347	47.3
12:58:57.038	20	0.00005	0	0.00131	3.425	0.000333	47.4
12:58:58.038	20	0.00005	0.00001	0.00124	3.361	0.000327	47.3
12:58:59.038	20	0.00005	0.00003	0.00108	3.188	0.00031	47.3
12:59:00.038	20	0.00005	0.00005	0.00094	3.228	0.000314	47.8
12:59:01.038	20	0.00005	0.00004	0.00117	3.343	0.000325	48.3
12:59:02.038	20	0.00004	0.00004	0.00117	3.29	0.00032	47.9
12:59:03.038	20	0.00004	0.00003	0.00128	3.298	0.000321	47.5
12:59:04.038	20	0.00004	0.00002	0.00124	3.206	0.000312	48.3
12:59:05.038	20	0.00003	0.00002	0.00105	2.931	0.000285	48.9
12:59:06.038	20	0.00003	0.00003	0.00099	2.568	0.00025	48
12:59:07.038	20	0.00003	0.00003	0.00086	2.462	0.00024	47.3
12:59:08.038	20	0.00003	0.00002	0.00134	2.494	0.000243	47.1
12:59:09.038	20	0.00003	0.00002	0.00166	2.817	0.000274	47
12:59:10.038	20	0.00004	0.00001	0.00217	3.503	0.000341	47.7
12:59:11.038	20	0.00004	0.00001	0.00272	4.407	0.000429	48.3
12:59:12.038	20	0.00004	0	0.00199	4.698	0.000457	47.7
12:59:13.038	20	0.00004	0	0.00206	5.007	0.000487	47.2
12:59:14.038	20	0.00004	0	0.00205	5.093	0.000495	47.3
12:59:15.038	20	0.00003	0	0.00157	4.637	0.000451	47.3
12:59:16.038	20	0.00003	0	0.0012	3.976	0.000387	47.3
12:59:17.038	20	0.00003	0	0.00087	3.062	0.000298	47.3
12:59:18.038	20	0.00002	0.00001	0.00031	2.413	0.000235	47
12:59:19.038	20	0.00004	0.00004	0	2.976	0.00029	46.8
12:59:20.038	20	0.00003	0.00002	0	1.422	0.000139	47.6
12:59:21.038	20	0.00001	0	0	0.393	0.000038	48.2
12:59:22.038	20.9	0	0	0.00048	0.101	0.000013	46.5
12:59:23.038	20.1	0	0	0.00195	0.124	0.000016	45
12:59:24.038	20	0	0	0.00356	0.772	0.000076	44.2
12:59:25.038	20	0.00001	0	0.00542	2.045	0.0002	43.6
12:59:26.038	20	0.00003	0	0.00478	3.693	0.00036	43.9
12:59:27.038	20	0.00004	0	0.00294	4.279	0.000416	44.2
12:59:28.038	20	0.00003	0	0.00164	4.089	0.000398	45

2.20E+00	-3.400	2.500	0.000	2.197	0.700
4.10E+00	-0.200	4.700	0.000	4.137	0.000
7.50E+00	2.800	5.700	2.481	5.007	0.000
1.24E+01	8.300	5.800	7.332	5.113	0.000
1.82E+01	14.600	5.800	13.060	5.185	0.000
1.82E+01	14.600	5.600	13.151	5.076	0.000
1.14E+01	7.600	4.700	7.027	4.370	0.000
5.10E+00	2.400	3.200	2.162	2.903	0.000
1.90E+00	-0.300	2.100	0.000	1.948	0.000
1.80E+00	-1.500	2.000	0.000	1.816	0.000
1.70E+00	-2.400	1.900	0.000	1.718	0.000
1.60E+00	-2.800	1.800	0.000	1.623	0.000
1.60E+00	-2.800	1.700	0.000	1.552	0.000
1.40E+00	-3.000	1.600	0.000	1.445	0.000
1.30E+00	-3.100	1.500	0.000	1.341	0.000
1.30E+00	-3.100	1.500	0.000	1.342	0.000
1.30E+00	-3.100	1.400	0.000	1.255	0.700
1.20E+00	-3.100	1.300	0.000	1.173	2.600
1.20E+00	-3.100	1.300	0.000	1.174	4.000
1.10E+00	-3.100	1.200	0.000	1.083	3.000
1.00E+00	-3.200	1.100	0.000	0.995	3.000
1.00E+00	-3.200	1.100	0.000	0.993	2.600
9.00E-01	-3.200	1.000	0.000	0.907	2.000
9.00E-01	-3.300	1.000	0.000	0.905	2.000
9.00E-01	-3.300	1.000	0.000	0.910	3.000
9.00E-01	-3.400	1.000	0.000	0.915	3.000
8.00E-01	-3.400	0.900	0.000	0.833	2.000
8.00E-01	-3.500	0.900	0.000	0.823	1.300
8.00E-01	-3.500	0.900	0.000	0.816	1.000
8.00E-01	-3.600	0.900	0.000	0.807	0.600
8.00E-01	-3.600	0.900	0.000	0.802	0.000
7.00E-01	-3.600	0.800	0.000	0.711	0.000
7.00E-01	-3.600	0.800	0.000	0.709	0.000
7.00E-01	-3.600	0.800	0.000	0.709	0.000
7.00E-01	-3.600	0.800	0.000	0.714	0.000
7.00E-01	-3.600	0.800	0.000	0.718	0.000
6.00E-01	-3.600	0.700	0.000	0.643	0.700
7.00E-01	-3.600	0.700	0.000	0.652	2.000
5.00E-01	-3.600	0.500	0.000	0.485	1.300
1.00E-01	-3.700	0.100	0.000	0.105	0.000
1.00E-01	-3.900	0.100	0.000	0.099	0.000
1.00E-01	-3.900	0.100	0.000	0.098	0.000
1.00E-01	-3.800	0.100	0.000	0.096	0.000
2.00E-01	-3.800	0.200	0.000	0.179	0.000
7.00E-01	-3.800	0.800	0.000	0.707	0.000
8.00E-01	-3.800	0.900	0.000	0.795	0.000
8.00E-01	-3.700	0.900	0.000	0.801	0.000

1928	34.625	91.1	249.974202	457.891148	304.895923	31.506596	0
2100	38.233	86.8	323.121918	485.685787	383.073381	38.900621	0
1817	40.691	93.5	283.496323	483.725648	459.127971	42	0
1864	43.642	62.4	264.868254	475.0561	404.62617	45.276723	0
1870	44.865	48.7	269.898126	466.386551	350.12437	49.963303	0
1643	45.058	38.1	307.352346	457.717003	295.622569	47.639098	0
1476	44.71	50.8	309.374584	445.09551	241.120768	43.967098	0
1477	44.71	56.1	274.352122	430.364696	212.660612	38.035928	0
1480	45.216	59.4	275.952893	415.633883	188.760038	33.84	0
1485	45.33	59.2	276.962898	400.90307	164.859465	31.504651	0
1492	45.33	63.8	324.318321	390.222016	140.958891	30.043956	0
1500	45.677	69.5	281.019912	389.60186	127.393572	29	0
1509	45.95	73.4	282.856612	388.981705	118.988133	28.417549	0
1520	46.04	64.3	289.229763	388.36155	110.582695	28	0
1526	46.58	62.1	321.466354	385.709437	102.177256	27.87587	0
1527	46.58	58.4	288.064095	380.216479	95.211759	27	0
1526	46.58	56.6	289.928282	374.723521	89.12134	27	0
1520	46.58	62.1	291.541637	369.230563	83.030921	26.516052	0
1518	45.95	61.2	328.659442	364.247319	76.940501	26	0
1520	45.95	60.8	294.388889	362.000942	72.487043	25	0
1513	45.95	61.2	296.551826	359.754565	71.033907	24.86369	0
1509	45.95	58	297.891963	357.508188	69.58077	24	0
1504	45.95	54	322.847909	355.203557	68.127634	24	0
1500	45.33	48.3	300.22779	349.530458	67.207552	24	0
1495	45.33	43.9	300.985864	343.857359	68.134121	24	0
1483	45.122	54.6	301.854082	338.184259	69.06069	23	0
1477	44.71	60.8	309.166479	332.51116	69.98726	22.741855	0
1478	44.71	70	308.314202	338.23159	70.913829	21.522248	0
1482	44.71	79	304.892651	348.471242	74.384328	21	0
1489	45.254	76.5	305.3	358.710893	78.115672	20.359246	0
1498	45.33	76.3	309.176823	368.950545	81.847015	20	0
1508	45.731	83.5	320.410215	373.087743	85.578358	21	0
1515	45.95	71.9	307.324246	372.89585	84.75363	21	0
1522	46.553	63.3	307.5	372.703958	83.348478	21.713443	0
1520	46.496	54.1	310.219598	372.512065	81.943326	22	0
1498	45.72	21.3	329.595858	361.064794	80.538173	22	0
1482	45.013	3.2	306.8	333.816704	71.196556	22	0
1456	44.71	0.1	306.327546	306.568613	56.928413	22	0
1433	44.054	0	305.959454	279.320522	42.660271	21.210243	0
1404	43.284	0	289.604765	264.439789	28.392128	16.776457	0
1386	42.601	24.1	305.810454	271.834155	31.272858	12.388724	0
1385	42.23	59.7	305.3	279.228521	48.071514	9.31338	0
1392	42.23	70.2	304.882645	286.622887	64.87017	5.395322	0
1396	42.23	73.5	298.96	294.59189	81.668826	1.611664	0
1405	42.85	77	303.762375	307.910342	91.626214	1.346535	0
1413	43.022	75.3	303.040164	321.228795	90.65534	11.086806	0
1423	43.47	67.8	302.075519	334.547247	89.684466	14.458037	0

0.06131	0.01051	1.49582	2571.087
0.06191	0.01051	1.50225	2586.144
0.06312	0.01051	1.51223	2602.697
0.06472	0.01051	1.51865	2615.412
0.06585	0.01051	1.52058	2620.691
0.06652	0.01051	1.52144	2623.531
0.06695	0.01051	1.5217	2625.973
0.06715	0.01051	1.52309	2628.378
0.06723	0.01051	1.52454	2631.063
0.0673	0.01051	1.52618	2634.035
0.06737	0.01051	1.528	2637.286
0.06744	0.01051	1.52964	2640.808
0.06751	0.01051	1.53093	2644.539
0.06757	0.01051	1.53275	2648.233
0.06762	0.01051	1.53424	2651.806
0.06767	0.01051	1.53555	2655.231
0.06772	0.01052	1.53679	2658.592
0.06777	0.01055	1.53787	2661.78
0.06782	0.0106	1.53881	2665.008
0.06787	0.01064	1.53998	2668.351
0.06791	0.01068	1.54115	2671.641
0.06795	0.01071	1.54243	2674.939
0.06799	0.01073	1.54367	2678.145
0.06802	0.01075	1.54472	2681.076
0.06805	0.01078	1.54571	2683.644
0.06808	0.01081	1.54657	2686.106
0.06811	0.01083	1.54791	2688.6
0.06814	0.01085	1.54957	2691.417
0.06818	0.01086	1.55174	2694.92
0.06822	0.01087	1.55446	2699.327
0.06826	0.01087	1.55645	2704.025
0.0683	0.01087	1.55851	2709.032
0.06834	0.01087	1.56056	2714.125
0.06837	0.01087	1.56213	2718.762
0.0684	0.01087	1.56333	2722.738
0.06843	0.01087	1.5642	2725.8
0.06845	0.01088	1.56451	2728.213
0.06849	0.01092	1.56451	2731.189
0.06852	0.01094	1.56451	2732.611
0.06853	0.01094	1.56451	2733.004
0.06853	0.01094	1.56499	2733.105
0.06853	0.01094	1.56694	2733.229
0.06853	0.01094	1.5705	2734.001
0.06854	0.01094	1.57592	2736.046
0.06857	0.01094	1.5807	2739.739
0.06861	0.01094	1.58364	2744.018
0.06864	0.01094	1.58528	2748.107

12:59:29.038	20	0.00004	0	0.00142	4.351	0.000423	45.7
12:59:30.038	20	0.00005	0	0.00218	5.259	0.000511	45
12:59:31.038	20	0.00005	0	0.00227	5.736	0.000557	44.5
12:59:32.038	20	0.00004	0	0.00168	5.468	0.000531	45.1
12:59:33.038	20	0.00004	0	0.00177	5.159	0.000501	45.6
12:59:34.038	20	0.00004	0	0.00206	4.853	0.000472	46.4
12:59:35.038	20	0.00003	0	0.00161	3.705	0.00036	47.1
12:59:36.038	20	0.00002	0	0.0011	3.219	0.000313	47.9
12:59:37.038	20	0.00002	0	0.00014	2.662	0.000259	48.6
12:59:38.038	20	0.00002	0	0.00035	2.057	0.0002	47.9
12:59:39.038	20	0.00002	0.00001	0.00015	1.735	0.000169	47.3
12:59:40.038	20	0.00002	0.00002	0.00033	1.585	0.000155	46.9
12:59:41.038	20	0.00002	0.00001	0.00172	2.154	0.00021	46.5
12:59:42.038	20	0.00002	0.00001	0.00303	3.086	0.000301	46.4
12:59:43.038	20	0.00002	0.00001	0.0034	3.743	0.000365	46.4
12:59:44.038	20	0.00002	0	0.00226	3.766	0.000366	46.1
12:59:45.038	20	0.00002	0	0.00153	3.547	0.000345	45.8
12:59:46.038	20	0.00002	0.00001	0.00091	3.095	0.000301	46.3
12:59:47.038	20	0.00002	0.00002	0.00037	2.526	0.000246	46.7
12:59:48.038	20	0.00001	0.00002	0.00038	2.136	0.000208	47
12:59:49.038	21	0.00001	0.00002	0.00072	1.979	0.000193	47.2
12:59:50.038	20.1	0.00001	0.00001	0.00124	1.784	0.000174	46.9
12:59:51.038	20	0.00001	0.00001	0.0012	1.776	0.000173	46.6
12:59:52.038	20.9	0.00001	0.00002	0.00091	1.75	0.000171	45.9
12:59:53.038	20.1	0.00001	0.00001	0.00079	1.604	0.000156	45.3
12:59:54.038	20	0.00001	0.00001	0.00115	1.629	0.000159	44.7
12:59:55.038	20	0.00001	0.00001	0.00167	1.975	0.000193	44.2
12:59:56.038	20	0.00002	0.00002	0.00203	2.457	0.00024	44.1
12:59:57.038	21	0.00002	0.00003	0.00224	2.924	0.000285	44.1
12:59:58.038	21	0.00002	0.00001	0.00213	3.219	0.000313	45.4
12:59:59.038	21	0.00002	0	0.0017	3.217	0.000313	46.5
13:00:00.038	21	0.00002	0.00001	0.00082	2.867	0.000279	45.6
13:00:01.038	21	0.00002	0.00002	0.00108	2.442	0.000238	44.9
13:00:02.038	20	0.00002	0.00002	0.00086	2.191	0.000213	44.3
13:00:03.038	20	0.00002	0.00003	0.00083	2.244	0.000219	43.8
13:00:04.038	20	0.00002	0.00003	0.001	2.242	0.000219	44
13:00:05.038	21	0.00002	0.00002	0.00141	2.468	0.000241	44.1
13:00:06.038	21	0.00002	0.00002	0.00196	2.758	0.000269	44.6
13:00:07.038	20	0.00002	0.00001	0.00154	3.698	0.00036	45.1
13:00:08.038	21	0.00003	0	0.00431	6.355	0.000619	44.8
13:00:09.038	21	0.00004	0	0.00636	9.471	0.000921	44.5
13:00:10.038	20	0.00005	0	0.00564	11.033	0.001071	45.6
13:00:11.038	20	0.00007	0	0.00356	10.014	0.000972	46.5
13:00:12.038	20	0.00004	0	0.00213	5.268	0.000512	48.9
13:00:13.038	21	0.00004	0	0.00099	3.955	0.000385	50.9
13:00:14.038	20	0.00003	0	0.0017	3.298	0.000321	51.1
13:00:15.038	21	0.00003	0	0.0014	2.941	0.000286	51.2

8.00E-01	-3.700	0.900	0.000	0.803	0.000
8.00E-01	-3.700	0.900	0.000	0.802	0.000
8.00E-01	-3.700	0.900	0.000	0.799	0.000
8.00E-01	-3.700	0.900	0.000	0.797	0.000
8.00E-01	-3.700	0.900	0.000	0.798	0.000
8.00E-01	-3.700	0.900	0.000	0.800	0.000
7.00E-01	-3.700	0.800	0.000	0.711	0.000
7.00E-01	-3.700	0.800	0.000	0.712	0.000
7.00E-01	-3.700	0.800	0.000	0.719	0.000
6.00E-01	-3.700	0.700	0.000	0.637	0.200
6.00E-01	-3.700	0.700	0.000	0.647	1.500
5.00E-01	-3.700	0.500	0.000	0.475	1.800
4.00E-01	-3.700	0.400	0.000	0.372	0.700
4.00E-01	-3.700	0.400	0.000	0.367	0.600
4.00E-01	-3.700	0.400	0.000	0.361	1.000
4.00E-01	-3.700	0.500	0.000	0.440	0.300
4.00E-01	-3.600	0.500	0.000	0.446	0.000
4.00E-01	-3.600	0.500	0.000	0.449	0.700
5.00E-01	-3.600	0.500	0.000	0.453	1.700
5.00E-01	-3.600	0.500	0.000	0.458	2.500
4.00E-01	-3.600	0.400	0.000	0.382	1.800
4.00E-01	-3.800	0.400	0.000	0.370	1.000
4.00E-01	-3.800	0.400	0.000	0.368	1.000
4.00E-01	-3.800	0.400	0.000	0.372	1.700
4.00E-01	-3.800	0.400	0.000	0.372	1.300
4.00E-01	-3.800	0.400	0.000	0.373	1.000
4.00E-01	-3.800	0.400	0.000	0.371	1.000
4.00E-01	-3.800	0.400	0.000	0.369	1.700
5.00E-01	-3.800	0.500	0.000	0.460	2.000
5.00E-01	-3.800	0.500	0.000	0.454	0.800
5.00E-01	-3.800	0.500	0.000	0.452	0.000
5.00E-01	-3.800	0.600	0.000	0.546	0.600
5.00E-01	-3.800	0.600	0.000	0.550	2.000
5.00E-01	-3.800	0.600	0.000	0.548	2.000
5.00E-01	-3.800	0.500	0.000	0.466	2.400
5.00E-01	-3.800	0.500	0.000	0.460	2.300
5.00E-01	-3.800	0.500	0.000	0.461	2.000
5.00E-01	-3.800	0.500	0.000	0.459	1.800
5.00E-01	-3.800	0.500	0.000	0.453	0.700
5.00E-01	-3.800	0.500	0.000	0.452	0.000
4.00E-01	-3.800	0.500	0.000	0.445	0.000
5.00E-01	-3.600	0.600	0.000	0.518	0.000
7.00E-01	-3.200	0.800	0.000	0.695	0.000
8.00E-01	-2.700	0.900	0.000	0.792	0.000
7.00E-01	-2.600	0.800	0.000	0.726	-0.600
7.00E-01	-2.600	0.800	0.000	0.723	-0.600
7.00E-01	-2.700	0.800	0.000	0.726	0.000

1430	43.47	76.9	321.872543	347.630349	88.713592	16.66185	0
1444	43.54	86.5	300.805387	357.328023	89.109302	17.882488	0
1464	44.169	82.3	299.5	367.025698	93.295349	18	0
1474	44.71	73.2	299.248425	376.723372	97.481395	19.162921	0
1489	45.081	74.7	322.958767	386.421047	101.667442	20	0
1503	45.816	75.6	309.387981	380.32503	105.853488	20	0
1511	45.95	47.2	296.263636	369.377357	100.884337	20.606212	0
1514	45.95	39.9	294.804831	358.429684	95.583133	21	0
1500	45.705	35.3	302.150499	347.482011	90.281928	21	0
1493	45.33	33.4	304.564706	339.753857	84.980723	21	0
1489	45.33	44.1	292.407786	334.015762	84.193633	21	0
1481	45.33	52.5	291.4203	328.277667	84.431219	20.361653	0
1483	45.33	62	292.426276	322.539571	84.668805	17.365385	0
1487	45.33	71.5	300.101163	321.086939	84.906391	15	0
1494	45.33	74	290	325.601146	83.886797	14.752	0
1500	45.33	61.4	290	330.115353	82.049828	14.576744	0
1498	45.33	50.4	289.543839	334.62956	80.212859	15.539192	0
1500	45.33	38	311.519289	338.462584	78.37589	15.6825	0
1475	45.265	30.2	288.6	330.362295	76.878597	16.876616	0
1466	44.71	43.2	288.6	322.262006	76.394921	17	0
1455	44.44	48.5	288.6	314.161716	75.911245	16.893233	0
1446	44.09	38.9	294.221715	306.061427	75.42757	15.4925	0
1435	43.494	28.9	288.589786	300.676276	75.079652	15	0
1433	43.47	38.5	287.8	295.572828	75.766308	15	0
1425	43.47	45.8	287.8	290.469379	76.452964	14.112172	0
1423	43.47	50.3	287.172559	285.365931	77.13962	13.931119	0
1428	43.47	60.4	286.289917	288.03141	77.826276	12.72133	0
1431	43.47	69.4	287.556429	296.900851	78.176638	12	0
1442	43.938	70.7	287.8	305.770293	78.4131	12	0
1446	44.09	49	287.8	314.639735	78.649563	12	0
1445	44.09	48.8	300.748349	318.769413	78.886025	12.007001	0
1441	43.868	45.5	287.8	313.188355	78.228784	13.150353	0
1432	43.47	42.4	287.8	307.607296	76.73995	14	0
1425	43.003	46.2	287.8	302.026238	75.251117	14	0
1419	42.85	52.7	292.727139	298.398104	73.762283	14	0
1415	42.85	56.1	287.8	303.149977	74.007339	13.865079	0
1412	42.85	55.9	287.8	307.901849	76.07156	13	0
1414	42.85	59.7	287.500698	312.653722	78.13578	13	0
1417	42.85	78	298.205942	317.405595	80.2	13	0
1439	43.451	99	288.329286	349.427902	94.803414	13	0
1489	44.986	94.8	287.299736	383.918525	194.830088	12.046512	0
1543	46.562	88.6	287.8	418.409149	294.856762	14.496437	0
1569	47.703	67.8	350.533047	452.899772	394.883436	16.525788	0
1584	48.44	56.5	287.2	439.922211	427.284977	19	0
1588	48.44	69.8	287.2	425.52696	348.881221	19	0
1590	48.44	58	286.846759	411.131709	270.477465	18.680092	0
1579	48.44	38.8	325.642466	396.736458	192.073709	18	0

0.06868	0.01094	1.5867	2752.458
0.06873	0.01094	1.58888	2757.717
0.06878	0.01094	1.59115	2763.453
0.06882	0.01094	1.59283	2768.921
0.06886	0.01094	1.5946	2774.08
0.0689	0.01094	1.59666	2778.933
0.06893	0.01094	1.59827	2782.638
0.06895	0.01094	1.59937	2785.857
0.06897	0.01094	1.59951	2788.519
0.06899	0.01094	1.59986	2790.576
0.06901	0.01095	1.60001	2792.311
0.06903	0.01097	1.60034	2793.896
0.06905	0.01098	1.60206	2796.05
0.06907	0.01099	1.60509	2799.136
0.06909	0.011	1.60849	2802.879
0.06911	0.011	1.61075	2806.645
0.06913	0.011	1.61228	2810.192
0.06915	0.01101	1.61319	2813.287
0.06917	0.01103	1.61356	2815.813
0.06918	0.01105	1.61394	2817.949
0.06919	0.01107	1.61466	2819.928
0.0692	0.01108	1.6159	2821.712
0.06921	0.01109	1.6171	2823.488
0.06922	0.01111	1.61801	2825.238
0.06923	0.01112	1.6188	2826.842
0.06924	0.01113	1.61995	2828.471
0.06925	0.01114	1.62162	2830.446
0.06927	0.01116	1.62365	2832.903
0.06929	0.01119	1.62589	2835.827
0.06931	0.0112	1.62802	2839.046
0.06933	0.0112	1.62972	2842.263
0.06935	0.01121	1.63054	2845.13
0.06937	0.01123	1.63162	2847.572
0.06939	0.01125	1.63248	2849.763
0.06941	0.01128	1.63331	2852.007
0.06943	0.01131	1.63431	2854.249
0.06945	0.01133	1.63572	2856.717
0.06947	0.01135	1.63768	2859.475
0.06949	0.01136	1.63922	2863.173
0.06952	0.01136	1.64353	2869.528
0.06956	0.01136	1.64989	2878.999
0.06961	0.01136	1.65553	2890.032
0.06968	0.01136	1.65909	2900.046
0.06972	0.01136	1.66122	2905.314
0.06976	0.01136	1.66221	2909.269
0.06979	0.01136	1.66391	2912.567
0.06982	0.01136	1.66531	2915.508

13:00:16.038	21	0.00002	0	0.00087	2.52	0.000245	50.8
13:00:17.038	20.1	0.00002	0.00001	0.00063	2.143	0.000209	50.5
13:00:18.038	21	0.00002	0.00002	0	1.527	0.000149	49.9
13:00:19.038	20	0.00002	0.00001	0.0001	1.13	0.00011	49.4
13:00:20.038	20	0.00002	0	0.00137	1.273	0.000124	48.6
13:00:21.038	20	0.00002	0	0.00302	1.928	0.000188	47.9
13:00:22.038	20	0.00002	0	0.00371	3.021	0.000295	47.7
13:00:23.038	20	0.00003	0	0.00294	3.735	0.000364	47.5
13:00:24.038	21	0.00003	0.00001	0.00237	4.111	0.0004	47.4
13:00:25.038	20.1	0.00003	0.00002	0.00189	4.645	0.000452	47.4
13:00:26.038	20	0.00003	0.00002	0.0018	4.929	0.000479	47.9
13:00:27.038	20	0.00003	0	0.00132	5.099	0.000496	48.3
13:00:28.038	20	0.00003	0	0.00094	4.779	0.000464	48.6
13:00:29.038	20	0.00003	0	0.001	4.241	0.000412	48.8
13:00:30.038	21	0.00003	0	0.00089	3.664	0.000356	49.5
13:00:31.038	20	0.00003	0	0.00112	3.604	0.000351	50.1
13:00:32.038	20	0.00003	0.00003	0.00093	3.816	0.000371	50.2
13:00:33.038	21	0.00003	0.00004	0.00109	3.967	0.000386	50.3
13:00:34.038	21	0.00003	0.00003	0.00168	4.407	0.000429	49.8
13:00:35.038	21	0.00003	0.00002	0.00209	4.639	0.000451	49.4
13:00:36.038	21	0.00003	0.00001	0.00132	4.379	0.000426	50.3
13:00:37.038	21	0.00003	0	0.00122	3.959	0.000385	51.1
13:00:38.038	20.1	0.00003	0.00001	0.00076	3.94	0.000383	49.9
13:00:39.038	20	0.00003	0.00004	0.00121	4.386	0.000427	48.9
13:00:40.038	20	0.00004	0.00006	0.00246	5.55	0.00054	49.2
13:00:41.038	21	0.00004	0.00002	0.00289	6.152	0.000598	49.5
13:00:42.038	20	0.00004	0	0.00149	5.295	0.000514	50.3
13:00:43.038	21	0.00004	0	0.00093	4.657	0.000453	51
13:00:44.038	20	0.00004	0	0.00127	4.556	0.000443	52.1
13:00:45.038	20	0.00004	0	0.00181	4.872	0.000474	53.1
13:00:46.038	20	0.00004	0	0.00169	4.845	0.000471	51.6
13:00:47.038	21	0.00005	0	0.00114	4.834	0.00047	50.4
13:00:48.038	21	0.00005	0	0.00113	4.816	0.000468	50.7
13:00:49.038	20.1	0.00005	0	0.00116	4.917	0.000478	51
13:00:50.038	20	0.00005	0	0.00122	5.221	0.000507	50.9
13:00:51.038	20	0.00006	0	0.0013	5.626	0.000547	50.9
13:00:52.038	20	0.00006	0	0.00129	5.767	0.00056	51
13:00:53.038	20	0.00006	0	0.00123	5.441	0.000529	51
13:00:54.038	20	0.00006	0	0.00121	5.128	0.000498	51.2
13:00:55.038	20	0.00005	0	0.00136	3.985	0.000387	51.3
13:00:56.038	20	0.00004	0	0.00109	3.252	0.000316	51.3
13:00:57.038	20.9	0.00004	0	0.00069	2.787	0.000271	51.3
13:00:58.038	21	0.00004	0.00001	0.00079	2.452	0.000239	50.5
13:00:59.038	21	0.00004	0.00002	0.00143	2.289	0.000223	49.8
13:01:00.038	20	0.00004	0.00002	0.00109	2.17	0.000211	48.4
13:01:01.038	20	0.00004	0.00003	0.00103	1.944	0.000189	47.2
13:01:02.038	20	0.00003	0.00002	0.00074	1.67	0.000163	46.9

6.00E-01	-3.000	0.700	0.000	0.636	0.000
6.00E-01	-3.200	0.700	0.000	0.638	1.000
7.00E-01	-3.300	0.700	0.000	0.655	1.700
6.00E-01	-3.400	0.600	0.000	0.570	1.500
5.00E-01	-3.400	0.500	0.000	0.471	0.000
4.00E-01	-3.500	0.400	0.000	0.373	0.000
4.00E-01	-3.500	0.400	0.000	0.365	0.000
6.00E-01	-3.500	0.700	0.000	0.617	0.200
6.00E-01	-3.500	0.700	0.000	0.634	1.000
6.00E-01	-3.500	0.700	0.000	0.627	1.000
6.00E-01	-3.600	0.700	0.000	0.625	1.000
6.00E-01	-3.600	0.700	0.000	0.622	0.100
6.00E-01	-3.600	0.700	0.000	0.623	0.000
6.00E-01	-3.600	0.700	0.000	0.623	0.000
6.00E-01	-3.600	0.700	0.000	0.630	0.000
6.00E-01	-3.600	0.700	0.000	0.628	0.000
6.00E-01	-3.600	0.700	0.000	0.631	2.000
6.00E-01	-3.700	0.700	0.000	0.637	2.800
6.00E-01	-3.700	0.700	0.000	0.633	2.000
6.00E-01	-3.700	0.700	0.000	0.631	1.000
6.00E-01	-3.700	0.700	0.000	0.630	1.000
6.00E-01	-3.700	0.700	0.000	0.632	0.300
6.00E-01	-3.700	0.700	0.000	0.628	1.000
6.00E-01	-3.700	0.700	0.000	0.630	2.400
6.00E-01	-3.700	0.700	0.000	0.626	3.000
6.00E-01	-3.700	0.700	0.000	0.626	0.900
7.00E-01	-3.700	0.800	0.000	0.702	0.000
8.00E-01	-3.700	0.900	0.000	0.802	0.000
8.00E-01	-3.700	0.900	0.000	0.806	0.000
8.00E-01	-3.700	0.900	0.000	0.803	0.000
8.00E-01	-3.700	0.900	0.000	0.801	0.000
9.00E-01	-3.700	1.000	0.000	0.898	0.000
9.00E-01	-3.700	1.000	0.000	0.899	0.000
1.00E+00	-3.700	1.100	0.000	0.980	0.000
1.00E+00	-3.700	1.100	0.000	0.979	0.000
1.00E+00	-3.700	1.100	0.000	0.978	0.000
1.10E+00	-3.700	1.200	0.000	1.053	0.000
1.10E+00	-3.700	1.200	0.000	1.063	0.000
1.10E+00	-3.700	1.200	0.000	1.065	0.000
1.10E+00	-3.700	1.300	0.000	1.150	0.000
1.20E+00	-3.700	1.300	0.000	1.162	0.000
1.20E+00	-3.700	1.300	0.000	1.182	0.000
1.20E+00	-3.700	1.300	0.000	1.193	0.700
1.20E+00	-3.800	1.300	0.000	1.198	1.700
1.20E+00	-3.800	1.300	0.000	1.190	2.400
1.20E+00	-3.800	1.300	0.000	1.193	2.800
1.20E+00	-3.800	1.300	0.000	1.198	2.000

1565	47.845	20.6	291.844471	375.177811	122.19675	17.27619	0
1543	47.145	19.3	286.5	353.063383	115.44675	17.845815	0
1525	46.58	33.9	286.5	330.948955	108.69675	17.844508	0
1517	46.102	48.8	293.666936	308.834527	101.94675	17	0
1504	45.95	57.8	287.374163	315.559584	95.876042	14.825359	0
1504	45.95	68.5	287.2	325.206702	94.834375	10.248477	0
1509	45.95	69.8	287.396952	334.853821	93.792708	8	0
1514	45.95	68.1	308.150334	344.500939	92.751042	8	0
1523	46.029	68.1	287.869599	353.356802	91.469834	8.892	0
1537	46.658	75.1	288.707567	362.187351	89.569596	9.909901	0
1554	47.2	76.9	290.145263	371.0179	87.669359	10.058072	0
1571	47.543	75	313.112202	379.848449	85.769121	11.262865	0
1585	48.373	71.4	298.448553	378.382328	83.802716	12	0
1590	48.44	69.3	292.659779	373.995074	80.943531	12.798002	0
1591	48.44	50.1	292.7	369.607819	78.084346	13	0
1586	48.175	53.4	305.983	365.220564	75.225161	14	0
1579	47.82	69.4	306.368506	366.834799	72.365976	14	0
1584	48.316	73.2	294.525954	371.033366	71.346816	14	0
1591	48.44	73.6	294.7	375.231934	70.597753	14	0
1596	48.44	68	311.493275	379.430501	69.848689	14	0
1603	48.44	57.3	312.36599	380.195351	69.099625	14	0
1599	48.44	55	295.900999	379.111274	67.934889	14.508492	0
1594	48.44	61.7	296.1	378.027198	66.706388	15	0
1596	48.44	79.2	298.612032	376.943122	65.477887	15	0
1605	48.768	83.3	317.3666	378.296176	64.249386	14	0
1620	49.459	74.6	297.2263	382.096127	67.441939	14.445	0
1626	49.207	58.8	297.997433	385.896077	71.760557	15	0
1615	49.06	66.5	298.2	389.696028	76.079175	16.510256	0
1614	49.06	74.6	329.47056	393.04633	80.397793	16.868516	0
1615	49.06	76.2	298.2	395.775688	81.70511	16	0
1617	49.06	74.6	298.499299	398.505046	81.236287	16	0
1617	49.06	75.2	298.8	401.234404	80.767464	16	0
1615	49.06	75.5	346.187298	403.99322	80.29864	16	0
1614	49.06	75.4	299.617829	407.213559	79.657224	16	0
1615	49.06	77.8	300.2	410.433898	78.712937	17	0
1618	49.06	81.7	300.540171	413.654237	77.76865	17.2836	0
1622	49.06	77.3	342.636849	416.874576	76.824363	18	0
1619	49.06	71.8	306.366311	410.23974	75.898562	18	0
1609	49.06	70.9	301.742041	402.863117	75.09984	18.949507	0
1600	48.754	48.7	302.813396	395.486494	74.301118	18.740306	0
1582	47.841	44.9	341.152261	387.74	73.502396	18.606557	0
1566	47.668	49.2	303.2	375.74	72.625442	19	0
1537	46.936	46.1	303.457201	363.74	71.615851	18.850202	0
1513	46.028	39.6	303.9	351.74	70.606259	18	0
1490	45.243	39.1	321.228253	338.895643	69.596668	18	0
1458	44.551	31	303.9	323.224526	66.787109	17.949051	0
1419	43.722	9.9	303.9	307.553408	61.376617	17	0

0.06984	0.01136	1.66618	2918.028
0.06986	0.01137	1.66681	2920.171
0.06988	0.01139	1.66681	2921.698
0.0699	0.0114	1.66691	2922.828
0.06992	0.0114	1.66828	2924.101
0.06994	0.0114	1.6713	2926.029
0.06996	0.0114	1.67501	2929.05
0.06999	0.0114	1.67795	2932.785
0.07002	0.01141	1.68032	2936.896
0.07005	0.01143	1.68221	2941.541
0.07008	0.01145	1.68401	2946.47
0.07011	0.01145	1.68533	2951.569
0.07014	0.01145	1.68627	2956.348
0.07017	0.01145	1.68727	2960.589
0.0702	0.01145	1.68816	2964.253
0.07023	0.01145	1.68928	2967.857
0.07026	0.01148	1.69021	2971.673
0.07029	0.01152	1.6913	2975.64
0.07032	0.01155	1.69298	2980.047
0.07035	0.01157	1.69507	2984.686
0.07038	0.01158	1.69639	2989.065
0.07041	0.01158	1.69761	2993.024
0.07044	0.01159	1.69837	2996.964
0.07047	0.01163	1.69958	3001.35
0.07051	0.01169	1.70204	3006.9
0.07055	0.01171	1.70493	3013.052
0.07059	0.01171	1.70642	3018.347
0.07063	0.01171	1.70735	3023.004
0.07067	0.01171	1.70862	3027.56
0.07071	0.01171	1.71043	3032.432
0.07075	0.01171	1.71212	3037.277
0.0708	0.01171	1.71326	3042.111
0.07085	0.01171	1.71439	3046.927
0.0709	0.01171	1.71555	3051.844
0.07095	0.01171	1.71677	3057.065
0.07101	0.01171	1.71807	3062.691
0.07107	0.01171	1.71936	3068.458
0.07113	0.01171	1.72059	3073.899
0.07119	0.01171	1.7218	3079.027
0.07124	0.01171	1.72316	3083.012
0.07128	0.01171	1.72425	3086.264
0.07132	0.01171	1.72494	3089.051
0.07136	0.01172	1.72573	3091.503
0.0714	0.01174	1.72716	3093.792
0.07144	0.01176	1.72825	3095.962
0.07148	0.01179	1.72928	3097.906
0.07151	0.01181	1.73002	3099.576

13:01:03.038	20	0.00006	0.00003	0.0007	2.559	0.000249	46.7
13:01:04.038	20.9	0.00007	0.00001	0	1.785	0.000174	44.9
13:01:05.038	21	0.00006	0	0	0.719	0.00007	43.4
13:01:06.038	21	0.00005	0	0.00004	0.308	0.00003	41.1
13:01:07.038	21	0.00004	0	0.00135	0.159	0.000019	39.2
13:01:08.038	21	0.00003	0	0.00159	0.108	0.000017	36.3
13:01:09.038	21	0.00004	0	0.00189	0.106	0.000019	33.8
13:01:10.038	21	0.00004	0	0.00166	0.098	0.000018	30.8
13:01:11.038	20	0.00004	0	0.00157	0.099	0.000018	28.3
13:01:12.038	20	0.00003	0	0.0014	0.08	0.000016	23.9
13:01:13.038	20	0.00002	0	0.00088	0.048	0.00001	20
13:01:14.038	20	0.00003	0	0.00129	0.133	0.000015	17.7
13:01:15.038	20	0.00007	0	0.00958	1.447	0.000143	15.8
13:01:16.038	20	0.00008	0	0.01575	6.325	0.000618	16.6
13:01:17.038	21	0.00009	0	0.0049	4.746	0.000463	17.3
13:01:18.038	20.1	0.00011	0	0.00009	4.174	0.000406	19.8
13:01:19.038	20	0.00015	0	0.00454	6.285	0.000612	22
13:01:20.038	20	0.00018	0	0.00616	9.405	0.000914	24.3
13:01:21.038	20	0.00021	0	0.00466	11.569	0.001124	26.2
13:01:22.038	20	0.00012	0	0.00071	5.756	0.00056	28.1
13:01:23.038	20	0.00011	0	0	4.092	0.000398	29.7
13:01:24.038	20	0.00011	0	0.00251	4.316	0.00042	31.8
13:01:25.038	20	0.00012	0	0.00278	5.124	0.000499	33.5
13:01:26.038	20	0.00012	0	0.00227	5.308	0.000516	34.5
13:01:27.038	20	0.00012	0	0.00227	5.603	0.000545	35.3
13:01:28.038	20	0.00014	0	0.00303	6.555	0.000637	36.8
13:01:29.038	20	0.00014	0	0.00315	6.141	0.000597	38.1
13:01:30.038	20	0.00013	0	0.00159	5.629	0.000547	39.3
13:01:31.038	20	0.00013	0	0.00203	5.23	0.000508	40.3
13:01:32.038	20	0.00012	0	0.00223	4.984	0.000484	40.9
13:01:33.038	21	0.00012	0	0.00223	4.753	0.000462	41.4
13:01:34.038	21	0.0001	0.00002	0.00184	3.995	0.000389	42.3
13:01:35.038	20	0.00009	0.00003	0.00133	3.465	0.000337	43
13:01:36.038	20	0.00013	0.00008	0.00039	4.345	0.000423	43
13:01:37.038	20	0.00019	0.00008	0.00604	7.422	0.000722	43
13:01:38.038	20	0.00022	0.00002	0.00686	10.236	0.000995	44
13:01:39.038	20	0.00027	0	0.00508	10.402	0.00101	44.8
13:01:40.038	20	0.00032	0	0.00426	11.566	0.001123	46.9
13:01:41.038	21	0.00027	0	0.00259	9.303	0.000904	48.7
13:01:42.038	20	0.00016	0	0.00035	4.787	0.000465	49.9
13:01:43.038	20	0.00015	0	0.00219	5.329	0.000519	51
13:01:44.038	20	0.0001	0	0.00359	5.199	0.000506	51.5
13:01:45.038	20	0.00006	0	0.00172	3.272	0.000318	52
13:01:46.038	20	0.00006	0	0.0005	2.851	0.000277	51.7
13:01:47.038	21	0.00005	0	0	2.117	0.000206	51.4
13:01:48.038	20.1	0.00005	0	0.00027	2.05	0.0002	51
13:01:49.038	20	0.00003	0	0.00219	2.381	0.000232	50.7

1.20E+00	-3.800	1.300	0.000	1.208	2.000	1379	42.248	0	303.9	291.882291	55.966126	16.75381	0
1.20E+00	-3.800	1.300	0.000	1.240	0.800	1320	40.629	0	293.835484	276.211174	50.555634	16	0
1.20E+00	-3.800	1.200	0.000	1.165	0.000	1240	37.859	0	304.063604	263.364829	44.652959	15.225268	0
1.10E+00	-3.900	1.100	0.000	1.076	0.000	1155	35.697	0	305.3	250.633122	36.127382	11.399556	0
1.00E+00	-3.900	1.000	0.000	0.991	0.000	1031	32.733	0	305.518002	237.901415	27.601805	8.849383	0
9.00E-01	-3.900	0.900	0.000	0.892	0.000	926	29.84	0	281.494049	225.169707	19.076229	6.636758	0
9.00E-01	-3.900	0.900	0.000	0.892	0.000	1094	27.265	0	304.983941	218.555553	11.673861	5.243243	0
9.00E-01	-3.900	0.900	0.000	0.892	0.000	994	24.487	0	306.1	212.929017	9.755396	5	0
9.00E-01	-3.900	0.900	0.000	0.884	0.000	968	21.267	0	306.1	207.302482	7.83693	3.917313	0
9.00E-01	-3.900	0.900	0.000	0.883	0.000	960	18.1	0	276.073006	201.675946	5.918465	3	0
9.00E-01	-3.900	0.900	0.000	0.883	0.000	1034	15.86	0	293.994611	225.481812	4	3	0
9.00E-01	-3.900	0.900	0.000	0.883	0.000	1073	14.994	39.1	305.451351	257.064381	68.530892	3	0
9.00E-01	-3.900	0.900	0.000	0.864	0.000	1701	15.534	80.4	304.632902	288.64695	133.061785	3	0
8.00E-01	-3.900	0.900	0.000	0.826	0.000	1865	18.965	82	305.933375	320.229518	197.592677	0.243902	0
1.50E+00	-3.800	1.700	0.000	1.514	0.000	1584	20.967	64.4	314.317073	347.57829	262.12357	19.569412	0
1.90E+00	-3.800	2.100	0.000	1.915	0.000	1595	22.464	77.8	301.262203	369.337662	265.098058	23	0
1.90E+00	-3.800	2.100	0.000	1.898	0.000	1723	24.644	87.5	299.611851	391.097035	231.920374	21.7654	0
1.90E+00	-3.800	2.100	0.000	1.863	0.000	1896	26.862	84.4	298.380688	412.856408	198.742689	21.813793	0
1.90E+00	-3.800	2.100	0.000	1.852	0.000	1966	29.746	56.4	344.797803	425.160147	165.565004	23.120996	0
1.90E+00	-3.800	2.100	0.000	1.878	0.000	1799	31.33	52	294.131057	419.903423	145.37594	25.458655	0
1.90E+00	-3.800	2.100	0.000	1.905	0.000	1781	32.041	68	292.587396	414.646699	135.350877	27	0
1.90E+00	-3.800	2.100	0.000	1.901	0.000	1838	33.44	73.6	292	409.389976	125.325815	26.351199	0
1.90E+00	-3.800	2.100	0.000	1.888	0.000	1896	34.291	71.3	338.597961	407.020075	115.300752	26	0
2.00E+00	-3.800	2.200	0.000	1.969	0.000	1772	35.277	75.4	289.551804	412.866518	115.403599	26.201201	0
2.00E+00	-3.800	2.200	0.000	1.961	0.000	1569	36.606	87.2	290	418.712961	123.115681	27	0
2.00E+00	-3.800	2.300	0.000	2.041	0.000	1605	37.662	82.4	289.578681	424.559404	130.827763	27	0
2.20E+00	-3.800	2.500	0.000	2.200	0.000	1652	38.953	77.2	346.605644	430.396675	138.539846	27	0
2.30E+00	-3.800	2.600	0.000	2.302	0.000	1695	39.918	75.6	289.371903	427.071203	139.346882	27.922667	0
2.30E+00	-3.800	2.600	0.000	2.307	0.000	1727	41.1	76.3	290	423.745731	123.411547	28	0
2.30E+00	-3.800	2.600	0.000	2.308	0.000	1758	41.829	72.9	290.183255	420.420259	107.476212	28	0
2.30E+00	-3.800	2.600	0.000	2.329	0.200	1785	42.23	60.6	323.48	417.094788	91.540878	28	0
2.30E+00	-3.800	2.600	0.000	2.336	1.200	1731	42.707	38.1	309.085138	419.294155	75.605543	27.472222	0
2.30E+00	-3.800	2.600	0.000	2.331	2.600	1457	42.85	42	291.825	423.228656	188.095669	27	0
2.40E+00	-3.800	2.600	0.000	2.353	4.400	1411	42.85	91.5	292.626404	427.163157	305.658734	27	0
2.20E+00	-3.800	2.500	0.000	2.239	3.000	1441	43.594	93.3	297.363631	431.097657	423.221799	22.803674	0
2.20E+00	-3.800	2.500	0.000	2.199	0.600	1492	44.961	88.8	341.550384	438.714499	540.784864	23.187982	0
2.70E+00	-3.800	3.100	0.000	2.701	0.000	1537	46.18	87.8	298.052747	452.765321	552.891403	26.34202	0
3.00E+00	-3.500	3.400	0.000	2.970	0.000	1585	47.595	88.6	300.953846	466.816143	531.69588	28	0
3.00E+00	-3.200	3.400	0.000	3.015	-0.400	1606	49.06	70	303.319708	480.866966	510.500357	29.596491	0
2.90E+00	-3.200	3.200	0.000	2.888	-0.700	1618	49.245	71.2	374.62675	484.471516	489.304834	30.060787	0
2.30E+00	-3.200	2.500	0.000	2.298	-1.000	1638	49.964	78.9	306.386364	468.675847	440.116612	30.534577	1
1.70E+00	-3.200	1.900	0.000	1.716	-0.200	1656	50.666	65.3	307.555838	452.880179	369.023229	28.65	1
1.70E+00	-3.200	1.900	0.000	1.689	-1.000	1509	50.92	31.3	309.333176	437.08451	297.929845	28	1
1.60E+00	-3.300	1.800	0.000	1.625	-1.000	1377	50.3	30.4	363.629873	421.936124	226.836462	28.739675	0
1.40E+00	-3.300	1.500	0.000	1.399	0.000	1381	50.209	39.7	310.577547	412.486364	175.493522	29	0
1.20E+00	-3.400	1.300	0.000	1.211	0.000	1379	49.68	65.9	311.360865	403.036603	170.455134	27.135162	0
8.00E-01	-3.500	0.800	0.000	0.758	0.000	1376	49.68	66.5	312.838344	393.586842	165.416747	21.714286	0

0.07157	0.01184	1.73072	3102.135
0.07164	0.01185	1.73072	3103.92
0.0717	0.01185	1.73072	3104.639
0.07175	0.01185	1.73076	3104.947
0.07179	0.01185	1.73211	3105.106
0.07182	0.01185	1.7337	3105.214
0.07186	0.01185	1.73559	3105.32
0.0719	0.01185	1.73725	3105.418
0.07194	0.01185	1.73882	3105.517
0.07197	0.01185	1.74022	3105.597
0.07199	0.01185	1.7411	3105.645
0.07202	0.01185	1.74239	3105.778
0.07209	0.01185	1.75197	3107.225
0.07217	0.01185	1.76772	3113.55
0.07226	0.01185	1.77262	3118.296
0.07237	0.01185	1.77271	3122.47
0.07252	0.01185	1.77725	3128.755
0.0727	0.01185	1.78341	3138.16
0.07291	0.01185	1.78807	3149.729
0.07303	0.01185	1.78878	3155.485
0.07314	0.01185	1.78878	3159.577
0.07325	0.01185	1.79129	3163.893
0.07337	0.01185	1.79407	3169.017
0.07349	0.01185	1.79634	3174.325
0.07361	0.01185	1.79861	3179.928
0.07375	0.01185	1.80164	3186.483
0.07389	0.01185	1.80479	3192.624
0.07402	0.01185	1.80638	3198.253
0.07415	0.01185	1.80841	3203.483
0.07427	0.01185	1.81064	3208.467
0.07439	0.01185	1.81287	3213.22
0.07449	0.01187	1.81471	3217.215
0.07458	0.0119	1.81604	3220.68
0.07471	0.01198	1.81643	3225.025
0.0749	0.01206	1.82247	3232.447
0.07512	0.01208	1.82933	3242.683
0.07539	0.01208	1.83441	3253.085
0.07571	0.01208	1.83867	3264.651
0.07598	0.01208	1.84126	3273.954
0.07614	0.01208	1.84161	3278.741
0.07629	0.01208	1.8438	3284.07
0.07639	0.01208	1.84739	3289.269
0.07645	0.01208	1.84911	3292.541
0.07651	0.01208	1.84961	3295.392
0.07656	0.01208	1.84961	3297.509
0.07661	0.01208	1.84988	3299.559
0.07664	0.01208	1.85207	3301.94

13:01:50.038	20	0.00002	0	0.00257	2.549	0.000249	50.7
13:01:51.038	20	0.00002	0	0.00189	2.667	0.00026	50.7
13:01:52.038	20	0.00002	0	0.00088	2.168	0.000211	51.1
13:01:53.038	21	0.00002	0	0.00059	1.83	0.000178	51.4
13:01:54.038	20	0.00002	0	0.00129	2.056	0.0002	51
13:01:55.038	20	0.00002	0	0.00138	2.22	0.000216	50.7
13:01:56.038	20	0.00002	0.00001	0.0014	2.375	0.000231	50.6
13:01:57.038	20	0.00002	0.00001	0.0015	2.628	0.000256	50.5
13:01:58.038	20.9	0.00002	0	0.00149	3.006	0.000293	49.9
13:01:59.038	20	0.00002	0	0.00118	3.152	0.000307	49.4
13:02:00.038	20.9	0.00002	0	0.00168	3.29	0.00032	48.8
13:02:01.038	21	0.00003	0	0.00121	3.617	0.000352	48.2
13:02:02.038	21	0.00003	0	0.0012	3.476	0.000338	48.2
13:02:03.038	21	0.00002	0	0.00112	3.098	0.000301	48.2
13:02:04.038	21	0.00002	0	0.00096	2.819	0.000274	48.6
13:02:05.038	21	0.00002	0	0.00073	2.379	0.000232	49
13:02:06.038	20	0.00002	0	0.00036	2.21	0.000215	48.8
13:02:07.038	20.9	0.00002	0.00001	0.00118	2.292	0.000223	48.6
13:02:08.038	21	0.00002	0.00001	0.00178	2.6	0.000253	48.4
13:02:09.038	21	0.00003	0.00001	0.00223	3.374	0.000329	48.3
13:02:10.038	21	0.00003	0	0.0022	3.994	0.000389	48.5
13:02:11.038	21	0.00003	0	0.00177	3.902	0.00038	48.7
13:02:12.038	21	0.00003	0	0.00121	3.422	0.000333	48.4
13:02:13.038	21	0.00003	0	0.00111	3.012	0.000293	48.2
13:02:14.038	21	0.00003	0	0.00089	2.525	0.000246	48.8
13:02:15.038	21	0.00003	0	0.00078	2.166	0.000211	49.4
13:02:16.038	21	0.00003	0	0.00068	2.006	0.000195	48.6
13:02:17.038	21	0.00003	0.00001	0.00063	1.882	0.000183	48
13:02:18.038	21	0.00003	0.00002	0.00136	1.859	0.000181	48.1
13:02:19.038	20.1	0.00003	0.00002	0.00147	1.821	0.000178	48.1
13:02:20.038	21	0.00003	0.00002	0.00136	1.992	0.000194	47.8
13:02:21.038	21	0.00003	0.00002	0.00109	1.955	0.000191	47.5
13:02:22.038	21	0.00003	0.00001	0.00118	2.222	0.000217	47.6
13:02:23.038	20.1	0.00004	0.00001	0.00141	2.41	0.000235	47.6
13:02:24.038	20	0.00004	0.00001	0.00148	2.729	0.000266	47.3
13:02:25.038	21	0.00004	0	0.00203	2.837	0.000276	47.1
13:02:26.038	20	0.00004	0	0.00173	2.632	0.000256	47.3
13:02:27.038	20	0.00004	0	0.00114	2.409	0.000234	47.4
13:02:28.038	21	0.00004	0	0.00052	2.054	0.0002	46.5
13:02:29.038	21	0.00004	0	0.00016	1.645	0.00016	45.8
13:02:30.038	20	0.00004	0	0.0003	1.425	0.000139	45.4
13:02:31.038	20	0.00004	0	0.00029	1.034	0.000101	45
13:02:32.038	20	0.00003	0	0.00016	0.602	0.000059	44.1
13:02:33.038	20	0.00005	0	0.00025	0.817	0.00008	43.4
13:02:34.038	20	0.00005	0	0.00042	0.531	0.000052	44
13:02:35.038	20	0.00004	0	0.00078	0.3	0.000029	44.5
13:02:36.038	20	0.00004	0	0.00108	0.188	0.000019	42.4

6.00E-01	-3.600	0.700	0.000	0.637	0.000	1365	49.68	55.4	338.653426	384.137081	160.378359	19	0
6.00E-01	-3.600	0.700	0.000	0.633	0.000	1360	49.68	51.6	317.878339	374.926381	154.389598	19.722611	0
6.00E-01	-3.600	0.700	0.000	0.639	0.000	1351	48.942	52.5	315.012297	365.735905	142.096454	20.940741	0
6.00E-01	-3.700	0.700	0.000	0.648	0.000	1337	48.44	45	316.538806	356.545429	129.80331	21	0
6.00E-01	-3.700	0.700	0.000	0.643	0.000	1326	48.113	52.9	323.803641	347.354952	117.510165	21	0
6.00E-01	-3.700	0.700	0.000	0.643	0.400	1321	47.82	58.7	322.368501	347.731555	105.217021	20.537736	0
6.00E-01	-3.800	0.700	0.000	0.641	1.000	1315	47.354	58.9	318.796396	351.791879	102.319814	19.451613	0
6.00E-01	-3.800	0.700	0.000	0.636	1.000	1308	47.2	59.3	320.383848	355.852204	100.455012	19	0
6.00E-01	-3.800	0.700	0.000	0.638	0.000	1301	47.2	64.2	322.198996	359.912529	98.59021	19	0
6.00E-01	-3.800	0.700	0.000	0.631	0.000	1298	47.2	67.3	336.156243	363.537089	96.725408	19.12	0
6.00E-01	-3.800	0.700	0.000	0.633	0.000	1296	46.916	68.2	323.133465	366.539731	94.340084	20	0
6.00E-01	-3.800	0.700	0.000	0.632	0.000	1298	46.58	72.2	324.04253	369.542373	91.623364	20.340541	0
7.00E-01	-3.800	0.800	0.000	0.713	0.000	1293	47.153	74.3	325.009648	372.545016	88.906644	21.661499	0
7.00E-01	-3.800	0.800	0.000	0.721	0.000	1292	47.073	56	346.309623	372.58131	86.189923	22	0
7.00E-01	-3.800	0.800	0.000	0.721	0.000	1289	46.58	44.2	326.086364	363.670911	83.913747	23	0
7.00E-01	-3.800	0.800	0.000	0.728	0.000	1281	46.58	45.7	326.5	354.760511	81.980913	23.364486	0
6.00E-01	-3.800	0.700	0.000	0.646	0.200	1276	46.023	51.1	327.0796	345.850112	80.048079	23.387097	0
6.00E-01	-3.800	0.700	0.000	0.645	1.000	1277	45.95	58.9	332.251418	340.985967	78.115245	23	0
6.00E-01	-3.800	0.700	0.000	0.644	1.000	1276	45.95	69.8	327.2	350.467636	80.950278	22	0
6.00E-01	-3.900	0.700	0.000	0.639	0.800	1282	46.367	79.3	327.625979	359.949305	90.288995	21.58076	0
6.00E-01	-3.900	0.700	0.000	0.632	0.000	1293	46.58	79.3	327.347585	369.430973	99.627713	21.601885	0
7.00E-01	-3.800	0.800	0.000	0.718	0.000	1299	47.2	63.9	348.397765	374.403332	108.966431	22	0
8.00E-01	-3.800	0.900	0.000	0.802	0.000	1306	47.2	55.2	327.9	366.868734	110.844959	23.124444	0
8.00E-01	-3.700	0.900	0.000	0.812	0.000	1303	47.2	50.6	327.590562	359.334136	104.001053	24	0
9.00E-01	-3.700	1.000	0.000	0.908	0.000	1296	47.2	43.5	327.2	351.799539	97.157147	24.608553	0
9.00E-01	-3.800	1.000	0.000	0.913	0.000	1290	46.58	42.4	334.179762	344.80385	90.31324	25	0
9.00E-01	-3.800	1.000	0.000	0.919	0.200	1284	46.58	45.1	326.559647	338.75385	86.228224	25	0
9.00E-01	-3.800	1.000	0.000	0.925	1.000	1279	46.58	47.1	325.8	332.70385	83.551825	25	0
9.00E-01	-3.800	1.000	0.000	0.926	2.000	1288	45.977	56.2	325.8	326.65385	80.875426	23.563015	0
9.00E-01	-3.800	1.000	0.000	0.918	2.000	1265	45.95	51.1	324.325517	322.739943	78.199027	22.931818	0
9.00E-01	-3.800	1.000	0.000	0.924	2.000	1261	45.709	50.4	324.638991	322.574498	77.130158	22	0
9.00E-01	-3.800	1.000	0.000	0.922	2.000	1256	45.33	48.5	324.838721	322.409052	77.365951	21.835632	0
1.00E+00	-3.800	1.100	0.000	1.013	1.300	1254	45.33	58.2	323.849552	322.243607	77.601745	21	0
1.10E+00	-3.800	1.200	0.000	1.095	1.000	1254	45.33	65.7	322.882648	322.078522	77.837538	21	0
1.10E+00	-3.800	1.200	0.000	1.089	1.000	1251	45.33	67.9	323.504158	321.915807	78	21	0
1.20E+00	-3.800	1.300	0.000	1.173	0.300	1247	45.33	56.4	322.709756	321.753092	78	21	0
1.20E+00	-3.800	1.400	0.000	1.245	0.000	1241	45.091	36.7	322.1	321.590377	78	21.118182	0
1.40E+00	-3.800	1.600	0.000	1.422	0.000	1232	44.71	26	321.679315	321.427662	78	22.391463	0
1.50E+00	-3.800	1.700	0.000	1.537	0.000	1218	44.71	23.6	320.767878	309.430324	77.947731	23	0
1.60E+00	-3.800	1.700	0.000	1.566	0.000	1206	44.182	6.1	320.029861	295.009028	72.720836	23.650651	0
1.60E+00	-3.800	1.700	0.000	1.576	0.000	1189	43.459	5.3	319.9	280.587731	67.493942	23.225	0
1.40E+00	-3.800	1.500	0.000	1.417	0.000	1160	42.69	5	313.696053	266.166435	62.267047	22.998765	0
1.40E+00	-3.900	1.500	0.000	1.425	0.000	1119	42.23	1	303.31762	254.229751	57.040152	21.741892	0
1.20E+00	-3.900	1.200	0.000	1.170	0.000	1087	41.03	0	318.076535	244.680244	50.147945	20.106931	0
1.10E+00	-3.900	1.100	0.000	1.062	0.000	1039	39.412	0	317.8	235.130737	42.842009	17.954976	0
1.00E+00	-4.000	1.000	0.000	0.980	0.000	995	37.953	0	317.8	225.581229	35.536073	14.90281	0
1.00E+00	-4.000	1.000	0.000	0.989	0.000	985	35.716	0	272.972959	218.682782	28.230137	12.192214	0

0.07666	0.01208	1.85464	3304.489
0.07668	0.01208	1.85653	3307.156
0.0767	0.01208	1.85741	3309.324
0.07672	0.01208	1.858	3311.154
0.07674	0.01208	1.85929	3313.21
0.07676	0.01208	1.86067	3315.43
0.07678	0.01209	1.86207	3317.805
0.0768	0.0121	1.86357	3320.433
0.07682	0.0121	1.86506	3323.439
0.07684	0.0121	1.86624	3326.591
0.07686	0.0121	1.86792	3329.881
0.07689	0.0121	1.86913	3333.498
0.07692	0.0121	1.87033	3336.974
0.07694	0.0121	1.87145	3340.072
0.07696	0.0121	1.87241	3342.891
0.07698	0.0121	1.87314	3345.27
0.077	0.0121	1.8735	3347.48
0.07702	0.01211	1.87468	3349.772
0.07704	0.01212	1.87646	3352.372
0.07707	0.01213	1.87869	3355.746
0.0771	0.01213	1.88089	3359.74
0.07713	0.01213	1.88266	3363.642
0.07716	0.01213	1.88387	3367.064
0.07719	0.01213	1.88498	3370.076
0.07722	0.01213	1.88587	3372.601
0.07725	0.01213	1.88665	3374.767
0.07728	0.01213	1.88733	3376.773
0.07731	0.01214	1.88796	3378.655
0.07734	0.01216	1.88932	3380.514
0.07737	0.01218	1.89079	3382.335
0.0774	0.0122	1.89215	3384.327
0.07743	0.01222	1.89324	3386.282
0.07746	0.01223	1.89442	3388.504
0.0775	0.01224	1.89583	3390.914
0.07754	0.01225	1.89731	3393.643
0.07758	0.01225	1.89934	3396.48
0.07762	0.01225	1.90107	3399.112
0.07766	0.01225	1.90221	3401.521
0.0777	0.01225	1.90273	3403.575
0.07774	0.01225	1.90289	3405.22
0.07778	0.01225	1.90319	3406.645
0.07782	0.01225	1.90348	3407.679
0.07785	0.01225	1.90364	3408.281
0.0779	0.01225	1.90389	3409.098
0.07795	0.01225	1.90431	3409.629
0.07799	0.01225	1.90509	3409.929
0.07803	0.01225	1.90617	3410.117

13:02:37.038	20	0.00004	0	0.00173	0.118	0.000019	40.6
13:02:38.038	20	0.00003	0	0.0015	0.084	0.000017	37.6
13:02:39.038	20	0.00003	0	0.00139	0.087	0.000016	35
13:02:40.038	20	0.00004	0	0.00332	0.148	0.00002	32.2
13:02:41.038	20	0.00005	0	0.00894	2.844	0.000279	29.9
13:02:42.038	20	0.00009	0	0.0141	7.36	0.000718	30.3
13:02:43.038	20	0.00024	0	0.00794	10.818	0.001051	30.7
13:02:44.038	20	0.00034	0	0.00515	13.179	0.00128	34.1
13:02:45.038	20	0.00032	0	0.0041	11.196	0.001087	37.1
13:02:46.038	20	0.00034	0	0.00418	11.109	0.001079	39.8
13:02:47.038	20	0.0002	0	0.00187	5.867	0.00057	42.2
13:02:48.038	20	0.00023	0	0.00139	7.44	0.000723	44.2
13:02:49.038	20	0.00021	0	0.0037	8.824	0.000858	45.8
13:02:50.038	20	0.00017	0	0.00318	9.362	0.00091	47.1
13:02:51.038	20	0.00012	0	0.002	6.7	0.000651	48.2
13:02:52.038	20	0.00009	0	0.00157	4.46	0.000434	49.7
13:02:53.038	20	0.00007	0	0.00175	4.312	0.00042	51
13:02:54.038	20	0.00006	0	0.00272	3.94	0.000383	51.8
13:02:55.038	20	0.00005	0	0.00142	3.303	0.000321	52.5
13:02:56.038	20	0.00004	0.00001	0.00053	2.891	0.000281	52.6
13:02:57.038	20	0.00004	0.00002	0.00079	2.672	0.00026	52.6
13:02:58.038	20	0.00004	0.00002	0.00146	2.699	0.000263	52.1
13:02:59.038	20	0.00003	0.00001	0.00149	2.793	0.000272	51.6
13:03:00.038	20	0.00004	0	0.00152	2.996	0.000292	51.9
13:03:01.038	20	0.00004	0	0.00198	3.352	0.000326	52.1
13:03:02.038	20	0.00004	0	0.00171	3.804	0.00037	51.9
13:03:03.038	20	0.00004	0	0.00144	4.263	0.000415	51.8
13:03:04.038	20	0.00004	0	0.00146	4.166	0.000405	52
13:03:05.038	20	0.00004	0	0.00181	3.974	0.000386	52.2
13:03:06.038	20	0.00004	0	0.00134	3.658	0.000356	52.2
13:03:07.038	20	0.00003	0	0.00144	3.399	0.000331	52.2
13:03:08.038	20	0.00004	0	0.00144	3.448	0.000335	52.7
13:03:09.038	20	0.00004	0	0.00162	3.557	0.000346	53.2
13:03:10.038	20	0.00004	0.00001	0.00209	3.914	0.000381	53.8
13:03:11.038	20	0.00004	0	0.00221	3.93	0.000382	54.3
13:03:12.038	20	0.00004	0	0.00129	4.029	0.000392	55
13:03:13.038	20	0.00004	0	0.00169	4.032	0.000392	55.6
13:03:14.038	20	0.00004	0	0.00175	4.021	0.000391	55.8
13:03:15.038	20	0.00005	0	0.00192	4.864	0.000473	56
13:03:16.038	20	0.00008	0	0.00324	7.306	0.00071	56.4
13:03:17.038	20	0.00011	0	0.0058	11.208	0.001089	56.7
13:03:18.038	20	0.00016	0	0.00303	11.434	0.00111	58.1
13:03:19.038	20	0.0001	0	0.00026	5.127	0.000498	59.3
13:03:20.038	20	0.00005	0	0	1.628	0.000158	59.8
13:03:21.038	20	0.00009	0	0	1.964	0.000191	60.3
13:03:22.038	20	0.00007	0	0	1.007	0.000098	59.5
13:03:23.038	20	0.00005	0	0	0.426	0.000042	58.9

1.00E+00	-4.000	1.000	0.000	0.989	0.000	1061	33.516	0	315.5	219.823033	37.808028	9.940079	0
9.00E-01	-4.000	0.900	0.000	0.897	0.000	965	31.13	0	315.3325	220.963284	70.606193	8.897862	0
9.00E-01	-4.000	0.900	0.000	0.890	0.000	1114	29.512	20.3	314.499167	222.103535	103.404358	7	0
9.00E-01	-4.000	0.900	0.000	0.888	0.000	1266	29.627	60.2	284.077375	223.243786	136.202523	6.559539	0
8.00E-01	-4.100	0.900	0.000	0.844	0.000	1312	30.925	99.6	305.698241	269.164507	175.124968	2.025882	0
1.00E+00	-4.100	1.100	0.000	0.973	0.000	1396	32.919	97.6	311.928619	322.194064	308.321162	8.618681	0
2.30E+00	-4.100	2.600	0.000	2.326	0.000	1497	35.09	91.9	310.940426	375.223621	441.517357	26.295238	0
2.70E+00	-4.000	3.100	0.000	2.712	0.000	1606	37.563	83.5	345.904645	428.253177	574.713551	31.723457	0
3.00E+00	-3.800	3.400	0.000	2.988	-0.600	1712	39.798	74.4	309.37872	443.8457	665.64052	33.709251	0
3.30E+00	-3.200	3.700	0.000	3.254	-1.000	1805	42.215	85.2	306.133529	450.253794	553.085403	35.589693	0
3.30E+00	-3.100	3.700	0.000	3.292	-1.000	1857	43.701	64.2	304.501724	456.661889	440.530285	36	1
2.80E+00	-3.100	3.200	0.000	2.816	-1.000	1905	44.98	74.4	334.655006	463.069983	327.975168	35.822864	1
2.20E+00	-3.100	2.500	0.000	2.246	-0.300	1959	46.154	80.5	334.810464	461.540315	215.420051	34.586331	1
1.80E+00	-3.200	2.000	0.000	1.780	0.000	2020	47.565	78.7	303.721508	455.773928	186.998518	34.569677	1
1.70E+00	-3.400	1.900	0.000	1.694	0.000	2047	49.008	60.2	303.9	450.007541	171.93307	34.277647	1
1.60E+00	-3.600	1.800	0.000	1.634	0.000	1631	49.239	77.2	319.770213	444.241153	156.867622	33.020513	1
1.40E+00	-4.000	1.500	0.000	1.360	0.000	1644	50.042	73.1	336.87957	434.288132	141.802173	32	1
1.30E+00	-4.100	1.400	0.000	1.254	0.000	1647	50.3	47.8	305.786026	421.47354	129.421276	31.555446	1
1.30E+00	-4.100	1.400	0.000	1.254	0.000	1441	50.3	54.2	306.1	408.658947	117.653801	31	1
1.30E+00	-4.100	1.400	0.000	1.260	0.600	1386	50.3	50.5	306.1	395.844355	105.886326	30.298368	0
1.20E+00	-4.100	1.300	0.000	1.186	2.000	1383	50.164	55.3	340.195244	385.704165	94.118851	30	0
1.00E+00	-4.200	1.100	0.000	1.006	2.000	1381	49.68	60	307.755622	383.058403	88.717005	28.800397	0
9.00E-01	-4.200	1.000	0.000	0.909	0.800	1382	49.68	64.7	308.2	380.412641	88.216128	27.773099	0
9.00E-01	-4.200	1.000	0.000	0.906	0.000	1383	50.08	65.1	308.676655	377.766879	87.715252	27	0
9.00E-01	-4.200	1.000	0.000	0.902	0.000	1385	50.3	69.1	340.677661	376.263698	87.214375	26.199324	0
9.00E-01	-4.200	1.000	0.000	0.897	0.000	1389	50.3	74.5	310.380488	379.93054	86.57207	26	0
9.00E-01	-4.200	1.000	0.000	0.894	0.000	1394	50.3	77.6	311.588706	383.597381	85.82394	26	0
9.00E-01	-4.200	1.000	0.000	0.891	0.000	1402	50.889	69.5	312.522	387.264222	85.07581	26	0
9.00E-01	-4.200	1.000	0.000	0.891	0.000	1403	50.92	70.8	342.196127	387.928466	84.327681	26	0
9.00E-01	-4.200	1.000	0.000	0.891	0.000	1411	51.237	66.1	314.8	383.323689	83.03294	26	0
9.00E-01	-4.200	1.000	0.000	0.893	0.000	1416	51.54	51.8	315.791765	378.718912	81.312193	26	0
9.00E-01	-4.200	1.000	0.000	0.897	0.000	1422	51.54	66.2	316.3	374.114134	79.591445	26	0
9.00E-01	-4.200	1.000	0.000	0.901	0.300	1432	51.682	71.1	339.380118	371.749784	77.870698	26	1
9.00E-01	-4.200	1.000	0.000	0.898	0.400	1443	52.374	67.6	318.226026	374.563636	77.357885	25	1
9.00E-01	-4.200	1.000	0.000	0.891	0.000	1457	52.78	63.7	319.2	377.377489	78.082347	25	1
1.00E+00	-4.200	1.100	0.000	0.973	0.000	1470	53.256	74.9	319.680851	380.191342	78.80681	25.43318	1
1.00E+00	-4.100	1.100	0.000	0.983	0.000	1482	54.03	73	351.100714	384.819524	79.531273	26	1
1.00E+00	-4.100	1.100	0.000	0.982	0.000	1495	54.156	70.9	320.013663	400.232882	111.098791	25	1
1.00E+00	-4.100	1.100	0.000	0.982	0.000	1510	54.65	77.6	320.76168	415.64624	199.19735	25	1
1.00E+00	-4.100	1.100	0.000	0.979	0.000	1532	55.271	94.2	321.715765	431.059598	287.295909	26	1
1.10E+00	-4.100	1.200	0.000	1.055	0.000	1567	56.322	92	363.215946	446.472957	375.394468	26.442144	1
1.50E+00	-4.100	1.700	0.000	1.474	0.000	1611	57.611	83.1	333.536	432.588855	454.980237	28.917453	1
1.90E+00	-4.000	2.100	0.000	1.860	-0.200	1585	58.306	16.7	323.6	414.014442	376.161358	30	1
2.00E+00	-3.900	2.200	0.000	2.012	-1.000	1244	57.714	0	323.6	395.440028	297.342478	32.424419	1
2.00E+00	-3.900	2.100	0.000	1.980	-0.800	1238	56.937	0	329.314068	376.865614	218.523599	31.947566	1
1.50E+00	-4.000	1.500	0.000	1.465	0.000	1217	55.846	0	334.935329	360.052586	139.70472	29.579009	1
1.10E+00	-4.200	1.100	0.000	1.087	0.000	1196	54.898	0	323.154941	344.651841	116.696035	24.029087	1

0.07807	0.01225	1.9079	3410.235
0.0781	0.01225	1.9094	3410.319
0.07813	0.01225	1.91079	3410.406
0.07817	0.01225	1.91411	3410.554
0.07822	0.01225	1.92305	3413.398
0.07831	0.01225	1.93715	3420.758
0.07855	0.01225	1.94509	3431.576
0.07889	0.01225	1.95024	3444.755
0.07921	0.01225	1.95434	3455.951
0.07955	0.01225	1.95852	3467.06
0.07975	0.01225	1.96039	3472.927
0.07998	0.01225	1.96178	3480.367
0.08019	0.01225	1.96548	3489.191
0.08036	0.01225	1.96866	3498.553
0.08048	0.01225	1.97066	3505.253
0.08057	0.01225	1.97223	3509.713
0.08064	0.01225	1.97398	3514.025
0.0807	0.01225	1.9767	3517.965
0.08075	0.01225	1.97812	3521.268
0.08079	0.01226	1.97865	3524.159
0.08083	0.01228	1.97944	3526.831
0.08087	0.0123	1.9809	3529.53
0.0809	0.01231	1.98239	3532.323
0.08094	0.01231	1.98391	3535.319
0.08098	0.01231	1.98589	3538.671
0.08102	0.01231	1.9876	3542.475
0.08106	0.01231	1.98904	3546.738
0.0811	0.01231	1.9905	3550.904
0.08114	0.01231	1.99231	3554.878
0.08118	0.01231	1.99365	3558.536
0.08121	0.01231	1.99509	3561.935
0.08125	0.01231	1.99653	3565.383
0.08129	0.01231	1.99815	3568.94
0.08133	0.01232	2.00024	3572.854
0.08137	0.01232	2.00245	3576.784
0.08141	0.01232	2.00374	3580.813
0.08145	0.01232	2.00543	3584.845
0.08149	0.01232	2.00718	3588.866
0.08154	0.01232	2.0091	3593.73
0.08162	0.01232	2.01234	3601.036
0.08173	0.01232	2.01814	3612.244
0.08189	0.01232	2.02117	3623.678
0.08199	0.01232	2.02143	3628.805
0.08204	0.01232	2.02143	3630.433
0.08213	0.01232	2.02143	3632.397
0.0822	0.01232	2.02143	3633.404
0.08225	0.01232	2.02143	3633.83

13:03:24.038	20	0.00003	0	0.00038	0.157	0.000015	58.5
13:03:25.038	20	0.00002	0	0.00106	0.106	0.000012	58.1
13:03:26.038	20	0.00002	0	0.00166	0.242	0.000024	57
13:03:27.038	20	0.00002	0	0.00249	0.657	0.000064	56
13:03:28.038	20	0.00002	0	0.00286	1.373	0.000134	54.6
13:03:29.038	20	0.00002	0	0.00249	2.287	0.000223	53.3
13:03:30.038	20	0.00002	0	0.00199	2.758	0.000269	53.4
13:03:31.038	20	0.00002	0.00001	0.00186	2.997	0.000292	53.4
13:03:32.038	20	0.00002	0	0.00161	2.903	0.000282	53.5
13:03:33.038	20	0.00002	0	0.00133	2.946	0.000286	53.5
13:03:34.038	20	0.00002	0	0.00104	3.033	0.000295	53.2
13:03:35.038	20	0.00003	0	0.00116	3.797	0.000369	52.9
13:03:36.038	20	0.00003	0	0.00274	5.159	0.000502	52.9
13:03:37.038	20	0.00004	0	0.00366	6.936	0.000674	52.9
13:03:38.038	20	0.00005	0	0.00337	7.743	0.000752	52.4
13:03:39.038	20	0.00007	0	0.00285	8.305	0.000806	51.9
13:03:40.038	20	0.00009	0	0.00239	8.267	0.000802	52.1
13:03:41.038	20	0.00009	0	0.00225	7.652	0.000743	52.2
13:03:42.038	20	0.00009	0	0.0022	7.419	0.00072	52.8
13:03:43.038	20	0.00009	0	0.00245	7.24	0.000703	53.4
13:03:44.038	20	0.00009	0	0.00255	7.356	0.000714	53.8
13:03:45.038	20	0.00009	0	0.00239	7.4	0.000718	54.2
13:03:46.038	20	0.00009	0	0.00217	7.32	0.00071	53.8
13:03:47.038	20	0.00009	0	0.00211	7.057	0.000685	53.4
13:03:48.038	20	0.00009	0	0.00203	6.664	0.000647	52.8
13:03:49.038	20	0.00009	0	0.0019	6.13	0.000595	52.2
13:03:50.038	20	0.00007	0	0.00138	4.84	0.00047	52.5
13:03:51.038	20	0.00005	0	0.00078	3.376	0.000328	52.8
13:03:52.038	20	0.00005	0	0.0007	3.008	0.000292	52.6
13:03:53.038	20	0.00005	0	0.00092	2.71	0.000264	52.4
13:03:54.038	20	0.00005	0	0.00078	2.689	0.000262	51.7
13:03:55.038	20	0.00005	0.00001	0.00088	2.523	0.000246	51.1
13:03:56.038	20	0.00005	0.00001	0.00098	2.69	0.000262	51
13:03:57.038	20	0.00006	0.00001	0.00136	3.08	0.0003	50.9
13:03:58.038	20	0.00007	0.00002	0.00209	3.564	0.000347	49.9
13:03:59.038	20	0.00008	0.00001	0.00294	4.52	0.00044	49.1
13:04:00.038	20	0.00009	0	0.00223	4.896	0.000476	49.5
13:04:01.038	20	0.00008	0	0.00126	4.097	0.000398	49.8
13:04:02.038	20	0.00008	0	0.0009	3.575	0.000347	50.4
13:04:03.038	20	0.00008	0	0.00069	3.005	0.000292	50.9
13:04:04.038	20	0.00007	0	0.00071	2.588	0.000252	51.8
13:04:05.038	20	0.00007	0	0.0011	2.338	0.000228	52.5
13:04:06.038	20	0.00007	0	0.00129	2.26	0.00022	51.8
13:04:07.038	20	0.00007	0.00001	0.00105	2.282	0.000222	51.2
13:04:08.038	20	0.00007	0.00001	0.00114	2.323	0.000226	50.8
13:04:09.038	20	0.00009	0.00001	0.00158	3.173	0.000309	50.5
13:04:10.038	20	0.00011	0.00001	0.00256	4.093	0.000399	51.1

