

A Corresponding List of Angle Values, Haversine values  
of those Angles, and Logarithmic Values  
of those Haversines for use in the  
Solution of the Spherical Triangle,  
henceforth to be known as:

# The Co-Values Table

Compiled by Matthew Barker Gianelloni in 2014  
by the use of Electronic Computer and for the purpose of  
Archival for future generations.

Angle	Angle	Haversine	Log. Haversine	0° 40'	359°	0.00003384	58.25043863	1° 20'	358°	0.00013537	50.40579937
0° 1'	359° 59'	0.00000002	99.99999999	0° 41'	359° 19'	0.00003555	57.97097832	1° 21'	358° 39'	0.00013878	50.26521146
0° 2'	359° 58'	0.00000008	92.15516943	0° 42'	359° 18'	0.00003731	57.69825281	1° 22'	358° 38'	0.00014223	50.12634876
0° 3'	359° 57'	0.00000019	87.56623783	0° 43'	359° 17'	0.00003911	57.43194512	1° 23'	358° 37'	0.00014572	49.98916944
0° 4'	359° 56'	0.00000033	84.31033918	0° 44'	359° 16'	0.00004095	57.17176016	1° 24'	358° 36'	0.00014925	49.85363318
0° 5'	359° 55'	0.00000052	81.78486812	0° 45'	359° 15'	0.00004283	56.91742270	1° 25'	358° 35'	0.00015283	49.71970110
0° 6'	359° 54'	0.00000076	79.72140816	0° 46'	359° 14'	0.00004476	56.66867570	1° 26'	358° 34'	0.00015644	49.58733567
0° 7'	359° 53'	0.00000103	77.97677777	0° 47'	359° 13'	0.00004672	56.42527866	1° 27'	358° 33'	0.00016010	49.45650068
0° 8'	359° 52'	0.00000135	76.46551033	0° 48'	359° 12'	0.00004873	56.18700631	1° 28'	358° 32'	0.00016380	49.32716113
0° 9'	359° 51'	0.00000171	75.13247813	0° 49'	359° 11'	0.00005079	55.95364731	1° 29'	358° 31'	0.00016755	49.19928323
0° 10'	359° 50'	0.00000211	73.94004034	0° 50'	359° 10'	0.00005288	55.72500311	1° 30'	358° 30'	0.00017133	49.07283432
0° 11'	359° 49'	0.00000256	72.86134930	0° 51'	359° 9'	0.00005502	55.50088698	1° 31'	358° 29'	0.00017516	48.94778283
0° 12'	359° 48'	0.00000304	71.87658169	0° 52'	359° 8'	0.00005719	55.28112305	1° 32'	358° 28'	0.00017903	48.82409821
0° 13'	359° 47'	0.00000357	70.97068346	0° 53'	359° 7'	0.00005942	55.06554551	1° 33'	358° 27'	0.00018295	48.70175090
0° 14'	359° 46'	0.00000414	70.13195286	0° 54'	359° 6'	0.00006168	54.85399785	1° 34'	358° 26'	0.00018690	48.58071231
0° 15'	359° 45'	0.00000476	69.35111350	0° 55'	359° 5'	0.00006398	54.64633218	1° 35'	358° 25'	0.00019090	48.46095473
0° 16'	359° 44'	0.00000541	68.62068721	0° 56'	359° 4'	0.00006633	54.44240860	1° 36'	358° 24'	0.00019494	48.34245133
0° 17'	359° 43'	0.00000611	67.93455734	0° 57'	359° 3'	0.00006872	54.24209463	1° 37'	358° 23'	0.00019902	48.22517614
0° 18'	359° 42'	0.00000685	67.28765705	0° 58'	359° 2'	0.00007116	54.04526472	1° 38'	358° 22'	0.00020314	48.10910394
0° 19'	359° 41'	0.00000763	66.67574201	0° 59'	359° 1'	0.00007363	53.85179975	1° 39'	358° 21'	0.00020731	47.99421032
0° 20'	359° 40'	0.00000846	66.09522153	1° 0'	359° 0'	0.00007615	53.66158660	1° 40'	358° 20'	0.00021152	47.88047159
0° 21'	359° 39'	0.00000932	65.54303080	1° 1'	358° 59'	0.00007871	53.47451777	1° 41'	358° 19'	0.00021577	47.76786477
0° 22'	359° 38'	0.00001023	65.01653301	1° 2'	358° 58'	0.00008131	53.29049101	1° 42'	358° 18'	0.00022007	47.65636755
0° 23'	359° 37'	0.00001119	64.51344316	1° 3'	358° 57'	0.00008395	53.10940896	1° 43'	358° 17'	0.00022440	47.54595828
