

Potential Energy curves of the (1) 3 Pi g states of Rb2

0g+	0g-	1g	2g				
R(angstroms)	Energy (cm-1)	R(angstroms)	Energy (cm-1)	R(angstroms)	Energy (cm-1)	R(angstroms)	Energy (cm-1)
2.75172	21896.68355	2.75172	21896.64185	2.75172	20774.76169	2.75172	19620.43069
2.80464	21467.85454	2.80464	21467.81942	2.80464	20328.56382	2.80464	19297.67811
2.85756	21038.83897	2.85756	21038.81702	2.85756	19887.04505	2.85756	18979.49709
2.91047	20611.43651	2.91047	20611.42114	2.91047	19546.6778	2.91047	18667.49854
2.96339	20187.33487	2.96339	20187.32829	2.96339	19318.22709	2.96339	18363.06073
3.86299	14694.69869	3.86299	14693.63206	3.86299	14713.38875	3.86299	14750.65915
3.91591	14505.87109	3.91591	14504.90103	3.91591	14525.1208	3.91591	14563.27786
3.96883	14331.64922	3.96883	14330.75378	3.96883	14351.46078	3.96883	14390.5418
4.02175	14171.53708	4.02175	14170.70528	4.02175	14191.91486	4.02175	14231.95936
4.07466	14024.99915	4.07466	14024.21345	4.07466	14045.94537	4.07466	14086.98187
4.12758	13891.46702	4.12758	13890.72082	4.12758	13912.98825	4.12758	13955.0387
4.1805	13770.36347	4.1805	13769.648	4.1805	13792.45093	4.1805	13835.51753
4.23342	13661.10692	4.23342	13660.41998	4.23342	13683.7255	4.23342	13727.75557
4.44509	13329.43727	4.44509	13328.82275	4.44509	13354.64559	4.44509	13403.50839
4.49801	13268.70992	4.49801	13268.08443	4.49801	13295.79691	4.49801	13348.16464
4.55092	13217.32321	4.55092	13216.71309	4.55092	13245.06422	4.55092	13298.65002
4.60384	13173.42483	4.60384	13172.82787	4.60384	13201.90106	4.60384	13256.85415
4.65676	13136.47486	4.65676	13135.88887	4.65676	13165.73899	4.65676	13222.16472
4.81551	13062.48713	4.81551	13061.93187	4.81551	13093.78575	4.81551	13154.08732
4.86843	13047.48636	4.86843	13046.9289	4.86843	13080.27517	4.86843	13143.33768
4.92135	13037.39512	4.92135	13036.84425	4.92135	13071.14742	4.92135	13136.03592
4.97427	13031.6077	4.97427	13031.07	4.97427	13065.98987	4.97427	13131.99547
5.02718	13028.8336	5.02718	13028.30029	5.02718	13064.28898	5.02718	13132.33126
5.0801	13029.08818	5.0801	13028.56146	5.0801	13065.6475	5.0801	13135.78353
5.13302	13031.96105	5.13302	13031.4409	5.13302	13069.65063	5.13302	13141.93746
5.18594	13037.06592	5.18594	13036.55675	5.18594	13075.9165	5.18594	13150.40681
5.23885	13044.04068	5.23885	13043.54028	5.23885	13084.0742	5.23885	13160.81627
5.29177	13052.53197	5.29177	13052.04475	5.29177	13093.77258	5.29177	13172.80592
5.34469	13062.21718	5.34469	13061.74752	5.34469	13104.68463	5.34469	13186.05093
5.39761	13072.80002	5.39761	13072.35889	5.39761	13116.51625	5.39761	13200.23528
5.45053	13083.99958	5.45053	13083.60234	5.45053	13128.98215	5.45053	13215.07365
5.50344	13095.56784	5.50344	13095.19474	5.50344	13141.81237	5.50344	13230.29609
5.55636	13107.27437	5.55636	13106.92761	5.55636	13154.78304	5.55636	13245.66338
5.71511	13141.31197	5.71511	13141.02666	5.71511	13192.53188	5.71511	13290.56255
5.76803	13151.78728	5.76803	13151.53269	5.76803	13204.22744	5.76803	13304.56254
5.82095	13161.62612	5.82095	13161.40445	5.82095	13215.26459	5.82095	13317.86023
5.87387	13170.74729	5.87387	13170.55635	5.87387	13225.55553	5.87387	13330.35465
5.92679	13179.08496	5.92679	13178.92913	5.92679	13235.03225	5.92679	13341.9712