8.00E-01	-4.400	0.800	0.000	0.787	0.000
7.00E-01	-4.400	0.700	0.000	0.689	0.000
6.00E-01	-4.400	0.600	0.000	0.589	0.000
6.00E-01	-4.400	0.600	0.000	0.572	0.000
6.00E-01	-4.400	0.600	0.000	0.560	0.000
6.00E-01	-4.300	0.600	0.000	0.554	0.000
5.00E-01	-4.200	0.600	0.000	0.548	0.400
5.00E-01	-4.200	0.600	0.000	0.542	1.000
5.00E-01	-4.200	0.600	0.000	0.537	0.000
6.00E-01	-4.200	0.700	0.000	0.626	0.000
6.00E-01	-4.200	0.700	0.000	0.629	0.000
6.00E-01	-4.200	0.700	0.000	0.629	0.000
6.00E-01	-4.200	0.700	0.000	0.625	0.000
6.00E-01	-4.200	0.700	0.000	0.620	0.000
7.00E-01	-4.200	0.800	0.000	0.694	0.000
1.00E+00	-4.200	1.100	0.000	0.960	0.000
1.20E+00	-4.200	1.400	0.000	1.217	0.000
1.30E+00	-4.200	1.500	0.000	1.316	0.000
1.30E+00	-4.200	1.500	0.000	1.317	-1.000
1.30E+00	-4.200	1.500	0.000	1.318	-1.000
1.40E+00	-4.200	1.600	0.000	1.402	-1.000
1.40E+00	-4.200	1.600	0.000	1.401	-1.000
1.40E+00	-4.200	1.600	0.000	1.401	-1.000
1.40E+00	-4.200	1.600	0.000	1.400	-1.000
1.50E+00	-4.200	1.700	0.000	1.490	-1.000
1.50E+00	-4.200	1.700	0.000	1.492	-1.200
1.50E+00	-4.200	1.700	0.000	1.497	-2.000
1.50E+00	-4.200	1.700	0.000	1.506	-1.000
1.50E+00	-4.200	1.700	0.000	1.523	-1.000
1.50E+00	-4.200	1.700	0.000	1.532	0.000
1.50E+00	-4.200	1.700	0.000	1.535	0.000
1.50E+00	-4.200	1.700	0.000	1.536	0.700
1.50E+00	-4.200	1.700	0.000	1.537	1.000
1.50E+00	-4.200	1.700	0.000	1.539	1.000
1.60E+00	-4.200	1.800	0.000	1.626	1.700
1.60E+00	-4.200	1.800	0.000	1.609	0.700
1.80E+00	-4.200	2.100	0.000	1.846	0.000
2.00E+00	-4.200	2.300	0.000	2.032	0.000
2.10E+00	-4.200	2.300	0.000	2.051	0.000
2.10E+00	-4.100	2.400	0.000	2.148	0.000
2.20E+00	-4.100	2.400	0.000	2.176	0.000
2.20E+00	-4.100	2.400	0.000	2.187	0.000
2.20E+00	-4.100	2.400	0.000	2.192	0.000
2.10E+00	-4.100	2.300	0.000	2.107	0.700
2.00E+00	-4.200	2.200	0.000	2.021	1.000
2.00E+00	-4.200	2.200	0.000	2.016	1.000
2.00E+00	-4.200	2.200	0.000	1.999	0.800

1181	54.215	31.5	323.319811	329.251095	112.290749	18.686916	1
1211	53.486	50.9	322.936009	313.850349	107.885463	14.73979	1
1174	53.251	50.1	314.709404	304.224806	103.480176	13.051389	1
1183	52.466	49.6	323.232517	310.783004	102.158058	9.405882	1
1175	52.16	51.2	322.8	317.341202	102.396096	8	1
1155	51.55	72.5	322.147557	323.899399	102.634135	9.452852	1
1153	51.54	76.5	325.225526	330.223368	102.872173	12.850932	1
1147	51.54	67.8	322.1	335.907579	103.225854	15.412	1
1147	51.314	54.6	322.1	341.591789	103.713659	19.364387	1
1150	50.92	65.9	322.1	347.276	104.201463	22.669291	1
1138	50.391	73.7	334.467611	352.960211	104.689268	24	1
1202	50.169	81.8	322.1	371.953129	113.25	24.003956	1
1421	49.824	93.9	322.1	391.039865	135.977273	24.993076	1
1386	50.3	95	321.829172	410.126601	158.704545	25.1775	1
1396	50.3	91.6	356.635398	429.213337	181.431818	26.858218	1
1405	50.843	91.3	331.011819	441.614965	203.743192	29.282353	1
1412	50.92	87.9	320.718637	452.873706	218.315576	31.39	1
1420	51.54	86	320.595921	464.132448	232.88796	32.816686	1
1420	51.54	88.7	336.206224	475.391189	247.460344	33.980256	1
1422	51.54	90.3	355.084777	482.053715	262.032728	34.346912	1
1422	51.54	89.9	319.2	485.163138	260.581028	35.54793	1
1419	51.54	89	319.792978	488.272561	256.628458	36	1
1417	51.54	86.3	321.531086	491.381984	252.675889	37.634434	1
1415	51.353	84.2	385.092891	490.655173	248.72332	38	1
1412	50.92	83.6	321.215299	482.835154	238.351433	38	1
1409	50.92	78.5	322.1	475.015135	223.017094	38	1
1389	50.92	62.8	323.313816	467.195115	207.682755	38	1
1389	50.3	63	387.279864	457.915617	192.348416	38	1
1375	50.009	60.2	323.937719	442.611088	171.802091	38	1
1364	49.68	59.2	324.789529	427.306559	147.573578	37.274021	1
1358	49.06	57.4	325.727193	412.00203	123.345065	36	1
1348	49.06	50.5	352.676613	401.807812	99.116552	34.92905	1
1354	48.704	61.8	326.165521	400.980083	89.95	33.660754	1
1347	48.44	73.5	326.971919	400.152354	88.371053	32.5179	1
1348	48.532	76.9	331.177178	399.324625	86.792105	31.167647	1
1355	49.06	82.8	346.80177	398.613749	85.213158	31	1
1362	49.496	76.7	330.655926	398.025965	87.746702	31.485549	1
1374	49.68	61.5	332.151295	397.43818	90.922081	32.622163	1
1377	49.68	56	334.339813	396.850396	94.09746	33	1
1376	49.68	50.8	348.977562	390.655617	97.272838	33	1
1374	49.68	49.1	334.246078	380.299549	95.149723	33	1
1374	49.68	49.8	335.054513	369.94348	91.452865	32.399285	1
1370	49.68	49.1	335.515285	359.587412	87.756007	32	1
1368	49.68	51.6	339.062307	358.978287	84.05915	30.566667	1
1366	49.68	52.4	336	365.255226	92.995967	29.305987	1
1367	49.124	66.8	336.741515	371.532166	102.138209	29	1
1370	49.68	88.3	348.823746	377.809106	111.280452	28	1

0.08228	0.01232	2.02181	3633.987
0.0823	0.01232	2.02287	3634.093
0.08232	0.01232	2.02453	3634.335
0.08234	0.01232	2.02702	3634.992
0.08236	0.01232	2.02988	3636.365
0.08238	0.01232	2.03237	3638.652
0.0824	0.01232	2.03436	3641.41
0.08242	0.01233	2.03622	3644.407
0.08244	0.01233	2.03783	3647.31
0.08246	0.01233	2.03916	3650.256
0.08248	0.01233	2.0402	3653.289
0.08251	0.01233	2.04136	3657.086
0.08254	0.01233	2.0441	3662.245
0.08258	0.01233	2.04776	3669.181
0.08263	0.01233	2.05113	3676.924
0.0827	0.01233	2.05398	3685.229
0.08279	0.01233	2.05637	3693.496
0.08288	0.01233	2.05862	3701.148
0.08297	0.01233	2.06082	3708.567
0.08306	0.01233	2.06327	3715.807
0.08315	0.01233	2.06582	3723.163
0.08324	0.01233	2.06821	3730.563
0.08333	0.01233	2.07038	3737.883
0.08342	0.01233	2.07249	3744.94
0.08351	0.01233	2.07452	3751.604
0.0836	0.01233	2.07642	3757.734
0.08367	0.01233	2.0778	3762.574
0.08372	0.01233	2.07858	3765.95
0.08377	0.01233	2.07928	3768.958
0.08382	0.01233	2.0802	3771.668
0.08387	0.01233	2.08098	3774.357
0.08392	0.01234	2.08186	3776.88
0.08397	0.01235	2.08284	3779.57
0.08403	0.01236	2.0842	3782.65
0.0841	0.01238	2.08629	3786.214
0.08418	0.01239	2.08923	3790.734
0.08427	0.01239	2.09146	3795.63
0.08435	0.01239	2.09272	3799.727
0.08443	0.01239	2.09362	3803.302
0.08451	0.01239	2.09431	3806.307
0.08458	0.01239	2.09502	3808.895
0.08465	0.01239	2.09612	3811.233
0.08472	0.01239	2.09741	3813.493
0.08479	0.0124	2.09846	3815.775
0.08486	0.01241	2.0996	3818.098
0.08495	0.01242	2.10118	3821.271
0.08506	0.01243	2.10374	3825.364

13:04:11.038	20	0.00013	0	0.0043	5.572	0.000542	51.6
13:04:12.038	20	0.00015	0	0.00264	5.983	0.000581	51.9
13:04:13.038	20	0.00016	0	0.00174	5.915	0.000575	52.2
13:04:14.038	20	0.00016	0	0.00152	5.617	0.000546	53.2
13:04:15.038	20	0.00015	0	0.00159	5.251	0.00051	54.1
13:04:16.038	20	0.00013	0	0.00155	4.655	0.000452	53.3
13:04:17.038	20	0.00012	0	0.00132	4.022	0.000391	52.7
13:04:18.038	20	0.00013	0	0.00099	4.1	0.000399	53
13:04:19.038	20	0.00013	0	0.00138	4.123	0.000401	53.3
13:04:20.038	20	0.00012	0	0.00138	3.894	0.000379	54.3
13:04:21.038	20	0.00012	0	0.00135	3.772	0.000367	55.2
13:04:22.038	20	0.00011	0	0.00134	3.641	0.000354	54.1
13:04:23.038	20	0.00011	0	0.00131	3.402	0.000331	53.2
13:04:24.038	20	0.0001	0	0.00129	3.228	0.000314	53.2
13:04:25.038	20	0.0001	0.00001	0.00167	3.189	0.00031	53.2
13:04:26.038	20	0.0001	0.00001	0.00122	3.187	0.00031	53.3
13:04:27.038	20	0.0001	0.00001	0.00118	3.43	0.000334	53.4
13:04:28.038	20	0.00011	0.00001	0.00172	3.934	0.000383	52.3
13:04:29.038	20	0.00012	0	0.00228	4.797	0.000467	51.4
13:04:30.038	20	0.00014	0	0.00227	5.875	0.000571	52.1
13:04:31.038	20	0.00014	0	0.00259	5.714	0.000555	52.7
13:04:32.038	20	0.00013	0	0.00175	5.006	0.000486	53.3
13:04:33.038	20	0.00012	0	0.00138	4.329	0.000421	53.9
13:04:34.038	20	0.00011	0	0.00138	3.926	0.000382	53.5
13:04:35.038	20	0.0001	0	0.0013	3.667	0.000357	53.2
13:04:36.038	20	0.0001	0	0.00125	3.529	0.000343	53.4
13:04:37.038	20	0.0001	0	0.00112	3.497	0.00034	53.6
13:04:38.038	20	0.0001	0.00001	0.00071	3.482	0.000339	52.8
13:04:39.038	20	0.0001	0.00001	0.0008	3.592	0.000349	52.2
13:04:40.038	20	0.0001	0.00001	0.00133	3.752	0.000365	52.5
13:04:41.038	20	0.00011	0.00001	0.00181	4.261	0.000414	52.7
13:04:42.038	20	0.00012	0	0.00174	4.817	0.000468	52.9
13:04:43.038	20	0.00013	0	0.00205	5.277	0.000513	53.1
13:04:44.038	20	0.00011	0	0.00157	4.836	0.00047	52.9
13:04:45.038	20	0.0001	0	0.00104	3.862	0.000375	52.7
13:04:46.038	20	0.00009	0	0.00099	3.235	0.000315	54
13:04:47.038	20	0.00009	0	0.00123	2.902	0.000282	55.1
13:04:48.038	20	0.00009	0.00001	0.00116	2.616	0.000255	54.8
13:04:49.038	20	0.00008	0.00001	0.00065	2.303	0.000224	54.5
13:04:50.038	20	0.00007	0.00001	0.00085	2.024	0.000197	55
13:04:51.038	20	0.00006	0.00001	0.00092	1.814	0.000177	55.4
13:04:52.038	20	0.00006	0.00002	0.00091	1.578	0.000154	54.1
13:04:53.038	20	0.00006	0.00001	0.0011	1.357	0.000132	52.9
13:04:54.038	20	0.00006	0	0.00083	1.18	0.000115	54.4
13:04:55.038	20	0.00005	0	0.00065	0.956	0.000093	55.7
13:04:56.038	20	0.00005	0	0.00104	0.844	0.000083	55.6
13:04:57.038	20	0.00006	0	0.00117	0.812	0.000079	55.5

2.10E+00	-4.200	2.400	0.000	2.122	0.000
2.60E+00	-4.200	2.900	0.000	2.553	0.000
2.80E+00	-4.200	3.200	0.000	2.823	-0.700
2.80E+00	-4.200	3.200	0.000	2.828	-1.000
2.80E+00	-4.200	3.200	0.000	2.835	-1.000
2.80E+00	-4.200	3.200	0.000	2.835	-1.000
2.80E+00	-4.200	3.200	0.000	2.848	-1.000
2.90E+00	-4.200	3.300	0.000	2.947	-0.300
3.00E+00	-4.300	3.300	0.000	2.956	0.000
2.90E+00	-4.300	3.200	0.000	2.872	0.000
2.90E+00	-4.300	3.200	0.000	2.859	0.000
2.80E+00	-4.300	3.100	0.000	2.777	0.000
2.70E+00	-4.300	3.000	0.000	2.708	0.000
2.60E+00	-4.300	2.900	0.000	2.622	0.400
2.50E+00	-4.300	2.800	0.000	2.527	1.000
2.40E+00	-4.400	2.700	0.000	2.447	1.000
2.30E+00	-4.400	2.600	0.000	2.348	1.000
2.30E+00	-4.400	2.600	0.000	2.339	1.000
2.30E+00	-4.400	2.600	0.000	2.327	0.000
2.30E+00	-4.400	2.600	0.000	2.307	0.000
2.50E+00	-4.400	2.800	0.000	2.465	0.000
2.60E+00	-4.400	3.000	0.000	2.646	0.000
2.70E+00	-4.400	3.000	0.000	2.670	0.000
2.70E+00	-4.400	3.000	0.000	2.676	0.000
2.60E+00	-4.400	2.900	0.000	2.597	0.000
2.60E+00	-4.400	2.900	0.000	2.590	0.000
2.60E+00	-4.400	2.900	0.000	2.599	0.000
2.50E+00	-4.400	2.800	0.000	2.533	1.000
2.40E+00	-4.400	2.700	0.000	2.435	1.000
2.40E+00	-4.400	2.700	0.000	2.426	1.000
2.30E+00	-4.400	2.600	0.000	2.330	0.600
2.30E+00	-4.400	2.600	0.000	2.325	0.000
2.30E+00	-4.400	2.600	0.000	2.316	0.000
2.30E+00	-4.400	2.600	0.000	2.311	0.000
2.40E+00	-4.300	2.700	0.000	2.412	0.000
2.40E+00	-4.300	2.700	0.000	2.441	0.000
2.50E+00	-4.300	2.700	0.000	2.452	0.000
2.50E+00	-4.300	2.700	0.000	2.461	0.700
2.40E+00	-4.400	2.600	0.000	2.387	1.000
2.20E+00	-4.400	2.400	0.000	2.217	1.000
2.20E+00	-4.400	2.400	0.000	2.218	1.400
2.20E+00	-4.400	2.300	0.000	2.152	2.000
2.20E+00	-4.400	2.300	0.000	2.159	1.300
2.10E+00	-4.400	2.200	0.000	2.087	0.000
2.00E+00	-4.500	2.100	0.000	1.995	0.000
1.90E+00	-4.600	2.000	0.000	1.910	0.000
1.90E+00	-4.600	2.000	0.000	1.920	0.000

1384	49.759	84.1	338.9	389.721257	120.98125	28.857576	1
1395	50.443	81.1	339.039415	402.445808	132.23125	29.983713	1
1405	50.92	79.8	339.7	415.170359	143.48125	32	1
1414	51.334	79	367.164337	427.89491	154.73125	32.756063	1
1421	51.54	78.4	340.4	426.447852	159.374913	34.843049	1
1428	51.54	69.6	340.4	422.807959	145.69534	35	1
1429	51.766	68.5	340.184866	419.168066	132.015766	36	1
1429	52.16	72.9	358.635393	415.528173	118.336193	36	1
1431	52.16	75.1	350.221667	410.865311	104.65662	35.47482	1
1432	52.16	68.6	339.7	405.852306	98.382818	35	1
1428	52.16	62.8	338.98171	400.8393	92.482417	35	1
1426	51.54	62.3	343.840274	395.826295	86.582016	35.995012	1
1422	51.54	59.4	353.627592	391.110496	80.681614	35	1
1415	51.149	57.9	338.2	386.673473	77.42665	34.595556	1
1405	50.92	57.6	337.692093	382.23645	75.226161	34	1
1399	50.914	64.9	337.5	377.799427	73.025672	34	1
1394	50.3	70.5	351.09389	378.772006	70.825183	33.962617	1
1388	50.3	79	337.03966	391.031282	76.453884	32.265265	1
1392	50.3	88.5	337.104662	403.290559	86.780099	33	1
1401	50.737	86.8	337.226512	415.549836	97.106313	33.466431	1
1407	50.92	75.7	377.591037	426.723981	107.432528	34.698595	1
1407	50.92	71	337.5	422.541874	112.516304	36.005441	1
1411	50.92	72.8	337.192212	418.359767	108.440217	36.865204	1
1414	51.393	73.6	336.204098	414.17766	104.36413	36.512	1
1408	51.54	65.7	365.627581	409.364918	100.288043	37	1
1410	51.213	61.4	336.360937	402.993103	94.482387	36	1
1411	50.92	63.6	336	396.621289	87.877691	36	1
1411	50.92	66.1	336	390.249475	81.272994	36	1
1409	50.92	72.3	355.953779	387.172532	74.668297	35.021739	1
1411	50.92	70.1	336	392.321245	74.174653	34	1
1415	51.251	72.3	335.614286	397.469958	77.823401	34	1
1424	51.54	87	335.757337	402.61867	81.472148	34	1
1432	52.16	74.9	365.153824	404.358993	85.120895	34.975	1
1441	52.388	61.2	335.746237	397.548441	86.418465	35	1
1450	52.78	57.6	335.2	390.73789	85.219424	35	1
1452	52.78	55	335.2	383.927338	84.020384	35	1
1458	52.78	49.1	355.614768	376.465597	82.821343	35	1
1466	52.906	43.6	334.604657	363.992531	81.319328	34.040428	1
1472	53.41	40.1	335.2	351.519464	79.158463	33.831972	1
1471	53.41	32.1	334.828023	339.046397	76.997599	32.666279	1
1469	53.41	25.8	331.257865	326.57333	74.836735	31.459494	1
1462	53.41	21.9	333.580224	313.994508	73.071719	31	1
1459	52.799	21.2	333.8	301.408696	73.549845	29.47	1
1455	52.78	20.5	333.15669	288.822883	74.02797	28.117647	1
1447	52.78	15.5	324.94398	276.237071	74.506096	25	1
1439	52.332	10.6	321.113678	266.84071	74.984222	24.597264	1
1436	52.16	25.7	332.20333	259.87013	76.026267	23.404902	1

0.08519	0.01243	2.10804	3830.936
0.08534	0.01243	2.11068	3836.919
0.0855	0.01243	2.11242	3842.834
0.08566	0.01243	2.11394	3848.451
0.08581	0.01243	2.11553	3853.702
0.08594	0.01243	2.11708	3858.357
0.08606	0.01243	2.1184	3862.379
0.08619	0.01243	2.11939	3866.479
0.08632	0.01243	2.12077	3870.602
0.08644	0.01243	2.12215	3874.496
0.08656	0.01243	2.1235	3878.268
0.08667	0.01243	2.12484	3881.909
0.08678	0.01243	2.12615	3885.311
0.08688	0.01243	2.12744	3888.539
0.08698	0.01244	2.12911	3891.728
0.08708	0.01245	2.13033	3894.915
0.08718	0.01246	2.13151	3898.345
0.08729	0.01247	2.13323	3902.279
0.08741	0.01247	2.13551	3907.076
0.08755	0.01247	2.13778	3912.951
0.08769	0.01247	2.14037	3918.665
0.08782	0.01247	2.14212	3923.671
0.08794	0.01247	2.1435	3928
0.08805	0.01247	2.14488	3931.926
0.08815	0.01247	2.14618	3935.593
0.08825	0.01247	2.14743	3939.122
0.08835	0.01247	2.14855	3942.619
0.08845	0.01248	2.14926	3946.101
0.08855	0.01249	2.15006	3949.693
0.08865	0.0125	2.15139	3953.445
0.08876	0.01251	2.1532	3957.706
0.08888	0.01251	2.15494	3962.523
0.08901	0.01251	2.15699	3967.8
0.08912	0.01251	2.15856	3972.636
0.08922	0.01251	2.1596	3976.498
0.08931	0.01251	2.16059	3979.733
0.0894	0.01251	2.16182	3982.635
0.08949	0.01252	2.16298	3985.251
0.08957	0.01253	2.16363	3987.554
0.08964	0.01254	2.16448	3989.578
0.0897	0.01255	2.1654	3991.392
0.08976	0.01257	2.16631	3992.97
0.08982	0.01258	2.16741	3994.327
0.08988	0.01258	2.16824	3995.507
0.08993	0.01258	2.16889	3996.463
0.08998	0.01258	2.16993	3997.307
0.09004	0.01258	2.1711	3998.119

13:04:58.038	20	0.00005	0	0.00081	0.492	0.000048	54.7
13:04:59.038	20	0.00004	0	0.00111	0.428	0.000042	54
13:05:00.038	20	0.00007	0	0.00249	0.766	0.000075	52.7
13:05:01.038	20	0.00008	0	0.00227	1.408	0.000138	51.6
13:05:02.038	20	0.00009	0	0.00519	2.7	0.000264	52.5
13:05:03.038	20	0.0001	0	0.00537	4.074	0.000397	53.3
13:05:04.038	20	0.00013	0	0.00307	4.436	0.000432	53.7
13:05:05.038	20	0.00015	0	0.00159	4.464	0.000434	54.1
13:05:06.038	20	0.00016	0	0.00162	4.554	0.000443	54.9
13:05:07.038	20	0.00019	0	0.00214	5.487	0.000533	55.6
13:05:08.038	20	0.00022	0	0.00303	6.819	0.000663	55.5
13:05:09.038	20	0.00021	0	0.00252	6.857	0.000666	55.4
13:05:10.038	20	0.00019	0	0.00154	5.827	0.000566	55.2
13:05:11.038	20	0.00017	0	0.00136	4.877	0.000474	55.1
13:05:12.038	20	0.00016	0	0.00103	4.191	0.000407	55.5
13:05:13.038	20	0.00019	0	0.00203	5.331	0.000518	55.9
13:05:14.038	20	0.00023	0	0.00322	7.118	0.000692	55.8
13:05:15.038	20	0.00025	0	0.00331	8.143	0.000791	55.8
13:05:16.038	20	0.00026	0	0.00278	8.223	0.000798	56.2
13:05:17.038	20	0.00024	0	0.00217	7.282	0.000707	56.6
13:05:18.038	20	0.00019	0	0.00124	5.629	0.000547	57
13:05:19.038	20	0.00014	0	0.00052	3.487	0.000339	57.4
13:05:20.038	20	0.00013	0	0	2.778	0.00027	57.5
13:05:21.038	20	0.00013	0	0.00057	2.431	0.000237	57.5
13:05:22.038	20	0.00014	0	0.00268	2.601	0.000254	56.9
13:05:23.038	20	0.00015	0	0.00383	3.784	0.000369	56.4
13:05:24.038	20	0.00016	0	0.00468	4.808	0.000468	57.1
13:05:25.038	20	0.00017	0	0.00235	5.147	0.000501	57.7
13:05:26.038	20	0.00023	0	0.0024	5.909	0.000574	57.4
13:05:27.038	20	0.00025	0	0.0029	6.44	0.000626	57.2
13:05:28.038	20	0.00022	0	0.00223	5.915	0.000575	57.3
13:05:29.038	20	0.00022	0	0.00078	5.598	0.000544	57.4
13:05:30.038	20	0.00021	0	0.00169	5.122	0.000498	58.4
13:05:31.038	20	0.00019	0	0.00162	4.674	0.000454	59.2
13:05:32.038	20	0.00018	0	0.00191	4.454	0.000433	59.5
13:05:33.038	20	0.0002	0	0.00217	4.899	0.000476	59.7
13:05:34.038	20	0.00022	0	0.00205	5.654	0.00055	58.7
13:05:35.038	20	0.00022	0	0.00162	6.082	0.000591	57.9
13:05:36.038	20	0.0002	0	0.00126	5.644	0.000548	57.9
13:05:37.038	20	0.00019	0	0.00143	5.223	0.000508	57.9
13:05:38.038	20	0.00019	0	0.00186	5.11	0.000497	57.8
13:05:39.038	20	0.00019	0	0.00213	5.23	0.000508	57.8
13:05:40.038	20	0.00018	0	0.00192	5.303	0.000515	57.7
13:05:41.038	20	0.00017	0	0.00144	4.999	0.000486	57.7
13:05:42.038	20	0.00016	0	0.00153	4.43	0.000431	58.1
13:05:43.038	20	0.00015	0	0.0016	3.908	0.00038	58.5
13:05:44.038	20	0.00014	0	0.00117	3.573	0.000348	57.9

1.80E+00	-4.700	1.900	0.000	1.837	0.000
1.80E+00	-4.700	1.900	0.000	1.837	0.000
1.80E+00	-4.700	1.900	0.000	1.830	0.000
1.80E+00	-4.800	1.900	0.000	1.808	0.000
1.80E+00	-4.700	1.900	0.000	1.770	0.000
2.10E+00	-4.700	2.300	0.000	2.063	0.000
2.70E+00	-4.700	3.100	0.000	2.748	0.000
3.20E+00	-4.700	3.600	0.000	3.212	0.000
3.30E+00	-4.700	3.700	0.000	3.314	0.000
3.30E+00	-4.700	3.700	0.000	3.303	0.000
3.30E+00	-4.600	3.700	0.000	3.283	0.000
3.30E+00	-4.600	3.700	0.000	3.266	0.000
3.30E+00	-4.600	3.700	0.000	3.278	-0.700
3.40E+00	-4.600	3.800	0.000	3.392	-1.000
3.40E+00	-4.600	3.800	0.000	3.401	-0.400
3.30E+00	-4.500	3.700	0.000	3.314	0.000
3.30E+00	-4.500	3.700	0.000	3.282	0.000
3.30E+00	-4.500	3.700	0.000	3.254	0.000
3.40E+00	-4.500	3.900	0.000	3.422	0.000
3.40E+00	-4.500	3.900	0.000	3.439	-0.400
3.50E+00	-4.500	3.900	0.000	3.456	-1.000
3.50E+00	-4.500	3.900	0.000	3.497	-1.000
3.50E+00	-4.500	3.800	0.000	3.479	-0.300
3.20E+00	-4.500	3.400	0.000	3.164	0.000
2.90E+00	-4.500	3.100	0.000	2.904	0.000
2.80E+00	-4.500	3.000	0.000	2.761	0.000
2.80E+00	-4.500	3.100	0.000	2.792	0.000
3.20E+00	-4.500	3.600	0.000	3.189	0.000
3.70E+00	-4.500	4.200	0.000	3.735	-0.500
3.90E+00	-4.400	4.400	0.000	3.895	-0.800
3.90E+00	-4.400	4.400	0.000	3.901	0.000
3.90E+00	-4.400	4.400	0.000	3.920	0.000
3.90E+00	-4.400	4.400	0.000	3.917	0.000
3.90E+00	-4.400	4.400	0.000	3.931	0.000
3.80E+00	-4.400	4.300	0.000	3.849	0.000
3.80E+00	-4.400	4.200	0.000	3.765	0.000
3.70E+00	-4.400	4.200	0.000	3.743	0.000
3.60E+00	-4.400	4.000	0.000	3.565	0.000
3.60E+00	-4.500	4.000	0.000	3.552	0.000
3.60E+00	-4.400	4.000	0.000	3.561	0.000
3.50E+00	-4.400	3.900	0.000	3.485	0.000
3.50E+00	-4.400	3.900	0.000	3.477	0.000
3.40E+00	-4.400	3.800	0.000	3.386	0.000
3.40E+00	-4.400	3.800	0.000	3.380	0.000
3.40E+00	-4.400	3.800	0.000	3.388	0.000
3.40E+00	-4.400	3.800	0.000	3.407	0.000
3.30E+00	-4.400	3.700	0.000	3.338	0.200

1424	51.54	21.5	331.690888	252.899549	77.087556	21.221212	1
1404	51.233	17	313.627909	245.928969	78.148846	18.854758	1
1405	50.3	54.2	331.6	262.27711	81.401373	18	1
1397	50.338	79.3	331.6	284.638254	93.529519	16.304304	1
1405	50.92	79.8	331.6	306.999399	105.657666	13.007937	1
1412	51.192	76	332.737652	329.360543	117.785812	15.246883	1
1419	51.54	74.2	332.46609	345.270206	129.913959	23.504075	1
1420	51.54	71.7	330.9	357.487512	126.85448	27.0131	1
1430	51.54	80.7	330.31	369.704818	120.640083	28.652381	1
1440	52.16	91.4	331.947627	381.922124	114.425686	29	1
1454	52.608	89.6	339.120637	390.169188	108.211289	30.406061	1
1473	53.297	81.1	328.7	395.396632	112.984275	32.214785	1
1475	53.41	68.9	327.328725	400.624076	118.14398	33.720903	1
1476	53.41	71.2	334.615483	405.85152	123.303686	34	1
1478	53.41	80.9	341.684615	414.984474	128.463391	34.610284	1
1480	53.41	92.7	324.60481	426.842665	146.218195	34	1
1489	53.957	96.9	323.738318	438.700856	165.434931	34	1
1505	54.117	89	328.295098	450.559046	184.651666	34.861386	1
1518	54.971	85.3	358.263855	451.054397	203.868402	36.251664	1
1527	55.27	78.8	322.1	440.141364	200.218551	37.433663	1
1507	55.27	45.1	321.607438	429.228331	190.305877	38.509524	1
1520	54.65	34.3	321.4	418.315298	180.393203	38.226316	1
1503	54.468	16.4	354.918182	410.064615	170.480529	36.846154	1
1490	54.03	39.5	320.6	406.802016	169.054627	33.318681	1
1484	54.03	73.6	320.6	403.539416	174.628763	31	1
1485	54.03	85.2	323.291835	400.276817	180.202899	28.463991	1
1493	54.03	78.6	335.880572	405.747701	185.777035	27.401493	1
1500	54.581	82	322.1	417.594934	181.479554	29.312158	1
1507	54.65	88.2	322.967148	429.442167	176.770756	30.984218	1
1518	54.982	86.8	352.955515	441.2894	172.061958	32.281829	1
1526	55.27	81.1	344.204379	442.319151	167.35316	33.984724	1
1532	55.27	79.4	325.737	439.327589	155.900945	35	1
1531	55.89	72.4	326.033333	436.336027	143.901966	35.13608	1
1533	55.89	74.6	357.7975	433.344464	131.902987	35.615	1
1533	55.89	76	339.531628	433.934509	119.952452	35	1
1534	55.89	80.2	328.547047	435.321439	114.008915	35	1
1535	55.89	82.6	329.376583	436.708369	108.065379	35.781928	1
1542	55.89	78.8	340.262	438.095299	102.121842	36	1
1543	55.89	75.5	350.0621	438.454343	96.178306	36	1
1541	55.89	70.3	332.204897	438.01878	96.471675	36.596663	1
1543	55.89	78.2	333.098141	437.583218	96.957938	37	1
1545	55.89	79.8	345.038792	437.147656	97.444201	37	1
1546	55.89	76.3	354.58093	433.205098	97.930464	37	1
1551	56.428	77.2	334.5	427.463945	94.603418	37.604291	1
1550	56.43	65.2	335.255172	421.722791	90.640079	37.14249	1
1547	55.89	54.2	349.327307	415.981638	86.67674	38	1
1528	55.89	30.7	353.213589	396.327413	82.713401	37.637544	1

0.09009	0.01258	2.17191	3998.611
0.09013	0.01258	2.17302	3999.039
0.0902	0.01258	2.17551	3999.805
0.09028	0.01258	2.17778	4001.213
0.09037	0.01258	2.18297	4003.913
0.09047	0.01258	2.18834	4007.987
0.0906	0.01258	2.19141	4012.423
0.09075	0.01258	2.193	4016.887
0.09091	0.01258	2.19462	4021.441
0.0911	0.01258	2.19676	4026.928
0.09132	0.01258	2.19979	4033.747
0.09153	0.01258	2.20231	4040.604
0.09172	0.01258	2.20385	4046.431
0.09189	0.01258	2.20521	4051.308
0.09205	0.01258	2.20624	4055.499
0.09224	0.01258	2.20827	4060.83
0.09247	0.01258	2.21149	4067.948
0.09272	0.01258	2.2148	4076.091
0.09298	0.01258	2.21758	4084.314
0.09322	0.01258	2.21975	4091.596
0.09341	0.01258	2.22099	4097.225
0.09355	0.01258	2.22151	4100.712
0.09368	0.01258	2.22151	4103.49
0.09381	0.01258	2.22208	4105.921
0.09395	0.01258	2.22476	4108.522
0.0941	0.01258	2.22859	4112.306
0.09426	0.01258	2.23327	4117.114
0.09443	0.01258	2.23562	4122.261
0.09466	0.01258	2.23802	4128.17
0.09491	0.01258	2.24092	4134.61
0.09513	0.01258	2.24315	4140.525
0.09535	0.01258	2.24393	4146.123
0.09556	0.01258	2.24562	4151.245
0.09575	0.01258	2.24724	4155.919
0.09593	0.01258	2.24915	4160.373
0.09613	0.01258	2.25132	4165.272
0.09635	0.01258	2.25337	4170.926
0.09657	0.01258	2.25499	4177.008
0.09677	0.01258	2.25625	4182.652
0.09696	0.01258	2.25768	4187.875
0.09715	0.01258	2.25954	4192.985
0.09734	0.01258	2.26167	4198.215
0.09752	0.01258	2.26359	4203.518
0.09769	0.01258	2.26503	4208.517
0.09785	0.01258	2.26656	4212.947
0.098	0.01258	2.26816	4216.855
0.09814	0.01258	2.26933	4220.428

13:05:45.038	20	0.00012	0.00001	0.00095	3.096	0.000301	57.3
13:05:46.038	20	0.00018	0.00004	0.00057	3.916	0.000382	57.2
13:05:47.038	20	0.00016	0.00002	0	1.861	0.000182	57.1
13:05:48.038	20	0.0001	0	0	0.716	0.00007	57.2
13:05:49.038	20	0.00003	0	0.00045	0.189	0.000019	57.2
13:05:50.038	20	0.00002	0	0.00111	0.158	0.000014	56.3
13:05:51.038	20	0.00002	0	0.00245	0.384	0.000038	55.6
13:05:52.038	20	0.00002	0	0.0037	1.04	0.000102	55.3
13:05:53.038	20	0.00004	0	0.00414	1.948	0.000191	55
13:05:54.038	20	0.00005	0	0.00294	2.537	0.000248	54.7
13:05:55.038	20	0.00006	0	0.00182	2.779	0.000271	54.5
13:05:56.038	20	0.00006	0.00001	0.00148	2.741	0.000267	54.4
13:05:57.038	20	0.00006	0.00001	0.00124	2.713	0.000264	54.3
13:05:58.038	20	0.00006	0	0.00103	2.532	0.000247	54.9
13:05:59.038	20	0.00005	0	0.00115	2.294	0.000224	55.5
13:06:00.038	20	0.00005	0.00001	0.00129	2.132	0.000208	55.2
13:06:01.038	20	0.00005	0.00001	0.0014	1.973	0.000192	54.9
13:06:02.038	20	0.00005	0.00001	0.00137	1.837	0.000179	53.7
13:06:03.038	20	0.00005	0.00002	0.00122	1.725	0.000168	52.6
13:06:04.038	20	0.00005	0.00002	0.00096	1.601	0.000156	52.8
13:06:05.038	20	0.00005	0.00002	0.00069	1.488	0.000145	52.9
13:06:06.038	20	0.00005	0.00001	0.00108	1.38	0.000135	51.8
13:06:07.038	20	0.00005	0.00001	0.00151	1.342	0.000131	50.9
13:06:08.038	20	0.00005	0	0.00134	1.346	0.000131	51.1
13:06:09.038	20	0.00005	0	0.00121	1.428	0.000139	51.3
13:06:10.038	20	0.00005	0	0.00135	1.628	0.000159	50.7
13:06:11.038	20	0.00005	0.00001	0.00149	1.803	0.000176	50.2
13:06:12.038	20	0.00005	0.00001	0.00157	1.879	0.000183	51
13:06:13.038	20	0.00005	0.00001	0.00112	1.892	0.000184	51.6
13:06:14.038	20	0.00005	0.00001	0.00099	1.832	0.000179	50.6
13:06:15.038	20	0.00005	0.00002	0.00112	1.88	0.000183	49.7
13:06:16.038	20	0.00006	0.00003	0.00152	2.096	0.000204	50.5
13:06:17.038	20	0.00006	0.00002	0.00189	2.228	0.000217	51.2
13:06:18.038	20	0.00006	0.00002	0.00192	2.522	0.000246	51
13:06:19.038	20	0.00006	0.00001	0.0021	2.85	0.000278	50.9
13:06:20.038	20	0.00007	0	0.00198	3.266	0.000318	49.9
13:06:21.038	20	0.00008	0	0.00188	3.786	0.000368	49
13:06:22.038	20	0.00009	0	0.00177	4.076	0.000397	50.2
13:06:23.038	20	0.00009	0	0.00171	4.207	0.000409	51.3
13:06:24.038	20	0.00009	0	0.00128	4.245	0.000413	51.3
13:06:25.038	20	0.0001	0	0.00126	4.263	0.000414	51.3
13:06:26.038	20	0.0001	0	0.00158	4.286	0.000417	51.3
13:06:27.038	20	0.0001	0	0.00165	4.268	0.000415	51.3
13:06:28.038	20	0.0001	0	0.00149	4.212	0.00041	50.9
13:06:29.038	20	0.00011	0	0.00149	4.224	0.000411	50.6
13:06:30.038	20	0.00011	0	0.0015	4.252	0.000413	49.9
13:06:31.038	20	0.00011	0	0.0015	4.243	0.000413	49.3

3.00E+00	-4.400	3.300	0.000	3.021	1.300	1518	55.439	3.9	336.481444	368.14582	71.000253	36.488889	1
2.80E+00	-4.400	3.000	0.000	2.784	2.000	1499	54.642	0	336.7	339.964227	57.585928	35.253333	1
2.40E+00	-4.500	2.500	0.000	2.412	0.800	1475	53.857	0	333.45042	311.782635	44.171602	33.02439	1
1.60E+00	-4.600	1.600	0.000	1.589	0.000	1452	53.008	0	330.113325	297.612435	30.757277	25.829457	1
8.00E-01	-4.800	0.800	0.000	0.791	0.000	1452	52.78	19	338.2	293.219285	41.045963	18.68559	1
7.00E-01	-4.800	0.700	0.000	0.685	0.000	1440	52.203	41.7	338.816824	288.826136	54.907831	14.643678	1
7.00E-01	-4.800	0.700	0.000	0.681	0.000	1446	52.16	51.8	333.12216	284.432986	68.769698	13.046358	1
7.00E-01	-4.800	0.700	0.000	0.669	0.000	1435	52.16	53.3	324.028975	288.271959	82.631566	12	1
1.00E+00	-4.800	1.100	0.000	1.006	0.000	1430	52.16	55.9	338.2	298.579029	86.180152	13.596078	1
1.40E+00	-4.600	1.500	0.000	1.369	0.000	1431	52.16	56	337.609105	308.886099	86.418134	18.940729	1
1.60E+00	-4.600	1.700	0.000	1.560	0.200	1430	52.16	60.2	338.052441	319.193168	86.656116	24.317406	1
1.60E+00	-4.600	1.800	0.000	1.648	1.000	1430	51.974	54.6	333.115847	324.803251	86.894098	26.058005	1
1.60E+00	-4.600	1.800	0.000	1.649	0.500	1428	51.54	49.6	336.934426	322.026792	85.94336	27.201933	1
1.60E+00	-4.600	1.800	0.000	1.648	0.000	1425	51.54	45.1	336.397098	319.250332	84.039505	28.343583	1
1.70E+00	-4.600	1.800	0.000	1.655	0.000	1420	51.54	45.8	336.147887	316.473873	82.13565	29	1
1.70E+00	-4.600	1.800	0.000	1.658	1.000	1416	51.506	45	324.754172	313.294063	80.231794	29.805627	1
1.70E+00	-4.600	1.800	0.000	1.662	1.000	1413	50.92	43.6	334.3894	307.73588	78.582051	30	1
1.70E+00	-4.600	1.800	0.000	1.661	1.100	1400	50.92	38.9	333.654665	302.177696	77.398058	30	1
1.70E+00	-4.600	1.800	0.000	1.665	2.000	1392	50.581	34.4	332.755638	296.619513	76.214066	29.713392	1
1.70E+00	-4.700	1.800	0.000	1.669	2.000	1384	50.3	34.7	316.942435	291.061329	75.030073	29	1
1.70E+00	-4.700	1.800	0.000	1.680	2.000	1376	50.3	34.9	328.98907	287.008216	74	29	1
1.70E+00	-4.700	1.800	0.000	1.686	1.300	1371	49.68	35.1	329.392509	283.09133	74	28.167592	1
1.70E+00	-4.600	1.800	0.000	1.690	0.700	1364	49.68	38.8	328.525455	279.174445	74	28	1
1.60E+00	-4.700	1.700	0.000	1.606	0.000	1363	49.345	45.7	314.778061	275.257559	74	27.720535	1
1.60E+00	-4.700	1.700	0.000	1.593	0.000	1359	49.06	51.1	318.236655	276.225353	74	26.51374	1
1.60E+00	-4.700	1.700	0.000	1.585	0.000	1360	49.06	49.5	325.241379	278.999809	74.21943	26	1
1.60E+00	-4.700	1.700	0.000	1.576	0.600	1358	49.06	49.1	324.339181	281.774265	74.458722	26	1
1.60E+00	-4.700	1.700	0.000	1.568	1.000	1352	49.06	45	318.53375	284.54872	74.698014	26	1
1.60E+00	-4.700	1.700	0.000	1.565	1.000	1354	49.06	42.7	312.433411	285.987784	74.937306	26	1
1.60E+00	-4.600	1.700	0.000	1.565	1.500	1352	49.06	41.4	320.918771	286.329831	74.638767	26.421739	1
1.60E+00	-4.600	1.700	0.000	1.568	2.200	1349	49.044	45.5	319.928464	286.671879	74.14929	27	1
1.60E+00	-4.600	1.700	0.000	1.571	3.000	1351	48.566	58.3	316.80582	287.013926	73.659814	27	1
1.60E+00	-4.600	1.700	0.000	1.569	2.000	1352	49.06	60.9	308.314483	291.582338	73.170338	27	1
1.60E+00	-4.600	1.700	0.000	1.559	2.000	1351	49.06	62.7	316.774726	301.192727	74.229609	27	1
1.60E+00	-4.500	1.700	0.000	1.551	1.000	1349	49.06	63.1	315.097795	310.803117	76.115512	27.350923	1
1.70E+00	-4.500	1.900	0.000	1.715	0.000	1345	48.507	70.2	314.214197	320.413506	78.001414	28.635795	1
1.80E+00	-4.500	2.000	0.000	1.799	0.000	1343	48.44	73.8	319.929206	329.594454	79.887317	29.875309	1
1.90E+00	-4.400	2.100	0.000	1.884	0.000	1344	48.44	75.9	311.754599	337.261664	82.436916	31.076471	1
2.00E+00	-4.400	2.200	0.000	1.976	0.000	1341	48.44	75.4	311.040069	344.928874	85.941589	33.022406	1
2.10E+00	-4.400	2.300	0.000	2.064	0.000	1339	48.44	74.9	310.193048	352.596085	89.446262	34.227696	1
2.10E+00	-4.400	2.400	0.000	2.141	0.000	1339	48.44	75.4	328.181313	360.263295	92.950935	35.532319	1
2.20E+00	-4.400	2.500	0.000	2.230	0.000	1343	48.44	76.1	311.113054	363.916324	96.343008	36.727797	1
2.20E+00	-4.400	2.500	0.000	2.237	0.000	1345	48.44	76.1	307.400703	367.267209	98.98153	37	1
2.30E+00	-4.400	2.600	0.000	2.327	0.000	1346	48.44	75.9	306.581097	370.618095	101.620053	38.125436	1
2.40E+00	-4.400	2.700	0.000	2.416	0.000	1350	48.791	75.8	323.725281	373.96898	104.258575	39.306832	1
2.40E+00	-4.400	2.700	0.000	2.416	0.000	1350	49.06	76.1	315.194994	376.422886	106.897098	40	1
2.40E+00	-4.400	2.700	0.000	2.415	0.000	1357	49.06	76.8	304.658193	378.580979	107.253495	40	1

0.09826	0.01259	2.27028	4223.524
0.09844	0.01263	2.27085	4227.44
0.0986	0.01265	2.27085	4229.301
0.0987	0.01265	2.27085	4230.017
0.09873	0.01265	2.2713	4230.206
0.09875	0.01265	2.27241	4230.364
0.09877	0.01265	2.27486	4230.748
0.09879	0.01265	2.27856	4231.788
0.09883	0.01265	2.2827	4233.736
0.09888	0.01265	2.28564	4236.273
0.09894	0.01265	2.28746	4239.052
0.099	0.01266	2.28894	4241.793
0.09906	0.01267	2.29018	4244.506
0.09912	0.01267	2.29121	4247.038
0.09917	0.01267	2.29236	4249.332
0.09922	0.01268	2.29365	4251.464
0.09927	0.01269	2.29505	4253.437
0.09932	0.0127	2.29642	4255.274
0.09937	0.01272	2.29764	4256.999
0.09942	0.01274	2.2986	4258.6
0.09947	0.01276	2.29929	4260.088
0.09952	0.01277	2.30037	4261.468
0.09957	0.01278	2.30188	4262.81
0.09962	0.01278	2.30322	4264.156
0.09967	0.01278	2.30443	4265.584
0.09972	0.01278	2.30578	4267.212
0.09977	0.01279	2.30727	4269.015
0.09982	0.0128	2.30884	4270.894
0.09987	0.01281	2.30996	4272.786
0.09992	0.01282	2.31095	4274.618
0.09997	0.01284	2.31207	4276.498
0.10003	0.01287	2.31359	4278.594
0.10009	0.01289	2.31548	4280.822
0.10015	0.01291	2.3174	4283.344
0.10021	0.01292	2.3195	4286.194
0.10028	0.01292	2.32148	4289.46
0.10036	0.01292	2.32336	4293.246
0.10045	0.01292	2.32513	4297.322
0.10054	0.01292	2.32684	4301.529
0.10063	0.01292	2.32812	4305.774
0.10073	0.01292	2.32938	4310.037
0.10083	0.01292	2.33096	4314.323
0.10093	0.01292	2.33261	4318.591
0.10103	0.01292	2.3341	4322.803
0.10114	0.01292	2.33559	4327.027
0.10125	0.01292	2.33709	4331.279
0.10136	0.01292	2.33859	4335.522

13:06:32.038	20	0.00011	0	0.00149	4.241	0.000412	49.6
13:06:33.038	20	0.00011	0	0.00148	4.227	0.000411	49.8
13:06:34.038	20	0.00011	0	0.00151	4.344	0.000422	49.6
13:06:35.038	20	0.00013	0	0.00162	4.806	0.000467	49.5
13:06:36.038	20	0.00013	0	0.00145	5.141	0.0005	50.8
13:06:37.038	20	0.00013	0	0.00162	5.116	0.000497	52
13:06:38.038	20	0.00013	0	0.00171	5.171	0.000503	51.6
13:06:39.038	20	0.00014	0	0.00187	5.147	0.0005	51.2
13:06:40.038	20	0.00014	0	0.00204	5.177	0.000503	51.7
13:06:41.038	20	0.00014	0	0.00203	5.189	0.000505	52.1
13:06:42.038	20	0.00014	0	0.00197	5.033	0.000489	52.9
13:06:43.038	20	0.00014	0	0.00172	4.914	0.000478	53.6
13:06:44.038	20	0.00014	0	0.00178	4.76	0.000463	53.8
13:06:45.038	20	0.00012	0	0.00164	4.118	0.0004	53.9
13:06:46.038	20	0.00011	0	0.00126	3.707	0.00036	54
13:06:47.038	20	0.00011	0	0.00069	3.366	0.000327	54
13:06:48.038	20	0.00011	0	0.00122	3.147	0.000306	53.1
13:06:49.038	20	0.00011	0.00001	0.00112	3.068	0.000299	52.4
13:06:50.038	20	0.00011	0.00001	0.0014	3.121	0.000304	52.6
13:06:51.038	20	0.00011	0.00001	0.00185	3.501	0.000341	52.8
13:06:52.038	20	0.00012	0	0.00219	4.07	0.000396	53.3
13:06:53.038	20	0.00011	0	0.00223	4.219	0.000411	53.7
13:06:54.038	20	0.00011	0	0.00151	4.093	0.000398	53.1
13:06:55.038	20	0.00011	0	0.00147	4.068	0.000396	52.6
13:06:56.038	20	0.0001	0	0.00135	3.744	0.000364	52.5
13:06:57.038	20	0.0001	0	0.00119	3.582	0.000348	52.5
13:06:58.038	20	0.0001	0	0.00117	3.315	0.000323	52.3
13:06:59.038	20	0.0001	0	0.00157	3.243	0.000316	52.2
13:07:00.038	20	0.0001	0.00001	0.00163	3.347	0.000326	52
13:07:01.038	20	0.0001	0.00001	0.00164	3.575	0.000348	51.8
13:07:02.038	20	0.00009	0.00001	0.00157	3.672	0.000357	51.7
13:07:03.038	20	0.00009	0	0.00132	3.629	0.000353	51.7
13:07:04.038	20	0.00008	0	0.00111	3.254	0.000317	52
13:07:05.038	20	0.00009	0	0.00125	3.198	0.000311	52.2
13:07:06.038	20	0.00013	0.00001	0	3.326	0.000324	51.8
13:07:07.038	20	0.00011	0.00001	0	1.698	0.000166	51.4
13:07:08.038	20	0.00009	0	0	0.649	0.000063	48.7
13:07:09.038	20	0.00006	0	0.00049	0.29	0.000028	46.4
13:07:10.038	20	0.00003	0	0.00094	0.143	0.000016	44.7
13:07:11.038	20	0.00003	0	0.00167	0.185	0.000018	43.2
13:07:12.038	20	0.00004	0	0.0075	1.84	0.000181	41.4
13:07:13.038	20	0.00005	0	0.01121	5.12	0.0005	39.9
13:07:14.038	20	0.0001	0	0.00807	7.602	0.00074	40.1
13:07:15.038	20	0.00006	0	0.00175	3.732	0.000363	40.3
13:07:16.038	20	0.00004	0	0.00024	1.643	0.00016	40.9
13:07:17.038	20	0.00003	0	0	0.954	0.000093	41.4
13:07:18.038	20	0.00002	0	0	0.605	0.000059	40.1

2.50E+00	-4.400	2.800	0.000	2.504	0.000
2.50E+00	-4.400	2.800	0.000	2.503	0.000
2.50E+00	-4.400	2.800	0.000	2.502	0.000
2.50E+00	-4.400	2.800	0.000	2.499	0.000
2.50E+00	-4.400	2.800	0.000	2.492	0.000
2.60E+00	-4.300	2.900	0.000	2.578	0.000
2.60E+00	-4.300	2.900	0.000	2.585	0.000
2.70E+00	-4.300	3.000	0.000	2.678	0.000
2.70E+00	-4.400	3.000	0.000	2.684	-0.200
2.70E+00	-4.400	3.000	0.000	2.684	-1.000
2.70E+00	-4.300	3.000	0.000	2.683	-1.000
2.80E+00	-4.300	3.100	0.000	2.774	-1.000
2.80E+00	-4.300	3.100	0.000	2.776	-1.000
2.80E+00	-4.300	3.100	0.000	2.782	0.000
2.90E+00	-4.300	3.200	0.000	2.871	0.000
2.90E+00	-4.300	3.200	0.000	2.891	0.000
2.90E+00	-4.300	3.200	0.000	2.906	0.200
2.70E+00	-4.400	3.000	0.000	2.742	1.000
2.70E+00	-4.400	2.900	0.000	2.658	1.000
2.60E+00	-4.400	2.800	0.000	2.554	1.000
2.40E+00	-4.400	2.700	0.000	2.446	0.300
2.40E+00	-4.400	2.700	0.000	2.434	0.000
2.50E+00	-4.400	2.800	0.000	2.513	0.000
2.50E+00	-4.400	2.800	0.000	2.521	0.000
2.50E+00	-4.400	2.800	0.000	2.520	0.000
2.50E+00	-4.400	2.800	0.000	2.513	0.000
2.50E+00	-4.400	2.800	0.000	2.526	0.000
2.50E+00	-4.400	2.700	0.000	2.452	0.200
2.40E+00	-4.400	2.600	0.000	2.369	1.000
2.30E+00	-4.400	2.500	0.000	2.266	1.000
2.30E+00	-4.400	2.500	0.000	2.253	0.600
2.20E+00	-4.400	2.500	0.000	2.244	0.000
2.30E+00	-4.400	2.500	0.000	2.255	0.000
2.30E+00	-4.400	2.500	0.000	2.270	0.000
2.20E+00	-4.400	2.400	0.000	2.238	0.700
2.10E+00	-4.400	2.200	0.000	2.111	0.400
1.80E+00	-4.600	1.800	0.000	1.766	0.000
1.20E+00	-4.800	1.200	0.000	1.189	0.000
9.00E-01	-4.900	0.900	0.000	0.905	0.000
8.00E-01	-4.900	0.800	0.000	0.794	0.000
8.00E-01	-4.900	0.800	0.000	0.764	0.000
7.00E-01	-4.900	0.800	0.000	0.735	0.000
1.30E+00	-4.700	1.500	0.000	1.305	0.000
1.70E+00	-4.600	1.900	0.000	1.683	0.000
1.80E+00	-4.600	2.000	0.000	1.811	-0.700
1.80E+00	-4.600	2.000	0.000	1.848	-1.000
1.50E+00	-4.600	1.600	0.000	1.540	-1.000

1358	49.06	76.8	303.9	380.739072	107.517278	40.916567	1
1363	49.06	77.2	318.912646	382.897164	107.78106	41	1
1370	49.68	77.4	304.437654	386.697059	108.084788	41	1
1375	49.68	86.6	303.2	390.995701	108.583541	41	1
1383	49.849	81.1	303.052586	395.294344	109.082294	41.010976	1
1391	50.3	78.6	327.137255	399.592986	109.581047	42.265823	1
1396	50.308	81.6	305.361314	402.882246	110.703378	43	1
1404	50.902	81.8	303.152427	405.90157	115.099491	43.772772	1
1409	50.92	80.7	302.634522	408.920894	119.495604	44	1
1417	51.189	80	323.935361	411.940217	123.891717	44	1
1424	51.54	77.4	325.983818	411.311671	128.28783	44	1
1426	51.54	76.5	303.9	408.710239	125.589418	44	1
1431	52.097	76.6	303.9	406.108807	121.519512	44	1
1429	52.16	62.9	306.66882	403.507375	117.449605	44	1
1430	51.896	59.1	335.592706	397.837857	113.379698	44.177381	1
1424	51.54	58.1	305.3	388.552143	105.860181	44.70317	1
1416	51.54	55	305.3	379.266429	96.571498	43.592085	1
1410	50.945	57.4	306.024122	369.980714	87.282816	42.292005	1
1409	50.92	66.6	330.104043	364.233006	77.994133	41.051965	1
1408	50.92	73.5	306.8	368.607545	74.284929	40	1
1407	50.92	76.9	307.15875	372.982084	74.784804	40	1
1410	50.92	72.2	307.985662	377.356623	75.284679	40	1
1410	50.92	72.4	342.658741	380.19329	75.784554	40	1
1408	50.92	73.2	309.8	376.473762	75.040241	40	1
1409	50.92	60.3	309.8	372.754235	73.353494	40	1
1400	50.92	56.1	310.955792	369.034707	71.666747	40	1
1396	50.3	60.9	336.478529	366.436446	69.98	40	1
1394	50.3	67.4	311.9	368.030979	68.782338	38.933407	1
1391	50.3	72.5	312.199732	369.625513	68.262857	38	1
1388	50.3	72.2	312.6	371.220046	67.743377	37.515366	1
1391	50.3	64.8	337.802949	368.933333	67.223896	37	1
1385	50.3	60.6	313.591618	355.6	64.366418	38	1
1369	49.974	31	313.7288	342.266667	59.737979	38	1
1348	49.216	2.1	313.3	328.933333	55.10954	37.501742	1
1306	47.485	0	316.274805	313.828272	50.481101	36.050167	1
1250	45.612	0	314.8	293.932984	43.199052	33.406008	1
1189	43.596	0	314.417344	274.037696	34.668246	27.516129	1
1102	41.7	2.1	314.711392	254.142408	26.137441	20.419355	1
1087	40.148	39.6	281.884104	248.527593	17.606635	17.130163	0
1112	39.12	76.6	314.285089	283.769263	58.227818	14.608392	0
1141	39.12	98.4	314.8	319.010934	156.549161	10.545135	0
1270	39.12	96.5	314.8	354.252604	254.870504	13	0
1333	39.645	54	344.071875	389.494275	353.191847	32.450785	0
1315	39.649	7.4	314.0216	368.104499	398.598483	36.913793	0
1275	39.014	0	313.219008	346.544317	314.455321	39.819095	0
1246	38.259	0	312.368511	324.984135	230.312159	39	1
1223	37.476	0	308.003265	303.423953	146.168997	38.621359	1

0.10147	0.01292	2.34008	4339.763
0.10158	0.01292	2.34156	4343.99
0.10169	0.01292	2.34307	4348.334
0.10182	0.01292	2.34469	4353.14
0.10195	0.01292	2.34614	4358.281
0.10208	0.01292	2.34776	4363.397
0.10221	0.01292	2.34947	4368.568
0.10235	0.01292	2.35134	4373.715
0.10249	0.01292	2.35338	4378.892
0.10263	0.01292	2.35541	4384.081
0.10277	0.01292	2.35738	4389.114
0.10291	0.01292	2.3591	4394.028
0.10305	0.01292	2.36088	4398.788
0.10317	0.01292	2.36252	4402.906
0.10328	0.01292	2.36378	4406.613
0.10339	0.01292	2.36447	4409.979
0.1035	0.01292	2.36569	4413.126
0.10361	0.01293	2.36681	4416.194
0.10372	0.01294	2.36821	4419.315
0.10383	0.01295	2.37006	4422.816
0.10395	0.01295	2.37225	4426.886
0.10406	0.01295	2.37448	4431.105
0.10417	0.01295	2.37599	4435.198
0.10428	0.01295	2.37746	4439.266
0.10438	0.01295	2.37881	4443.01
0.10448	0.01295	2.38	4446.592
0.10458	0.01295	2.38117	4449.907
0.10468	0.01295	2.38274	4453.15
0.10478	0.01296	2.38437	4456.497
0.10488	0.01297	2.38601	4460.072
0.10497	0.01298	2.38758	4463.744
0.10506	0.01298	2.3889	4467.373
0.10514	0.01298	2.39001	4470.627
0.10523	0.01298	2.39126	4473.825
0.10536	0.01299	2.39126	4477.151
0.10547	0.013	2.39126	4478.849
0.10556	0.013	2.39126	4479.498
0.10562	0.013	2.39175	4479.788
0.10565	0.013	2.39269	4479.931
0.10568	0.013	2.39436	4480.116
0.10572	0.013	2.40186	4481.956
0.10577	0.013	2.41307	4487.076
0.10587	0.013	2.42114	4494.678
0.10593	0.013	2.42289	4498.41
0.10597	0.013	2.42313	4500.053
0.106	0.013	2.42313	4501.007
0.10602	0.013	2.42313	4501.612

13:07:19.038	20	0.00001	0	0.00017	0.398	0.000039	39
13:07:20.038	20	0.00001	0	0.00014	0.28	0.000027	37.8
13:07:21.038	20	0.00001	0	0.00016	0.211	0.000021	36.7
13:07:22.038	20	0.00001	0	0.0003	0.141	0.000014	36.6
13:07:23.038	20	0.00001	0	0.00042	0.095	0.000009	36.5
13:07:24.038	20	0.00001	0	0.00034	0.07	0.000007	36.2
13:07:25.038	20	0.00001	0	0.00048	0.057	0.000006	36
13:07:26.038	20	0.00001	0	0.00057	0.048	0.000006	35.5
13:07:27.038	20	0.00001	0	0.00055	0.039	0.000006	35
13:07:28.038	20	0.00001	0	0.00047	0.037	0.000006	34.2
13:07:29.038	20	0	0	0.00045	0.034	0.000005	33.5
13:07:30.038	20	0.00001	0	0.00041	0.035	0.000006	30.5
13:07:31.038	20	0	0	0.00044	0.032	0.000005	28
13:07:32.038	20	0	0	0.00056	0.038	0.000007	25
13:07:33.038	20	0	0	0.00057	0.039	0.000007	22.4
13:07:34.038	20	0	0	0.00051	0.034	0.000006	19.7
13:07:35.038	20	0	0	0.00048	0.031	0.000006	17.3
13:07:36.038	20	0.00001	0	0.00065	0.043	0.000008	15.9
13:07:37.038	20	0	0	0.00059	0.038	0.000007	14.7
13:07:38.038	20	0	0	0.00054	0.035	0.000006	14.3
13:07:39.038	20	0	0	0.00057	0.038	0.000007	14
13:07:40.038	20	0.00001	0	0.00067	0.062	0.000008	13.1
13:07:41.038	20	0.00001	0	0.00078	0.135	0.000013	12.3
13:07:42.038	20	0.00001	0	0.00107	0.206	0.00002	11.5
13:07:43.038	20	0	0	0.00112	0.283	0.000028	10.8
13:07:44.038	20	0	0	0.0011	0.379	0.000037	7.8
13:07:45.038	20	0	0	0.00104	0.507	0.00005	5.3
13:07:46.038	20	0.00001	0	0.00095	0.629	0.000062	5
13:07:47.038	20	0.00001	0	0.00146	1.227	0.00012	4.8
13:07:48.038	20	0.00002	0	0.00274	2.038	0.000199	5.5
13:07:49.038	20	0.00002	0	0.0033	2.878	0.000281	6.1
13:07:50.038	20	0.00002	0	0.00317	3.68	0.000359	7.3
13:07:51.038	20	0.00003	0	0.00203	3.684	0.000359	8.4
13:07:52.038	20	0.00002	0.00001	0.00081	2.718	0.000264	11.1
13:07:53.038	20	0.00002	0.00001	0.00045	1.754	0.000171	13.3
13:07:54.038	20	0.00002	0.00001	0.00047	1.587	0.000155	12.7
13:07:55.038	20	0.00002	0.00001	0.00017	1.071	0.000104	12.2
13:07:56.038	20	0.00002	0.00001	0	0.687	0.000067	8.9
13:07:57.038	20	0.00002	0	0.00006	0.428	0.000042	6.1
13:07:58.038	20	0.00002	0	0.00041	0.324	0.000032	2.8
13:07:59.038	20	0.00001	0	0.00091	0.373	0.000037	0
13:08:00.038	20	0.00002	0	0.00111	0.519	0.000051	0
13:08:01.038	20	0.00002	0	0.00112	0.68	0.000066	0
13:08:02.038	20	0.00002	0	0.00107	0.831	0.000081	0
13:08:03.038	20	0.00002	0.00001	0.00082	0.924	0.00009	0
13:08:04.038	20	0.00002	0.00001	0.00053	0.965	0.000094	0
13:08:05.038	20	0.00001	0.00001	0.00047	0.962	0.000094	0

1.20E+00	-4.600	1.200	0.000	1.156	0.000	1201	36.699	0	309.674179	288.56116	67.222817	37.372751	0
1.00E+00	-4.600	1.000	0.000	0.975	0.000	1178	36.015	0	309.838636	275.188496	56.276575	35.456522	0
7.00E-01	-4.700	0.700	0.000	0.702	0.000	1142	35.227	0	309.43918	261.815831	45.330333	31.931034	0
6.00E-01	-4.700	0.600	0.000	0.593	0.000	1090	34.463	0	293.980282	248.443166	34.384091	29.549296	0
6.00E-01	-4.700	0.600	0.000	0.587	0.000	1066	34.16	0	299.56131	239.948448	23.43785	26.392857	0
5.00E-01	-4.700	0.500	0.000	0.490	0.000	1068	34.16	0	307.004878	233.079712	19.876877	22.966667	0
5.00E-01	-4.700	0.500	0.000	0.497	0.000	1075	34.16	0	306.079399	226.210975	16.623624	20.329412	0
5.00E-01	-4.700	0.500	0.000	0.497	0.000	1078	34.16	0	287.695187	219.342239	13.37037	17.619772	0
4.00E-01	-4.700	0.400	0.000	0.396	0.000	1045	33.218	0	290.743898	214.263502	10.117117	15.527487	0
4.00E-01	-4.700	0.400	0.000	0.396	0.000	974	30.926	0	304.076383	210.111	8.626455	14.412402	0
4.00E-01	-4.700	0.400	0.000	0.396	0.000	960	28.942	0	303.142268	205.958499	7.201615	13.132836	0
4.00E-01	-4.700	0.400	0.000	0.396	0.000	1098	26.565	0.2	289.770948	201.805998	5.776775	12	0
4.00E-01	-4.700	0.400	0.000	0.396	0.000	935	23.192	0.6	275.105376	198.28813	4.351935	11.715137	0
3.00E-01	-4.700	0.300	0.000	0.305	0.000	1169	20.243	1.3	301.6	195.308702	3.644895	10.603175	0
3.00E-01	-4.700	0.300	0.000	0.297	0.000	1195	17.94	0.3	300.68	192.329274	3.173308	10	0
3.00E-01	-4.700	0.300	0.000	0.298	0.000	1039	15.525	0	300.2	189.349846	2.701721	9.264	0
3.00E-01	-4.800	0.300	0.000	0.298	0.000	995	14.742	0	254.516884	187.044379	2.230134	8.997672	0
3.00E-01	-4.800	0.300	0.000	0.298	0.000	961	14.057	10.4	299.280433	186.22508	5.36613	8	0
3.00E-01	-4.800	0.300	0.000	0.298	0.000	918	13.408	10.8	298.8	185.405781	11.940603	7.842043	0
3.00E-01	-4.800	0.300	0.000	0.298	0.000	799	12.691	17.8	298.138933	184.586482	18.515076	7	0
3.00E-01	-4.800	0.300	0.000	0.298	0.000	777	12.42	27.6	257.32279	183.767183	25.089549	7	0
3.00E-01	-4.800	0.300	0.000	0.297	0.000	804	11.836	30.4	291.054524	187.035443	32.358103	7	0
3.00E-01	-4.800	0.300	0.000	0.293	0.000	997	9.906	44.6	296.8	190.668823	45.804671	6.204348	0
3.00E-01	-4.800	0.300	0.000	0.292	0.000	900	7.838	31.3	296.701877	194.302203	59.251238	6	0
3.00E-01	-4.700	0.300	0.000	0.291	0.000	772	6.555	32.6	277.074127	197.935584	72.697806	5	0
3.00E-01	-4.700	0.300	0.000	0.289	0.000	742	6.21	41.2	276.64125	202.563301	86.144374	5	0
3.00E-01	-4.700	0.300	0.000	0.287	0.000	745	5.727	42.8	294.917787	207.721739	89.107969	5.556522	0
4.00E-01	-4.700	0.400	0.000	0.381	0.000	749	5.59	43.7	294.08245	212.880177	90.393316	6	0
4.00E-01	-4.700	0.400	0.000	0.380	0.000	1025	5.688	50.4	291.449103	218.038615	91.678663	6.86231	0
5.00E-01	-4.700	0.500	0.000	0.463	0.000	1387	7.123	73.6	281.737329	230.97569	92.96401	8.416923	0
5.00E-01	-4.700	0.500	0.000	0.464	0.000	1467	9.12	67.8	293.405761	249.522488	90.49073	9	0
5.00E-01	-4.600	0.500	0.000	0.458	0.000	1522	11.278	67.7	293.3	268.069286	87.909176	12.304348	0
6.00E-01	-4.600	0.700	0.000	0.625	0.000	1466	12.755	57.1	293.468369	286.616084	85.327623	18.040741	0
8.00E-01	-4.600	0.900	0.000	0.807	1.400	1369	13.357	14.3	293.494326	288.154041	82.746069	21.714455	0
1.10E+00	-4.600	1.200	0.000	1.080	2.000	1153	11.506	0	292.29956	274.054311	77.786667	25.182119	0
1.20E+00	-4.600	1.300	0.000	1.189	2.000	881	8.352	17.6	291.423585	259.954581	71.860741	27.609459	0
1.20E+00	-4.600	1.300	0.000	1.206	2.000	765	6.038	38.1	290.494014	245.854851	65.934815	28.836471	0
1.20E+00	-4.600	1.300	0.000	1.226	1.300	749	3.299	45.4	273.657679	238.361689	60.008889	28.827131	0
1.20E+00	-4.600	1.300	0.000	1.243	0.500	747	1.218	52.1	289.670629	238.943219	62.764241	27.689	0
1.10E+00	-4.600	1.100	0.000	1.068	0.000	754	0.243	53.1	289.3	239.52475	69.971867	26.268235	0
1.00E+00	-4.600	1.000	0.000	0.960	0.000	749	0.511	50.7	288.763738	240.106281	77.179493	23.878345	0
1.00E+00	-4.600	1.000	0.000	0.955	0.000	758	0	48.1	264.572685	240.534805	84.387119	21.371975	0
9.00E-01	-4.600	1.000	0.000	0.946	0.000	753	0	46.2	287.095105	240.103046	88.187155	20.006977	0
9.00E-01	-4.600	1.000	0.000	0.938	0.000	750	0	46	286.5	239.671288	85.929252	19.007984	0
9.00E-01	-4.600	1.000	0.000	0.933	1.200	753	0	46.9	286.250471	239.23953	83.67135	18	0
9.00E-01	-4.600	1.000	0.000	0.930	2.400	753	0	48.2	268.154501	238.807772	81.413447	18	0
9.00E-01	-4.600	1.000	0.000	0.930	3.000	755	0	48.5	284.359076	238.8	79.280769	18	0

0.10603	0.013	2.4233	4502.01
0.10604	0.013	2.42344	4502.29
0.10605	0.013	2.4236	4502.501
0.10606	0.013	2.4239	4502.642
0.10607	0.013	2.42432	4502.737
0.10608	0.013	2.42466	4502.807
0.10609	0.013	2.42514	4502.864
0.1061	0.013	2.42571	4502.912
0.10611	0.013	2.42626	4502.951
0.10612	0.013	2.42673	4502.988
0.10612	0.013	2.42718	4503.022
0.10613	0.013	2.42759	4503.057
0.10613	0.013	2.42803	4503.089
0.10613	0.013	2.42859	4503.127
0.10613	0.013	2.42916	4503.166
0.10613	0.013	2.42967	4503.2
0.10613	0.013	2.43015	4503.231
0.10614	0.013	2.4308	4503.274
0.10614	0.013	2.43139	4503.312
0.10614	0.013	2.43193	4503.347
0.10614	0.013	2.4325	4503.385
0.10615	0.013	2.43317	4503.447
0.10616	0.013	2.43395	4503.582
0.10617	0.013	2.43502	4503.788
0.10617	0.013	2.43614	4504.071
0.10617	0.013	2.43724	4504.45
0.10617	0.013	2.43828	4504.957
0.10618	0.013	2.43923	4505.586
0.10619	0.013	2.44069	4506.813
0.10621	0.013	2.44343	4508.851
0.10623	0.013	2.44673	4511.729
0.10625	0.013	2.4499	4515.409
0.10628	0.013	2.45193	4519.093
0.1063	0.01301	2.45274	4521.811
0.10632	0.01302	2.45319	4523.565
0.10634	0.01303	2.45366	4525.152
0.10636	0.01304	2.45383	4526.223
0.10638	0.01305	2.45383	4526.91
0.1064	0.01305	2.45389	4527.338
0.10642	0.01305	2.4543	4527.662
0.10643	0.01305	2.45521	4528.035
0.10645	0.01305	2.45632	4528.554
0.10647	0.01305	2.45744	4529.234
0.10649	0.01305	2.45851	4530.065
0.10651	0.01306	2.45933	4530.989
0.10653	0.01307	2.45986	4531.954
0.10654	0.01308	2.46033	4532.916

13:08:06.038	20	0.00001	0.00001	0.00053	0.951	0.000093	0
13:08:07.038	20	0.00001	0.00001	0.00054	0.949	0.000093	0
13:08:08.038	20	0.00001	0.00001	0.00054	0.958	0.000093	0
13:08:09.038	20	0.00001	0.00001	0.00055	0.974	0.000095	0
13:08:10.038	20	0.00001	0.00001	0.00054	0.974	0.000095	0
13:08:11.038	20	0.00001	0.00001	0.00054	0.973	0.000095	0
13:08:12.038	20	0.00002	0.00001	0.00056	1.018	0.000099	0
13:08:13.038	20	0.00002	0.00002	0.00082	1.496	0.000146	0
13:08:14.038	20	0.00005	0.00005	0.00194	3.388	0.00033	0
13:08:15.038	20	0.00007	0.00006	0.00405	5.275	0.000514	0
13:08:16.038	20	0.0001	0.00003	0.00659	8.03	0.000782	1.7
13:08:17.038	20	0.00025	0.00001	0.00528	10.375	0.001009	3.1
13:08:18.038	20	0.00031	0	0.00371	8.954	0.000871	8.4
13:08:19.038	20	0.00029	0	0.00307	7.463	0.000726	13
13:08:20.038	20	0.00029	0	0.00295	7.459	0.000725	17.1
13:08:21.038	20	0.0004	0	0.00461	11.531	0.00112	20.6
13:08:22.038	20	0.00044	0.00001	0.00531	12.994	0.001262	23.5
13:08:23.038	20	0.00027	0.00001	0.00212	6.777	0.000659	26
13:08:24.038	20	0.0002	0	0.0002	4.062	0.000395	28.6
13:08:25.038	20	0.00018	0	0.00066	3.689	0.000359	30.8
13:08:26.038	20	0.00014	0	0.00221	3.744	0.000365	30.2
13:08:27.038	20	0.00014	0	0.00345	4.626	0.000451	29.7
13:08:28.038	20	0.00017	0	0.00424	6.654	0.000647	30
13:08:29.038	20	0.00019	0	0.00415	7.829	0.000761	30.2
13:08:30.038	20	0.00025	0	0.00312	9.446	0.000918	30.9
13:08:31.038	20	0.0003	0	0.0039	10.164	0.000987	31.5
13:08:32.038	20	0.00027	0	0.00249	8.211	0.000798	33.2
13:08:33.038	20	0.0002	0	0.00103	5.359	0.000521	34.6
13:08:34.038	20	0.00018	0	0.00109	5.143	0.0005	35.2
13:08:35.038	20	0.00015	0	0.0023	5.67	0.000551	35.8
13:08:36.038	20	0.0001	0	0.00187	4.225	0.000411	37
13:08:37.038	20	0.00008	0	0.00045	2.674	0.00026	38
13:08:38.038	20	0.00006	0	0	1.554	0.000151	37.9
13:08:39.038	20	0.00004	0	0	0.866	0.000084	37.9
13:08:40.038	20	0.00003	0	0	0.482	0.000047	36.9
13:08:41.038	20	0.00002	0	0.00023	0.294	0.000029	36
13:08:42.038	20	0.00002	0	0.00031	0.182	0.000018	36.1
13:08:43.038	20	0.00003	0	0.00105	0.226	0.000022	36.2
13:08:44.038	20	0.00005	0	0.00399	0.871	0.000086	33.8
13:08:45.038	20	0.00007	0	0.00985	3.815	0.000373	31.8
13:08:46.038	20	0.00015	0	0.01446	9.59	0.000934	34.8
13:08:47.038	20	0.00032	0	0.00919	12.841	0.001248	37.4
13:08:48.038	20	0.00034	0	0.00538	12.036	0.00117	39.2
13:08:49.038	20	0.00035	0	0.00322	10.228	0.000994	40.7
13:08:50.038	20	0.00027	0	0.00299	8.009	0.000779	43
13:08:51.038	20	0.0003	0.00015	0.00308	9.509	0.000924	44.9
13:08:52.038	20	0.00024	0.00073	0.00221	8.663	0.000842	47