0° 24'	359° 36'	0.00001218	64.03176815	1° 4'	358° 56'	0.00008664	52.93117887	1° 44'	358° 16'	0.00022878	47.43661595
0° 25'	359° 35'	0.00001322	63.56975908	1° 5'	358° 55'	0.00008937	52.75571231	1° 45'	358° 15'	0.00023320	47.32832013
0° 26'	359° 34'	0.00001430	63.12587291	1° 6'	358° 54'	0.00009214	52.58292489	1° 46'	358° 14'	0.00023766	47.22105098
0° 27'	359° 33'	0.00001542	62.69874137	1° 7'	358° 53'	0.00009495	52.41273603	1° 47'	358° 13'	0.00024217	47.11478923
0° 28'	359° 32'	0.00001658	62.28714554	1° 8'	358° 52'	0.00009781	52.24506875	1° 48'	358° 12'	0.00024672	47.00951613
0° 29'	359° 31'	0.00001779	61.88999483	1° 9'	358° 51'	0.00010071	52.07984940	1° 49'	358° 11'	0.00025130	46.90521347
0° 30'	359° 30'	0.00001903	61.50630965	1° 10'	358° 50'	0.00010365	51.91700756	1° 50'	358° 10'	0.00025594	46.80186351
0° 31'	359° 29'	0.00002032	61.13520676	1° 11'	358° 49'	0.00010663	51.75647576	1° 51'	358° 9'	0.00026061	46.69944902
0° 32'	359° 28'	0.00002166	60.77588707	1° 12'	358° 48'	0.00010965	51.59818940	1° 52'	358° 8'	0.00026533	46.59795322
0° 33'	359° 27'	0.00002303	60.42762531	1° 13'	358° 47'	0.00011272	51.44208652	1° 53'	358° 7'	0.00027009	46.49735977
0° 34'	359° 26'	0.00002445	60.08976115	1° 14'	358° 46'	0.00011583	51.28810772	1° 54'	358° 6'	0.00027489	46.39765278
0° 35'	359° 25'	0.00002591	59.76169170	1° 15'	358° 45'	0.00011898	51.13619597	1° 55'	358° 5'	0.00027973	46.29881676
0° 36'	359° 24'	0.00002741	59.44286505	1° 16'	358° 44'	0.00012218	50.98629651	1° 56'	358° 4'	0.00028462	46.20083663
0° 37'	359° 23'	0.00002896	59.13277463	1° 17'	358° 43'	0.00012541	50.83835674	1° 57'	358° 3'	0.00028954	46.10369771
0° 38'	359° 22'	0.00003054	58.83095444	1° 18'	358° 42'	0.00012869	50.69232608	1° 58'	358° 2'	0.00029451	46.00738566
0° 39'	359° 21'	0.00003217	58.53697479	1° 19'	358° 41'	0.00013201	50.54815589	1° 59'	358° 1'	0.00029953	45.91188655

2° 0'	358° 0'	0.00030458	45.81718676	2° 40'	357° 20'	0.00054144	42.56173473	3° 20'	356° 40'	0.00084592	40.03683792
2° 1'	357° 59'	0.00030968	45.72327303	2° 41'	357° 19'	0.00054823	42.49123205	3° 21'	356° 39'	0.00085439	39.98040643
2° 2'	357° 58'	0.00031482	45.63013242	2° 42'	357° 18'	0.00055506	42.42116609	3° 22'	356° 38'	0.00086291	39.92425516
2° 3'	357° 57'	0.00032000	45.53775231	2° 43'	357° 17'	0.00056193	42.35153146	3° 23'	356° 37'	0.00087148	39.86838133
2° 4'	357° 56'	0.00032522	45.44612038	2° 44'	357° 16'	0.00056885	42.28232290	3° 24'	356° 36'	0.00088008	39.81278224
2° 5'	357° 55'	0.00033049	45.35522462	2° 45'	357° 15'	0.00057580	42.21353522	3° 25'	356° 35'	0.00088873	39.75745518
2° 6'	357° 54'	0.00033580	45.26505329	2° 46'	357° 14'	0.00058280	42.14516333	3° 26'	356° 34'	0.00089742	39.70239751
2° 7'	357° 53'	0.00034115	45.17559495	2° 47'	357° 13'	0.00058984	42.07720225	3° 27'	356° 33'	0.00090615	39.64760663
2° 8'	357° 52'	0.00034654	45.08683841	2° 48'	357° 12'	0.00059693	42.00964707	3° 28'	356° 32'	0.00091492	39.59307996
2° 9'	357° 51'	0.00035198	44.99877274	2° 49'	357° 11'	0.00060405	41.94249297	3° 29'	356° 31'	0.00092374	39.53881497
2° 10'	357° 50'	0.00035746	44.91138729	2° 50'	357° 10'	0.00061122	41.87573522	3° 30'	356° 30'	0.00093260	39.48480916
2° 11'	357° 49'	0.00036298	44.82467162	2° 51'	357° 9'	0.00061843	41.80936917	3° 31'	356° 29'	0.00094150	39.43106007