5.9797	13186.59303	5.9797	13186.47012	5.9797	13243.64425	5.9797	13352.65281
6.03262	13193.24297	6.03262	13193.15518	6.03262	13251.36301	6.03262	13362.36435
6.08554	13199.02381	6.08554	13198.96894	6.08554	13258.17097	6.08554	13371.08609
6.13846	13203.93335	6.13846	13203.9136	6.13846	13264.06813	6.13846	13378.81144
6.19137	13208.00671	6.19137	13208.00013	6.19137	13269.06766	6.19137	13385.55355
6.24429	13211.22414	6.24429	13211.24828	6.24429	13273.18272	6.24429	13391.32781
6.29721	13213.63831	6.29721	13213.69099	6.29721	13276.45502	6.29721	13396.16932
6.35013	13215.27775	6.35013	13215.35896	6.35013	13278.91089	6.35013	13400.1088
6.40304	13216.15124	6.40304	13216.2939	6.40304	13280.59203	6.40304	13403.19016

6.45596 13216.36852	6.45596 13216.53971	6.45596 13281.54672	6.45596 13405.46168
6.50888 13215.94494	6.50888 13216.14247	6.50888 13281.81886	6.50888 13406.97163
6.5618 13214.91782	6.5618 13215.13949	6.5618 13281.45235	6.5618 13407.76831
6.61472 13213.34422	6.61472 13213.58784	6.61472 13280.49985	6.61472 13407.90877
6.66763 13211.26804	6.66763 13211.52482	6.66763 13279.00745	6.66763 13407.4391
6.72055 13208.799	6.72055 13208.99652	6.72055 13277.01905	6.72055 13406.41418
6.77347 13205.85371	6.77347 13206.04904	6.77347 13274.58294	6.77347 13404.87569
6.82639 13202.53752	6.82639 13202.72188	6.82639 13271.743	6.82639 13402.87632
6.8793 13198.88554	6.8793 13199.05892	6.8793 13268.53873	6.8793 13400.45996
6.93222 13194.94166	6.93222 13195.09968	6.93222 13265.01185	6.93222 13397.6683
6.98514 13190.73881	6.98514 13190.89244	6.98514 13261.20624	6.98514 13394.53866
7.03806 13186.30552	7.03806 13186.43062	7.03806 13257.13288	7.03806 13391.10834
7.09098 13181.56497	7.09098 13181.76907	7.09098 13252.84443	7.09098 13387.41685
7.14389 13176.76516	7.14389 13176.93415	7.14389 13248.36066	7.14389 13383.49492
7.19681 13171.82489	7.19681 13171.94779	7.19681 13243.71229	7.19681 13379.36889
7.24973 13166.7683	7.24973 13166.83853	7.24973 13238.92345	7.24973 13375.06728
7.30265 13161.61953	7.30265 13161.62612	7.30265 13234.0161	7.30265 13370.61643
7.35556 13156.39395	7.35556 13156.32811	7.35556 13229.00999	7.35556 13366.03609
7.40848 13151.09814	7.40848 13150.96427	7.40848 13223.92707	7.40848 13361.3504
7.4614 13145.78916	7.4614 13145.55433	7.4614 13218.78269	7.4614 13356.58132
7.51432 13140.45604	7.51432 13140.10708	7.51432 13213.59442	7.51432 13351.73981
7.56723 13135.12073	7.56723 13134.63789	7.56723 13208.37323	7.56723 13346.84344
7.62015 13129.79638	7.62015 13129.16212	7.62015 13203.13448	7.62015 13341.91194
7.67307 13124.4896	7.67307 13123.68414	7.67307 13197.88695	7.67307 13336.95192
7.72599 13119.21574	7.72599 13118.18423	7.72599 13192.62845	7.72599 13331.97654
7.77891 13113.98357	7.77891 13112.73259	7.77891 13187.39409	7.77891 13326.99457
7.83182 13108.80627	7.83182 13107.30949	7.83182 13182.17948	7.83182 13322.01918
7.88474 13103.69043	7.88474 13101.9193	7.88474 13176.99121	7.88474 13317.05477
7.93766 13098.64701	7.93766 13096.56643	7.93766 13171.83586	7.93766 13312.11011
7.99058 13093.6826	7.99058 13091.25745	7.99058 13166.72002	7.99058 13307.1874
8.04349 13088.80597	8.04349 13085.99895	8.04349 13161.64587	8.04349 13302.29761