9.00E-01	-4.600	1.000	0.000	0.930	3.000	748	0	47.8	283.8	238.8	77.357692	18	0
9.00E-01	-4.600	1.000	0.000	0.930	3.000	750	0	47.9	283.8	238.8	75.434615	18	0
9.00E-01	-4.600	1.000	0.000	0.929	3.000	747	0	48	264.835076	238.795759	73.511538	18	0
9.00E-01	-4.600	1.000	0.000	0.927	3.000	749	0	48.2	282.481699	238.492799	71.70007	18	0
9.00E-01	-4.600	1.000	0.000	0.926	3.000	751	0	48	281.616357	238.189839	70.298528	18	0
9.00E-01	-4.600	1.000	0.000	0.926	3.000	748	0	48.1	280.806979	237.88688	68.896987	18.918108	0
9.00E-01	-4.600	1.000	0.000	0.926	3.000	752	0	50.2	270.295159	237.58392	67.495445	18	0
9.00E-01	-4.600	1.000	0.000	0.926	3.000	844	0	54.8	273.76253	254.771973	66.093903	18	0
9.00E-01	-4.600	1.000	0.000	0.923	3.000	1444	1.912	78.9	279.351765	278.661285	72.737363	18	0
1.00E+00	-4.600	1.100	0.000	0.997	3.000	1709	6.036	82.2	278.242454	302.550597	79.958545	17.159463	0
1.20E+00	-4.600	1.300	0.000	1.156	1.000	1823	9.6	84.2	288.772414	326.439909	87.179727	18.271357	0
2.30E+00	-4.600	2.500	0.000	2.269	0.300	2072	13.208	84.8	277	348.590893	97.179618	21.505443	0
3.30E+00	-4.600	3.700	0.000	3.270	0.000	1950	16.909	69.9	276.997476	370.262951	118.724038	25.364	0
3.70E+00	-4.600	4.100	0.000	3.662	0.000	1732	19.861	76.9	276.158678	391.935009	140.268458	28.016471	0
3.80E+00	-4.600	4.200	0.000	3.760	0.000	1590	22.384	89.5	308.717429	413.607066	161.812878	29.231966	0
3.70E+00	-4.600	4.200	0.000	3.724	0.000	1737	24.634	98.6	287.6204	418.7	181.801647	30.606101	0
3.70E+00	-4.600	4.200	0.000	3.703	0.400	1935	27.315	80.4	276.924242	418.7	178.653185	32.546755	0
3.80E+00	-4.500	4.200	0.000	3.757	0.300	1918	29.19	47.4	277.826877	418.7	175.504723	33.956627	0
3.80E+00	-4.500	4.100	0.000	3.753	0.000	1624	29.19	50.4	311.022785	418.7	172.356261	34	0
3.40E+00	-4.500	3.700	0.000	3.427	0.000	1606	29.19	69.3	300.436145	420.680547	169.207798	33.015458	0
2.80E+00	-4.500	3.000	0.000	2.758	0.000	1603	29.19	74	279.566087	423.416109	182.124122	31.369637	0
2.50E+00	-4.500	2.700	0.000	2.461	0.000	1612	29.202	87.7	280.276896	426.151672	196.175644	31	0
2.40E+00	-4.500	2.700	0.000	2.422	0.000	1640	29.81	88.6	291.724813	428.887234	210.227166	31	0
2.50E+00	-4.500	2.800	0.000	2.485	0.000	1686	30.329	86.9	329.52981	434.801029	224.278689	32.183333	0
2.70E+00	-4.500	3.100	0.000	2.733	-0.700	1750	31.692	88.9	284.739061	444.64673	216.205854	33.313373	0
3.20E+00	-4.500	3.600	0.000	3.180	-0.800	1827	33.055	79.3	287.372695	454.492432	196.937561	34	0
3.40E+00	-4.500	3.800	0.000	3.373	0.000	1893	34.116	74.1	290.361111	464.338134	177.669268	34.653521	0
3.40E+00	-4.500	3.800	0.000	3.413	-0.700	1785	34.973	74.1	358.561395	465.181053	158.400976	34	0
3.00E+00	-4.600	3.300	0.000	3.009	0.000	1539	35.65	83.7	294.750147	450.293835	144.496148	33.799216	0
2.50E+00	-4.600	2.800	0.000	2.523	0.000	1547	36.4	76.4	296.85351	435.406617	134.737545	32.716923	0
2.40E+00	-4.600	2.700	0.000	2.410	0.000	1526	36.64	13.4	298.564186	420.519398	124.978942	32	0
2.40E+00	-4.600	2.700	0.000	2.438	0.000	1507	35.792	3.5	338.364089	401.257315	115.220339	32.08166	0
2.30E+00	-4.600	2.500	0.000	2.321	0.000	1466	35.051	0	300.2	374.672596	101.592845	33	0
2.00E+00	-4.600	2.100	0.000	2.001	0.000	1424	33.89	0	300.660526	348.087877	86.059779	32.075117	0
1.50E+00	-4.700	1.600	0.000	1.544	0.000	1396	32.977	0	300.9	321.503157	70.526712	30.352449	0
1.20E+00	-4.800	1.200	0.000	1.178	0.000	1377	32.724	0	300.968866	302.800265	54.993646	29.099617	0
1.10E+00	-4.900	1.100	0.000	1.081	0.000	1302	31.172	0	301.6	311.245885	79.21499	25.805195	0
1.00E+00	-4.900	1.000	0.000	0.976	0.000	1268	29.81	22.8	301.83236	319.691506	158.110454	22.776484	0
1.00E+00	-4.900	1.000	0.000	0.970	0.000	1326	30.709	80.6	303.407101	328.137127	237.005917	18.047619	0
9.00E-01	-4.800	1.000	0.000	0.940	0.000	1400	32.826	99	318.395041	338.621115	315.901381	6.045677	0
1.40E+00	-4.800	1.600	0.000	1.417	0.000	1514	35.443	95.6	308.690695	376.608288	361.283561	7.053711	0
2.50E+00	-4.700	2.900	0.000	2.535	0.000	1638	38.437	84.9	311.667378	414.595461	348.361809	17.795898	0
2.90E+00	-4.500	3.300	0.000	2.913	-0.700	1761	41.353	76.1	314.601932	452.582634	335.440057	22.182375	0
3.40E+00	-3.400	3.800	0.000	3.380	-1.000	1842	43.341	83.2	388.196646	489.990804	322.518306	24.615854	0
3.40E+00	-2.700	3.800	0.000	3.394	-1.000	1910	45.379	92.6	318.501404	489.377741	302.74857	27.437722	0
3.30E+00	-2.700	3.700	0.000	3.289	5.600	1966	46.615	87	319.910564	488.764678	253.009699	27.155466	1
2.80E+00	-2.900	3.100	0.000	2.790	28.500	2011	47.518	75.7	322.403191	488.151615	203.270828	28	1

0.10655	0.01309	2.46086	4533.867
0.10656	0.0131	2.4614	4534.816
0.10657	0.01311	2.46194	4535.774
0.10658	0.01312	2.46249	4536.748
0.10659	0.01313	2.46303	4537.722
0.1066	0.01314	2.46357	4538.695
0.10662	0.01315	2.46413	4539.713
0.10664	0.01317	2.46495	4541.209
0.10669	0.01322	2.46689	4544.597
0.10676	0.01328	2.47094	4549.872
0.10686	0.01331	2.47753	4557.902
0.10711	0.01332	2.48281	4568.277
0.10742	0.01332	2.48652	4577.231
0.10771	0.01332	2.48959	4584.694
0.108	0.01332	2.49254	4592.153
0.1084	0.01332	2.49715	4603.684
0.10884	0.01333	2.50246	4616.678
0.10911	0.01334	2.50458	4623.455
0.10931	0.01334	2.50478	4627.517
0.10949	0.01334	2.50544	4631.206
0.10963	0.01334	2.50765	4634.95
0.10977	0.01334	2.5111	4639.576
0.10994	0.01334	2.51534	4646.23
0.11013	0.01334	2.51949	4654.059
0.11038	0.01334	2.52261	4663.505
0.11068	0.01334	2.52651	4673.669
0.11095	0.01334	2.529	4681.88
0.11115	0.01334	2.53003	4687.239
0.11133	0.01334	2.53112	4692.382
0.11148	0.01334	2.53342	4698.052
0.11158	0.01334	2.53529	4702.277
0.11166	0.01334	2.53574	4704.951
0.11172	0.01334	2.53574	4706.505
0.11176	0.01334	2.53574	4707.371
0.11179	0.01334	2.53574	4707.853
0.11181	0.01334	2.53597	4708.147
0.11183	0.01334	2.53628	4708.329
0.11186	0.01334	2.53733	4708.555
0.11191	0.01334	2.54132	4709.426
0.11198	0.01334	2.55117	4713.241
0.11213	0.01334	2.56563	4722.831
0.11245	0.01334	2.57482	4735.672
0.11279	0.01334	2.5802	4747.708
0.11314	0.01334	2.58342	4757.936
0.11341	0.01334	2.58641	4765.945
0.11371	0.01349	2.58949	4775.454
0.11395	0.01422	2.5917	4784.117

13:08:53.038	20	0.00022	0.00034	0.00337	8.897	0.000865	48.9
13:08:54.038	20	0.00015	0.00004	0.00231	7.49	0.000729	50.3
13:08:55.038	20	0.00009	0	0.00095	5.386	0.000524	51.4
13:08:56.038	20	0.00006	0	0.00129	4.433	0.000431	51.6
13:08:57.038	20	0.00004	0	0.00125	3.478	0.000338	51.8
13:08:58.038	20	0.00004	0	0.00103	3.21	0.000312	52.8
13:08:59.038	20	0.00004	0	0.00103	2.958	0.000288	53.6
13:09:00.038	20	0.00004	0.00001	0.00136	2.81	0.000274	53.6
13:09:01.038	20	0.00003	0.00001	0.00149	2.661	0.000259	53.6
13:09:02.038	20	0.00003	0	0.00143	2.45	0.000239	53.8
13:09:03.038	20	0.00003	0	0.00124	2.301	0.000224	54
13:09:04.038	20	0.00003	0	0.00096	2.083	0.000203	53
13:09:05.038	20	0.00002	0	0.00077	1.937	0.000189	52.1
13:09:06.038	20	0.00002	0.00001	0.0014	1.908	0.000186	51.7
13:09:07.038	20	0.00002	0.00001	0.00157	2.092	0.000204	51.4
13:09:08.038	20	0.00002	0.00001	0.00154	2.322	0.000226	50.9
13:09:09.038	20	0.00002	0.00001	0.00169	2.566	0.00025	50.4
13:09:10.038	20	0.00002	0	0.00179	2.737	0.000267	50.5
13:09:11.038	20	0.00002	0	0.00149	2.983	0.000291	50.6
13:09:12.038	20	0.00003	0	0.00148	3.057	0.000298	50.5
13:09:13.038	20	0.00003	0	0.00132	3.066	0.000298	50.4
13:09:14.038	20	0.00003	0	0.00124	3.016	0.000294	50.8
13:09:15.038	20	0.00003	0	0.00121	2.943	0.000287	51.1
13:09:16.038	20	0.00003	0	0.00131	3.009	0.000293	51.5
13:09:17.038	20	0.00003	0	0.00157	3.058	0.000298	51.9
13:09:18.038	20	0.00003	0.00001	0.00179	2.884	0.000281	51.4
13:09:19.038	20	0.00003	0.00001	0.00142	2.75	0.000268	50.9
13:09:20.038	20	0.00003	0.00001	0.00115	2.579	0.000251	51
13:09:21.038	20	0.00003	0.00002	0.00089	2.343	0.000228	51
13:09:22.038	20	0.00003	0.00003	0.00083	2.162	0.000211	50.4
13:09:23.038	20	0.00003	0.00004	0.00126	2.038	0.000199	49.8
13:09:24.038	20	0.00003	0.00005	0.00139	1.919	0.000187	50.8
13:09:25.038	20	0.00003	0.00005	0.00155	1.915	0.000187	51.6
13:09:26.038	20	0.00003	0.00005	0.00166	2.027	0.000198	50.1
13:09:27.038	20	0.00003	0.00005	0.00154	2.144	0.000209	48.8
13:09:28.038	20	0.00003	0.00005	0.00146	2.306	0.000225	49
13:09:29.038	20	0.00003	0.00004	0.00155	2.208	0.000215	49.1
13:09:30.038	20	0.00003	0.00002	0.00116	2.146	0.000209	49
13:09:31.038	20	0.00003	0.00001	0.00084	2.005	0.000195	49
13:09:32.038	20	0.00003	0.00001	0.00083	1.83	0.000178	49.6
13:09:33.038	20	0.00003	0.00002	0.0007	1.617	0.000158	50.2
13:09:34.038	20	0.00003	0.00002	0.00055	1.425	0.000139	49.5
13:09:35.038	20	0.00003	0.00002	0.00087	1.261	0.000123	48.8
13:09:36.038	20	0.00003	0.00001	0.00074	1.127	0.00011	48.4
13:09:37.038	20	0.00003	0	0.00083	1.002	0.000098	48
13:09:38.038	20	0.00003	0	0.00079	0.873	0.000085	46.9
13:09:39.038	20	0.00003	0	0.00091	0.77	0.000075	46

2.40E+00	-3.200	2.700	0.000	2.425	12.600	2050	48.771	77.8	362.529348	487.538552	153.531957	28	1
1.80E+00	-3.600	2.000	0.000	1.828	1.600	2052	49.073	65.3	329.983057	477.565794	111.661712	28	1
1.50E+00	-4.000	1.600	0.000	1.465	0.000	1679	49.771	65.6	327.957919	464.860103	109.611481	27.123656	1
1.20E+00	-4.200	1.300	0.000	1.194	0.000	1652	50.3	71.6	329.019692	452.154411	107.561251	26.73389	1
1.10E+00	-4.300	1.200	0.000	1.095	0.000	1675	50.3	64	378.145089	439.47722	105.51102	26	1
1.00E+00	-4.300	1.100	0.000	0.996	0.000	1398	50.3	54.2	330.2	427.196924	102.779865	26	0
1.00E+00	-4.300	1.100	0.000	1.000	0.000	1396	50.3	56.6	330.297468	414.916628	98.140571	26	0
1.00E+00	-4.300	1.100	0.000	1.001	1.000	1396	50.3	57.7	331.84537	402.636332	93.501276	25	0
9.00E-01	-4.400	1.000	0.000	0.911	1.000	1395	50.3	47.1	346.203266	390.356036	88.861981	24.703939	0
9.00E-01	-4.400	1.000	0.000	0.912	0.300	1389	50.3	28.8	340.660782	378.979574	84.222686	24	0
8.00E-01	-4.500	0.900	0.000	0.823	0.000	1383	50.3	42.6	333.1	367.915745	82.370262	23.409225	0
8.00E-01	-4.500	0.900	0.000	0.828	0.000	1378	49.68	47.9	333.793561	356.851915	80.658352	23	0
7.00E-01	-4.500	0.800	0.000	0.741	0.000	1371	49.68	48.3	334.537237	345.788085	78.946442	21.997555	0
7.00E-01	-4.500	0.700	0.000	0.658	1.000	1368	49.68	48.6	336.278947	341.262185	77.234532	20.725782	0
7.00E-01	-4.500	0.700	0.000	0.650	1.000	1366	49.185	52.2	335.2	342.942857	77.667784	20	0
6.00E-01	-4.500	0.700	0.000	0.649	1.000	1362	49.06	58.2	335.2	344.623529	78.441579	19.28103	0
6.00E-01	-4.500	0.700	0.000	0.646	1.000	1369	49.234	63.1	337.199015	346.304202	79.215373	18.021879	0
6.00E-01	-4.500	0.700	0.000	0.641	0.300	1367	49.68	60.5	338.211111	348.572159	79.989167	18.578704	0
6.00E-01	-4.500	0.700	0.000	0.639	0.000	1366	49.68	60.4	337.392927	351.255024	80.236735	18	0
7.00E-01	-4.500	0.800	0.000	0.720	0.000	1364	49.68	60.1	337.5	353.937889	80.476831	18.829612	0
7.00E-01	-4.600	0.800	0.000	0.726	0.000	1363	49.68	60.5	341.1139	356.620754	80.716927	19	1
7.00E-01	-4.600	0.800	0.000	0.726	0.000	1366	49.68	60.7	342.013433	357.022865	80.957023	19.370283	1
8.00E-01	-4.700	0.900	0.000	0.810	0.000	1362	49.22	52.5	338.464341	356.113992	79.546903	20.511526	1
8.00E-01	-4.700	0.900	0.000	0.818	0.000	1362	49.06	59.5	338.228037	355.205118	77.776991	21	1
8.00E-01	-4.700	0.900	0.000	0.820	0.000	1364	49.06	64.1	339.833972	354.296245	76.00708	21	1
8.00E-01	-4.700	0.900	0.000	0.819	1.000	1361	49.408	56.6	342.154083	350.463303	74.237168	21	1
8.00E-01	-4.700	0.900	0.000	0.818	1.000	1359	49.191	51.1	338.2	343.113752	71.057282	21	1
9.00E-01	-4.700	1.000	0.000	0.909	1.000	1351	49.06	43.1	338.2	335.7642	67.659223	21	1
1.00E+00	-4.800	1.100	0.000	1.004	1.700	1345	48.868	43.6	335.82525	328.414648	64.261165	21	1
1.00E+00	-4.800	1.100	0.000	1.008	3.400	1339	48.44	44.7	333.633801	322.372905	60.863107	21	1
1.00E+00	-4.800	1.100	0.000	1.013	4.600	1331	48.44	47.1	336.228747	317.405519	59.407152	20.532357	1
1.00E+00	-4.800	1.100	0.000	1.016	5.000	1325	47.82	47.6	336	312.438133	58.61245	20.866359	1
1.00E+00	-4.800	1.100	0.000	1.016	5.000	1320	47.82	47.2	331.618421	307.470748	57.817748	19.919799	1
1.00E+00	-4.800	1.100	0.000	1.015	5.000	1318	47.82	50.7	329.531106	306.964595	57.023046	19	1
1.00E+00	-4.800	1.100	0.000	1.014	5.000	1316	47.267	53.8	333.913124	309.921248	57.945702	19	1
1.00E+00	-4.800	1.100	0.000	1.013	5.000	1316	47.235	56.4	333.797552	312.8779	58.919649	18.191142	1
1.00E+00	-4.800	1.100	0.000	1.009	4.000	1310	47.657	49.1	331.42538	315.834553	59.893596	18	1
1.10E+00	-4.800	1.200	0.000	1.089	2.700	1306	47.2	44.1	329.008971	312.235955	60.867543	18.345598	1
1.10E+00	-4.800	1.200	0.000	1.096	1.500	1303	47.2	36.3	331.877679	303.73238	60.569077	19	1
1.10E+00	-4.800	1.200	0.000	1.100	1.700	1297	47.2	33.5	330.904301	295.228805	60.070324	19	1
1.20E+00	-4.800	1.300	0.000	1.203	2.700	1292	47.2	29.4	325.325246	286.72523	59.571571	19	1
1.20E+00	-4.900	1.300	0.000	1.212	3.000	1286	46.792	26.4	320.000235	277.667826	59.072818	18.587396	1
1.20E+00	-4.900	1.300	0.000	1.218	2.000	1276	46.58	16.8	328.179452	268.32	59.20683	18	1
1.20E+00	-4.900	1.300	0.000	1.224	1.400	1265	45.95	14.4	327.9	258.972174	59.449019	17.263636	1
1.20E+00	-4.900	1.300	0.000	1.229	0.600	1252	45.788	17.4	317.992759	249.624348	59.691209	16	0
1.20E+00	-4.900	1.300	0.000	1.236	0.000	1242	45.034	28.2	302.797173	248.463556	59.933398	16	0
1.20E+00	-4.900	1.300	0.000	1.243	0.000	1238	44.71	47.3	325.395521	254.982074	64.109167	15.6	0

0.11417	0.01456	2.59507	4793.014
0.11432	0.0146	2.59738	4800.504
0.11441	0.0146	2.59833	4805.89
0.11447	0.0146	2.59962	4810.323
0.11451	0.0146	2.60087	4813.801
0.11455	0.0146	2.6019	4817.011
0.11459	0.0146	2.60293	4819.969
0.11463	0.01461	2.60429	4822.779
0.11466	0.01462	2.60578	4825.44
0.11469	0.01462	2.60721	4827.89
0.11472	0.01462	2.60845	4830.191
0.11475	0.01462	2.60941	4832.274
0.11477	0.01462	2.61018	4834.211
0.11479	0.01463	2.61158	4836.119
0.11481	0.01464	2.61315	4838.211
0.11483	0.01465	2.61469	4840.533
0.11485	0.01466	2.61638	4843.099
0.11487	0.01466	2.61817	4845.836
0.11489	0.01466	2.61966	4848.819
0.11492	0.01466	2.62114	4851.876
0.11495	0.01466	2.62246	4854.942
0.11498	0.01466	2.6237	4857.958
0.11501	0.01466	2.62491	4860.901
0.11504	0.01466	2.62622	4863.91
0.11507	0.01466	2.62779	4866.968
0.1151	0.01467	2.62958	4869.852
0.11513	0.01468	2.631	4872.602
0.11516	0.01469	2.63215	4875.181
0.11519	0.01471	2.63304	4877.524
0.11522	0.01474	2.63387	4879.686
0.11525	0.01478	2.63513	4881.724
0.11528	0.01483	2.63652	4883.643
0.11531	0.01488	2.63807	4885.558
0.11534	0.01493	2.63973	4887.585
0.11537	0.01498	2.64127	4889.729
0.1154	0.01503	2.64273	4892.035
0.11543	0.01507	2.64428	4894.243
0.11546	0.01509	2.64544	4896.389
0.11549	0.0151	2.64628	4898.394
0.11552	0.01511	2.64711	4900.224
0.11555	0.01513	2.64781	4901.841
0.11558	0.01515	2.64836	4903.266
0.11561	0.01517	2.64923	4904.527
0.11564	0.01518	2.64997	4905.654
0.11567	0.01518	2.6508	4906.656
0.1157	0.01518	2.65159	4907.529
0.11573	0.01518	2.6525	4908.299

13:09:40.038	20	0.00004	0	0.00132	0.747	0.000073	46.2
13:09:41.038	20	0.00004	0	0.00207	1.139	0.000111	46.4
13:09:42.038	20	0.00004	0	0.00303	1.795	0.000175	46
13:09:43.038	20	0.00005	0.00001	0.00264	2.689	0.000262	45.6
13:09:44.038	20	0.00006	0	0.00258	3.404	0.000332	45.8
13:09:45.038	20	0.00008	0	0.00268	4.122	0.000401	45.9
13:09:46.038	20	0.00012	0	0.0026	4.799	0.000467	45.5
13:09:47.038	20	0.00012	0	0.00217	4.708	0.000457	45.2
13:09:48.038	20	0.00012	0	0.00154	4.525	0.00044	45
13:09:49.038	20	0.00013	0	0.00171	4.637	0.000451	44.9
13:09:50.038	20	0.00015	0	0.00225	5.595	0.000544	45.8
13:09:51.038	20	0.00019	0	0.00312	7.631	0.000741	46.6
13:09:52.038	20	0.00018	0	0.00264	7.162	0.000695	47.1
13:09:53.038	20	0.00015	0	0.00109	5.09	0.000494	47.5
13:09:54.038	20	0.00012	0	0.00108	3.842	0.000374	48
13:09:55.038	20	0.00012	0	0.00119	4.008	0.00039	48.4
13:09:56.038	20	0.0001	0	0.00145	4.514	0.000439	48.4
13:09:57.038	20	0.0001	0	0.00181	5.303	0.000515	48.4
13:09:58.038	20	0.00009	0	0.0018	5.624	0.000546	49.5
13:09:59.038	20	0.00009	0	0.00112	5.559	0.00054	50.5
13:10:00.038	20	0.00008	0	0.00104	5.054	0.000491	50.5
13:10:01.038	20	0.00007	0	0.00107	4.18	0.000406	50.5
13:10:02.038	20	0.00006	0	0.00097	3.768	0.000366	50.1
13:10:03.038	20	0.00006	0	0.00108	3.796	0.000369	49.7
13:10:04.038	20	0.00007	0	0.0015	4.234	0.000412	49.2
13:10:05.038	20	0.00008	0	0.00164	4.859	0.000472	48.8
13:10:06.038	20	0.00008	0	0.00175	5.432	0.000528	49.8
13:10:07.038	20	0.00009	0	0.00183	5.877	0.000571	50.6
13:10:08.038	20	0.00012	0	0.00271	7.019	0.000682	49.9
13:10:09.038	20	0.00015	0	0.00294	7.925	0.000769	49.3
13:10:10.038	20	0.00017	0	0.00233	8.184	0.000794	50.2
13:10:11.038	20	0.00015	0	0.00173	6.225	0.000604	51
13:10:12.038	20	0.00012	0	0.00015	4.731	0.00046	51.9
13:10:13.038	20	0.0001	0	0.00106	3.868	0.000376	52.6
13:10:14.038	20	0.0001	0	0.00178	4.055	0.000394	52.3
13:10:15.038	20	0.0001	0	0.00173	4.4	0.000428	52
13:10:16.038	20	0.00009	0	0.00122	4.447	0.000432	52.8
13:10:17.038	20	0.0001	0	0.0011	4.781	0.000465	53.5
13:10:18.038	20	0.00011	0	0.00118	5.263	0.000512	53.5
13:10:19.038	20	0.0001	0	0.00141	4.78	0.000464	53.5
13:10:20.038	20	0.00009	0	0.00105	3.866	0.000376	53.7
13:10:21.038	20	0.00009	0	0.00059	3.265	0.000318	53.9
13:10:22.038	20	0.00009	0	0.00041	2.819	0.000274	54.9
13:10:23.038	20	0.00009	0	0.00124	2.732	0.000266	55.8
13:10:24.038	20	0.00009	0	0.00151	2.913	0.000284	54.6
13:10:25.038	20	0.0001	0	0.00163	3.22	0.000314	53.5
13:10:26.038	20	0.0001	0	0.00161	3.389	0.00033	53.1

1.20E+00	-4.900	1.300	0.000	1.246	0.000
1.20E+00	-4.900	1.300	0.000	1.234	0.000
1.20E+00	-4.900	1.300	0.000	1.218	0.000
1.30E+00	-4.900	1.400	0.000	1.284	0.700
1.50E+00	-4.800	1.600	0.000	1.451	0.300
1.80E+00	-4.800	2.000	0.000	1.784	0.000
2.50E+00	-4.700	2.800	0.000	2.460	0.000
2.70E+00	-4.700	3.000	0.000	2.652	0.000
2.80E+00	-4.700	3.100	0.000	2.755	0.000
2.90E+00	-4.700	3.200	0.000	2.851	0.000
2.80E+00	-4.700	3.200	0.000	2.836	0.000
2.80E+00	-4.700	3.200	0.000	2.811	0.000
2.80E+00	-4.700	3.200	0.000	2.809	0.000
3.00E+00	-4.600	3.400	0.000	3.009	0.000
3.00E+00	-4.600	3.400	0.000	3.041	-0.200
2.80E+00	-4.600	3.100	0.000	2.805	-1.000
2.20E+00	-4.600	2.400	0.000	2.179	-1.000
1.90E+00	-4.600	2.100	0.000	1.865	0.000
1.80E+00	-4.600	2.000	0.000	1.769	0.000
1.70E+00	-4.600	1.900	0.000	1.687	-0.400
1.70E+00	-4.600	1.900	0.000	1.681	-1.000
1.70E+00	-4.600	1.900	0.000	1.690	0.000
1.60E+00	-4.600	1.800	0.000	1.611	0.000
1.50E+00	-4.600	1.700	0.000	1.537	0.000
1.50E+00	-4.600	1.700	0.000	1.524	0.000
1.50E+00	-4.600	1.700	0.000	1.518	0.000
1.50E+00	-4.600	1.700	0.000	1.511	0.000
1.60E+00	-4.600	1.800	0.000	1.588	0.000
1.80E+00	-4.600	2.100	0.000	1.841	-1.000
2.20E+00	-4.600	2.500	0.000	2.179	-0.800
2.40E+00	-4.600	2.700	0.000	2.363	0.000
2.60E+00	-4.500	2.900	0.000	2.553	-0.200
2.60E+00	-4.500	2.900	0.000	2.583	-1.000
2.40E+00	-4.500	2.700	0.000	2.442	-1.000
2.30E+00	-4.500	2.500	0.000	2.258	-0.600
2.10E+00	-4.500	2.300	0.000	2.067	0.000
2.00E+00	-4.500	2.200	0.000	1.969	0.000
2.00E+00	-4.500	2.200	0.000	1.968	0.000
2.00E+00	-4.500	2.200	0.000	1.968	0.000
2.00E+00	-4.500	2.300	0.000	2.043	0.000
2.30E+00	-4.600	2.600	0.000	2.318	0.000
2.40E+00	-4.600	2.700	0.000	2.437	0.000
2.50E+00	-4.600	2.700	0.000	2.458	0.000
2.50E+00	-4.600	2.700	0.000	2.468	0.000
2.40E+00	-4.700	2.600	0.000	2.377	0.000
2.40E+00	-4.800	2.600	0.000	2.369	0.000
2.40E+00	-4.800	2.600	0.000	2.363	0.000

1231	44.71	54.4	324.572672	261.500593	69.776984	14.439904	0
1224	44.097	53.5	324.4	268.019111	75.4448	12.535797	0
1219	44.09	64.2	307.166238	279.610428	81.112617	11	0
1216	44.09	75.6	322.8	297.014779	87.968662	11.300294	0
1210	44.09	82.8	321.853939	314.41913	95.41793	12.434191	0
1218	44.09	85.9	320.647847	331.823481	102.867198	13	1
1225	44.09	86.5	326.328349	345.875603	110.316465	15.219346	1
1230	44.52	67.3	319.251313	356.101734	117.546967	16.937431	1
1234	44.71	83.1	318.5	366.327864	124.713591	19.214118	1
1235	44.71	92.5	317.169195	376.553995	131.880215	20.757679	1
1245	45.071	95.5	332.263811	386.808201	139.046839	21.264574	1
1257	45.33	95	315.718655	397.091981	171.134165	22	1
1278	46.061	77.5	314.003	407.375762	207.044389	22.903077	1
1282	46.58	71.8	333.469684	417.659542	242.954613	24.172762	1
1281	46.58	78	333.762901	421.559633	278.864838	24.589008	1
1286	46.58	84.6	311.443836	421.961542	262.850386	23.503914	1
1297	46.595	88.2	310.513851	422.363451	238.171722	23.732628	1
1303	47.2	89.2	321.352224	422.76536	213.493059	23.040793	1
1313	47.2	85.4	327.106577	421.773749	188.814396	23.475366	1
1317	47.753	80.8	309.8	420.080139	175.884684	23.340588	1
1320	47.82	70.1	309.620992	418.386528	163.355919	23.018801	1
1322	47.82	73.9	334.062214	416.692918	150.827154	24	1
1321	47.82	73.4	318.562779	415.290776	138.464968	23.385526	1
1320	47.82	76.9	309	413.976681	128.910828	23	1
1320	47.82	82	309	412.662587	119.356688	22.948718	1
1328	47.82	87.4	338.624419	411.348493	109.802548	22	1
1336	48.44	85	309.930994	422.219617	110.710352	22	1
1343	48.528	89.8	311.2	434.643087	137.482407	22	1
1355	49.06	94.2	311.708885	447.066556	164.254462	22	1
1370	49.577	91.1	369.820385	459.490026	191.026517	22	1
1387	49.825	83	314.235141	455.100506	202.885511	23	1
1390	50.3	68.1	315.013333	450.137225	188.911498	23	1
1392	50.677	75.8	316.388652	445.173943	174.937485	23	1
1396	50.92	78	368.113148	440.238829	160.963471	22.381707	1
1397	50.92	77.1	317.875299	436.840419	148.857676	22	1
1397	50.92	77.2	318.67458	433.44201	141.393133	21.052947	1
1403	50.92	78.2	320.126619	430.043601	133.928589	21	1
1412	50.92	85.9	353.407921	426.645192	126.464046	20.617898	1
1420	51.54	86.7	322.145383	420.057147	119.28078	20.85997	1
1425	51.54	58.6	322.859077	412.98827	112.865778	21	1
1425	51.54	50.9	323.976805	405.919394	106.450777	21	1
1422	51.54	53.4	354.754453	398.866005	100.035776	21	1
1421	51.54	55.6	325.1126	394.009545	94.433804	20.176539	1
1419	51.54	59.8	325.8	389.153086	91.800335	20	1
1423	51.54	63.8	326.274783	384.296627	89.166866	19	1
1425	51.54	64	342.600256	379.440167	86.533397	18.605128	1
1429	51.54	61.6	332.526335	378.453776	83.856387	18	1

0.11577	0.01518	2.65382	4909.046
0.11581	0.01518	2.65589	4910.185
0.11585	0.01518	2.65892	4911.98
0.1159	0.01519	2.66156	4914.669
0.11596	0.01519	2.66414	4918.073
0.11604	0.01519	2.66682	4922.195
0.11616	0.01519	2.66942	4926.994
0.11628	0.01519	2.67159	4931.702
0.1164	0.01519	2.67313	4936.227
0.11653	0.01519	2.67484	4940.864
0.11668	0.01519	2.67709	4946.459
0.11687	0.01519	2.68021	4954.09
0.11705	0.01519	2.68285	4961.252
0.1172	0.01519	2.68394	4966.342
0.11732	0.01519	2.68502	4970.184
0.11744	0.01519	2.68621	4974.192
0.11754	0.01519	2.68766	4978.706
0.11764	0.01519	2.68947	4984.009
0.11773	0.01519	2.69127	4989.633
0.11782	0.01519	2.69239	4995.192
0.1179	0.01519	2.69343	5000.246
0.11797	0.01519	2.6945	5004.426
0.11803	0.01519	2.69547	5008.194
0.11809	0.01519	2.69655	5011.99
0.11816	0.01519	2.69805	5016.224
0.11824	0.01519	2.69969	5021.083
0.11832	0.01519	2.70144	5026.515
0.11841	0.01519	2.70327	5032.392
0.11853	0.01519	2.70598	5039.411
0.11868	0.01519	2.70892	5047.336
0.11885	0.01519	2.71125	5055.52
0.119	0.01519	2.71298	5061.745
0.11912	0.01519	2.71313	5066.476
0.11922	0.01519	2.71419	5070.344
0.11932	0.01519	2.71597	5074.399
0.11942	0.01519	2.7177	5078.799
0.11951	0.01519	2.71892	5083.246
0.11961	0.01519	2.72002	5088.027
0.11972	0.01519	2.7212	5093.29
0.11982	0.01519	2.72261	5098.07
0.11991	0.01519	2.72366	5101.936
0.12	0.01519	2.72425	5105.201
0.12009	0.01519	2.72466	5108.02
0.12018	0.01519	2.7259	5110.752
0.12027	0.01519	2.72741	5113.665
0.12037	0.01519	2.72904	5116.885
0.12047	0.01519	2.73065	5120.274

13:10:27.038	20	0.0001	0	0.00136	3.607	0.000351	52.8
13:10:28.038	20	0.00011	0	0.001	3.643	0.000355	54
13:10:29.038	20	0.00012	0	0.00131	3.975	0.000387	55
13:10:30.038	20	0.00014	0.00001	0.00175	4.76	0.000463	54.7
13:10:31.038	20	0.00013	0	0.00213	4.806	0.000468	54.5
13:10:32.038	20	0.00013	0	0.00187	4.667	0.000454	54.4
13:10:33.038	20	0.00014	0	0.00165	4.317	0.00042	54.4
13:10:34.038	20	0.00015	0	0.00175	4.192	0.000408	55.2
13:10:35.038	20	0.00014	0	0.00166	3.886	0.000378	55.8
13:10:36.038	20	0.00014	0	0.0018	3.695	0.000359	55.9
13:10:37.038	20	0.00014	0	0.00149	3.587	0.000349	55.9
13:10:38.038	20	0.00013	0.00001	0.00138	3.233	0.000315	55.5
13:10:39.038	20	0.00012	0.00002	0.00101	2.992	0.000291	55.1
13:10:40.038	20	0.00012	0.00003	0.00037	2.833	0.000276	54.7
13:10:41.038	20	0.00017	0.00005	0.00016	3.152	0.000307	54.4
13:10:42.038	20	0.0001	0.00002	0	1.164	0.000114	53.6
13:10:43.038	20	0.00006	0	0	0.458	0.000045	52.9
13:10:44.038	20	0.00005	0	0.00099	0.33	0.000032	52.3
13:10:45.038	20	0.00005	0	0.0025	0.667	0.000065	51.8
13:10:46.038	20	0.00005	0	0.00348	1.411	0.000138	51.9
13:10:47.038	20	0.00005	0	0.00287	1.894	0.000185	52
13:10:48.038	20	0.00006	0	0.00194	2.109	0.000206	52.3
13:10:49.038	20	0.00007	0	0.00109	2.037	0.000199	52.6
13:10:50.038	20	0.00008	0.00001	0.0008	2.078	0.000203	52.2
13:10:51.038	20	0.0001	0.00002	0.00113	2.339	0.000228	51.9
13:10:52.038	20	0.0001	0.00002	0.0019	2.539	0.000248	51.6
13:10:53.038	20	0.0001	0.00002	0.00277	2.878	0.000281	51.3
13:10:54.038	20	0.00011	0	0.00263	3.713	0.000362	51.1
13:10:55.038	20	0.00014	0	0.00246	5	0.000487	51
13:10:56.038	20	0.00017	0	0.00354	6.519	0.000634	50.8
13:10:57.038	20	0.00017	0	0.00344	7.313	0.00071	50.7
13:10:58.038	20	0.00016	0	0.00157	6.234	0.000605	51.5
13:10:59.038	20	0.00015	0	0.00136	4.969	0.000483	52.2
13:11:00.038	20	0.00012	0	0.00113	3.829	0.000372	53
13:11:01.038	20	0.00013	0	0.00182	4.231	0.000412	53.7
13:11:02.038	20	0.00014	0	0.00196	4.874	0.000474	53.8
13:11:03.038	20	0.00012	0	0.00147	4.993	0.000485	53.9
13:11:04.038	20	0.00013	0	0.00125	5.201	0.000506	54.7
13:11:05.038	20	0.00014	0	0.00161	5.747	0.000559	55.4
13:11:06.038	20	0.00016	0	0.00213	6.95	0.000675	54.6
13:11:07.038	20	0.00017	0	0.00192	7.212	0.000701	53.9
13:11:08.038	20	0.0002	0	0.00205	8.242	0.000801	54.2
13:11:09.038	20	0.00019	0	0.00185	8.14	0.000791	54.5
13:11:10.038	20	0.0001	0	0.0008	3.867	0.000376	54.8
13:11:11.038	20	0.0001	0	0.00065	3.469	0.000338	55.1
13:11:12.038	20	0.00009	0	0.00075	2.833	0.000276	54.5
13:11:13.038	20	0.00009	0	0.00095	2.725	0.000265	53.9

2.40E+00	-4.800	2.600	0.000	2.354	0.000
2.50E+00	-4.800	2.800	0.000	2.533	0.000
2.50E+00	-4.800	2.800	0.000	2.543	0.300
2.50E+00	-4.700	2.800	0.000	2.534	0.800
2.50E+00	-4.700	2.800	0.000	2.524	0.000
2.70E+00	-4.700	3.000	0.000	2.688	0.000
3.00E+00	-4.700	3.400	0.000	3.039	0.000
3.30E+00	-4.700	3.700	0.000	3.322	0.000
3.30E+00	-4.700	3.700	0.000	3.327	0.000
3.30E+00	-4.700	3.700	0.000	3.332	0.000
3.30E+00	-4.700	3.700	0.000	3.337	0.000
3.30E+00	-4.700	3.700	0.000	3.344	0.500
3.30E+00	-4.700	3.600	0.000	3.270	1.700
3.10E+00	-4.700	3.400	0.000	3.119	2.700
3.00E+00	-4.800	3.200	0.000	2.980	3.000
2.80E+00	-4.800	2.900	0.000	2.775	1.600
2.10E+00	-4.900	2.100	0.000	2.053	0.200
1.70E+00	-5.000	1.700	0.000	1.665	0.000
1.50E+00	-5.000	1.600	0.000	1.540	0.000
1.40E+00	-5.100	1.500	0.000	1.420	0.000
1.60E+00	-5.100	1.700	0.000	1.576	0.000
1.90E+00	-5.000	2.100	0.000	1.929	0.000
2.20E+00	-5.000	2.400	0.000	2.203	0.000
2.40E+00	-5.000	2.600	0.000	2.395	1.200
2.50E+00	-5.000	2.700	0.000	2.508	2.000
2.50E+00	-5.000	2.700	0.000	2.502	2.000
2.50E+00	-5.000	2.700	0.000	2.473	1.300
2.50E+00	-5.000	2.700	0.000	2.457	0.000
2.40E+00	-5.000	2.700	0.000	2.440	0.000
2.50E+00	-5.000	2.800	0.000	2.496	0.000
2.60E+00	-5.000	2.900	0.000	2.552	0.000
2.80E+00	-5.000	3.200	0.000	2.812	0.000
3.00E+00	-5.000	3.400	0.000	3.035	0.000
3.00E+00	-5.000	3.300	0.000	2.973	0.000
2.80E+00	-5.000	3.100	0.000	2.807	0.000
2.60E+00	-5.000	2.900	0.000	2.618	0.000
2.40E+00	-5.000	2.700	0.000	2.428	0.000
2.30E+00	-5.000	2.600	0.000	2.334	0.000
2.30E+00	-5.000	2.600	0.000	2.329	0.000
2.30E+00	-5.000	2.600	0.000	2.321	0.000
2.50E+00	-4.900	2.800	0.000	2.489	0.000
2.60E+00	-4.900	2.900	0.000	2.575	0.000
2.60E+00	-4.900	2.900	0.000	2.579	0.000
2.60E+00	-4.900	2.900	0.000	2.606	0.000
2.60E+00	-5.000	2.900	0.000	2.639	0.000
2.50E+00	-5.000	2.700	0.000	2.479	0.000
2.40E+00	-5.000	2.600	0.000	2.391	0.000

1434	51.54	63.4	328.645254	378.276964	80.077098	18	1
1438	52.16	66.3	329.197123	378.100152	76.297808	18	1
1443	52.16	73.2	344.874229	377.923339	72.518519	18	1
1447	52.16	82.9	334.940311	382.130442	69.265725	17.339557	1
1454	52.78	72.3	331.6	387.004224	73.116816	17	1
1457	52.78	72.5	332.4	391.878005	76.967908	18.009639	1
1459	52.78	76.4	350.542647	396.751787	80.818999	18.709625	1
1466	52.787	75.6	334.578647	394.108396	83.448696	18.746367	1
1465	53.404	60.8	333.759668	390.311852	80.280283	19	1
1462	53.179	63.4	333.320706	386.515308	77.111869	18	1
1465	52.78	56.7	346.514829	382.718764	73.943456	18	1
1461	52.78	49	337.491111	368.22906	70.532565	18	1
1458	52.78	48.6	333.1	350.325446	63.948977	18.691089	1
1433	52.681	3.4	333.1	332.421831	57.365389	19	1
1417	51.923	6	328.84404	314.518217	50.781801	18	1
1406	51.167	20.3	326.962118	305.000587	44.198213	17.283063	1
1397	50.515	29.4	332.828317	300.889711	50.844642	14.665672	1
1392	50.3	48.8	332.605691	296.778835	60.434668	11.964871	1
1391	50.3	50	332.208365	292.667959	70.024694	8.622642	1
1393	50.3	56.9	316.766316	290.531027	79.614721	6.936842	1
1389	50.3	51.8	331.248465	292.043924	82.360514	6.320356	1
1380	50.3	36.6	330.9	293.55682	81.372128	8.03183	1
1381	49.68	48.6	329.456092	295.069717	80.383741	10.53753	1
1378	49.68	51.6	316.219659	298.307262	79.395355	11.985384	1
1378	49.68	63.8	329.4	305.226577	78.855526	12	1
1367	49.68	63.6	329.082927	312.145892	78.614736	12	1
1370	49.68	51.6	328.04792	319.065208	78.373947	12	1
1369	49.68	72.8	326.258709	329.294209	78.133157	14.727273	1
1374	49.68	88.8	327.2	350.666302	86.94416	15	1
1387	49.904	91.8	326.757981	372.038395	106.953467	15.253749	1
1406	50.65	86.8	325.8	393.410488	126.962773	17.597052	1
1420	51.406	76.2	358.406444	414.782581	146.97208	19.53625	1
1418	51.54	66.4	325.783152	412.987974	161.953297	20	1
1422	51.54	75.7	322.74978	409.422822	148.217033	20	1
1427	51.54	76.3	321.798942	405.85767	134.480769	20	1
1435	52.023	73.6	350.01509	402.292518	120.744505	20	1
1438	52.16	69.1	322.395809	409.454318	109.883697	20	1
1444	52.16	84.7	319.2	417.228438	115.978162	20.873754	1
1452	52.451	88.7	318.9116	425.002558	122.072626	21	1
1455	52.78	86.8	363.943599	432.776678	128.16709	21.563768	1
1461	52.78	85.5	318.497889	436.987537	137.560936	22	1
1463	52.818	95.8	317.806651	441.187675	159.594446	22.841427	1
1470	53.41	74.6	318.5	445.387813	181.627955	24.007955	1
1461	53.14	57.6	343.200375	449.58795	203.661464	25.160354	1
1444	52.379	56.7	344.903805	441.336529	225.694974	26	1
1422	51.728	45.9	318.256944	426.081106	205.062053	25.505451	1
1405	51.034	54.5	318.5	410.825682	176.899761	25	1

0.12057	0.01519	2.73201	5123.881
0.12068	0.01519	2.73301	5127.524
0.1208	0.01519	2.73432	5131.499
0.12094	0.0152	2.73607	5136.259
0.12107	0.0152	2.7382	5141.065
0.1212	0.0152	2.74007	5145.732
0.12134	0.0152	2.74172	5150.049
0.12149	0.0152	2.74347	5154.241
0.12163	0.0152	2.74513	5158.127
0.12177	0.0152	2.74693	5161.822
0.12191	0.0152	2.74842	5165.409
0.12204	0.01521	2.7498	5168.642
0.12216	0.01523	2.75081	5171.634
0.12228	0.01526	2.75118	5174.467
0.12245	0.01531	2.75134	5177.619
0.12255	0.01533	2.75134	5178.783
0.12261	0.01533	2.75134	5179.241
0.12266	0.01533	2.75233	5179.571
0.12271	0.01533	2.75483	5180.238
0.12276	0.01533	2.75831	5181.649
0.12281	0.01533	2.76118	5183.543
0.12287	0.01533	2.76312	5185.652
0.12294	0.01533	2.76421	5187.689
0.12302	0.01534	2.76501	5189.767
0.12312	0.01536	2.76614	5192.106
0.12322	0.01538	2.76804	5194.645
0.12332	0.0154	2.77081	5197.523
0.12343	0.0154	2.77344	5201.236
0.12357	0.0154	2.7759	5206.236
0.12374	0.0154	2.77944	5212.755
0.12391	0.0154	2.78288	5220.068
0.12407	0.0154	2.78445	5226.302
0.12422	0.0154	2.78581	5231.271
0.12434	0.0154	2.78694	5235.1
0.12447	0.0154	2.78876	5239.331
0.12461	0.0154	2.79072	5244.205
0.12473	0.0154	2.79219	5249.198
0.12486	0.0154	2.79344	5254.399
0.125	0.0154	2.79505	5260.146
0.12516	0.0154	2.79718	5267.096
0.12533	0.0154	2.7991	5274.308
0.12553	0.0154	2.80115	5282.55
0.12572	0.0154	2.803	5290.69
0.12582	0.0154	2.8038	5294.557
0.12592	0.0154	2.80445	5298.026
0.12601	0.0154	2.8052	5300.859
0.1261	0.0154	2.80615	5303.584

13:11:14.038	20	0.0001	0	0.00159	3.017	0.000294	53.3
13:11:15.038	20	0.00009	0	0.00214	3.158	0.000308	52.7
13:11:16.038	20	0.00008	0	0.00228	3.422	0.000333	52.3
13:11:17.038	20	0.00008	0	0.00214	3.799	0.00037	51.9
13:11:18.038	20	0.00009	0	0.00155	4.025	0.000392	52.2
13:11:19.038	20	0.0001	0	0.00126	4.684	0.000455	52.4
13:11:20.038	20	0.00012	0	0.00194	5.662	0.00055	51.4
13:11:21.038	20	0.00013	0	0.00268	6.511	0.000633	50.5
13:11:22.038	20	0.00012	0	0.00196	5.575	0.000541	51.6
13:11:23.038	20	0.00009	0	0.00061	3.701	0.00036	52.5
13:11:24.038	20	0.00009	0	0.00024	3.008	0.000293	52.3
13:11:25.038	20	0.00007	0	0.00052	2.29	0.000223	52.2
13:11:26.038	20	0.00007	0	0.00086	2.195	0.000214	51.3
13:11:27.038	20	0.00008	0	0.00106	2.404	0.000234	50.5
13:11:28.038	20	0.00009	0.00001	0.00119	2.693	0.000263	51.1
13:11:29.038	20	0.00008	0.00002	0.00198	2.852	0.000278	51.7
13:11:30.038	20	0.00008	0	0.00209	3.098	0.000302	51.4
13:11:31.038	20	0.00008	0	0.00136	3.223	0.000314	51.2
13:11:32.038	20	0.00008	0	0.00133	3.222	0.000314	51.3
13:11:33.038	20	0.00008	0.00002	0.00158	2.903	0.000283	51.3
13:11:34.038	20	0.00007	0.00001	0.00157	2.842	0.000277	51.9
13:11:35.038	20	0.00007	0.00001	0.0009	2.541	0.000247	52.4
13:11:36.038	20	0.00007	0.00001	0.00103	2.336	0.000228	51.9
13:11:37.038	20	0.00008	0.00002	0.00064	2.456	0.000239	51.4
13:11:38.038	20	0.00008	0.00003	0.00113	2.394	0.000233	51.3
13:11:39.038	20	0.00008	0.00002	0.00167	2.66	0.000259	51.2
13:11:40.038	20	0.00009	0.00001	0.0019	3.273	0.000319	51.1
13:11:41.038	20	0.0001	0	0.00303	4.227	0.000412	51
13:11:42.038	20	0.00012	0	0.0025	5.083	0.000494	51.5
13:11:43.038	20	0.0001	0	0.00189	4.244	0.000413	51.9
13:11:44.038	20	0.0001	0	0.00084	3.396	0.00033	53.1
13:11:45.038	20	0.0001	0	0.00039	2.661	0.000259	54.1
13:11:46.038	20	0.00011	0	0.00094	2.64	0.000257	54
13:11:47.038	20	0.0001	0.00001	0.00154	2.827	0.000276	53.9
13:11:48.038	20	0.0001	0.00001	0.00155	3.015	0.000294	52.9
13:11:49.038	20	0.00009	0.00001	0.00168	3.17	0.000309	52.1
13:11:50.038	20	0.00009	0	0.00153	3.338	0.000325	51.4
13:11:51.038	20	0.00009	0	0.00124	3.391	0.00033	50.9
13:11:52.038	20	0.0001	0.00001	0.00114	3.568	0.000347	50.7
13:11:53.038	20	0.0001	0.00001	0.00119	3.863	0.000376	50.5
13:11:54.038	20	0.00009	0.00001	0.0009	3.555	0.000346	50.9
13:11:55.038	20	0.00009	0.00001	0.00083	3.372	0.000328	51.3
13:11:56.038	20	0.00009	0.00001	0.00092	3.108	0.000302	51.6
13:11:57.038	20	0.00008	0.00002	0.00108	2.67	0.00026	51.9
13:11:58.038	20	0.00008	0.00003	0.00135	2.756	0.000269	50.4
13:11:59.038	20	0.00009	0.00004	0.00117	2.958	0.000288	49.1
13:12:00.038	20	0.00011	0.00004	0.00185	3.758	0.000366	50.2

2.30E+00	-5.000	2.500	0.000	2.304	0.000	1393	50.3	70	317.8	395.570259	148.73747	24.19802	1
2.00E+00	-5.000	2.200	0.000	2.031	0.000	1383	50.087	71.6	342.4932	386.539876	120.575179	22.921333	1
1.90E+00	-5.000	2.100	0.000	1.910	0.000	1375	49.68	73.6	319.2	388.919129	108.851163	21.696762	1
1.90E+00	-5.000	2.100	0.000	1.900	0.000	1371	49.68	75.6	319.56933	391.298382	105.595349	21.336818	1
2.00E+00	-5.000	2.200	0.000	1.983	0.000	1369	49.68	73.4	320.918161	393.677635	102.339535	22	1
2.00E+00	-5.000	2.200	0.000	1.976	0.000	1369	49.68	82.3	358.283373	396.453291	99.083721	22	1
2.10E+00	-5.000	2.300	0.000	2.057	0.000	1378	49.825	90.1	321.658134	401.475232	98.568248	22.007471	1
2.00E+00	-5.000	2.300	0.000	2.041	0.000	1392	50.3	85.1	323.314656	406.497172	102.924492	23.093209	1
2.20E+00	-5.000	2.500	0.000	2.204	0.000	1398	50.3	53.8	324.788256	411.519113	107.280736	24	1
2.40E+00	-5.000	2.700	0.000	2.411	0.000	1389	50.3	50.8	364.838983	415.614761	111.63698	24.617568	1
2.40E+00	-5.000	2.700	0.000	2.440	0.000	1388	50.3	53.4	326.480971	401.338947	113.253482	25	1
2.50E+00	-5.000	2.700	0.000	2.460	0.000	1379	50.27	35.4	325.801359	387.063132	105.593315	25	1
2.40E+00	-5.000	2.600	0.000	2.393	0.000	1373	49.68	48.2	326.5	372.787318	97.933148	24.039489	1
2.20E+00	-5.000	2.400	0.000	2.222	0.000	1368	49.68	59.6	332.823537	358.511504	90.272981	23.739401	1
2.10E+00	-5.000	2.300	0.000	2.123	1.200	1364	49.68	73.8	331.501467	355.356165	82.612813	23	1
2.00E+00	-5.000	2.200	0.000	2.014	1.800	1364	49.68	67	327.2	356.546936	80.128179	21.748879	1
2.00E+00	-5.000	2.200	0.000	1.997	0.300	1368	49.68	55.2	327.969903	357.737708	78.093591	21	1
2.10E+00	-5.000	2.300	0.000	2.073	0.000	1366	49.68	55.7	334.120571	358.928479	76.059003	22	1
2.10E+00	-5.000	2.300	0.000	2.086	0.400	1374	49.68	70.4	332.391053	356.153869	74.024415	22	1
2.10E+00	-5.000	2.300	0.000	2.092	2.000	1370	49.68	54.8	328.58671	351.581005	72.023506	22	1
2.10E+00	-5.000	2.300	0.000	2.087	1.000	1369	49.68	47.8	328.72908	347.008141	70.023006	22	1
2.10E+00	-5.000	2.300	0.000	2.092	1.000	1365	49.68	43.5	331.978954	342.435276	68.022506	22	1
2.10E+00	-5.000	2.300	0.000	2.103	1.000	1365	49.68	48.7	330.969323	341.1	66.022006	22	1
2.10E+00	-5.000	2.300	0.000	2.121	2.200	1370	49.68	55.4	329.4	341.1	66.926898	22	1
2.00E+00	-4.900	2.200	0.000	2.040	2.700	1375	49.68	61.6	329.4	341.1	67.864105	20.371986	1
2.00E+00	-4.900	2.200	0.000	2.024	2.000	1376	49.68	66.5	330.647319	341.1	68.801312	19.99	1
2.00E+00	-4.900	2.200	0.000	2.013	0.600	1381	49.98	76.3	332.70742	345.347525	69.738519	19	1
2.00E+00	-4.900	2.200	0.000	1.991	0.000	1389	50.3	90	329.4	353.515842	74.659707	19.359281	1
2.20E+00	-4.900	2.500	0.000	2.228	0.000	1399	50.767	86.9	329.960106	361.684158	81.122545	20.477333	1
2.40E+00	-4.800	2.700	0.000	2.400	0.000	1402	50.92	42.9	330.2	369.852475	87.585384	21.724672	1
2.80E+00	-4.800	3.100	0.000	2.756	0.000	1395	50.635	45.1	342.448573	371.419392	94.048223	24.225502	1
3.00E+00	-4.800	3.300	0.000	2.997	0.000	1391	50.3	51.7	329.4	365.834791	93.301764	24.653575	1
3.00E+00	-5.000	3.300	0.000	3.029	0.000	1387	50.3	59.5	328.975505	360.25019	89.436096	23.58264	1
2.60E+00	-5.000	2.800	0.000	2.592	1.000	1389	50.3	68.2	328.7	354.665589	85.570428	23	1
2.50E+00	-5.000	2.700	0.000	2.478	1.000	1388	50.3	64.3	337.385045	351.063148	81.70476	22.049724	1
2.40E+00	-5.000	2.600	0.000	2.373	1.000	1389	50.3	63.3	327.658358	352.765896	78.600751	22	1
2.40E+00	-5.000	2.600	0.000	2.360	0.000	1388	50.3	67.5	327.2	354.468645	76.097622	22	1
2.40E+00	-5.000	2.600	0.000	2.352	0.200	1387	50.3	66.8	326.656192	356.171394	73.594493	22	1
2.30E+00	-5.000	2.600	0.000	2.347	1.000	1390	50.3	69.3	341.658797	357.233638	71.091364	22	1
2.30E+00	-5.000	2.600	0.000	2.343	1.000	1390	50.3	71	326.244056	354.9581	68.807331	22	1
2.30E+00	-5.000	2.600	0.000	2.340	1.000	1388	50.3	61	325.498347	352.682562	66.692669	22.237986	1
2.30E+00	-5.000	2.600	0.000	2.341	1.000	1387	50.3	54.4	325.1	350.407024	64.578008	23	1
2.40E+00	-5.000	2.600	0.000	2.352	1.000	1380	50.289	52.3	335.868803	348.361384	62.463346	23	1
2.40E+00	-5.000	2.600	0.000	2.366	2.400	1377	49.68	49.7	323.6	348.034128	61.506222	23	1
2.30E+00	-4.900	2.500	0.000	2.292	3.000	1379	49.574	52.8	323.424882	347.706872	63.1498	23	1
2.20E+00	-4.900	2.400	0.000	2.201	3.000	1364	49.06	69	322.330577	347.379617	64.793379	22.882895	1
2.20E+00	-4.900	2.400	0.000	2.185	3.000	1361	49.06	80	330.073101	347.052361	66.436957	21.584596	1

0.1262	0.0154	2.80774	5306.601
0.12629	0.0154	2.80988	5309.759
0.12637	0.0154	2.81216	5313.181
0.12645	0.0154	2.8143	5316.98
0.12654	0.0154	2.81585	5321.005
0.12664	0.0154	2.81711	5325.689
0.12676	0.0154	2.81905	5331.351
0.12689	0.0154	2.82173	5337.862
0.12701	0.0154	2.82369	5343.437
0.1271	0.0154	2.8243	5347.138
0.12719	0.0154	2.82454	5350.146
0.12726	0.0154	2.82506	5352.436
0.12733	0.0154	2.82592	5354.631
0.12741	0.0154	2.82698	5357.035
0.1275	0.01541	2.82817	5359.728
0.12758	0.01543	2.83015	5362.58
0.12766	0.01543	2.83224	5365.678
0.12774	0.01543	2.8336	5368.901
0.12782	0.01543	2.83493	5372.123
0.1279	0.01545	2.83651	5375.026
0.12797	0.01546	2.83808	5377.868
0.12804	0.01547	2.83898	5380.409
0.12811	0.01548	2.84001	5382.745
0.12819	0.0155	2.84065	5385.201
0.12827	0.01553	2.84178	5387.595
0.12835	0.01555	2.84345	5390.255
0.12844	0.01556	2.84535	5393.528
0.12854	0.01556	2.84838	5397.755
0.12866	0.01556	2.85088	5402.838
0.12876	0.01556	2.85277	5407.082
0.12886	0.01556	2.85361	5410.478
0.12896	0.01556	2.854	5413.139
0.12907	0.01556	2.85494	5415.779
0.12917	0.01557	2.85648	5418.606
0.12927	0.01558	2.85803	5421.621
0.12936	0.01559	2.85971	5424.791
0.12945	0.01559	2.86124	5428.129
0.12954	0.01559	2.86248	5431.52
0.12964	0.0156	2.86362	5435.088
0.12974	0.01561	2.86481	5438.951
0.12983	0.01562	2.86571	5442.506
0.12992	0.01563	2.86654	5445.878
0.13001	0.01564	2.86746	5448.986
0.13009	0.01566	2.86854	5451.656
0.13017	0.01569	2.86989	5454.412
0.13026	0.01573	2.87106	5457.37
0.13037	0.01577	2.87291	5461.128

13:12:01.038	20	0.00013	0.00002	0.00315	5.07	0.000493	51.2
13:12:02.038	20	0.00014	0	0.003	6.196	0.000602	51.1
13:12:03.038	20	0.00017	0	0.00194	6.399	0.000621	51
13:12:04.038	20	0.0002	0	0.00122	5.921	0.000575	51.4
13:12:05.038	20	0.00019	0	0.00111	5.19	0.000504	51.7
13:12:06.038	20	0.00017	0	0.00103	4.553	0.000443	52.7
13:12:07.038	20	0.00015	0	0.00138	3.929	0.000382	53.6
13:12:08.038	20	0.00014	0	0.00139	3.658	0.000356	53.4
13:12:09.038	20	0.00012	0	0.00132	3.415	0.000332	53.3
13:12:10.038	20	0.00011	0.00001	0.00125	3.321	0.000323	53.7
13:12:11.038	20	0.00011	0.00003	0.00048	3.296	0.000321	54
13:12:12.038	20	0.00009	0.00003	0.00114	2.968	0.000289	54.7
13:12:13.038	20	0.00008	0.00002	0.00115	2.784	0.000271	55.2
13:12:14.038	20	0.00007	0.00001	0.00089	2.559	0.000249	54.4
13:12:15.038	20	0.00007	0.00002	0.00063	2.151	0.00021	53.7
13:12:16.038	20	0.00007	0.00004	0.00061	1.928	0.000188	55
13:12:17.038	20	0.00007	0.00004	0.001	1.968	0.000192	56.2
13:12:18.038	20	0.00006	0.00004	0.00131	1.912	0.000187	56.5
13:12:19.038	20	0.00006	0.00004	0.00128	1.85	0.00018	56.7
13:12:20.038	20	0.00006	0.00004	0.00103	1.8	0.000176	57
13:12:21.038	20	0.00006	0.00004	0.00108	1.711	0.000167	57.2
13:12:22.038	20	0.00007	0.00004	0.00161	1.776	0.000173	56.8
13:12:23.038	20	0.00007	0.00005	0.00177	1.953	0.000191	56.5
13:12:24.038	20	0.00007	0.00005	0.00203	2.284	0.000223	56.9
13:12:25.038	20	0.00008	0.00004	0.00195	2.461	0.00024	57.2
13:12:26.038	20	0.00008	0.00002	0.0015	2.397	0.000234	57.5
13:12:27.038	20	0.00012	0.00003	0.0008	3	0.000292	57.7
13:12:28.038	20	0.00008	0.00002	0	1.156	0.000113	56.8
13:12:29.038	20	0.00008	0	0	0.626	0.000061	56
13:12:30.038	20	0.00008	0	0.0001	0.339	0.000033	56.2
13:12:31.038	20	0.00005	0	0.00106	0.249	0.000024	56.3
13:12:32.038	20	0.00004	0	0.00173	0.343	0.000034	55.2
13:12:33.038	20	0.00005	0	0.00239	0.62	0.000061	54.3
13:12:34.038	20	0.00006	0	0.0031	1.166	0.000114	53.7
13:12:35.038	20	0.00006	0.00001	0.00378	1.979	0.000194	53.1
13:12:36.038	20	0.0001	0.00003	0.00404	3.108	0.000303	53
13:12:37.038	20	0.00012	0.00002	0.00386	4.125	0.000402	52.9
13:12:38.038	20	0.00012	0.00001	0.00248	3.911	0.000381	53.2
13:12:39.038	20	0.00015	0	0.00148	3.73	0.000363	53.4
13:12:40.038	20	0.00014	0.00001	0.00086	3.275	0.000319	53.9
13:12:41.038	20	0.00014	0.00003	0.00084	2.823	0.000275	54.3
13:12:42.038	20	0.00012	0.00004	0.00142	2.486	0.000242	53.9
13:12:43.038	20	0.00013	0.00004	0.00109	2.542	0.000248	53.6
13:12:44.038	20	0.00017	0.00006	0.00113	3.081	0.0003	53.2
13:12:45.038	20	0.00018	0.00006	0.00261	3.747	0.000366	52.8
13:12:46.038	20	0.00021	0.00003	0.00521	5.71	0.000556	53.4
13:12:47.038	20	0.0002	0	0.00373	4.564	0.000444	54

2.20E+00	-4.900	2.400	0.000	2.165	1.400
2.30E+00	-4.900	2.600	0.000	2.297	0.000
2.80E+00	-4.900	3.200	0.000	2.815	0.000
3.50E+00	-4.900	4.000	0.000	3.514	0.000
3.60E+00	-4.900	4.100	0.000	3.644	-0.400
3.70E+00	-4.900	4.100	0.000	3.667	-0.300
3.60E+00	-4.900	4.000	0.000	3.590	0.000
3.50E+00	-4.900	3.900	0.000	3.504	0.000
3.20E+00	-4.900	3.600	0.000	3.243	0.000
2.90E+00	-4.900	3.200	0.000	2.893	0.600
2.70E+00	-4.900	3.000	0.000	2.735	2.200
2.30E+00	-4.900	2.500	0.000	2.290	3.000
2.30E+00	-4.900	2.500	0.000	2.271	2.000
2.20E+00	-4.900	2.400	0.000	2.191	1.200
2.20E+00	-4.900	2.400	0.000	2.205	2.500
2.20E+00	-5.000	2.400	0.000	2.222	4.000
2.10E+00	-5.000	2.200	0.000	2.052	4.000
1.90E+00	-5.000	2.000	0.000	1.869	4.000
1.90E+00	-5.100	2.000	0.000	1.859	4.000
1.90E+00	-5.100	2.000	0.000	1.861	4.000
1.90E+00	-5.100	2.000	0.000	1.864	4.000
1.90E+00	-5.100	2.000	0.000	1.876	4.000
1.90E+00	-5.100	2.000	0.000	1.876	4.000
1.90E+00	-5.100	2.000	0.000	1.861	4.000
2.00E+00	-5.100	2.200	0.000	2.021	3.600
2.10E+00	-5.100	2.300	0.000	2.111	2.000
2.40E+00	-5.100	2.600	0.000	2.403	2.000
2.60E+00	-5.100	2.700	0.000	2.572	2.000
2.50E+00	-5.100	2.600	0.000	2.527	0.000
2.40E+00	-5.100	2.400	0.000	2.351	0.000
1.80E+00	-5.100	1.800	0.000	1.786	0.000
1.60E+00	-5.100	1.600	0.000	1.555	0.000
1.50E+00	-5.100	1.500	0.000	1.450	0.000
1.50E+00	-5.100	1.600	0.000	1.522	0.200
1.50E+00	-5.100	1.600	0.000	1.505	1.000
2.10E+00	-5.100	2.300	0.000	2.085	2.000
2.40E+00	-5.100	2.600	0.000	2.358	1.300
2.80E+00	-5.100	3.100	0.000	2.780	0.900
3.60E+00	-5.100	4.000	0.000	3.596	0.000
3.70E+00	-4.800	4.100	0.000	3.727	0.700
3.80E+00	-4.700	4.100	0.000	3.750	2.500
3.60E+00	-4.700	3.900	0.000	3.598	3.700
3.50E+00	-4.700	3.800	0.000	3.510	3.700
3.40E+00	-4.800	3.700	0.000	3.431	4.000
3.10E+00	-4.800	3.300	0.000	3.087	3.600
3.20E+00	-4.800	3.600	0.000	3.239	1.400
4.30E+00	-4.800	4.800	0.000	4.327	0.000

1365	49.61	89.8	324.251124	361.621996	68.77156	21.634002	1
1380	49.68	87	322.1	379.029133	84.517684	22	1
1393	49.858	82.5	321.938592	396.436271	100.263808	23.036452	1
1394	50.3	82.4	343.853846	413.843409	116.009932	24.258105	1
1396	50.753	76.5	336.981851	413.916442	131.756056	25.48445	1
1399	50.92	72.7	320.695537	407.281827	122.378184	26	1
1406	50.92	71.5	319.846908	400.647212	110.845267	26	1
1411	51.119	58.9	328.68934	394.012596	99.31235	25.944515	1
1415	51.54	50	337.834633	386.945929	87.779433	25.29186	1
1419	51.54	52.3	318.819067	379.541167	81.745593	25.612871	1
1428	51.54	64.3	318.5	372.136405	77.457837	25	1
1432	52.16	61.1	319.044688	364.731643	73.170081	23.350588	1
1435	52.16	44.3	333.705614	355.808234	68.882325	23	1
1442	52.16	38.5	317.8	344.196692	66.206132	23	1
1450	52.535	42.4	317.8	332.585151	64.791038	23	1
1457	52.78	43.5	317.8	320.97361	63.375943	21.952159	1
1471	52.78	47.4	313.990238	309.954515	61.960849	21	1
1478	53.522	45.4	316.407018	304.388342	61	20.048636	1
1480	54.03	35	317.1	298.822169	61	19	1
1487	54.03	38.8	316.733127	293.255996	61	19	1
1490	54.03	44.4	306.040151	287.689823	61	19	1
1504	54.03	50.6	315.048387	290.914732	61.149144	18.27791	1
1507	54.629	51.2	316.3	294.987902	62.371638	17.229376	1
1513	54.65	54.3	316.3	299.061073	63.594132	16.159036	1
1509	55.044	34.9	312.911153	303.134244	64.816626	17	1
1504	54.736	0.4	315.195904	289.822507	65.632376	17	1
1489	54.596	0.6	317.077807	272.485692	54.144125	17.828607	1
1474	53.8	1.6	316.3	255.148877	42.655875	18.877551	0
1465	53.41	8.3	287.122337	237.812063	31.167624	18	0
1453	52.78	21.2	316.279234	236.430024	23.556465	16.334537	0
1444	52.6	29.8	315.5	235.340436	31.261739	12.818605	0
1435	52.16	41.3	315.5	234.250847	38.967012	9.549824	0
1438	52.16	50.3	289.321113	233.161259	46.672285	8	0
1438	52.16	57.2	308.208834	250.481152	54.213715	7.367491	0
1436	52.16	68.7	314.8	270.998935	58.575236	7	0
1442	52.16	75.4	314.1	291.516719	62.936758	8.044444	0
1451	52.479	71.3	314.950253	312.034503	67.29828	11.511392	0
1461	52.78	55.8	314.164605	316.630318	71.659801	14.454118	0
1463	52.78	53.7	312.731987	315.0035	70.366076	17.888018	1
1461	52.78	55.1	311.058701	313.376682	68.593924	20	1
1454	52.78	51	310.638228	311.749864	66.821772	20	1
1453	52.307	50.3	310.099178	313.884653	65.04962	20	1
1431	52.16	16.1	309.109804	317.940019	79.050237	20	1
1429	51.591	74.2	307.472202	321.995386	93.505213	20	1
1439	52.16	86.4	309.369077	326.050753	107.96019	18.948084	1
1442	52.16	76.3	311.347826	330.739892	122.415166	18.565534	1
1440	51.746	47.7	304.419032	335.960281	126.38703	20.873932	1

0.1305	0.01579	2.87606	5466.198
0.13064	0.01579	2.87906	5472.394
0.13081	0.01579	2.881	5478.793
0.13101	0.01579	2.88222	5484.714
0.1312	0.01579	2.88333	5489.904
0.13137	0.01579	2.88436	5494.457
0.13152	0.01579	2.88574	5498.386
0.13166	0.01579	2.88713	5502.044
0.13178	0.01579	2.88845	5505.459
0.13189	0.0158	2.8897	5508.78
0.132	0.01583	2.89018	5512.076
0.13209	0.01586	2.89132	5515.044
0.13217	0.01588	2.89247	5517.828
0.13224	0.01589	2.89336	5520.387
0.13231	0.01591	2.89399	5522.538
0.13238	0.01595	2.8946	5524.466
0.13245	0.01599	2.8956	5526.434
0.13251	0.01603	2.89691	5528.346
0.13257	0.01607	2.89819	5530.196
0.13263	0.01611	2.89922	5531.996
0.13269	0.01615	2.9003	5533.707
0.13276	0.01619	2.90191	5535.483
0.13283	0.01624	2.90368	5537.436
0.1329	0.01629	2.90571	5539.72
0.13298	0.01633	2.90766	5542.181
0.13306	0.01635	2.90916	5544.578
0.13318	0.01638	2.90996	5547.578
0.13326	0.0164	2.90996	5548.734
0.13334	0.0164	2.90996	5549.36
0.13342	0.0164	2.91006	5549.699
0.13347	0.0164	2.91112	5549.948
0.13351	0.0164	2.91285	5550.291
0.13356	0.0164	2.91524	5550.911
0.13362	0.0164	2.91834	5552.077
0.13368	0.01641	2.92212	5554.056
0.13378	0.01644	2.92616	5557.164
0.1339	0.01646	2.93002	5561.289
0.13402	0.01647	2.9325	5565.2
0.13417	0.01647	2.93398	5568.93
0.13431	0.01648	2.93484	5572.205
0.13445	0.01651	2.93568	5575.028
0.13457	0.01655	2.9371	5577.514
0.1347	0.01659	2.93819	5580.056
0.13487	0.01665	2.93932	5583.137
0.13505	0.01671	2.94193	5586.884
0.13526	0.01674	2.94714	5592.594
0.13546	0.01674	2.95087	5597.158

13:12:48.038	20	0.0002	0	0.0008	3.478	0.000338	53.8
13:12:49.038	20	0.00024	0	0.00093	3.628	0.000353	53.7
13:12:50.038	20	0.00025	0	0.0024	4.017	0.000391	53.4
13:12:51.038	20	0.00021	0	0.00276	4.298	0.000418	53.1
13:12:52.038	20	0.00018	0	0.00181	3.709	0.000361	52.6
13:12:53.038	20	0.00018	0	0.00121	3.327	0.000324	52.1
13:12:54.038	20	0.00016	0	0.0008	2.923	0.000284	51.8
13:12:55.038	20	0.00014	0	0.00088	2.474	0.000241	51.6
13:12:56.038	20	0.00011	0.00002	0.00093	2.276	0.000222	51
13:12:57.038	20	0.00011	0.00003	0.00077	2.165	0.000211	50.5
13:12:58.038	20	0.00011	0.00004	0.00077	2.142	0.000209	50
13:12:59.038	20	0.00008	0.00004	0.00205	2.05	0.0002	49.5
13:13:00.038	20	0.00008	0.00003	0.00196	2.406	0.000235	48.7
13:13:01.038	20	0.00008	0.00001	0.00163	2.579	0.000251	48.1
13:13:02.038	20	0.00008	0.00002	0.00145	2.485	0.000242	48.5
13:13:03.038	20	0.00008	0.00001	0.00126	2.434	0.000237	48.8
13:13:04.038	20	0.00008	0.00001	0.00104	2.293	0.000223	48.1
13:13:05.038	20	0.00008	0.00001	0.00113	2.038	0.000199	47.5
13:13:06.038	20	0.00007	0.00002	0.00108	1.851	0.00018	47.9
13:13:07.038	20	0.00008	0.00003	0.00123	1.869	0.000182	48.3
13:13:08.038	20	0.00006	0.00002	0.001	1.495	0.000146	48.6
13:13:09.038	20	0.0001	0.00003	0.00128	2.297	0.000224	48.8
13:13:10.038	20	0.00013	0.00005	0.00065	2.46	0.00024	46.7
13:13:11.038	20	0.00011	0.00003	0	1.305	0.000127	44.8
13:13:12.038	20	0.0001	0	0.00005	0.548	0.000053	44.2
13:13:13.038	20	0.00008	0	0.00081	0.236	0.000023	43.6
13:13:14.038	20	0.00006	0	0.00132	0.137	0.000018	41.2
13:13:15.038	20	0.00006	0	0.0018	0.12	0.00002	39.1
13:13:16.038	20	0.00006	0	0.00193	0.098	0.000019	37.3
13:13:17.038	20	0.00005	0	0.00155	0.074	0.000016	35.8
13:13:18.038	20	0.00005	0	0.0016	0.11	0.000016	34.3
13:13:19.038	20	0.00005	0	0.0039	0.617	0.000061	33
13:13:20.038	20	0.00004	0	0.00553	1.716	0.000168	32.8
13:13:21.038	20	0.00005	0	0.00491	3.076	0.0003	32.7
13:13:22.038	20	0.00009	0	0.00254	3.166	0.000308	33.3
13:13:23.038	20	0.0001	0	0.00128	2.776	0.00027	33.9
13:13:24.038	20	0.0001	0	0.00049	2.612	0.000254	33.2
13:13:25.038	20	0.00014	0	0.00104	3.45	0.000336	32.5
13:13:26.038	20	0.0001	0.00001	0.00236	3.229	0.000314	32.5
13:13:27.038	20	0.00008	0.00006	0.00298	3.497	0.00034	32.5
13:13:28.038	20	0.00013	0.00009	0.0027	3.673	0.000357	32.8
13:13:29.038	20	0.00016	0.00004	0.00178	3.864	0.000376	33
13:13:30.038	20	0.00021	0	0.0028	5.145	0.0005	33.4
13:13:31.038	20	0.00024	0	0.00558	7.487	0.000727	33.8
13:13:32.038	20	0.00026	0.00008	0.00765	9.415	0.000914	34.2
13:13:33.038	20	0.00021	0.00009	0.00548	7.363	0.000715	34.6
13:13:34.038	20	0.00022	0.00002	0.00428	7.173	0.000697	35.9

4.90E+00	-4.800	5.400	0.000	4.878	0.000
5.00E+00	-4.800	5.500	0.000	5.035	0.000
4.90E+00	-4.900	5.400	0.000	4.932	0.000
4.60E+00	-4.900	5.100	0.000	4.574	0.000
4.70E+00	-4.900	5.200	0.000	4.652	0.000
4.80E+00	-4.900	5.300	0.000	4.770	0.000
4.80E+00	-4.900	5.300	0.000	4.788	0.000
4.70E+00	-4.900	5.200	0.000	4.702	0.400
4.00E+00	-4.900	4.400	0.000	4.021	2.200
3.50E+00	-5.000	3.800	0.000	3.509	3.700
3.20E+00	-5.000	3.400	0.000	3.176	4.000
2.40E+00	-5.100	2.600	0.000	2.432	4.000
2.30E+00	-5.100	2.500	0.000	2.296	2.800
2.40E+00	-5.100	2.600	0.000	2.366	1.300
2.50E+00	-5.100	2.800	0.000	2.547	2.000
2.60E+00	-5.100	2.900	0.000	2.640	1.400
2.60E+00	-5.100	2.900	0.000	2.646	1.000
2.70E+00	-5.200	2.900	0.000	2.660	1.400
2.70E+00	-5.200	2.900	0.000	2.669	2.000
2.70E+00	-5.200	2.900	0.000	2.674	3.000
2.60E+00	-5.200	2.800	0.000	2.588	3.000
2.60E+00	-5.200	2.800	0.000	2.591	3.000
2.50E+00	-5.200	2.700	0.000	2.537	3.000
2.30E+00	-5.200	2.400	0.000	2.311	2.000
2.10E+00	-5.300	2.100	0.000	2.056	0.300
1.80E+00	-5.400	1.800	0.000	1.766	0.000
1.50E+00	-5.500	1.500	0.000	1.490	0.000
1.40E+00	-5.500	1.400	0.000	1.387	0.000
1.30E+00	-5.500	1.300	0.000	1.288	0.000
1.30E+00	-5.500	1.300	0.000	1.288	0.000
1.30E+00	-5.500	1.300	0.000	1.288	0.000
1.20E+00	-5.500	1.200	0.000	1.171	0.000
1.10E+00	-5.500	1.200	0.000	1.129	0.000
1.40E+00	-5.500	1.600	0.000	1.431	0.000
2.70E+00	-5.400	3.100	0.000	2.737	0.000
3.30E+00	-5.300	3.700	0.000	3.315	0.000
3.30E+00	-5.300	3.600	0.000	3.274	0.000
3.00E+00	-5.300	3.300	0.000	3.018	0.000
2.50E+00	-5.300	2.700	0.000	2.466	0.700
2.40E+00	-5.300	2.700	0.000	2.403	5.300
3.50E+00	-5.300	3.900	0.000	3.476	8.000
3.90E+00	-5.300	4.400	0.000	3.919	3.200
3.90E+00	-5.300	4.400	0.000	3.918	0.000
3.50E+00	-5.300	4.000	0.000	3.536	0.000
3.30E+00	-5.300	3.800	0.000	3.316	3.400
3.30E+00	-5.200	3.800	0.000	3.318	4.600
3.40E+00	-5.200	3.800	0.000	3.358	1.000