2° 12'	357° 48'	0.00036854	44.73861555	2° 52'	357° 8'	0.00062568	41.74339026	3° 32'	356° 28'	0.00095044	39.37756527
2° 13'	357° 47'	0.00037414	44.65320913	2° 53'	357° 7'	0.00063298	41.67779400	3° 33'	356° 27'	0.00095942	39.32432238
2° 14'	357° 46'	0.00037979	44.56844262	2° 54'	357° 6'	0.00064032	41.61257597	3° 34'	356° 26'	0.00096845	39.27132902
2° 15'	357° 45'	0.00038548	44.48430651	2° 55'	357° 5'	0.00064770	41.54773185	3° 35'	356° 25'	0.00097752	39.21858288
2° 16'	357° 44'	0.00039121	44.40079149	2° 56'	357° 4'	0.00065512	41.48325737	3° 36'	356° 24'	0.00098663	39.16608166
2° 17'	357° 43'	0.00039698	44.31788847	2° 57'	357° 3'	0.00066258	41.41914835	3° 37'	356° 23'	0.00099578	39.11382311
2° 18'	357° 42'	0.00040280	44.23558855	2° 58'	357° 2'	0.00067009	41.35540067	3° 38'	356° 22'	0.00100498	39.06180498
2° 19'	357° 41'	0.00040866	44.15388301	2° 59'	357° 1'	0.00067764	41.29201027	3° 39'	356° 21'	0.00101422	39.01002508
2° 20'	357° 40'	0.00041456	44.07276334	3° 0'	357° 0'	0.00068523	41.22897319	3° 40'	356° 20'	0.00102350	38.95848124
2° 21'	357° 39'	0.00042050	43.99222120	3° 1'	356° 59'	0.00069286	41.16628550	3° 41'	356° 19'	0.00103282	38.90717132
2° 22'	357° 38'	0.00042648	43.91224843	3° 2'	356° 58'	0.00070054	41.10394337	3° 42'	356° 18'	0.00104219	38.85609321
2° 23'	357° 37'	0.00043251	43.83283703	3° 3'	356° 57'	0.00070825	41.04194299	3° 43'	356° 17'	0.00105159	38.80524482
2° 24'	357° 36'	0.00043858	43.75397918	3° 4'	356° 56'	0.00071601	40.98028065	3° 44'	356° 16'	0.00106104	38.75462410
2° 25'	357° 35'	0.00044469	43.67566723	3° 5'	356° 55'	0.00072382	40.91895269	3° 45'	356° 15'	0.00107053	38.70422902
2° 26'	357° 34'	0.00045085	43.59789367	3° 6'	356° 54'	0.00073166	40.85795549	3° 46'	356° 14'	0.00108007	38.65405759
2° 27'	357° 33'	0.00045704	43.52065114	3° 7'	356° 53'	0.00073955	40.79728552	3° 47'	356° 13'	0.00108964	38.60410782
2° 28'	357° 32'	0.00046328	43.44393246	3° 8'	356° 52'	0.00074748	40.73693928	3° 48'	356° 12'	0.00109926	38.55437777
2° 29'	357° 31'	0.00046956	43.36773057	3° 9'	356° 51'	0.00075545	40.67691335	3° 49'	356° 11'	0.00110892	38.50486552
2° 30'	357° 30'	0.00047588	43.29203855	3° 10'	356° 50'	0.00076346	40.61720433	3° 50'	356° 10'	0.00111862	38.45556917
2° 31'	357° 29'	0.00048225	43.21684963	3° 11'	356° 49'	0.00077152	40.55780890	3° 51'	356° 9'	0.00112837	38.40648684
2° 32'	357° 28'	0.00048866	43.14215717	3° 12'	356° 48'	0.00077961	40.49872380	3° 52'	356° 8'	0.00113816	38.35761670
2° 33'	357° 27'	0.00049511	43.06795465	3° 13'	356° 47'	0.00078775	40.43994579	3° 53'	356° 7'	0.00114798	38.30895691
2° 34'	357° 26'	0.00050160	42.99423571	3° 14'	356° 46'	0.00079594	40.38147171	3° 54'	356° 6'	0.00115786	38.26050567
2° 35'	357° 25'	0.00050813	42.92099407	3° 15'	356° 45'	0.00080416	40.32329842	3° 55'	356° 5'	0.00116777	38.21226120
2° 36'	357° 24'	0.00051471	42.84822360	3° 16'	356° 44'	0.00081243	40.26542286	3° 56'	356° 4'	0.00117773	38.16422176
2° 37'	357° 23'	0.00052133	42.77591829	3° 17'	356° 43'	0.00082074	40.20784199	3° 57'	356° 3'	0.00118772	38.11638560
2° 38'	357° 22'	0.00052799	42.70407221	3° 18'	356° 42'	0.00082909	40.15055282	3° 58'	356° 2'	0.00119776	38.06875102