8.09641 13084.02811	8.09641 13080.79093	8.09641 13156.61781	8.09641 13297.44074
8.14933 13079.3534	8.14933 13075.63997	8.14933 13151.64243	8.14933 13292.62337
8.20225 13074.79281	8.20225 13070.54826	8.20225 13146.72191	8.20225 13287.8499
8.25517 13070.35293	8.25517 13065.51362	8.25517 13141.85187	8.25517 13283.11813
8.30808 13066.04474	8.30808 13060.54701	8.30808 13137.04548	8.30808 13278.43683
8.361 13061.8792	8.361 13055.64186	8.361 13132.29615	8.361 13273.80382
8.41392 13057.86509	8.41392 13050.80694	8.41392 13127.61266	8.41392 13269.22567
8.46684 13054.01559	8.46684 13046.03566	8.46684 13122.98842	8.46684 13264.69581
8.57267 13046.86525	8.57267 13036.70379	8.57267 13113.93529	8.57267 13255.80508
8.62559 13043.59735	8.62559 13032.14101	8.62559 13109.50638	8.62559 13251.44202
8.67851 13040.56208	8.67851 13027.64846	8.67851 13105.14332	8.67851 13247.13602
8.73142 13037.7792	8.73142 13023.22614	8.73142 13100.8439	8.73142 13242.88708
8.78434 13035.2531	8.78434 13018.87405	8.78434 13096.61033	8.78434 13238.69301
8.83726 13033.00134	8.83726 13014.59	8.83726 13092.4404	8.83726 13234.5538
8.89018 13031.05464	8.89018 13010.37617	8.89018 13088.3385	8.89018 13230.47386
8.9431 13029.44153	8.9431 13006.23038	8.9431 13084.29586	8.9431 13226.44658
8.99601 13028.19714	8.99601 13002.12849	8.99601 13080.31248	8.99601 13222.47856
9.04893 13027.35218	9.04893 12998.11438	9.04893 13076.39933	9.04893 13218.56541
9.10185 13026.93299	9.10185 12994.21001	9.10185 13072.563	9.10185 13214.70494
9.15477 13026.97688	9.15477 12990.3627	9.15477 13068.78592	9.15477 13210.90152
9.20768 13027.50142	9.20768 12986.54831	9.20768 13065.05712	9.20768 13207.14859
9.2606 13028.52854	9.2606 12982.80196	9.2606 13061.39197	9.2606 13203.45271
9.31352 13030.05385	9.31352 12979.11706	9.31352 13057.78389	9.31352 13199.80951

9.36644	13032.07517	9.36644	12975.49581	9.36644	13054.23725	9.36644	13196.21678
9.41936	13034.56396	9.41936	12971.936	9.41936	13050.74768	9.41936	13192.67893
9.47227	13037.47633	9.47227	12968.43765	9.47227	13047.31297	9.47227	13189.18936
9.52519	13040.7574	9.52519	12964.99636	9.52519	13043.93533	9.52519	13185.74807
9.57811	13044.34354	9.57811	12961.61872	9.57811	13040.61475	9.57811	13182.35725
9.63103	13048.15354	9.63103	12958.29814	9.63103	13037.34684	9.63103	13179.01692
9.68394	13052.11498	9.68394	12955.03681	9.68394	13034.1338	9.68394	13175.72268
9.73686	13056.15103	9.73686	12951.83036	9.73686	13030.97343	9.73686	13172.47671
9.78978	13060.19147	9.78978	12948.67877	9.78978	13027.86354	9.78978	13169.27465
9.8427	13064.17705	9.8427	12945.58204	9.8427	13024.80633	9.8427	13166.12086
9.89561	13068.05508	9.89561	12942.54239	9.89561	13021.79959	9.89561	13163.01097
9.94853	13071.77949	9.94853	12939.5554	9.94853	13018.84113	9.94853	13159.94717
10.00145	13075.31954	10.00145	12936.62108	10.00145	13015.93315	10.00145	13156.92507
10.05437	13078.6489	10.05437	12933.73725	10.05437	13013.07126	10.05437	13153.94686
10.10729	13081.74782	10.10729	12930.90389	10.10729	13010.25766	10.10729	13151.01255
10.1602	13084.60532	10.1602	12928.12321	10.1602	13007.49014	10.1602	13148.11774
10.21312	13087.21262	10.21312	12925.3908	10.21312	13004.76652	10.21312	13145.26463