1421	51.512	54.3	303.198347	341.18067	126.901698	24.241706	1
1411	50.92	83	306.742701	346.401059	127.416366	25	1
1410	50.92	82.4	312.314286	349.580413	127.931034	21	1
1405	50.92	72.1	299.678821	350.575057	120.88341	21.563256	1
1391	50.319	55.9	298.857074	351.569702	112.665639	22.711924	1
1377	50.103	61.2	305.577273	352.564346	104.447869	23	1
1363	49.68	49.8	306.571581	346.424497	96.230098	23	1
1348	49.122	35.9	296.199335	334.724314	88.539738	22.318889	0
1327	48.299	36	295.356216	323.024132	80.86457	22.959623	0
1322	47.82	58.3	298.049432	311.323949	73.189403	22	0
1308	47.355	72.2	296.188602	309.984846	65.514236	20.981906	0
1301	47.2	48.7	294	312.419835	65.460627	19.40101	0
1296	46.611	56.2	293.371731	314.854823	65.954332	18.298837	0
1293	46.58	61.3	293.877746	317.289811	66.448038	18.871043	0
1287	46.58	54.4	298.537104	316.279812	66.941743	19	0
1287	46.115	52.3	292.208526	311.865919	66.184843	19	0
1272	45.95	47.9	292	307.452026	65.260628	19	0
1259	45.95	42.5	292.05632	303.038133	64.336414	19	0
1258	45.762	43.4	294.643991	296.695326	63.4122	18.943613	0
1257	45.33	46	291.3	286.878314	61.766147	18	0
1232	44.864	25.5	291.3	277.061301	59.538976	18	0
1211	44.082	0	291.3	267.244288	57.311804	18	0
1175	43.153	0	279.058002	256.511277	55.084633	17	0
1125	41.781	0	291.771709	243.767752	49.179234	16.674235	0
1064	40.475	0	291.3	231.024226	39.782031	14.462264	0
1016	38.636	0	291.678445	218.280701	30.384827	10.946882	0
977	36.871	0	258.400251	205.537176	20.987623	7.896725	0
1125	35.401	0	290.089059	202.361744	15.081305	5.486486	0
1058	33.552	0	292	199.689896	28.95667	4.207	0
1029	32.127	11.8	291.854758	197.018047	42.832035	3.036452	0
1065	31.67	55.8	260.713688	194.346199	56.7074	3	0
1060	32.215	99.6	282.762574	212.889731	71.027616	1.72944	0
1092	32.29	71.7	290.089764	235.686526	95.494671	0.306	0
1087	32.29	71.2	290	258.483321	119.961725	7.516245	0
1081	32.29	49	289.31635	281.280117	144.428779	16.810606	0
1070	31.84	40.7	288.583935	295.013231	168.895833	19.983683	0
1048	31.67	63.5	287.867762	305.115795	216.217212	21.70412	0
1094	31.914	89.2	287.591432	315.218359	265.688998	21.850856	0
1070	32.29	84	298.919732	325.320923	315.160783	20.22449	0
1107	32.29	66.1	289.051202	332.803349	362.07398	20.25908	0
1095	32.29	71.3	284.60479	339.68707	334.012755	22.388	0
1102	32.326	86.5	282.5	346.570791	305.951531	23	0
1114	33.074	95.8	290.15625	353.454512	277.890306	22	0
1142	33.841	98.7	302.244934	367.119038	249.829082	22.254157	0
1197	35.033	89.9	280.154446	387.194987	289.579631	23	0
1232	36.509	71.7	279.7	407.270937	355.570798	24.291018	0
1236	37.332	90.6	282.627462	427.346886	421.561964	25.838095	0

0.13566	0.01674	2.95167	5600.636
0.1359	0.01674	2.9526	5604.264
0.13615	0.01674	2.955	5608.281
0.13636	0.01674	2.95776	5612.579
0.13654	0.01674	2.95957	5616.288
0.13672	0.01674	2.96078	5619.615
0.13688	0.01674	2.96158	5622.538
0.13702	0.01674	2.96246	5625.012
0.13713	0.01676	2.96339	5627.288
0.13724	0.01679	2.96416	5629.453
0.13735	0.01683	2.96493	5631.595
0.13743	0.01687	2.96698	5633.645
0.13751	0.0169	2.96894	5636.051
0.13759	0.01691	2.97057	5638.63
0.13767	0.01693	2.97202	5641.115
0.13775	0.01694	2.97328	5643.549
0.13783	0.01695	2.97432	5645.842
0.13791	0.01696	2.97545	5647.88
0.13798	0.01698	2.97653	5649.731
0.13806	0.01701	2.97776	5651.6
0.13812	0.01703	2.97876	5653.095
0.13822	0.01706	2.98004	5655.392
0.13835	0.01711	2.98069	5657.852
0.13846	0.01714	2.98069	5659.157
0.13856	0.01714	2.98074	5659.705
0.13864	0.01714	2.98155	5659.941
0.1387	0.01714	2.98287	5660.078
0.13876	0.01714	2.98467	5660.198
0.13882	0.01714	2.9866	5660.296
0.13887	0.01714	2.98815	5660.37
0.13892	0.01714	2.98975	5660.48
0.13897	0.01714	2.99365	5661.097
0.13901	0.01714	2.99918	5662.813
0.13906	0.01714	3.00409	5665.889
0.13915	0.01714	3.00663	5669.055
0.13925	0.01714	3.00791	5671.831
0.13935	0.01714	3.0084	5674.443
0.13949	0.01714	3.00944	5677.893
0.13959	0.01715	3.0118	5681.122
0.13967	0.01721	3.01478	5684.619
0.1398	0.0173	3.01748	5688.292
0.13996	0.01734	3.01926	5692.156
0.14017	0.01734	3.02206	5697.301
0.14041	0.01734	3.02764	5704.788
0.14067	0.01742	3.03529	5714.203
0.14088	0.01751	3.04077	5721.566
0.1411	0.01753	3.04505	5728.739

13:13:35.038	20	0.00026	0	0.00625	8.663	0.000842	37.1
13:13:36.038	20	0.00018	0	0.00207	5.239	0.000509	39.8
13:13:37.038	20	0.00015	0	0.00165	4.514	0.000439	42.2
13:13:38.038	20	0.00013	0	0.00305	5.119	0.000498	42.3
13:13:39.038	20	0.00012	0	0.00413	6.428	0.000625	42.3
13:13:40.038	20	0.00009	0.00004	0.0024	4.984	0.000484	42.9
13:13:41.038	20	0.00007	0.00003	0.00087	3.857	0.000375	43.5
13:13:42.038	20	0.00008	0	0.00119	3.951	0.000384	43
13:13:43.038	20	0.00006	0	0.0017	3.909	0.00038	42.5
13:13:44.038	20	0.00004	0	0.00153	3.72	0.000362	43.1
13:13:45.038	20	0.00004	0	0.00105	3.555	0.000346	43.7
13:13:46.038	20	0.00004	0	0.00076	3.257	0.000317	43.5
13:13:47.038	20	0.00004	0	0.00126	3.142	0.000306	43.4
13:13:48.038	20	0.00003	0	0.0013	2.792	0.000272	43.4
13:13:49.038	20	0.00004	0.00001	0.00151	2.814	0.000274	43.4
13:13:50.038	20	0.00004	0.00001	0.00129	2.966	0.000289	43.6
13:13:51.038	20	0.00004	0.00003	0.0011	2.799	0.000273	43.7
13:13:52.038	20	0.00004	0.00003	0.00167	3.458	0.000337	43.9
13:13:53.038	20	0.00006	0	0.00174	4.229	0.000412	44
13:13:54.038	20	0.00009	0	0.00366	6.083	0.000592	43.6
13:13:55.038	20	0.00012	0	0.00346	6.698	0.000651	43.3
13:13:56.038	20	0.00016	0	0.00231	5.885	0.000572	44.2
13:13:57.038	20	0.00021	0	0.00233	5.696	0.000554	45
13:13:58.038	20	0.00019	0.00002	0.00268	5.773	0.000561	45.6
13:13:59.038	20	0.00015	0.00006	0.00116	4.226	0.000411	46.1
13:14:00.038	20	0.00016	0.00002	0.00123	4.042	0.000393	47.2
13:14:01.038	20	0.00017	0	0.00166	4.068	0.000396	48.2
13:14:02.038	20	0.00015	0	0.00186	4.019	0.000391	48.2
13:14:03.038	20	0.00015	0	0.00181	4.163	0.000405	48.2
13:14:04.038	20	0.00015	0	0.00142	3.999	0.000389	48.4
13:14:05.038	20	0.00015	0	0.00139	3.813	0.000371	48.6
13:14:06.038	20	0.00015	0.00001	0.00141	3.691	0.000359	47.9
13:14:07.038	20	0.00017	0.00003	0.00206	3.897	0.000379	47.3
13:14:08.038	20	0.00017	0.00004	0.00232	3.976	0.000387	47.7
13:14:09.038	20	0.00016	0.00003	0.00205	3.934	0.000383	48
13:14:10.038	20	0.00015	0.00002	0.00161	3.666	0.000357	47.8
13:14:11.038	20	0.00016	0.00002	0.00169	3.668	0.000357	47.6
13:14:12.038	20	0.00017	0.00004	0.00129	3.522	0.000343	48
13:14:13.038	20	0.00017	0.00003	0.00156	3.534	0.000344	48.4
13:14:14.038	20	0.00017	0.00003	0.00162	3.654	0.000356	48.9
13:14:15.038	20	0.00016	0.00003	0.00145	3.355	0.000327	49.4
13:14:16.038	20	0.00015	0.00004	0.00151	3.151	0.000307	49.7
13:14:17.038	20	0.00015	0.00003	0.00149	2.955	0.000288	49.9
13:14:18.038	20	0.00015	0.00004	0.00113	2.752	0.000268	50.1
13:14:19.038	20	0.00014	0.00004	0.00146	2.548	0.000248	50.3
13:14:20.038	20	0.00014	0.00003	0.00156	2.539	0.000247	49.9
13:14:21.038	20	0.00014	0.00003	0.00143	2.466	0.00024	49.6

3.40E+00	-5.200	3.800	0.000	3.356	0.000
3.40E+00	-5.200	3.800	0.000	3.388	0.000
3.10E+00	-5.200	3.400	0.000	3.083	0.000
2.40E+00	-5.200	2.600	0.000	2.362	0.000
2.00E+00	-5.200	2.300	0.000	2.046	0.000
2.00E+00	-5.200	2.200	0.000	1.956	2.700
1.90E+00	-5.200	2.100	0.000	1.891	2.700
1.70E+00	-5.300	1.900	0.000	1.721	0.000
1.30E+00	-5.300	1.400	0.000	1.282	0.000
1.10E+00	-5.400	1.200	0.000	1.083	0.000
1.10E+00	-5.400	1.200	0.000	1.079	0.000
1.10E+00	-5.400	1.200	0.000	1.084	0.000
1.10E+00	-5.400	1.200	0.000	1.087	0.000
1.00E+00	-5.400	1.100	0.000	1.007	0.200
1.00E+00	-5.400	1.100	0.000	1.002	1.000
1.00E+00	-5.400	1.100	0.000	1.005	1.000
1.00E+00	-5.400	1.100	0.000	1.010	2.400
1.00E+00	-5.400	1.100	0.000	1.004	2.000
1.20E+00	-5.400	1.300	0.000	1.172	0.000
1.30E+00	-5.400	1.500	0.000	1.342	0.000
1.80E+00	-5.400	2.100	0.000	1.846	0.000
2.90E+00	-5.400	3.200	0.000	2.871	0.000
3.60E+00	-5.300	4.000	0.000	3.568	0.000
3.50E+00	-5.300	4.000	0.000	3.549	1.200
3.60E+00	-5.300	4.000	0.000	3.573	4.500
3.60E+00	-5.300	4.000	0.000	3.606	1.700
3.50E+00	-5.400	3.900	0.000	3.529	0.000
3.40E+00	-5.500	3.800	0.000	3.420	0.000
3.40E+00	-5.500	3.800	0.000	3.411	0.000
3.40E+00	-5.500	3.800	0.000	3.409	0.000
3.50E+00	-5.500	3.900	0.000	3.501	0.000
3.60E+00	-5.500	4.000	0.000	3.593	0.500
3.60E+00	-5.500	4.000	0.000	3.611	2.400
3.60E+00	-5.500	4.000	0.000	3.608	3.000
3.60E+00	-5.500	4.000	0.000	3.598	2.400
3.60E+00	-5.500	4.000	0.000	3.598	1.300
3.70E+00	-5.500	4.100	0.000	3.704	1.700
3.80E+00	-5.500	4.200	0.000	3.808	3.400
3.80E+00	-5.500	4.200	0.000	3.810	2.600
3.80E+00	-5.500	4.200	0.000	3.803	2.000
3.80E+00	-5.500	4.200	0.000	3.804	2.400
3.80E+00	-5.500	4.200	0.000	3.805	3.000
3.80E+00	-5.500	4.200	0.000	3.821	3.000
3.80E+00	-5.500	4.200	0.000	3.838	3.200
3.80E+00	-5.600	4.200	0.000	3.850	4.000
3.90E+00	-5.600	4.200	0.000	3.854	3.000
3.90E+00	-5.600	4.200	0.000	3.855	3.000

1260	38.656	56.4	311.112633	437.018657	487.553131	26	0
1286	39.12	82	277.6	438.647483	450.723077	26.559871	0
1304	39.704	93.4	277.6	440.276308	398.8	26.293556	0
1324	39.905	86.9	295.017186	441.905133	346.876923	24.002649	0
1351	40.96	64.6	325.743948	438.860914	294.953846	23.238208	0
1364	41.61	52.8	279.666866	431.362699	256.605714	24.354	0
1372	41.61	67	280.792985	423.864485	223.748571	24.515732	0
1375	41.618	75.9	281	416.36627	190.891429	24	0
1382	42.23	60	333.735648	408.62461	158.034286	23	0
1386	42.23	60	283.574194	400.343615	136.654292	23	0
1391	42.23	57.1	285.079282	392.062619	126.213457	22.745995	0
1387	42.23	57.6	286.651109	383.781624	115.772622	22	0
1390	42.23	54.1	323.589163	375.540605	105.331787	22	0
1383	42.23	48.1	289.308317	370.591039	96.142453	21.177515	0
1391	42.23	51	290.003099	365.641473	91.89717	20.156746	0
1382	42.23	63.6	291.451931	360.691907	87.651887	20	0
1384	42.23	72	308.629537	355.742341	83.406604	19.692308	0
1382	42.23	73.2	303.393491	365.623391	79.161321	18.468787	0
1389	42.23	84.7	296.582863	380.47438	93.210499	18	0
1410	42.996	92.9	298.718501	395.325369	107.982327	18	0
1436	43.47	88.9	326.695785	410.176359	122.754155	19.221252	0
1452	44.09	80	306.156934	413.139908	133.797235	20.71319	0
1463	44.171	91.8	305.483765	412.266769	126.763522	21.905345	0
1473	44.71	69.1	307.693375	411.393631	119.729808	22	0
1480	44.71	69.3	338.823588	410.520493	112.696095	22.358621	0
1478	44.71	75.3	317.940962	408.006712	105.779444	23	0
1483	45.33	72	310.472656	405.230275	101.184522	23	0
1484	45.33	71	311.313867	402.453839	96.589601	23	0
1488	45.33	71.4	332.548354	399.677402	91.99468	23	0
1497	45.33	70.7	327.055575	395.348203	87.399758	23	0
1508	45.845	60.6	313.928322	390.415152	82.368841	23	0
1502	45.95	66	314.1	385.4821	77.296377	23	0
1512	45.95	66.7	319.301452	380.549049	72.223913	23	0
1518	45.95	65.5	332.931504	376.426818	67.151449	22.219677	0
1527	46.375	70.1	315.5	373.245	64.872082	23	0
1533	46.58	54.1	316.122222	370.063182	63.412938	22.42741	0
1535	46.58	56	316.3	366.881364	61.953794	22	0
1540	46.747	58.9	335.611712	364.05253	60.49465	22	0
1548	47.2	62.4	317.1	362.118006	59.685088	22	0
1552	47.2	65.5	317.557692	360.183482	59.208671	22	0
1554	47.2	56.5	317.8	358.248958	58.732253	22	0
1564	47.2	49.3	334.806573	355.115601	58.255836	22	0
1570	47.2	51.5	318.5	348.404849	58	21.889603	0
1556	47.2	41.6	318.5	341.694097	58	21	0
1553	47.2	49.3	317.943423	334.983346	58	21	0
1550	47.2	41.8	323.809766	329.308379	58	21	0
1544	47.056	40.4	318.5	328.763014	58.362456	20.004678	0

0.14136	0.01753	3.0513	5737.402
0.14154	0.01753	3.05337	5742.641
0.14169	0.01753	3.05502	5747.155
0.14182	0.01753	3.05807	5752.274
0.14194	0.01753	3.0622	5758.702
0.14203	0.01757	3.0646	5763.686
0.1421	0.0176	3.06547	5767.543
0.14218	0.0176	3.06666	5771.494
0.14224	0.0176	3.06836	5775.403
0.14228	0.0176	3.06989	5779.123
0.14232	0.0176	3.07094	5782.678
0.14236	0.0176	3.0717	5785.935
0.1424	0.0176	3.07296	5789.077
0.14243	0.0176	3.07426	5791.869
0.14247	0.01761	3.07577	5794.683
0.14251	0.01762	3.07706	5797.649
0.14255	0.01765	3.07816	5800.448
0.14259	0.01768	3.07983	5803.906
0.14265	0.01768	3.08157	5808.135
0.14274	0.01768	3.08523	5814.218
0.14286	0.01768	3.08869	5820.916
0.14302	0.01768	3.091	5826.801
0.14323	0.01768	3.09333	5832.497
0.14342	0.0177	3.09601	5838.27
0.14357	0.01776	3.09717	5842.496
0.14373	0.01778	3.0984	5846.538
0.1439	0.01778	3.10006	5850.606
0.14405	0.01778	3.10192	5854.625
0.1442	0.01778	3.10373	5858.788
0.14435	0.01778	3.10515	5862.787
0.1445	0.01778	3.10654	5866.6
0.14465	0.01779	3.10795	5870.291
0.14482	0.01782	3.11001	5874.188
0.14499	0.01786	3.11233	5878.164
0.14515	0.01789	3.11438	5882.098
0.1453	0.01791	3.11599	5885.764
0.14546	0.01793	3.11768	5889.432
0.14563	0.01797	3.11897	5892.954
0.1458	0.018	3.12053	5896.488
0.14597	0.01803	3.12215	5900.142
0.14613	0.01806	3.1236	5903.497
0.14628	0.0181	3.12511	5906.648
0.14643	0.01813	3.1266	5909.603
0.14658	0.01817	3.12773	5912.355
0.14672	0.01821	3.12919	5914.903
0.14686	0.01824	3.13075	5917.442
0.147	0.01827	3.13218	5919.908

13:14:22.038	20	0.00015	0.00004	0.00159	2.623	0.000256	48.7
13:14:23.038	20	0.00016	0.00004	0.00188	2.785	0.000272	48
13:14:24.038	20	0.00017	0.00004	0.00205	3.155	0.000308	48.6
13:14:25.038	20	0.00028	0.00004	0.00427	5.605	0.000546	49.1
13:14:26.038	20	0.00036	0.00003	0.00567	7.183	0.000699	48.8
13:14:27.038	20	0.00031	0	0.00233	4.08	0.000397	48.6
13:14:28.038	20	0.00028	0	0.00031	2.41	0.000235	49.2
13:14:29.038	20	0.00024	0	0.00003	1.899	0.000185	49.7
13:14:30.038	20	0.00022	0	0.00165	2.315	0.000226	48.9
13:14:31.038	20	0.00017	0.00004	0.00262	2.97	0.00029	48.3
13:14:32.038	20	0.00012	0.00005	0.00261	3.005	0.000293	49.4
13:14:33.038	20	0.0001	0.00001	0.00183	2.928	0.000285	50.4
13:14:34.038	20	0.0001	0	0.00029	2.303	0.000224	50.5
13:14:35.038	20	0.00009	0	0	1.41	0.000137	50.5
13:14:36.038	20	0.00008	0	0.00025	0.986	0.000096	49.5
13:14:37.038	20	0.00017	0.00001	0.002	1.541	0.000151	48.6
13:14:38.038	20	0.00016	0	0.00143	0.973	0.000095	47.4
13:14:39.038	20	0.00015	0	0.00059	0.375	0.000037	46.3
13:14:40.038	20	0.00014	0	0.0012	0.218	0.000024	43.7
13:14:41.038	20	0.00011	0	0.00191	0.146	0.000022	41.5
13:14:42.038	20	0.00009	0	0.00197	0.104	0.00002	39.3
13:14:43.038	20	0.00007	0	0.0017	0.075	0.000017	37.4
13:14:44.038	20	0.00004	0	0.00128	0.055	0.000013	34.8
13:14:45.038	20	0.00005	0	0.00167	0.071	0.000017	32.6
13:14:46.038	20	0.00006	0	0.00182	0.08	0.000019	28.1
13:14:47.038	20	0.00005	0	0.00153	0.076	0.000018	24.3
13:14:48.038	20	0.00003	0	0.00071	0.04	0.00001	21.9
13:14:49.038	20	0.00002	0	0.00055	0.031	0.000008	19.8
13:14:50.038	20	0.00002	0	0.00058	0.031	0.000008	17.1
13:14:51.038	20	0.00002	0	0.00061	0.037	0.000009	14.8
13:14:52.038	20	0.00002	0	0.00059	0.044	0.000007	11.9
13:14:53.038	20	0.00002	0	0.00115	0.221	0.000022	9.4
13:14:54.038	20	0.00006	0	0.00892	2.571	0.000252	8.5
13:14:55.038	20	0.00014	0	0.0106	6.208	0.000606	7.7
13:14:56.038	20	0.00052	0	0.00803	8.708	0.000848	9.6
13:14:57.038	20	0.00062	0	0.00489	9.166	0.000891	11.3
13:14:58.038	20	0.00059	0	0.00313	8.718	0.000848	15.9
13:14:59.038	20	0.00065	0	0.00409	9.854	0.000957	19.9
13:15:00.038	20	0.00074	0	0.00493	11.164	0.001084	23.9
13:15:01.038	20	0.00072	0	0.00243	10.558	0.001025	27.4
13:15:02.038	20	0.00056	0	0.00249	9.018	0.000876	29.6
13:15:03.038	20	0.00043	0	0.00359	8.423	0.000819	31.5
13:15:04.038	20	0.00039	0	0.00321	7.966	0.000774	33.5
13:15:05.038	20	0.00034	0	0.00319	6.676	0.000649	35.2
13:15:06.038	20	0.00026	0	0.00218	5.6	0.000545	37.5
13:15:07.038	20	0.00024	0	0.00213	5.191	0.000505	39.5
13:15:08.038	20	0.00022	0	0.002	5.033	0.00049	40.3

3.90E+00	-5.700	4.200	0.000	3.860	3.000	1543	46.58	50.9	318.5	328.21765	59.360959	19.874109	0
3.90E+00	-5.700	4.200	0.000	3.869	3.000	1540	46.58	59.5	318.030817	327.672286	60.359461	19	0
3.90E+00	-5.700	4.200	0.000	3.859	3.000	1537	46.611	68.9	322.834258	328.266537	61.357963	19	0
3.90E+00	-5.700	4.300	0.000	3.915	2.000	1551	47.2	80.9	318.5	336.22577	70.598266	19	0
4.50E+00	-5.600	5.100	0.000	4.547	1.300	1568	47.427	60	318.5	344.185004	94.683044	19.405882	0
7.20E+00	-5.600	8.100	0.000	7.232	0.300	1578	47.82	32.2	318.109775	352.144237	118.767823	23.047431	0
8.30E+00	-5.400	9.000	0.000	8.252	0.000	1568	47.82	36.4	335.339375	359.95387	142.852601	25	0
7.40E+00	-5.400	7.900	0.000	7.363	0.000	1558	47.2	40.9	317.1	356.4054	159.503239	24.159714	0
5.10E+00	-5.400	5.500	0.000	5.130	0.000	1562	47.2	53.2	317.1	352.85693	147.323918	21.113333	0
3.40E+00	-5.400	3.700	0.000	3.384	2.400	1561	47.6	69.4	316.622755	349.30846	135.144597	18.8225	0
2.80E+00	-5.400	3.000	0.000	2.753	3.600	1555	47.804	48.7	330.944898	344.142128	122.965276	15.505814	0
2.70E+00	-5.300	3.000	0.000	2.721	0.800	1545	47.2	19.4	316.157143	327.546383	111.984949	15.980998	0
2.80E+00	-5.300	3.000	0.000	2.762	0.000	1540	46.845	15.5	315.140832	310.950638	103.270927	16.25585	0
2.80E+00	-5.400	3.000	0.000	2.819	0.000	1527	46.58	40.7	314.233373	294.354894	94.556905	17	0
2.80E+00	-5.500	2.900	0.000	2.767	0.000	1491	45.759	13.7	302.949883	278.069388	85.842884	16.849363	0
2.70E+00	-5.600	2.800	0.000	2.697	0.800	1458	44.769	0	313.775439	262.325948	74.37232	14.779956	0
2.60E+00	-5.600	2.700	0.000	2.623	0.000	1401	43.176	0	312.837374	246.582507	60.727096	13.582353	0
2.60E+00	-5.700	2.700	0.000	2.633	0.000	1335	41.07	0	312.6	230.839067	47.081871	11.578824	0
2.60E+00	-5.700	2.600	0.000	2.581	0.000	1263	38.797	0	271.095518	217.293634	33.436647	8.207407	0
2.20E+00	-5.800	2.200	0.000	2.182	0.000	1183	36.542	0	311.028472	210.413124	23.829525	5.917647	0
2.00E+00	-5.900	2.000	0.000	1.984	0.000	1081	33.99	0	310.5	203.532615	19.059252	4.901538	0
1.80E+00	-5.900	1.800	0.000	1.785	0.000	964	31.107	0	309.488824	196.652106	14.288978	3.512941	0
1.50E+00	-5.900	1.500	0.000	1.485	0.000	892	27.738	0	251.308377	190.388227	9.518704	3	0
1.40E+00	-6.000	1.400	0.000	1.381	0.000	1007	24.675	0	307.129741	187.26766	6.348966	3	0
1.30E+00	-6.000	1.300	0.000	1.290	0.000	997	22.1	0	306.1	184.147092	4.969655	2.890698	0
1.30E+00	-6.000	1.300	0.000	1.282	0.000	1020	19.469	0	305.351852	181.026525	3.590345	2	0
1.20E+00	-6.000	1.200	0.000	1.183	0.000	1036	16.692	0.2	257.813333	177.905957	2.211034	2	0
1.10E+00	-5.900	1.100	0.000	1.092	0.000	940	14.367	2	297.096433	180.805371	2.872994	2	0
1.00E+00	-5.900	1.000	0.000	0.986	0.000	758	11.941	25.3	301.750495	184.130179	18.225401	2	0
9.00E-01	-5.900	0.900	0.000	0.898	0.000	912	9.711	37.7	301.508777	187.454987	33.577809	2.850694	0
9.00E-01	-5.900	0.900	0.000	0.890	0.000	833	7.815	29.1	280.550365	190.779795	48.930216	3	0
9.00E-01	-5.900	0.900	0.000	0.875	0.000	989	7.069	53.9	275.792652	218.071781	64.282624	3	0
9.00E-01	-5.900	0.900	0.000	0.853	0.000	1614	8.661	86.5	297.40765	259.25943	81.689434	1.97397	0
1.60E+00	-5.800	1.700	0.000	1.589	0.000	1891	11.545	83.8	295.045139	300.447078	99.538077	3.498866	0
5.30E+00	-5.300	5.900	0.000	5.293	0.000	1888	15.439	77.5	297.706349	341.634727	117.386721	17.571812	0
6.40E+00	-5.100	7.200	0.000	6.433	0.000	1822	18.713	72.1	314.708817	374.9175	135.235364	20.144019	0
6.60E+00	-5.000	7.400	0.000	6.601	0.000	1640	21.299	81.4	286.969774	397.4175	137.562172	21.514174	0
6.90E+00	-5.000	7.800	0.000	6.890	-0.200	1734	24.604	92.1	285.187879	419.9175	130.415912	23	0
7.20E+00	-5.000	8.100	0.000	7.152	-0.800	1923	27.708	86.6	283.36419	442.4175	123.269652	23	0
7.20E+00	-5.000	8.100	0.000	7.159	0.000	2004	30.076	81.6	362.552154	459.434756	116.123392	23	0
6.10E+00	-5.000	6.900	0.000	6.126	0.000	1783	32.208	78.9	281.527313	457.348459	112	22.929271	0
5.10E+00	-5.100	5.700	0.000	5.097	-0.300	1876	34.05	79.4	281	455.262162	112	22	0
4.80E+00	-5.100	5.400	0.000	4.819	-1.000	1970	35.548	77.8	281.401356	453.175865	112	22	0
4.70E+00	-5.200	5.200	0.000	4.677	-1.000	1726	37.094	76.8	350.341636	451.070875	112	22	0
4.20E+00	-5.200	4.700	0.000	4.245	-0.200	1630	38.184	74.9	282.615743	445.245875	110.233199	20.98337	0
4.10E+00	-5.200	4.500	0.000	4.060	0.000	1676	39.58	73.7	283.324264	439.420875	105.483733	20	0
4.00E+00	-5.200	4.500	0.000	4.047	0.000	1724	40.753	76.8	284.191149	433.595875	100.734267	20	0

0.14715	0.01831	3.13377	5922.531
0.14731	0.01835	3.13565	5925.316
0.14748	0.01839	3.1377	5928.471
0.14776	0.01843	3.14197	5934.076
0.14812	0.01846	3.14764	5941.259
0.14843	0.01846	3.14997	5945.339
0.14871	0.01846	3.15028	5947.749
0.14895	0.01846	3.15031	5949.648
0.14917	0.01846	3.15196	5951.963
0.14934	0.0185	3.15458	5954.933
0.14946	0.01855	3.15719	5957.938
0.14956	0.01856	3.15902	5960.866
0.14966	0.01856	3.15931	5963.169
0.14975	0.01856	3.15931	5964.579
0.14983	0.01856	3.15956	5965.565
0.15	0.01857	3.16156	5967.106
0.15016	0.01857	3.16299	5968.079
0.15031	0.01857	3.16358	5968.454
0.15045	0.01857	3.16478	5968.672
0.15056	0.01857	3.16669	5968.818
0.15065	0.01857	3.16866	5968.922
0.15072	0.01857	3.17036	5968.997
0.15076	0.01857	3.17164	5969.052
0.15081	0.01857	3.17331	5969.123
0.15087	0.01857	3.17513	5969.203
0.15092	0.01857	3.17666	5969.279
0.15095	0.01857	3.17737	5969.319
0.15097	0.01857	3.17792	5969.35
0.15099	0.01857	3.1785	5969.381
0.15101	0.01857	3.17911	5969.418
0.15103	0.01857	3.1797	5969.462
0.15105	0.01857	3.18085	5969.683
0.15111	0.01857	3.18977	5972.254
0.15125	0.01857	3.20037	5978.462
0.15177	0.01857	3.2084	5987.17
0.15239	0.01857	3.21329	5996.336
0.15298	0.01857	3.21642	6005.054
0.15363	0.01857	3.22051	6014.908
0.15437	0.01857	3.22544	6026.072
0.15509	0.01857	3.22787	6036.63
0.15565	0.01857	3.23036	6045.648
0.15608	0.01857	3.23395	6054.071
0.15647	0.01857	3.23716	6062.037
0.15681	0.01857	3.24035	6068.713
0.15707	0.01857	3.24253	6074.313
0.15731	0.01857	3.24466	6079.504
0.15753	0.01857	3.24666	6084.537

13:15:09.038	20	0.00019	0	0.00147	4.333	0.000421	41
13:15:10.038	20	0.00018	0	0.00129	4.132	0.000402	42.2
13:15:11.038	20	0.00016	0.00002	0.00132	3.447	0.000335	43.3
13:15:12.038	20	0.00013	0.00007	0.00092	2.586	0.000252	44.7
13:15:13.038	20	0.00011	0.00009	0.00049	2.1	0.000204	45.8
13:15:14.038	20	0.0001	0.00007	0.0004	1.688	0.000165	45.4
13:15:15.038	20	0.00009	0.00004	0.00054	1.453	0.000142	45.1
13:15:16.038	20	0.00009	0.00001	0.00072	1.409	0.000137	45.5
13:15:17.038	20	0.00009	0.00001	0.00098	1.385	0.000135	45.9
13:15:18.038	20	0.00009	0.00001	0.001	1.382	0.000135	46
13:15:19.038	20	0.00009	0.00002	0.00118	1.366	0.000133	46.1
13:15:20.038	20	0.0001	0.00001	0.00118	1.276	0.000125	46.1
13:15:21.038	20	0.0001	0	0.00139	1.278	0.000125	46.1
13:15:22.038	20	0.0001	0	0.00191	1.492	0.000146	47
13:15:23.038	20	0.00011	0.00001	0.00103	1.539	0.00015	47.8
13:15:24.038	20	0.00012	0.00002	0.00103	1.471	0.000144	47.2
13:15:25.038	20	0.00012	0.00003	0.00105	1.352	0.000132	46.7
13:15:26.038	20	0.00012	0.00001	0.00078	1.165	0.000114	46.6
13:15:27.038	20	0.00012	0.00001	0.00075	1.021	0.0001	46.6
13:15:28.038	20	0.00012	0	0.00124	1.115	0.000109	46.6
13:15:29.038	20	0.00014	0	0.00155	1.391	0.000136	46.6
13:15:30.038	20	0.00015	0.00002	0.00169	1.719	0.000168	47
13:15:31.038	20	0.00017	0.00003	0.00233	2.08	0.000203	47.3
13:15:32.038	20	0.00018	0.00004	0.00242	2.429	0.000237	47.7
13:15:33.038	20	0.0002	0.00003	0.00196	2.569	0.000251	48.1
13:15:34.038	20	0.0002	0.00003	0.00141	2.391	0.000233	48.1
13:15:35.038	20	0.00019	0.00003	0.00133	2.223	0.000217	48.1
13:15:36.038	20	0.00019	0.00003	0.00097	2.005	0.000195	48
13:15:37.038	20	0.00018	0.00004	0.00077	1.743	0.00017	47.9
13:15:38.038	20	0.00018	0.00004	0.00068	1.434	0.00014	47.8
13:15:39.038	20	0.00017	0.00002	0.00083	1.184	0.000116	47.8
13:15:40.038	20	0.00017	0.00001	0.00117	1.095	0.000107	47.1
13:15:41.038	20	0.00016	0.00001	0.00102	0.932	0.000091	46.5
13:15:42.038	20	0.00016	0	0.00104	0.852	0.000083	46.4
13:15:43.038	20	0.00016	0	0.00155	0.952	0.000093	46.3
13:15:44.038	20	0.00016	0	0.00215	1.246	0.000122	46
13:15:45.038	20	0.00017	0.00002	0.00228	1.548	0.000151	45.8
13:15:46.038	20	0.00016	0.00004	0.00176	1.678	0.000164	45.7
13:15:47.038	20	0.00016	0.00005	0.00148	1.801	0.000176	45.6
13:15:48.038	20	0.00019	0.00005	0.00131	2.017	0.000197	45.8
13:15:49.038	20	0.0002	0.00006	0.00143	2.173	0.000212	45.9
13:15:50.038	20	0.0002	0.00005	0.00187	2.332	0.000227	45.5
13:15:51.038	20	0.00018	0.00004	0.00193	2.339	0.000228	45.1
13:15:52.038	20	0.00018	0.00002	0.00144	2.274	0.000222	45.3
13:15:53.038	20	0.00019	0.00002	0.0012	2.039	0.000199	45.5
13:15:54.038	20	0.00019	0.00004	0.00077	1.887	0.000184	45.1
13:15:55.038	20	0.00019	0.00004	0.00115	1.785	0.000174	44.8

4.00E+00	-5.200	4.400	0.000	3.951	0.000
3.90E+00	-5.200	4.400	0.000	3.945	0.200
4.00E+00	-5.200	4.400	0.000	3.963	2.000
4.00E+00	-5.200	4.400	0.000	3.980	7.200
3.90E+00	-5.300	4.300	0.000	3.932	9.800
3.50E+00	-5.300	3.800	0.000	3.536	8.200
3.40E+00	-5.400	3.600	0.000	3.360	4.300
3.20E+00	-5.400	3.400	0.000	3.181	1.600
3.10E+00	-5.400	3.300	0.000	3.098	1.000
3.10E+00	-5.400	3.300	0.000	3.092	1.400
3.10E+00	-5.400	3.300	0.000	3.101	2.000
3.20E+00	-5.400	3.400	0.000	3.207	1.000
3.20E+00	-5.400	3.400	0.000	3.202	0.000
3.40E+00	-5.400	3.700	0.000	3.430	0.200
3.80E+00	-5.400	4.100	0.000	3.801	1.500
4.00E+00	-5.400	4.300	0.000	4.007	2.700
4.10E+00	-5.400	4.400	0.000	4.118	3.000
4.10E+00	-5.400	4.400	0.000	4.148	1.400
4.20E+00	-5.400	4.400	0.000	4.165	0.800
4.20E+00	-5.400	4.400	0.000	4.154	0.000
4.20E+00	-5.400	4.500	0.000	4.224	0.200
4.20E+00	-5.400	4.500	0.000	4.210	1.400
4.40E+00	-5.400	4.700	0.000	4.356	3.000
4.60E+00	-5.400	5.000	0.000	4.596	3.800
5.10E+00	-5.400	5.600	0.000	5.118	3.000
5.50E+00	-5.400	6.000	0.000	5.504	3.000
5.70E+00	-5.400	6.200	0.000	5.702	3.000
5.90E+00	-5.400	6.400	0.000	5.902	3.000
5.90E+00	-5.400	6.400	0.000	5.945	4.000
6.00E+00	-5.400	6.400	0.000	5.991	4.000
5.90E+00	-5.400	6.300	0.000	5.942	2.500
5.70E+00	-5.400	6.000	0.000	5.676	1.600
5.40E+00	-5.400	5.700	0.000	5.416	0.800
5.30E+00	-5.500	5.600	0.000	5.337	0.000
5.10E+00	-5.500	5.400	0.000	5.137	0.000
5.10E+00	-5.500	5.400	0.000	5.091	0.400
5.00E+00	-5.500	5.400	0.000	5.050	2.400
5.00E+00	-5.500	5.400	0.000	5.020	3.700
5.10E+00	-5.500	5.500	0.000	5.099	4.700
5.30E+00	-5.500	5.700	0.000	5.274	5.000
5.40E+00	-5.500	5.800	0.000	5.367	5.000
5.30E+00	-5.500	5.800	0.000	5.337	4.200
5.40E+00	-5.500	5.900	0.000	5.395	3.600
5.60E+00	-5.500	6.200	0.000	5.649	2.000
6.10E+00	-5.500	6.700	0.000	6.123	2.600
6.20E+00	-5.500	6.700	0.000	6.169	4.000
6.20E+00	-5.600	6.700	0.000	6.194	4.700

1768	42.083	70.3	343.554187	427.704232	95.984802	19.403614	0
1802	42.85	61.4	288.722222	408.550717	90.677458	19.782353	0
1753	42.933	44.8	287.249587	389.397202	82.462914	19.10636	0
1436	43.47	25.8	288.252027	370.243687	74.248369	18.916	0
1439	43.875	30.6	306.690382	351.090172	66.033825	18	0
1448	44.09	34.4	295.941696	338.172755	58.025779	18	0
1453	44.09	34	290.537908	326.596515	59.197563	17.281385	0
1457	44.165	31.3	290.652005	315.020276	60.369346	16.11589	0
1463	44.71	29.5	292.213485	303.444036	61.54113	15.8925	0
1467	44.71	25.2	293.784871	296.034661	62.712913	14	0
1475	44.71	36.8	293.014368	292.076087	64.734835	13.631124	0
1484	45.112	41.3	293.719167	288.117514	67.032629	13	0
1483	45.33	34.5	294.580125	284.158941	69.330423	12.38	0
1485	45.33	31.2	288.825058	279.795136	71.628217	12	0
1486	45.33	25.2	296.1	273.830466	72.907314	11	0
1484	45.33	18.5	296.438333	267.865795	72.677323	11	0
1483	45.33	28.2	297.795809	261.901124	72.447332	11	0
1483	45.33	35	284.984981	255.936453	72.217341	11	0
1487	45.33	35.7	295.747936	258.291164	72.037517	10.36787	0
1487	45.33	37.2	299.5	262.195274	72.719645	10	0
1499	45.33	51.4	300.839059	266.099384	73.401774	9.233412	0
1504	45.455	51.3	298.8602	270.003493	74.083902	9	0
1514	45.95	49.7	292.618663	273.723375	74.76603	9	0
1526	46.285	48.8	302.5	277.229584	74.359805	9.30836	0
1534	46.58	50.1	302.5	280.735793	73.385384	10	0
1527	46.58	43.3	303.159442	284.242001	72.410962	10	0
1522	46.58	39.5	297.221152	283.265176	71.436541	11	0
1516	46.297	28.6	303.483111	274.178592	70.189824	11.22467	0
1505	45.95	25.7	303.521445	265.092008	68.722114	12	0
1495	45.45	27.1	302.66975	256.005423	67.254403	12	0
1478	45.285	21	275.541678	247.835471	65.786693	11.183206	0
1471	44.71	22.9	302.235753	244.779359	65.452793	11	0
1464	44.71	35.1	301.6	241.723246	66.428641	11	0
1461	44.268	41.6	301.133333	238.667134	67.404489	10.527381	0
1461	44.09	44.1	269.474389	236.586563	68.380337	10	0
1457	44.09	45.8	299.5	239.627581	69	9.004603	0
1457	44.09	46.3	299.106199	242.6686	69	8.115789	0
1449	44.09	37	298.2	245.709618	69	9	0
1445	44.09	40.1	280.458468	248.750636	69	9.50625	0
1443	43.511	50.7	294.855568	254.729173	69	10	0
1441	43.47	53.3	296.240417	260.970102	69	10	0
1435	43.47	51.7	294.666244	267.21103	69	10	0
1427	43.47	46	290.039604	273.451959	69	10	0
1423	43.47	45.9	293.258733	271.671174	68.777831	10.734446	0
1419	43.378	43	292.629502	267.680325	67.570394	11.915649	0
1418	42.85	41.8	291.533333	263.689476	66.362956	12	0
1415	42.85	42.8	280.577273	259.698627	65.155518	12	0

0.15772	0.01857	3.24813	6088.87
0.1579	0.01857	3.24942	6093.002
0.15806	0.01859	3.25074	6096.449
0.15819	0.01866	3.25166	6099.035
0.1583	0.01875	3.25215	6101.135
0.1584	0.01882	3.25255	6102.823
0.15849	0.01886	3.25309	6104.276
0.15858	0.01887	3.25381	6105.685
0.15867	0.01888	3.25479	6107.07
0.15876	0.01889	3.25579	6108.452
0.15885	0.01891	3.25697	6109.818
0.15895	0.01892	3.25815	6111.094
0.15905	0.01892	3.25954	6112.372
0.15915	0.01892	3.26145	6113.864
0.15926	0.01893	3.26248	6115.403
0.15938	0.01895	3.26351	6116.874
0.1595	0.01898	3.26456	6118.226
0.15962	0.01899	3.26534	6119.391
0.15974	0.019	3.26609	6120.412
0.15986	0.019	3.26733	6121.527
0.16	0.019	3.26888	6122.918
0.16015	0.01902	3.27057	6124.637
0.16032	0.01905	3.2729	6126.717
0.1605	0.01909	3.27532	6129.146
0.1607	0.01912	3.27728	6131.715
0.1609	0.01915	3.27869	6134.106
0.16109	0.01918	3.28002	6136.329
0.16128	0.01921	3.28099	6138.334
0.16146	0.01925	3.28176	6140.077
0.16164	0.01929	3.28244	6141.511
0.16181	0.01931	3.28327	6142.695
0.16198	0.01932	3.28444	6143.79
0.16214	0.01933	3.28546	6144.722
0.1623	0.01933	3.2865	6145.574
0.16246	0.01933	3.28805	6146.526
0.16262	0.01933	3.2902	6147.772
0.16279	0.01935	3.29248	6149.32
0.16295	0.01939	3.29424	6150.998
0.16311	0.01944	3.29572	6152.799
0.1633	0.01949	3.29703	6154.816
0.1635	0.01955	3.29846	6156.989
0.1637	0.0196	3.30033	6159.321
0.16388	0.01964	3.30226	6161.66
0.16406	0.01966	3.3037	6163.934
0.16425	0.01968	3.3049	6165.973
0.16444	0.01972	3.30567	6167.86
0.16463	0.01976	3.30682	6169.645

13:15:56.038	20	0.00019	0.00005	0.00152	1.755	0.000171	45.2
13:15:57.038	20	0.00021	0.00005	0.00172	1.903	0.000186	45.5
13:15:58.038	20	0.00021	0.00005	0.0017	2.102	0.000205	44.7
13:15:59.038	20	0.00021	0.00006	0.00193	2.389	0.000233	44
13:16:00.038	20	0.00022	0.00005	0.00216	2.68	0.000261	44.2
13:16:01.038	20	0.00023	0.00003	0.00211	2.95	0.000287	44.4
13:16:02.038	20	0.00026	0.00002	0.00208	3.441	0.000335	45.4
13:16:03.038	20	0.00042	0.00002	0.00346	5.56	0.000541	46.3
13:16:04.038	20	0.00046	0.00004	0.00397	6.478	0.00063	46.3
13:16:05.038	20	0.00037	0.00009	0.00082	3.699	0.000359	46.3
13:16:06.038	20	0.00032	0.00003	0.00011	2.578	0.000251	47.2
13:16:07.038	20	0.00028	0	0.00011	1.936	0.000188	47.9
13:16:08.038	20	0.00019	0	0.00016	1.507	0.000147	47.4
13:16:09.038	20	0.00013	0.00002	0.00027	1.14	0.000111	47
13:16:10.038	20	0.0001	0.00003	0.00049	0.814	0.000079	46.2
13:16:11.038	20	0.00008	0.00003	0.00054	0.677	0.000066	45.5
13:16:12.038	20	0.00008	0.00002	0.00149	0.729	0.000071	44.6
13:16:13.038	20	0.00008	0.00001	0.00316	1.13	0.000111	43.8
13:16:14.038	20	0.00009	0.00001	0.00375	1.981	0.000194	44
13:16:15.038	20	0.00015	0.00001	0.00297	2.664	0.00026	44.2
13:16:16.038	20	0.00018	0.00001	0.00176	2.816	0.000274	43.8
13:16:17.038	20	0.0002	0.00003	0.00085	2.905	0.000283	43.4
13:16:18.038	20	0.00021	0.00005	0.00099	2.7	0.000263	44.3
13:16:19.038	20	0.00019	0.00006	0.00131	2.348	0.000229	45.1
13:16:20.038	20	0.00018	0.00004	0.0013	2.186	0.000213	44.1
13:16:21.038	20	0.00017	0.00003	0.00099	1.987	0.000194	43.2
13:16:22.038	20	0.00016	0.00003	0.00063	1.633	0.000159	44.2
13:16:23.038	20	0.00015	0.00003	0.00058	1.315	0.000128	45.1
13:16:24.038	20	0.00012	0.00003	0.00082	1.055	0.000103	44.3
13:16:25.038	20	0.00011	0.00002	0.00099	0.877	0.000086	43.6
13:16:26.038	20	0.00009	0.00002	0.00084	0.751	0.000073	40.4
13:16:27.038	20	0.00007	0.00002	0.0005	0.58	0.000057	37.7
13:16:28.038	20	0.00006	0.00001	0.00035	0.44	0.000043	33.7
13:16:29.038	20	0.00006	0.00001	0.00061	0.353	0.000035	30.3
13:16:30.038	20	0.00006	0	0.00041	0.291	0.000028	26
13:16:31.038	20	0.00004	0	0.00032	0.183	0.000018	22.3
13:16:32.038	20	0.00005	0	0.00039	0.156	0.000015	18.7
13:16:33.038	20	0.00005	0	0.00061	0.123	0.000012	15.7
13:16:34.038	20	0.00004	0	0.00077	0.083	0.000008	11.9
13:16:35.038	20	0.00003	0	0.00047	0.085	0.000008	8.6
13:16:36.038	20	0.00002	0	0.00086	0.155	0.000015	5.2
13:16:37.038	20	0.00002	0	0.00116	0.298	0.000029	2.3
13:16:38.038	20	0.00003	0	0.00124	0.485	0.000048	1.1
13:16:39.038	20	0.00003	0	0.00122	0.662	0.000065	0
13:16:40.038	20	0.00003	0	0.0012	0.807	0.000079	0
13:16:41.038	20	0.00003	0	0.00075	0.906	0.000088	0
13:16:42.038	20	0.00003	0.00001	0.00059	0.964	0.000094	0

6.10E+00	-5.600	6.600	0.000	6.125	5.000
5.90E+00	-5.600	6.400	0.000	5.945	5.000
5.70E+00	-5.600	6.200	0.000	5.738	5.000
5.70E+00	-5.600	6.200	0.000	5.705	5.000
5.70E+00	-5.600	6.200	0.000	5.662	4.300
5.70E+00	-5.600	6.300	0.000	5.718	2.700
6.00E+00	-5.600	6.700	0.000	6.029	1.800
6.40E+00	-5.600	7.200	0.000	6.440	1.000
7.30E+00	-5.600	8.200	0.000	7.278	2.300
9.90E+00	-5.500	11.200	0.000	9.890	8.000
1.07E+01	-5.500	11.900	0.000	10.694	3.300
9.80E+00	-5.500	10.700	0.000	9.767	0.000
6.80E+00	-5.500	7.400	0.000	6.832	0.400
4.90E+00	-5.500	5.200	0.000	4.867	2.400
3.50E+00	-5.500	3.700	0.000	3.489	3.500
2.60E+00	-5.600	2.700	0.000	2.622	3.600
2.30E+00	-5.600	2.400	0.000	2.303	2.200
2.20E+00	-5.600	2.300	0.000	2.186	1.000
2.30E+00	-5.600	2.500	0.000	2.311	1.000
3.90E+00	-5.600	4.300	0.000	3.940	1.000
5.10E+00	-5.600	5.600	0.000	5.097	1.000
5.60E+00	-5.500	6.200	0.000	5.617	2.400
5.70E+00	-5.500	6.300	0.000	5.747	4.400
5.80E+00	-5.500	6.300	0.000	5.756	5.700
5.80E+00	-5.500	6.300	0.000	5.751	4.400
5.80E+00	-5.500	6.300	0.000	5.765	3.000
5.90E+00	-5.600	6.400	0.000	5.907	3.200
5.90E+00	-5.600	6.300	0.000	5.861	4.000
5.70E+00	-5.600	6.100	0.000	5.705	4.000
5.50E+00	-5.800	5.900	0.000	5.534	4.000
5.30E+00	-5.800	5.600	0.000	5.260	4.000
5.20E+00	-5.900	5.500	0.000	5.184	4.000
5.00E+00	-5.900	5.200	0.000	4.951	3.600
4.40E+00	-5.900	4.600	0.000	4.399	2.700
3.90E+00	-5.900	4.000	0.000	3.862	0.600
3.20E+00	-6.000	3.300	0.000	3.226	0.000
2.80E+00	-6.000	2.900	0.000	2.835	0.000
2.50E+00	-6.000	2.500	0.000	2.451	0.000
2.10E+00	-6.000	2.100	0.000	2.071	0.000
1.80E+00	-6.000	1.800	0.000	1.765	0.000
1.70E+00	-6.000	1.700	0.000	1.661	0.000
1.60E+00	-6.000	1.700	0.000	1.636	0.000
1.60E+00	-6.000	1.700	0.000	1.618	0.000
1.60E+00	-6.000	1.700	0.000	1.601	0.000
1.60E+00	-6.000	1.700	0.000	1.588	0.000
1.70E+00	-6.000	1.800	0.000	1.672	0.700
1.70E+00	-6.000	1.800	0.000	1.667	2.400

1410	42.85	42.4	286.748012	262.005293	64	12	0
1416	42.85	50	288.584977	265.423285	64	12	0
1416	42.85	52.4	287.8	268.841277	64	12	0
1421	42.85	57	284.855693	272.259269	64	12	0
1431	43.24	61.7	283.367523	283.962877	64	12	0
1433	43.47	62.8	285.384216	300.388117	75.578947	12.508306	0
1443	43.481	78.2	284.526344	316.813356	89.429363	13	0
1465	44.234	90.6	288.112376	333.238596	103.279778	13.957933	0
1488	45.472	56.5	295.206913	334.506387	117.130194	15.039084	0
1498	45.95	30.7	281.405098	324.056719	111.876217	19.186837	0
1490	45.33	29.3	280.89777	313.607052	103.640629	21	0
1475	45.105	18.6	282.702116	303.157384	95.405041	20	0
1458	44.71	14.5	283.754726	289.195327	87.169453	19.600233	0
1439	44.19	14.9	279.147995	273.341983	80.795886	17.817073	0
1406	43.375	10.6	278.236207	257.488639	74.730485	17	0
1408	42.85	33.8	269.353375	241.635296	68.665084	14.862903	0
1408	42.299	57.7	273.736751	248.833939	63.302213	12.76	0
1405	42.85	63.6	276.321729	262.648533	67.881201	8.857143	0
1410	42.85	68.1	276.3	276.463126	72.460188	5	0
1417	42.85	59.5	281.513165	290.27772	77.039176	5.527848	0
1420	43.46	46.1	276.104643	291.3	80.460144	7.492857	0
1421	42.85	48.5	275.462888	291.3	76.46121	9.914842	0
1422	42.85	54.1	274.8	291.3	72.462277	11.261131	0
1411	42.85	42.6	282.303769	290.56553	68.463343	12	0
1399	42.703	33.9	274.681319	281.924708	65.472286	12	0
1387	42.23	35.4	274.338084	273.283886	64.09803	12	0
1376	41.955	32.1	274.565904	264.643064	62.723775	12	0
1349	41.215	20	268.413387	256.002242	61.349519	12.375788	0
1315	39.938	1	271.579356	245.964427	59.905081	12.400238	0
1224	37.4	0	274.127796	235.583887	54.631831	12.720652	0
1097	34.425	0	273.459615	225.203348	49.358581	13	0
946	30.543	0	263.443038	214.822808	44.085331	12	0
1002	26.162	0	259.778363	207.658252	38.812081	12	0
976	21.916	0	272.1	202.217778	33.372835	12	0
1154	18.094	0	272.1	196.777305	27.903373	11.474676	0
969	15.026	1.4	271.558657	191.336831	22.433911	10.288439	0
804	11.357	27.9	234.570175	188.596948	16.964448	10	0
805	8.067	40.6	271.260274	193.623878	23.667546	8.900552	0
749	4.586	45.5	270.8	198.650808	44.775726	7.596288	0
755	1.752	47.9	270.556726	203.677738	65.883905	6.242991	0
745	0	50.7	248.262297	208.214258	86.992084	4.921647	0
753	0	51.2	270.433114	211.875145	92.746129	4	0
758	0	42.4	270.1	215.536031	90.869076	3.516091	0
752	0	45.9	270.1	219.196917	88.992023	3	0
748	0	46.6	247.593364	222.299038	87.114969	2.115144	0
747	0	47.2	269.3558	223.260577	84.103736	2.044088	0
748	0	47.5	268.968065	224.222115	79.433137	3	0

0.16482	0.01981	3.30834	6171.4
0.16503	0.01986	3.31006	6173.303
0.16524	0.01991	3.31176	6175.405
0.16545	0.01997	3.31369	6177.794
0.16567	0.02002	3.31585	6180.474
0.1659	0.02005	3.31796	6183.424
0.16616	0.02007	3.32004	6186.865
0.16658	0.02009	3.3235	6192.425
0.16704	0.02013	3.32747	6198.903
0.16741	0.02022	3.32829	6202.602
0.16773	0.02025	3.3284	6205.18
0.16801	0.02025	3.32851	6207.116
0.1682	0.02025	3.32867	6208.623
0.16833	0.02027	3.32894	6209.763
0.16843	0.0203	3.32943	6210.577
0.16851	0.02033	3.32997	6211.254
0.16859	0.02035	3.33146	6211.983
0.16867	0.02036	3.33462	6213.113
0.16876	0.02037	3.33837	6215.094
0.16891	0.02038	3.34134	6217.758
0.16909	0.02039	3.3431	6220.574
0.16929	0.02042	3.34395	6223.479
0.1695	0.02047	3.34494	6226.179
0.16969	0.02053	3.34625	6228.527
0.16987	0.02057	3.34755	6230.713
0.17004	0.0206	3.34854	6232.7
0.1702	0.02063	3.34917	6234.333
0.17035	0.02066	3.34975	6235.648
0.17047	0.02069	3.35057	6236.703
0.17058	0.02071	3.35156	6237.58
0.17067	0.02073	3.3524	6238.331
0.17074	0.02075	3.3529	6238.911
0.1708	0.02076	3.35325	6239.351
0.17086	0.02077	3.35386	6239.704
0.17092	0.02077	3.35427	6239.995
0.17096	0.02077	3.35459	6240.178
0.17101	0.02077	3.35498	6240.334
0.17106	0.02077	3.35559	6240.457
0.1711	0.02077	3.35636	6240.54
0.17113	0.02077	3.35683	6240.625
0.17115	0.02077	3.35769	6240.78
0.17117	0.02077	3.35885	6241.078
0.1712	0.02077	3.36009	6241.563
0.17123	0.02077	3.36131	6242.225
0.17126	0.02077	3.36251	6243.032
0.17129	0.02077	3.36326	6243.938
0.17132	0.02078	3.36385	6244.902

13:16:43.038	20	0.00003	0.00001	0.00044	0.921	0.00009	0
13:16:44.038	20	0.00003	0.00001	0.00092	0.917	0.00009	0
13:16:45.038	20	0.0001	0.00002	0.00404	3.101	0.000303	0
13:16:46.038	20	0.00019	0.00008	0.00727	7.301	0.000712	0
13:16:47.038	20	0.00067	0.00007	0.01167	12.626	0.001229	0
13:16:48.038	20	0.00131	0	0.00684	15.2	0.001478	3.1
13:16:49.038	20	0.00107	0	0.00434	9.931	0.000966	5.8
13:16:50.038	20	0.00112	0	0.00616	11.027	0.001072	15
13:16:51.038	20	0.00112	0	0.00659	13.483	0.001309	22.8
13:16:52.038	20	0.00087	0	0.00335	12.731	0.001236	26.8
13:16:53.038	20	0.00053	0	0.00283	10.237	0.000995	30.2
13:16:54.038	20	0.00038	0	0.00266	7.884	0.000766	33.5
13:16:55.038	20	0.00025	0	0.00246	6.108	0.000594	36.4
13:16:56.038	20	0.00016	0	0.00253	5.386	0.000524	38.5
13:16:57.038	20	0.00013	0	0.00274	5.682	0.000553	40.2
13:16:58.038	20	0.00013	0	0.00331	7.374	0.000717	40.3
13:16:59.038	20	0.00013	0	0.00356	8.306	0.000807	40.4
13:17:00.038	20	0.00011	0	0.00246	6.966	0.000677	42.2
13:17:01.038	20	0.00009	0	0.00129	5.238	0.000509	43.7
13:17:02.038	20	0.00007	0	0.00161	4.561	0.000444	44.1
13:17:03.038	20	0.00007	0	0.0022	4.191	0.000408	44.4
13:17:04.038	20	0.00006	0.00002	0.00194	3.816	0.000371	44.6
13:17:05.038	20	0.00005	0.00006	0.00153	3.328	0.000324	44.8
13:17:06.038	20	0.00004	0.0001	0.00125	2.902	0.000283	45.4
13:17:07.038	20	0.00004	0.00008	0.00097	2.372	0.000231	45.9
13:17:08.038	20	0.00004	0.00004	0.00091	1.992	0.000194	45.1
13:17:09.038	20	0.00003	0.00002	0.00089	1.775	0.000173	44.5
13:17:10.038	20	0.00004	0.00002	0.00065	1.672	0.000163	44.8
13:17:11.038	20	0.00004	0.00001	0.00002	1.269	0.000124	45.1
13:17:12.038	20	0.00004	0	0.00015	0.808	0.000079	43.9
13:17:13.038	20	0.00003	0	0.00075	0.591	0.000058	42.8
13:17:14.038	20	0.00003	0	0.00167	0.658	0.000064	42.7
13:17:15.038	20	0.00003	0	0.00249	1.07	0.000105	42.6
13:17:16.038	20	0.00004	0	0.00315	1.859	0.000182	43.2
13:17:17.038	20	0.00006	0	0.00292	2.962	0.000289	43.8
13:17:18.038	20	0.00006	0.00001	0.0035	3.638	0.000355	44
13:17:19.038	20	0.00008	0	0.00251	3.694	0.000359	44.2
13:17:20.038	20	0.0001	0	0.00168	3.406	0.000331	44.5
13:17:21.038	20	0.00011	0	0.00126	3.074	0.000299	44.7
13:17:22.038	20	0.00011	0.00001	0.0009	2.643	0.000257	44.8
13:17:23.038	20	0.00011	0.00003	0.00056	2.323	0.000226	44.9
13:17:24.038	20	0.0001	0.00003	0.00108	2.07	0.000202	45.3
13:17:25.038	20	0.00009	0.00003	0.00115	1.856	0.000181	45.7
13:17:26.038	20	0.00009	0.00003	0.00113	1.727	0.000168	45.4
13:17:27.038	20	0.00009	0.00003	0.00103	1.604	0.000156	45.1
13:17:28.038	20	0.00009	0.00003	0.00079	1.491	0.000145	44.3
13:17:29.038	20	0.0001	0.00002	0.00053	1.502	0.000147	43.6

1.70E+00	-6.000	1.800	0.000	1.672	3.000	720	0	33.1	269.112719	225.183654	74.762537	3	0
1.70E+00	-6.000	1.800	0.000	1.685	2.300	839	0	46.6	247.543721	232.151442	70.091937	3.763014	0
1.80E+00	-6.000	1.900	0.000	1.754	1.400	1177	0.884	70.7	268.127233	272.889467	79.509314	4.984524	0
2.00E+00	-6.000	2.200	0.000	1.977	2.800	1864	5.878	91.8	268.8	313.627493	116.519118	6	0
4.70E+00	-6.000	5.300	0.000	4.726	1.600	2031	10.762	73.9	268.8	354.365518	153.528922	8.388316	0
8.00E+00	-5.700	9.000	0.000	8.017	0.100	2422	16.435	65.3	323.849629	393.850988	190.538725	12.358302	0
1.00E+01	-4.000	11.200	0.000	9.989	0.000	2156	21.508	66.7	269.5	413.35926	218.593103	14.777512	0
1.00E+01	-2.700	11.200	0.000	9.973	0.000	1801	25.197	91.3	269.588498	432.867532	220.891954	15	0
9.00E+00	-2.600	10.200	0.000	8.980	0.000	2005	28.701	89.2	270.972695	452.375804	223.190805	15	0
7.10E+00	-2.600	8.000	0.000	7.078	0.000	1952	31.707	78.7	319.351617	471.884076	225.489655	15.24875	0
5.10E+00	-2.700	5.800	0.000	5.110	0.000	1898	34.247	67.1	307.66816	471.561746	227.788506	16	0
4.60E+00	-2.700	5.100	0.000	4.563	-1.000	1995	36.34	80.7	274.673546	463.021077	206.505022	16	0
3.80E+00	-3.000	4.200	0.000	3.796	-0.800	1791	37.258	62.5	276.210943	454.480407	182.832138	16	0
2.60E+00	-4.000	2.900	0.000	2.632	0.000	1632	38.681	77.9	297.716995	445.939737	159.159254	15	0
2.10E+00	-4.700	2.300	0.000	2.082	0.000	1670	39.43	81	323.971478	443.034068	135.48637	15	0
1.70E+00	-5.100	1.900	0.000	1.699	0.000	1711	40.518	87.7	280.445484	445.185999	127.009868	15	0
1.60E+00	-5.300	1.800	0.000	1.596	0.000	1757	41.463	82.1	282.07168	447.337931	124.26864	15	0
1.50E+00	-5.300	1.700	0.000	1.519	0.000	1792	42.417	69.4	303.899355	449.489863	121.527412	15	0
1.50E+00	-5.400	1.700	0.000	1.524	0.000	1814	42.85	64.2	300.867395	442.043331	117.966514	14	0
1.40E+00	-5.500	1.500	0.000	1.362	0.000	1827	43.47	72.9	287.769934	429.869198	104.716695	14	0
1.40E+00	-5.600	1.500	0.000	1.354	0.200	1839	43.47	62.8	289.41805	417.695065	91.466875	14	0
1.30E+00	-5.700	1.400	0.000	1.262	1.800	1802	43.47	57.4	316.320443	405.520931	78.217056	13	0
1.20E+00	-5.900	1.300	0.000	1.181	5.200	1512	43.47	47.2	308.449941	390.604198	64.967237	13	0
1.20E+00	-5.900	1.300	0.000	1.179	9.000	1437	44.065	44.5	292.575556	374.6156	63.041365	13	0
1.20E+00	-5.900	1.300	0.000	1.187	8.600	1438	43.47	38.3	293.520141	358.627002	62.007239	13	0
1.20E+00	-6.000	1.300	0.000	1.194	4.600	1428	43.47	25.3	307.658592	342.638404	60.973113	13	0
1.20E+00	-6.000	1.300	0.000	1.201	2.600	1409	42.918	9.4	298.213111	325.675537	60.028502	12.347722	0
1.10E+00	-6.000	1.200	0.000	1.120	2.000	1392	42.287	6.7	295.394505	308.554069	60.511594	12	0
1.10E+00	-6.000	1.200	0.000	1.135	0.600	1379	42.181	12.4	296.116913	291.432601	60.994686	12	0
1.10E+00	-6.000	1.200	0.000	1.148	0.000	1367	41.61	23.5	291.506747	274.311133	61.477778	10.842105	0
1.10E+00	-6.000	1.100	0.000	1.059	0.000	1363	41.61	44.9	293.212808	273.736532	61.96087	9.519435	0
1.10E+00	-6.000	1.100	0.000	1.057	0.000	1361	41.61	48.8	298.2	279.628788	68.342618	7.371845	0
1.00E+00	-6.000	1.100	0.000	1.044	0.000	1362	41.61	48.3	299.245069	285.521044	75.244269	4.781106	0
1.00E+00	-6.000	1.100	0.000	1.027	0.000	1373	41.61	64.6	298.955591	291.4133	82.145921	4	0
1.30E+00	-6.000	1.400	0.000	1.281	0.200	1379	41.994	79	299.393792	299.988675	89.047572	4	0
1.40E+00	-6.000	1.500	0.000	1.353	1.000	1395	42.23	68.7	302.597259	310.663675	88.922769	4.55266	0
1.90E+00	-6.000	2.100	0.000	1.855	0.000	1412	42.85	67.6	303.2	321.338675	87.673082	6.533246	0
2.80E+00	-6.000	3.100	0.000	2.750	0.000	1416	42.85	51.7	307.268118	332.013675	86.423394	7.949133	0
3.00E+00	-6.000	3.400	0.000	3.048	0.000	1418	42.85	48.1	312.009459	332.450842	85.173707	9.338275	0
3.20E+00	-6.000	3.600	0.000	3.246	0.600	1418	42.85	48.2	305.3	324.876584	81.463639	10	0
3.30E+00	-6.000	3.600	0.000	3.294	3.000	1417	42.85	48.1	305.3	317.302327	77.356366	10	0
3.10E+00	-6.000	3.400	0.000	3.124	3.000	1415	42.85	39.7	305.385679	309.728069	73.249094	10	0
3.10E+00	-6.000	3.400	0.000	3.134	3.200	1406	42.85	32.6	305.526557	302.47381	69.141822	10	0
3.10E+00	-6.000	3.400	0.000	3.144	4.000	1398	42.469	30.8	305.3	295.513753	67.480576	10	0
3.10E+00	-6.000	3.400	0.000	3.150	4.000	1391	42.23	35.1	304.804235	288.553695	66.761151	10	0
3.20E+00	-6.000	3.400	0.000	3.173	3.800	1387	42.23	42.2	304.6	281.593638	66.041727	10	0
3.20E+00	-5.900	3.400	0.000	3.180	2.600	1390	42.23	49.6	293.938379	279.641418	65.322302	9	0

0.17135	0.02079	3.36429	6245.823
0.17138	0.0208	3.36521	6246.74
0.17148	0.02082	3.36925	6249.841
0.17167	0.0209	3.37652	6257.142
0.17234	0.02097	3.38819	6269.768
0.17365	0.02097	3.39503	6284.968
0.17472	0.02097	3.39937	6294.899
0.17584	0.02097	3.40553	6305.926
0.17696	0.02097	3.41212	6319.409
0.17783	0.02097	3.41547	6332.14
0.17836	0.02097	3.4183	6342.377
0.17874	0.02097	3.42096	6350.261
0.17899	0.02097	3.42342	6356.369
0.17915	0.02097	3.42595	6361.755
0.17928	0.02097	3.42869	6367.437
0.17941	0.02097	3.432	6374.811
0.17954	0.02097	3.43556	6383.117
0.17965	0.02097	3.43802	6390.083
0.17974	0.02097	3.43931	6395.321
0.17981	0.02097	3.44092	6399.882
0.17988	0.02097	3.44312	6404.073
0.17994	0.02099	3.44506	6407.889
0.17999	0.02105	3.44659	6411.217
0.18003	0.02115	3.44784	6414.119
0.18007	0.02123	3.44881	6416.491
0.18011	0.02127	3.44972	6418.483
0.18014	0.02129	3.45061	6420.258
0.18018	0.02131	3.45126	6421.93
0.18022	0.02132	3.45128	6423.199
0.18026	0.02132	3.45143	6424.007
0.18029	0.02132	3.45218	6424.598
0.18032	0.02132	3.45385	6425.256
0.18035	0.02132	3.45634	6426.326
0.18039	0.02132	3.45949	6428.185
0.18045	0.02132	3.46241	6431.147
0.18051	0.02133	3.46591	6434.785
0.18059	0.02133	3.46842	6438.479
0.18069	0.02133	3.4701	6441.885
0.1808	0.02133	3.47136	6444.959
0.18091	0.02134	3.47226	6447.602
0.18102	0.02137	3.47282	6449.925
0.18112	0.0214	3.4739	6451.995
0.18121	0.02143	3.47505	6453.851
0.1813	0.02146	3.47618	6455.578
0.18139	0.02149	3.47721	6457.182
0.18148	0.02152	3.478	6458.673
0.18158	0.02154	3.47853	6460.175

13:17:30.038	20	0.00011	0.00002	0.00112	1.808	0.000176	44
13:17:31.038	20	0.00012	0.00003	0.00174	2.157	0.00021	44.4
13:17:32.038	20	0.00013	0.00003	0.00225	2.515	0.000245	44.4
13:17:33.038	20	0.00014	0.00002	0.00226	2.833	0.000276	44.4
13:17:34.038	20	0.00016	0.00001	0.00161	2.699	0.000263	44.7
13:17:35.038	20	0.00015	0.00001	0.0012	2.317	0.000226	44.9
13:17:36.038	20	0.00014	0.00002	0.00048	1.804	0.000176	44.3
13:17:37.038	20	0.00012	0.00002	0.00019	1.193	0.000116	43.7
13:17:38.038	20	0.00022	0.00004	0.00002	1.539	0.00015	43.5
13:17:39.038	20	0.00025	0.00001	0	0.849	0.000083	43.3
13:17:40.038	20	0.00019	0	0.00077	0.411	0.00004	42.3
13:17:41.038	20	0.00014	0	0.00132	0.224	0.000024	41.5
13:17:42.038	20	0.00011	0	0.00158	0.152	0.000023	40.4
13:17:43.038	20	0.00009	0	0.00179	0.12	0.000022	39.4
13:17:44.038	20	0.00007	0	0.00179	0.111	0.000021	38.3
13:17:45.038	20	0.00006	0	0.00168	0.088	0.000019	37.4
13:17:46.038	20	0.00005	0	0.00172	0.081	0.000017	35.5
13:17:47.038	20	0.00004	0	0.00173	0.077	0.000017	33.8
13:17:48.038	20	0.00005	0	0.0021	0.09	0.000021	31.9
13:17:49.038	20	0.00004	0	0.00149	0.088	0.000021	30.3
13:17:50.038	20	0.00004	0	0.00101	0.075	0.000018	28.8
13:17:51.038	20	0.00003	0	0.0008	0.06	0.000014	27.6
13:17:52.038	20	0.00002	0	0.00093	0.054	0.000013	27.6
13:17:53.038	20	0.00002	0	0.00219	0.402	0.00004	27.6
13:17:54.038	20	0.00003	0	0.00559	1.624	0.000159	27
13:17:55.038	20	0.00004	0	0.00683	3.61	0.000353	26.5
13:17:56.038	20	0.00019	0	0.0074	6.745	0.000656	28.6
13:17:57.038	20	0.00036	0.00003	0.00551	8.216	0.000798	30.4
13:17:58.038	20	0.00043	0.00004	0.00289	7.245	0.000703	31.8
13:17:59.038	20	0.00032	0.00001	0.00226	4.867	0.000473	33.1
13:18:00.038	20	0.00019	0	0.00105	3.08	0.000299	35
13:18:01.038	20	0.00013	0	0.00045	2.578	0.000251	36.7
13:18:02.038	20	0.00006	0	0.00053	1.739	0.000169	36.7
13:18:03.038	20	0.00002	0.00001	0.00078	1.351	0.000132	36.7
13:18:04.038	20	0.00001	0.00003	0.00049	1.028	0.0001	36.4
13:18:05.038	20	0.00001	0.00003	0.00011	0.723	0.000071	36.1
13:18:06.038	20	0	0.00002	0.00017	0.466	0.000046	33.9
13:18:07.038	20	0	0.00001	0.00017	0.264	0.000026	32
13:18:08.038	20	0	0	0.00024	0.172	0.000017	28.2
13:18:09.038	20	0	0	0.00037	0.129	0.000013	25
13:18:10.038	20	0	0	0.00036	0.082	0.000008	21
13:18:11.038	20	0	0	0.00063	0.071	0.000007	17.6
13:18:12.038	20	0	0	0.00092	0.073	0.000008	15.1
13:18:13.038	20	0	0	0.00077	0.056	0.000007	13
13:18:14.038	20	0	0	0.00068	0.064	0.000007	10.1
13:18:15.038	20	0	0	0.00084	0.13	0.000013	7.6
13:18:16.038	20	0	0	0.00128	0.298	0.000029	5.7

3.20E+00	-5.900	3.400	0.000	3.176	2.000	1397	42.23	57.3	303.9	287.410294	65.937182	8.801961	0
3.20E+00	-5.900	3.400	0.000	3.157	2.400	1397	42.23	68.5	303.9	295.17917	67.634975	7.72997	0
3.30E+00	-5.900	3.600	0.000	3.298	3.000	1404	42.78	62.2	303.31594	302.948046	69.332767	7.635	0
3.90E+00	-5.900	4.300	0.000	3.876	1.600	1409	42.85	46.2	305.450408	306.031419	71.03056	8	0
4.70E+00	-5.900	5.200	0.000	4.682	1.000	1402	42.85	29.1	302.302764	292.598924	70.139041	9.049	0
4.90E+00	-5.900	5.400	0.000	4.909	1.300	1392	42.667	13.4	301.425833	279.16643	65.801142	10.058333	0
5.10E+00	-5.900	5.500	0.000	5.056	2.700	1370	41.932	5.6	300.9	265.733936	61.463242	11	0
5.10E+00	-5.900	5.400	0.000	5.055	3.000	1350	41.182	2.1	284.430996	252.301442	57.125342	11	0
4.80E+00	-5.900	5.000	0.000	4.764	2.700	1328	40.99	0	296.134947	239.920972	52.540293	11	0
4.50E+00	-6.000	4.600	0.000	4.478	0.800	1303	39.877	0	299.00633	227.724699	43.158528	10.308	0
3.40E+00	-6.000	3.500	0.000	3.377	0.000	1279	39.012	0	298.721893	215.528427	33.776762	8.142282	0
2.50E+00	-6.100	2.500	0.000	2.497	0.000	1252	38.263	0	281.833313	203.332154	24.394996	3.753391	0
2.10E+00	-6.100	2.100	0.000	2.090	0.000	1227	37.473	0	277.455792	194.96962	15.013231	1.618734	0
1.70E+00	-6.200	1.700	0.000	1.699	0.000	1202	36.762	0	296.26645	189.037627	11.73028	0.416484	0
1.50E+00	-6.200	1.500	0.000	1.488	0.000	1134	34.827	0	294.809091	183.105634	9.185751	0	0
1.40E+00	-6.200	1.400	0.000	1.384	0.000	1028	32.741	0	280.127831	177.173641	6.641221	0	0
1.20E+00	-6.200	1.200	0.000	1.192	0.000	976	31.409	0	271.761654	173.201705	4.096692	0	0
1.10E+00	-6.200	1.100	0.000	1.087	0.000	907	29.395	0	291.512875	170.63173	3.297639	0	0
1.10E+00	-6.200	1.100	0.000	1.087	0.000	1169	27.905	0	290.583451	168.061756	2.567535	0	0
9.00E-01	-6.200	0.900	0.000	0.897	0.000	1119	27.05	0	265.269483	165.491781	1.83743	0	0
9.00E-01	-6.200	0.900	0.000	0.890	0.000	1064	26.294	0	262.900946	170.663228	1.107325	0	0
8.00E-01	-6.200	0.800	0.000	0.791	0.000	1118	25.612	40.2	285.778778	179.948416	19.692947	0	0
7.00E-01	-6.200	0.700	0.000	0.699	0.000	1108	25.546	51.4	284.365258	189.233604	41.607305	0	0
7.00E-01	-6.200	0.700	0.000	0.678	0.000	1118	26.08	58	271.427715	198.518791	63.521662	0	0
7.00E-01	-6.200	0.700	0.000	0.663	0.000	1155	26.474	90.9	264.920041	226.648806	85.43602	0	0
8.00E-01	-6.200	0.900	0.000	0.808	0.000	1192	27.702	99.3	279.478595	268.31342	139.253131	0	0
2.70E+00	-6.100	3.000	0.000	2.662	0.000	1252	29.146	99.5	277.715023	309.978035	197.297447	6.500583	0
4.80E+00	-6.000	5.500	0.000	4.825	1.300	1330	30.939	95.4	285.775475	351.64265	255.341763	15.025316	0
6.60E+00	-6.000	7.500	0.000	6.612	1.800	1404	32.909	84.6	299.769976	365.759474	313.386079	17.256709	0
6.90E+00	-5.900	7.800	0.000	6.879	0.800	1440	33.923	58.5	270.595032	354.549253	286.379859	17.607568	0
5.70E+00	-5.900	6.400	0.000	5.693	0.000	1450	34.16	47.4	268.433566	343.339031	228.075972	17.518343	0
3.90E+00	-5.900	4.300	0.000	3.892	-0.700	1448	34.16	42.3	267.366546	332.128809	169.772085	17.285542	0
2.20E+00	-5.900	2.500	0.000	2.247	-0.300	1423	33.902	9.6	285.265	317.13836	111.468198	16.809524	0
9.00E-01	-6.000	0.900	0.000	0.869	1.800	1401	33.108	0.1	264.486075	295.793479	84.893109	15	0
6.00E-01	-6.000	0.600	0.000	0.558	5.400	1367	32.392	0	264	274.448599	67.849038	15	0
4.00E-01	-6.100	0.400	0.000	0.384	6.000	1285	30.703	0	261.078723	253.103719	50.804967	14.082058	0
1.00E-01	-6.100	0.100	0.000	0.104	4.600	1173	28.154	0	255.110083	237.297169	33.760896	13.819477	0
0.00E+00	-6.100	0.000	0.000	0.000	1.900	1025	25.136	0	260.87403	228.342288	25.266972	13	0
0.00E+00	-6.100	0.000	0.000	0.000	0.000	999	21.742	0	260.115083	219.387408	21.138532	12.285207	0
0.00E+00	-6.100	-0.200	0.000	0.000	0.000	1179	18.108	0	259.299194	210.432528	17.010092	10.472286	0
0.00E+00	-6.100	-0.200	0.000	0.000	0.000	991	15.53	0	231.458228	202.566129	12.881651	10	0
0.00E+00	-6.100	-0.200	0.000	0.000	0.000	844	12.049	10.3	257.723687	204.179032	15.411931	9.061916	0
0.00E+00	-6.100	-0.200	0.000	0.000	0.000	846	9.51	38.4	257.027857	205.791935	33.332233	8.061447	0
0.00E+00	-6.100	-0.200	0.000	0.000	0.000	801	6.784	35.7	256.282759	207.404839	51.252535	5.881176	0
0.00E+00	-6.100	-0.200	0.000	0.000	0.000	745	4.518	44.2	243.394493	209.017742	69.172837	4.682278	0
0.00E+00	-6.100	-0.200	0.000	0.000	0.000	748	2.63	49.4	250.377616	212.378287	86.045853	3.392622	0
0.00E+00	-6.200	-0.200	0.000	0.000	0.000	750	1.373	48.2	253.706268	216.281678	86.797544	2.312439	0