2° 39'	357° 21'	0.00053469	42.63267959	3° 19'	356° 41'	0.00083748	40.09355243	3° 59'	356° 1'	0.00120785	38.02131632

4° 0'	356° 0'	0.00121797	37.97407984	4° 40'	355° 20'	0.00165755	36.23027898	5° 20'	354° 40'	0.00216460	34.71996872
4° 1'	355° 59'	0.00122814	37.92703993	4° 41'	355° 19'	0.00166941	36.18995302	5° 21'	354° 39'	0.00217814	34.68468164
4° 2'	355° 58'	0.00123835	37.88019496	4° 42'	355° 18'	0.00168130	36.14977048	5° 22'	354° 38'	0.00219172	34.64950448
4° 3'	355° 57'	0.00124860	37.83354333	4° 43'	355° 17'	0.00169324	36.10973033	5° 23'	354° 37'	0.00220535	34.61443655
4° 4'	355° 56'	0.00125889	37.78708344	4° 44'	355° 16'	0.00170522	36.06983158	5° 24'	354° 36'	0.00221901	34.57947719
4° 5'	355° 55'	0.00126923	37.74081374	4° 45'	355° 15'	0.00171724	36.03007324	5° 25'	354° 35'	0.00223272	34.54462571
4° 6'	355° 54'	0.00127960	37.69473266	4° 46'	355° 14'	0.00172931	35.99045431	5° 26'	354° 34'	0.00224647	34.50988147
4° 7'	355° 53'	0.00129002	37.64883869	4° 47'	355° 13'	0.00174142	35.95097382	5° 27'	354° 33'	0.00226027	34.47524380
4° 8'	355° 52'	0.00130049	37.60313031	4° 48'	355° 12'	0.00175357	35.91163082	5° 28'	354° 32'	0.00227410	34.44071206
4° 9'	355° 51'	0.00131099	37.55760602	4° 49'	355° 11'	0.00176576	35.87242435	5° 29'	354° 31'	0.00228798	34.40628559
4° 10'	355° 50'	0.00132154	37.51226435	4° 50'	355° 10'	0.00177799	35.83335347	5° 30'	354° 30'	0.00230190	34.37196377
4° 11'	355° 49'	0.00133213	37.46710385	4° 51'	355° 9'	0.00179027	35.79441724	5° 31'	354° 29'	0.00231586	34.33774595
4° 12'	355° 48'	0.00134276	37.42212308	4° 52'	355° 8'	0.00180258	35.75561475	5° 32'	354° 28'	0.00232986	34.30363151
4° 13'	355° 47'	0.00135343	37.37732060	4° 53'	355° 7'	0.00181495	35.71694507	5° 33'	354° 27'	0.00234391	34.26961984
4° 14'	355° 46'	0.00136415	37.33269503	4° 54'	355° 6'	0.00182735	35.67840730	5° 34'	354° 26'	0.00235799	34.23571030
4° 15'	355° 45'	0.00137490	37.28824495	4° 55'	355° 5'	0.00183979	35.64000056	5° 35'	354° 25'	0.00237212	34.20190230
4° 16'	355° 44'	0.00138570	37.24396901	4° 56'	355° 4'	0.00185228	35.60172394	5° 36'	354° 24'	0.00238630	34.16819523
4° 17'	355° 43'	0.00139654	37.19986585	4° 57'	355° 3'	0.00186481	35.56357658	5° 37'	354° 23'	0.00240051	34.13458849
4° 18'	355° 42'	0.00140743	37.15593412	4° 58'	355° 2'	0.00187738	35.52555760	5° 38'	354° 22'	0.00241477	34.10108148
4° 19'	355° 41'	0.00141836	37.11217249	4° 59'	355° 1'	0.00188999	35.48766616	5° 39'	354° 21'	0.00242906	34.06767362
4° 20'	355° 40'	0.00142932	37.068857967	5° 0'	355° 0'	0.00190265	35.44990138	5° 40'	354° 20'	0.00244340	34.03436432
4° 21'	355° 39'	0.00144033	37.02515435	5° 1'	354° 59'	0.00191534	35.41226244	5° 41'	354° 19'	0.00245779	34.00115301
4° 22'	355° 38'	0.00145139	36.98189525	5° 2'	354° 58'	0.00192808	35.37474850	5° 42'	354° 18'	0.00247221	33.96803910
4° 23'	355° 37'	0.00146248	36.93880111	5° 3'	354° 57'	0.00194086	35.33735873	5° 43'	354° 17'	0.00248668	33.93502204
4° 24'	355° 36'	0.00147362	36.89587067	5° 4'	354° 56'	0.00195369	35.30009232	5° 44'	354° 16'	0.00250119	33.90210126
4° 25'	355° 35'	0.00148480	36.85310270	5° 5'	354° 55'	0.00196655	35.26294845	5° 45'	354° 15'	0.00251574	33.86927620
4° 26'	355° 34'	0.00149602	36.81049597	5° 6'	354° 54'	0.00197946	35.22592632	5° 46'	354° 14'	0.00253033	33.83654630