10.26604	13089.56314	10.26604	12922.70669	10.26604	13002.08899	10.26604	13142.45102
10.31896	13091.66347	10.31896	12920.07085	10.31896	12999.45535	10.31896	13139.67912
10.37187	13093.5158	10.37187	12917.4833	10.37187	12996.8656	10.37187	13136.94452
10.42479	13095.12012	10.42479	12914.93964	10.42479	12994.31536	10.42479	13134.24943
10.47771	13096.49181	10.47771	12912.44427	10.47771	12991.81121	10.47771	13131.59384
10.53063	13097.62867	10.53063	12909.99279	10.53063	12989.34656	10.53063	13128.97337
10.58354	13098.54825	10.58354	12907.5852	10.58354	12986.92141	10.58354	13126.38801
10.63646	13099.25494	10.63646	12905.22151	10.63646	12984.53577	10.63646	13123.83997
10.68938	13099.75972	10.68938	12902.90171	10.68938	12982.18964	10.68938	13121.32923
10.7423	13100.07576	10.7423	12900.62362	10.7423	12979.88082	10.7423	13118.85141
10.79522	13100.20963	10.79522	12898.38722	10.79522	12977.6115	10.79522	13116.40871
10.84813	13100.17671	10.84813	12896.19252	10.84813	12975.38168	10.84813	13114.00113
10.90105	13099.97919	10.90105	12894.03732	10.90105	12973.18479	10.90105	13111.62646
10.95397	13099.63023	10.95397	12891.92382	10.95397	12971.0252	10.95397	13109.28472
11.00689	13099.14301	11.00689	12889.84983	11.00689	12968.90293	11.00689	13106.97809
11.0598	13098.52191	11.0598	12887.81315	11.0598	12966.81357	11.0598	13104.69999
11.11272	13097.77791	11.11272	12885.81597	11.11272	12964.75933	11.11272	13102.45481
11.16564	13096.91758	11.16564	12883.85391	11.16564	12962.73801	11.16564	13100.24036
11.21856	13095.95411	11.21856	12881.93355	11.21856	12960.75181	11.21856	13098.05883
11.27148	13094.88968	11.27148	12880.0483	11.27148	12958.79853	11.27148	13095.90802
11.32439	13093.73527	11.32439	12878.19817	11.32439	12956.87597	11.32439	13093.78355
11.37731	13092.49526	11.37731	12876.38535	11.37731	12954.98633	11.37731	13091.692
11.43023	13091.17844	11.43023	12874.60545	11.43023	12953.12742	11.43023	13089.62679
11.48315	13089.7892	11.48315	12872.86066	11.48315	12951.29924	11.48315	13087.5923
11.53606	13088.33411	11.53606	12871.14879	11.53606	12949.50178	11.53606	13085.58415
11.58898	13086.81977	11.58898	12869.47424	11.58898	12947.73505	11.58898	13083.60673
11.6419	13085.25275	11.6419	12867.82821	11.6419	12945.99465	11.6419	13081.65344
11.74773	13081.96948	11.74773	12864.63931	11.74773	12942.60603	11.74773	13077.83247
11.80065	13080.2642	11.80065	12863.08986	11.80065	12940.95123	11.80065	13075.96039
11.85357	13078.526	11.85357	12861.57332	11.85357	12939.32495	11.85357	13074.11465
11.90649	13076.75268	11.90649	12860.08751	11.90649	12937.72502	11.90649	13072.29305
11.95941	13074.95303	11.95941	12858.63242	11.95941	12936.15581	11.95941	13070.49998
12.01232	13073.12923	12.01232	12857.20806	12.01232	12934.61074	12.01232	13068.73105
12.06524	13071.28349	12.06524	12855.81223	12.06524	12933.09201	12.06524	13066.98626
12.11816	13069.4158	12.11816	12854.44713	12.11816	12931.59742	12.11816	13065.26562
12.17108	13067.53713	12.17108	12853.11055	12.17108	12930.12916	12.17108	13063.56912
12.22399	13065.64091	12.22399	12851.80251	12.22399	12928.68505	12.22399	13061.89456

12.27691	13063.73372	12.27691	12850.523	12.27691	12927.26508	12.27691	13060.24415