0.18169	0.02156	3.47965	6461.983
0.18181	0.02159	3.48139	6464.14
0.18194	0.02162	3.48364	6466.655
0.18208	0.02164	3.4859	6469.488
0.18224	0.02165	3.48751	6472.187
0.18239	0.02166	3.48871	6474.504
0.18253	0.02168	3.48919	6476.308
0.18265	0.0217	3.48938	6477.501
0.18287	0.02174	3.4894	6479.04
0.18312	0.02175	3.4894	6479.889
0.18331	0.02175	3.49017	6480.3
0.18345	0.02175	3.49149	6480.524
0.18356	0.02175	3.49307	6480.676
0.18365	0.02175	3.49486	6480.796
0.18372	0.02175	3.49665	6480.907
0.18378	0.02175	3.49833	6480.995
0.18383	0.02175	3.50005	6481.076
0.18387	0.02175	3.50178	6481.153
0.18392	0.02175	3.50388	6481.243
0.18396	0.02175	3.50537	6481.331
0.184	0.02175	3.50638	6481.406
0.18403	0.02175	3.50718	6481.466
0.18405	0.02175	3.50811	6481.52
0.18407	0.02175	3.5103	6481.922
0.1841	0.02175	3.51589	6483.546
0.18414	0.02175	3.52272	6487.156
0.18433	0.02175	3.53012	6493.901
0.18469	0.02178	3.53563	6502.117
0.18512	0.02182	3.53852	6509.362
0.18544	0.02183	3.54078	6514.229
0.18563	0.02183	3.54183	6517.309
0.18576	0.02183	3.54228	6519.887
0.18582	0.02183	3.54281	6521.626
0.18584	0.02184	3.54359	6522.977
0.18585	0.02187	3.54408	6524.005
0.18586	0.0219	3.54419	6524.728
0.18586	0.02192	3.54436	6525.194
0.18586	0.02193	3.54453	6525.458
0.18586	0.02193	3.54477	6525.63
0.18586	0.02193	3.54514	6525.759
0.18586	0.02193	3.5455	6525.841
0.18586	0.02193	3.54613	6525.912
0.18586	0.02193	3.54705	6525.985
0.18586	0.02193	3.54782	6526.041
0.18586	0.02193	3.5485	6526.105
0.18586	0.02193	3.54934	6526.235
0.18586	0.02193	3.55062	6526.533

13:18:17.038	20	0	0	0.00134	0.462	0.000045	4
13:18:18.038	20	0	0	0.00114	0.624	0.000061	1.8
13:18:19.038	20	0	0	0.00142	0.998	0.000098	0
13:18:20.038	20	0	0	0.00344	2.778	0.000271	0
13:18:21.038	20	0	0.00002	0.0047	4.428	0.000432	0
13:18:22.038	20	0	0.00001	0.00702	7.579	0.000738	1.9
13:18:23.038	20	0.00001	0	0.00449	9.399	0.000914	3.5
13:18:24.038	20	0.00006	0	0.00358	8.481	0.000825	9.5
13:18:25.038	20	0.00006	0	0.00229	5.857	0.00057	14.7
13:18:26.038	20	0.00007	0	0.00276	5.63	0.000548	17.7
13:18:27.038	20	0.0001	0	0.00448	8.114	0.000789	20.3
13:18:28.038	20	0.00013	0.00006	0.00514	10.512	0.001021	22.6
13:18:29.038	20	0.00011	0.00011	0.00126	6.834	0.000664	24.6
13:18:30.038	20	0.00016	0.00001	0.00319	7.567	0.000736	27.5
13:18:31.038	20	0.00017	0	0.00589	9.664	0.000939	30
13:18:32.038	20	0.00018	0	0.00507	10.531	0.001023	32.8
13:18:33.038	20	0.00011	0	0.00138	5.81	0.000565	35.2
13:18:34.038	20	0.00011	0	0.0009	4.725	0.00046	36.9
13:18:35.038	20	0.00011	0	0.0031	5.557	0.000541	38.4
13:18:36.038	20	0.00012	0	0.00596	8.232	0.0008	39.6
13:18:37.038	20	0.00012	0	0.00388	8.918	0.000866	40.6
13:18:38.038	20	0.00008	0	0.00215	6.137	0.000596	42.1
13:18:39.038	20	0.00007	0	0.00215	4.961	0.000482	43.4
13:18:40.038	20	0.00006	0	0.0015	4.597	0.000447	43.3
13:18:41.038	20	0.00006	0	0.00195	4.484	0.000436	43.3
13:18:42.038	20	0.00005	0	0.00195	4.337	0.000422	43.9
13:18:43.038	20	0.00004	0.00003	0.002	3.982	0.000388	44.4
13:18:44.038	20	0.00004	0.00005	0.00195	3.621	0.000353	44.4
13:18:45.038	20	0.00003	0.00006	0.00186	3.446	0.000335	44.4
13:18:46.038	20	0.00003	0.00005	0.00194	3.751	0.000365	45
13:18:47.038	20	0.00003	0.00002	0.00185	4.138	0.000403	45.5
13:18:48.038	20	0.00003	0.00001	0.00246	4.273	0.000416	45.5
13:18:49.038	20	0.00003	0	0.00217	4.153	0.000404	45.5
13:18:50.038	20	0.00003	0	0.00182	3.777	0.000367	45.2
13:18:51.038	20	0.00002	0	0.00176	3.543	0.000345	44.9
13:18:52.038	20	0.00002	0	0.00176	3.41	0.000332	45.2
13:18:53.038	20	0.00002	0.00001	0.00174	3.267	0.000318	45.5
13:18:54.038	20	0.00002	0.00001	0.00177	2.986	0.000291	45.4
13:18:55.038	20	0.00002	0.00001	0.00159	2.691	0.000262	45.3
13:18:56.038	20	0.00004	0.00003	0.00061	3.565	0.000347	44
13:18:57.038	20	0.00004	0.00001	0	1.622	0.000158	42.9
13:18:58.038	20	0.00002	0	0	0.439	0.000043	41.7
13:18:59.038	20	0.00001	0	0.0005	0.208	0.00002	40.6
13:19:00.038	20	0.00002	0	0.00308	0.57	0.000056	40.3
13:19:01.038	20	0.00003	0	0.00722	2.285	0.000224	40
13:19:02.038	20	0.00005	0	0.01135	6.494	0.000633	40.9
13:19:03.038	20	0.00012	0	0.00826	7.733	0.000752	41.7

0.00E+00	-6.200	-0.200	0.000	0.000	0.000	751	1.08	48.4	254.149648	220.18507	87.549236	1.987059	0
0.00E+00	-6.200	-0.100	0.000	0.000	0.000	758	0.62	47.7	247.572531	224.088461	88.300927	1	0
0.00E+00	-6.100	0.000	0.000	0.000	0.000	755	0.62	47	249.647304	242.23986	89.115894	1	0
0.00E+00	-6.100	0.000	0.000	0.000	0.200	1374	1.288	92.1	251.623282	267.601096	90.771523	1	0
0.00E+00	-6.100	0.000	0.000	0.000	1.000	1650	5.572	83.1	251.6	292.962332	92.427152	1	0
0.00E+00	-6.100	0.000	0.000	0.000	0.400	1813	9.417	85.2	266.224968	318.323568	94.082781	1.173267	0
1.00E-01	-6.100	0.100	0.000	0.089	0.000	1940	13.165	82.8	267.523577	338.929661	95.738411	3.188544	0
7.00E-01	-6.100	0.800	0.000	0.691	0.000	1981	16.852	71.2	252.755912	356.975294	106.722249	5.493014	0
1.00E+00	-6.100	1.100	0.000	0.981	0.000	1641	19.521	62.4	253.996005	375.020926	119.456511	6.575439	0
1.10E+00	-6.100	1.200	0.000	1.081	0.000	1534	21.732	93.6	254.3	393.066559	132.190774	7	0
1.20E+00	-6.000	1.400	0.000	1.244	0.000	1667	23.538	96.6	313.16497	408.448271	144.925036	6.031439	0
1.40E+00	-6.000	1.600	0.000	1.403	2.000	1838	26.254	78.8	256.85794	417.928241	161.529313	7	0
1.60E+00	-6.000	1.800	0.000	1.602	5.100	1877	28.308	53.2	258.759605	427.408211	179.954774	8.037333	0
1.90E+00	-6.000	2.100	0.000	1.876	0.400	1666	29.81	96.1	259.7675	436.888181	198.380235	9	0
1.80E+00	-6.000	2.000	0.000	1.785	0.000	1799	32.71	89	336.953483	443.094226	216.805695	9	0
1.80E+00	-6.000	2.100	0.000	1.847	0.000	1922	34.793	73.7	264.8127	441.362125	215.814184	9	0
1.90E+00	-5.900	2.100	0.000	1.875	0.000	1809	36.524	62.1	267.445401	439.630023	195.483215	9.163121	0
1.90E+00	-5.900	2.100	0.000	1.896	0.000	1603	37.625	72.5	268.8	437.897921	175.152246	9.652794	0
1.80E+00	-5.900	2.000	0.000	1.806	0.000	1631	38.391	85.3	334.623828	436.16582	154.821277	9	0
1.40E+00	-5.900	1.600	0.000	1.438	0.000	1686	39.905	93.4	272.405167	440.056632	140.32109	8.117333	0
1.40E+00	-5.900	1.600	0.000	1.411	0.000	1743	41.137	82.2	276.088571	444.169555	141.505924	8.990228	0
1.30E+00	-5.900	1.500	0.000	1.331	0.000	1774	41.88	68.6	278.839259	448.282477	142.690758	10	0
1.30E+00	-5.900	1.500	0.000	1.342	0.000	1795	42.652	67.2	334.700375	452.3954	143.875592	9.574813	0
1.30E+00	-6.000	1.400	0.000	1.255	-0.800	1807	42.85	69.8	298.266254	443.074106	144.011372	9	0
1.10E+00	-6.000	1.200	0.000	1.087	0.000	1816	42.85	65.4	285.121018	431.437653	124.626518	9	0
1.10E+00	-6.000	1.200	0.000	1.079	0.000	1820	42.953	59.6	286.833645	419.8012	105.241665	9	0
9.00E-01	-6.100	1.000	0.000	0.909	2.100	1809	43.47	57.2	312.57785	408.164748	85.856811	9	0
8.00E-01	-6.100	0.900	0.000	0.820	3.700	1453	43.47	64	291.31	403.213456	70.042523	9	0
8.00E-01	-6.100	0.900	0.000	0.812	5.000	1431	43.47	68.3	292.152225	400.24777	70.276168	8.116254	0
7.00E-01	-6.100	0.800	0.000	0.720	3.600	1434	43.47	72.5	294.372792	397.282083	70.509813	8	0
7.00E-01	-6.100	0.800	0.000	0.719	1.600	1435	43.47	78.8	317.823333	394.316397	70.743458	8	0
7.00E-01	-6.100	0.800	0.000	0.716	0.500	1441	43.902	74.1	315.154941	391.021674	70.977103	8	0
6.00E-01	-6.100	0.700	0.000	0.632	0.000	1445	44.09	64.7	300.2742	387.579814	71.435854	8	0
6.00E-01	-6.100	0.700	0.000	0.625	0.000	1445	44.09	63.1	301.458409	384.137953	71.919063	8	0
6.00E-01	-6.100	0.700	0.000	0.626	0.000	1446	44.09	58.8	305.430098	380.696093	72.402271	8	0
6.00E-01	-6.100	0.700	0.000	0.628	0.200	1443	44.09	62.5	328.431412	373.591486	72.88548	8	0
6.00E-01	-6.200	0.700	0.000	0.630	1.000	1441	44.09	62.9	305.610353	360.781986	69.506747	8	0
6.00E-01	-6.200	0.700	0.000	0.630	1.000	1430	43.52	38.1	306.71	347.972486	64.928434	8	0
6.00E-01	-6.200	0.700	0.000	0.633	1.000	1406	43.268	0.7	308.658242	335.162986	60.35012	8	0
6.00E-01	-6.200	0.700	0.000	0.643	1.600	1346	41.532	0.2	314.898825	321.989338	55.771807	8.121573	0
7.00E-01	-6.200	0.700	0.000	0.664	0.600	1295	39.728	0	309.374751	308.338848	58.135904	8.707778	0
6.00E-01	-6.300	0.600	0.000	0.579	0.000	1291	39.12	51.9	310.282759	294.688358	64.882892	7.522368	0
5.00E-01	-6.300	0.500	0.000	0.485	0.000	1263	38.535	30.2	311.128605	281.037868	71.62988	5.602549	0
5.00E-01	-6.400	0.500	0.000	0.481	0.000	1286	38.5	68	293.791608	278.990604	78.376867	2.186312	0
5.00E-01	-6.400	0.500	0.000	0.469	0.000	1278	38.711	94.4	312.102932	311.753022	133.244223	0.888043	0
6.00E-01	-6.300	0.700	0.000	0.614	0.000	1315	39.757	94.1	312.913731	344.515439	243.92289	0.469231	0
1.50E+00	-6.300	1.700	0.000	1.473	0.000	1353	40.819	64.6	313.3	377.277857	354.601557	5.318824	0

0.18586	0.02193	3.55196	6526.995
0.18586	0.02193	3.5531	6527.619
0.18586	0.02193	3.55452	6528.617
0.18586	0.02193	3.55796	6531.395
0.18586	0.02195	3.56266	6535.823
0.18586	0.02196	3.56968	6543.402
0.18587	0.02196	3.57417	6552.801
0.18593	0.02196	3.57775	6561.282
0.18599	0.02196	3.58004	6567.139
0.18606	0.02196	3.5828	6572.769
0.18616	0.02196	3.58728	6580.883
0.18629	0.02202	3.59242	6591.395
0.1864	0.02213	3.59368	6598.229
0.18656	0.02214	3.59687	6605.796
0.18673	0.02214	3.60276	6615.46
0.18691	0.02214	3.60783	6625.991
0.18702	0.02214	3.60921	6631.801
0.18713	0.02214	3.61011	6636.526
0.18724	0.02214	3.61321	6642.083
0.18736	0.02214	3.61917	6650.315
0.18748	0.02214	3.62305	6659.233
0.18756	0.02214	3.6252	6665.37
0.18763	0.02214	3.62735	6670.331
0.18769	0.02214	3.62885	6674.928
0.18775	0.02214	3.6308	6679.412
0.1878	0.02214	3.63275	6683.749
0.18784	0.02217	3.63475	6687.731
0.18788	0.02222	3.6367	6691.352
0.18791	0.02228	3.63856	6694.798
0.18794	0.02233	3.6405	6698.549
0.18797	0.02235	3.64235	6702.687
0.188	0.02236	3.64481	6706.96
0.18803	0.02236	3.64698	6711.113
0.18806	0.02236	3.6488	6714.89
0.18808	0.02236	3.65056	6718.433
0.1881	0.02236	3.65232	6721.843
0.18812	0.02237	3.65406	6725.11
0.18814	0.02238	3.65583	6728.096
0.18816	0.02239	3.65742	6730.787
0.1882	0.02242	3.65803	6734.352
0.18824	0.02243	3.65803	6735.974
0.18826	0.02243	3.65803	6736.413
0.18827	0.02243	3.65853	6736.621
0.18829	0.02243	3.66161	6737.191
0.18832	0.02243	3.66883	6739.476
0.18837	0.02243	3.68018	6745.97
0.18849	0.02243	3.68844	6753.703

13:19:04.038	21	0.00013	0	0.00223	4.146	0.000403	42.9
13:19:05.038	21	0.00014	0	0.00185	3.419	0.000333	44
13:19:06.038	21	0.00014	0	0.00293	3.625	0.000353	44
13:19:07.038	21	0.00012	0	0.00266	3.853	0.000375	44
13:19:08.038	20	0.00008	0	0.00174	3.586	0.000349	44.9
13:19:09.038	21	0.00006	0	0.00129	3.248	0.000316	45.6
13:19:10.038	21	0.00005	0	0.00151	2.902	0.000283	45.7
13:19:11.038	21	0.00004	0.00001	0.00123	2.779	0.000271	45.8
13:19:12.038	21	0.00003	0.00001	0.00171	2.461	0.00024	45.5
13:19:13.038	21	0.00003	0.00002	0.00182	2.322	0.000226	45.2
13:19:14.038	21	0.00003	0.00002	0.0016	2.388	0.000233	45.8
13:19:15.038	21	0.00003	0.00002	0.00138	2.25	0.000219	46.3
13:19:16.038	21	0.00003	0.00002	0.00199	2.533	0.000247	45.7
13:19:17.038	21	0.00003	0.00002	0.00185	2.739	0.000267	45.2
13:19:18.038	21	0.00003	0.00001	0.00245	3.292	0.000321	46.4
13:19:19.038	21	0.00004	0	0.003	4.03	0.000393	47.5
13:19:20.038	21	0.00004	0	0.00266	4.571	0.000445	47.9
13:19:21.038	21	0.00004	0	0.00183	4.553	0.000443	48.2
13:19:22.038	21	0.00003	0	0.00157	4.4	0.000428	48.1
13:19:23.038	21	0.00004	0	0.00164	4.558	0.000443	48.1
13:19:24.038	21	0.00004	0	0.00193	4.755	0.000463	48
13:19:25.038	20	0.00004	0	0.00191	5.108	0.000497	48
13:19:26.038	21	0.00004	0	0.00156	4.875	0.000474	48.1
13:19:27.038	21	0.00003	0	0.00141	4.594	0.000447	48.2
13:19:28.038	21	0.00004	0	0.00178	4.759	0.000463	48
13:19:29.038	21	0.00004	0	0.00265	5.748	0.000559	47.9
13:19:30.038	21	0.00004	0	0.00246	5.466	0.000531	48.4
13:19:31.038	21	0.00003	0	0.00165	4.322	0.00042	48.9
13:19:32.038	20	0.00002	0	0.00109	3.454	0.000336	48.9
13:19:33.038	21	0.00003	0	0.00111	3.466	0.000337	48.9
13:19:34.038	21	0.00003	0.00002	0.0018	3.953	0.000385	48.1
13:19:35.038	20	0.00004	0.00001	0.00302	5.343	0.00052	47.5
13:19:36.038	20.9	0.00004	0	0.00369	6.064	0.00059	47.6
13:19:37.038	20	0.00004	0	0.00267	5.614	0.000546	47.6
13:19:38.038	21	0.00004	0	0.00195	4.571	0.000445	47.7
13:19:39.038	21	0.00004	0	0.00224	4.143	0.000403	47.8
13:19:40.038	21	0.00004	0	0.00291	4.874	0.000474	47.5
13:19:41.038	21	0.00005	0	0.00255	5.421	0.000527	47.3
13:19:42.038	21	0.00005	0	0.00289	5.897	0.000573	47.2
13:19:43.038	21	0.00005	0	0.00309	6.302	0.000613	47.2
13:19:44.038	21	0.00005	0	0.00295	6.395	0.000622	47.8
13:19:45.038	21	0.00005	0	0.00261	6.044	0.000588	48.3
13:19:46.038	21	0.00005	0	0.00234	5.305	0.000516	48.2
13:19:47.038	21	0.00004	0	0.00211	4.552	0.000443	48.1
13:19:48.038	20	0.00004	0	0.00173	3.577	0.000348	47.6
13:19:49.038	20	0.00003	0	0.00167	3.109	0.000302	47.1
13:19:50.038	20	0.00003	0	0.00122	3.108	0.000302	46.9

2.90E+00	-6.200	3.200	0.000	2.897	0.000
3.50E+00	-6.100	3.800	0.000	3.452	-1.000
3.30E+00	-6.100	3.600	0.000	3.281	-1.000
2.80E+00	-6.100	3.100	0.000	2.805	-0.400
2.20E+00	-6.100	2.400	0.000	2.152	0.000
1.70E+00	-6.100	1.900	0.000	1.727	0.000
1.50E+00	-6.100	1.700	0.000	1.549	0.000
1.20E+00	-6.200	1.300	0.000	1.195	0.700
9.00E-01	-6.200	1.000	0.000	0.930	1.000
9.00E-01	-6.200	1.000	0.000	0.918	2.000
9.00E-01	-6.200	1.000	0.000	0.921	2.000
8.00E-01	-6.300	0.900	0.000	0.834	1.500
8.00E-01	-6.300	0.900	0.000	0.833	1.700
8.00E-01	-6.300	0.900	0.000	0.830	2.000
7.00E-01	-6.300	0.800	0.000	0.736	1.000
7.00E-01	-6.300	0.800	0.000	0.731	0.300
7.00E-01	-6.300	0.800	0.000	0.723	0.000
7.00E-01	-6.300	0.800	0.000	0.720	0.000
7.00E-01	-6.300	0.800	0.000	0.720	0.000
7.00E-01	-6.200	0.800	0.000	0.720	0.000
7.00E-01	-6.200	0.800	0.000	0.720	0.000
7.00E-01	-6.200	0.800	0.000	0.712	0.000
7.00E-01	-6.200	0.800	0.000	0.717	0.000
7.00E-01	-6.200	0.800	0.000	0.719	0.000
7.00E-01	-6.200	0.800	0.000	0.722	0.000
7.00E-01	-6.200	0.800	0.000	0.718	0.000
6.00E-01	-6.200	0.700	0.000	0.626	0.000
6.00E-01	-6.200	0.700	0.000	0.627	0.000
6.00E-01	-6.200	0.700	0.000	0.626	0.000
6.00E-01	-6.200	0.700	0.000	0.639	0.200
6.00E-01	-6.200	0.700	0.000	0.640	1.000
6.00E-01	-6.200	0.700	0.000	0.629	0.600
6.00E-01	-6.200	0.700	0.000	0.629	0.000
7.00E-01	-6.200	0.800	0.000	0.701	-1.000
8.00E-01	-6.200	0.900	0.000	0.798	-1.000
8.00E-01	-6.200	0.900	0.000	0.813	-0.700
8.00E-01	-6.200	0.900	0.000	0.811	0.000
8.00E-01	-6.200	0.900	0.000	0.810	0.000
8.00E-01	-6.200	0.900	0.000	0.807	0.000
8.00E-01	-6.200	0.900	0.000	0.805	0.000
8.00E-01	-6.200	0.900	0.000	0.804	-0.400
9.00E-01	-6.200	1.000	0.000	0.894	-1.000
9.00E-01	-6.200	1.000	0.000	0.897	-1.000
9.00E-01	-6.200	1.000	0.000	0.902	-1.000
9.00E-01	-6.200	1.000	0.000	0.895	-0.500
9.00E-01	-6.200	1.000	0.000	0.897	0.000
9.00E-01	-6.200	1.000	0.000	0.902	0.400

1375	41.652	68.7	358.315553	404.25174	465.280224	9.775596	0
1385	42.23	76.4	313.175	401.501679	501.825737	10.980163	0
1401	42.534	76.1	312.294495	398.751618	401.898854	10	0
1417	43.297	74.7	311.9	396.001558	301.971972	9.514118	0
1433	43.47	63.7	348.039454	392.843933	202.045089	9	0
1440	43.47	53.1	311.155731	382.546397	124.576923	9	0
1441	43.538	51.8	310.456615	372.248861	114.84569	9	0
1449	44.09	54.7	309.58963	361.951325	105.114458	8.937037	0
1450	44.09	50.4	319.432089	351.653789	95.383225	8	0
1447	44.09	44.9	314.664245	344.797418	85.651993	7.502353	0
1449	44.09	51.1	308.2	339.075899	83.333929	7	0
1449	44.09	48.2	308.2	333.35438	81.548214	7	0
1456	44.09	54.4	313.286642	327.632861	79.7625	6.628173	0
1466	44.609	61.3	308.932616	334.363134	78.019742	6	0
1478	44.71	67.5	307.433224	344.167541	79.538345	5.277174	0
1492	45.33	77.7	306.8	353.971949	81.056948	5	0
1504	45.652	74.1	320.543348	363.776356	82.57555	5	0
1513	45.95	69	311.80738	369.409398	83.941675	5	0
1514	45.95	69.1	306.8	373.746747	83.000941	5	0
1515	45.95	76.2	306.8	378.084096	82.060207	5.837838	0
1520	45.95	74.8	319.764565	382.421446	81.119473	6	0
1528	46.331	77.4	323.967685	385.469092	80.178739	6	0
1532	46.58	65.9	306.8	387.702522	80	6	0
1535	46.58	71.7	306.224825	389.935951	80	6.632251	0
1538	46.58	78.8	312.840617	392.16938	80	7	0
1544	46.833	84.9	334.98548	391.256558	80	6.845519	0
1549	47.2	74.5	307.193665	386.482746	79.559287	6.277996	0
1549	47.2	52.3	307.145508	381.708934	78.873886	7	0
1533	46.763	48.5	307.039302	376.935122	78.188485	7	0
1522	45.991	67.1	335.330137	372.953563	77.503084	7	0
1519	45.95	84	306.8	384.024821	82.05802	7	0
1521	46.019	84	306.839298	395.096078	101.073135	6.114851	0
1530	46.58	82.6	307.661025	406.167336	120.08825	6	0
1529	46.58	76.9	338.999683	417.238594	139.103364	6	0
1520	45.95	68.2	310.665786	418.532916	153.613434	6.742105	0
1515	45.95	78.3	307.524476	418.340423	145.15876	7	0
1513	45.95	83.9	308.329101	418.147931	136.704086	7	0
1514	45.95	82.6	333.758824	417.955438	128.249413	7	0
1522	45.95	86.1	327.122274	421.912209	119.794739	7	0
1525	46.42	83	310.060396	427.547335	121.980964	7	0
1530	46.58	81.2	310.5	433.182461	125.27121	7	0
1534	46.58	78.9	319.833917	438.817586	128.561457	7.918145	0
1528	46.58	73.2	353.221429	435.225362	131.851704	8	0
1520	46.223	69.4	312.260841	420.491063	124.637664	8	0
1502	45.95	53.8	312.6	405.756763	111.792293	7.519048	0
1480	45.327	13.3	312.6	391.022464	98.946922	7	0
1469	44.553	39.7	340.069965	381.833548	86.101551	7.01533	0

0.18862	0.02243	3.69067	6757.849
0.18876	0.02243	3.69252	6761.268
0.1889	0.02243	3.69545	6764.893
0.18902	0.02243	3.69811	6768.746
0.1891	0.02243	3.69985	6772.332
0.18916	0.02243	3.70114	6775.58
0.18921	0.02243	3.70265	6778.482
0.18925	0.02244	3.70388	6781.261
0.18928	0.02245	3.70559	6783.722
0.18931	0.02247	3.70741	6786.044
0.18934	0.02249	3.70901	6788.432
0.18937	0.02251	3.71039	6790.682
0.1894	0.02253	3.71238	6793.215
0.18943	0.02255	3.71423	6795.954
0.18946	0.02256	3.71668	6799.246
0.1895	0.02256	3.71968	6803.276
0.18954	0.02256	3.72234	6807.847
0.18958	0.02256	3.72417	6812.4
0.18961	0.02256	3.72574	6816.8
0.18965	0.02256	3.72738	6821.358
0.18969	0.02256	3.72931	6826.113
0.18973	0.02256	3.73122	6831.221
0.18977	0.02256	3.73278	6836.096
0.1898	0.02256	3.73419	6840.69
0.18984	0.02256	3.73597	6845.449
0.18988	0.02256	3.73862	6851.197
0.18992	0.02256	3.74108	6856.663
0.18995	0.02256	3.74273	6860.985
0.18997	0.02256	3.74382	6864.439
0.19	0.02256	3.74493	6867.905
0.19003	0.02258	3.74673	6871.858
0.19007	0.02259	3.74975	6877.201
0.19011	0.02259	3.75344	6883.265
0.19015	0.02259	3.75611	6888.879
0.19019	0.02259	3.75806	6893.45
0.19023	0.02259	3.7603	6897.593
0.19027	0.02259	3.76321	6902.467
0.19032	0.02259	3.76576	6907.888
0.19037	0.02259	3.76865	6913.785
0.19042	0.02259	3.77174	6920.087
0.19047	0.02259	3.77469	6926.482
0.19052	0.02259	3.7773	6932.526
0.19057	0.02259	3.77964	6937.831
0.19061	0.02259	3.78175	6942.383
0.19065	0.02259	3.78348	6945.96
0.19068	0.02259	3.78515	6949.069
0.19071	0.02259	3.78637	6952.177

13:19:51.038	20	0.00004	0.00002	0.00071	2.7	0.000263	46.8
13:19:52.038	21	0.00004	0.00002	0.00161	2.822	0.000275	46.3
13:19:53.038	21	0.00004	0	0.00316	3.621	0.000353	45.8
13:19:54.038	21	0.00004	0	0.00399	4.601	0.000448	45.3
13:19:55.038	20.1	0.00004	0	0.00287	4.543	0.000442	44.8
13:19:56.038	20	0.00004	0	0.00197	4.231	0.000411	45.4
13:19:57.038	21	0.00004	0	0.0015	3.504	0.000341	45.9
13:19:58.038	21	0.00004	0	0.00141	3.432	0.000334	45.5
13:19:59.038	21	0.00004	0	0.00164	3.132	0.000305	45.1
13:20:00.038	21	0.00004	0	0.00155	2.92	0.000284	44.8
13:20:01.038	21	0.00004	0	0.00162	2.976	0.00029	44.5
13:20:02.038	21	0.00004	0.00001	0.0015	2.868	0.000279	43.6
13:20:03.038	21	0.00004	0.00001	0.00149	2.856	0.000278	42.9
13:20:04.038	20	0.00004	0	0.00202	3.133	0.000305	42.9
13:20:05.038	20	0.00004	0	0.00207	3.388	0.00033	42.9
13:20:06.038	20	0.00004	0	0.00168	3.448	0.000336	43.9
13:20:07.038	20	0.00005	0	0.00163	3.648	0.000355	44.8
13:20:08.038	20	0.00004	0	0.00203	3.686	0.000359	43.7
13:20:09.038	21	0.00004	0	0.0023	3.611	0.000351	42.8
13:20:10.038	21	0.00004	0	0.0019	3.54	0.000345	44
13:20:11.038	21	0.00005	0	0.00161	3.531	0.000344	45
13:20:12.038	21	0.00005	0	0.00196	3.406	0.000332	44.2
13:20:13.038	21	0.00005	0.00001	0.00202	3.361	0.000327	43.5
13:20:14.038	20	0.00005	0	0.00168	3.413	0.000332	44.4
13:20:15.038	20	0.00004	0	0.00127	3.099	0.000301	45.2
13:20:16.038	20	0.00005	0	0.0014	2.933	0.000286	45.5
13:20:17.038	20	0.00004	0.00001	0.00098	2.555	0.000249	45.7
13:20:18.038	20	0.00004	0.00001	0.00142	2.21	0.000215	45.2
13:20:19.038	20	0.00004	0.00001	0.0015	2.022	0.000197	44.8
13:20:20.038	20	0.00004	0.00001	0.00107	1.759	0.000171	44.8
13:20:21.038	20	0.00004	0	0.00072	1.49	0.000145	44.8
13:20:22.038	20	0.00003	0	0.00094	1.276	0.000125	44.1
13:20:23.038	20	0.00003	0	0.00102	0.98	0.000096	43.4
13:20:24.038	21	0.00003	0	0.00094	0.842	0.000082	43.3
13:20:25.038	20	0.00004	0	0.00088	0.87	0.000085	43.2
13:20:26.038	20	0.00003	0	0.00088	0.569	0.000056	41.8
13:20:27.038	21	0.00004	0	0.00141	0.531	0.000052	40.6
13:20:28.038	21	0.00004	0	0.00233	0.867	0.000085	40.5
13:20:29.038	20.1	0.00004	0	0.00347	1.345	0.000132	40.4
13:20:30.038	20	0.00004	0	0.00288	1.842	0.00018	41.1
13:20:31.038	20	0.00005	0.00001	0.00198	2.059	0.000201	41.7
13:20:32.038	20	0.00006	0.00001	0.00165	2.306	0.000225	41.7
13:20:33.038	20	0.00007	0.00001	0.00176	2.682	0.000261	41.7
13:20:34.038	20	0.00008	0.00001	0.00219	3.317	0.000323	42.1
13:20:35.038	20	0.00008	0.00001	0.00288	3.592	0.00035	42.5
13:20:36.038	20	0.00012	0	0.00314	4.525	0.00044	43.1
13:20:37.038	20	0.00014	0	0.00252	4.729	0.00046	43.6

9.00E-01	-6.200	1.000	0.000	0.917	1.500	1446	43.863	61.6	312.825	384.81613	81.373692	7.838394	0
9.00E-01	-6.200	1.000	0.000	0.928	1.600	1435	43.47	71.4	313.3	387.798712	83.990247	6.664726	0
8.00E-01	-6.200	0.900	0.000	0.828	0.000	1426	43.47	77.8	313.843328	390.781293	86.606803	5	0
8.00E-01	-6.200	0.900	0.000	0.817	0.000	1425	43.47	68.8	353.253176	393.107153	89.223359	5	0
9.00E-01	-6.200	1.000	0.000	0.892	0.000	1423	43.373	62.1	316.209703	390.706769	90.922966	5	0
1.00E+00	-6.100	1.100	0.000	0.982	0.000	1420	42.85	64.9	315.599048	388.306385	90.682985	6.88012	0
1.10E+00	-6.100	1.200	0.000	1.090	0.000	1418	42.85	64.9	316.55113	385.906001	90.443005	7	0
1.10E+00	-6.100	1.200	0.000	1.094	0.000	1414	42.85	61.8	339.992569	383.505617	90.203024	7	0
1.10E+00	-6.100	1.200	0.000	1.092	0.000	1413	42.85	56.4	319.971429	377.78353	89.471628	7	0
1.10E+00	-6.100	1.200	0.000	1.092	0.000	1400	42.724	49	317.910353	371.908561	86.040644	7	0
1.10E+00	-6.100	1.200	0.000	1.094	0.000	1397	42.23	55.4	318.5	366.033593	82.60966	7	0
1.10E+00	-6.100	1.200	0.000	1.101	0.600	1393	42.23	61.7	333.640065	360.158624	79.178675	7	0
1.10E+00	-6.200	1.200	0.000	1.103	1.000	1394	42.23	66.7	318.623439	362.257297	76.903745	6.995652	0
1.10E+00	-6.200	1.200	0.000	1.089	0.400	1393	42.23	63.7	319.2	364.577232	76.640032	6	0
1.10E+00	-6.200	1.200	0.000	1.084	0.000	1391	42.23	68.2	319.2	366.897168	76.376319	6	0
1.10E+00	-6.200	1.200	0.000	1.081	0.000	1390	42.23	66.6	339.86748	368.797086	76.112605	6	0
1.10E+00	-6.200	1.200	0.000	1.079	0.000	1393	42.23	68.7	320.195947	369.538009	75.037437	6.246696	0
1.10E+00	-6.200	1.200	0.000	1.077	0.000	1395	42.23	68.2	320.6	370.278933	73.357571	7	0
1.10E+00	-6.200	1.200	0.000	1.084	0.000	1392	42.23	60.4	320.6	371.019857	71.677706	7	0
1.10E+00	-6.200	1.200	0.000	1.084	0.000	1389	42.23	60.4	343.824797	371.315291	69.99784	7	0
1.20E+00	-6.200	1.300	0.000	1.180	0.000	1390	42.23	63.6	320.6	370.003268	68.903103	7	0
1.20E+00	-6.300	1.300	0.000	1.184	0.000	1394	42.23	68.8	320.6	368.691245	68.664439	7	0
1.20E+00	-6.300	1.300	0.000	1.184	1.000	1401	42.623	65.1	320.6	367.379222	68.425776	7	0
1.20E+00	-6.300	1.300	0.000	1.169	0.000	1412	42.85	55.4	340.020732	365.908649	68.187112	7	0
1.20E+00	-6.300	1.300	0.000	1.168	0.000	1408	42.85	47.6	320.6	358.254621	67.948596	7	0
1.30E+00	-6.300	1.400	0.000	1.259	0.000	1411	42.85	53	320.6	350.600592	67.710614	7	0
1.30E+00	-6.300	1.400	0.000	1.274	0.700	1410	42.85	45.2	320.368703	342.946564	67.472632	6	0
1.30E+00	-6.300	1.400	0.000	1.278	1.000	1405	42.85	34	323.942525	335.292536	67.23465	6	0
1.30E+00	-6.300	1.400	0.000	1.282	1.000	1402	42.85	31.1	321.337931	323.906039	67.010393	6	0
1.30E+00	-6.300	1.400	0.000	1.289	1.000	1391	42.318	30.6	319.327525	311.615405	67.752784	6.650049	0
1.30E+00	-6.300	1.400	0.000	1.301	0.400	1382	42.226	16.2	319.2	299.32477	68.495174	7	0
1.20E+00	-6.300	1.300	0.000	1.221	0.000	1364	41.61	12.3	315.411143	287.034135	69.237565	6.052879	0
1.20E+00	-6.300	1.300	0.000	1.220	0.000	1350	41.16	3.4	312.31875	277.662275	69.979955	6	0
1.20E+00	-6.300	1.300	0.000	1.238	0.000	1333	40.427	8.2	317.897478	270.528484	70	6	0
1.20E+00	-6.300	1.300	0.000	1.237	0.000	1332	40.37	27.9	317.071579	263.394694	70	6	0
1.20E+00	-6.300	1.300	0.000	1.248	0.000	1323	40.37	37.1	305.705577	256.260904	70	4.862821	0
1.30E+00	-6.300	1.300	0.000	1.261	0.000	1323	39.982	49	302.855981	258.949829	70	3.621965	0
1.20E+00	-6.300	1.200	0.000	1.164	0.000	1326	40.252	54.7	316.911477	267.482253	73.223415	2.436585	0
1.20E+00	-6.300	1.300	0.000	1.223	0.000	1320	40.37	48.3	316.340471	276.014676	77.125854	1.249123	0
1.30E+00	-6.300	1.400	0.000	1.290	0.000	1324	40.37	50.1	313.16677	284.547099	81.028293	1	0
1.50E+00	-6.300	1.700	0.000	1.546	1.000	1328	40.37	46.4	307.971183	293.563315	84.930732	1.253801	0
1.70E+00	-6.300	1.900	0.000	1.735	1.000	1331	40.37	53.6	315.5	303.017248	86.734818	2	0
1.80E+00	-6.300	2.000	0.000	1.824	1.000	1339	40.37	67	315.5	312.471181	87.746964	2.529341	0
1.80E+00	-6.300	2.000	0.000	1.825	1.000	1351	40.986	79.3	315.5	321.925114	88.759109	3	0
1.80E+00	-6.300	2.000	0.000	1.808	0.400	1367	41.61	71.8	319.062538	330.587801	89.771255	2.101695	0
2.30E+00	-6.300	2.600	0.000	2.304	0.000	1388	42.088	84.6	314.297637	337.891608	92.677539	3.52125	0
2.70E+00	-6.300	3.100	0.000	2.749	0.000	1398	42.828	72.3	314.1	345.195416	96.136892	4	0

0.19075	0.02261	3.78708	6954.877
0.19079	0.02263	3.78869	6957.699
0.19083	0.02263	3.79185	6961.32
0.19087	0.02263	3.79584	6965.921
0.19091	0.02263	3.79871	6970.464
0.19095	0.02263	3.80068	6974.695
0.19099	0.02263	3.80218	6978.199
0.19103	0.02263	3.80359	6981.631
0.19107	0.02263	3.80523	6984.763
0.19111	0.02263	3.80678	6987.683
0.19115	0.02263	3.8084	6990.659
0.19119	0.02264	3.8099	6993.527
0.19123	0.02265	3.81139	6996.383
0.19127	0.02265	3.81341	6999.516
0.19131	0.02265	3.81548	7002.904
0.19135	0.02265	3.81716	7006.352
0.1914	0.02265	3.81879	7010
0.19144	0.02265	3.82082	7013.686
0.19148	0.02265	3.82312	7017.297
0.19152	0.02265	3.82502	7020.837
0.19157	0.02265	3.82663	7024.368
0.19162	0.02265	3.82859	7027.774
0.19167	0.02266	3.83061	7031.135
0.19172	0.02266	3.83229	7034.548
0.19176	0.02266	3.83356	7037.647
0.19181	0.02266	3.83496	7040.58
0.19185	0.02267	3.83594	7043.135
0.19189	0.02268	3.83736	7045.345
0.19193	0.02269	3.83886	7047.367
0.19197	0.0227	3.83993	7049.126
0.19201	0.0227	3.84065	7050.616
0.19204	0.0227	3.84159	7051.892
0.19207	0.0227	3.84261	7052.872
0.1921	0.0227	3.84355	7053.714
0.19214	0.0227	3.84443	7054.584
0.19217	0.0227	3.84531	7055.153
0.19221	0.0227	3.84672	7055.684
0.19225	0.0227	3.84905	7056.551
0.19229	0.0227	3.85252	7057.896
0.19233	0.0227	3.8554	7059.738
0.19238	0.02271	3.85738	7061.797
0.19244	0.02272	3.85903	7064.103
0.19251	0.02273	3.86079	7066.785
0.19259	0.02274	3.86298	7070.102
0.19267	0.02275	3.86586	7073.694
0.19279	0.02275	3.869	7078.219
0.19293	0.02275	3.87152	7082.948

13:20:38.038	20	0.00012	0	0.00151	4.021	0.000391	43.8
13:20:39.038	20	0.00011	0	0.00093	3.431	0.000334	44
13:20:40.038	20	0.00011	0	0.00064	2.762	0.000269	44.5
13:20:41.038	20	0.0001	0	0.00141	2.445	0.000238	45
13:20:42.038	20	0.00009	0	0.00111	2.32	0.000226	44.8
13:20:43.038	20	0.00007	0.00001	0.00147	2.206	0.000215	44.7
13:20:44.038	20	0.00007	0.00001	0.00168	2.275	0.000222	44.8
13:20:45.038	20	0.00007	0.00001	0.00169	2.619	0.000255	44.9
13:20:46.038	20	0.00008	0.00001	0.00165	2.744	0.000267	45.1
13:20:47.038	20	0.00008	0.00001	0.00225	3.024	0.000295	45.2
13:20:48.038	20	0.00009	0	0.00251	3.399	0.000331	45.2
13:20:49.038	20	0.00009	0	0.00214	3.418	0.000333	45.2
13:20:50.038	20	0.0001	0	0.00188	3.437	0.000334	45.4
13:20:51.038	20	0.0001	0.00001	0.00153	2.894	0.000282	45.5
13:20:52.038	20	0.00009	0.00001	0.00123	2.487	0.000242	45.6
13:20:53.038	20	0.00008	0.00001	0.001	2.137	0.000208	45.6
13:20:54.038	20	0.00008	0.00001	0.00059	1.831	0.000178	44.2
13:20:55.038	20	0.00008	0.00001	0.00084	1.581	0.000154	43
13:20:56.038	20	0.00007	0.00001	0.00121	1.395	0.000136	42.5
13:20:57.038	20	0.00007	0.00001	0.00134	1.349	0.000132	42
13:20:58.038	20	0.00007	0.00001	0.00138	1.385	0.000135	42
13:20:59.038	20	0.00007	0.00001	0.00137	1.287	0.000126	42
13:21:00.038	20	0.00006	0.00001	0.00098	1.066	0.000104	40.9
13:21:01.038	20	0.00006	0	0.00105	0.92	0.00009	39.9
13:21:02.038	20	0.00007	0	0.00146	0.983	0.000096	39.7
13:21:03.038	20	0.00006	0	0.00124	0.764	0.000075	39.6
13:21:04.038	20	0.00005	0	0.00069	0.512	0.00005	39.2
13:21:05.038	20	0.00004	0	0.00068	0.373	0.000037	38.9
13:21:06.038	20	0.00003	0	0.0008	0.297	0.000029	36.1
13:21:07.038	20	0.00003	0	0.00073	0.249	0.000024	33.8
13:21:08.038	20	0.00003	0	0.00071	0.213	0.000021	30
13:21:09.038	20	0.00003	0	0.00078	0.203	0.00002	26.8
13:21:10.038	20	0.00003	0	0.00057	0.158	0.000016	22.7
13:21:11.038	20	0.00003	0	0.00029	0.114	0.000011	19.2
13:21:12.038	20	0.00003	0	0.00066	0.109	0.000011	16.2
13:21:13.038	20	0.00003	0	0.00087	0.08	0.000007	13.6
13:21:14.038	20	0.00002	0	0.00088	0.064	0.000007	9.4
13:21:15.038	20	0.00002	0	0.00092	0.084	0.000008	5.8
13:21:16.038	20	0.00002	0	0.00119	0.19	0.000019	2.7
13:21:17.038	20	0.00002	0	0.00143	0.355	0.000035	0
13:21:18.038	20	0.00002	0	0.00137	0.527	0.000052	0
13:21:19.038	20	0.00002	0	0.00115	0.691	0.000068	0
13:21:20.038	20	0.00002	0	0.00101	0.822	0.00008	0
13:21:21.038	20	0.00002	0	0.00091	0.893	0.000087	0
13:21:22.038	20	0.00002	0.00001	0.00065	0.935	0.000091	0
13:21:23.038	20	0.00002	0.00001	0.00073	0.97	0.000095	0
13:21:24.038	20	0.00002	0.00001	0.00066	0.984	0.000096	0

2.90E+00	-6.300	3.300	0.000	2.925	0.000
3.00E+00	-6.300	3.400	0.000	3.041	0.000
3.30E+00	-6.300	3.600	0.000	3.256	0.000
3.10E+00	-6.300	3.400	0.000	3.101	0.000
2.60E+00	-6.300	2.800	0.000	2.582	0.000
2.00E+00	-6.300	2.200	0.000	2.044	0.500
1.90E+00	-6.300	2.100	0.000	1.928	1.000
1.90E+00	-6.300	2.100	0.000	1.925	1.000
1.90E+00	-6.300	2.100	0.000	1.924	1.000
2.00E+00	-6.300	2.200	0.000	1.996	0.800
2.20E+00	-6.300	2.400	0.000	2.163	0.000
2.30E+00	-6.300	2.600	0.000	2.330	0.000
2.60E+00	-6.300	2.900	0.000	2.598	0.000
2.70E+00	-6.200	3.000	0.000	2.712	1.000
2.70E+00	-6.200	3.000	0.000	2.721	1.000
2.70E+00	-6.200	3.000	0.000	2.736	1.000
2.80E+00	-6.200	3.000	0.000	2.756	1.000
2.80E+00	-6.200	3.000	0.000	2.777	1.000
2.70E+00	-6.300	2.900	0.000	2.709	1.000
2.60E+00	-6.300	2.800	0.000	2.615	1.000
2.60E+00	-6.300	2.800	0.000	2.607	1.000
2.60E+00	-6.300	2.800	0.000	2.615	1.000
2.50E+00	-6.300	2.700	0.000	2.544	1.000
2.60E+00	-6.400	2.700	0.000	2.551	0.300
2.60E+00	-6.400	2.700	0.000	2.556	0.000
2.50E+00	-6.400	2.600	0.000	2.467	0.000
2.50E+00	-6.400	2.600	0.000	2.481	0.000
2.50E+00	-6.400	2.600	0.000	2.491	0.000
2.40E+00	-6.400	2.500	0.000	2.400	0.000
2.40E+00	-6.400	2.500	0.000	2.403	0.000
2.30E+00	-6.400	2.400	0.000	2.312	0.000
2.20E+00	-6.400	2.300	0.000	2.228	0.000
2.20E+00	-6.400	2.300	0.000	2.224	0.000
1.90E+00	-6.400	2.000	0.000	1.947	0.000
1.70E+00	-6.400	1.700	0.000	1.657	0.000
1.50E+00	-6.400	1.500	0.000	1.487	0.000
1.30E+00	-6.400	1.300	0.000	1.290	0.000
1.20E+00	-6.400	1.200	0.000	1.169	0.000
1.10E+00	-6.400	1.100	0.000	1.071	0.000
1.10E+00	-6.400	1.100	0.000	1.053	0.000
1.00E+00	-6.400	1.100	0.000	1.042	0.000
1.00E+00	-6.400	1.100	0.000	1.032	0.000
1.00E+00	-6.400	1.100	0.000	1.024	0.000
1.00E+00	-6.400	1.100	0.000	1.020	0.700
1.00E+00	-6.400	1.100	0.000	1.017	1.700
1.00E+00	-6.400	1.100	0.000	1.016	2.000
1.00E+00	-6.400	1.100	0.000	1.015	2.000

1419	42.85	54.3	317.677771	352.499223	99.596244	4.996099	1
1414	42.85	40.9	324.891219	351.552628	103.055597	6	1
1413	42.85	36.5	312.6	342.583451	100.519778	6	1
1421	42.85	56	311.241121	333.614275	95.732678	6	1
1413	42.85	52.5	311.332089	324.645099	90.945578	6	0
1413	42.85	51	312.617946	321.558092	86.158478	5.717113	0
1416	42.85	50.9	308.942363	323.303251	84.818225	5	0
1418	42.85	59.3	307.769167	325.04841	84.578417	5	0
1420	42.85	71.8	306.86729	326.793569	84.338609	5	0
1423	43.049	72	314.054398	328.842921	84.098801	5	0
1426	43.47	61.2	305.021822	331.41921	82.615022	5	0
1424	43.149	53	304.6	333.995498	80.259618	5.278302	0
1429	42.85	69.5	304.066298	336.571786	77.904214	6	0
1412	42.85	49.6	314.864894	334.270618	75.548809	7	0
1401	42.435	35.5	303.2	323.592948	74.06509	7	0
1380	42.23	31.1	302.609487	312.915279	72.846173	7	0
1367	41.61	39	301.489223	302.237609	71.627255	7	0
1357	41.39	40.3	299.008936	292.566946	70.408337	7	0
1341	40.638	32	300.537583	284.618292	69.839604	6.661166	0
1325	40.37	30.1	300.2	276.669637	69.598408	6	0
1298	39.728	5.1	299.528075	268.720982	69.357212	6	0
1278	39.12	18.4	284.583075	261.021197	69.116015	5	0
1262	38.873	19.7	298.587243	253.855148	69.361085	5	0
1251	38.175	9.6	298.2	246.6891	70.056818	5	0
1238	37.46	13.3	297.326984	239.523052	70.752551	5	0
1209	37.26	8	270.01345	232.364241	71.448284	4.36962	0
1194	36.542	0.7	296.795792	226.404452	70.216371	4	0
1108	34.625	0	296.1	220.444663	61.599809	4	0
972	31.103	0	295.899501	214.484873	52.983246	4	0
947	27.169	0	268.905656	208.525084	44.366683	4	0
956	23.984	0	286.020605	204.666691	35.847842	4	0
1167	19.825	0	294.12028	201.244819	30.601002	3.334	0
1121	16.459	0	293.945455	197.822948	25.354162	3	0
836	13.159	10.2	277.883755	194.401077	20.107322	3	0
831	9.595	39.3	272.814419	197.100394	14.860482	2.609058	0
794	6.796	33.8	292.868	203.110246	33.269504	1.45727	0
745	4.266	45.3	292.000935	209.120099	56.319149	0.219124	0
754	2.135	46	283.892614	215.129951	79.368794	0	0
749	0.837	45.2	276.403191	219.691914	102.41844	0	0
759	0.124	45.8	291.3	223.243552	102.818182	0	0
761	0.596	46.9	290.660402	226.795189	100.361179	0	0
749	0.379	45.5	280.826515	230.346826	97.904177	0	0
751	0	45.5	277.82355	232.662004	95.447174	0	0
749	0	45.5	290.12766	234.216131	92.294377	0	0
749	0	45.3	290	235.770257	88.98677	0	0
748	0	45.5	272.938	237.324384	85.679162	0.412017	0
749	0	45.5	289.3	238.159717	82.778089	1	0

0.19305	0.02275	3.87303	7086.969
0.19316	0.02275	3.87396	7090.4
0.19327	0.02275	3.8746	7093.162
0.19337	0.02275	3.87601	7095.607
0.19346	0.02275	3.87712	7097.927
0.19353	0.02276	3.87859	7100.133
0.1936	0.02277	3.88027	7102.408
0.19367	0.02278	3.88196	7105.027
0.19375	0.02279	3.88361	7107.771
0.19383	0.0228	3.88586	7110.795
0.19392	0.0228	3.88837	7114.194
0.19401	0.0228	3.89051	7117.612
0.19411	0.0228	3.89239	7121.049
0.19421	0.02281	3.89392	7123.943
0.1943	0.02282	3.89515	7126.43
0.19438	0.02283	3.89615	7128.567
0.19446	0.02284	3.89674	7130.398
0.19454	0.02285	3.89758	7131.979
0.19461	0.02286	3.89879	7133.374
0.19468	0.02287	3.90013	7134.723
0.19475	0.02288	3.90151	7136.108
0.19482	0.02289	3.90288	7137.395
0.19488	0.0229	3.90386	7138.461
0.19494	0.0229	3.90491	7139.381
0.19501	0.0229	3.90637	7140.364
0.19507	0.0229	3.90761	7141.128
0.19512	0.0229	3.9083	7141.64
0.19516	0.0229	3.90898	7142.013
0.19519	0.0229	3.90978	7142.31
0.19522	0.0229	3.91051	7142.559
0.19525	0.0229	3.91122	7142.772
0.19528	0.0229	3.912	7142.975
0.19531	0.0229	3.91257	7143.133
0.19534	0.0229	3.91286	7143.247
0.19537	0.0229	3.91352	7143.356
0.1954	0.0229	3.91439	7143.436
0.19542	0.0229	3.91527	7143.5
0.19544	0.0229	3.91619	7143.584
0.19546	0.0229	3.91738	7143.774
0.19548	0.0229	3.91881	7144.129
0.1955	0.0229	3.92018	7144.656
0.19552	0.0229	3.92133	7145.347
0.19554	0.0229	3.92234	7146.169
0.19556	0.0229	3.92325	7147.062
0.19558	0.02291	3.9239	7147.997
0.1956	0.02292	3.92463	7148.967
0.19562	0.02293	3.92529	7149.951

13:21:25.038	20	0.00002	0.00001	0.00064	0.985	0.000096	0
13:21:26.038	20	0.00002	0.00001	0.00064	0.992	0.000097	0
13:21:27.038	20	0.00002	0.00001	0.00064	0.987	0.000096	0
13:21:28.038	20	0.00002	0.00001	0.00064	0.989	0.000096	0
13:21:29.038	20	0.00002	0.00001	0.00064	0.991	0.000097	0
13:21:30.038	20	0.00002	0.00001	0.0007	0.988	0.000096	0.7
13:21:31.038	20	0.00002	0.00001	0.00073	0.987	0.000096	1.2
13:21:32.038	20	0.00002	0.00001	0.00072	0.978	0.000095	0.6
13:21:33.038	20	0.00002	0.00001	0.00072	0.974	0.000095	0
13:21:34.038	20	0.00002	0.00001	0.00072	0.976	0.000095	0
13:21:35.038	20	0.00002	0.00001	0.00073	0.993	0.000097	0
13:21:36.038	20	0.00002	0.00001	0.00074	1.007	0.000098	0
13:21:37.038	20	0.00002	0.00001	0.00073	1.007	0.000098	0
13:21:38.038	20	0.00002	0.00001	0.00073	1.007	0.000098	0
13:21:39.038	20	0.00002	0.00001	0.00073	0.996	0.000097	0
13:21:40.038	20	0.00002	0.00001	0.00072	0.991	0.000097	0
13:21:41.038	20	0.00002	0.00001	0.00072	0.986	0.000096	0
13:21:42.038	20	0.00002	0.00001	0.00073	1.007	0.000098	0
13:21:43.038	20	0.00002	0.00001	0.00073	1.001	0.000098	0
13:21:44.038	20	0.00002	0.00001	0.00072	0.995	0.000097	0
13:21:45.038	20	0.00002	0.00001	0.00073	1.006	0.000098	0
13:21:46.038	20	0.00002	0.00001	0.00073	1.004	0.000098	0
13:21:47.038	20	0.00002	0.00001	0.00072	0.986	0.000096	0
13:21:48.038	20	0.00002	0.00001	0.00088	1.217	0.000119	0
13:21:49.038	20	0.00005	0.00003	0.00208	2.978	0.00029	0
13:21:50.038	20	0.00007	0.00004	0.00355	4.386	0.000427	0.8
13:21:51.038	20	0.00009	0.00003	0.00393	4.852	0.000472	1.4
13:21:52.038	20	0.00015	0	0.0023	3.969	0.000386	3.6
13:21:53.038	20	0.00017	0	0.00112	3.848	0.000374	5.4
13:21:54.038	20	0.0002	0	0.00226	4.426	0.000431	9.9
13:21:55.038	20	0.00022	0	0.00231	5.087	0.000495	13.8
13:21:56.038	20	0.00027	0	0.00285	6.574	0.000639	15.9
13:21:57.038	20	0.00035	0	0.00477	8.965	0.000872	17.7
13:21:58.038	20	0.00048	0	0.0057	10.612	0.001031	20.2
13:21:59.038	20	0.00043	0	0.00233	5.931	0.000577	22.3
13:22:00.038	20	0.00039	0	0.00095	4.321	0.000421	24.7
13:22:01.038	20	0.00042	0	0.0038	5.902	0.000575	26.8
13:22:02.038	20	0.00029	0	0.00517	7.031	0.000684	28.3
13:22:03.038	20	0.00016	0	0.00304	5.48	0.000533	29.5
13:22:04.038	20	0.0001	0	0.00154	4.039	0.000393	30.9
13:22:05.038	20	0.00007	0	0.00181	3.575	0.000348	32.1
13:22:06.038	20	0.00004	0	0.00124	3.188	0.00031	33.4
13:22:07.038	20	0.00003	0.00002	0.00118	2.87	0.00028	34.5
13:22:08.038	20	0.00002	0.00003	0.00154	2.513	0.000245	34.1
13:22:09.038	20	0.00002	0.00002	0.00189	2.615	0.000255	33.8
13:22:10.038	20	0.00002	0	0.00144	2.494	0.000243	33.4
13:22:11.038	20	0.00002	0	0.00211	3.016	0.000294	33.1

1.00E+00	-6.400	1.100	0.000	1.015	2.000	749	0	46.1	288.600699	238.903479	81.610138	1.820969	0
1.00E+00	-6.400	1.100	0.000	1.015	2.000	756	0	46.5	287.937784	239.647241	80.442186	2	0
1.00E+00	-6.400	1.100	0.000	1.015	2.000	751	0	46	277.409816	240.391003	79.274235	2.25679	0
1.00E+00	-6.500	1.100	0.000	1.014	2.000	750	0	46.9	279.913084	240.813304	78.106284	2.538283	0
1.00E+00	-6.500	1.100	0.000	1.014	2.000	750	0	46.4	287.378812	241.109973	77.582932	2.532274	0
1.00E+00	-6.500	1.100	0.000	1.016	2.000	750	0	46.7	287.693412	241.406641	77.124111	3	0
1.00E+00	-6.500	1.100	0.000	1.016	2.000	749	0	47	287.202113	241.703309	76.66529	3	0
1.00E+00	-6.500	1.100	0.000	1.016	2.000	750	0	46.5	269.439315	241.948524	76.206469	3	0
1.00E+00	-6.500	1.100	0.000	1.016	2.000	750	0	46.5	286.255556	242.092513	75.585739	3	0
1.00E+00	-6.500	1.100	0.000	1.016	2.000	749	0	46.7	285.8	242.236501	74.832538	3	0
1.10E+00	-6.500	1.200	0.000	1.101	2.000	756	0	47.4	285.8	242.38049	74.079337	3	0
1.10E+00	-6.500	1.200	0.000	1.108	2.000	756	0	46.9	264.757132	242.5	73.326136	3	0
1.10E+00	-6.500	1.200	0.000	1.108	2.000	749	0	45.9	284.881111	242.5	72.859931	3	0
1.10E+00	-6.500	1.200	0.000	1.108	2.200	750	0	46.2	283.986483	242.5	72.612895	3	0
1.10E+00	-6.500	1.200	0.000	1.108	2.300	750	0	47.1	283.8	242.5	72.36586	3	0
1.10E+00	-6.500	1.200	0.000	1.108	2.000	750	0	47.3	266.816961	242.455488	72.118824	3	0
1.10E+00	-6.500	1.200	0.000	1.108	2.000	751	0	47.8	283.1	242.315953	71.879302	3	0
1.10E+00	-6.500	1.200	0.000	1.108	2.000	752	0	47	282.887986	242.176419	71.646744	3	0
1.10E+00	-6.500	1.200	0.000	1.108	2.000	750	0	46.2	281.63491	242.036884	71.414186	3	0
1.10E+00	-6.500	1.200	0.000	1.108	2.000	749	0	46.9	264.712391	241.9	71.181628	3	0
1.10E+00	-6.600	1.200	0.000	1.106	2.000	752	0	47.5	280.977959	241.9	71	3	0
1.10E+00	-6.600	1.200	0.000	1.106	2.000	758	0	47.6	280.224563	241.9	71	3	0
1.10E+00	-6.600	1.200	0.000	1.106	3.000	748	0	47.1	279.46729	241.9	71	3	0
1.10E+00	-6.600	1.200	0.000	1.103	2.000	752	0	67.3	267.563502	241.9	71	3	0
1.10E+00	-6.600	1.200	0.000	1.100	2.000	1292	1.577	98.7	274.717575	256.658938	71.240905	3	0
1.20E+00	-6.600	1.300	0.000	1.174	2.000	1652	5.466	83.1	277.654627	274.46224	79.844641	2.258065	0
1.70E+00	-6.600	1.800	0.000	1.651	1.600	1679	8.928	66.3	276.888	292.265542	88.448378	2	0
3.30E+00	-6.600	3.700	0.000	3.306	0.300	1460	11.012	64.3	281.857123	310.068844	97.052114	4	0
3.90E+00	-6.600	4.300	0.000	3.853	0.000	1421	12.259	80.8	281.40223	323.92406	105.655851	4.471698	0
3.90E+00	-6.600	4.300	0.000	3.864	0.000	1557	14.092	74.9	274.28847	335.653383	106.957845	4.32294	0
3.80E+00	-6.600	4.200	0.000	3.759	0.000	1726	16.239	72.7	273.483621	347.382707	107.9556	4	0
3.70E+00	-6.600	4.200	0.000	3.747	0.000	1734	18.06	84.7	286.384375	359.11203	108.953355	4.928673	0
3.70E+00	-6.600	4.200	0.000	3.741	0.000	1527	20.616	87.9	286.598024	368.172136	109.95111	4.459816	0
4.50E+00	-6.500	5.100	0.000	4.538	0.000	1688	23.84	80.1	272.1	375.85719	134.435417	6.945055	0
6.50E+00	-6.500	7.200	0.000	6.469	-0.400	1778	25.486	40.8	272.1	383.542244	160.129861	8.764045	0
7.00E+00	-6.500	7.700	0.000	7.007	-0.300	1514	26.792	77.8	278.349438	391.227298	185.824306	9	0
5.60E+00	-6.500	6.100	0.000	5.562	0.000	1553	28.02	93	313.518375	396.275701	211.51875	5.860656	0
3.90E+00	-6.400	4.400	0.000	3.889	0.000	1636	29.898	73.8	272.466141	397.652976	203.945946	5	0
2.70E+00	-6.400	3.000	0.000	2.716	0.000	1693	30.909	61	273.307041	399.030251	176.918919	6.070155	0
2.30E+00	-6.400	2.500	0.000	2.265	0.000	1747	31.637	54.6	274.13255	400.407526	149.891892	7	0
1.60E+00	-6.400	1.700	0.000	1.567	0.000	1753	31.67	48.7	322.287893	396.380154	122.864865	7	0
1.10E+00	-6.400	1.200	0.000	1.101	0.400	1575	31.942	49.4	274.743237	382.40332	108.263415	7	0
9.00E-01	-6.400	1.000	0.000	0.918	2.100	1372	32.29	68.4	275.6	368.426486	103.385366	7	0
7.00E-01	-6.500	0.700	0.000	0.660	2.800	1377	32.29	38.2	275.6	354.449653	98.507317	6.275701	0
5.00E-01	-6.600	0.600	0.000	0.549	1.600	1369	32.29	56.7	293.758129	347.088208	93.629268	6	0
6.00E-01	-6.600	0.600	0.000	0.552	0.000	1377	32.786	52.5	276.82442	347.277091	93.222762	6	0
5.00E-01	-6.600	0.500	0.000	0.469	0.000	1404	32.91	70.7	277.548876	347.465974	93.478517	5.275328	0

0.19564	0.02294	3.92593	7150.936
0.19566	0.02295	3.92657	7151.928
0.19568	0.02296	3.92721	7152.915
0.1957	0.02297	3.92785	7153.904
0.19572	0.02298	3.92849	7154.895
0.19574	0.02299	3.92919	7155.883
0.19576	0.023	3.92992	7156.87
0.19578	0.02301	3.93064	7157.848
0.1958	0.02302	3.93136	7158.822
0.19582	0.02303	3.93208	7159.798
0.19584	0.02304	3.93281	7160.791
0.19586	0.02305	3.93355	7161.798
0.19588	0.02306	3.93428	7162.805
0.1959	0.02307	3.93501	7163.812
0.19592	0.02308	3.93574	7164.808
0.19594	0.02309	3.93646	7165.799
0.19596	0.0231	3.93718	7166.785
0.19598	0.02311	3.93791	7167.792
0.196	0.02312	3.93864	7168.793
0.19602	0.02313	3.93936	7169.788
0.19604	0.02314	3.94009	7170.794
0.19606	0.02315	3.94082	7171.798
0.19608	0.02316	3.94154	7172.784
0.1961	0.02317	3.94242	7174.001
0.19615	0.0232	3.9445	7176.979
0.19622	0.02324	3.94805	7181.365
0.19631	0.02327	3.95198	7186.217
0.19646	0.02327	3.95428	7190.186
0.19663	0.02327	3.9554	7194.034
0.19683	0.02327	3.95766	7198.46
0.19705	0.02327	3.95997	7203.547
0.19732	0.02327	3.96282	7210.121
0.19767	0.02327	3.96759	7219.086
0.19815	0.02327	3.97329	7229.698
0.19858	0.02327	3.97562	7235.629
0.19897	0.02327	3.97657	7239.95
0.19939	0.02327	3.98037	7245.852
0.19968	0.02327	3.98554	7252.883
0.19984	0.02327	3.98858	7258.363
0.19994	0.02327	3.99012	7262.402
0.20001	0.02327	3.99193	7265.977
0.20005	0.02327	3.99317	7269.165
0.20008	0.02329	3.99435	7272.035
0.2001	0.02332	3.99589	7274.548
0.20012	0.02334	3.99778	7277.163
0.20014	0.02334	3.99922	7279.657
0.20016	0.02334	4.00133	7282.673

13:22:12.038	20	0.00002	0	0.00175	3.161	0.000308	34
13:22:13.038	20	0.00001	0	0.00178	3.161	0.000308	34.8
13:22:14.038	20	0.00001	0	0.00181	3.315	0.000323	34.6
13:22:15.038	20	0.00002	0	0.00171	3.472	0.000338	34.5
13:22:16.038	20	0.00001	0.00001	0.00158	3.156	0.000307	35.2
13:22:17.038	20	0.00001	0	0.00144	2.894	0.000282	35.8
13:22:18.038	20	0.00001	0	0.00146	2.855	0.000278	36.3
13:22:19.038	20	0.00001	0	0.00154	2.869	0.000279	36.8
13:22:20.038	20	0.00001	0.00001	0.00169	2.861	0.000279	37
13:22:21.038	20	0.00001	0.00001	0.00168	2.931	0.000286	37.2
13:22:22.038	20	0.00001	0.00001	0.0014	2.96	0.000288	37.6
13:22:23.038	20	0.00001	0.00001	0.00165	3.026	0.000295	37.9
13:22:24.038	20	0.00001	0.00001	0.00173	2.828	0.000276	38.9
13:22:25.038	20	0.00001	0.00001	0.0017	2.754	0.000268	39.8
13:22:26.038	20	0.00001	0.00001	0.00171	2.6	0.000253	41.2
13:22:27.038	20	0.00001	0	0.00196	2.889	0.000281	42.5
13:22:28.038	20	0.00002	0	0.00151	3.39	0.00033	41.5
13:22:29.038	20	0.00002	0	0.00219	4.025	0.000392	40.7
13:22:30.038	20	0.00002	0	0.00409	5.44	0.00053	41.5
13:22:31.038	20	0.00002	0	0.00318	5.403	0.000525	42.1
13:22:32.038	20.9	0.00002	0	0.00141	4.05	0.000394	42.5
13:22:33.038	21	0.00003	0	0.0009	3.78	0.000368	42.8
13:22:34.038	21	0.00003	0	0.00185	3.957	0.000385	42
13:22:35.038	20	0.00003	0	0.00255	4.265	0.000415	41.4
13:22:36.038	21	0.00002	0	0.00226	4.235	0.000412	41.4
13:22:37.038	21	0.00002	0	0.00165	3.671	0.000357	41.4
13:22:38.038	21	0.00002	0	0.00136	3.45	0.000336	41.2
13:22:39.038	21	0.00002	0	0.00115	2.845	0.000277	41.1
13:22:40.038	21	0.00002	0	0.00128	2.784	0.000271	40.2
13:22:41.038	21	0.00002	0	0.00118	2.777	0.00027	39.5
13:22:42.038	21	0.00002	0	0.00149	2.523	0.000246	39.5
13:22:43.038	21	0.00002	0	0.00155	2.399	0.000234	39.5
13:22:44.038	21	0.00002	0	0.00136	2.424	0.000236	39.2
13:22:45.038	21	0.00002	0	0.00129	2.812	0.000274	38.9
13:22:46.038	21	0.00003	0	0.00164	3.323	0.000324	38
13:22:47.038	21	0.00004	0	0.0017	3.787	0.000369	37.2
13:22:48.038	21	0.00005	0	0.00208	4.175	0.000406	37.4
13:22:49.038	21	0.00007	0	0.00192	4.79	0.000466	37.5
13:22:50.038	21	0.00011	0	0.0032	6.563	0.000638	37.6
13:22:51.038	21	0.0001	0	0.00394	6.459	0.000627	37.6
13:22:52.038	21	0.0001	0	0.00236	5.407	0.000525	38.4
13:22:53.038	21	0.00009	0	0.00123	4.101	0.000399	39
13:22:54.038	21	0.00007	0	0.0009	3.054	0.000297	39.8
13:22:55.038	21	0.00006	0	0.00116	2.818	0.000274	40.5
13:22:56.038	21	0.00004	0	0.00091	2.445	0.000238	39.8
13:22:57.038	21	0.00002	0	0.00023	1.586	0.000155	39.2
13:22:58.038	21	0.00001	0	0.00016	1.069	0.000104	38.2

5.00E-01	-6.600	0.500	0.000	0.457	0.000
4.00E-01	-6.600	0.400	0.000	0.364	0.000
4.00E-01	-6.600	0.400	0.000	0.363	0.000
4.00E-01	-6.600	0.400	0.000	0.364	0.000
4.00E-01	-6.600	0.400	0.000	0.364	0.700
4.00E-01	-6.700	0.400	0.000	0.364	0.000
4.00E-01	-6.700	0.400	0.000	0.365	0.000
4.00E-01	-6.700	0.400	0.000	0.365	0.200
3.00E-01	-6.700	0.300	0.000	0.285	1.000
3.00E-01	-6.700	0.300	0.000	0.275	1.000
3.00E-01	-6.800	0.300	0.000	0.275	1.000
3.00E-01	-6.800	0.300	0.000	0.275	1.000
3.00E-01	-6.800	0.300	0.000	0.276	1.000
3.00E-01	-6.800	0.300	0.000	0.275	1.000
3.00E-01	-6.800	0.300	0.000	0.274	0.600
3.00E-01	-6.800	0.300	0.000	0.273	0.000
4.00E-01	-6.800	0.400	0.000	0.366	0.000
4.00E-01	-6.800	0.400	0.000	0.364	0.000
4.00E-01	-6.800	0.400	0.000	0.360	0.000
4.00E-01	-6.800	0.500	0.000	0.437	0.000
6.00E-01	-6.700	0.700	0.000	0.620	0.000
6.00E-01	-6.700	0.700	0.000	0.635	0.000
6.00E-01	-6.700	0.700	0.000	0.637	0.000
5.00E-01	-6.700	0.600	0.000	0.546	0.000
5.00E-01	-6.700	0.600	0.000	0.541	0.000
5.00E-01	-6.700	0.600	0.000	0.540	0.000
5.00E-01	-6.700	0.600	0.000	0.542	0.000
5.00E-01	-6.700	0.600	0.000	0.546	0.000
5.00E-01	-6.700	0.600	0.000	0.547	0.000
5.00E-01	-6.700	0.600	0.000	0.549	0.000
6.00E-01	-6.700	0.600	0.000	0.551	0.000
6.00E-01	-6.700	0.600	0.000	0.550	0.000
6.00E-01	-6.700	0.600	0.000	0.551	0.000
6.00E-01	-6.700	0.700	0.000	0.643	0.000
6.00E-01	-6.700	0.700	0.000	0.642	0.000
8.00E-01	-6.700	0.900	0.000	0.812	0.000
1.20E+00	-6.700	1.300	0.000	1.157	0.000
1.50E+00	-6.700	1.700	0.000	1.516	0.000
1.70E+00	-6.700	1.900	0.000	1.686	0.000
1.80E+00	-6.700	2.000	0.000	1.756	0.000
1.90E+00	-6.700	2.200	0.000	1.947	0.000
2.10E+00	-6.700	2.400	0.000	2.140	0.000
2.20E+00	-6.700	2.400	0.000	2.163	-1.000
1.80E+00	-6.700	2.000	0.000	1.826	-1.000
1.40E+00	-6.700	1.500	0.000	1.381	-0.300
9.00E-01	-6.700	1.000	0.000	0.949	0.000
4.00E-01	-6.700	0.400	0.000	0.398	0.000

1408	33.224	62.6	293.84169	347.654857	93.734271	5	0
1416	33.53	49.4	288.331742	347.169495	93.990026	5	0
1432	33.53	52.3	280.109756	346.47238	92.583988	5	0
1448	34.16	67.8	280.315358	345.775264	91.110511	5.834906	0
1459	34.337	59.3	288.130419	345.078149	89.637033	6	0
1475	34.78	49.1	295.009646	342.808735	88.163556	5.621053	0
1487	35.278	52.1	282.650964	339.495482	86.467619	5.568966	0
1512	35.4	62.6	283.689593	336.182229	84.743905	6	0
1538	36.273	51.8	292.923205	332.868976	83.020192	5.85125	0
1566	37.019	43.5	295.473913	331.721307	81.296479	5	0
1587	37.766	53.3	286.33715	331.917916	81	5	0
1619	37.888	50.5	286.5	332.114524	81	5	0
1301	38.5	62.7	293.004414	332.311133	81	5	0
1278	38.832	65.8	299.370755	332.995051	81	5	0
1286	39.12	45.8	288.333969	334.080909	85.326098	5	0
1289	39.12	53.5	288.6	335.166768	91.010853	5	0
1298	39.12	79.5	293.853258	336.252626	96.695607	5.986436	0
1311	39.525	89.7	298.392752	342.513679	102.380362	5.614458	0
1330	40.21	90	289.591313	352.400888	111.346604	5	0
1355	40.918	58.8	290.496047	362.288097	120.714286	5.634977	0
1348	41.511	55.6	294.752795	372.175306	130.081967	6.906579	0
1346	40.99	68.8	319.949162	379.050506	139.449649	7	0
1347	40.99	86.4	290.314216	381.7833	143.16591	7	0
1345	40.99	72.8	290.6	384.516093	143.433075	6.464839	0
1346	40.99	73.3	290.6	387.248887	143.70024	6.724466	0
1326	40.37	61.4	315.161991	384.819742	143.967406	7	0
1315	39.882	65.1	290.6	376.546272	134.470033	7	0
1290	39.176	39.8	290.091364	368.272802	123.615857	7	0
1277	38.387	59.3	294.979085	359.999331	112.76168	7	0
1251	37.88	51.7	311.835655	353.906452	101.907504	7	0
1229	37.518	51.1	290.280576	350.680645	97.008008	7	0
1215	36.785	55.3	290.431095	347.454839	95.458021	7	0
1200	36.027	54.5	290.6	344.229032	93.908034	7	0
1189	36.02	71.4	304.817434	346.791329	92.358047	7	0
1189	36.02	83.5	290.379823	356.039884	102.316074	7	0
1193	36.02	87.7	290.6	365.288439	115.730996	7	0
1196	36.02	81.6	291.266667	374.536994	129.145917	7	0
1203	36.175	93.1	327.143824	383.962869	142.560838	7	0
1217	36.892	99.4	292	393.779756	167.715009	7	0
1242	37.646	78.5	292.737838	403.596643	203.705412	7.704453	0
1248	37.88	56.2	293.3	413.41353	239.695814	9.613208	0
1258	38.144	72.8	334.094118	413.116466	275.686217	10	0
1256	38.126	45.5	294	396.317694	254.651783	9.60495	0
1236	37.88	6.5	294	379.518921	216.487653	9	0
1262	37.274	44.4	294	362.720148	178.323522	9	0
1227	37.26	40.1	311.237714	345.88725	140.159391	9	0
1205	36.839	9.8	294.7	329.015715	120.603774	9	0

0.20018	0.02334	4.00308	7285.834
0.20019	0.02334	4.00486	7288.995
0.2002	0.02334	4.00667	7292.31
0.20022	0.02334	4.00838	7295.782
0.20023	0.02335	4.00996	7298.938
0.20024	0.02335	4.0114	7301.832
0.20025	0.02335	4.01286	7304.687
0.20026	0.02335	4.0144	7307.556
0.20027	0.02336	4.01609	7310.417
0.20028	0.02337	4.01777	7313.348
0.20029	0.02338	4.01917	7316.308
0.2003	0.02339	4.02082	7319.334
0.20031	0.0234	4.02255	7322.162
0.20032	0.02341	4.02425	7324.916
0.20033	0.02342	4.02596	7327.516
0.20034	0.02342	4.02792	7330.405
0.20036	0.02342	4.02943	7333.795
0.20038	0.02342	4.03162	7337.82
0.2004	0.02342	4.03571	7343.26
0.20042	0.02342	4.03889	7348.663
0.20044	0.02342	4.0403	7352.713
0.20047	0.02342	4.0412	7356.493
0.2005	0.02342	4.04305	7360.45
0.20053	0.02342	4.0456	7364.715
0.20055	0.02342	4.04786	7368.95
0.20057	0.02342	4.04951	7372.621
0.20059	0.02342	4.05087	7376.071
0.20061	0.02342	4.05202	7378.916
0.20063	0.02342	4.0533	7381.7
0.20065	0.02342	4.05448	7384.477
0.20067	0.02342	4.05597	7387
0.20069	0.02342	4.05752	7389.399
0.20071	0.02342	4.05888	7391.823
0.20073	0.02342	4.06017	7394.635
0.20076	0.02342	4.06181	7397.958
0.2008	0.02342	4.06351	7401.745
0.20085	0.02342	4.06559	7405.92
0.20092	0.02342	4.06751	7410.71
0.20103	0.02342	4.07071	7417.273
0.20113	0.02342	4.07465	7423.732
0.20123	0.02342	4.07701	7429.139
0.20132	0.02342	4.07824	7433.24
0.20139	0.02342	4.07914	7436.294
0.20145	0.02342	4.0803	7439.112
0.20149	0.02342	4.08121	7441.557
0.20151	0.02342	4.08144	7443.143
0.20152	0.02342	4.0816	7444.212