4° 27'	355° 33'	0.00150728	36.76804928	5° 7'	354° 53'	0.00199241	35.18902515	5° 47'	354° 13'	0.00254496	33.80391103
4° 28'	355° 32'	0.00151859	36.72576143	5° 8'	354° 52'	0.00200541	35.15224413	5° 48'	354° 12'	0.00255964	33.77136983
4° 29'	355° 31'	0.00152994	36.68363123	5° 9'	354° 51'	0.00201844	35.11558251	5° 49'	354° 11'	0.00257436	33.73892216
4° 30'	355° 30'	0.00154133	36.64165752	5° 10'	354° 50'	0.00203152	35.07903949	5° 50'	354° 10'	0.00258912	33.70656749
4° 31'	355° 29'	0.00155276	36.59983914	5° 11'	354° 49'	0.00204464	35.04261433	5° 51'	354° 9'	0.00260392	33.67430529
4° 32'	355° 28'	0.00156424	36.55817495	5° 12'	354° 48'	0.00205780	35.00630626	5° 52'	354° 8'	0.00261877	33.64213504
4° 33'	355° 27'	0.00157575	36.51666381	5° 13'	354° 47'	0.00207100	34.97011454	5° 53'	354° 7'	0.00263366	33.61005621
4° 34'	355° 26'	0.00158731	36.47530462	5° 14'	354° 46'	0.00208424	34.93403842	5° 54'	354° 6'	0.00264859	33.57806828
4° 35'	355° 25'	0.00159891	36.43409625	5° 15'	354° 45'	0.00209753	34.89807716	5° 55'	354° 5'	0.00266356	33.54617075
4° 36'	355° 24'	0.00161056	36.39303762	5° 16'	354° 44'	0.00211086	34.86223006	5° 56'	354° 4'	0.00267857	33.51436310
4° 37'	355° 23'	0.00162224	36.35212764	5° 17'	354° 43'	0.00212423	34.82649637	5° 57'	354° 3'	0.00269363	33.48264484
4° 38'	355° 22'	0.00163397	36.31136524	5° 18'	354° 42'	0.00213765	34.79087538	5° 58'	354° 2'	0.00270873	33.45101545
4° 39'	355° 21'	0.00164574	36.27074937	5° 19'	354° 41'	0.00215110	34.75536640	5° 59'	354° 1'	0.00272387	33.41947446

6° 0'	354° 0'	0.00273905	33.38802136	6° 40'	353° 20'	0.00338082	32.19679609	7° 20'	352° 40'	0.00408982	31.11944527
6° 1'	353° 59'	0.00275427	33.35665566	6° 41'	353° 19'	0.00339772	32.16856912	7° 21'	352° 39'	0.00410841	31.09378758
6° 2'	353° 58'	0.00276954	33.32537690	6° 42'	353° 18'	0.00341467	32.14041262	7° 22'	352° 38'	0.00412703	31.06818816
6° 3'	353° 57'	0.00278485	33.29418457	6° 43'	353° 17'	0.00343166	32.11232623	7° 23'	352° 37'	0.00414570	31.04264675
6° 4'	353° 56'	0.00280020	33.26307822	6° 44'	353° 16'	0.00344869	32.08430960	7° 24'	352° 36'	0.00416441	31.01716309
6° 5'	353° 55'	0.00281559	33.23205737	6° 45'	353° 15'	0.00346577	32.05636240	7° 25'	352° 35'	0.00418317	30.99173693
6° 6'	353° 54'	0.00283102	33.20112155	6° 46'	353° 14'	0.00348288	32.02848428	7° 26'	352° 34'	0.00420196	30.96636799
6° 7'	353° 53'	0.00284650	33.17027030	6° 47'	353° 13'	0.00350004	32.00067489	7° 27'	352° 33'	0.00422080	30.94105604
6° 8'	353° 52'	0.00286202	33.13950315	6° 48'	353° 12'	0.00351724	31.97293391	7° 28'	352° 32'	0.00423968	30.91580080
6° 9'	353° 51'	0.00287758	33.10881966	6° 49'	353° 11'	0.00353448	31.94526100	7° 29'	352° 31'	0.00425860	30.89060204
6° 10'	353° 50'	0.00289318	33.07821937	6° 50'	353° 10'	0.00355177	31.91765583	7° 30'	352° 30'	0.00427756	30.86545949
6° 11'	353° 49'	0.00290883	33.04770183	6° 51'	353° 9'	0.00356909	31.89011806	7° 31'	352° 29'	0.00429657	30.84037292
6° 12'	353° 48'	0.00292451	33.01726660	6° 52'	353° 8'	0.00358646	31.86264738	7° 32'	352° 28'	0.00431562	30.81534206
6° 13'	353° 47'	0.00294024	32.98691323	6° 53'	353° 7'	0.00360387	31.83524345	7° 33'	352° 27'	0.00433471	30.79036669