12.32983	13061.81775	12.32983	12849.27202	12.32983	12925.86925	12.32983	13058.61568
12.38275	13059.89519	12.38275	12848.04958	12.38275	12924.49756	12.38275	13057.01135
12.43567	13057.96824	12.43567	12846.85347	12.43567	12923.15002	12.43567	13055.42897
12.48858	13056.03691	12.48858	12845.68369	12.48858	12921.82442	12.48858	13053.86635
12.5415	13054.10557	12.5415	12844.53806	12.5415	12920.52077	12.5415	13052.32567
12.59442	13052.17423	12.59442	12843.42315	12.59442	12919.23906	12.59442	13050.80913
12.64734	13050.2429	12.64734	12842.33019	12.64734	12917.9793	12.64734	13049.31015
12.70025	13048.31595	12.70025	12841.26137	12.70025	12916.7393	12.70025	13047.83312
12.75317	13046.39559	12.75317	12840.21669	12.75317	12915.52124	12.75317	13046.37584
12.80609	13044.47742	12.80609	12839.21371	12.80609	12914.32952	12.80609	13044.93831
12.85901	13042.56803	12.85901	12838.20196	12.85901	12913.14877	12.85901	13043.52273
12.91192	13040.66742	12.91192	12837.22751	12.91192	12911.99216	12.91192	13042.1247
12.96484	13038.7734	12.96484	12836.27721	12.96484	12910.85311	12.96484	13040.74424
13.01776	13036.88815	13.01776	12835.34885	13.01776	12909.73381	13.01776	13039.38352
13.07068	13035.01387	13.07068	12834.44244	13.07068	12908.63427	13.07068	13038.04256
13.1236	13033.15277	13.1236	12833.55797	13.1236	12907.55228	13.1236	13036.71696
13.17651	13031.30044	13.17651	12832.69546	13.17651	12906.48785	13.17651	13035.41331
13.22943	13029.45909	13.22943	12831.85269	13.22943	12905.44318	13.22943	13034.12502
13.28235	13027.6331	13.28235	12831.02968	13.28235	12904.41606	13.28235	13032.85429
13.33527	13025.82028	13.33527	12830.22642	13.33527	12903.4043	13.33527	13031.59892
13.38818	13024.02062	13.38818	12829.4451	13.38818	12902.4101	13.38818	13030.36331
13.4411	13022.23414	13.4411	12828.68135	13.4411	12901.43126	13.4411	13029.14086
13.49402	13020.46301	13.49402	12827.93735	13.49402	12900.46999	13.49402	13027.93816
13.54694	13018.70506	13.54694	12827.21309	13.54694	12899.52627	13.54694	13026.75302
13.59986	13016.96247	13.59986	12826.51957	13.59986	12898.59791	13.59986	13025.57886
13.65277	13015.23524	13.65277	12825.97309	13.65277	12897.72003	13.65277	13024.42225
13.70569	13013.52557	13.70569	12825.14788	13.70569	12896.78289	13.70569	13023.2832
13.75861	13011.82687	13.75861	12824.49386	13.75861	12895.89843	13.75861	13022.15513
13.81153	13010.14792	13.81153	12823.85959	13.81153	12895.02932	13.81153	13021.04461
13.86444	13008.48215	13.86444	12823.24069	13.86444	12894.17559	13.86444	13019.94945
13.91736	13006.83173	13.91736	12822.63715	13.91736	12893.33502	13.91736	13018.86747
13.97028	13005.19888	13.97028	12822.05116	13.97028	12892.50761	13.97028	13017.79865
14.0232	13003.58138	14.0232	12821.48054	14.0232	12891.69558	14.0232	13016.74519
14.07611	13001.97925	14.07611	12820.92528	14.07611	12890.8967	14.07611	13015.7071
14.12903	13000.39468	14.12903	12820.38758	14.12903	12890.10881	14.12903	13014.67998
14.18195	12998.82547	14.18195	12819.86085	14.18195	12889.33408	14.18195	13013.66603
14.23487	12997.27162	14.23487	12819.35387	14.23487	12888.57471	14.23487	13012.66744
14.28779	12995.73313	14.28779	12818.85787	14.28779	12887.82632	14.28779	13011.67982