13:22:59.038	21	0	0	0.00047	0.694	0.000068	37.3
13:23:00.038	21	0	0	0.00063	0.584	0.000057	37.2
13:23:01.038	21	0	0	0.00085	0.721	0.00007	37.1
13:23:02.038	21	0	0	0.001	1.099	0.000107	36.8
13:23:03.038	21	0	0	0.00087	0.825	0.000081	36.5
13:23:04.038	21	0	0	0.0021	1.002	0.000098	37.5
13:23:05.038	21	0	0	0.00285	1.525	0.000149	38.3
13:23:06.038	21	0	0	0.00218	1.898	0.000185	37.8
13:23:07.038	21	0	0	0.00096	1.761	0.000172	37.3
13:23:08.038	21	0	0	0.00031	1.326	0.000129	37.8
13:23:09.038	21	0	0	0.00042	1.124	0.00011	38.3
13:23:10.038	21	0	0	0.00061	1.085	0.000106	38
13:23:11.038	21	0	0	0.00053	0.735	0.000072	37.7
13:23:12.038	21	0	0	0.00078	0.542	0.000053	38.5
13:23:13.038	21	0	0	0.00094	0.499	0.000049	39.2
13:23:14.038	21	0	0	0.00091	0.494	0.000048	37
13:23:15.038	21	0	0	0.00082	0.547	0.000053	35.2
13:23:16.038	21	0	0	0.00052	0.526	0.000051	30.1
13:23:17.038	21	0	0	0.00056	0.536	0.000052	25.8
13:23:18.038	21	0	0	0.00044	0.417	0.000041	23.5
13:23:19.038	21	0	0	0.0003	0.25	0.000024	21.5
13:23:20.038	21	0	0	0.00029	0.147	0.000014	19.7
13:23:21.038	21	0	0	0.00044	0.119	0.000012	18.2
13:23:22.038	21	0	0	0.0007	0.116	0.000011	18.2
13:23:23.038	21	0	0	0.00084	0.093	0.000009	18.2
13:23:24.038	21	0	0	0.00081	0.082	0.000007	18.2
13:23:25.038	21	0	0	0.00098	0.133	0.000013	18.2
13:23:26.038	21	0	0	0.00124	0.257	0.000025	18.2
13:23:27.038	21	0	0	0.00129	0.396	0.000039	18.2
13:23:28.038	21	0	0	0.00097	0.518	0.000051	9.9
13:23:29.038	21	0	0	0.00102	0.661	0.000065	2.8
13:23:30.038	21	0	0	0.00111	0.791	0.000077	3.1
13:23:31.038	21	0	0	0.00095	0.874	0.000085	3.3
13:23:32.038	21	0	0	0.00075	0.948	0.000093	1.5
13:23:33.038	21	0	0.00001	0.00066	0.985	0.000096	0
13:23:34.038	21	0	0.00001	0.00072	1.005	0.000098	0.5
13:23:35.038	21	0	0.00001	0.00064	1.002	0.000098	1
13:23:36.038	21	0	0.00001	0.00064	1.011	0.000099	0.5
13:23:37.038	21	0.00001	0.00001	0.00064	1.012	0.000099	0
13:23:38.038	21	0.00001	0.00001	0.00064	1.007	0.000098	0.9
13:23:39.038	21	0.00001	0.00001	0.00065	0.996	0.000097	1.7
13:23:40.038	21	0.00001	0.00001	0.00072	0.997	0.000097	0.8
13:23:41.038	21	0.00001	0.00001	0.00072	0.997	0.000097	0
13:23:42.038	21	0.00001	0.00001	0.00072	0.989	0.000096	0.8
13:23:43.038	21	0.00001	0.00001	0.00071	0.984	0.000096	1.5
13:23:44.038	21	0.00001	0.00001	0.00072	0.988	0.000096	0.7
13:23:45.038	21	0.00001	0.00001	0.00072	0.992	0.000097	0

0.00E+00	-6.800	0.000	0.000	0.023	0.000	1185	36.128	0.1	294.155646	312.144179	106.924528	8.421112	0
0.00E+00	-6.800	0.000	0.000	0.000	0.000	1166	35.4	1.7	294	295.272644	93.245283	8	0
0.00E+00	-6.800	0.000	0.000	0.000	0.000	1133	35.24	15.9	289.501119	285.540063	79.566038	8	0
0.00E+00	-6.800	0.000	0.000	0.000	0.000	1174	35.027	45.3	293.546652	290.977762	83.627737	7.827736	0
0.00E+00	-6.900	0.000	0.000	0.000	0.000	1193	35.73	71.5	294	296.41546	104.065693	5.623104	0
0.00E+00	-6.900	0.000	0.000	0.000	0.000	1214	36.02	58.3	294	301.853158	124.50365	0.866966	0
0.00E+00	-6.900	-0.100	0.000	0.000	0.000	1194	36.64	45.5	300.020901	303.801473	144.941606	0	0
0.00E+00	-6.900	-0.100	0.000	0.000	0.000	1200	36.64	30.5	295.5	293.305914	150.647887	0.12	0
0.00E+00	-6.900	0.000	0.000	0.000	0.000	1194	36.64	17.2	295.5	282.810355	135.15493	3.047004	0
0.00E+00	-6.900	0.000	0.000	0.000	0.000	1181	36.64	8	295.5	272.314797	119.661972	4	0
0.00E+00	-6.900	0.000	0.000	0.000	0.000	1193	36.143	20.1	282.653558	261.819238	104.169014	4.545685	0
0.00E+00	-6.900	0.000	0.000	0.000	0.000	1202	36.641	39.6	295.094097	256.98118	90.706601	5	0
0.00E+00	-6.900	0.000	0.000	0.000	0.000	1205	37.243	36.3	296.1	252.497842	88.750611	5	0
0.00E+00	-6.900	-0.100	0.000	0.000	0.000	1198	36.951	3.4	296.8	248.014505	86.794621	4.988235	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	1110	34.714	0.3	284.190421	243.531168	84.838631	4	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	959	30.793	0	291.581603	237.645652	82.218009	4	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	851	26.66	0	296.1	231.341304	69.184834	4	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	976	23.25	0.1	296.018519	225.036957	56.151659	4	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	1174	20.947	0.3	280.833745	218.732609	43.118483	4	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	1249	18.694	0	279.390725	214.000144	30.085308	4	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	1057	15.911	0	296.1	210.190848	24.985646	4	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	930	14.248	0	296.1	206.381552	21.397129	4	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	830	12.793	7.2	288.41307	202.572257	17.808612	4	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	849	11.283	34.5	265.446682	202.773314	14.220096	3.823529	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	892	9.309	27.7	295.775468	207.758651	27.319202	2.705882	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	781	6.706	33.1	296.1	212.743988	49.014963	2	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	742	4.418	46.3	296.742568	217.729326	70.710723	1.274673	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	748	2.051	46.6	269.319792	222.405706	92.406484	0	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	749	0.635	50.8	296.1	226.542263	100	0	0
0.00E+00	-7.000	-0.100	0.000	0.000	0.000	755	0	53.4	296.571763	230.678819	100	0	0
0.00E+00	-7.000	0.000	0.000	0.000	0.000	757	0	51.9	296.165023	234.815375	100	0	0
0.00E+00	-7.000	0.000	0.000	0.000	0.000	755	0	48.1	274.3	238.034603	100	0	0
1.00E-01	-7.000	0.100	0.000	0.094	0.000	752	0	46.7	296.51286	239.557687	98.499878	0	0
3.00E-01	-7.000	0.300	0.000	0.273	1.000	751	0	46.8	296.1	241.080771	95.816297	0.357061	0
3.00E-01	-7.000	0.300	0.000	0.279	1.200	750	0	46.3	296.625875	242.603855	93.132715	1	0
3.00E-01	-7.000	0.300	0.000	0.278	2.300	750	0	46.8	270.705989	243.967261	90.449134	1.809645	0
3.00E-01	-6.900	0.300	0.000	0.278	2.400	749	0	47.2	296.8	244.418674	88.147951	2.119355	0
3.00E-01	-6.900	0.300	0.000	0.278	2.000	749	0	46.8	296.522732	244.870088	86.29567	3	0
4.00E-01	-6.900	0.400	0.000	0.365	2.000	750	0	46	296.1	245.321502	84.44339	3	0
4.00E-01	-6.900	0.400	0.000	0.371	2.000	748	0	46.2	277.175554	245.772915	82.591109	3.536921	0
4.00E-01	-6.900	0.400	0.000	0.371	2.000	750	0	46.8	294.480269	245.949682	80.881943	4	0
4.00E-01	-6.900	0.400	0.000	0.371	2.000	750	0	47.1	295.5	246.108917	80.044655	4	0
4.00E-01	-6.900	0.400	0.000	0.371	2.000	752	0	46.1	295.5	246.268153	79.207368	4	0
5.00E-01	-7.000	0.500	0.000	0.464	2.000	749	0	46.6	272.097888	246.4	78.370081	4.775207	0
5.00E-01	-7.000	0.500	0.000	0.464	2.000	749	0	47.1	295.205894	246.4	77.459171	5	0
5.00E-01	-7.000	0.600	0.000	0.549	2.000	748	0	47.1	294.7	246.4	76.489944	5	0
6.00E-01	-7.000	0.600	0.000	0.556	2.000	749	0	46.7	294.13871	246.4	75.520717	5	0

0.20152	0.02342	4.08207	7444.906
0.20152	0.02342	4.0827	7445.49
0.20152	0.02342	4.08355	7446.211
0.20152	0.02342	4.08455	7447.31
0.20152	0.02342	4.08542	7448.135
0.20152	0.02342	4.08752	7449.137
0.20152	0.02342	4.09037	7450.662
0.20152	0.02342	4.09255	7452.56
0.20152	0.02342	4.09351	7454.321
0.20152	0.02342	4.09382	7455.647
0.20152	0.02342	4.09424	7456.771
0.20152	0.02342	4.09485	7457.856
0.20152	0.02342	4.09538	7458.591
0.20152	0.02342	4.09616	7459.133
0.20152	0.02342	4.0971	7459.632
0.20152	0.02342	4.09801	7460.126
0.20152	0.02342	4.09883	7460.673
0.20152	0.02342	4.09935	7461.199
0.20152	0.02342	4.09991	7461.735
0.20152	0.02342	4.10035	7462.152
0.20152	0.02342	4.10065	7462.402
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0.20152	0.02342	4.10138	7462.668
0.20152	0.02342	4.10208	7462.784
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0.20152	0.02342	4.10373	7462.959
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0.20152	0.02342	4.10595	7463.349
0.20152	0.02342	4.10724	7463.745
0.20152	0.02342	4.10821	7464.263
0.20152	0.02342	4.10923	7464.924
0.20152	0.02342	4.11034	7465.715
0.20152	0.02342	4.11129	7466.589
0.20152	0.02342	4.11204	7467.537
0.20152	0.02343	4.1127	7468.522
0.20152	0.02344	4.11342	7469.527
0.20152	0.02345	4.11406	7470.529
0.20152	0.02346	4.1147	7471.54
0.20153	0.02347	4.11534	7472.552
0.20154	0.02348	4.11598	7473.559
0.20155	0.02349	4.11663	7474.555
0.20156	0.0235	4.11735	7475.552
0.20157	0.02351	4.11807	7476.549
0.20158	0.02352	4.11879	7477.538
0.20159	0.02353	4.1195	7478.522
0.2016	0.02354	4.12022	7479.51
0.20161	0.02355	4.12094	7480.502

13:23:46.038	21	0.00001	0.00001	0.00072	0.995	0.000097	0
13:23:47.038	21	0.00001	0.00001	0.00072	0.998	0.000097	0
13:23:48.038	21	0.00001	0.00001	0.00072	0.992	0.000097	0.6
13:23:49.038	21	0.00001	0.00001	0.00072	0.993	0.000097	1.2
13:23:50.038	21	0.00001	0.00001	0.00073	1.008	0.000098	0.6
13:23:51.038	21	0.00001	0.00001	0.00073	1.01	0.000099	0
13:23:52.038	21	0.00001	0.00001	0.00072	1.003	0.000098	0
13:23:53.038	21	0.00001	0.00001	0.00073	1.004	0.000098	0
13:23:54.038	21	0.00001	0.00001	0.00075	1.042	0.000102	0.5
13:23:55.038	21	0.00002	0.00002	0.00109	1.511	0.000147	1
13:23:56.038	21	0.00003	0.00004	0.00177	2.475	0.000241	1.5
13:23:57.038	21	0.00004	0.00004	0.00245	3.489	0.00034	2
13:23:58.038	21	0.00005	0.00002	0.00341	4.291	0.000418	5
13:23:59.038	21	0.00014	0.00002	0.00297	5.034	0.00049	7.6
13:24:00.038	21	0.00018	0.00001	0.00277	5.376	0.000523	10.2
13:24:01.038	21	0.00021	0	0.00276	5.489	0.000534	12.4
13:24:02.038	21	0.00021	0	0.00227	4.566	0.000445	14.4
13:24:03.038	21	0.00017	0	0.00155	3.194	0.000311	16.1
13:24:04.038	21	0.00016	0	0.00133	2.612	0.000255	17.3
13:24:05.038	21	0.00013	0	0.00193	2.309	0.000225	18.3
13:24:06.038	21	0.00011	0	0.00164	2.303	0.000224	19.2
13:24:07.038	21	0.0001	0	0.00101	2.088	0.000203	20
13:24:08.038	21	0.00007	0	0.00056	1.423	0.000139	20.1
13:24:09.038	21	0.00004	0.00001	0.00048	0.921	0.00009	20.1
13:24:10.038	21	0.00004	0.00001	0.00071	0.821	0.00008	19.2
13:24:11.038	21	0.00003	0.00001	0.00038	0.749	0.000073	18.5
13:24:12.038	21	0.00004	0.00001	0.00031	0.856	0.000084	16
13:24:13.038	21	0.00003	0.00001	0.00021	0.514	0.00005	13.8
13:24:14.038	21	0.00002	0	0.00026	0.288	0.000028	10.5
13:24:15.038	21	0.00002	0	0.00051	0.245	0.000024	7.6
13:24:16.038	21	0.00001	0	0.00099	0.314	0.000031	4.8
13:24:17.038	21	0.00001	0	0.00137	0.508	0.00005	2.5
13:24:18.038	21	0.00003	0	0.00278	1.309	0.000128	2
13:24:19.038	21	0.00005	0	0.00598	3.35	0.000327	1.5
13:24:20.038	21	0.00005	0.00001	0.00367	3.13	0.000305	3.9
13:24:21.038	21	0.0001	0	0.0014	2.131	0.000207	6
13:24:22.038	21	0.00009	0	0.0004	1.417	0.000138	5.7
13:24:23.038	21	0.00008	0	0.0002	1.006	0.000098	5.4
13:24:24.038	21	0.00007	0	0.00029	0.746	0.000073	3.7
13:24:25.038	21	0.00007	0	0.00111	1.033	0.000101	2.3
13:24:26.038	21	0.00015	0	0.00602	3.577	0.00035	1.9
13:24:27.038	21	0.00021	0.00001	0.01138	8.457	0.000825	1.5
13:24:28.038	21	0.00048	0	0.01065	12.966	0.001262	6
13:24:29.038	21	0.00069	0	0.00586	11.083	0.001078	9.9
13:24:30.038	21	0.00049	0	0.00181	6.199	0.000603	14.6
13:24:31.038	21	0.00046	0	0.0035	5.843	0.000569	18.6
13:24:32.038	21	0.00041	0	0.00529	7.607	0.00074	21.2

6.00E-01	-7.000	0.600	0.000	0.556	2.200	750	0	46.4	272.415862	246.367407	74.55149	5	0
6.00E-01	-7.000	0.600	0.000	0.556	3.000	751	0	46.4	293.853762	246.219259	73.894077	5	0
6.00E-01	-7.000	0.600	0.000	0.556	3.000	748	0	46.7	293.157783	246.071111	73.648317	5	0
6.00E-01	-7.000	0.700	0.000	0.642	2.400	751	0	46.4	292.7	245.922963	73.402556	5	0
6.00E-01	-7.000	0.700	0.000	0.649	3.000	749	0	46.9	269.760934	245.770969	73.156795	5	0
6.00E-01	-7.000	0.700	0.000	0.649	2.000	759	0	47.5	291.73443	245.600195	72.909022	5	0
6.00E-01	-7.000	0.700	0.000	0.649	2.000	754	0	47.5	290.812689	245.429422	72.657703	5	0
7.00E-01	-7.000	0.800	0.000	0.734	2.000	750	0	48	290.971262	245.258648	72.406384	5	0
7.00E-01	-7.000	0.800	0.000	0.740	2.000	746	0.592	49	270.202431	246.089945	72.155064	5	0
8.00E-01	-7.000	0.900	0.000	0.832	2.200	886	1.554	57.3	289.854703	260.032829	73.304623	5	0
8.00E-01	-7.000	0.900	0.000	0.832	3.000	1292	3.375	72.3	289.3	273.975714	76.710949	4.880649	0
8.00E-01	-7.000	0.900	0.000	0.826	2.400	1526	6.275	74.6	288.580357	287.918599	80.117275	4	0
1.00E+00	-7.000	1.100	0.000	0.980	1.300	1565	8.851	74.7	292.761438	301.861483	83.523601	4	0
2.40E+00	-6.900	2.600	0.000	2.373	1.000	1599	10.835	70.9	286.417238	312.813088	87.920603	4.858824	0
3.00E+00	-6.900	3.300	0.000	2.954	0.800	1536	13.273	62.2	285.158435	323.447035	94.955779	5.885406	0
3.40E+00	-6.800	3.800	0.000	3.423	0.000	1667	15.401	67	284.009595	334.080982	101.990955	7	0
4.00E+00	-6.800	4.400	0.000	3.977	0.000	1774	16.658	54.1	305.626768	344.714928	109.026131	7	0
4.20E+00	-6.800	4.600	0.000	4.193	0.000	1594	17.488	53.5	281.7	337.592444	113.148874	7.909454	0
4.20E+00	-6.800	4.600	0.000	4.237	0.000	1315	18.353	69.7	281.381893	330.326762	110.244009	7.962309	0
4.10E+00	-6.800	4.400	0.000	4.065	0.400	1343	19.25	45.4	280.047636	323.06108	107.339143	7	0
3.70E+00	-6.900	4.000	0.000	3.682	0.000	1347	19.25	33.7	291.165707	315.795398	104.434277	7	0
3.60E+00	-6.900	3.900	0.000	3.561	0.000	1343	19.242	34.7	279.340392	301.160328	99.736765	7	0
3.50E+00	-6.900	3.800	0.000	3.500	0.600	1272	18.64	1.4	277.642549	285.355379	85.766176	7.784158	0
3.00E+00	-6.900	3.200	0.000	2.983	1.700	1188	17.774	0	277.400941	269.550429	71.795588	8	0
2.70E+00	-6.900	2.900	0.000	2.701	2.000	1085	16.279	0	269.546096	253.745479	57.825	8	0
2.30E+00	-6.900	2.500	0.000	2.348	2.000	884	13.263	1.3	274.417962	248.26601	46.188698	8	0
2.10E+00	-6.900	2.200	0.000	2.091	1.300	831	9.869	34	274.828053	245.665	60.685012	8	0
1.90E+00	-6.900	2.000	0.000	1.917	1.000	821	6.938	37.3	274.673591	243.06399	75.181327	8	0
1.40E+00	-6.900	1.400	0.000	1.365	0.000	755	4.793	47	264.233873	240.46298	89.677641	7.614815	0
1.10E+00	-6.900	1.100	0.000	1.071	0.000	748	3.308	49	270.021801	243.013933	104.026523	7	0
1.00E+00	-6.900	1.000	0.000	0.969	0.000	751	1.93	50	273.5	246.680518	106.236739	6.292074	0
9.00E-01	-6.900	0.900	0.000	0.867	0.000	745	1.24	53.7	272.8	250.347103	108.446955	5.138987	0
8.00E-01	-6.900	0.900	0.000	0.848	0.000	1151	1.574	59.9	268.327215	254.013689	110.657171	4	0
9.00E-01	-6.900	1.000	0.000	0.925	0.200	1583	4.676	73.8	269.547156	258.414891	112.867387	2.971429	0
1.40E+00	-6.900	1.600	0.000	1.403	1.000	1130	6.566	20	272.1	263.086423	122.155101	3.760159	0
4.00E+00	-6.900	4.500	0.000	4.014	0.200	775	5.305	29.1	271.429136	267.757956	131.89457	6.737705	0
5.00E+00	-6.900	5.500	0.000	5.000	0.000	744	3.483	41.4	271.505823	272.429489	141.634039	8	0
5.10E+00	-6.900	5.500	0.000	5.077	0.000	747	2.329	50.6	271.67369	278.853291	151.373509	8	0
4.70E+00	-6.900	5.000	0.000	4.693	0.000	743	1.444	54.4	270.8	286.346512	159.922438	8	0
3.20E+00	-6.900	3.500	0.000	3.241	0.000	802	0.651	59.9	270.130061	293.839734	168.232687	8	0
2.20E+00	-6.900	2.300	0.000	2.184	0.000	1561	3.212	97.7	273.171817	301.332955	176.542936	7.044653	0
2.00E+00	-6.900	2.200	0.000	1.994	0.400	1968	7.895	90.7	277.7736	320.600889	184.853186	4.351064	0
3.40E+00	-6.800	3.800	0.000	3.413	0.000	2206	12.754	75.6	271.144568	348.971259	217.455292	6.137778	0
5.70E+00	-6.800	6.300	0.000	5.689	0.000	2131	17.83	64.4	271.5	377.34163	253.946351	7.720848	0
6.70E+00	-6.600	7.400	0.000	6.683	0.000	1793	20.991	61.3	288.635417	405.712	290.437409	9	0
6.70E+00	-6.600	7.400	0.000	6.684	0.000	1647	23.271	84.8	313.85149	423.756524	326.928468	8.512485	0
5.40E+00	-6.600	6.100	0.000	5.387	0.000	1764	25.27	81.1	273.870099	432.037699	300.44335	7	0

0.20162	0.02356	4.12166	7481.497
0.20163	0.02357	4.12238	7482.495
0.20164	0.02358	4.1231	7483.487
0.20165	0.02359	4.12382	7484.48
0.20166	0.0236	4.12455	7485.488
0.20167	0.02361	4.12528	7486.498
0.20168	0.02362	4.126	7487.501
0.20169	0.02363	4.12673	7488.505
0.2017	0.02364	4.12748	7489.547
0.20172	0.02366	4.12857	7491.058
0.20175	0.0237	4.13034	7493.533
0.20179	0.02374	4.13279	7497.022
0.20184	0.02376	4.1362	7501.313
0.20198	0.02378	4.13917	7506.347
0.20216	0.02379	4.14194	7511.723
0.20237	0.02379	4.1447	7517.212
0.20258	0.02379	4.14697	7521.778
0.20275	0.02379	4.14852	7524.972
0.20291	0.02379	4.14985	7527.584
0.20304	0.02379	4.15178	7529.893
0.20315	0.02379	4.15342	7532.196
0.20325	0.02379	4.15443	7534.284
0.20332	0.02379	4.15499	7535.707
0.20336	0.0238	4.15547	7536.628
0.2034	0.02381	4.15618	7537.449
0.20343	0.02382	4.15656	7538.198
0.20347	0.02383	4.15687	7539.054
0.2035	0.02384	4.15708	7539.568
0.20352	0.02384	4.15734	7539.856
0.20354	0.02384	4.15785	7540.101
0.20355	0.02384	4.15884	7540.415
0.20356	0.02384	4.16021	7540.923
0.20359	0.02384	4.16299	7542.232
0.20364	0.02384	4.16897	7545.582
0.20369	0.02385	4.17264	7548.712
0.20379	0.02385	4.17404	7550.843
0.20388	0.02385	4.17444	7552.26
0.20396	0.02385	4.17464	7553.266
0.20403	0.02385	4.17493	7554.012
0.2041	0.02385	4.17604	7555.045
0.20425	0.02385	4.18206	7558.622
0.20446	0.02386	4.19344	7567.079
0.20494	0.02386	4.20409	7580.045
0.20563	0.02386	4.20995	7591.128
0.20612	0.02386	4.21176	7597.327
0.20658	0.02386	4.21526	7603.17
0.20699	0.02386	4.22055	7610.777

13:24:33.038	21	0.00028	0	0.00394	7.594	0.000738	23.5
13:24:34.038	21	0.00019	0	0.00288	8.646	0.00084	25.9
13:24:35.038	21	0.0001	0	0.00321	7.138	0.000694	28
13:24:36.038	21	0.00004	0	0.00069	4.71	0.000458	29.7
13:24:37.038	21	0.00002	0	0.00138	3.763	0.000366	31.2
13:24:38.038	21	0.00001	0	0.00224	3.628	0.000353	32
13:24:39.038	21	0	0	0.00189	3.608	0.000351	32.6
13:24:40.038	21	0	0.00001	0.00145	3.428	0.000334	33
13:24:41.038	21	0	0.00001	0.00143	2.846	0.000277	33.4
13:24:42.038	21	0	0.00001	0.00099	2.204	0.000215	33.5
13:24:43.038	21	0	0.00001	0.00067	1.753	0.000171	33.5
13:24:44.038	21	0	0.00001	0.00059	1.48	0.000144	32.8
13:24:45.038	21	0	0	0.00132	1.45	0.000142	32.2
13:24:46.038	21	0	0	0.00389	2.156	0.000211	33.6
13:24:47.038	21	0	0	0.00347	2.872	0.00028	34.8
13:24:48.038	21	0	0	0.00232	3.283	0.00032	36
13:24:49.038	21	0	0	0.00184	3.566	0.000347	37.1
13:24:50.038	21	0	0	0.00177	3.657	0.000356	36
13:24:51.038	21	0	0	0.00179	3.566	0.000347	35
13:24:52.038	21	0	0	0.00213	3.36	0.000327	35.6
13:24:53.038	21	0	0	0.00154	3.046	0.000297	36.2
13:24:54.038	21	0	0	0.00126	2.996	0.000292	35.4
13:24:55.038	21	0	0	0.00151	2.935	0.000286	34.8
13:24:56.038	21	0	0	0.00174	3.249	0.000317	33.8
13:24:57.038	21	0	0	0.00175	3.327	0.000324	33
13:24:58.038	21	0	0	0.00257	4.022	0.000392	33.4
13:24:59.038	21	0.00001	0	0.00327	4.602	0.000448	33.7
13:25:00.038	21	0.00003	0	0.00227	4.686	0.000456	34.6
13:25:01.038	21	0.00003	0	0.0015	4.055	0.000394	35.4
13:25:02.038	21	0.00004	0	0.00117	3.664	0.000356	35.9
13:25:03.038	21	0.00004	0	0.00102	3.17	0.000309	36.4
13:25:04.038	21	0.00003	0	0.00147	2.833	0.000276	37.6
13:25:05.038	21	0.00003	0	0.00174	2.611	0.000254	38.6
13:25:06.038	21	0.00003	0	0.00171	2.22	0.000216	38.9
13:25:07.038	21	0.00003	0	0.00122	1.841	0.000179	39.2
13:25:08.038	21	0.00003	0.00001	0.00068	1.45	0.000141	39.6
13:25:09.038	21	0.00003	0.00001	0.00041	1.057	0.000103	40
13:25:10.038	21	0.00003	0	0.0004	0.707	0.000069	41.1
13:25:11.038	21	0.00004	0	0.00111	0.662	0.000065	42.1
13:25:12.038	21	0.00004	0	0.00101	0.56	0.000055	41.7
13:25:13.038	21	0.00004	0	0.00119	0.456	0.000045	41.4
13:25:14.038	21	0.00003	0	0.00132	0.385	0.000038	41.6
13:25:15.038	21	0.00003	0	0.00116	0.337	0.000033	41.7
13:25:16.038	21	0.00003	0	0.001	0.298	0.000029	41.1
13:25:17.038	21	0.00004	0	0.00106	0.26	0.000026	40.6
13:25:18.038	21	0.00004	0	0.00092	0.228	0.000022	40.5
13:25:19.038	21	0.00005	0	0.0009	0.229	0.000022	40.5

3.90E+00	-6.600	4.400	0.000	3.882	0.000	1874	26.902	78.4	274.566861	440.318873	249.950739	7.844807	0
2.20E+00	-6.600	2.500	0.000	2.190	0.000	1979	28.37	83.7	274.8	448.600048	199.458128	8.399524	0
1.40E+00	-6.700	1.500	0.000	1.377	0.000	1928	30.029	53.9	339.127045	449.044679	148.965517	8	0
7.00E-01	-6.800	0.800	0.000	0.746	0.000	1720	30.746	63	277.925922	435.557675	125.679359	7.696909	0
4.00E-01	-6.900	0.400	0.000	0.370	0.000	1725	31.422	66.3	278.686667	422.070672	116.160321	6.640382	0
2.00E-01	-6.900	0.200	0.000	0.182	0.000	1752	31.67	59	279.552911	408.583668	106.641283	6	0
1.00E-01	-6.900	0.100	0.000	0.091	0.200	1767	32.29	55.1	327.498954	393.780683	97.122244	6	0
0.00E+00	-6.900	0.000	0.000	0.000	1.000	1775	32.29	44.8	281.7	375.627075	90.775758	6	0
0.00E+00	-6.900	0.000	0.000	0.000	1.000	1483	32.29	32.8	282.65675	357.473468	85.977778	6	0
0.00E+00	-6.900	0.000	0.000	0.000	1.000	1359	32.29	11.2	284.997541	339.31986	81.179798	6	0
0.00E+00	-7.000	-0.100	0.000	0.000	1.000	1358	32.29	39.6	298.330321	329.560104	76.381818	6	0
0.00E+00	-7.100	-0.200	0.000	0.000	0.600	1373	32.29	54.7	284.860294	331.632642	80.029433	6	0
0.00E+00	-7.200	-0.500	0.000	0.000	0.000	1401	32.692	64	285.560714	333.705181	87.093242	5.184211	0
0.00E+00	-7.300	-0.500	0.000	0.000	0.000	1424	33.435	59.1	286.921687	335.77772	94.157052	2.198573	0
0.00E+00	-7.300	-0.500	0.000	0.000	0.000	1446	34.16	60	311.553971	338.395971	101.220862	1	0
0.00E+00	-7.300	-0.300	0.000	0.000	0.000	1461	34.354	61.6	288.786527	343.697573	102.964286	2.105	0
0.00E+00	-7.300	-0.300	0.000	0.000	0.000	1474	34.78	66.5	289.710608	348.999175	98.586406	3	0
0.00E+00	-7.300	-0.200	0.000	0.000	0.000	1482	34.78	71.6	291.298361	354.300778	94.208525	3.311033	0
0.00E+00	-7.300	-0.200	0.000	0.000	0.000	1484	35.257	59.2	316.468493	359.60238	89.830645	4	0
0.00E+00	-7.300	-0.200	0.000	0.000	0.000	1477	34.805	43.3	296.236908	356.579075	85.939024	4	0
0.00E+00	-7.300	-0.100	0.000	0.000	0.000	1447	34.047	52.9	294.093064	352.880779	85.45122	4.93179	0
0.00E+00	-7.300	-0.100	0.000	0.000	0.000	1426	33.53	62.4	294.7	349.182482	84.963415	5	0
0.00E+00	-7.300	-0.100	0.000	0.000	0.000	1404	33.135	69.7	309.549493	345.484185	84.47561	4.62579	0
0.00E+00	-7.300	-0.100	0.000	0.000	0.000	1388	32.383	62.2	301.541357	351.123445	84.313885	4.60119	0
0.00E+00	-7.300	-0.100	0.000	0.000	0.000	1391	32.91	76.8	296.8	358.882272	96.869276	5	0
0.00E+00	-7.300	-0.100	0.000	0.000	0.000	1410	33.053	80.3	297.055294	366.6411	109.424668	4.008216	0
2.00E-01	-7.300	0.200	0.000	0.172	0.000	1434	33.804	78.1	313.45	374.399928	121.980059	4	0
5.00E-01	-7.300	0.600	0.000	0.521	0.000	1456	34.625	71.9	310.777882	374.260886	134.535451	4	0
7.00E-01	-7.300	0.800	0.000	0.711	0.000	1480	34.78	52.6	298.8	369.906417	126.671609	4.675824	0
9.00E-01	-7.200	1.000	0.000	0.902	0.000	1498	35.462	55	298.8	365.551948	118.023227	5.839286	0
9.00E-01	-7.200	1.000	0.000	0.911	0.000	1525	36.02	51.5	312.975841	361.197479	109.374846	5.734568	0
9.00E-01	-7.200	1.000	0.000	0.915	0.000	1559	36.465	46.6	308.988042	349.963106	100.726464	5	0
9.00E-01	-7.200	1.000	0.000	0.918	0.000	1582	37.104	44.2	298.8	336.119115	95.703565	5.544177	0
9.00E-01	-7.200	1.000	0.000	0.920	0.000	1534	37.817	15.2	298.290865	322.275123	91.013133	6	0
1.00E+00	-7.200	1.100	0.000	1.006	0.200	1233	37.88	12.2	298.24875	308.431131	86.322702	6	0
1.30E+00	-7.200	1.400	0.000	1.287	1.000	1251	38.136	12.7	298.812867	295.411756	81.63227	7	0
1.40E+00	-7.300	1.500	0.000	1.406	0.800	1248	38.5	13.5	297.888889	283.376132	79.003312	7	0
1.40E+00	-7.300	1.500	0.000	1.433	0.000	1258	38.5	4.1	297.532534	271.340509	77.47465	6.290611	0
1.40E+00	-7.300	1.500	0.000	1.439	0.000	1267	38.5	15.5	292.272727	259.304885	75.945987	6	0
1.40E+00	-7.300	1.500	0.000	1.445	0.000	1262	38.5	11.2	284.527685	249.854607	74.417325	5.743772	0
1.50E+00	-7.300	1.600	0.000	1.545	0.000	1262	38.5	9.2	296.1	242.734087	72.389217	5	0
1.50E+00	-7.300	1.600	0.000	1.546	0.000	1255	38.5	1	296.1	235.613567	70.17356	5	0
1.70E+00	-7.300	1.800	0.000	1.725	0.000	1250	38.5	0	295.552983	228.493048	67.957903	5	0
2.10E+00	-7.300	2.200	0.000	2.091	0.000	1241	37.88	0	270.427961	222.352281	65.742245	4	0
2.20E+00	-7.300	2.300	0.000	2.214	0.000	1232	37.563	0	295.127517	217.886918	59.195565	4	0
2.20E+00	-7.300	2.300	0.000	2.228	0.000	1220	37.26	0	294.7	213.421554	50.467091	4	0
2.20E+00	-7.300	2.300	0.000	2.235	0.000	1216	37.26	8.5	294.118039	208.956191	41.738618	4	0

0.20727	0.02386	4.22449	7618.371
0.20746	0.02386	4.22737	7627.017
0.20756	0.02386	4.23058	7634.155
0.2076	0.02386	4.23127	7638.865
0.20762	0.02386	4.23265	7642.628
0.20763	0.02386	4.23489	7646.256
0.20763	0.02386	4.23678	7649.864
0.20763	0.02387	4.23823	7653.292
0.20763	0.02388	4.23966	7656.138
0.20763	0.02389	4.24065	7658.342
0.20763	0.0239	4.24132	7660.095
0.20763	0.02391	4.24191	7661.575
0.20763	0.02391	4.24323	7663.025
0.20763	0.02391	4.24712	7665.181
0.20763	0.02391	4.25059	7668.053
0.20763	0.02391	4.25291	7671.336
0.20763	0.02391	4.25475	7674.902
0.20763	0.02391	4.25652	7678.559
0.20763	0.02391	4.25831	7682.125
0.20763	0.02391	4.26044	7685.485
0.20763	0.02391	4.26198	7688.531
0.20763	0.02391	4.26324	7691.527
0.20763	0.02391	4.26475	7694.462
0.20763	0.02391	4.26649	7697.711
0.20763	0.02391	4.26824	7701.038
0.20763	0.02391	4.27081	7705.06
0.20764	0.02391	4.27408	7709.662
0.20767	0.02391	4.27635	7714.348
0.2077	0.02391	4.27785	7718.403
0.20774	0.02391	4.27902	7722.067
0.20778	0.02391	4.28004	7725.237
0.20781	0.02391	4.28151	7728.07
0.20784	0.02391	4.28325	7730.681
0.20787	0.02391	4.28496	7732.901
0.2079	0.02391	4.28618	7734.742
0.20793	0.02392	4.28686	7736.192
0.20796	0.02393	4.28727	7737.249
0.20799	0.02393	4.28767	7737.956
0.20803	0.02393	4.28878	7738.618
0.20807	0.02393	4.28979	7739.178
0.20811	0.02393	4.29098	7739.634
0.20814	0.02393	4.2923	7740.019
0.20817	0.02393	4.29346	7740.356
0.2082	0.02393	4.29446	7740.654
0.20824	0.02393	4.29552	7740.914
0.20828	0.02393	4.29644	7741.142
0.20833	0.02393	4.29734	7741.371

13:25:20.038	21	0.00006	0	0.00079	0.159	0.000016	39.6
13:25:21.038	21	0.00005	0	0.00091	0.124	0.000012	38.9
13:25:22.038	21	0.00004	0	0.00149	0.185	0.000018	38.5
13:25:23.038	21	0.00004	0	0.00195	0.364	0.000036	38.2
13:25:24.038	21	0.00004	0	0.00203	0.577	0.000057	37.7
13:25:25.038	21	0.00005	0	0.0016	0.723	0.000071	37.3
13:25:26.038	21	0.00006	0	0.00136	0.719	0.00007	38.5
13:25:27.038	21	0.00006	0	0.00148	0.652	0.000064	39.5
13:25:28.038	21	0.00006	0	0.00168	0.749	0.000073	37.7
13:25:29.038	21	0.00005	0	0.00191	0.872	0.000085	36.2
13:25:30.038	21	0.00005	0	0.00147	0.927	0.000091	36.6
13:25:31.038	21	0.00007	0	0.00135	1.254	0.000122	36.9
13:25:32.038	21	0.00009	0	0.00091	1.307	0.000128	36.6
13:25:33.038	21	0.00008	0.00001	0.00047	0.876	0.000086	36.4
13:25:34.038	21	0.00007	0.00001	0.00064	0.572	0.000056	36.1
13:25:35.038	21	0.00006	0	0.0008	0.411	0.00004	35.8
13:25:36.038	21	0.00005	0	0.00089	0.372	0.000036	36.8
13:25:37.038	21	0.00004	0	0.0009	0.389	0.000038	37.7
13:25:38.038	21	0.00004	0	0.00082	0.415	0.000041	38.5
13:25:39.038	21	0.00004	0	0.00067	0.362	0.000035	39.1
13:25:40.038	21	0.00004	0	0.00053	0.282	0.000028	38.2
13:25:41.038	21	0.00005	0	0.00052	0.229	0.000022	37.5
13:25:42.038	21	0.00006	0	0.00066	0.219	0.000021	37.7
13:25:43.038	21	0.00004	0	0.00077	0.112	0.000011	37.9
13:25:44.038	21	0.00003	0	0.00095	0.086	0.000008	38.6
13:25:45.038	21	0.00002	0	0.00119	0.186	0.000018	39.2
13:25:46.038	21	0.00002	0	0.00182	0.372	0.000037	39.2
13:25:47.038	21	0.00002	0	0.00141	0.465	0.000046	39.2
13:25:48.038	21	0.00002	0	0.00094	0.441	0.000043	39.5
13:25:49.038	21	0.00002	0	0.00062	0.335	0.000033	39.7
13:25:50.038	21	0.00002	0	0.00044	0.212	0.000021	39.5
13:25:51.038	21	0.00002	0	0.00041	0.137	0.000013	39.4
13:25:52.038	21	0.00002	0	0.00055	0.091	0.000009	39
13:25:53.038	21	0.00002	0	0.0007	0.064	0.000006	38.7
13:25:54.038	21	0.00001	0	0.00082	0.047	0.000006	38.1
13:25:55.038	21	0.00001	0	0.0008	0.038	0.000006	37.5
13:25:56.038	21	0.00001	0	0.00071	0.038	0.000006	37
13:25:57.038	21	0.00001	0	0.00065	0.033	0.000006	36.5
13:25:58.038	21	0.00001	0	0.00064	0.031	0.000006	36
13:25:59.038	21	0.00001	0	0.00065	0.034	0.000006	35.6
13:26:00.038	21	0.00001	0	0.00104	0.055	0.00001	34.2
13:26:01.038	21	0.00001	0	0.0011	0.066	0.000011	33.1
13:26:02.038	21	0.00001	0	0.0017	0.123	0.000012	33.8
13:26:03.038	21	0.00001	0	0.00278	0.447	0.000044	34.3
13:26:04.038	21	0.00001	0	0.00355	1.037	0.000102	33.7
13:26:05.038	21	0.00003	0	0.00308	1.554	0.000152	33.1
13:26:06.038	21	0.00005	0	0.002	1.665	0.000163	34.3

2.20E+00	-7.300	2.300	0.000	2.248	0.000
2.20E+00	-7.400	2.200	0.000	2.152	0.000
2.00E+00	-7.400	2.000	0.000	1.969	0.000
1.80E+00	-7.400	1.900	0.000	1.840	0.000
1.90E+00	-7.400	2.000	0.000	1.910	0.000
2.20E+00	-7.300	2.300	0.000	2.188	0.000
2.30E+00	-7.300	2.400	0.000	2.295	0.000
2.50E+00	-7.300	2.600	0.000	2.485	0.000
2.50E+00	-7.300	2.600	0.000	2.479	0.000
2.50E+00	-7.300	2.700	0.000	2.543	0.000
3.00E+00	-7.300	3.200	0.000	2.966	0.000
3.20E+00	-7.300	3.400	0.000	3.169	0.000
3.40E+00	-7.300	3.600	0.000	3.380	0.300
3.50E+00	-7.300	3.700	0.000	3.518	1.000
3.20E+00	-7.300	3.300	0.000	3.196	1.000
3.10E+00	-7.300	3.200	0.000	3.086	0.700
3.00E+00	-7.300	3.100	0.000	2.995	0.000
2.90E+00	-7.300	3.000	0.000	2.892	0.000
2.90E+00	-7.300	3.000	0.000	2.886	0.000
2.90E+00	-7.300	3.000	0.000	2.896	0.000
2.90E+00	-7.300	3.000	0.000	2.910	0.000
2.80E+00	-7.300	2.900	0.000	2.839	0.000
2.40E+00	-7.300	2.400	0.000	2.379	0.000
1.90E+00	-7.300	1.900	0.000	1.878	0.000
1.70E+00	-7.300	1.700	0.000	1.675	0.000
1.30E+00	-7.300	1.300	0.000	1.275	0.000
1.30E+00	-7.300	1.300	0.000	1.253	0.000
1.30E+00	-7.300	1.400	0.000	1.335	0.000
1.30E+00	-7.300	1.400	0.000	1.344	0.000
1.40E+00	-7.300	1.400	0.000	1.353	0.000
1.40E+00	-7.300	1.400	0.000	1.359	0.000
1.40E+00	-7.300	1.400	0.000	1.365	0.000
1.30E+00	-7.300	1.300	0.000	1.278	0.000
1.20E+00	-7.300	1.200	0.000	1.196	0.000
1.00E+00	-7.300	1.000	0.000	1.009	0.000
1.00E+00	-7.300	1.000	0.000	0.991	0.000
8.00E-01	-7.300	0.800	0.000	0.803	0.000
7.00E-01	-7.300	0.700	0.000	0.695	0.000
7.00E-01	-7.300	0.700	0.000	0.695	0.000
6.00E-01	-7.300	0.600	0.000	0.596	0.000
5.00E-01	-7.300	0.500	0.000	0.497	0.000
5.00E-01	-7.300	0.500	0.000	0.497	0.000
5.00E-01	-7.300	0.500	0.000	0.497	0.000
5.00E-01	-7.300	0.500	0.000	0.485	0.000
5.00E-01	-7.300	0.500	0.000	0.475	0.000
1.20E+00	-7.300	1.300	0.000	1.196	0.000
1.90E+00	-7.300	2.100	0.000	1.927	0.000

1213	36.64	24.5	253.423798	205.749877	33.010144	3.115099	0
1209	36.64	38.1	294.498291	206.855528	32.948485	2.841584	0
1198	36.64	19.6	294	207.961179	44.564646	1	0
1190	36.123	15.9	293.457803	209.06683	56.180808	1	0
1179	35.972	24.6	252.560753	210.824653	67.79697	1	0
1171	35.4	33.1	293.789845	216.110889	75.767662	1	0
1191	35.4	48.2	293.041647	221.397125	79.560929	1	0
1182	35.4	46.5	293.082695	226.683362	83.354196	1	0
1177	35.4	32.4	266.114482	231.437707	87.147463	1	0
1139	35.318	15.6	293.258678	226.294706	88.206931	1	0
1113	34.78	5.3	292.7	221.151706	80.976814	2	0
1106	34.78	10.8	292.7	216.008705	73.746697	2.371462	0
1126	34.78	20.5	256.469394	210.981568	66.516579	3.630229	0
1146	34.845	30.7	292	207.621079	61.732801	4	0
1145	35.4	17.5	291.804843	204.260591	64.824787	4	0
1134	35.4	0	290.825943	200.900102	67.916774	4	0
1137	36.02	0	244.476046	197.428892	71.008761	4	0
1143	36.02	0	290	193.260217	68.78539	4	0
1150	36.02	0	289.876905	189.091542	56.946599	4	0
1143	36.02	0	289.056272	184.922867	45.107809	3	0
1136	36.02	0	248.476382	180.754193	33.269018	3	0
1147	36.02	6.2	288.6	182.688788	32.813435	3	0
1218	36.02	40.4	288.05697	184.703772	50.46482	3	0
1203	36.503	14.9	287.2	186.718755	68.116205	1.950662	0
1211	36.653	4.9	239.939539	188.004321	85.76759	1	0
1219	37.26	0	286.418831	183.731225	93.595409	1	0
1227	37.369	0	285.724387	179.458128	79.248207	0.058824	0
1233	37.88	0	285.2	175.185032	64.901004	0	0
1230	37.88	0	243.292885	170.911936	50.553802	0	0
1213	37.28	0	279.692226	168.27051	37.271599	0	0
1206	37.26	0	283.8	165.757576	31.444388	0	0
1191	36.482	0	282.5	163.244642	25.617178	0.008333	0
1173	36.02	0	249.103261	160.731707	19.789967	1	0
1141	35.378	0	278.472464	158.947537	14.632653	1	0
1082	34.16	0	280.323077	157.274193	12.568906	0.192807	0
1062	34.038	0	280.210175	155.600848	10.505159	0	0
1048	33.283	0	258.094583	153.927504	8.441413	0	0
1036	32.91	0	250.800652	152.895312	6.377666	0	0
1030	32.91	0	277.766707	152.247811	6.212208	0	0
1022	32.291	3.6	276.377544	151.600311	6.471948	0	0
1065	32.29	22.5	252.559583	150.95281	6.731688	0	0
1114	32.778	47.4	258.466667	162.860046	6.991429	0	0
1122	32.91	58.9	274.286475	178.645448	28.18974	0	0
1137	33.53	62.6	273.5	194.430849	50.102604	0	0
1151	33.941	61.2	255.218719	210.21625	72.015468	0	0
1159	34.16	54.7	267.953483	210.763317	91.428846	0	0
1122	34.16	38.2	270.256479	209.369087	84.938462	0	0

0.20839	0.02393	4.29813	7741.53
0.20844	0.02393	4.29904	7741.654
0.20848	0.02393	4.30053	7741.839
0.20852	0.02393	4.30248	7742.203
0.20856	0.02393	4.30451	7742.78
0.20861	0.02393	4.30611	7743.503
0.20867	0.02393	4.30747	7744.222
0.20873	0.02393	4.30895	7744.874
0.20879	0.02393	4.31063	7745.623
0.20884	0.02393	4.31254	7746.495
0.20889	0.02393	4.31401	7747.422
0.20896	0.02393	4.31536	7748.676
0.20905	0.02393	4.31627	7749.983
0.20913	0.02394	4.31674	7750.859
0.2092	0.02395	4.31738	7751.431
0.20926	0.02395	4.31818	7751.842
0.20931	0.02395	4.31907	7752.214
0.20935	0.02395	4.31997	7752.603
0.20939	0.02395	4.32079	7753.018
0.20943	0.02395	4.32146	7753.38
0.20947	0.02395	4.32199	7753.662
0.20952	0.02395	4.32251	7753.891
0.20958	0.02395	4.32317	7754.11
0.20962	0.02395	4.32394	7754.222
0.20965	0.02395	4.32489	7754.308
0.20967	0.02395	4.32608	7754.494
0.20969	0.02395	4.3279	7754.866
0.20971	0.02395	4.32931	7755.331
0.20973	0.02395	4.33025	7755.772
0.20975	0.02395	4.33087	7756.107
0.20977	0.02395	4.33131	7756.319
0.20979	0.02395	4.33172	7756.456
0.20981	0.02395	4.33227	7756.547
0.20983	0.02395	4.33297	7756.611
0.20984	0.02395	4.33379	7756.658
0.20985	0.02395	4.33459	7756.696
0.20986	0.02395	4.3353	7756.734
0.20987	0.02395	4.33595	7756.767
0.20988	0.02395	4.33659	7756.798
0.20989	0.02395	4.33724	7756.832
0.2099	0.02395	4.33828	7756.887
0.20991	0.02395	4.33938	7756.953
0.20992	0.02395	4.34108	7757.076
0.20993	0.02395	4.34386	7757.523
0.20994	0.02395	4.34741	7758.56
0.20997	0.02395	4.35049	7760.114
0.21002	0.02395	4.35249	7761.779

13:26:07.038	21	0.00006	0	0.00135	1.763	0.000172	35.3
13:26:08.038	21	0.00006	0	0.0009	1.526	0.000149	35.3
13:26:09.038	21	0.00005	0.00001	0.00069	1.257	0.000122	35.3
13:26:10.038	21	0.00005	0.00001	0.00036	1.025	0.0001	34.5
13:26:11.038	21	0.00007	0.00002	0.00042	1.124	0.00011	33.8
13:26:12.038	21	0.00006	0.00001	0.00022	0.741	0.000072	33.6
13:26:13.038	21	0.00005	0	0.00045	0.459	0.000045	33.4
13:26:14.038	21	0.00003	0	0.00087	0.305	0.00003	34.2
13:26:15.038	21	0.00002	0	0.00103	0.251	0.000025	34.8
13:26:16.038	21	0.00002	0	0.00091	0.245	0.000024	35.9
13:26:17.038	21	0.00002	0	0.00069	0.259	0.000025	36.8
13:26:18.038	21	0.00002	0	0.00082	0.278	0.000027	35.8
13:26:19.038	21	0.00002	0	0.00083	0.278	0.000027	34.9
13:26:20.038	21	0.00002	0	0.0007	0.242	0.000024	34.4
13:26:21.038	21	0.00002	0	0.00058	0.189	0.000019	33.9
13:26:22.038	21	0.00002	0	0.00069	0.14	0.000014	34.1
13:26:23.038	21	0.00002	0	0.00055	0.099	0.00001	34.3
13:26:24.038	21	0.00002	0	0.00063	0.072	0.000007	34.2
13:26:25.038	21	0.00001	0	0.00068	0.058	0.000005	34.2
13:26:26.038	21	0.00001	0	0.00066	0.049	0.000005	32.9
13:26:27.038	21	0.00001	0	0.00069	0.048	0.000006	31.8
13:26:28.038	21	0.00001	0	0.00063	0.045	0.000006	31.1
13:26:29.038	21	0.00001	0	0.0005	0.036	0.000006	30.4
13:26:30.038	21	0.00001	0	0.00053	0.031	0.000006	28.1
13:26:31.038	21	0.00002	0	0.00115	0.064	0.000012	26.1
13:26:32.038	21	0.00002	0	0.00216	0.114	0.000017	23.8
13:26:33.038	21	0.00002	0	0.00444	0.679	0.000067	21.9
13:26:34.038	21	0.00003	0	0.00913	2.576	0.000253	22.1
13:26:35.038	21	0.0002	0	0.00725	4.528	0.000442	22.3
13:26:36.038	21	0.00031	0	0.0051	5.677	0.000553	23.8
13:26:37.038	21	0.0003	0	0.00323	5.119	0.000498	25
13:26:38.038	21	0.00024	0	0.00157	3.806	0.00037	25.8
13:26:39.038	21	0.00023	0.00002	0.00078	3.073	0.000299	26.5
13:26:40.038	21	0.00019	0.00004	0.00193	2.952	0.000288	27.7
13:26:41.038	21	0.00015	0.00002	0.00179	2.84	0.000277	28.8
13:26:42.038	21	0.00014	0.00001	0.00161	2.842	0.000277	29.3
13:26:43.038	21	0.00013	0.00002	0.00163	2.707	0.000264	29.8
13:26:44.038	21	0.00013	0.00003	0.00167	2.549	0.000249	30.6
13:26:45.038	21	0.00013	0.00005	0.00167	2.454	0.000239	31.2
13:26:46.038	21	0.00011	0.00005	0.00178	2.18	0.000213	31.8
13:26:47.038	21	0.0001	0.00004	0.00207	1.928	0.000188	32.3
13:26:48.038	21	0.00009	0.00004	0.00188	1.86	0.000182	33.5
13:26:49.038	21	0.00009	0.00004	0.00156	1.777	0.000173	34.6
13:26:50.038	21	0.00007	0.00003	0.00109	1.401	0.000137	34.8
13:26:51.038	21	0.00006	0.00002	0.00072	0.935	0.000091	35
13:26:52.038	21	0.00005	0	0.00048	0.654	0.000064	35.1
13:26:53.038	21	0.00005	0	0.00047	0.445	0.000044	35.2

2.40E+00	-7.200	2.600	0.000	2.359	0.000	1092	34.074	9	269.5	207.974856	78.448077	1.731272	0
2.80E+00	-7.200	3.100	0.000	2.826	0.400	1060	33.53	5.3	253.795931	206.580625	71.957692	3.54432	0
2.80E+00	-7.100	3.100	0.000	2.849	1.600	1043	33.071	0.6	258.53819	201.089569	65.467308	5.49702	0
2.90E+00	-7.100	3.100	0.000	2.871	2.700	1038	32.91	4	267.363164	194.060091	58.008538	6	0
2.90E+00	-7.100	3.100	0.000	2.915	3.000	1064	32.91	16.6	266.482619	187.030612	50.474636	6	0
2.50E+00	-7.100	2.600	0.000	2.511	1.600	1080	33.257	23.8	243.539523	180.001134	42.940733	6	0
2.10E+00	-7.200	2.100	0.000	2.050	0.300	1098	33.53	25	252.378613	175.833349	35.406831	5.472941	0
1.50E+00	-7.300	1.500	0.000	1.476	0.000	1097	33.53	15.9	263.617864	172.579192	40.657895	4.408506	0
1.30E+00	-7.300	1.300	0.000	1.263	0.000	1069	33.53	0.3	263.3	169.325036	46.638756	4	0
1.30E+00	-7.300	1.300	0.000	1.261	0.000	1056	33.53	0	249.665399	166.070879	52.619617	3	0
1.30E+00	-7.300	1.300	0.000	1.259	0.000	1048	33.53	0	236.514286	162.795131	58.600478	3	0
1.30E+00	-7.300	1.300	0.000	1.256	0.000	1041	33.153	0	260.806726	159.501575	53.072822	2.607315	0
1.40E+00	-7.300	1.400	0.000	1.352	0.000	1032	32.91	0.1	259.929136	156.208019	44.02951	2	0
1.50E+00	-7.300	1.500	0.000	1.452	0.000	1021	32.87	3.5	258.61692	152.914463	34.986197	1.17849	0
1.50E+00	-7.300	1.500	0.000	1.458	0.000	1018	32.29	1.1	218.249413	150.192075	25.942884	1	0
1.50E+00	-7.300	1.500	0.000	1.463	0.000	1006	32.007	0	257.517841	148.493962	20.273605	1	0
1.40E+00	-7.400	1.400	0.000	1.375	0.000	996	31.67	0	256.776706	146.795849	17.212621	0.649412	0
1.30E+00	-7.400	1.300	0.000	1.274	0.000	985	31.19	0	255.993936	145.097736	14.151636	0	0
1.10E+00	-7.400	1.100	0.000	1.102	0.000	967	31.021	0	201.630625	143.454393	11.090652	0	0
9.00E-01	-7.400	0.900	0.000	0.901	0.000	954	29.555	0	254.3	142.220434	8.671417	0	0
8.00E-01	-7.400	0.800	0.000	0.803	0.000	1076	28.304	0	254.033527	140.986476	7.63488	0	0
7.00E-01	-7.400	0.700	0.000	0.703	0.000	1160	27.569	0	253.265714	139.752517	6.598342	0	0
7.00E-01	-7.400	0.700	0.000	0.695	0.000	1036	25.54	0	201.610014	138.990075	5.561804	0	0
6.00E-01	-7.400	0.600	0.000	0.603	0.000	1005	22.745	0	251.6	144.900307	10.773109	0	0
6.00E-01	-7.400	0.600	0.000	0.596	0.000	1276	20.805	19.4	251.025181	150.810538	23.378151	0	0
6.00E-01	-7.400	0.600	0.000	0.596	0.000	1475	20.49	47.4	249.681743	156.720769	35.983193	0	0
5.00E-01	-7.300	0.500	0.000	0.493	0.000	1521	21.478	68.7	227.584688	176.840089	48.588235	0	0
6.00E-01	-7.300	0.600	0.000	0.558	0.000	1612	22.655	77.4	247.810911	212.414388	59.02695	0	0
3.30E+00	-7.300	3.600	0.000	3.289	0.000	1712	24.599	79.2	246.616647	247.988688	69.192435	0	0
4.90E+00	-7.000	5.400	0.000	4.898	0.000	1807	25.68	71.4	248.666456	283.562987	79.35792	6.337714	0
5.30E+00	-7.000	5.900	0.000	5.313	0.000	1888	26.958	45.4	262.868333	301.743448	89.523404	7.17619	0
5.40E+00	-7.000	6.000	0.000	5.429	0.000	1683	27.673	47.9	243.179208	298.492217	89.842132	8.335147	0
5.40E+00	-7.000	5.900	0.000	5.427	1.300	1560	28.443	55.6	242.053395	295.240985	85.04294	8.475034	0
4.40E+00	-7.000	4.800	0.000	4.390	2.800	1592	28.57	58	241.334306	291.989754	80.243748	7.245634	0
3.90E+00	-7.000	4.200	0.000	3.883	1.600	1628	29.431	57.7	257.033333	287.766906	75.444557	6.88092	0
3.70E+00	-7.000	4.000	0.000	3.685	1.000	1664	30.148	52	239.990991	282.011511	73.169834	6	0
3.50E+00	-7.100	3.800	0.000	3.510	1.300	1688	30.83	43.6	239.041412	276.256115	71.982185	6	0
3.40E+00	-7.100	3.700	0.000	3.433	3.000	1718	31.05	41.7	238.8	270.500719	70.794537	6	0
3.20E+00	-7.100	3.400	0.000	3.187	4.000	1763	31.765	47.2	250.892292	264.717952	69.606888	6	0
2.90E+00	-7.100	3.100	0.000	2.906	4.000	1643	32.716	44.8	236.9	258.837	68.655634	5.860302	0
2.80E+00	-7.100	3.000	0.000	2.804	4.000	1422	33.794	40.8	236.606064	252.956048	67.951408	4.827751	0
2.80E+00	-7.100	3.000	0.000	2.800	4.000	1439	34.16	18.1	236.1	247.075095	67.247183	4.385482	0
2.80E+00	-7.100	3.000	0.000	2.799	4.000	1444	34.16	5.2	238.298481	241.079103	66.542958	4.356511	0
2.80E+00	-7.100	3.000	0.000	2.812	3.700	1419	34.106	0	235.5	228.807048	64.030713	4.840749	0
2.80E+00	-7.200	2.900	0.000	2.758	2.300	1416	33.53	0	235.5	216.534993	55.431204	5	0
2.70E+00	-7.200	2.800	0.000	2.691	0.700	1409	33.53	0	235.23683	204.262937	46.831695	5	0
2.50E+00	-7.200	2.600	0.000	2.521	0.000	1413	33.53	0	218.956528	191.990882	38.232187	5	0

0.21008	0.02395	4.35384	7763.542
0.21014	0.02395	4.35474	7765.068
0.21019	0.02396	4.35543	7766.325
0.21024	0.02397	4.35579	7767.35
0.21031	0.02399	4.35621	7768.474
0.21037	0.024	4.35643	7769.215
0.21042	0.024	4.35688	7769.674
0.21045	0.024	4.35775	7769.979
0.21047	0.024	4.35878	7770.23
0.21049	0.024	4.35969	7770.475
0.21051	0.024	4.36038	7770.734
0.21053	0.024	4.3612	7771.012
0.21055	0.024	4.36203	7771.29
0.21057	0.024	4.36273	7771.532
0.21059	0.024	4.36331	7771.721
0.21061	0.024	4.364	7771.861
0.21063	0.024	4.36455	7771.96
0.21065	0.024	4.36518	7772.032
0.21066	0.024	4.36586	7772.09
0.21067	0.024	4.36652	7772.139
0.21068	0.024	4.36721	7772.187
0.21069	0.024	4.36784	7772.232
0.2107	0.024	4.36834	7772.268
0.21071	0.024	4.36887	7772.299
0.21073	0.024	4.37002	7772.363
0.21075	0.024	4.37218	7772.477
0.21077	0.024	4.37662	7773.156
0.2108	0.024	4.38575	7775.732
0.211	0.024	4.393	7780.26
0.21131	0.024	4.3981	7785.937
0.21161	0.024	4.40133	7791.056
0.21185	0.024	4.4029	7794.862
0.21208	0.02402	4.40368	7797.935
0.21227	0.02406	4.40561	7800.887
0.21242	0.02408	4.4074	7803.727
0.21256	0.02409	4.40901	7806.569
0.21269	0.02411	4.41064	7809.276
0.21282	0.02414	4.41231	7811.825
0.21295	0.02419	4.41398	7814.279
0.21306	0.02424	4.41576	7816.459
0.21316	0.02428	4.41783	7818.387
0.21325	0.02432	4.41971	7820.247
0.21334	0.02436	4.42127	7822.024
0.21341	0.02439	4.42236	7823.425
0.21347	0.02441	4.42308	7824.36
0.21352	0.02441	4.42356	7825.014
0.21357	0.02441	4.42403	7825.459

13:26:54.038	21	0.00004	0	0.0003	0.288	0.000028	34.8
13:26:55.038	21	0.00004	0	0.00059	0.178	0.000018	34.4
13:26:56.038	21	0.00003	0	0.00073	0.111	0.000011	34.1
13:26:57.038	21	0.00003	0	0.00051	0.078	0.000008	33.8
13:26:58.038	21	0.00002	0	0.00077	0.056	0.000008	34.2
13:26:59.038	21	0.00002	0	0.00084	0.043	0.000008	34.5
13:27:00.038	21	0.00002	0	0.00082	0.037	0.000007	34.1
13:27:01.038	21	0.00002	0	0.00075	0.036	0.000007	33.8
13:27:02.038	21	0.00002	0	0.00069	0.036	0.000007	32.2
13:27:03.038	21	0.00001	0	0.00069	0.031	0.000007	30.8
13:27:04.038	21	0.00001	0	0.00066	0.03	0.000007	30.5
13:27:05.038	21	0.00001	0	0.00061	0.028	0.000006	30.2
13:27:06.038	21	0.00001	0	0.00058	0.026	0.000006	29.5
13:27:07.038	21	0.00001	0	0.0006	0.027	0.000006	28.9
13:27:08.038	21	0.00001	0	0.00069	0.031	0.000007	27
13:27:09.038	21	0.00001	0	0.00066	0.029	0.000007	25.3
13:27:10.038	21	0.00001	0	0.00053	0.026	0.000006	23.7
13:27:11.038	21	0.00001	0	0.00051	0.025	0.000006	22.4
13:27:12.038	21	0.00001	0	0.00051	0.025	0.000006	20.8
13:27:13.038	21	0.00001	0	0.00046	0.023	0.000005	19.4
13:27:14.038	21	0.00001	0	0.00051	0.026	0.000006	17.4
13:27:15.038	21	0.00001	0	0.00075	0.038	0.000009	15.7
13:27:16.038	21	0.00001	0	0.00077	0.049	0.000009	12.9
13:27:17.038	21	0.00001	0	0.00069	0.078	0.000008	10.5
13:27:18.038	21	0	0	0.0012	0.161	0.000016	10.6
13:27:19.038	21	0	0	0.00141	0.29	0.000028	10.6
13:27:20.038	21	0	0	0.00129	0.415	0.000041	10.1
13:27:21.038	21	0.00001	0	0.00099	0.468	0.000046	9.6
13:27:22.038	21	0.00001	0	0.00072	0.486	0.000048	7
13:27:23.038	21	0.00001	0	0.00074	0.507	0.00005	4.7
13:27:24.038	21	0.00001	0	0.0008	0.542	0.000053	3.6
13:27:25.038	21	0.00001	0	0.00092	0.609	0.00006	2.6
13:27:26.038	21	0.00001	0	0.00115	0.745	0.000073	1.2
13:27:27.038	21	0.00001	0	0.00147	0.975	0.000095	0
13:27:28.038	21	0.00001	0	0.00123	1.108	0.000108	0
13:27:29.038	21	0.00001	0.00001	0.00084	1.045	0.000102	0
13:27:30.038	21	0.00001	0.00001	0.00087	1.03	0.0001	0.6
13:27:31.038	21	0.00001	0.00001	0.00082	1.072	0.000105	1.2
13:27:32.038	21	0.00001	0.00001	0.00072	1.091	0.000106	1.4
13:27:33.038	21	0.00001	0.00001	0.00072	1.089	0.000106	1.6
13:27:34.038	21	0.00001	0.00001	0.00089	1.304	0.000127	1.4
13:27:35.038	21	0.00002	0.00002	0.00166	1.993	0.000194	1.3
13:27:36.038	21	0.00003	0.00001	0.00239	2.964	0.000289	2
13:27:37.038	21	0.00005	0	0.00359	4.432	0.000432	2.6
13:27:38.038	21	0.00017	0	0.00416	6.242	0.000607	4.6
13:27:39.038	21	0.00041	0	0.00338	7.784	0.000757	6.4
13:27:40.038	21	0.00053	0	0.00361	7.337	0.000714	9.5

2.20E+00	-7.300	2.200	0.000	2.151	0.000	1422	34.146	0	233.52131	186.080099	30.211198	5	0
2.00E+00	-7.300	2.000	0.000	1.960	0.000	1389	32.91	0	234.3	180.434368	25.250177	5	0
1.80E+00	-7.300	1.800	0.000	1.774	0.000	1375	32.73	0	234.130751	174.788638	20.289157	4	0
1.40E+00	-7.300	1.400	0.000	1.409	0.000	1358	32.29	0	218.695924	169.142908	15.328136	3.748101	0
1.30E+00	-7.300	1.300	0.000	1.299	0.000	1341	31.834	0	223.179904	165.376228	10.367116	3	0
1.20E+00	-7.300	1.200	0.000	1.200	0.000	1314	31.144	0	233.6	162.380781	8.670495	2.379157	0
1.10E+00	-7.300	1.100	0.000	1.100	0.000	1277	30.353	0	233.55514	159.385334	7.234745	1.13307	0
1.10E+00	-7.300	1.100	0.000	1.092	0.000	1252	29.618	0	222.972806	156.389887	5.798995	0.96375	0
1.00E+00	-7.300	1.000	0.000	1.003	0.000	1232	29.19	0	212.74306	154.011313	4.363245	0	0
9.00E-01	-7.300	0.900	0.000	0.894	0.000	1221	29.19	0	233.26506	152.166749	3.61475	0	0
9.00E-01	-7.300	0.900	0.000	0.894	0.000	1178	28.292	0	233	150.322184	3.09902	0	0
8.00E-01	-7.300	0.800	0.000	0.792	0.000	1091	26.748	0	232.4525	148.477619	2.58329	0	0
8.00E-01	-7.300	0.800	0.000	0.792	0.000	1048	25.728	0	211.207208	146.745923	2.067561	0	0
7.00E-01	-7.300	0.700	0.000	0.700	0.000	1013	24.488	0	232.4	145.141504	1.782206	0	0
7.00E-01	-7.300	0.700	0.000	0.693	0.000	1275	23.585	0	232.4	143.537086	1.531579	0	0
7.00E-01	-7.300	0.700	0.000	0.693	0.000	1220	22.186	0	222.574419	141.932667	1.280952	0	0
6.00E-01	-7.300	0.600	0.000	0.594	0.000	1093	20.467	0	215.568258	140.688329	1.030326	0	0
5.00E-01	-7.300	0.500	0.000	0.505	0.000	1099	18.497	7.6	232.4	139.622954	0.787116	0	0
5.00E-01	-7.300	0.500	0.000	0.495	0.000	1112	16.22	1.1	231.763719	138.557579	0.544926	0	0
4.00E-01	-7.300	0.400	0.000	0.406	0.000	968	14.356	6.1	221.019797	137.492203	0.302737	0	0
4.00E-01	-7.300	0.400	0.000	0.396	0.000	799	12.388	24.7	207.253191	139.615089	0.060547	0	0
4.00E-01	-7.400	0.400	0.000	0.396	0.000	910	10.998	43.2	231.621405	144.475848	15.584416	0	0
4.00E-01	-7.400	0.400	0.000	0.396	0.000	1046	9.94	32.8	231.69061	149.336608	36.363636	0	0
4.00E-01	-7.400	0.400	0.000	0.396	0.000	875	9.768	18.3	223.835417	154.197367	57.142857	0	0
3.00E-01	-7.400	0.300	0.000	0.292	0.000	826	8.9	23.2	216.855068	157.428351	77.922078	0	0
3.00E-01	-7.400	0.300	0.000	0.290	0.000	789	8.227	27.3	231.7	159.517384	82.519084	0	0
3.00E-01	-7.400	0.300	0.000	0.287	0.000	776	6.988	29	231.7	161.606416	85.318066	0	0
4.00E-01	-7.400	0.400	0.000	0.372	0.000	735	5.439	43.9	225.469286	163.695449	88.117048	0	0
4.00E-01	-7.400	0.400	0.000	0.381	0.000	745	4.073	46.8	220.344615	167.407919	90.916031	0	0
4.00E-01	-7.400	0.400	0.000	0.381	0.000	748	3.164	49.4	231.7	172.360156	92.892683	0	0
4.00E-01	-7.400	0.400	0.000	0.380	0.000	748	2.437	48.9	231.1	177.312393	94.843902	0	0
4.00E-01	-7.400	0.400	0.000	0.379	0.000	750	1.86	48.8	225.995385	182.26463	96.795122	0	0
4.00E-01	-7.400	0.400	0.000	0.376	0.000	750	1.464	49.3	221.272763	186.731253	98.746341	0	0
4.00E-01	-7.400	0.400	0.000	0.374	0.000	883	1.24	62.1	230.652993	190.859017	96.058681	0	0
5.00E-01	-7.400	0.500	0.000	0.456	0.300	927	1.24	34.9	231.043529	194.986781	92.677856	0	0
5.00E-01	-7.400	0.500	0.000	0.464	1.000	793	1.86	39.7	227.986792	199.114545	89.29703	1	0
5.00E-01	-7.400	0.600	0.000	0.545	1.700	750	1.86	41.1	222.519277	201.269437	85.916204	1	0
6.00E-01	-7.400	0.600	0.000	0.553	2.000	749	1.42	40.9	230.040146	201.595907	83.716549	1.45679	0
6.00E-01	-7.400	0.600	0.000	0.552	3.000	750	0.62	40.6	229.8	201.922376	81.955986	2	0
6.00E-01	-7.400	0.700	0.000	0.644	2.600	751	0.62	42.5	226.300688	202.248845	80.195423	3	0
7.00E-01	-7.400	0.800	0.000	0.737	2.000	910	0.62	50.8	222.440476	212.081306	78.434859	3	0
7.00E-01	-7.400	0.800	0.000	0.737	1.800	1216	1.728	64.2	229.411881	230.10981	80.139711	3	0
7.00E-01	-7.400	0.800	0.000	0.734	1.000	1389	3.956	71.5	228.66117	248.138314	82.981293	3	0
1.00E+00	-7.400	1.100	0.000	0.982	0.000	1603	6.284	86.2	227.907426	266.166817	85.822875	3	0
2.40E+00	-7.400	2.700	0.000	2.438	0.000	1734	8.574	77	247.025058	281.78372	88.664457	3.034642	0
4.80E+00	-7.400	5.300	0.000	4.755	0.000	1834	10.782	80.9	226.359413	292.437299	99.760823	4.401961	0
6.50E+00	-7.400	7.200	0.000	6.501	0.000	1629	13.021	47	225.63658	303.090879	118.17747	6.415274	0

0.21361	0.02441	4.42433	7825.747
0.21365	0.02441	4.42492	7825.925
0.21368	0.02441	4.42565	7826.036
0.21371	0.02441	4.42616	7826.114
0.21373	0.02441	4.42693	7826.17
0.21375	0.02441	4.42777	7826.213
0.21377	0.02441	4.42859	7826.25
0.21379	0.02441	4.42934	7826.286
0.21381	0.02441	4.43003	7826.322
0.21382	0.02441	4.43072	7826.353
0.21383	0.02441	4.43138	7826.383
0.21384	0.02441	4.43199	7826.411
0.21385	0.02441	4.43257	7826.437
0.21386	0.02441	4.43317	7826.464
0.21387	0.02441	4.43386	7826.495
0.21388	0.02441	4.43452	7826.524
0.21389	0.02441	4.43505	7826.55
0.2139	0.02441	4.43556	7826.575
0.21391	0.02441	4.43607	7826.6
0.21392	0.02441	4.43653	7826.623
0.21393	0.02441	4.43704	7826.649
0.21394	0.02441	4.43779	7826.687
0.21395	0.02441	4.43856	7826.736
0.21396	0.02441	4.43925	7826.814
0.21396	0.02441	4.44045	7826.975
0.21396	0.02441	4.44186	7827.265
0.21396	0.02441	4.44315	7827.68
0.21397	0.02441	4.44414	7828.148
0.21398	0.02441	4.44486	7828.634
0.21399	0.02441	4.4456	7829.141
0.214	0.02441	4.4464	7829.683
0.21401	0.02441	4.44732	7830.292
0.21402	0.02441	4.44847	7831.037
0.21403	0.02441	4.44994	7832.012
0.21404	0.02441	4.45117	7833.12
0.21405	0.02442	4.45201	7834.165
0.21406	0.02443	4.45288	7835.195
0.21407	0.02444	4.4537	7836.267
0.21408	0.02445	4.45442	7837.358
0.21409	0.02446	4.45514	7838.447
0.2141	0.02447	4.45603	7839.751
0.21412	0.02449	4.45769	7841.744
0.21415	0.0245	4.46008	7844.708
0.2142	0.0245	4.46367	7849.14
0.21437	0.0245	4.46783	7855.382
0.21478	0.0245	4.47121	7863.166
0.21531	0.0245	4.47482	7870.503

13:27:41.038	21	0.00037	0	0.00177	4.061	0.000395	12.2
13:27:42.038	21	0.0003	0	0.00123	2.927	0.000285	13
13:27:43.038	21	0.00025	0	0.00214	2.945	0.000287	13.6
13:27:44.038	21	0.0002	0	0.00309	3.469	0.000338	14
13:27:45.038	21	0.00017	0	0.00299	3.972	0.000387	14.3
13:27:46.038	21	0.00015	0.00002	0.00293	5.102	0.000497	14.3
13:27:47.038	21	0.00015	0.00002	0.00466	6.798	0.000662	14.3
13:27:48.038	21	0.00013	0	0.00302	6.021	0.000586	15.4
13:27:49.038	21	0.00011	0	0.00183	4.935	0.00048	16.3
13:27:50.038	21	0.00011	0	0.0023	4.59	0.000447	17.7
13:27:51.038	21	0.00009	0	0.00294	4.252	0.000414	19
13:27:52.038	21	0.00008	0	0.00151	3.665	0.000356	19.4
13:27:53.038	21	0.00008	0	0.00117	3.345	0.000326	19.7
13:27:54.038	21	0.00006	0	0.00106	2.573	0.000251	19.8
13:27:55.038	21	0.00005	0	0.0012	2.393	0.000233	19.8
13:27:56.038	21	0.00004	0	0.00138	2.2	0.000215	18.7
13:27:57.038	21	0.00003	0	0.00166	2.236	0.000218	17.8
13:27:58.038	21	0.00003	0	0.00335	2.986	0.000291	18.5
13:27:59.038	21	0.00003	0	0.0034	3.822	0.000372	19.1
13:28:00.038	21	0.00003	0	0.00279	4.403	0.000428	18.8
13:28:01.038	21	0.00003	0	0.00229	4.587	0.000446	18.5
13:28:02.038	21	0.00002	0	0.00146	3.648	0.000355	19.9
13:28:03.038	21	0.00002	0	0.0006	2.601	0.000253	21.1
13:28:04.038	21	0.00002	0	0	1.783	0.000174	20.4
13:28:05.038	21	0.00001	0	0.00047	1.173	0.000114	19.7
13:28:06.038	21	0	0	0.0007	0.833	0.000081	19.1
13:28:07.038	21	0	0	0.00074	0.729	0.000071	18.6
13:28:08.038	21	0	0	0.0009	0.829	0.000081	16.7
13:28:09.038	21	0	0	0.00084	0.741	0.000072	15.1
13:28:10.038	21	0	0	0.00059	0.547	0.000053	11
13:28:11.038	21	0	0	0.00063	0.437	0.000043	7.5
13:28:12.038	21	0	0	0.00078	0.414	0.000041	3.4
13:28:13.038	21	0	0	0.00105	0.498	0.000049	0
13:28:14.038	21	0	0	0.00126	0.642	0.000063	0.9
13:28:15.038	21	0	0	0.00119	0.776	0.000076	1.7
13:28:16.038	21	0	0	0.00108	0.868	0.000085	0.8
13:28:17.038	21	0	0	0.00072	0.939	0.000092	0
13:28:18.038	21	0	0.00001	0.00082	0.975	0.000095	0.8
13:28:19.038	21	0	0.00001	0.00091	0.98	0.000096	1.4
13:28:20.038	21	0	0.00001	0.0009	0.974	0.000095	1.9
13:28:21.038	21	0	0.00001	0.00089	0.984	0.000096	2.3
13:28:22.038	21	0	0.00001	0.00082	0.991	0.000097	2.6
13:28:23.038	21	0	0.00001	0.00082	1.001	0.000098	2.9
13:28:24.038	21	0	0.00001	0.00082	1.007	0.000098	2.1
13:28:25.038	21	0	0.00001	0.00082	1.013	0.000099	1.4
13:28:26.038	21	0	0.00001	0.00082	1.019	0.000099	1.3
13:28:27.038	21	0	0.00001	0.00082	1.015	0.000099	1.2