6° 14'	353° 46'	0.00295601	32.95664129	6° 54'	353° 6'	0.00362132	31.80790595	7° 34'	352° 26'	0.00435384	30.76544654
6° 15'	353° 45'	0.00297183	32.92645034	6° 55'	353° 5'	0.00363882	31.78063456	7° 35'	352° 25'	0.00437301	30.74058139
6° 16'	353° 44'	0.00298768	32.89633995	6° 56'	353° 4'	0.00365635	31.75342897	7° 36'	352° 24'	0.00439223	30.71577098
6° 17'	353° 43'	0.00300358	32.86630970	6° 57'	353° 3'	0.00367393	31.72628886	7° 37'	352° 23'	0.00441148	30.69101508
6° 18'	353° 42'	0.00301952	32.83635916	6° 58'	353° 2'	0.00369155	31.69921391	7° 38'	352° 22'	0.00443078	30.66631346
6° 19'	353° 41'	0.00303550	32.80648790	6° 59'	353° 1'	0.00370922	31.67220382	7° 39'	352° 21'	0.00445012	30.64166586
6° 20'	353° 40'	0.00305152	32.77689552	7° 0'	353° 0'	0.00372692	31.64525828	7° 40'	352° 20'	0.00446950	30.61707207
6° 21'	353° 39'	0.00306759	32.74698159	7° 1'	352° 59'	0.00374467	31.61837697	7° 41'	352° 19'	0.00448893	30.59253184
6° 22'	353° 38'	0.00308370	32.71734572	7° 2'	352° 58'	0.00376245	31.59155960	7° 42'	352° 18'	0.00450840	30.56804495
6° 23'	353° 37'	0.00309984	32.68778748	7° 3'	352° 57'	0.00378028	31.56480586	7° 43'	352° 17'	0.00452790	30.54361116
6° 24'	353° 36'	0.00311604	32.65830647	7° 4'	352° 56'	0.00379816	31.53811546	7° 44'	352° 16'	0.00454745	30.51923025
6° 25'	353° 35'	0.00313227	32.62890230	7° 5'	352° 55'	0.00381607	31.51148808	7° 45'	352° 15'	0.00456705	30.49490199
6° 26'	353° 34'	0.00314855	32.59957456	7° 6'	352° 54'	0.00383403	31.48492345	7° 46'	352° 14'	0.00458668	30.47062614
6° 27'	353° 33'	0.00316486	32.57032287	7° 7'	352° 53'	0.00385202	31.45842126	7° 47'	352° 13'	0.00460636	30.44640250
6° 28'	353° 32'	0.00318122	32.54114682	7° 8'	352° 52'	0.00387006	31.43198123	7° 48'	352° 12'	0.00462608	30.42223083
6° 29'	353° 31'	0.00319762	32.51204603	7° 9'	352° 51'	0.00388815	31.40560306	7° 49'	352° 11'	0.00464584	30.39811091
6° 30'	353° 30'	0.00321407	32.48302011	7° 10'	352° 50'	0.00390627	31.37928646	7° 50'	352° 10'	0.00466564	30.37404253
6° 31'	353° 29'	0.00323055	32.45406868	7° 11'	352° 49'	0.00392444	31.35303115	7° 51'	352° 9'	0.00468548	30.35002546
6° 32'	353° 28'	0.00324708	32.42519136	7° 12'	352° 48'	0.00394264	31.32683685	7° 52'	352° 8'	0.00470537	30.32605949
6° 33'	353° 27'	0.00326365	32.39638778	7° 13'	352° 47'	0.00396089	31.30070328	7° 53'	352° 7'	0.00472529	30.30214440
6° 34'	353° 26'	0.00328026	32.36765755	7° 14'	352° 46'	0.00397919	31.27463015	7° 54'	352° 6'	0.00474526	30.27827998
6° 35'	353° 25'	0.00329692	32.33900031	7° 15'	352° 45'	0.00399752	31.24861718	7° 55'	352° 5'	0.00476528	30.25446601
6° 36'	353° 24'	0.00331361	32.31041568	7° 16'	352° 44'	0.00401590	31.22266411	7° 56'	352° 4'	0.00478533	30.23070228
6° 37'	353° 23'	0.00333035	32.28190331	7° 17'	352° 43'	0.00403431	31.19677065	7° 57'	352° 3'	0.00480542	30.20698858
6° 38'	353° 22'	0.00334713	32.25346283	7° 18'	352° 42'	0.00405277	31.17093654	7° 58'	352° 2'	0.00482556	30.18332470
6° 39'	353° 21'	0.00336395	32.22509387	7° 19'	352° 41'	0.00407128	31.14516150	7° 59'	352° 1'	0.00484574	30.15971044

8° 0'	352° 0'	0.00486596	30.13614559	8° 40'	351° 20'	0.00570914	29.23184302	9° 20'	350° 40'	0.00661923	28.39483583
8° 1'	351° 59'	0.00488622	30.11262993	8° 41'	351° 19'	0.00573107	29.21014067	9° 21'	350° 39'	0.00664284	28.37468843