14.3407	12994.21221	14.3407	12818.37943	14.3407	12887.09109	14.3407	13010.70538
14.39362	12992.70664	14.39362	12817.91196	14.39362	12886.36684	14.39362	13009.7441
14.44654	12991.21644	14.44654	12817.45985	14.44654	12885.65576	14.44654	13008.79818
14.49946	12989.7416	14.49946	12817.02969	14.49946	12884.95565	14.49946	13007.85885
14.55237	12988.28432	14.55237	12816.59514	14.55237	12884.26652	14.55237	13006.93488
14.60529	12986.84021	14.60529	12816.17814	14.60529	12883.58616	14.60529	13006.02189
14.65821	12985.41365	14.65821	12815.7809	14.65821	12882.92116	14.65821	13005.12206
14.71113	12984.00246	14.71113	12815.39244	14.71113	12882.26495	14.71113	13004.23101
14.76405	12982.60663	14.76405	12815.01495	14.76405	12881.61971	14.76405	13003.35313
14.81696	12981.22397	14.81696	12814.65283	14.81696	12880.98544	14.81696	13002.48623
14.86988	12979.85887	14.86988	12814.29948	14.86988	12880.36214	14.86988	13001.63029
14.9228	12978.50474	14.9228	12813.9593	14.9228	12879.74763	14.9228	13000.78314
14.97572	12977.17036	14.97572	12813.63229	14.97572	12879.14409	14.97572	12999.95135
15.02863	12975.84915	15.02863	12813.31406	15.02863	12878.55152	15.02863	12999.12834
15.08155	12974.54111	15.08155	12813.0068	15.08155	12877.96773	15.08155	12998.3141

15.13447	12973.24843	15.13447	12812.71052	15.13447	12877.39052	15.13447	12997.51084
15.18739	12971.96892	15.18739	12812.42301	15.18739	12876.82429	15.18739	12996.71636
15.2403	12970.70697	15.2403	12812.14648	15.2403	12876.26683	15.2403	12995.93285
15.29322	12969.4538	15.29322	12811.88092	15.29322	12875.72035	15.29322	12995.16032
15.34614	12968.21818	15.34614	12811.62414	15.34614	12875.18046	15.34614	12994.39437
15.39906	12966.99573	15.39906	12811.37833	15.39906	12874.64934	15.39906	12993.64159
15.45198	12965.78645	15.45198	12811.13911	15.45198	12874.127	15.45198	12992.89319
15.50489	12964.59034	15.50489	12810.91086	15.50489	12873.61344	15.50489	12992.15797
15.55781	12963.40959	15.55781	12810.70456	15.55781	12873.11086	15.55781	12991.43152
15.61073	12962.23762	15.61073	12810.4807	15.61073	12872.61046	15.61073	12990.71386
15.66365	12961.08321	15.66365	12810.28098	15.66365	12872.12105	15.66365	12990.00497
15.71656	12959.93977	15.71656	12810.08785	15.71656	12871.64041	15.71656	12989.30486
15.76948	12958.8095	15.76948	12809.9013	15.76948	12871.16635	15.76948	12988.61133
15.8224	12957.6902	15.8224	12809.72353	15.8224	12870.69888	15.8224	12987.92659
15.87532	12956.58408	15.87532	12809.55454	15.87532	12870.24019	15.87532	12987.25062
15.92824	12955.49112	15.92824	12809.39213	15.92824	12869.78808	15.92824	12986.58343
15.98115	12954.40913	15.98115	12809.23631	15.98115	12869.34256	15.98115	12985.92283
16.03407	12953.34031	16.03407	12809.09146	16.03407	12868.90581	16.03407	12985.27319
16.08699	12952.28246	16.08699	12808.951	16.08699	12868.47345	16.08699	12984.62795
16.13991	12951.23559	16.13991	12808.81712	16.13991	12868.04988	16.13991	12983.99368
16.19282	12950.20408	16.19282	12808.68983	16.19282	12867.63069	16.19282	12983.36381
16.24574	12949.17916	16.24574	12808.57131	16.24574	12867.22028	16.24574	12982.74271
16.29866	12948.1674	16.29866	12808.45938	16.29866	12866.81646	16.29866	12982.13038
16.35158	12947.16662	16.35158	12808.35184	16.35158	12866.41702	16.35158	12981.52245