7.40E+00	-7.300	8.200	0.000	7.424	0.000	1535	13.66	50.3	224.86129	313.744458	136.594116	7	0
7.40E+00	-7.300	8.100	0.000	7.432	0.000	1482	13.66	60.2	272.759953	322.986996	155.010763	7	0
6.00E+00	-7.300	6.600	0.000	6.031	0.000	1490	13.782	66.1	223.905905	324.233635	160.614787	6.014019	0
4.50E+00	-7.300	4.900	0.000	4.495	0.000	1508	14.28	65	223.283258	325.480274	142.319048	5.031373	0
3.60E+00	-7.300	4.000	0.000	3.581	0.200	1529	14.28	70.1	222.8	326.726913	124.023308	5	0
2.50E+00	-7.300	2.800	0.000	2.489	1.000	1587	14.855	80.9	268.854236	328.573394	105.727569	5	0
2.00E+00	-7.300	2.200	0.000	1.996	1.000	1724	16.442	81	222.8	339.986848	101.29262	4	0
2.00E+00	-7.300	2.200	0.000	1.974	0.000	1700	17.621	61.5	222.990191	351.400302	121.606326	4.131051	0
2.00E+00	-7.300	2.200	0.000	1.981	0.000	1379	18.461	91	223.4	362.813757	141.920031	5	0
2.00E+00	-7.300	2.200	0.000	1.986	0.000	1402	19.86	79.8	293.439216	372.27806	162.233736	4.282238	0
2.00E+00	-7.400	2.200	0.000	1.968	0.000	1423	19.87	62.6	224.414534	362.034277	166.16123	4.119695	0
2.00E+00	-7.400	2.200	0.000	1.972	0.000	1410	19.87	53.4	225.4	351.790495	151.610655	5	0
2.00E+00	-7.400	2.200	0.000	1.990	0.000	1379	19.87	54.5	225.777037	341.546713	137.06008	5	0
1.80E+00	-7.400	1.900	0.000	1.750	0.000	1323	18.745	47	270.253237	331.570874	122.509505	5	0
1.40E+00	-7.400	1.500	0.000	1.381	0.000	1279	17.971	43.6	227.311298	330.566537	111.884552	5	0
1.10E+00	-7.400	1.200	0.000	1.122	0.000	1255	17.39	67.8	227.907126	329.5622	116.116859	5	0
8.00E-01	-7.400	0.900	0.000	0.845	0.000	1257	17.39	74.2	228.615995	328.557864	120.349165	3.97931	0
7.00E-01	-7.400	0.800	0.000	0.734	0.000	1271	17.66	78.1	247.773325	327.553527	124.581472	1.824051	0
6.00E-01	-7.400	0.700	0.000	0.634	0.000	1304	18.474	81.6	245.916509	327.922006	128.813779	1.471622	0
6.00E-01	-7.300	0.700	0.000	0.629	0.000	1357	19.191	78.4	231.606476	329.036212	128.055103	2	0
6.00E-01	-7.300	0.700	0.000	0.626	0.000	1419	19.976	59.8	232.542756	330.150418	127.066716	2	0
6.00E-01	-7.200	0.700	0.000	0.627	0.000	1397	20.221	24.9	251.545455	331.264624	126.07833	2.263768	0
6.00E-01	-7.200	0.700	0.000	0.636	0.000	1357	19.425	37.2	251.373155	321.319625	125.089943	4	0
6.00E-01	-7.200	0.700	0.000	0.650	0.000	1327	18.73	41.8	235.5	306.612365	119.900421	4.606522	0
5.00E-01	-7.300	0.500	0.000	0.478	0.000	1266	18.008	14.4	236.820047	291.905105	114.290323	4.248528	0
1.00E-01	-7.300	0.100	0.000	0.103	0.000	1153	17	4.1	238.360205	277.197845	108.680224	3.100342	0
1.00E-01	-7.300	0.100	0.000	0.094	0.000	891	13.726	1.2	247.97483	267.294042	103.070126	3	0
1.00E-01	-7.300	0.100	0.000	0.094	0.000	822	10.389	25.6	237.7466	263.783649	102.737494	3	0
1.00E-01	-7.300	0.100	0.000	0.094	0.000	845	7.368	39.4	238.434924	260.273256	105.491051	3	0
1.00E-01	-7.300	0.100	0.000	0.095	0.000	760	4.361	45.6	238.8	256.762864	108.244608	3	0
0.00E+00	-7.300	0.000	0.000	0.007	0.000	758	1.876	49.6	245.973259	253.681186	110.998164	3	0
0.00E+00	-7.300	0.000	0.000	0.000	0.000	745	0.536	51.6	239.94704	254.501242	112.421065	3	0
0.00E+00	-7.300	0.000	0.000	0.000	0.000	754	0	51.3	239.509026	255.321298	110.300424	2.009698	0
0.00E+00	-7.300	0.000	0.000	0.000	0.000	761	0	48	239.77891	256.141354	108.179783	1	0
0.00E+00	-7.300	0.000	0.000	0.000	0.000	755	0	45.4	244.822652	256.96141	106.059142	1	0
0.00E+00	-7.400	0.000	0.000	0.000	0.000	748	0	46.7	242.116091	256.648253	103.912842	1	0
0.00E+00	-7.400	0.000	0.000	0.000	0.300	749	0	47.4	241.3	256.104634	100.907377	1	0
0.00E+00	-7.400	0.000	0.000	0.000	1.200	749	0	47.4	241.490681	255.561015	97.901913	1	0
0.00E+00	-7.400	0.000	0.000	0.000	2.000	749	0	47.8	246.591068	255.017396	94.896448	1	0
0.00E+00	-7.400	0.000	0.000	0.000	2.000	748	0	47.6	242.5	254.670107	92.141661	1.998507	0
0.00E+00	-7.400	0.000	0.000	0.000	2.000	750	0	47.4	242.5	254.329309	89.815538	2	0
0.00E+00	-7.400	0.000	0.000	0.000	2.000	749	0	47.8	242.848235	253.98851	87.489416	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	749	0	47.2	246.65169	253.647712	85.163294	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	752	0	46.3	244.024315	252.909153	82.932088	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	749	0	46.2	244.436842	252.105842	81.961921	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	751	0	45.7	244.645823	251.302532	80.991754	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.200	750	0	45.4	246.421365	250.499221	80.021586	2	0

0.21568	0.0245	4.47659	7874.564
0.21598	0.0245	4.47782	7877.491
0.21623	0.0245	4.47996	7880.436
0.21643	0.0245	4.48305	7883.905
0.2166	0.0245	4.48604	7887.877
0.21675	0.02452	4.48897	7892.979
0.2169	0.02454	4.49363	7899.777
0.21703	0.02454	4.49665	7905.798
0.21714	0.02454	4.49848	7910.733
0.21725	0.02454	4.50078	7915.323
0.21734	0.02454	4.50372	7919.575
0.21742	0.02454	4.50523	7923.24
0.2175	0.02454	4.5064	7926.585
0.21756	0.02454	4.50746	7929.158
0.21761	0.02454	4.50866	7931.551
0.21765	0.02454	4.51004	7933.751
0.21768	0.02454	4.5117	7935.987
0.21771	0.02454	4.51505	7938.973
0.21774	0.02454	4.51845	7942.795
0.21777	0.02454	4.52124	7947.198
0.2178	0.02454	4.52353	7951.785
0.21782	0.02454	4.52499	7955.433
0.21784	0.02454	4.52559	7958.034
0.21786	0.02454	4.52559	7959.817
0.21787	0.02454	4.52606	7960.99
0.21787	0.02454	4.52676	7961.823
0.21787	0.02454	4.5275	7962.552
0.21787	0.02454	4.5284	7963.381
0.21787	0.02454	4.52924	7964.122
0.21787	0.02454	4.52983	7964.669
0.21787	0.02454	4.53046	7965.106
0.21787	0.02454	4.53124	7965.52
0.21787	0.02454	4.53229	7966.018
0.21787	0.02454	4.53355	7966.66
0.21787	0.02454	4.53474	7967.436
0.21787	0.02454	4.53582	7968.304
0.21787	0.02454	4.53654	7969.243
0.21787	0.02455	4.53736	7970.218
0.21787	0.02456	4.53827	7971.198
0.21787	0.02457	4.53917	7972.172
0.21787	0.02458	4.54006	7973.156
0.21787	0.02459	4.54088	7974.147
0.21787	0.0246	4.5417	7975.148
0.21787	0.02461	4.54252	7976.155
0.21787	0.02462	4.54334	7977.168
0.21787	0.02463	4.54416	7978.187
0.21787	0.02464	4.54498	7979.202

13:28:28.038	21	0	0.00001	0.00082	1.014	0.000099	1.3
13:28:29.038	21	0	0.00001	0.00081	1.005	0.000098	1.3
13:28:30.038	21	0	0.00001	0.00075	1.002	0.000098	1.9
13:28:31.038	21	0	0.00001	0.00072	0.992	0.000097	2.4
13:28:32.038	21	0	0.00001	0.00075	0.99	0.000096	1.1
13:28:33.038	21	0	0.00001	0.00081	0.995	0.000097	0
13:28:34.038	21	0	0.00001	0.00081	0.986	0.000096	1.3
13:28:35.038	21	0	0.00001	0.00081	0.984	0.000096	2.4
13:28:36.038	21	0	0.00001	0.00081	0.98	0.000096	1.8
13:28:37.038	21	0	0.00001	0.00081	0.977	0.000095	1.2
13:28:38.038	21	0	0.00001	0.00081	0.974	0.000095	1.1
13:28:39.038	21	0	0.00001	0.00081	0.978	0.000095	1
13:28:40.038	21	0	0.00001	0.00081	0.981	0.000096	1.2
13:28:41.038	21	0	0.00001	0.0008	0.965	0.000094	1.3
13:28:42.038	21	0	0.00001	0.00082	0.991	0.000097	1.6
13:28:43.038	21	0	0.00001	0.00083	1.008	0.000098	1.8
13:28:44.038	21	0	0.00001	0.00084	1.023	0.0001	0.8
13:28:45.038	21	0	0.00001	0.00102	1.251	0.000122	0
13:28:46.038	21	0	0.00002	0.00161	1.986	0.000194	0
13:28:47.038	21	0	0.00004	0.00275	3.213	0.000313	0
13:28:48.038	21	0.00001	0.00003	0.00391	4.583	0.000446	2.6
13:28:49.038	21	0.00007	0.00001	0.00497	6.904	0.000672	4.7
13:28:50.038	21	0.00024	0	0.00344	7.297	0.00071	7.9
13:28:51.038	21	0.00021	0	0.00072	3.051	0.000297	10.7
13:28:52.038	21	0.00018	0	0	1.666	0.000162	12.7
13:28:53.038	21	0.00014	0	0.00011	0.835	0.000081	14.4
13:28:54.038	21	0.00009	0	0.00064	0.541	0.000053	13.6
13:28:55.038	21	0.00007	0	0.0011	0.568	0.000056	13
13:28:56.038	21	0.00008	0	0.00153	0.929	0.000091	11.2
13:28:57.038	21	0.00008	0	0.0016	1.015	0.000099	9.6
13:28:58.038	21	0.00006	0	0.00261	1.192	0.000117	9.4
13:28:59.038	21	0.00004	0	0.00355	1.67	0.000163	9.2
13:29:00.038	21	0.00004	0	0.00276	2.084	0.000203	11.6
13:29:01.038	21	0.00003	0	0.00168	2.076	0.000202	13.7
13:29:02.038	21	0.00003	0.00001	0.0011	1.894	0.000184	13.5
13:29:03.038	21	0.00004	0.00002	0.00102	1.861	0.000181	13.3
13:29:04.038	21	0.00004	0.00001	0.00054	1.704	0.000166	12.8
13:29:05.038	21	0.00005	0.00001	0.00288	2.504	0.000244	12.4
13:29:06.038	21	0.00004	0	0.00457	3.735	0.000364	13.9
13:29:07.038	21	0.00005	0	0.00427	4.727	0.00046	15.1
13:29:08.038	21	0.0001	0	0.00294	4.725	0.00046	16.1
13:29:09.038	21	0.00012	0	0.00177	3.685	0.000359	17
13:29:10.038	21	0.00013	0.00001	0.001	3.541	0.000345	17.8
13:29:11.038	21	0.00012	0.00002	0.00179	3.188	0.00031	18.4
13:29:12.038	21	0.00011	0	0.00196	3.068	0.000299	20
13:29:13.038	21	0.0001	0	0.0015	2.727	0.000265	21.4
13:29:14.038	21	0.00011	0	0.00106	2.576	0.000251	21.7

0.00E+00	-7.500	0.000	0.000	0.000	2.700	749	0	45.1	245.828857	249.814491	79.051419	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	749	0	44.8	245.627075	249.168867	78.534071	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	749	0	45.1	246.329412	248.523242	78.042066	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	751	0	45.8	246.420339	247.877618	77.550062	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	749	0	45.5	247	247.242857	77.058057	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	751	0	44.1	247	246.616291	76.550115	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	749	0	45.5	247.516859	245.989724	76.040041	2	0
0.00E+00	-7.500	0.000	0.000	0.000	2.000	750	0	45.2	246.964924	245.363158	75.529967	2	0
0.00E+00	-7.600	0.000	0.000	0.000	2.000	749	0	45.5	247.170254	244.844118	75.019893	2	0
0.00E+00	-7.600	0.000	0.000	0.000	2.000	749	0	45.1	247.6	244.402941	74.773829	2	0
0.00E+00	-7.600	0.000	0.000	0.000	2.000	749	0	45.9	248.227414	243.961765	74.53848	2	0
0.00E+00	-7.600	0.000	0.000	0.000	2.000	750	0	46	247.818378	243.520588	74.30313	1.010526	0
0.00E+00	-7.600	0.000	0.000	0.000	2.000	749	0	46.2	246.876512	243.204535	74.067781	1	0
0.00E+00	-7.600	0.000	0.000	0.000	2.000	747	0	46.6	248.7	243.013604	74	1	0
0.00E+00	-7.600	0.000	0.000	0.000	2.000	748	0	47.7	248.492874	242.822673	74	1.53644	0
0.00E+00	-7.600	0.000	0.000	0.000	2.000	748	0	48.3	248.969489	242.631742	74	2	0
0.00E+00	-7.600	0.000	0.000	0.000	2.000	750	0	48.5	245.995136	245.933496	74	2	0
0.00E+00	-7.600	0.000	0.000	0.000	2.000	875	0.249	57.3	248.551087	257.009291	76.024331	2	0
0.00E+00	-7.600	0.000	0.000	0.000	2.200	1256	1.597	69.8	249	268.085086	79.917275	2	0
1.00E-01	-7.600	0.100	0.000	0.081	2.800	1430	4.688	75.3	249.486776	279.16088	83.810219	1.432191	0
2.00E-01	-7.600	0.200	0.000	0.171	1.800	1580	7.718	74.1	267.184706	288.82451	87.703163	1	0
9.00E-01	-7.600	1.000	0.000	0.930	0.600	1758	10.199	77.3	250.3	293.481373	97.940672	1	0
3.10E+00	-7.600	3.500	0.000	3.098	0.000	1681	13.197	45.1	250.3	298.138235	117.308164	1.31972	0
5.40E+00	-7.600	5.900	0.000	5.356	0.000	1462	13.813	17.1	250.3	302.795098	136.675656	4.292308	0
6.00E+00	-7.500	6.500	0.000	6.015	0.000	1442	13.66	14.1	278.059446	304.789498	156.043148	6	0
6.20E+00	-7.500	6.600	0.000	6.223	0.000	1344	13.358	8.2	249.6	290.428767	161.401499	6	0
5.20E+00	-7.600	5.500	0.000	5.190	0.000	1175	11.572	0	249.520809	276.068037	138.445303	5.056974	0
3.80E+00	-7.700	4.100	0.000	3.849	0.000	970	10.096	9.4	249	261.707306	115.489108	5	0
3.00E+00	-7.700	3.100	0.000	2.971	0.000	989	9.31	39	247.658229	247.346575	92.532912	4.68268	0
2.20E+00	-7.700	2.300	0.000	2.221	0.000	1445	9.869	73	247.983422	249.850701	71.5253	4	0
1.70E+00	-7.700	1.800	0.000	1.724	0.000	1351	11.184	54.5	248.3	257.68057	79.997882	0.908696	0
1.30E+00	-7.700	1.400	0.000	1.309	0.000	1308	11.8	47.3	248.3	265.51044	88.470464	0	0
1.30E+00	-7.700	1.400	0.000	1.278	0.000	1306	12.048	36.6	252.88447	273.340309	96.943045	0	0
1.30E+00	-7.600	1.400	0.000	1.270	0.000	1269	12.043	21.2	253.975909	274.9893	105.415627	0	0
1.30E+00	-7.600	1.400	0.000	1.274	1.400	1223	11.35	32.5	247.6	272.882065	103.748	0.506608	0
1.30E+00	-7.600	1.400	0.000	1.285	2.000	1233	11.18	50.6	247.09455	270.77483	99.748	1.649412	0
1.20E+00	-7.600	1.300	0.000	1.206	1.500	1291	11.843	54.3	247.754994	268.667595	95.748	2	0
1.00E+00	-7.600	1.100	0.000	1.017	0.600	1386	12.797	67.9	254.594418	271.800853	91.748	1.87619	0
8.00E-01	-7.600	0.900	0.000	0.821	0.000	1537	14.525	76.5	247	284.623797	90.666746	0	0
8.00E-01	-7.600	0.900	0.000	0.809	0.000	1714	16.282	69.7	247	297.446741	91.851018	0	0
1.90E+00	-7.600	2.100	0.000	1.920	0.000	1797	17.255	51.4	247	310.269685	93.035291	1.088339	0
2.80E+00	-7.600	3.100	0.000	2.752	0.000	1342	18.062	65.6	284.115877	321.230684	94.219564	2.784891	0
3.00E+00	-7.600	3.300	0.000	2.979	1.000	1364	19.385	74.3	247.6	319.947988	96.452518	3	0
3.00E+00	-7.600	3.300	0.000	2.974	1.300	1417	20.143	57.5	247.6	318.665292	100.712102	2.124066	0
3.00E+00	-7.600	3.300	0.000	2.971	0.200	1437	20.49	49.9	247.195529	317.382596	104.971686	3.486486	0
3.00E+00	-7.600	3.300	0.000	2.980	0.000	1431	20.49	45.7	281.788543	316.3	109.23127	4	0
3.00E+00	-7.600	3.300	0.000	3.005	0.000	1432	20.355	47.3	247.6	316.3	110.673237	4	0

0.21787	0.02465	4.5458	7980.216
0.21787	0.02466	4.54661	7981.221
0.21787	0.02467	4.54736	7982.223
0.21787	0.02468	4.54808	7983.215
0.21787	0.02469	4.54883	7984.205
0.21787	0.0247	4.54964	7985.2
0.21787	0.02471	4.55045	7986.186
0.21787	0.02472	4.55126	7987.17
0.21787	0.02473	4.55207	7988.15
0.21787	0.02474	4.55288	7989.127
0.21787	0.02475	4.55369	7990.101
0.21787	0.02476	4.5545	7991.079
0.21787	0.02477	4.55531	7992.06
0.21787	0.02478	4.55611	7993.025
0.21787	0.02479	4.55693	7994.016
0.21787	0.0248	4.55776	7995.024
0.21787	0.02481	4.5586	7996.047
0.21787	0.02482	4.55962	7997.298
0.21787	0.02484	4.56123	7999.284
0.21787	0.02488	4.56398	8002.497
0.21788	0.02491	4.56789	8007.08
0.21795	0.02492	4.57286	8013.984
0.21819	0.02492	4.5763	8021.281
0.2184	0.02492	4.57702	8024.332
0.21858	0.02492	4.57702	8025.998
0.21872	0.02492	4.57713	8026.833
0.21881	0.02492	4.57777	8027.374
0.21888	0.02492	4.57887	8027.942
0.21896	0.02492	4.5804	8028.871
0.21904	0.02492	4.582	8029.886
0.2191	0.02492	4.58461	8031.078
0.21914	0.02492	4.58816	8032.748
0.21918	0.02492	4.59092	8034.832
0.21921	0.02492	4.5926	8036.908
0.21924	0.02493	4.5937	8038.802
0.21928	0.02495	4.59472	8040.663
0.21932	0.02496	4.59526	8042.367
0.21937	0.02497	4.59814	8044.871
0.21941	0.02497	4.60271	8048.606
0.21946	0.02497	4.60698	8053.333
0.21956	0.02497	4.60992	8058.058
0.21968	0.02497	4.61169	8061.743
0.21981	0.02498	4.61269	8065.284
0.21993	0.025	4.61448	8068.472
0.22004	0.025	4.61644	8071.54
0.22014	0.025	4.61794	8074.267
0.22025	0.025	4.619	8076.843

13:29:15.038	21	0.00012	0.00001	0.00106	2.856	0.000278	21.9
13:29:16.038	21	0.00009	0.00002	0.0014	2.786	0.000271	21.2
13:29:17.038	21	0.00009	0.00002	0.00296	3.307	0.000322	20.5
13:29:18.038	21	0.00009	0.00001	0.00284	3.752	0.000365	21.7
13:29:19.038	21	0.00009	0.00001	0.00225	4.003	0.00039	22.7
13:29:20.038	21	0.0001	0.00002	0.00188	4.384	0.000427	24.1
13:29:21.038	21	0.00011	0.00002	0.00186	4.782	0.000465	25.3
13:29:22.038	21	0.0001	0.00002	0.00196	4.536	0.000441	27
13:29:23.038	21	0.0001	0.00001	0.00161	4.096	0.000398	28.4
13:29:24.038	21	0.00008	0.00003	0.00068	2.748	0.000268	27.4
13:29:25.038	21	0.00006	0.00003	0	1.595	0.000155	26.5
13:29:26.038	21	0.00004	0.00002	0	0.675	0.000066	25
13:29:27.038	21	0.00002	0	0.00015	0.361	0.000035	23.8
13:29:28.038	21	0.00001	0	0.00037	0.199	0.000019	21.1
13:29:29.038	21	0.00001	0	0.00035	0.134	0.000013	18.8
13:29:30.038	21	0.00001	0	0.00059	0.136	0.000013	16.3
13:29:31.038	21	0.00001	0	0.00071	0.106	0.00001	14.2
13:29:32.038	21	0	0	0.00076	0.075	0.000007	10.8
13:29:33.038	21	0	0	0.00089	0.091	0.000009	7.9
13:29:34.038	21	0	0	0.00108	0.197	0.000019	6.2
13:29:35.038	21	0	0	0.00125	0.33	0.000032	4.8
13:29:36.038	21	0	0	0.00119	0.482	0.000047	2.2
13:29:37.038	21	0	0	0.00117	0.643	0.000063	0
13:29:38.038	21	0	0	0.00122	0.814	0.00008	1.1
13:29:39.038	21	0.00001	0	0.00197	1.546	0.000151	2.1
13:29:40.038	21	0.00001	0.00002	0.00345	3.737	0.000364	1
13:29:41.038	21	0.00002	0.00004	0.00715	6.68	0.000651	0
13:29:42.038	21	0.00018	0	0.00735	10.167	0.000989	4.1
13:29:43.038	21	0.00047	0	0.00276	7.95	0.000773	7.6
13:29:44.038	21	0.00029	0	0	2.69	0.000262	10.6
13:29:45.038	21	0.00017	0	0	0.894	0.000087	13.1
13:29:46.038	21	0.00014	0	0.00025	0.531	0.000052	12.9
13:29:47.038	21	0.00008	0	0.00055	0.307	0.00003	12.7
13:29:48.038	21	0.00005	0	0.00064	0.226	0.000022	8.6
13:29:49.038	21	0.00003	0	0.00072	0.206	0.00002	5.1
13:29:50.038	21	0.00002	0	0.00076	0.224	0.000022	4
13:29:51.038	21	0.00002	0	0.00082	0.309	0.00003	3.1
13:29:52.038	21	0.00001	0	0.00107	0.451	0.000044	2.1
13:29:53.038	21	0.00001	0	0.00131	0.62	0.000061	1.3
13:29:54.038	21	0.00001	0	0.00121	0.765	0.000075	0.6
13:29:55.038	21	0.00001	0	0.00111	0.879	0.000086	0
13:29:56.038	21	0.00001	0.00001	0.00101	0.968	0.000094	0.7
13:29:57.038	21	0.00001	0.00001	0.00079	1.002	0.000098	1.3
13:29:58.038	21	0.00001	0.00001	0.00064	1.001	0.000098	1.3
13:29:59.038	21	0.00001	0.00001	0.00064	1.002	0.000098	1.3
13:30:00.038	21	0.00001	0.00001	0.00069	1	0.000098	0.6
13:30:01.038	21	0.00001	0.00002	0.00076	1.052	0.000103	0

2.90E+00	-7.500	3.100	0.000	2.852	1.000	1458	20.088	61.5	247.6	316.3	106.882487	4	0
2.20E+00	-7.500	2.400	0.000	2.221	1.700	1485	20.88	63.1	247.6	316.3	103.091736	3.61754	0
2.00E+00	-7.500	2.200	0.000	2.001	1.800	1518	21.649	66.9	275.638188	316.307792	99.300986	2.390606	0
2.00E+00	-7.500	2.200	0.000	1.988	1.000	1553	21.885	70.9	248.3	324.09967	95.146687	2	0
2.00E+00	-7.500	2.200	0.000	1.982	1.000	1595	22.543	71.2	248.3	331.891548	90.430876	2.04779	0
2.00E+00	-7.500	2.200	0.000	1.977	1.000	1648	23.279	72.6	248.602254	339.683426	85.715066	3	0
2.00E+00	-7.500	2.200	0.000	1.973	1.000	1711	24.177	71.6	291.548333	346.077995	80.999255	3	0
2.10E+00	-7.500	2.300	0.000	2.051	1.000	1743	24.84	57.7	249.097456	330.963151	74.491566	3.001965	0
2.10E+00	-7.500	2.300	0.000	2.066	1.000	1723	24.655	17.9	249.754839	315.848308	64.853012	3.984283	0
2.10E+00	-7.500	2.300	0.000	2.089	2.400	1641	23.428	0.2	249.891114	300.733465	55.214458	4.396901	0
2.10E+00	-7.500	2.300	0.000	2.133	3.700	1545	22.427	0	264.892529	285.63881	45.575904	5.624526	0
1.70E+00	-7.600	1.700	0.000	1.653	3.400	1397	20.957	0	250.3	272.206332	37.072701	6	0
1.10E+00	-7.600	1.100	0.000	1.072	0.800	1239	18.521	0	250.3	258.773855	32.739528	6	0
7.00E-01	-7.600	0.700	0.000	0.686	0.000	1074	15.898	0	250.3	245.341377	28.406355	5.77532	0
5.00E-01	-7.700	0.500	0.000	0.495	0.000	888	13.205	13.4	243.622	231.908899	24.073182	5	0
5.00E-01	-7.700	0.500	0.000	0.487	0.000	847	10.746	33.6	247.559784	230.850147	21.239067	4.346154	0
4.00E-01	-7.700	0.400	0.000	0.390	0.000	885	8.035	30.8	249.579379	232.095872	41.890185	3.208009	0
3.00E-01	-7.700	0.300	0.000	0.296	0.000	760	5.921	40.6	249.6	233.341597	62.541302	3	0
3.00E-01	-7.700	0.300	0.000	0.293	0.000	745	3.928	44.4	245.852407	234.587323	83.19242	1.686806	0
2.00E-01	-7.700	0.200	0.000	0.203	0.000	750	2.161	47.5	247.433684	236.923849	103.843537	1	0
2.00E-01	-7.700	0.200	0.000	0.192	0.000	746	0.92	52.6	249.6	239.625916	104.330655	0.440077	0
2.00E-01	-7.700	0.200	0.000	0.190	0.000	757	0.069	52.5	249.101887	242.327984	103.621602	0	0
2.00E-01	-7.700	0.200	0.000	0.188	0.000	759	0	51.1	249.219533	245.030052	102.91255	0	0
2.00E-01	-7.700	0.200	0.000	0.187	0.000	753	0	47.8	248.503758	257.303852	102.203498	0	0
2.00E-01	-7.700	0.200	0.000	0.186	0.400	1024	0.438	90.1	249.6	279.421199	106.694353	0	0
2.00E-01	-7.700	0.200	0.000	0.184	1.200	1598	3.184	88.6	250.273041	301.538546	113.278298	0	0
3.00E-01	-7.700	0.300	0.000	0.263	1.600	1784	7.428	86.6	258.42026	323.655893	119.862244	0	0
1.70E+00	-7.700	1.900	0.000	1.709	0.000	1995	10.689	80.2	272.537733	329.009144	126.446189	2.218009	0
5.40E+00	-7.600	6.000	0.000	5.371	0.000	1712	13.499	29.7	253	321.86978	123.276662	5.916759	0
6.80E+00	-7.400	7.300	0.000	6.781	0.000	1339	13.757	4.1	254.031087	314.730416	117.094281	8.813459	0
7.20E+00	-7.300	7.600	0.000	7.197	0.000	940	12.74	8.5	256.245098	307.591051	110.911901	10	0
6.60E+00	-7.300	6.800	0.000	6.565	0.000	865	9.695	17	265.990881	300.217406	104.729521	8	0
4.50E+00	-7.300	4.700	0.000	4.532	0.000	768	6.386	36	253.81007	292.592988	109.155483	7.461771	0
3.20E+00	-7.300	3.300	0.000	3.159	0.000	743	3.936	46.7	253.6	284.968571	115.000701	6.355952	0
2.30E+00	-7.300	2.300	0.000	2.271	0.000	752	2.33	47.8	254.221669	277.344153	120.84592	6	0
1.60E+00	-7.300	1.600	0.000	1.574	0.000	752	1.021	51.6	260.333813	272.416334	126.691139	4.888235	0
1.20E+00	-7.400	1.200	0.000	1.172	0.000	749	0.337	52.5	253.6	271.466667	124.996218	3.755245	0
1.00E+00	-7.400	1.000	0.000	0.955	0.000	752	0	48.7	253.6	270.516999	118.378398	3	0
9.00E-01	-7.400	0.900	0.000	0.851	0.000	754	0	46.7	253.127841	269.567331	111.760577	2.442671	0
8.00E-01	-7.500	0.900	0.000	0.843	0.000	750	0	46.2	260.469757	268.522323	105.142756	1.143033	0
7.00E-01	-7.500	0.800	0.000	0.744	0.700	748	0	46	253	267.076091	99.858685	1	0
6.00E-01	-7.500	0.600	0.000	0.563	1.300	749	0	46.5	253	265.629858	96.807042	1	0
5.00E-01	-7.500	0.500	0.000	0.470	3.000	750	0	46.7	253	264.183625	93.755399	1	0
5.00E-01	-7.500	0.500	0.000	0.461	3.000	747	0	46.7	256.147696	262.737392	90.703756	1	0
4.00E-01	-7.500	0.400	0.000	0.379	3.000	761	0	46.7	253.397321	263.365233	87.886849	1	0
4.00E-01	-7.500	0.400	0.000	0.369	3.000	759	0	46.9	252.303248	264.210793	86.894293	1.819761	0
4.00E-01	-7.500	0.400	0.000	0.369	3.000	751	0	47.3	252.873537	265.056354	85.901737	2	0

0.22037	0.02501	4.62006	8079.699
0.22046	0.02503	4.62146	8082.485
0.22055	0.02505	4.62442	8085.792
0.22064	0.02506	4.62726	8089.544
0.22073	0.02507	4.62951	8093.547
0.22083	0.02509	4.63139	8097.931
0.22094	0.02511	4.63325	8102.713
0.22104	0.02513	4.63521	8107.249
0.22114	0.02514	4.63682	8111.345
0.22122	0.02517	4.6375	8114.093
0.22128	0.0252	4.6375	8115.688
0.22132	0.02522	4.6375	8116.363
0.22134	0.02522	4.63765	8116.724
0.22135	0.02522	4.63802	8116.923
0.22136	0.02522	4.63837	8117.057
0.22137	0.02522	4.63896	8117.193
0.22138	0.02522	4.63967	8117.299
0.22138	0.02522	4.64043	8117.374
0.22138	0.02522	4.64132	8117.465
0.22138	0.02522	4.6424	8117.662
0.22138	0.02522	4.64365	8117.992
0.22138	0.02522	4.64484	8118.474
0.22138	0.02522	4.64601	8119.117
0.22138	0.02522	4.64723	8119.931
0.22139	0.02522	4.6492	8121.477
0.2214	0.02524	4.65265	8125.214
0.22142	0.02528	4.6598	8131.894
0.2216	0.02528	4.66715	8142.061
0.22207	0.02528	4.66991	8150.011
0.22236	0.02528	4.66991	8152.701
0.22253	0.02528	4.66991	8153.595
0.22267	0.02528	4.67016	8154.126
0.22275	0.02528	4.67071	8154.433
0.2228	0.02528	4.67135	8154.659
0.22283	0.02528	4.67207	8154.865
0.22285	0.02528	4.67283	8155.089
0.22287	0.02528	4.67365	8155.398
0.22288	0.02528	4.67472	8155.849
0.22289	0.02528	4.67603	8156.469
0.2229	0.02528	4.67724	8157.234
0.22291	0.02528	4.67835	8158.113
0.22292	0.02529	4.67936	8159.081
0.22293	0.0253	4.68015	8160.083
0.22294	0.02531	4.68079	8161.084
0.22295	0.02532	4.68143	8162.086
0.22296	0.02533	4.68212	8163.086
0.22297	0.02535	4.68288	8164.138

13:30:02.038	21	0.00002	0.00004	0.00186	2.555	0.000249	0.8
13:30:03.038	21	0.00002	0.00006	0.00332	4.819	0.00047	1.5
13:30:04.038	21	0.00002	0.00006	0.00718	6.962	0.000678	3.2
13:30:05.038	21	0.00004	0.00002	0.00411	7.908	0.000769	4.6
13:30:06.038	21	0.00006	0	0.00206	5.871	0.000571	9
13:30:07.038	21	0.00008	0	0.00207	5.044	0.000491	12.7
13:30:08.038	21	0.00011	0	0.00245	4.68	0.000456	11.3
13:30:09.038	21	0.00009	0	0.00191	3.661	0.000356	10.1
13:30:10.038	21	0.00009	0	0.0014	3.264	0.000318	14.4
13:30:11.038	21	0.00009	0	0.00239	3.71	0.000361	18.2
13:30:12.038	21	0.00008	0	0.00222	3.889	0.000379	19.7
13:30:13.038	21	0.00007	0	0.00135	3.513	0.000342	20.9
13:30:14.038	21	0.00006	0	0.00064	2.858	0.000278	21.1
13:30:15.038	21	0.00004	0	0.00029	2.059	0.000201	21.3
13:30:16.038	21	0.00002	0.00001	0.00001	1.218	0.000119	21.8
13:30:17.038	21	0.00001	0.00001	0.0003	0.789	0.000077	22.3
13:30:18.038	21	0	0	0.00042	0.516	0.00005	22.5
13:30:19.038	21	0	0	0.00042	0.307	0.00003	22.7
13:30:20.038	21	0	0	0.0004	0.185	0.000018	20.5
13:30:21.038	21	0	0	0.00042	0.123	0.000012	18.5
13:30:22.038	21	0	0	0.00067	0.117	0.000012	16.5
13:30:23.038	21	0	0	0.00071	0.111	0.000011	14.7
13:30:24.038	21	0	0	0.00075	0.081	0.000007	12
13:30:25.038	21	0	0	0.00082	0.08	0.000008	9.8
13:30:26.038	21	0	0	0.00171	0.236	0.000023	7.2
13:30:27.038	21	0	0	0.00502	1.34	0.000132	4.9
13:30:28.038	21	0	0	0.00542	2.757	0.000269	6.9
13:30:29.038	21	0	0	0.00531	4.445	0.000433	8.6
13:30:30.038	21	0.00001	0	0.0047	6.055	0.000589	10.3
13:30:31.038	21	0.00003	0	0.00315	6.025	0.000586	11.7
13:30:32.038	21	0.00004	0	0.00132	3.921	0.000381	14.8
13:30:33.038	21	0.00006	0	0.00078	3.658	0.000356	17.5
13:30:34.038	21	0.00008	0	0.001	4.485	0.000437	18.8
13:30:35.038	21	0.00008	0	0.00477	4.983	0.000485	19.9
13:30:36.038	21	0.0001	0	0.00313	4.644	0.000452	21.2
13:30:37.038	21	0.0001	0	0.00084	3.065	0.000299	22.4
13:30:38.038	21	0.00009	0	0	1.846	0.00018	23.1
13:30:39.038	21	0.00008	0	0	1.149	0.000112	23.7
13:30:40.038	21	0.00006	0	0	0.863	0.000084	24.6
13:30:41.038	21	0.00003	0	0.00448	1.289	0.000126	25.3
13:30:42.038	21	0.00002	0	0.00379	1.729	0.000169	27
13:30:43.038	21	0.00002	0	0.00208	1.887	0.000184	28.4
13:30:44.038	21	0.00002	0.00001	0.00058	1.384	0.000135	28.1
13:30:45.038	21	0.00002	0.00001	0.00041	0.991	0.000097	27.8
13:30:46.038	21	0.00001	0	0.00348	1.424	0.000139	28.1
13:30:47.038	21	0.00001	0	0.00381	2.039	0.000199	28.4
13:30:48.038	21	0.00001	0.00001	0.00335	2.777	0.000271	29.2

4.00E-01	-7.500	0.400	0.000	0.369	3.000	1064	0.411	62.6	256.291162	265.901915	84.909181	2	0
3.00E-01	-7.500	0.300	0.000	0.281	3.000	1733	4.074	87.5	253.76604	288.914675	85.04507	1.324706	0
3.00E-01	-7.500	0.300	0.000	0.270	2.600	1796	8.062	78	253	314.836253	97.486385	0.231423	0
4.00E-01	-7.500	0.500	0.000	0.440	0.900	1799	10.873	69.2	253.680244	340.75783	109.9277	0.911422	0
9.00E-01	-7.500	1.000	0.000	0.877	0.000	1752	13.157	72	275.131507	366.679408	122.369014	2	0
1.40E+00	-7.500	1.600	0.000	1.420	0.000	1698	15.417	63.8	281.401299	374.341966	134.810329	2	0
2.10E+00	-7.500	2.300	0.000	2.053	0.000	1812	16.969	66.7	254.732047	371.049113	135.065728	2	0
2.10E+00	-7.500	2.300	0.000	2.080	0.000	1441	18.361	66.1	255	367.756259	132.71831	2	0
2.10E+00	-7.500	2.300	0.000	2.089	0.000	1392	19.905	66.8	255.27096	364.463405	130.370892	2	0
2.00E+00	-7.500	2.200	0.000	2.002	0.000	1485	20.86	72.8	295.530328	358.705353	128.023474	2	0
1.80E+00	-7.500	2.000	0.000	1.812	0.000	1569	22.341	70.2	255.8	348.225333	121.471978	2	0
1.70E+00	-7.500	1.900	0.000	1.708	0.000	1578	22.98	23.5	255.8	337.745313	111.67052	2	0
1.60E+00	-7.500	1.800	0.000	1.625	0.000	1604	22.98	36.1	255.8	327.265293	101.869063	2	0
1.40E+00	-7.500	1.500	0.000	1.389	0.000	1550	22.159	13	279.872202	313.966997	92.067605	3	0
1.00E+00	-7.600	1.100	0.000	1.042	1.000	1492	21.436	5.6	256.5	295.74446	80.176208	3.254625	0
4.00E-01	-7.700	0.400	0.000	0.401	1.000	1424	20.737	2.1	256.5	277.521924	66.802206	3.636678	0
1.00E-01	-7.800	0.100	0.000	0.103	0.700	1370	20.01	0.3	255.994947	259.299387	53.428203	3.531435	0
0.00E+00	-7.900	0.000	0.000	0.000	0.000	1303	19.19	0.2	250.094423	242.643795	40.0542	3.234177	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.000	1128	16.975	0	256.4125	237.265063	30.918393	3	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.000	964	14.481	0	255.8	231.886331	30.66574	3	0
0.00E+00	-7.900	-0.100	0.000	0.000	1.000	831	11.774	17.8	255.438424	226.507599	30.413087	3	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.600	901	8.785	31.4	240.596429	221.953129	30.160435	2.379032	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.000	774	5.62	39.4	255.8	228.520216	38.280485	0.994559	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.000	747	3.73	49.6	255.8	235.087304	60.966744	0	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.000	897	4.203	51.9	255.8	241.654391	83.653003	0	0
0.00E+00	-7.800	-0.100	0.000	0.000	0.000	1352	5.884	66.9	252.057965	252.042875	106.339263	0	0
0.00E+00	-7.700	-0.100	0.000	0.000	0.000	1519	8.985	72.7	257.324	279.155107	117.522359	0	0
0.00E+00	-7.700	-0.100	0.000	0.000	0.000	1605	11.796	80.7	258.110646	306.267339	116.539558	0	0
1.00E-01	-7.600	0.100	0.000	0.082	0.000	1695	14.672	79.8	259.552194	333.379571	115.556757	0	0
4.00E-01	-7.600	0.500	0.000	0.433	0.000	1808	17.558	51.4	303.705029	355.221654	114.573956	0.883005	0
9.00E-01	-7.600	1.000	0.000	0.883	0.000	1577	18.791	38.5	261.9728	358.487054	123.981651	1.099108	0
1.30E+00	-7.500	1.400	0.000	1.257	0.000	1408	19.627	64	262.6	361.752455	147.976006	3	0
1.30E+00	-7.500	1.400	0.000	1.281	0.000	1531	21.432	82.2	263.220672	365.017855	171.97036	2.765152	0
1.30E+00	-7.500	1.400	0.000	1.271	0.000	1678	23.752	56.8	300.01731	368.283256	195.964714	1.024752	0
1.90E+00	-7.500	2.100	0.000	1.857	0.000	1759	25.46	25.4	266.778927	347.829671	209.427088	0.75032	0
2.50E+00	-7.400	2.800	0.000	2.549	0.000	1763	25.46	3.3	265.261681	324.8282	169.59126	2.57998	0
2.60E+00	-7.400	2.800	0.000	2.619	0.000	1738	25.203	0	265.3	301.826729	129.755432	3	0
2.00E+00	-7.400	2.100	0.000	2.038	0.000	1735	24.84	19.8	268.124488	278.825257	89.919604	3	0
1.30E+00	-7.400	1.300	0.000	1.287	0.000	1760	25.372	51.3	266.219717	271.370066	51.027981	1.79436	0
6.00E-01	-7.400	0.600	0.000	0.588	0.000	1776	26.08	40.9	266	267.21257	52.244526	0.090659	0
6.00E-01	-7.400	0.600	0.000	0.563	0.000	1554	26.08	1.1	266	263.055075	53.461071	0	0
6.00E-01	-7.500	0.600	0.000	0.559	0.200	1397	25.743	14.1	264.172348	258.897579	54.677616	0	0
6.00E-01	-7.400	0.600	0.000	0.569	1.000	1438	25.916	40.8	265.288276	261.683677	55.894161	0	0
5.00E-01	-7.400	0.500	0.000	0.486	0.800	1465	26.557	46	266.7	266.960413	64.145889	0	0
2.00E-01	-7.400	0.200	0.000	0.197	0.000	1497	27.262	54.5	266.107001	272.237148	73.068001	0	0
2.00E-01	-7.400	0.200	0.000	0.187	0.000	1535	27.95	54.7	266.943205	277.513884	81.990113	0	0
2.00E-01	-7.400	0.200	0.000	0.186	0.700	1573	28.255	67.4	270.779677	278.554438	90.912226	0	0

0.22299	0.02539	4.68474	8166.693
0.22301	0.02545	4.68806	8171.512
0.22303	0.02551	4.69524	8178.474
0.22307	0.02553	4.69935	8186.382
0.22313	0.02553	4.70141	8192.253
0.22321	0.02553	4.70348	8197.297
0.22332	0.02553	4.70593	8201.977
0.22341	0.02553	4.70784	8205.638
0.2235	0.02553	4.70924	8208.902
0.22359	0.02553	4.71163	8212.612
0.22367	0.02553	4.71385	8216.501
0.22374	0.02553	4.7152	8220.014
0.2238	0.02553	4.71584	8222.872
0.22384	0.02553	4.71613	8224.931
0.22386	0.02554	4.71614	8226.149
0.22387	0.02555	4.71644	8226.938
0.22387	0.02555	4.71686	8227.454
0.22387	0.02555	4.71728	8227.761
0.22387	0.02555	4.71768	8227.946
0.22387	0.02555	4.7181	8228.069
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0.22387	0.02555	4.71948	8228.297
0.22387	0.02555	4.72023	8228.378
0.22387	0.02555	4.72105	8228.458
0.22387	0.02555	4.72276	8228.694
0.22387	0.02555	4.72778	8230.034
0.22387	0.02555	4.7332	8232.791
0.22387	0.02555	4.73851	8237.236
0.22388	0.02555	4.74321	8243.291
0.22391	0.02555	4.74636	8249.316
0.22395	0.02555	4.74768	8253.237
0.22401	0.02555	4.74846	8256.895
0.22409	0.02555	4.74946	8261.38
0.22417	0.02555	4.75423	8266.363
0.22427	0.02555	4.75736	8271.007
0.22437	0.02555	4.7582	8274.072
0.22446	0.02555	4.7582	8275.918
0.22454	0.02555	4.7582	8277.067
0.2246	0.02555	4.7582	8277.93
0.22463	0.02555	4.76268	8279.219
0.22465	0.02555	4.76647	8280.948
0.22467	0.02555	4.76855	8282.835
0.22469	0.02556	4.76913	8284.219
0.22471	0.02557	4.76954	8285.21
0.22472	0.02557	4.77302	8286.634
0.22473	0.02557	4.77683	8288.673
0.22474	0.02558	4.78018	8291.45

13:30:49.038	21	0.00001	0.00001	0.00262	3.027	0.000295	29.8
13:30:50.038	21	0.00001	0.00001	0.00208	3.162	0.000308	30.1
13:30:51.038	21	0.00001	0.00001	0.00109	2.647	0.000258	30.3
13:30:52.038	21	0.00001	0.00001	0.00005	1.923	0.000187	30.7
13:30:53.038	21	0.00001	0.00001	0	1.2	0.000117	31.1
13:30:54.038	21	0	0	0.00152	0.905	0.000089	30.2
13:30:55.038	21	0	0	0.00227	1.098	0.000107	29.5
13:30:56.038	21	0	0	0.00172	1.095	0.000107	30.1
13:30:57.038	21	0	0	0.00045	0.707	0.000069	30.7
13:30:58.038	21	0	0	0.00001	0.381	0.000037	31.5
13:30:59.038	21	0	0	0.00042	0.186	0.000018	32.2
13:31:00.038	21	0	0	0.00084	0.106	0.000012	32.3
13:31:01.038	21	0	0	0.00114	0.073	0.000012	32.3
13:31:02.038	21	0	0	0.00127	0.06	0.000011	31.7
13:31:03.038	21	0	0	0.0013	0.061	0.000011	31.1
13:31:04.038	21	0	0	0.00169	0.08	0.000015	31.6
13:31:05.038	21	0	0	0.00178	0.18	0.000018	32
13:31:06.038	21	0	0	0.00396	0.651	0.000064	31.6
13:31:07.038	21	0	0	0.00542	1.636	0.00016	31.2
13:31:08.038	21	0	0	0.00474	2.767	0.00027	31.5
13:31:09.038	21	0.00004	0.00001	0.00242	2.656	0.000259	31.8
13:31:10.038	21	0.00005	0.00003	0.0001	1.763	0.000172	31.9
13:31:11.038	21	0.00005	0.00004	0.00016	1.115	0.000109	32
13:31:12.038	21	0.00004	0.00004	0.00173	1.056	0.000103	30.5
13:31:13.038	21	0.00003	0.00001	0.00409	1.45	0.000142	29.2
13:31:14.038	21	0.00003	0	0.00589	2.96	0.000289	29.1
13:31:15.038	21	0.00003	0	0.00457	3.798	0.00037	29
13:31:16.038	21	0.00005	0	0.00239	3.595	0.00035	30.3
13:31:17.038	21	0.00006	0	0.00182	3.156	0.000307	31.5
13:31:18.038	21	0.00007	0.00004	0.00108	2.785	0.000271	32
13:31:19.038	21	0.00006	0.00005	0.00092	1.986	0.000194	32.5
13:31:20.038	21	0.00004	0.00004	0.00101	1.561	0.000152	33.4
13:31:21.038	21	0.00003	0.00002	0.00052	0.994	0.000097	34.1
13:31:22.038	21	0.00002	0.00001	0.0005	0.707	0.000069	34.3
13:31:23.038	21	0.00002	0	0.00049	0.478	0.000047	34.4
13:31:24.038	21	0.00001	0	0.00056	0.293	0.000029	35.3
13:31:25.038	21	0	0	0.00056	0.167	0.000016	36.1
13:31:26.038	21	0	0	0.00062	0.102	0.00001	36.4
13:31:27.038	21	0	0	0.00098	0.075	0.000009	36.7
13:31:28.038	21	0	0	0.00104	0.056	0.000008	36.2
13:31:29.038	21	0	0	0.00083	0.045	0.000008	35.8
13:31:30.038	21	0	0	0.00081	0.038	0.000008	34.8
13:31:31.038	21	0	0	0.00075	0.036	0.000007	33.9
13:31:32.038	21	0	0	0.00064	0.032	0.000006	31.9
13:31:33.038	21	0	0	0.00064	0.032	0.000007	30.2
13:31:34.038	21	0	0	0.00061	0.033	0.000007	27.6
13:31:35.038	21	0	0	0.00058	0.029	0.000007	25.4

2.00E-01	-7.400	0.200	0.000	0.184	1.000	1617	29.413	60.1	266.920607	274.856213	85.063133	0	0
2.00E-01	-7.400	0.200	0.000	0.183	1.000	1632	30.331	15.6	267.17497	271.157988	74.701687	0	0
2.00E-01	-7.400	0.200	0.000	0.184	1.000	1653	29.81	5.4	266.663817	267.459763	64.340241	0.888	0
2.00E-01	-7.400	0.200	0.000	0.187	1.000	1666	30.038	28.4	266.616667	261.811614	53.978795	2.12619	0
2.00E-01	-7.500	0.200	0.000	0.190	0.800	1690	30.717	37.8	267.047431	253.426072	50.935696	2.480976	0
0.00E+00	-7.600	0.000	0.000	0.010	0.000	1707	31.05	13	266.98951	245.04053	52.454684	0.718129	0
0.00E+00	-7.600	0.000	0.000	0.000	0.000	1711	31.05	0	266.843014	236.654988	53.973671	0	0
0.00E+00	-7.600	0.000	0.000	0.000	0.000	1713	31.05	0	252.092496	228.031959	55.492658	0	0
0.00E+00	-7.600	0.000	0.000	0.000	0.000	1721	31.4	0	266.7	218.753608	48.637186	0	0
0.00E+00	-7.700	0.000	0.000	0.000	0.000	1731	31.67	0	266.238084	209.475258	37.58191	0.4637	0
0.00E+00	-7.700	-0.100	0.000	0.000	0.000	1742	31.67	0	266	200.196907	26.526633	0.367561	0
0.00E+00	-7.700	-0.200	0.000	0.000	0.000	1702	31.19	0	241.447594	192.781981	15.471357	0	0
0.00E+00	-7.700	-0.200	0.000	0.000	0.000	1655	30.43	0	265.3	188.331156	10.717757	0	0
0.00E+00	-7.700	-0.200	0.000	0.000	0.000	1636	29.983	0	264.833059	183.88033	8.848598	0	0
0.00E+00	-7.700	-0.200	0.000	0.000	0.000	1635	29.81	0	264.6	179.429505	6.979439	0	0
0.00E+00	-7.700	-0.200	0.000	0.000	0.000	1666	30.43	22	223.374382	179.562047	5.11028	0	0
0.00E+00	-7.700	-0.200	0.000	0.000	0.000	1697	30.589	41.9	263.849753	197.253097	10.462547	0	0
0.00E+00	-7.700	-0.200	0.000	0.000	0.000	1723	31.23	60.2	263.130552	214.944146	26.38015	0	0
0.00E+00	-7.700	-0.100	0.000	0.000	0.000	1747	31.67	63.3	262.237292	232.635195	42.297753	0	0
0.00E+00	-7.700	0.000	0.000	0.000	0.000	1707	31.67	37	258.375287	250.326244	58.215356	0	0
1.00E+00	-7.700	1.000	0.000	0.956	0.700	1654	30.445	10.1	260.923104	244.064857	72.035762	0	0
1.50E+00	-7.700	1.600	0.000	1.499	3.100	1578	29.215	16.3	261.2	235.94509	72.302642	3.843137	0
1.40E+00	-7.700	1.400	0.000	1.353	4.000	1551	28.337	22.5	260.280597	227.825324	72.569522	4.880247	0
1.00E+00	-7.700	1.000	0.000	0.978	3.400	1539	27.95	49.3	244.891391	219.705557	72.836402	4	0
8.00E-01	-7.700	0.800	0.000	0.769	0.800	1561	28.095	66.1	258.36777	239.491846	74.985124	2.926398	0
7.00E-01	-7.800	0.700	0.000	0.650	0.000	1607	28.88	70.2	257.661329	259.645692	80.114645	0	0
7.00E-01	-7.800	0.800	0.000	0.720	0.000	1664	30.151	65.1	256.811144	279.799538	85.244165	0	0
1.20E+00	-7.700	1.400	0.000	1.233	0.000	1701	31.042	47.7	275.456676	297.123735	90.373686	0.694842	0
1.60E+00	-7.700	1.800	0.000	1.624	0.400	1735	31.5	44.5	254.560085	284.752867	90.011269	2.12311	0
1.70E+00	-7.700	1.900	0.000	1.738	3.300	1767	32.667	33.1	253.6	272.381999	83.88682	3	0
1.70E+00	-7.800	1.800	0.000	1.681	4.700	1421	33.47	15.1	253.095227	260.011131	77.762371	3	0
1.50E+00	-7.800	1.600	0.000	1.504	4.300	1426	34.16	5.9	251.322404	247.627828	71.637923	3	0
1.30E+00	-7.800	1.400	0.000	1.331	3.500	1444	34.316	0	251.475924	235.199121	63.553333	3	0
1.10E+00	-7.800	1.100	0.000	1.065	2.300	1460	34.78	0	250.664261	222.770413	52.600952	3	0
8.00E-01	-7.800	0.800	0.000	0.787	0.700	1472	35.151	0	249.6	210.341706	41.648571	3	0
6.00E-01	-7.900	0.600	0.000	0.589	0.000	1483	35.4	0	227.931461	197.962083	30.69619	3	0
1.00E-01	-7.900	0.100	0.000	0.119	0.000	1483	35.4	0	248.279	192.545417	21.290005	2.158522	0
0.00E+00	-7.900	0.000	0.000	0.009	0.000	1477	35.263	0	247.6	187.12875	17.843427	2	0
0.00E+00	-7.900	0.000	0.000	0.000	0.000	1446	34.451	0	247.314742	181.712083	14.396849	1	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.000	1403	33.183	0	220.964449	176.295417	10.950271	0.473952	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.000	1361	32.297	0	243.451546	173.190938	7.85524	0	0
0.00E+00	-7.900	-0.200	0.000	0.000	0.000	1315	31.389	0	245.1	170.268541	6.849962	0	0
0.00E+00	-7.900	-0.200	0.000	0.000	0.000	1253	29.822	0	244.839742	167.346144	5.844685	0	0
0.00E+00	-8.000	-0.300	0.000	0.000	0.000	1163	27.886	0	218.488438	164.423748	4.839407	0	0
0.00E+00	-8.000	-0.300	0.000	0.000	0.000	1060	26.078	0	241.363642	162.40848	3.913158	0	0
0.00E+00	-8.000	-0.300	0.000	0.000	0.000	1297	23.817	0	243.3	160.547053	3.386842	0	0
0.00E+00	-8.000	-0.300	0.000	0.000	0.000	1189	21.857	0	243.3	158.685626	2.860526	0	0

0.22475	0.02559	4.7828	8294.477
0.22476	0.0256	4.78488	8297.639
0.22477	0.02561	4.78597	8300.286
0.22478	0.02562	4.78602	8302.209
0.22479	0.02563	4.78602	8303.409
0.22479	0.02563	4.78754	8304.314
0.22479	0.02563	4.78981	8305.412
0.22479	0.02563	4.79153	8306.507
0.22479	0.02563	4.79198	8307.214
0.22479	0.02563	4.79199	8307.595
0.22479	0.02563	4.79241	8307.781
0.22479	0.02563	4.79325	8307.887
0.22479	0.02563	4.79439	8307.96
0.22479	0.02563	4.79566	8308.02
0.22479	0.02563	4.79696	8308.081
0.22479	0.02563	4.79865	8308.161
0.22479	0.02563	4.80043	8308.341
0.22479	0.02563	4.80439	8308.992
0.22479	0.02563	4.80981	8310.628
0.22479	0.02563	4.81455	8313.395
0.22483	0.02564	4.81697	8316.051
0.22488	0.02567	4.81707	8317.814
0.22493	0.02571	4.81723	8318.929
0.22497	0.02575	4.81896	8319.985
0.225	0.02576	4.82305	8321.435
0.22503	0.02576	4.82894	8324.395
0.22506	0.02576	4.83351	8328.193
0.22511	0.02576	4.8359	8331.788
0.22517	0.02576	4.83772	8334.944
0.22524	0.0258	4.8388	8337.729
0.2253	0.02585	4.83972	8339.715
0.22534	0.02589	4.84073	8341.276
0.22537	0.02591	4.84125	8342.27
0.22539	0.02592	4.84175	8342.977
0.22541	0.02592	4.84224	8343.455
0.22542	0.02592	4.8428	8343.748
0.22542	0.02592	4.84336	8343.915
0.22542	0.02592	4.84398	8344.017
0.22542	0.02592	4.84496	8344.092
0.22542	0.02592	4.846	8344.148
0.22542	0.02592	4.84683	8344.193
0.22542	0.02592	4.84764	8344.231
0.22542	0.02592	4.84839	8344.267
0.22542	0.02592	4.84903	8344.299
0.22542	0.02592	4.84967	8344.331
0.22542	0.02592	4.85028	8344.364
0.22542	0.02592	4.85086	8344.393

13:31:36.038	21	0	0	0.00057	0.028	0.000007	24.1
13:31:37.038	21	0	0	0.00105	0.054	0.000012	23
13:31:38.038	21	0	0	0.00194	0.091	0.000017	20.7
13:31:39.038	21	0	0	0.00353	0.577	0.000057	18.8
13:31:40.038	21	0	0	0.00508	1.347	0.000132	19.7
13:31:41.038	21	0.00001	0	0.00331	1.82	0.000178	20.5
13:31:42.038	21	0.00003	0	0.00154	1.498	0.000146	20.7
13:31:43.038	21	0.00005	0	0.00126	1.688	0.000165	20.8
13:31:44.038	21	0.00006	0	0.00135	1.503	0.000147	19.6
13:31:45.038	21	0.00005	0	0.00274	2.113	0.000206	18.5
13:31:46.038	21	0.00006	0	0.00804	4.057	0.000396	19.6
13:31:47.038	21	0.00008	0	0.00711	6.42	0.000625	20.6
13:31:48.038	21	0.0002	0	0.00373	5.846	0.000569	22.2
13:31:49.038	21	0.00022	0	0.00162	4.735	0.000461	23.5
13:31:50.038	21	0.00016	0	0.00025	2.627	0.000256	24.7
13:31:51.038	21	0.00016	0	0.0001	2.034	0.000198	25.7
13:31:52.038	21	0.00012	0	0.00284	2.411	0.000236	25.5
13:31:53.038	21	0.00008	0	0.00522	3.555	0.000347	25.3
13:31:54.038	21	0.00008	0	0.00437	4.55	0.000443	26.2
13:31:55.038	21	0.00009	0.00001	0.00355	5.913	0.000576	26.9
13:31:56.038	21	0.00011	0.00005	0.00323	6.978	0.000679	27.9
13:31:57.038	21	0.00011	0.00004	0.0036	7.327	0.000713	28.7
13:31:58.038	21	0.0001	0	0.00278	6.2	0.000603	29.7
13:31:59.038	21	0.00009	0	0.00301	5.541	0.000539	30.6
13:32:00.038	21	0.00009	0	0.00241	4.998	0.000486	31.3
13:32:01.038	21	0.00007	0	0.00168	3.826	0.000372	31.9
13:32:02.038	21	0.00006	0	0.00135	3.196	0.000311	32.3
13:32:03.038	21	0.00005	0.00002	0.00098	2.752	0.000268	32.7
13:32:04.038	21	0.00003	0.00003	0.00121	2.624	0.000256	33.9
13:32:05.038	21	0.00002	0.00003	0.00104	2.784	0.000271	35
13:32:06.038	21	0	0.00003	0.00242	3.212	0.000313	36.2
13:32:07.038	21	0	0.00001	0.00319	3.624	0.000353	37.3
13:32:08.038	21	0	0.00001	0.00269	3.942	0.000384	38.1
13:32:09.038	21	0	0	0.00175	3.737	0.000364	38.8
13:32:10.038	21	0	0.00001	0.00164	3.039	0.000296	39.4
13:32:11.038	21	0	0.00001	0.00088	2.095	0.000204	40
13:32:12.038	21	0	0.00002	0.00081	1.942	0.000189	39.1
13:32:13.038	21	0	0.00002	0.00096	1.662	0.000162	38.3
13:32:14.038	21	0	0.00001	0.00116	1.672	0.000163	37.6
13:32:15.038	21	0	0.00001	0.00125	1.985	0.000194	36.9
13:32:16.038	21	0	0.00001	0.00099	2.337	0.000228	36.8
13:32:17.038	21	0	0.00002	0.00164	2.819	0.000275	36.8
13:32:18.038	21	0	0.00002	0.00321	3.813	0.000372	35.1
13:32:19.038	21	0	0	0.00334	4.092	0.000398	33.7
13:32:20.038	21	0	0	0.00245	3.792	0.000369	34.9
13:32:21.038	21	0	0	0.00145	3.191	0.00031	36
13:32:22.038	21	0	0	0.00072	2.778	0.00027	36.1

0.00E+00	-8.000	-0.400	0.000	0.000	0.000	1081	20.603	0.6	210.909799	156.824199	2.334211	0	0
0.00E+00	-8.000	-0.400	0.000	0.000	0.000	1328	19.115	16.7	242.400792	170.246087	12.082405	0	0
0.00E+00	-8.000	-0.400	0.000	0.000	0.000	1383	18.943	59.1	241.780608	183.869275	39.705432	0	0
0.00E+00	-8.000	-0.400	0.000	0.000	0.000	1412	20.163	51.1	241.3	197.492464	67.328459	0	0
0.00E+00	-8.000	-0.300	0.000	0.000	0.000	1414	20.49	35.9	232.174	211.115652	94.951486	0	0
4.00E-01	-8.000	0.500	0.000	0.420	0.000	1398	19.936	35.3	238.417122	213.826103	121	0	0
1.30E+00	-8.000	1.400	0.000	1.256	0.000	1322	19.316	0.4	240.091087	214.565304	121	0	0
1.50E+00	-8.000	1.600	0.000	1.496	0.000	1301	18.63	22.9	240	215.304505	121	0.798837	0
1.40E+00	-8.000	1.500	0.000	1.433	0.000	1347	18.796	65.6	237.019197	216.043705	121	2.00625	0
1.10E+00	-8.000	1.100	0.000	1.054	0.000	1402	19.858	79.9	232.920166	229.950741	121	2.267857	0
9.00E-01	-8.100	1.000	0.000	0.920	0.000	1500	21.255	86.7	239.05798	256.110473	124.60906	0	0
1.20E+00	-8.100	1.300	0.000	1.155	0.000	1610	22.688	84.3	238.303756	282.270206	129.642617	0.518692	0
3.20E+00	-8.000	3.600	0.000	3.209	0.000	1698	24.245	39.7	237.511734	308.429938	134.676174	3.311927	0
4.00E+00	-8.000	4.500	0.000	4.040	0.000	1686	24.663	19.9	270.982849	323.575065	139.709732	5	0
4.20E+00	-8.000	4.500	0.000	4.153	0.000	1676	23.956	26.3	236.9	316.953233	139.340743	5.203074	0
3.50E+00	-8.000	3.700	0.000	3.527	0.000	1682	24.051	54.6	236.364615	310.331402	134.461372	5.578462	0
2.40E+00	-8.000	2.600	0.000	2.408	0.000	1719	24.22	76.3	235.538617	303.709571	129.582001	2.771429	0
1.50E+00	-8.000	1.600	0.000	1.495	0.000	1783	25.538	70.2	252.071601	307.563138	124.702629	0	0
1.40E+00	-8.000	1.500	0.000	1.367	0.000	1848	26.513	69.3	235.108644	323.22939	114.63591	0	0
1.40E+00	-7.900	1.500	0.000	1.359	0.400	1915	27.352	72.3	234.333333	338.895641	103.696552	0	0
1.40E+00	-7.900	1.500	0.000	1.356	2.000	1995	28.686	75.1	243.313125	354.561893	92.757194	0	0
1.40E+00	-7.900	1.500	0.000	1.354	1.600	1916	29.698	74.1	275.97232	364.812187	81.817836	0	0
1.40E+00	-7.900	1.500	0.000	1.356	0.000	1750	31.181	73.4	235.229639	368.575237	79.746159	0.347985	0
1.40E+00	-7.900	1.600	0.000	1.439	0.000	1790	32.65	74.4	235.946611	372.338286	82.428432	1	0
1.50E+00	-7.900	1.700	0.000	1.530	0.000	1834	33.556	60.9	236.1	376.101335	85.110705	1	0
1.60E+00	-7.900	1.800	0.000	1.629	0.000	1653	34.339	58.7	290.722743	374.284034	87.792977	2	0
1.60E+00	-7.900	1.800	0.000	1.636	0.000	1475	34.78	42.4	236.9	361.438896	87.158776	2	0
1.50E+00	-7.900	1.600	0.000	1.460	2.000	1490	34.78	43.7	237.219877	348.593758	83.811095	2	0
9.00E-01	-7.900	1.000	0.000	0.949	3.000	1497	35.304	53.6	237.980138	335.748619	80.463415	2	0
4.00E-01	-7.900	0.400	0.000	0.394	2.000	1516	35.446	66.7	280.209745	325.831293	77.115734	2	0
1.00E-01	-7.900	0.100	0.000	0.099	1.800	1543	36.164	76.2	239.016757	330.107862	75.496894	1.993478	0
0.00E+00	-7.900	0.000	0.000	0.000	1.000	1572	36.916	65.7	240	334.38443	76.847151	1	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.800	1598	37.714	61.4	240.404286	338.660999	78.197408	1	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.000	1604	37.88	39.5	282.085703	339.900979	79.547664	1	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.900	1394	37.533	40.5	242.624138	332.761804	79.656153	1.335159	0
0.00E+00	-7.900	-0.100	0.000	0.000	1.700	1230	37.26	45.6	243.694884	325.622629	79.13909	2	0
0.00E+00	-7.900	-0.100	0.000	0.000	2.700	1213	36.717	56	243.9	318.483454	78.622027	2	0
0.00E+00	-8.000	-0.200	0.000	0.000	2.600	1197	36.361	47.3	266.109245	313.677659	78.104964	1.869697	0
0.00E+00	-8.100	-0.300	0.000	0.000	1.800	1180	35.591	46	244.884748	312.583511	78.769119	1	0
0.00E+00	-8.100	-0.300	0.000	0.000	1.000	1184	35.4	51.1	245.648471	311.489364	79.734138	1	0
0.00E+00	-8.100	-0.300	0.000	0.000	1.200	1172	34.78	70	250.803167	310.395216	80.699156	1	0
0.00E+00	-8.100	-0.300	0.000	0.000	2.000	1164	34.78	82.8	267.464028	313.998855	81.664174	0.833139	0
0.00E+00	-8.100	-0.300	0.000	0.000	1.600	1165	34.78	88.1	248.278696	323.20687	98.026085	0	0
0.00E+00	-8.000	-0.300	0.000	0.000	0.000	1168	34.78	74.7	249.418013	332.414885	122.605969	0	0
0.00E+00	-8.000	-0.100	0.000	0.000	0.000	1158	34.78	47.7	250.238698	341.622901	147.185854	0.716152	0
0.00E+00	-7.900	0.000	0.000	0.000	0.000	1166	34.16	58.3	290.458396	348.849889	171.765739	1	0
0.00E+00	-7.900	0.000	0.000	0.000	0.000	1157	34.16	68.7	251.962444	350.554013	170.941757	2	0

0.22542	0.02592	4.85143	8344.421
0.22542	0.02592	4.85248	8344.475
0.22542	0.02592	4.85442	8344.566
0.22542	0.02592	4.85795	8345.143
0.22542	0.02592	4.86303	8346.49
0.22543	0.02592	4.86634	8348.31
0.22546	0.02592	4.86788	8349.808
0.22551	0.02592	4.86914	8351.496
0.22557	0.02592	4.87049	8352.999
0.22562	0.02592	4.87323	8355.112
0.22568	0.02592	4.88127	8359.169
0.22576	0.02592	4.88838	8365.589
0.22596	0.02592	4.89211	8371.435
0.22618	0.02592	4.89373	8376.17
0.22634	0.02592	4.89398	8378.797
0.2265	0.02592	4.89408	8380.831
0.22662	0.02592	4.89692	8383.242
0.2267	0.02592	4.90214	8386.797
0.22678	0.02592	4.90651	8391.347
0.22687	0.02593	4.91006	8397.26
0.22698	0.02598	4.91329	8404.238
0.22709	0.02602	4.91689	8411.565
0.22719	0.02602	4.91967	8417.765
0.22728	0.02602	4.92268	8423.306
0.22737	0.02602	4.92509	8428.304
0.22744	0.02602	4.92677	8432.13
0.2275	0.02602	4.92812	8435.326
0.22755	0.02604	4.9291	8438.078
0.22758	0.02607	4.93031	8440.702
0.2276	0.0261	4.93135	8443.486
0.2276	0.02613	4.93377	8446.698
0.2276	0.02614	4.93696	8450.322
0.2276	0.02615	4.93965	8454.264
0.2276	0.02615	4.9414	8458.001
0.2276	0.02616	4.94304	8461.04
0.2276	0.02617	4.94392	8463.135
0.2276	0.02619	4.94473	8465.077
0.2276	0.02621	4.94569	8466.739
0.2276	0.02622	4.94685	8468.411
0.2276	0.02623	4.9481	8470.396
0.2276	0.02624	4.94909	8472.733
0.2276	0.02626	4.95073	8475.552
0.2276	0.02628	4.95394	8479.365
0.2276	0.02628	4.95728	8483.457
0.2276	0.02628	4.95973	8487.249
0.2276	0.02628	4.96118	8490.44
0.2276	0.02628	4.9619	8493.218

13:32:23.038	21	0	0	0.00111	2.968	0.000289	36.1
13:32:24.038	21	0	0	0.00165	3.183	0.00031	36.1
13:32:25.038	21	0	0	0.00185	3.28	0.000319	36.1
13:32:26.038	21	0	0	0.00161	3.126	0.000304	35.4
13:32:27.038	21	0	0	0.0012	2.911	0.000283	34.8
13:32:28.038	21	0	0	0.00135	2.778	0.00027	35.2
13:32:29.038	21	0	0	0.00128	2.709	0.000264	35.6
13:32:30.038	21	0	0	0.00167	2.768	0.00027	35.9
13:32:31.038	21	0	0.00001	0.00157	2.427	0.000236	36.1
13:32:32.038	21	0	0	0.00098	1.707	0.000166	35.7
13:32:33.038	21	0	0	0.00102	2.025	0.000197	35.4
13:32:34.038	21	0	0	0.00096	1.987	0.000193	35.2
13:32:35.038	21	0	0	0.00032	1.651	0.000161	35.1
13:32:36.038	21	0	0	0.00026	1.417	0.000138	34.4
13:32:37.038	21	0	0.00001	0.00094	1.317	0.000129	33.8
13:32:38.038	21	0	0	0.0018	1.489	0.000145	32.6
13:32:39.038	21	0	0	0.00212	1.779	0.000174	31.6
13:32:40.038	21	0	0	0.00145	1.885	0.000184	31.7
13:32:41.038	21	0	0	0.00119	2.253	0.000219	31.8
13:32:42.038	21	0	0	0.00084	1.992	0.000194	30.3
13:32:43.038	21	0	0.00001	0.00067	1.63	0.000159	29
13:32:44.038	21	0	0.00001	0.00068	1.315	0.000128	29
13:32:45.038	21	0	0.00001	0.00077	1.053	0.000103	29
13:32:46.038	21	0	0.00001	0.00079	1.02	0.0001	27.1
13:32:47.038	21	0	0.00001	0.00065	0.939	0.000092	25.4
13:32:48.038	21	0	0	0.00049	0.705	0.000069	22
13:32:49.038	21	0	0	0.00037	0.496	0.000048	19
13:32:50.038	21	0	0	0.0004	0.452	0.000044	16.9
13:32:51.038	21	0	0	0.00036	0.3	0.000029	15.2
13:32:52.038	21	0	0	0.0004	0.177	0.000017	11.4
13:32:53.038	21	0	0	0.00076	0.146	0.000014	8.2
13:32:54.038	21	0	0	0.00101	0.186	0.000018	5.8
13:32:55.038	21	0	0	0.00113	0.312	0.000031	3.7
13:32:56.038	21	0	0	0.00121	0.48	0.000047	1.7
13:32:57.038	21	0	0	0.00139	0.663	0.000065	0
13:32:58.038	21	0	0	0.00147	0.899	0.000088	0
13:32:59.038	21	0	0	0.00184	1.811	0.000177	0
13:33:00.038	21	0	0.00003	0.00403	3.923	0.000383	0
13:33:01.038	21	0	0.00004	0.00652	7.062	0.000688	0
13:33:02.038	21	0	0	0.00616	8.796	0.000856	1.7
13:33:03.038	21	0.00007	0	0.00292	6.598	0.000642	3.1
13:33:04.038	21	0.00009	0	0.00339	6.139	0.000597	7.7
13:33:05.038	21	0.00011	0	0.00371	7.022	0.000683	11.7
13:33:06.038	21	0.0001	0	0.00334	6.805	0.000662	14.8
13:33:07.038	21	0.00012	0	0.00476	8.398	0.000816	17.5
13:33:08.038	21	0.00014	0	0.00563	10.049	0.000976	19.8
13:33:09.038	21	0.00014	0	0.00348	9.218	0.000895	21.9

0.00E+00	-7.900	0.000	0.000	0.000	0.000	1166	34.16	79.2	252.761234	352.258138	157.320338	2	0
0.00E+00	-7.900	-0.100	0.000	0.000	0.000	1159	34.708	84.2	253.503203	353.962262	143.69892	1.348754	0
0.00E+00	-7.900	-0.200	0.000	0.000	0.000	1168	34.78	72.3	300.50791	354.551349	130.077501	0.127318	0
0.00E+00	-7.900	-0.200	0.000	0.000	0.000	1166	34.78	61.5	255.201561	351.06925	119.185478	1	0
0.00E+00	-7.900	-0.200	0.000	0.000	0.000	1175	34.78	55.7	256.142199	347.587151	112.27019	1	0
0.00E+00	-7.900	-0.200	0.000	0.000	0.000	1175	34.268	59.4	256.5	344.105051	105.354902	1.570608	0
0.00E+00	-8.000	-0.300	0.000	0.000	0.000	1165	34.16	60.7	298.507143	340.143015	98.439615	2	0
0.00E+00	-8.000	-0.400	0.000	0.000	0.200	1160	34.16	62.9	257.8	333.157721	92.804214	1.995084	0
0.00E+00	-8.000	-0.400	0.000	0.000	0.600	1143	34.16	52.9	257.8	326.172426	89.464029	1.011799	0
0.00E+00	-8.000	-0.500	0.000	0.000	0.000	1095	33.732	10.7	258.245056	319.187132	86.123844	1	0
0.00E+00	-8.000	-0.500	0.000	0.000	0.000	1069	32.939	20.3	283.11932	312.408979	82.783659	1	0
0.00E+00	-8.000	-0.500	0.000	0.000	0.000	1089	32.695	37.3	258.5	309.057739	82.814995	2.121246	0
0.00E+00	-8.000	-0.500	0.000	0.000	0.000	1088	31.98	46	258.5	305.706498	86.709834	3	0
0.00E+00	-8.100	-0.600	0.000	0.000	0.200	1080	31.67	66.8	258.932411	302.355257	90.604674	3	0
0.00E+00	-8.100	-0.700	0.000	0.000	0.600	1075	31.67	67.9	279.437321	299.451792	94.499513	2.198473	0
0.00E+00	-8.100	-0.800	0.000	0.000	0.000	1051	31.526	61.8	259.8	299.126059	96.020642	0	0
0.00E+00	-8.100	-0.800	0.000	0.000	0.000	1032	30.778	45.1	260.0621	298.800326	93.285004	0	0
0.00E+00	-8.100	-0.700	0.000	0.000	0.000	1015	29.97	39.8	260.982787	298.474593	90.549366	0	0
0.00E+00	-8.100	-0.700	0.000	0.000	0.000	1267	29.156	41.6	279.612633	297.005693	87.813728	0	0
0.00E+00	-8.100	-0.700	0.000	0.000	0.000	1193	28.307	41.5	261.300965	289.39864	84.838239	0	0
0.00E+00	-8.100	-0.800	0.000	0.000	1.000	1152	27.095	33.9	261.8	281.791587	81.390878	1	0
0.00E+00	-8.100	-0.800	0.000	0.000	1.000	1085	25.926	7.6	261.8	274.184534	77.943516	1	0
0.00E+00	-8.100	-0.800	0.000	0.000	1.700	964	23.461	2.2	264.705263	265.964374	74.496155	1	0
0.00E+00	-8.100	-0.800	0.000	0.000	2.000	1121	21.093	2.1	261.417434	255.078674	66.546793	1	0
0.00E+00	-8.100	-0.900	0.000	0.000	1.800	1268	18.596	0.3	261.8	244.192974	55.145368	1	0
0.00E+00	-8.100	-0.900	0.000	0.000	0.700	1126	17	0	261.34418	233.307274	43.743943	1	0
0.00E+00	-8.100	-0.900	0.000	0.000	0.000	964	14.736	11	243.048953	224.179099	32.342518	1	0
0.00E+00	-8.100	-0.900	0.000	0.000	0.000	756	11.269	28.1	261.2	225.414265	32.086754	1	0
0.00E+00	-8.100	-1.000	0.000	0.000	0.000	847	8.356	40.6	261.2	226.649431	51.993364	1	0
0.00E+00	-8.200	-1.000	0.000	0.000	0.000	761	5.22	43.9	261.2	227.884597	71.899975	1	0
0.00E+00	-8.200	-1.000	0.000	0.000	0.000	752	2.688	46.3	248.205273	229.150963	91.806586	0.378806	0
0.00E+00	-8.200	-1.000	0.000	0.000	0.000	752	1.158	46.8	261.8	232.33613	105.865574	0	0
0.00E+00	-8.200	-1.000	0.000	0.000	0.000	748	0.536	50.1	261.8	235.521298	105.39719	0	0
0.00E+00	-8.200	-1.000	0.000	0.000	0.000	757	0	50.2	261.8	238.706465	104.928806	0	0
0.00E+00	-8.200	-0.900	0.000	0.000	0.000	755	0	67.5	256.083291	241.891633	104.460422	0	0
0.00E+00	-8.200	-0.800	0.000	0.000	0.000	901	0	97	260.505071	258.621148	104.058902	0	0
0.00E+00	-8.200	-0.800	0.000	0.000	0.300	1163	0.742	95.1	263.268817	278.548402	107.523721	0	0
0.00E+00	-8.200	-0.800	0.000	0.000	1.400	1561	3.658	86.3	262.907674	298.475656	110.988539	0	0
0.00E+00	-8.200	-0.700	0.000	0.000	1.600	1822	7.584	80.1	284.514761	318.40291	114.453358	0	0
0.00E+00	-8.100	-0.300	0.000	0.000	0.000	1893	10.842	72.1	264.693706	339.992195	120.428118	0	0
1.00E+00	-8.000	1.100	0.000	1.008	0.000	1845	13.273	66.8	266	361.650732	133.364413	0.90991	0
1.30E+00	-8.000	1.500	0.000	1.347	0.000	1749	15.595	81.6	266	383.309268	146.300708	1	0
1.50E+00	-7.900	1.700	0.000	1.520	0.000	1846	17.639	84.6	312.363636	404.967805	159.237003	1	0
1.50E+00	-7.900	1.700	0.000	1.516	0.000	1416	19.259	84.8	270.008235	420.104817	171.433797	1	0
1.50E+00	-7.900	1.700	0.000	1.510	0.000	1524	21.101	91.5	266.7	434.180185	179.9683	1	0
1.60E+00	-7.900	1.800	0.000	1.581	0.000	1648	23.42	89.6	267.517016	448.255553	188.502804	1.113208	0
1.60E+00	-7.800	1.800	0.000	1.592	0.000	1775	25.02	85	326.340462	462.330921	197.037308	2	0