8° 2'	351° 58'	0.00490653	30.08916328	8° 42'	351° 18'	0.00575305	29.18848009	9° 22'	350° 38'	0.00666649	28.35457706
8° 3'	351° 57'	0.00492688	30.06574542	8° 43'	351° 17'	0.00577507	29.16686113	9° 23'	350° 37'	0.00669018	28.33450162
8° 4'	351° 56'	0.00494726	30.04237615	8° 44'	351° 16'	0.00579714	29.14528363	9° 24'	350° 36'	0.00671391	28.31446195
8° 5'	351° 55'	0.00496769	30.01905528	8° 45'	351° 15'	0.00581924	29.12374743	9° 25'	350° 35'	0.00673769	28.29445795
8° 6'	351° 54'	0.00498817	29.99578260	8° 46'	351° 14'	0.00584139	29.10225236	9° 26'	350° 34'	0.00676151	28.27448948
8° 7'	351° 53'	0.00500868	29.97255792	8° 47'	351° 13'	0.00586357	29.08079829	9° 27'	350° 33'	0.00678537	28.25455642
8° 8'	351° 52'	0.00502924	29.94938104	8° 48'	351° 12'	0.00588580	29.05938504	9° 28'	350° 32'	0.00680927	28.23465865
8° 9'	351° 51'	0.00504983	29.92625176	8° 49'	351° 11'	0.00590808	29.03801247	9° 29'	350° 31'	0.00683321	28.21479603
8° 10'	351° 50'	0.00507047	29.90316989	8° 50'	351° 10'	0.00593039	29.01668043	9° 30'	350° 30'	0.00685719	28.19496845
8° 11'	351° 49'	0.00509116	29.88013524	8° 51'	351° 9'	0.00595275	28.99538875	9° 31'	350° 29'	0.00688122	28.17517579
8° 12'	351° 48'	0.00511188	29.85714762	8° 52'	351° 8'	0.00597514	28.97413730	9° 32'	350° 28'	0.00690529	28.15541791
8° 13'	351° 47'	0.00513265	29.83420683	8° 53'	351° 7'	0.00599758	28.95292591	9° 33'	350° 27'	0.00692940	28.13569471
8° 14'	351° 46'	0.00515345	29.81131269	8° 54'	351° 6'	0.00602006	28.93175444	9° 34'	350° 26'	0.00695355	28.11600606
8° 15'	351° 45'	0.00517430	29.78846500	8° 55'	351° 5'	0.00604259	28.91062274	9° 35'	350° 25'	0.00697774	28.09635184
8° 16'	351° 44'	0.00519519	29.76566358	8° 56'	351° 4'	0.00606515	28.88953067	9° 36'	350° 24'	0.00700198	28.07673193
8° 17'	351° 43'	0.00521613	29.74290825	8° 57'	351° 3'	0.00608776	28.86847806	9° 37'	350° 23'	0.00702625	28.05714622
8° 18'	351° 42'	0.00523710	29.72019882	8° 58'	351° 2'	0.00611040	28.84746478	9° 38'	350° 22'	0.00705057	28.03759457
8° 19'	351° 41'	0.00525812	29.69753510	8° 59'	351° 1'	0.00613309	28.82649069	9° 39'	350° 21'	0.00707493	28.01807689
8° 20'	351° 40'	0.00527918	29.67491691	9° 0'	351° 0'	0.00615583	28.80555563	9° 40'	350° 20'	0.00709933	27.99859304
8° 21'	351° 39'	0.00530028	29.65234408	9° 1'	350° 59'	0.00617860	28.78465946	9° 41'	350° 19'	0.00712378	27.97914292
8° 22'	351° 38'	0.00532142	29.62981641	9° 2'	350° 58'	0.00620141	28.76380205	9° 42'	350° 18'	0.00714826	27.95972641
8° 23'	351° 37'	0.00534260	29.60733374	9° 3'	350° 57'	0.00622427	28.74298324	9° 43'	350° 17'	0.00717279	27.94034338
8° 24'	351° 36'	0.00536383	29.58489588	9° 4'	350° 56'	0.00624717	28.72220289	9° 44'	350° 16'	0.00719736	27.92099374
8° 25'	351° 35'	0.00538510	29.56250265	9° 5'	350° 55'	0.00627011	28.70146087	9° 45'	350° 15'	0.00722197	27.90167736
8° 26'	351° 34'	0.00540641	29.54015388	9° 6'	350° 54'	0.00629309	28.68075703	9° 46'	350° 14'	0.00724662	27.88239413
8° 27'	351° 33'	0.00542776	29.51784940	9° 7'	350° 53'	0.00631612	28.66009123	9° 47'	350° 13'	0.00727131	27.86314394
8° 28'	351° 32'	0.00544915	29.49558902	9° 8'	350° 52'	0.00633918	28.63946334	9° 48'	350° 12'	0.00729605	27.84392668