16.40449	12946.179	16.40449	12808.25528	16.40449	12866.02417	16.40449	12980.9233
16.45741	12945.20017	16.45741	12808.1609	16.45741	12865.6401	16.45741	12980.33292
16.51033	12944.2323	16.51033	12808.06873	16.51033	12865.25822	16.51033	12979.74474
16.56325	12943.27761	16.56325	12807.98972	16.56325	12864.88512	16.56325	12979.16754
16.61617	12942.3295	16.61617	12807.91071	16.61617	12864.51422	16.61617	12978.59472
16.66908	12941.39236	16.66908	12807.84048	16.66908	12864.15209	16.66908	12978.03068
16.722	12940.46839	16.722	12807.77464	16.722	12863.79655	16.722	12977.47323
16.77492	12939.5532	16.77492	12807.71319	16.77492	12863.4432	16.77492	12976.92017
16.82784	12938.64679	16.82784	12807.65612	16.82784	12863.09425	16.82784	12976.37149
16.88075	12937.75136	16.88075	12807.60564	16.88075	12862.75407	16.88075	12975.83159
16.93367	12936.8647	16.93367	12807.55956	16.93367	12862.41828	16.93367	12975.29828
16.98659	12935.98901	16.98659	12807.52005	16.98659	12862.08688	16.98659	12974.77155
17.03951	12935.1221	17.03951	12807.48274	17.03951	12861.75987	17.03951	12974.25141
17.09243	12934.26398	17.09243	12807.4586	17.09243	12861.43944	17.09243	12973.73346
17.14534	12933.41682	17.14534	12807.42348	17.14534	12861.1234	17.14534	12973.22649
17.19826	12932.57845	17.19826	12807.40154	17.19826	12860.81176	17.19826	12972.7217
17.25118	12931.74885	17.25118	12807.38179	17.25118	12860.5045	17.25118	12972.22351
17.3041	12930.92803	17.3041	12807.36642	17.3041	12860.20163	17.3041	12971.7297
17.35701	12930.11599	17.35701	12807.35545	17.35701	12859.90315	17.35701	12971.24248
17.40993	12929.31273	17.40993	12807.34887	17.40993	12859.61126	17.40993	12970.76184
17.46285	12928.51825	17.46285	12807.34228	17.46285	12859.32156	17.46285	12970.28339
17.51577	12927.73255	17.51577	12807.34228	17.51577	12859.03624	17.51577	12969.81373
17.56868	12926.95343	17.56868	12807.34667	17.56868	12858.75532	17.56868	12969.34845
17.6216	12926.18529	17.6216	12807.35325	17.6216	12858.47879	17.6216	12968.88756
17.67452	12925.42373	17.67452	12807.36423	17.67452	12858.20665	17.67452	12968.43107
17.72744	12924.67094	17.72744	12807.37959	17.72744	12857.93889	17.72744	12967.98115
17.78036	12923.92474	17.78036	12807.39495	17.78036	12857.67334	17.78036	12967.53343
17.83327	12923.18952	17.83327	12807.4169	17.83327	12857.41436	17.83327	12967.09449
17.88619	12922.45869	17.88619	12807.43665	17.88619	12857.15539	17.88619	12966.65775
17.93911	12921.73663	17.93911	12807.46518	17.93911	12856.903	17.93911	12966.22539

17.99203	12921.02335	17.99203	12807.49152	17.99203	12856.6528	17.99203	12965.79962
18.04494	12920.31666	18.04494	12807.52444	18.04494	12856.40919	18.04494	12965.37824
18.09786	12919.61874	18.09786	12807.55736	18.09786	12856.16558	18.09786	12964.95905
18.15078	12918.92522	18.15078	12807.59467	18.15078	12855.92635	18.15078	12964.54645
18.2037	12918.24267	18.2037	12807.63198	18.2037	12855.69152	18.2037	12964.13604
18.25662	12917.5645	18.25662	12807.67368	18.25662	12855.46108	18.25662	12963.73441
18.30953	12916.89512	18.30953	12807.71757	18.30953	12855.23064	18.30953	12963.33278
18.36245	12916.23232	18.36245	12807.76366	18.36245	12855.00678	18.36245	12962.93773