0.2276	0.02628	4.96301	8496.186
0.2276	0.02628	4.96466	8499.369
0.2276	0.02628	4.96651	8502.649
0.2276	0.02628	4.96812	8505.775
0.2276	0.02628	4.96932	8508.686
0.2276	0.02628	4.97067	8511.464
0.2276	0.02628	4.97195	8514.173
0.2276	0.02628	4.97362	8516.941
0.2276	0.02629	4.97519	8519.368
0.2276	0.02629	4.97617	8521.075
0.2276	0.02629	4.97719	8523.1
0.2276	0.02629	4.97815	8525.087
0.2276	0.02629	4.97847	8526.738
0.2276	0.02629	4.97873	8528.155
0.2276	0.0263	4.97967	8529.472
0.2276	0.0263	4.98147	8530.961
0.2276	0.0263	4.98359	8532.74
0.2276	0.0263	4.98504	8534.625
0.2276	0.0263	4.98623	8536.878
0.2276	0.0263	4.98707	8538.87
0.2276	0.02631	4.98774	8540.5
0.2276	0.02632	4.98842	8541.815
0.2276	0.02633	4.98919	8542.868
0.2276	0.02634	4.98998	8543.888
0.2276	0.02635	4.99063	8544.827
0.2276	0.02635	4.99112	8545.532
0.2276	0.02635	4.99149	8546.028
0.2276	0.02635	4.99189	8546.48
0.2276	0.02635	4.99225	8546.78
0.2276	0.02635	4.99265	8546.957
0.2276	0.02635	4.99341	8547.103
0.2276	0.02635	4.99442	8547.289
0.2276	0.02635	4.99555	8547.601
0.2276	0.02635	4.99676	8548.081
0.2276	0.02635	4.99815	8548.744
0.2276	0.02635	4.99962	8549.643
0.2276	0.02635	5.00146	8551.454
0.2276	0.02638	5.00549	8555.377
0.2276	0.02642	5.01201	8562.439
0.2276	0.02642	5.01817	8571.235
0.22767	0.02642	5.02109	8577.833
0.22776	0.02642	5.02448	8583.972
0.22787	0.02642	5.02819	8590.994
0.22797	0.02642	5.03153	8597.799
0.22809	0.02642	5.03629	8606.197
0.22823	0.02642	5.04192	8616.246
0.22837	0.02642	5.0454	8625.464

13:33:10.038	21	0.00012	0	0.00172	7.624	0.000741	23.9
13:33:11.038	21	0.00013	0	0.00358	8.157	0.000793	25.5
13:33:12.038	21	0.00012	0.00002	0.00282	7.717	0.00075	26.7
13:33:13.038	21	0.00008	0.00001	0.00266	6.928	0.000674	27.8
13:33:14.038	21	0.00005	0	0.00274	5.669	0.000552	28.6
13:33:15.038	21	0.00004	0	0.00252	5.017	0.000488	29.2
13:33:16.038	21	0.00003	0	0.00293	5.267	0.000513	30.8
13:33:17.038	21	0.00003	0	0.00316	5.761	0.000561	32.2
13:33:18.038	21	0.00002	0	0.00251	5.37	0.000522	33.8
13:33:19.038	21	0.00001	0	0.00198	4.588	0.000446	35.1
13:33:20.038	21	0	0	0.00173	3.974	0.000387	35.5
13:33:21.038	21	0	0.00001	0.00159	3.642	0.000354	35.8
13:33:22.038	21	0	0.00001	0.00144	3.498	0.000341	37.2
13:33:23.038	21	0	0.00001	0.00152	3.533	0.000344	38.4
13:33:24.038	21	0	0.00001	0.00168	3.596	0.00035	38.7
13:33:25.038	21	0	0	0.00175	4.011	0.00039	38.9
13:33:26.038	21	0	0.00001	0.00155	4.208	0.00041	40
13:33:27.038	21	0	0.00001	0.00139	4.247	0.000413	40.9
13:33:28.038	21	0	0.00003	0.00153	3.997	0.000389	41.8
13:33:29.038	21	0	0.00003	0.00151	3.873	0.000377	42.6
13:33:30.038	21	0	0.00003	0.00151	3.355	0.000327	41.4
13:33:31.038	21	0	0.00003	0.00081	2.481	0.000242	40.4
13:33:32.038	21	0	0.00003	0.00022	1.678	0.000164	40.1
13:33:33.038	21	0	0.00002	0.00035	1.118	0.000109	39.8
13:33:34.038	21	0	0.00001	0.0007	0.818	0.00008	39.9
13:33:35.038	21	0	0	0.001	0.761	0.000074	40
13:33:36.038	21	0	0	0.00185	0.947	0.000093	38.1
13:33:37.038	21	0	0	0.00282	1.609	0.000157	36.4
13:33:38.038	21	0	0	0.00324	2.465	0.000241	35.7
13:33:39.038	21	0	0	0.00265	2.529	0.000247	35.1
13:33:40.038	21	0	0	0.00181	2.474	0.000241	35
13:33:41.038	21	0	0	0.00118	2.328	0.000227	35
13:33:42.038	21	0	0	0.0007	2.215	0.000216	34.9
13:33:43.038	21	0	0	0.00059	2.169	0.000211	34.8
13:33:44.038	21	0	0	0.00119	2.646	0.000258	34.8
13:33:45.038	21	0	0.00001	0.00267	3.632	0.000354	34.8
13:33:46.038	21	0	0	0.0038	4.272	0.000416	34.4
13:33:47.038	21	0	0	0.0031	4.205	0.000409	34.1
13:33:48.038	21	0	0	0.00262	4.511	0.000438	34.6
13:33:49.038	21	0	0	0.00257	4.873	0.000474	35.1
13:33:50.038	21	0	0	0.00314	5.956	0.000579	34.8
13:33:51.038	21	0	0	0.00401	7.273	0.000706	34.5
13:33:52.038	21	0	0	0.00519	7.796	0.000757	34.8
13:33:53.038	21	0	0	0.00465	7.14	0.000694	35
13:33:54.038	21	0.00001	0	0.00242	4.117	0.0004	35.1
13:33:55.038	21	0.00002	0	0.00139	2.973	0.000289	35.1
13:33:56.038	21	0.00002	0	0.00075	1.799	0.000175	36

1.60E+00	-7.800	1.800	0.000	1.604	0.000	1856	26.576	81.9	284.279147	461.399604	203.494568	2	0
1.60E+00	-7.800	1.800	0.000	1.608	0.000	1944	27.954	76	270.078122	457.88214	181.025432	2	0
1.50E+00	-7.800	1.700	0.000	1.529	0.700	2016	28.731	73.3	272.239782	454.364677	158.556296	2	0
1.10E+00	-7.800	1.200	0.000	1.094	0.300	1803	29.995	72.7	326.268666	450.847213	136.08716	1.61577	0
8.00E-01	-7.900	0.900	0.000	0.810	0.000	1707	30.952	71	293.826992	447.130472	113.974275	1	0
6.00E-01	-7.900	0.700	0.000	0.639	0.000	1740	31.71	69.7	277.626415	443.368796	112.461034	1	0
5.00E-01	-7.900	0.500	0.000	0.460	0.000	1779	32.443	76.6	279.139834	439.607119	110.947793	1	0
5.00E-01	-7.900	0.500	0.000	0.451	0.000	1831	33.282	71.7	321.754344	435.845443	109.434552	1	0
3.00E-01	-7.900	0.300	0.000	0.278	0.000	1879	34.09	66.7	294.843118	427.357054	107.655303	1	0
2.00E-01	-7.900	0.200	0.000	0.189	0.000	1591	34.716	63.5	284.895562	418.067059	101.026515	1	0
0.00E+00	-7.900	0.000	0.000	0.008	0.000	1515	36.02	64.5	286.483449	408.777063	94.397727	1	0
0.00E+00	-7.800	-0.100	0.000	0.000	1.000	1536	36.187	56.2	298.711504	399.487068	87.768939	1	0
0.00E+00	-7.800	-0.200	0.000	0.000	1.000	1553	36.64	60.3	315.211067	394.087724	81.140152	1	0
0.00E+00	-7.900	-0.200	0.000	0.000	1.000	1574	37.056	69	290.555255	392.323166	79.389681	1	0
0.00E+00	-7.900	-0.200	0.000	0.000	1.000	1595	37.88	70.7	291.964048	390.558609	78.65258	1	0
0.00E+00	-8.000	-0.200	0.000	0.000	0.300	1623	38.017	71.6	301.240466	388.794051	77.915479	0.049412	0
0.00E+00	-8.000	-0.200	0.000	0.000	0.700	1647	38.827	70.8	319.288059	386.952125	77.178378	0	0
0.00E+00	-8.000	-0.200	0.000	0.000	1.000	1674	39.526	68.2	296.298571	385.046898	74.046274	0.422198	0
0.00E+00	-8.000	-0.200	0.000	0.000	2.000	1698	39.751	57.8	297.472041	383.141671	70.149537	1	0
0.00E+00	-8.000	-0.200	0.000	0.000	2.000	1694	40.245	48.9	304.201739	381.236444	66.252801	1	0
0.00E+00	-8.000	-0.200	0.000	0.000	2.400	1540	39.484	29.6	325.274173	371.557222	62.356064	0.175981	0
0.00E+00	-8.000	-0.300	0.000	0.000	3.000	1309	38.771	21.4	300.564094	352.603762	64.463898	1.342252	0
0.00E+00	-8.000	-0.300	0.000	0.000	3.000	1245	38.053	15.6	301.375833	333.650301	69.776624	2	0
0.00E+00	-8.000	-0.300	0.000	0.000	2.000	1220	37.255	16.7	301.6	314.696841	75.08935	2	0
0.00E+00	-8.100	-0.400	0.000	0.000	0.700	1207	36.487	22.4	301.6	303.433238	80.402077	2	0
0.00E+00	-8.200	-0.400	0.000	0.000	0.000	1178	35.772	40.8	301.921288	309.366047	86.738113	1	0
0.00E+00	-8.200	-0.400	0.000	0.000	0.000	1182	35.4	57.8	302.5	315.298856	94.053402	0.708964	0
0.00E+00	-8.200	-0.400	0.000	0.000	0.000	1194	35.4	67.7	302.989388	321.231665	101.368691	0	0
0.00E+00	-8.200	-0.300	0.000	0.000	0.000	1171	34.78	72.9	314.46414	326.460112	108.68398	0	0
0.00E+00	-8.200	-0.300	0.000	0.000	0.000	1164	34.78	58.1	304.079467	326.103968	112.269534	0	0
0.00E+00	-8.100	-0.300	0.000	0.000	0.000	1151	34.473	45.2	304.6	325.747825	110.48791	0	0
0.00E+00	-8.100	-0.100	0.000	0.000	0.000	1135	34.16	48.2	304.6	325.391682	108.706287	0.491249	0
0.00E+00	-8.100	-0.100	0.000	0.000	0.000	1133	33.458	54.8	314.153	327.255778	106.924663	1	0
0.00E+00	-8.100	-0.100	0.000	0.000	0.000	1116	32.91	65.9	304.6	339.166156	126.676219	1	0
0.00E+00	-8.100	-0.200	0.000	0.000	0.400	1112	32.91	85.2	304.844959	351.076533	169.662122	0.852839	0
0.00E+00	-8.100	-0.200	0.000	0.000	1.000	1110	32.91	93	305.3	362.98691	212.648024	0	0
0.00E+00	-8.100	-0.200	0.000	0.000	0.000	1120	33.41	83.4	332.040696	374.897288	255.633927	0	0
0.00E+00	-8.100	-0.100	0.000	0.000	0.000	1119	33.525	74	306.754196	383.711283	298.133237	0	0
0.00E+00	-8.100	-0.100	0.000	0.000	0.000	1135	32.91	81.5	305.3	392.331138	337.95945	0	0
0.00E+00	-8.100	-0.100	0.000	0.000	0.000	1113	32.91	90.2	305.595136	400.950993	377.785663	1	0
0.00E+00	-8.000	-0.100	0.000	0.000	0.000	1118	33.308	91.7	336.493773	409.570847	417.611875	1	0
0.00E+00	-8.100	-0.100	0.000	0.000	0.000	1144	34.061	90.2	316.08024	416.193747	457.176316	1	0
0.00E+00	-8.100	-0.100	0.000	0.000	0.000	1161	34.757	88.8	305.3	422.351265	473.205024	1	0
0.00E+00	-7.700	0.000	0.000	0.000	0.000	1179	34.884	68.3	303.98547	428.508783	489.233732	1	0
2.00E-01	-6.600	0.200	0.000	0.170	0.000	1166	35.151	42.2	328.147089	434.666301	505.26244	3	0
7.00E-01	-5.200	0.800	0.000	0.695	-0.700	1166	34.78	57.8	331.612751	427.47601	521.291148	3.751773	0
7.00E-01	-4.900	0.800	0.000	0.733	-0.600	1125	34.267	40	303.2	412.139471	446.702546	4.418002	0

0.22849	0.02642	5.04712	8633.088
0.22862	0.02642	5.0507	8641.245
0.22874	0.02644	5.05352	8648.962
0.22882	0.02645	5.05618	8655.89
0.22887	0.02645	5.05892	8661.559
0.22891	0.02645	5.06144	8666.576
0.22894	0.02645	5.06437	8671.843
0.22897	0.02645	5.06753	8677.604
0.22899	0.02645	5.07004	8682.974
0.229	0.02645	5.07202	8687.562
0.229	0.02645	5.07375	8691.536
0.229	0.02646	5.07534	8695.178
0.229	0.02647	5.07678	8698.676
0.229	0.02648	5.0783	8702.209
0.229	0.02649	5.07998	8705.805
0.229	0.02649	5.08173	8709.816
0.229	0.0265	5.08328	8714.024
0.229	0.02651	5.08467	8718.271
0.229	0.02654	5.0862	8722.268
0.229	0.02657	5.08771	8726.141
0.229	0.0266	5.08922	8729.496
0.229	0.02663	5.09003	8731.977
0.229	0.02666	5.09025	8733.655
0.229	0.02668	5.0906	8734.773
0.229	0.02669	5.0913	8735.591
0.229	0.02669	5.0923	8736.352
0.229	0.02669	5.09415	8737.299
0.229	0.02669	5.09697	8738.908
0.229	0.02669	5.10021	8741.373
0.229	0.02669	5.10286	8743.902
0.229	0.02669	5.10467	8746.376
0.229	0.02669	5.10585	8748.704
0.229	0.02669	5.10655	8750.919
0.229	0.02669	5.10714	8753.088
0.229	0.02669	5.10833	8755.734
0.229	0.0267	5.111	8759.366
0.229	0.0267	5.1148	8763.638
0.229	0.0267	5.1179	8767.843
0.229	0.0267	5.12052	8772.354
0.229	0.0267	5.12309	8777.227
0.229	0.0267	5.12623	8783.183
0.229	0.0267	5.13024	8790.456
0.229	0.0267	5.13543	8798.252
0.229	0.0267	5.14008	8805.392
0.22901	0.0267	5.1425	8809.509
0.22903	0.0267	5.14389	8812.482
0.22905	0.0267	5.14464	8814.281

13:33:57.038	20.1	0.00001	0	0.00094	1.533	0.000149	36.7
13:33:58.038	20.9	0.00002	0	0.00172	1.895	0.000185	35.4
13:33:59.038	20	0.00001	0	0.0017	2.307	0.000225	34.3
13:34:00.038	21	0.00001	0	0.00209	2.722	0.000265	33.3
13:34:01.038	20	0.00001	0	0.00283	3.787	0.000369	32.5
13:34:02.038	20	0.00001	0	0.00337	4.889	0.000475	33.5
13:34:03.038	20	0.00001	0	0.00306	5.287	0.000513	34.4
13:34:04.038	20	0.00001	0	0.00234	5.819	0.000565	34
13:34:05.038	20	0.00001	0	0.00188	4.448	0.000432	33.6
13:34:06.038	20	0.00001	0	0.00218	4.921	0.000478	33
13:34:07.038	20	0	0	0.00164	4.637	0.00045	32.5
13:34:08.038	20	0	0	0.0004	2.784	0.000271	32.4
13:34:09.038	20	0	0	0.00007	2.125	0.000207	32.3
13:34:10.038	20	0	0	0.00253	2.489	0.000243	31.7
13:34:11.038	20	0	0	0.00465	3.627	0.000354	31.2
13:34:12.038	20	0	0	0.00625	6.106	0.000594	32
13:34:13.038	20	0	0	0.0059	7.853	0.000763	32.7
13:34:14.038	20	0	0	0.00432	7.605	0.000739	33.1
13:34:15.038	20	0	0	0.00346	7.588	0.000737	33.5
13:34:16.038	20	0	0	0.00296	6.347	0.000616	35.1
13:34:17.038	20	0	0	0.00169	5.062	0.000492	36.4
13:34:18.038	20	0	0	0.00167	4.821	0.000469	37
13:34:19.038	20	0	0	0.00228	5.004	0.000487	37.6
13:34:20.038	20	0	0	0.00209	4.672	0.000454	38.3
13:34:21.038	20	0	0	0.00092	3.569	0.000347	38.9
13:34:22.038	20	0	0	0.00103	3.125	0.000304	38.8
13:34:23.038	20	0	0	0.00111	2.453	0.000239	38.7
13:34:24.038	20	0	0.00001	0.00072	1.387	0.000135	38.5
13:34:25.038	20	0	0.00002	0.00047	1.03	0.0001	38.4
13:34:26.038	20	0	0.00002	0.00023	0.839	0.000082	38.3
13:34:27.038	20	0	0.00001	0.00011	0.571	0.000056	38.3
13:34:28.038	20	0	0	0.00026	0.366	0.000036	39
13:34:29.038	20	0	0	0.00047	0.27	0.000026	39.6
13:34:30.038	20	0	0	0.0008	0.278	0.000027	39.2
13:34:31.038	20	0	0	0.00106	0.19	0.000019	38.8
13:34:32.038	20	0	0	0.00178	0.241	0.000024	38.4
13:34:33.038	20	0	0	0.00291	0.699	0.000069	38
13:34:34.038	20	0	0	0.00377	1.496	0.000146	38.1
13:34:35.038	20	0	0	0.00392	2.565	0.00025	38.1
13:34:36.038	20	0	0	0.0037	3.565	0.000347	38.1
13:34:37.038	20	0	0	0.00305	3.855	0.000375	38.1
13:34:38.038	20	0	0	0.0025	4.01	0.00039	38.3
13:34:39.038	20	0	0	0.00184	3.919	0.000381	38.4
13:34:40.038	20	0	0	0.00191	3.674	0.000357	38.6
13:34:41.038	20	0	0	0.00139	3.547	0.000345	38.7
13:34:42.038	20	0	0	0.00124	3.215	0.000313	38.6
13:34:43.038	20	0	0	0.00123	2.996	0.000291	38.6

6.00E-01	-5.300	0.700	0.000	0.640	0.000
6.00E-01	-6.200	0.600	0.000	0.554	0.000
4.00E-01	-6.700	0.400	0.000	0.374	0.000
3.00E-01	-7.200	0.300	0.000	0.282	0.000
2.00E-01	-7.500	0.200	0.000	0.187	0.000
2.00E-01	-7.600	0.200	0.000	0.177	0.000
2.00E-01	-7.600	0.200	0.000	0.175	0.000
2.00E-01	-7.600	0.200	0.000	0.175	0.000
2.00E-01	-7.600	0.200	0.000	0.175	0.000
2.00E-01	-7.600	0.200	0.000	0.175	0.000
1.00E-01	-7.600	0.100	0.000	0.089	0.000
0.00E+00	-7.600	0.000	0.000	0.007	0.000
0.00E+00	-7.700	-0.300	0.000	0.000	0.000
0.00E+00	-7.900	-0.700	0.000	0.000	0.000
0.00E+00	-8.000	-0.700	0.000	0.000	0.000
0.00E+00	-8.100	-0.700	0.000	0.000	0.000
0.00E+00	-8.100	-0.500	0.000	0.000	0.000
0.00E+00	-7.600	-0.400	0.000	0.000	0.000
0.00E+00	-6.300	-0.300	0.000	0.000	-0.400
0.00E+00	-6.000	-0.200	0.000	0.000	-1.000
0.00E+00	-6.000	-0.200	0.000	0.000	-1.000
0.00E+00	-6.100	-0.200	0.000	0.000	-1.000
0.00E+00	-6.500	-0.300	0.000	0.000	0.000
0.00E+00	-7.000	-0.300	0.000	0.000	0.000
0.00E+00	-7.300	-0.300	0.000	0.000	0.000
0.00E+00	-7.500	-0.300	0.000	0.000	0.000
0.00E+00	-7.600	-0.300	0.000	0.000	0.400
0.00E+00	-7.800	-0.400	0.000	0.000	2.400
0.00E+00	-7.900	-0.400	0.000	0.000	3.400
0.00E+00	-8.100	-0.400	0.000	0.000	3.300
0.00E+00	-8.400	-0.500	0.000	0.000	3.000
0.00E+00	-8.500	-0.600	0.000	0.000	0.600
0.00E+00	-8.600	-0.600	0.000	0.000	0.000
0.00E+00	-8.600	-0.600	0.000	0.000	0.000
0.00E+00	-8.600	-0.600	0.000	0.000	0.000
0.00E+00	-8.600	-0.700	0.000	0.000	0.000
0.00E+00	-8.600	-0.700	0.000	0.000	0.000
0.00E+00	-8.600	-0.600	0.000	0.000	0.000
0.00E+00	-8.600	-0.600	0.000	0.000	0.000
0.00E+00	-8.600	-0.500	0.000	0.000	0.000
0.00E+00	-8.600	-0.100	0.000	0.000	0.000
0.00E+00	-8.600	-0.100	0.000	0.000	0.000
0.00E+00	-8.500	-0.100	0.000	0.000	0.000
0.00E+00	-8.500	-0.100	0.000	0.000	0.000
0.00E+00	-8.500	-0.100	0.000	0.000	0.000
0.00E+00	-8.500	-0.100	0.000	0.000	0.000
0.00E+00	-8.500	-0.100	0.000	0.000	0.000

1091	32.897	40.8	303.2	396.802933	353.685153	3.223267	0
1100	32.29	64.6	307.914367	381.466394	260.667759	3	0
1083	31.94	80.3	319.390385	377.818691	167.650366	2.473846	0
1074	31.67	86.3	301.6	387.837544	205.237705	0.421111	0
1071	31.67	90.7	301.6	397.856396	263.383197	0	0
1080	32.014	92.4	329.111055	407.875249	321.528689	0	0
1089	32.29	91.5	317.497644	413.04995	379.67418	0	0
1093	32.29	89.3	303.01636	416.592663	377.44784	0.578171	0
1102	32.811	74.4	303.2	420.135377	372.706006	1	0
1083	32.29	49.7	326.897682	423.67809	367.964173	1.103041	0
1045	31.644	21	305.560154	415.464706	358.944123	2	0
1097	30.342	42.6	303.9	403.7	328.115607	2.909292	0
1308	29.81	68.1	304.122687	391.935294	297.287091	2.883397	0
1272	29.81	79.4	326.074874	380.170588	266.458574	1.244389	0
1292	30.332	87.6	312.61223	394.605973	236.285932	0	0
1333	31.122	91.9	306.120241	415.307304	260.113561	0	0
1381	32.612	91.1	307.651667	436.008634	283.941191	0	0
1438	33.826	86	341.241749	456.709964	307.768821	0.222494	0
1482	34.694	86.7	325.123565	460.627076	327.632509	1	0
1515	36.02	68.1	311.133919	456.351892	292.29682	1	0
1533	36.02	58.6	311.9	452.076708	256.961131	1	0
1547	36.254	73.7	333.635806	447.801523	221.625442	1.882051	0
1566	37.015	68.6	342.305251	439.774416	186.289753	0.629893	0
1575	37.26	59.2	313.3	429.266802	162.911514	0.581886	0
1578	37.26	60.4	314.1	418.759188	142.122601	1	0
1575	37.26	40.4	331.990633	408.251574	121.333689	1	0
1183	37.26	4.2	323.582769	389.268187	101.028724	1	0
1203	36.641	0.3	315.470033	365.957292	87.153359	1.773913	0
1201	36.64	0	314.705025	342.646397	73.277994	2.937278	0
1193	36.64	1.3	313.536613	319.335502	59.402629	3	0
1189	36.64	4.1	313.665199	304.208511	45.527264	3	0
1186	36.132	0.7	313.4744	293.468896	43.099753	3	0
1189	36.02	2	313.3	282.729281	41.124444	3	0
1189	36.02	23.8	304.995869	271.989666	39.149136	2.869186	0
1192	36.02	44.6	306.271698	276.579645	37.173827	1.533643	0
1198	36.02	51.1	314.1	287.645995	52.56853	0.461078	0
1199	36.566	68.6	314.68747	298.712346	69.639287	0	0
1208	36.64	74.4	315.5	309.778697	86.710045	0	0
1213	36.64	80.5	315.5	321.840587	103.780802	0	0
1213	36.64	84.4	316.680241	334.968097	109.946049	0	0
1210	36.64	73.8	317.720862	348.095607	114.481738	0	0
1205	36.64	75.2	320.618644	361.223117	119.017427	0	0
1197	36.359	75	334.081406	368.812361	123.553115	0	0
1189	36.02	75.7	319.535255	370.841142	123.870647	0	0
1185	36.02	75.4	320.126807	372.869922	122.212272	0	0
1177	35.439	64.6	320.6	374.898703	120.553897	0	0
1187	35.4	62.5	344.855107	375.356338	118.895522	0	0

0.22906	0.0267	5.14558	8815.814
0.22908	0.0267	5.1473	8817.709
0.22909	0.0267	5.149	8820.016
0.2291	0.0267	5.15109	8822.738
0.22911	0.0267	5.15392	8826.525
0.22912	0.0267	5.15729	8831.414
0.22913	0.0267	5.16035	8836.701
0.22914	0.0267	5.16269	8842.52
0.22915	0.0267	5.16457	8846.968
0.22916	0.0267	5.16675	8851.889
0.22916	0.0267	5.16839	8856.526
0.22916	0.0267	5.16879	8859.31
0.22916	0.0267	5.16886	8861.435
0.22916	0.0267	5.17139	8863.924
0.22916	0.0267	5.17604	8867.551
0.22916	0.0267	5.18229	8873.657
0.22916	0.0267	5.18819	8881.51
0.22916	0.0267	5.19251	8889.115
0.22916	0.0267	5.19597	8896.703
0.22916	0.0267	5.19893	8903.05
0.22916	0.0267	5.20062	8908.112
0.22916	0.0267	5.20229	8912.933
0.22916	0.0267	5.20457	8917.937
0.22916	0.0267	5.20666	8922.609
0.22916	0.0267	5.20758	8926.178
0.22916	0.0267	5.20861	8929.303
0.22916	0.0267	5.20972	8931.756
0.22916	0.02671	5.21044	8933.143
0.22916	0.02673	5.21091	8934.173
0.22916	0.02675	5.21114	8935.012
0.22916	0.02676	5.21125	8935.583
0.22916	0.02676	5.21151	8935.949
0.22916	0.02676	5.21198	8936.219
0.22916	0.02676	5.21278	8936.497
0.22916	0.02676	5.21384	8936.687
0.22916	0.02676	5.21562	8936.928
0.22916	0.02676	5.21853	8937.627
0.22916	0.02676	5.2223	8939.123
0.22916	0.02676	5.22622	8941.688
0.22916	0.02676	5.22992	8945.253
0.22916	0.02676	5.23297	8949.108
0.22916	0.02676	5.23547	8953.118
0.22916	0.02676	5.23731	8957.037
0.22916	0.02676	5.23922	8960.711
0.22916	0.02676	5.24061	8964.258
0.22916	0.02676	5.24185	8967.473
0.22916	0.02676	5.24308	8970.469

13:34:44.038	20	0	0	0.00125	2.887	0.000281	36.9
13:34:45.038	20	0	0	0.00141	2.758	0.000268	35.4
13:34:46.038	20	0	0	0.00171	2.701	0.000263	35.8
13:34:47.038	20	0	0	0.00134	2.608	0.000254	36.2
13:34:48.038	20	0	0.00001	0.00134	2.603	0.000253	36.7
13:34:49.038	20	0	0	0.00122	2.253	0.000219	37.1
13:34:50.038	20	0	0	0.00105	1.951	0.00019	36.8
13:34:51.038	20	0	0	0.00102	1.888	0.000184	36.6
13:34:52.038	20	0	0	0.00092	1.576	0.000154	36.4
13:34:53.038	20	0	0	0.0005	1.188	0.000116	36.2
13:34:54.038	20	0	0	0.00036	0.914	0.000089	35.3
13:34:55.038	20	0	0	0.00027	0.674	0.000066	34.5
13:34:56.038	20	0	0	0.0002	0.491	0.000048	34.8
13:34:57.038	20	0	0	0.00033	0.369	0.000036	35
13:34:58.038	20	0	0	0.00029	0.373	0.000036	34.6
13:34:59.038	20	0	0	0.00039	0.236	0.000023	34.2
13:35:00.038	20	0	0	0.00076	0.15	0.000015	34.2
13:35:01.038	20	0	0	0.00107	0.161	0.000016	34.2
13:35:02.038	20	0	0	0.00136	0.298	0.000029	33.6
13:35:03.038	20	0	0	0.00153	0.386	0.000038	33
13:35:04.038	20	0	0	0.00116	0.4	0.000039	33.6
13:35:05.038	20	0	0	0.00084	0.416	0.000041	34.1
13:35:06.038	20	0	0	0.00092	0.506	0.00005	32.6
13:35:07.038	20	0	0	0.00081	0.569	0.000056	31.4
13:35:08.038	20	0	0	0.00065	0.62	0.000061	26.8
13:35:09.038	20	0	0	0.00064	0.531	0.000052	22.9
13:35:10.038	20	0	0	0.00042	0.464	0.000045	19.2
13:35:11.038	20	0	0	0.0003	0.378	0.000037	16
13:35:12.038	20	0	0	0.00039	0.204	0.00002	12
13:35:13.038	20	0	0	0.00064	0.135	0.000013	8.5
13:35:14.038	20	0	0	0.00092	0.165	0.000016	6.3
13:35:15.038	20	0	0	0.00116	0.292	0.000029	4.5
13:35:16.038	20	0	0	0.0012	0.433	0.000042	3.6
13:35:17.038	20	0	0	0.00105	0.604	0.000059	2.8
13:35:18.038	20	0	0	0.00103	0.772	0.000075	1.3
13:35:19.038	20	0	0	0.00094	0.861	0.000084	0
13:35:20.038	20	0	0	0.00078	0.922	0.00009	0
13:35:21.038	20	0	0.00001	0.00064	0.962	0.000094	0
13:35:22.038	20	0	0.00001	0.00064	0.981	0.000096	0
13:35:23.038	20	0	0.00001	0.00064	0.979	0.000095	0
13:35:24.038	20	0	0.00001	0.00065	0.988	0.000096	0
13:35:25.038	20	0	0.00001	0.00064	0.982	0.000096	0
13:35:26.038	20	0	0.00001	0.00064	0.978	0.000095	0
13:35:27.038	20	0	0.00001	0.00063	0.975	0.000095	0
13:35:28.038	20	0	0.00001	0.00063	0.978	0.000095	0
13:35:29.038	20	0	0.00001	0.00063	0.981	0.000096	0
13:35:30.038	20	0	0.00001	0.00063	0.981	0.000096	0

0.00E+00	-8.500	-0.100	0.000	0.000	0.000	1185	35.188	59.4	320.6	371.342254	114.138163	0.121012	0
0.00E+00	-8.500	-0.100	0.000	0.000	0.000	1182	34.78	59.1	320.6	367.328169	105.742864	1	0
0.00E+00	-8.500	-0.200	0.000	0.000	0.000	1181	34.78	62.2	320.6	363.314085	97.347565	1	0
0.00E+00	-8.600	-0.200	0.000	0.000	0.400	1181	34.78	62.5	336.572195	359.3	88.952267	1	0
0.00E+00	-8.600	-0.200	0.000	0.000	1.000	1190	34.78	62.7	319.828743	351.38775	82.510219	1	0
0.00E+00	-8.600	-0.200	0.000	0.000	0.000	1180	34.883	54.4	319.282547	343.475499	80.827122	0.06513	0
0.00E+00	-8.600	-0.300	0.000	0.000	0.000	1152	35.119	30.6	319.9	335.563249	79.144025	0	0
0.00E+00	-8.600	-0.300	0.000	0.000	0.000	1134	34.78	17.7	322.38325	327.650998	77.460928	0.539586	0
0.00E+00	-8.600	-0.300	0.000	0.000	0.000	1069	34.78	1.4	318.872331	313.189317	74.629283	1	0
0.00E+00	-8.600	-0.300	0.000	0.000	0.000	1081	34.16	0	318.312545	298.331753	64.245067	1.938499	0
0.00E+00	-8.600	-0.300	0.000	0.000	0.000	1070	33.923	0	317.1	283.47419	53.860852	2	0
0.00E+00	-8.600	-0.300	0.000	0.000	0.000	1061	33.53	0	301.486608	268.616626	43.476636	2	0
0.00E+00	-8.700	-0.400	0.000	0.000	0.000	1047	33.442	0	316.152406	260.257756	35.338999	2	0
0.00E+00	-8.700	-0.400	0.000	0.000	0.000	1041	32.91	0	314.670095	252.86138	32.978281	2	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1058	32.91	10	314.1	245.465004	30.617564	1.826733	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1081	32.91	18	289.956929	238.068627	28.256846	1	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1069	32.91	18	306.483607	238.674454	26.723164	0.371661	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1076	32.29	36	313.265485	240.781881	43.158706	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1092	32.29	50	312.6	242.889309	59.594248	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1060	32.29	30.6	287.799224	244.996736	76.029789	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1005	31.67	0	310.019106	239.138717	88.185328	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	945	30.282	0	311.2	232.87028	76.087516	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	919	27.163	0	311.057282	226.601844	63.989704	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	968	23.679	0	284.756209	220.333407	51.891892	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1000	19.974	0	309	218.248685	44.030185	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1041	15.673	0	309	216.718317	47.917677	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	819	11.691	14.9	308.80302	215.187948	51.805168	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	804	8.385	38.3	287.09557	213.65758	55.69266	0	0
0.00E+00	-8.900	-0.500	0.000	0.000	0.000	759	5.532	42.8	291.228837	216.654203	59.580151	0	0
0.00E+00	-8.900	-0.600	0.000	0.000	0.000	746	3.974	46.8	307.5	221.581739	71.949392	0	0
0.00E+00	-8.900	-0.600	0.000	0.000	0.000	753	2.523	47.3	306.85689	226.509275	85.345572	0	0
0.00E+00	-8.900	-0.600	0.000	0.000	0.000	750	1.47	47.2	296.955997	231.436812	98.741751	0	0
0.00E+00	-8.800	-0.600	0.000	0.000	0.000	746	0.62	52	289.887929	235.151961	112.137931	0	0
0.00E+00	-8.800	-0.600	0.000	0.000	0.000	758	0.19	51.1	306.1	237.918379	110.352554	0	0
0.00E+00	-8.800	-0.600	0.000	0.000	0.000	766	0	46.2	306.1	240.684797	106.116263	0	0
0.00E+00	-8.800	-0.600	0.000	0.000	0.000	751	0	45.1	302.822943	243.451215	101.879972	0	0
0.00E+00	-8.800	-0.600	0.000	0.000	1.000	750	0	45.1	284.418052	245.338095	97.643681	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	1.700	750	0	46.2	304.6	245.92744	94.820241	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	3.000	750	0	46.5	304.258294	246.516785	92.89253	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.800	748	0	46.3	303.9	247.106129	90.964819	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.000	751	0	46.3	276.278993	247.705144	89.037108	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.000	755	0	47.2	303.691242	248.354183	87.347611	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.000	761	0	48	303.2	249.003221	85.935514	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.000	759	0	47.8	302.788042	249.65226	84.523417	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	2.600	752	0	47.7	280.97662	250.3	83.11132	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	2.200	749	0	47.3	302.480569	250.3	81.80186	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	2.600	749	0	46.6	301.6	250.3	80.871628	0	0

0.22916	0.02676	5.24433	8973.356
0.22916	0.02676	5.24574	8976.114
0.22916	0.02676	5.24745	8978.815
0.22916	0.02676	5.24879	8981.423
0.22916	0.02677	5.25013	8984.026
0.22916	0.02677	5.25135	8986.279
0.22916	0.02677	5.2524	8988.23
0.22916	0.02677	5.25342	8990.118
0.22916	0.02677	5.25434	8991.694
0.22916	0.02677	5.25484	8992.882
0.22916	0.02677	5.2552	8993.796
0.22916	0.02677	5.25547	8994.47
0.22916	0.02677	5.25567	8994.961
0.22916	0.02677	5.256	8995.33
0.22916	0.02677	5.25629	8995.703
0.22916	0.02677	5.25668	8995.939
0.22916	0.02677	5.25744	8996.089
0.22916	0.02677	5.25851	8996.25
0.22916	0.02677	5.25987	8996.548
0.22916	0.02677	5.2614	8996.934
0.22916	0.02677	5.26256	8997.334
0.22916	0.02677	5.2634	8997.75
0.22916	0.02677	5.26432	8998.256
0.22916	0.02677	5.26513	8998.825
0.22916	0.02677	5.26578	8999.445
0.22916	0.02677	5.26642	8999.976
0.22916	0.02677	5.26684	9000.44
0.22916	0.02677	5.26714	9000.818
0.22916	0.02677	5.26753	9001.022
0.22916	0.02677	5.26817	9001.157
0.22916	0.02677	5.26909	9001.322
0.22916	0.02677	5.27025	9001.614
0.22916	0.02677	5.27145	9002.047
0.22916	0.02677	5.2725	9002.651
0.22916	0.02677	5.27353	9003.423
0.22916	0.02677	5.27447	9004.284
0.22916	0.02677	5.27525	9005.206
0.22916	0.02678	5.27589	9006.168
0.22916	0.02679	5.27653	9007.149
0.22916	0.0268	5.27717	9008.128
0.22916	0.02681	5.27782	9009.116
0.22916	0.02682	5.27846	9010.098
0.22916	0.02683	5.2791	9011.076
0.22916	0.02684	5.27973	9012.051
0.22916	0.02685	5.28036	9013.029
0.22916	0.02686	5.28099	9014.01
0.22916	0.02687	5.28162	9014.991

13:35:31.038	20	0	0.00001	0.00063	0.986	0.000096	0
13:35:32.038	20	0	0.00001	0.00063	0.986	0.000096	0
13:35:33.038	20	0	0.00001	0.00063	1.002	0.000098	0
13:35:34.038	20	0	0.00001	0.00064	1.005	0.000098	0
13:35:35.038	20	0	0.00001	0.00063	1.002	0.000098	0
13:35:36.038	20	0	0.00001	0.00063	0.994	0.000097	0
13:35:37.038	20	0	0.00001	0.00063	0.984	0.000096	0
13:35:38.038	20	0	0.00001	0.00065	0.978	0.000095	0
13:35:39.038	20	0	0.00001	0.00072	0.987	0.000096	0
13:35:40.038	20	0	0.00001	0.00072	0.981	0.000096	0
13:35:41.038	20	0	0.00001	0.00073	0.987	0.000096	0
13:35:42.038	20	0	0.00001	0.00074	0.997	0.000097	0
13:35:43.038	20	0	0.00001	0.00073	0.986	0.000096	0
13:35:44.038	20	0	0.00001	0.00072	0.978	0.000095	0
13:35:45.038	20	0	0.00001	0.00072	0.975	0.000095	0
13:35:46.038	20	0	0.00001	0.00072	0.979	0.000095	0
13:35:47.038	20	0	0.00001	0.00073	0.999	0.000097	0
13:35:48.038	20	0	0.00001	0.00073	0.988	0.000096	0
13:35:49.038	20	0	0.00001	0.00078	1.059	0.000103	0
13:35:50.038	20	0	0.00002	0.00118	1.604	0.000156	0
13:35:51.038	20	0	0.00004	0.00225	3.054	0.000298	0
13:35:52.038	20	0	0.00004	0.00461	4.821	0.00047	0.9
13:35:53.038	20	0	0.00002	0.00294	3.997	0.000389	1.7
13:35:54.038	20	0	0	0.0012	2.61	0.000254	2.8
13:35:55.038	20	0	0	0.00038	1.549	0.000151	3.8
13:35:56.038	20	0	0	0.00024	1.032	0.000101	6.1
13:35:57.038	20	0	0	0.00033	0.717	0.00007	8.1
13:35:58.038	20	0	0	0.00032	0.558	0.000054	9.2
13:35:59.038	20	0	0	0.00053	0.475	0.000046	10.1
13:36:00.038	20	0	0	0.00082	0.441	0.000043	9.8
13:36:01.038	20	0	0	0.00098	0.45	0.000044	9.6
13:36:02.038	20	0	0	0.00093	0.49	0.000048	8.2
13:36:03.038	20	0	0	0.00083	0.551	0.000054	7.1
13:36:04.038	20	0	0	0.00074	0.576	0.000056	6.3
13:36:05.038	20	0	0	0.00073	0.613	0.00006	5.6
13:36:06.038	20	0	0	0.00088	0.676	0.000066	5.5
13:36:07.038	20	0	0	0.00093	0.771	0.000075	5.4
13:36:08.038	20	0	0	0.00085	0.819	0.00008	4.6
13:36:09.038	20	0	0	0.00094	0.859	0.000084	3.9
13:36:10.038	20	0	0.00001	0.00075	0.938	0.000092	1.8
13:36:11.038	20	0	0.00001	0.00068	1.017	0.000099	0
13:36:12.038	20	0	0.00001	0.0006	1.048	0.000102	0
13:36:13.038	20	0	0.00001	0.00071	1.054	0.000103	0
13:36:14.038	20	0	0.00001	0.00101	1.179	0.000115	1.2
13:36:15.038	20	0	0.00002	0.00097	1.23	0.00012	2.2
13:36:16.038	20	0	0.00001	0.00085	1.075	0.000105	2.9
13:36:17.038	20	0	0.00001	0.00081	1.017	0.000099	3.5

0.00E+00	-8.700	-0.500	0.000	0.000	2.000	749	0	46.1	301.6	250.3	79.941395	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	2.000	749	0	45.6	289.77	250.3	79.011163	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	2.000	751	0	45.2	292.07791	250.178667	78.08093	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.800	750	0	44.8	299.576049	250.005827	77.550468	0.687424	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.000	748	0	45.8	300.141392	249.832988	77.058099	0.105769	0
0.00E+00	-8.600	-0.500	0.000	0.000	3.000	750	0	45.6	291.783148	249.660148	76.565731	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	3.000	748	0	45.8	288.700536	249.403796	76.073363	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.000	750	0	46.2	298.2	249.10287	76	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.600	747	0	46.6	297.656019	248.801944	76	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.000	750	0.637	46.3	297.5	248.501019	76	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.000	749	1.24	46.5	277.345529	248.3	76	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	3.000	749	1.012	46.7	296.1	248.3	75.875322	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.300	750	0.321	46.4	295.844106	248.3	75.640966	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	3.000	749	0	46.3	294.973782	248.3	75.406609	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.000	749	0	46.5	273.763367	248.284531	75.172252	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.200	748	0	46.7	293.3	247.975155	74.935366	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	3.000	749	0	46.4	293.18829	247.665778	74.691463	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	3.000	750	0	46.3	292.433125	247.356402	74.447561	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.700	749	0	53.1	277.43024	247.047025	74.203659	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.400	1011	0.647	65	290.320174	261.066947	75.192197	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	3.000	1490	3.09	88.6	290.069961	277.655328	82.41763	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	2.300	1624	6.552	68.1	288.78556	294.243708	89.643064	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	1.600	1505	8.841	42.3	295.338005	310.832089	96.868497	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	0.300	913	9.31	15	289.813912	303.6784	104.034474	0	0
0.00E+00	-8.600	-0.500	0.000	0.000	0.000	811	8.267	21.5	286.5	290.700069	106.686355	0.63964	0
0.00E+00	-8.600	-0.500	0.000	0.000	0.000	780	8.071	28.9	284.581243	277.721738	109.338235	1	0
0.00E+00	-8.600	-0.500	0.000	0.000	0.000	780	8.69	30.2	282.602538	264.743407	111.990116	1	0
0.00E+00	-8.600	-0.500	0.000	0.000	0.000	782	9.041	28.5	277.574138	255.567223	114.641996	2	0
0.00E+00	-8.600	-0.500	0.000	0.000	0.000	782	9.31	27.5	283.275191	250.765553	114.143776	2	0
0.00E+00	-8.600	-0.500	0.000	0.000	0.000	777	7.936	27.6	282.458675	245.963883	113.153922	1.179384	0
0.00E+00	-8.600	-0.500	0.000	0.000	0.000	762	6.58	32.3	274.19175	241.162213	112.164068	1	0
0.00E+00	-8.700	-0.600	0.000	0.000	0.000	741	5.835	42.1	272.072468	239.998038	111.174214	0.630588	0
0.00E+00	-8.700	-0.600	0.000	0.000	0.000	744	5.08	46.2	280.459877	240.942805	110.199611	0	0
0.00E+00	-8.700	-0.600	0.000	0.000	0.000	752	4.97	46.3	279.726056	241.887573	109.228266	0	0
0.00E+00	-8.700	-0.600	0.000	0.000	0.000	748	4.813	47.2	275.345318	242.83234	108.256921	0	0
0.00E+00	-8.700	-0.600	0.000	0.000	0.000	749	4.053	49.2	268.570083	243.824517	107.285576	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	753	2.861	49.8	277.847719	244.863164	103.854455	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	753	1.382	48.3	277.6	245.901812	99.39901	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	1.000	746	0.573	54.1	276.732953	246.940459	94.943564	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	1.700	749	0	53.8	266.203953	247.729073	90.488119	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	2.000	753	0	48.1	275.518994	248.082698	87.846325	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	2.000	748	0.447	46.1	274.8	248.436322	86.114081	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.000	747	0.708	49.6	273.181818	248.789947	84.381836	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.600	811	1.47	54.1	265.426005	249.195239	82.649592	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	3.000	844	2.145	51.1	273.207933	249.676124	81.25275	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.800	763	2.81	47.6	272.8	250.157009	80.05715	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.700	738	2.536	49.1	272.203744	250.637894	78.861549	0	0

0.22916	0.02688	5.28225	9015.977
0.22916	0.02689	5.28288	9016.963
0.22916	0.0269	5.28351	9017.965
0.22916	0.02691	5.28415	9018.97
0.22916	0.02692	5.28478	9019.972
0.22916	0.02693	5.28541	9020.966
0.22916	0.02694	5.28604	9021.95
0.22916	0.02695	5.28669	9022.928
0.22916	0.02696	5.28741	9023.915
0.22916	0.02697	5.28813	9024.896
0.22916	0.02698	5.28886	9025.883
0.22916	0.02699	5.2896	9026.88
0.22916	0.027	5.29033	9027.866
0.22916	0.02701	5.29105	9028.844
0.22916	0.02702	5.29177	9029.819
0.22916	0.02703	5.29249	9030.798
0.22916	0.02704	5.29322	9031.797
0.22916	0.02705	5.29395	9032.785
0.22916	0.02706	5.29473	9033.844
0.22916	0.02708	5.29591	9035.448
0.22916	0.02712	5.29816	9038.502
0.22916	0.02716	5.30277	9043.323
0.22916	0.02718	5.30571	9047.32
0.22916	0.02718	5.30691	9049.93
0.22916	0.02718	5.30729	9051.479
0.22916	0.02718	5.30753	9052.511
0.22916	0.02718	5.30786	9053.228
0.22916	0.02718	5.30818	9053.786
0.22916	0.02718	5.30871	9054.261
0.22916	0.02718	5.30953	9054.702
0.22916	0.02718	5.31051	9055.152
0.22916	0.02718	5.31144	9055.642
0.22916	0.02718	5.31227	9056.193
0.22916	0.02718	5.31301	9056.769
0.22916	0.02718	5.31374	9057.382
0.22916	0.02718	5.31462	9058.058
0.22916	0.02718	5.31555	9058.829
0.22916	0.02718	5.3164	9059.648
0.22916	0.02718	5.31734	9060.507
0.22916	0.02719	5.31809	9061.445
0.22916	0.0272	5.31877	9062.462
0.22916	0.02721	5.31937	9063.51
0.22916	0.02722	5.32008	9064.564
0.22916	0.02723	5.32109	9065.743
0.22916	0.02725	5.32206	9066.973
0.22916	0.02726	5.32291	9068.048
0.22916	0.02727	5.32372	9069.065

13:36:18.038	20	0	0.00001	0.00086	1.087	0.000106	2.8
13:36:19.038	20	0	0.00001	0.00098	1.313	0.000128	2.3
13:36:20.038	20	0	0.00002	0.00112	1.635	0.000159	3.9
13:36:21.038	20	0	0.00004	0.00197	2.881	0.000281	5.3
13:36:22.038	20	0	0.00005	0.00238	3.444	0.000336	5.8
13:36:23.038	20	0	0.00002	0.00303	3.883	0.000378	6.2
13:36:24.038	20	0	0	0.00193	3.207	0.000312	8.4
13:36:25.038	20	0	0	0.00122	2.65	0.000258	10.2
13:36:26.038	20	0	0	0.00086	1.784	0.000174	11.3
13:36:27.038	20	0	0	0.00071	1.568	0.000153	12.3
13:36:28.038	20	0	0	0.00147	1.651	0.000161	11.3
13:36:29.038	20	0	0	0.00106	1.388	0.000135	10.4
13:36:30.038	20	0	0	0.00091	1.091	0.000106	10.3
13:36:31.038	20	0	0	0.00103	0.997	0.000097	10.2
13:36:32.038	20	0	0	0.00114	1.056	0.000103	9.7
13:36:33.038	20	0	0	0.00113	1.107	0.000108	9.2
13:36:34.038	20	0	0.00001	0.00126	1.297	0.000127	9.5
13:36:35.038	20	0	0.00001	0.00104	1.292	0.000126	9.8
13:36:36.038	20	0	0	0.00136	1.215	0.000119	9.6
13:36:37.038	20	0	0	0.00156	1.182	0.000115	9.4
13:36:38.038	20	0	0	0.00152	1.342	0.000131	10.2
13:36:39.038	20	0	0	0.00156	1.464	0.000143	10.9
13:36:40.038	20	0	0.00001	0.00103	1.385	0.000135	10.2
13:36:41.038	20	0	0.00001	0.00085	1.134	0.000111	9.6
13:36:42.038	20	0	0.00001	0.00068	0.903	0.000088	10
13:36:43.038	20	0	0.00001	0.00067	0.775	0.000076	10.4
13:36:44.038	20	0	0	0.00082	0.765	0.000075	10.4
13:36:45.038	20	0	0	0.00086	0.697	0.000068	10.4
13:36:46.038	20	0	0	0.00092	0.803	0.000078	8.2
13:36:47.038	20	0	0	0.00211	1.664	0.000163	6.3
13:36:48.038	20	0	0	0.00509	3.336	0.000326	6
13:36:49.038	20	0	0	0.00579	4.917	0.000479	5.8
13:36:50.038	20	0	0	0.00382	5.248	0.000511	7.2
13:36:51.038	20	0	0	0.00161	4.513	0.000439	8.4
13:36:52.038	20	0	0	0.001	2.465	0.00024	10
13:36:53.038	20	0	0	0.00087	2.059	0.0002	11.4
13:36:54.038	20	0	0	0.00057	1.623	0.000158	11.5
13:36:55.038	20	0	0	0.00029	1.153	0.000112	11.6
13:36:56.038	20	0	0	0.0002	0.985	0.000096	9.8
13:36:57.038	20	0	0	0.00037	1.178	0.000115	8.2
13:36:58.038	20	0	0	0.00146	1.562	0.000153	7.9
13:36:59.038	20	0	0	0.00294	1.967	0.000192	7.7
13:37:00.038	20	0	0	0.00301	2.27	0.000221	9.3
13:37:01.038	20	0	0	0.00236	2.436	0.000237	10.7
13:37:02.038	20	0	0	0.00144	2.258	0.00022	10.9
13:37:03.038	20	0	0.00001	0.00089	1.773	0.000173	11
13:37:04.038	20	0	0.00001	0.00052	1.399	0.000136	11.4

0.00E+00	-8.800	-0.500	0.000	0.000	2.800	758	1.968	50.5	262.757468	252.736624	77.665949	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.400	845	2.915	50.1	271.5	259.767491	77.914109	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	3.000	977	4.06	55.8	271.159059	266.798359	79.97756	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	3.400	1356	5.273	71.9	270.8	273.829226	82.041011	0	0
0.00E+00	-8.900	-0.500	0.000	0.000	3.300	1411	6.95	72.7	275.060138	280.143502	84.104462	0	0
0.00E+00	-8.900	-0.500	0.000	0.000	1.400	1451	8.929	55.2	270.1	282.831394	87.955246	0	0
0.00E+00	-8.900	-0.500	0.000	0.000	0.300	1293	10.314	35.8	269.765957	285.519285	93.176529	0	0
0.00E+00	-8.800	-0.400	0.000	0.000	0.000	1268	11.18	38.1	269.5	288.207176	98.397812	0	0
0.00E+00	-8.700	-0.400	0.000	0.000	0.000	1189	11.008	13.3	276.961621	287.975171	103.619095	0.040094	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	1087	10.266	20.4	268.8	281.894603	104.992059	1	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	1170	9.94	48.6	268.8	275.814036	103.139227	1	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	1154	10.466	45.7	267.592254	269.733468	101.286395	1	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	1145	10.56	40.6	266.881111	263.8587	99.433563	0.901786	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	1090	10.187	33.7	266.96568	258.31129	96.747059	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	958	9.94	15.9	266.7	252.763881	93.805882	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.700	914	9.388	26.9	266.7	247.216471	90.864706	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	1.000	1047	9.31	45.7	257.131241	244.303016	87.923529	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	1.000	1129	9.31	53.4	265.3	247.714635	87.48492	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	1167	9.755	51.4	265.3	251.126255	88.1918	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	1180	10.517	46.9	264.681681	254.537874	88.89868	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	1111	10.451	34.8	261.242375	255.95625	89.605561	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	0.000	1058	9.94	34.3	264	251.362877	88.712735	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	1.200	1084	9.94	36.9	263.690676	246.769503	85.800371	0	0
0.00E+00	-8.700	-0.500	0.000	0.000	2.000	909	9.483	21.4	263.3	242.17613	82.888006	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	2.000	818	9.31	23.5	253.29289	238.027261	79.975642	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	1.300	782	8.912	27	262.6	235.111263	80.691251	0.388889	0
0.00E+00	-8.800	-0.500	0.000	0.000	1.000	773	7.648	28.2	262.6	232.195265	83.234486	0.398093	0
0.00E+00	-8.800	-0.500	0.000	0.000	1.000	753	5.874	40.6	258.703109	229.279267	85.777721	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	803	4.97	55.2	252.429268	240.484524	88.320956	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1267	5.355	72.9	261.454125	264.364076	94.824258	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1630	6.544	84.3	261.2	288.243627	102.77004	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1711	7.997	80.2	261.2	312.123179	110.715821	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1620	10.046	76.9	291.00454	328.403549	118.661603	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1542	11.005	55.6	260.224661	321.010744	119.362368	0	0
0.00E+00	-8.800	-0.400	0.000	0.000	0.000	1228	11.8	20.6	260.794	313.61794	111.349961	0	0
0.00E+00	-8.800	-0.400	0.000	0.000	0.000	903	10.175	13	259.927121	306.225136	103.337555	0	0
0.00E+00	-8.800	-0.400	0.000	0.000	0.000	821	8.609	22.1	278.601538	298.791298	95.325149	0.85607	0
0.00E+00	-8.800	-0.400	0.000	0.000	0.000	789	8.07	30.2	259.492778	291.17669	95.746305	1.257426	0
0.00E+00	-8.800	-0.400	0.000	0.000	0.000	852	8.07	31.8	259.1	283.562082	102.150246	2	0
0.00E+00	-8.800	-0.400	0.000	0.000	0.000	963	8.089	35.4	258.523388	275.947475	108.554187	2	0
0.00E+00	-8.800	-0.400	0.000	0.000	0.000	1358	9.178	57.8	263.327035	272.106516	114.958128	1.941793	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1434	11.052	64.4	258.5	276.138972	115.291155	0	0
0.00E+00	-8.800	-0.500	0.000	0.000	0.000	1357	11.8	45.1	258.5	280.171429	110.13145	0	0
0.00E+00	-8.800	-0.300	0.000	0.000	0.000	1313	12.307	35.8	258.5	284.203885	104.971744	0	0
0.00E+00	-8.800	-0.300	0.000	0.000	0.200	1242	11.692	30.4	270.6625	285.271901	99.812039	0	0
0.00E+00	-8.800	-0.300	0.000	0.000	1.000	1184	10.991	34	257.8	277.769571	95.442543	0	0
0.00E+00	-8.800	-0.300	0.000	0.000	1.000	1103	10.314	37.9	257.565132	270.267241	92.01956	0.113333	0

0.22916	0.02728	5.32458	9070.152
0.22916	0.02729	5.32556	9071.465
0.22916	0.02731	5.32668	9073.1
0.22916	0.02735	5.32865	9075.981
0.22916	0.0274	5.33103	9079.425
0.22916	0.02742	5.33406	9083.308
0.22916	0.02742	5.33599	9086.515
0.22916	0.02742	5.33721	9089.165
0.22916	0.02742	5.33807	9090.949
0.22916	0.02742	5.33878	9092.517
0.22916	0.02742	5.34025	9094.168
0.22916	0.02742	5.34131	9095.556
0.22916	0.02742	5.34222	9096.647
0.22916	0.02742	5.34325	9097.644
0.22916	0.02742	5.34439	9098.7
0.22916	0.02742	5.34552	9099.807
0.22916	0.02743	5.34678	9101.104
0.22916	0.02744	5.34782	9102.396
0.22916	0.02744	5.34918	9103.611
0.22916	0.02744	5.35074	9104.793
0.22916	0.02744	5.35226	9106.135
0.22916	0.02744	5.35382	9107.599
0.22916	0.02745	5.35485	9108.984
0.22916	0.02746	5.3557	9110.118
0.22916	0.02747	5.35638	9111.021
0.22916	0.02748	5.35705	9111.796
0.22916	0.02748	5.35787	9112.561
0.22916	0.02748	5.35873	9113.258
0.22916	0.02748	5.35965	9114.061
0.22916	0.02748	5.36176	9115.725
0.22916	0.02748	5.36685	9119.061
0.22916	0.02748	5.37264	9123.978
0.22916	0.02748	5.37646	9129.226
0.22916	0.02748	5.37807	9133.739
0.22916	0.02748	5.37907	9136.204
0.22916	0.02748	5.37994	9138.263
0.22916	0.02748	5.38051	9139.886
0.22916	0.02748	5.3808	9141.039
0.22916	0.02748	5.381	9142.024
0.22916	0.02748	5.38137	9143.202
0.22916	0.02748	5.38283	9144.764
0.22916	0.02748	5.38577	9146.731
0.22916	0.02748	5.38878	9149.001
0.22916	0.02748	5.39114	9151.437
0.22916	0.02748	5.39258	9153.695
0.22916	0.02749	5.39347	9155.468
0.22916	0.0275	5.39399	9156.867

13:37:05.038	20	0	0.00001	0.00056	1.157	0.000113	11.7
13:37:06.038	20	0	0	0.00082	1.01	0.000099	10.8
13:37:07.038	20	0	0	0.00127	1.054	0.000103	10.1
13:37:08.038	20	0	0	0.00161	1.145	0.000112	10.2
13:37:09.038	20	0	0	0.0015	1.176	0.000115	10.2
13:37:10.038	20	0	0	0.00144	1.163	0.000114	11.2
13:37:11.038	20	0	0.00001	0.00121	1.186	0.000116	12
13:37:12.038	20	0	0.00001	0.00102	1.165	0.000114	12.1
13:37:13.038	20	0	0.00001	0.00097	1.067	0.000104	12.1
13:37:14.038	20	0	0	0.00095	0.913	0.000089	12.1
13:37:15.038	20	0	0	0.0007	0.763	0.000075	12.1
13:37:16.038	20	0	0	0.00072	0.632	0.000062	11.1
13:37:17.038	20	0	0	0.00079	0.528	0.000052	10.2
13:37:18.038	20	0	0	0.00085	0.486	0.000047	9.4
13:37:19.038	20	0	0	0.00093	0.479	0.000047	8.7
13:37:20.038	20	0	0	0.00103	0.49	0.000048	8
13:37:21.038	20	0	0	0.00103	0.499	0.000049	7.4
13:37:22.038	20	0	0	0.00092	0.508	0.00005	7.9
13:37:23.038	20	0	0	0.00078	0.548	0.000054	8.3
13:37:24.038	20	0	0	0.00083	0.598	0.000058	8.5
13:37:25.038	20	0	0	0.00084	0.633	0.000062	8.6
13:37:26.038	20	0	0	0.00072	0.643	0.000063	9
13:37:27.038	20	0	0	0.00072	0.642	0.000063	9.3
13:37:28.038	20	0	0	0.00076	0.658	0.000064	8.4
13:37:29.038	20	0	0	0.00089	0.702	0.000069	7.7
13:37:30.038	20	0	0	0.00103	0.784	0.000077	7.7
13:37:31.038	20	0	0	0.00111	0.846	0.000083	7.7
13:37:32.038	20	0	0	0.00126	0.971	0.000095	7.8
13:37:33.038	20	0	0	0.00157	1.176	0.000115	7.9
13:37:34.038	20	0	0	0.00127	1.242	0.000121	8.1
13:37:35.038	20	0	0.00001	0.00144	1.338	0.000131	8.3
13:37:36.038	20	0	0.00002	0.00115	1.24	0.000121	8.3
13:37:37.038	20	0	0.00001	0.00084	1.071	0.000104	8.3
13:37:38.038	20	0	0.00001	0.00079	0.933	0.000091	10.1
13:37:39.038	20	0	0.00001	0.00107	0.909	0.000089	11.6
13:37:40.038	20	0	0.00001	0.00085	0.797	0.000078	11.1
13:37:41.038	20	0	0	0.00075	0.673	0.000066	10.6
13:37:42.038	20	0	0	0.00082	0.603	0.000059	9.3
13:37:43.038	20	0	0	0.00098	0.587	0.000057	8.2
13:37:44.038	20	0	0	0.00105	0.587	0.000057	6.5
13:37:45.038	20	0	0	0.00091	0.598	0.000058	5.1
13:37:46.038	20	0	0	0.00084	0.655	0.000064	4.5
13:37:47.038	20	0	0	0.00092	0.718	0.00007	4
13:37:48.038	20	0	0	0.00099	0.787	0.000077	3.2
13:37:49.038	20	0	0	0.00101	0.888	0.000087	2.5
13:37:50.038	20	0	0	0.00097	1.02	0.0001	1.2
13:37:51.038	20	0	0.00001	0.00075	1.081	0.000105	0

0.00E+00	-8.800	-0.300	0.000	0.000	1.000	1057	9.94	35.4	257.505738	262.764911	88.596577	1	0
0.00E+00	-8.800	-0.300	0.000	0.000	0.300	1084	10.458	37.1	256.425306	255.262582	85.173594	1	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	1209	10.708	38.3	257.1	253.296311	82.903947	0.983516	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	1250	11.18	40.9	257.1	251.53083	82.640789	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	1275	11.661	42.4	256.674709	249.765349	82.377632	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	1235	11.8	31.9	252.555775	247.407336	82.114474	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	1.000	1224	11.8	26.7	256.717589	242.156371	81.271907	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	1.000	1198	11.478	24.1	256.819737	236.905405	79.983247	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	1.000	1155	11.18	22.4	256.5	231.65444	78.694588	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.600	1105	10.56	24.3	245.39	227.047794	77.405928	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	968	10.199	21.6	256.5	224.057598	78.760514	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	847	9.493	22.6	256.5	221.067402	81.330607	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	785	8.759	26.3	256.5	218.077206	83.900701	0	0
0.00E+00	-9.100	-0.300	0.000	0.000	0.000	780	7.993	27.9	237.290512	215.732958	86.470794	0	0
0.00E+00	-9.100	-0.400	0.000	0.000	0.000	783	7.45	30	255.944611	215.89373	89.301354	0	0
0.00E+00	-9.000	-0.400	0.000	0.000	0.000	814	7.45	31.3	256.328963	216.054502	92.514574	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	840	7.746	29.4	255.8	216.215273	95.727794	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	795	8.07	27.7	243.259209	216.376045	98.941014	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	778	8.07	26.3	252.347897	215.578196	102	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	781	8.69	27.1	256.472086	214.612503	102	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	782	8.69	27.3	255.8	213.646811	102	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	780	8.213	27.8	240.156164	212.681118	102	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	779	7.482	28.3	252.909859	213.513716	102.047825	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	778	7.45	29.3	255.725545	214.511222	102.503302	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	864	7.498	35.6	255	215.508728	102.958779	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	919	8.235	40.6	250.982587	216.506234	103.414256	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	1012	8.989	42.5	244.278571	218.53646	103.869734	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	1099	9.747	47	255.513171	221.578954	101.492223	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.000	1165	9.94	48.5	255.8	224.621448	97.97993	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	0.700	1110	10.379	38.8	251.96321	227.663943	94.467637	0	0
0.00E+00	-9.000	-0.300	0.000	0.000	1.400	1120	10.249	38.8	248.441977	227.488852	90.955344	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	2.700	1074	10.177	32.3	255.8	224.437434	88.346707	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	2.500	915	9.94	19	255.222857	221.386016	86.0757	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	2.000	786	9.342	23.4	255	218.334599	83.804693	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	2.000	935	8.69	28.7	242.357186	216.055572	81.533687	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	1.000	825	8.315	27.4	254.607806	215.114512	82.616577	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	0.000	782	7.109	29.5	254.3	214.173452	84.729749	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	0.000	732	5.577	43.2	254.3	213.232392	86.842921	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	0.000	741	4.814	47.2	237.40423	213.79117	88.956093	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	0.000	745	4.104	50.8	253.6	217.422787	90.843133	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	0.000	748	3.066	52.9	253.6	221.054403	92.509403	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	0.000	752	2.48	53.3	253.6	224.686019	94.175672	0	0
0.00E+00	-9.000	-0.200	0.000	0.000	0.000	754	1.228	55.9	241.123641	228.059606	95.841942	0	0
0.00E+00	-9.000	-0.100	0.000	0.000	0.000	742	0.515	57.2	253	229.44748	95.70666	0	0
0.00E+00	-9.000	-0.100	0.000	0.000	0.000	750	0	54.6	252.663477	230.835354	91.466201	0	0
0.00E+00	-9.000	-0.100	0.000	0.000	1.000	754	0	49.8	251.957164	232.223229	87.225742	0	0
0.00E+00	-9.000	-0.100	0.000	0.000	2.000	751	0	48.8	244.356034	233.602442	82.985283	0	0

0.22916	0.02751	5.39455	9158.024
0.22916	0.02751	5.39537	9159.034
0.22916	0.02751	5.39664	9160.088
0.22916	0.02751	5.39825	9161.233
0.22916	0.02751	5.39975	9162.409
0.22916	0.02751	5.40119	9163.572
0.22916	0.02752	5.4024	9164.758
0.22916	0.02753	5.40342	9165.923
0.22916	0.02754	5.40439	9166.99
0.22916	0.02754	5.40534	9167.903
0.22916	0.02754	5.40604	9168.666
0.22916	0.02754	5.40676	9169.298
0.22916	0.02754	5.40755	9169.826
0.22916	0.02754	5.4084	9170.312
0.22916	0.02754	5.40933	9170.791
0.22916	0.02754	5.41036	9171.281
0.22916	0.02754	5.41139	9171.78
0.22916	0.02754	5.41231	9172.288
0.22916	0.02754	5.41309	9172.836
0.22916	0.02754	5.41392	9173.434
0.22916	0.02754	5.41476	9174.067
0.22916	0.02754	5.41548	9174.71
0.22916	0.02754	5.4162	9175.352
0.22916	0.02754	5.41696	9176.01
0.22916	0.02754	5.41785	9176.712
0.22916	0.02754	5.41888	9177.496
0.22916	0.02754	5.41999	9178.342
0.22916	0.02754	5.42125	9179.313
0.22916	0.02754	5.42282	9180.489
0.22916	0.02754	5.42409	9181.731
0.22916	0.02755	5.42553	9183.069
0.22916	0.02757	5.42668	9184.309
0.22916	0.02758	5.42752	9185.38
0.22916	0.02759	5.42831	9186.313
0.22916	0.0276	5.42938	9187.222
0.22916	0.02761	5.43023	9188.019
0.22916	0.02761	5.43098	9188.692
0.22916	0.02761	5.4318	9189.295
0.22916	0.02761	5.43278	9189.882
0.22916	0.02761	5.43383	9190.469
0.22916	0.02761	5.43474	9191.067
0.22916	0.02761	5.43558	9191.722
0.22916	0.02761	5.4365	9192.44
0.22916	0.02761	5.43749	9193.227
0.22916	0.02761	5.4385	9194.115
0.22916	0.02761	5.43947	9195.135
0.22916	0.02762	5.44022	9196.216

13:37:52.038	20	0	0.00001	0.00065	1.083	0.000106	0
13:37:53.038	20	0	0.00002	0.00063	1.077	0.000105	0
13:37:54.038	20	0	0.00002	0.00063	1.077	0.000105	0
13:37:55.038	20	0	0.00002	0.00073	1.235	0.00012	0
13:37:56.038	20	0	0.00002	0.0008	1.227	0.00012	0
13:37:57.038	20	0	0.00002	0.00086	1.089	0.000106	0
13:37:58.038	20	0	0.00001	0.00082	1.037	0.000101	0
13:37:59.038	20	0	0.00001	0.00074	0.991	0.000097	0
13:38:00.038	20	0	0.00001	0.00072	0.936	0.000091	0
13:38:01.038	20	0	0.00001	0.00068	0.836	0.000082	0
13:38:02.038	20	0	0	0.00065	0.761	0.000074	0
13:38:03.038	20	0	0	0.00073	0.718	0.00007	0
13:38:04.038	20	0	0	0.00089	0.693	0.000068	0
13:38:05.038	20	0	0	0.00097	0.679	0.000066	0
13:38:06.038	20	0	0	0.001	0.681	0.000067	0
13:38:07.038	20	0	0	0.00097	0.68	0.000066	0
13:38:08.038	20	0	0	0.00089	0.676	0.000066	0
13:38:09.038	20	0	0	0.00082	0.679	0.000066	0
13:38:10.038	20	0	0	0.00082	0.679	0.000066	0
13:38:11.038	20	0	0	0.00083	0.68	0.000066	0
13:38:12.038	20	0	0	0.00082	0.678	0.000066	0
13:38:13.038	20	0	0	0.00083	0.679	0.000066	0
13:38:14.038	20	0	0	0.00082	0.671	0.000066	0
13:38:15.038	20	0	0	0.00082	0.675	0.000066	0
13:38:16.038	20	0	0	0.00082	0.679	0.000066	0
13:38:17.038	20	0	0	0.00082	0.687	0.000067	0
13:38:18.038	20	0	0	0.00082	0.681	0.000067	0
13:38:19.038	20	0	0	0.00082	0.681	0.000067	0
13:38:20.038	20	0	0	0.00082	0.682	0.000067	0
13:38:21.038	20	0	0	0.00082	0.681	0.000066	0
13:38:22.038	20	0	0	0.00083	0.689	0.000067	0
13:38:23.038	20	0	0	0.00083	0.687	0.000067	0
13:38:24.038	20	0	0	0.00082	0.687	0.000067	0
13:38:25.038	20	0	0	0.00082	0.685	0.000067	0
13:38:26.038	20	0	0	0.00082	0.678	0.000066	0
13:38:27.038	20	0	0	0.00082	0.677	0.000066	0
13:38:28.038	20	0	0	0.00082	0.679	0.000066	0
13:38:29.038	20	0	0	0.00082	0.677	0.000066	0
13:38:30.038	20	0	0	0.00077	0.677	0.000066	0
13:38:31.038	20	0	0	0.00073	0.676	0.000066	0
13:38:32.038	20	0	0	0.00072	0.673	0.000066	0
13:38:33.038	20	0	0	0.00072	0.673	0.000066	0
13:38:34.038	20	0	0	0.00072	0.672	0.000066	0
13:38:35.038	20	0	0	0.00073	0.677	0.000066	0
13:38:36.038	20	0	0	0.00078	0.676	0.000066	0
13:38:37.038	20	0	0	0.00082	0.676	0.000066	0

0.00E+00	-8.900	-0.100	0.000	0.000	3.000	751	0	49.3	251.6	233.90775	79.795297	0	0
0.00E+00	-8.900	-0.100	0.000	0.000	3.700	751	0	49.2	251.523843	234.213058	79.103734	0	0
0.00E+00	-8.900	-0.100	0.000	0.000	4.000	751	0	49.2	251	234.518365	78.412172	0.123256	0
0.00E+00	-8.900	-0.100	0.000	0.000	4.000	764	0	40.9	246.720954	234.823673	77.720609	1	0
0.00E+00	-8.900	-0.100	0.000	0.000	3.000	741	0	26.8	248.052674	232.604856	77.029046	1	0
0.00E+00	-8.900	-0.100	0.000	0.000	3.000	747	0	30.3	249.787488	229.544664	80.302572	1	0
0.00E+00	-8.900	-0.100	0.000	0.000	2.600	750	0	30	249.6	226.484471	83.749934	1	0
0.00E+00	-8.900	-0.100	0.000	0.000	2.000	750	0	31.3	243.893554	223.424279	87.197295	1	0
0.00E+00	-8.900	-0.100	0.000	0.000	2.000	749	0	30.2	248.242769	221.015516	90.314663	1	0
0.00E+00	-8.900	-0.100	0.000	0.000	1.300	749	0	30.1	248.3	218.773703	91.997356	1.828203	0
0.00E+00	-8.900	-0.100	0.000	0.000	0.300	747	0	29.9	247.6	216.531889	93.680048	1.016647	0
0.00E+00	-8.900	-0.100	0.000	0.000	0.000	750	0	30.3	237.334332	214.290076	95.36274	1	0
0.00E+00	-8.900	-0.100	0.000	0.000	0.000	749	0	29.8	243.746217	213.00563	97.019941	1	0
0.00E+00	-8.900	-0.100	0.000	0.000	0.000	749	0	29.4	246.513418	211.922859	97.758493	1	0
0.00E+00	-8.900	-0.100	0.000	0.000	0.000	750	0	29.8	246.4	210.840087	98.497046	1	0
0.00E+00	-8.900	-0.100	0.000	0.000	0.000	750	0	29.3	241.917333	209.757315	99.235598	0.039286	0
0.00E+00	-8.900	-0.100	0.000	0.000	0.000	750	0	29	240.244211	208.85082	99.974151	0	0
0.00E+00	-8.900	-0.100	0.000	0.000	0.000	748	0	30.2	245.209879	208.031148	100.495126	0	0
0.00E+00	-8.900	-0.100	0.000	0.000	0.000	748	0	29.7	244.5	207.211475	101.008209	0	0
0.00E+00	-8.900	-0.100	0.000	0.000	0.000	749	0	30.1	235.554214	206.391803	101.521293	0	0
0.00E+00	-8.900	-0.200	0.000	0.000	0.000	749	0	29.8	240.775531	205.718821	102	0	0
0.00E+00	-8.900	-0.200	0.000	0.000	0.000	747	0	31	243.9	205.09065	102	0	0
0.00E+00	-8.900	-0.200	0.000	0.000	0.000	752	0	29.9	243.3	204.462479	102	0	0
0.00E+00	-8.900	-0.200	0.000	0.000	0.000	751	0	30.2	236.019101	203.834308	102	0	0
0.00E+00	-8.900	-0.200	0.000	0.000	0.000	749	0	30.2	233.736787	203.41468	102	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	749	0	30.2	241.9	203.119113	102	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	749	0	29.5	241.9	202.823547	102	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	748	0	29.7	237.679429	202.52798	102	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	750	0	29.4	234.557627	202.123982	102	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	747	0	30.1	240.762229	201.637177	102.234379	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	750	0	29.8	240.058726	201.150372	102.47751	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	748	0	29.5	235.845327	200.663566	102.720642	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	750	0	29.7	231.61472	200.207489	102.963773	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	750	0	29.5	239.4	199.76696	103	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	750	0	28.6	238.891015	199.326432	103	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	749	0	29.1	238.369207	198.885903	103	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	747	0	29.3	223.057719	198.548896	103	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	749	0	29.4	237.859854	198.4033	103	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	750	0	29.1	237.5	198.257704	103	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	750	0	29.8	237.5	198.112109	103	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	750	0	29.6	219.091735	197.967907	103	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	750	0	29.4	236.9	197.828372	102.902331	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	749	0	29.6	236.9	197.688837	102.669231	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	751	0	29.8	236.522721	197.549302	102.436131	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	751	0	29.8	221.912274	197.409767	102.20303	0	0
0.00E+00	-8.900	-0.300	0.000	0.000	0.000	749	0	29.8	233.684647	197.138151	102	0	0

0.22916	0.02763	5.44087	9197.299
0.22916	0.02765	5.4415	9198.376
0.22916	0.02767	5.44213	9199.453
0.22916	0.02769	5.44286	9200.688
0.22916	0.02771	5.44366	9201.915
0.22916	0.02773	5.44452	9203.004
0.22916	0.02774	5.44534	9204.041
0.22916	0.02775	5.44608	9205.032
0.22916	0.02776	5.4468	9205.968
0.22916	0.02777	5.44748	9206.804
0.22916	0.02777	5.44813	9207.565
0.22916	0.02777	5.44886	9208.283
0.22916	0.02777	5.44975	9208.976
0.22916	0.02777	5.45072	9209.655
0.22916	0.02777	5.45172	9210.336
0.22916	0.02777	5.45269	9211.016
0.22916	0.02777	5.45358	9211.692
0.22916	0.02777	5.4544	9212.371
0.22916	0.02777	5.45522	9213.05
0.22916	0.02777	5.45605	9213.73
0.22916	0.02777	5.45687	9214.408
0.22916	0.02777	5.4577	9215.087
0.22916	0.02777	5.45852	9215.758
0.22916	0.02777	5.45934	9216.433
0.22916	0.02777	5.46016	9217.112
0.22916	0.02777	5.46098	9217.799
0.22916	0.02777	5.4618	9218.48
0.22916	0.02777	5.46262	9219.161
0.22916	0.02777	5.46344	9219.843
0.22916	0.02777	5.46426	9220.524
0.22916	0.02777	5.46509	9221.213
0.22916	0.02777	5.46592	9221.9
0.22916	0.02777	5.46674	9222.587
0.22916	0.02777	5.46756	9223.272
0.22916	0.02777	5.46838	9223.95
0.22916	0.02777	5.4692	9224.627
0.22916	0.02777	5.47002	9225.306
0.22916	0.02777	5.47084	9225.983
0.22916	0.02777	5.47161	9226.66
0.22916	0.02777	5.47234	9227.336
0.22916	0.02777	5.47306	9228.009
0.22916	0.02777	5.47378	9228.682
0.22916	0.02777	5.4745	9229.354
0.22916	0.02777	5.47523	9230.031
0.22916	0.02777	5.47601	9230.707
0.22916	0.02777	5.47683	9231.383