8° 29'	351° 31'	0.00547059	29.47337258	9° 9'	350° 51'	0.00636229	28.61887322	9° 49'	350° 11'	0.00732082	27.82474223
8° 30'	351° 30'	0.00549206	29.45119991	9° 10'	350° 50'	0.00638544	28.59832073	9° 50'	350° 10'	0.00734564	27.80559048
8° 31'	351° 29'	0.00551358	29.42907083	9° 11'	350° 49'	0.00640863	28.57780573	9° 51'	350° 9'	0.00737050	27.78647133
8° 32'	351° 28'	0.00553514	29.40698517	9° 12'	350° 48'	0.00643186	28.55732809	9° 52'	350° 8'	0.00739540	27.76738466
8° 33'	351° 27'	0.00555675	29.38494276	9° 13'	350° 47'	0.00645514	28.53688768	9° 53'	350° 7'	0.00742035	27.74833036
8° 34'	351° 26'	0.00557839	29.36294344	9° 14'	350° 46'	0.00647845	28.51648435	9° 54'	350° 6'	0.00744533	27.72930833
8° 35'	351° 25'	0.00560008	29.34098704	9° 15'	350° 45'	0.00650181	28.49611798	9° 55'	350° 5'	0.00747036	27.71031845
8° 36'	351° 24'	0.00562180	29.31907339	9° 16'	350° 44'	0.00652521	28.47578843	9° 56'	350° 4'	0.00749543	27.69136062
8° 37'	351° 23'	0.00564357	29.29720232	9° 17'	350° 43'	0.00654865	28.45549557	9° 57'	350° 3'	0.00752054	27.67243474
8° 38'	351° 22'	0.00566539	29.27537368	9° 18'	350° 42'	0.00657214	28.43523927	9° 58'	350° 2'	0.00754569	27.65354069
8° 39'	351° 21'	0.00568724	29.25358730	9° 19'	350° 41'	0.00659566	28.41501940	9° 59'	350° 1'	0.00757088	27.63467836

10° 0'	350° 0'	0.00759612 3	27.61584766 7	10° 40'	349° 20'	0.00863967 7	26.88740037 9	11° 20'	348° 40'	0.00974975 2	26.20337733 2
10° 1'	349° 59'	0.00762140 0	27.59704848 5	10° 41'	349° 19'	0.00866661 8	26.86978142 1	11° 21'	348° 39'	0.00977835 5	26.18680022 7
10° 2'	349° 58'	0.00764671 9	27.57828071 6	10° 42'	349° 18'	0.00869360 2	26.85219008 7	11° 22'	348° 38'	0.00980699 9	26.17024760 5
10° 3'	349° 57'	0.00767207 9	27.55954425 7	10° 43'	349° 17'	0.00872062 7	26.83462629 3	11° 23'	348° 37'	0.00983568 5	26.15371939 7
10° 4'	349° 56'	0.00769748 1	27.54083900 4	10° 44'	349° 16'	0.00874769 3	26.81708995 3	11° 24'	348° 36'	0.00986441 3	26.13721552 9
10° 5'	349° 55'	0.00772292 5	27.52216485 4	10° 45'	349° 15'	0.00877480 1	26.79958098 2	11° 25'	348° 35'	0.00989318 2	26.12073593 3
10° 6'	349° 54'	0.00774841 0	27.50352170 5	10° 46'	349° 14'	0.00880195 1	26.78209929 5	11° 26'	348° 34'	0.00992199 2	26.10428053 6
10° 7'	349° 53'	0.00777393 7	27.48490945 4	10° 47'	349° 13'	0.00882914 2	26.76464480 8	11° 27'	348° 33'	0.00995084 4	26.08784926 9
10° 8'	349° 52'	0.00779950 5	27.46632800 0	10° 48'	349° 12'	0.00885637 5	26.74721743 8	11° 28'	348° 32'	0.00997973 7	26.07144206 1
10° 9'	349° 51'	0.00782511 6	27.44777724 2	10° 49'	349° 11'	0.00888364 9	26.72981710 1	11° 29'	348° 31'	0.01000867 2	26.05505884 4
10° 10'	349° 50'	0.00785076 7	27.42925708 0	10° 50'	349° 10'	0.00891096 5	26.71244371 4	11° 30'	348° 30'	0.01003764 8	26.03869954 7
10° 11'	349° 49'	0.00787646 1	27.41076741 4	10° 51'	349° 9'	0.00893832 2	26.69509719 4	11° 31'	348° 29'	0.01006666 5	26.02236410 3
10° 12'	349° 48'	0.00790219 6	27.39230814 4	10° 52'	349° 8'	0.00896572 1	26.67777745 9	11° 32'	348° 28'	0.01009572 4	26.00605244 1
10° 13'	349° 47'	0.00792797 3	27.37387917 1	10° 53'	349° 7'	0.00899316 2	26.66048442 8	11° 33'	348° 27'	0.01012482 5	25.98976449 3
10° 14'	349° 46'	0.00795379 1	27.35548039 7	10° 54'	349° 6'	0.00902064 4	26.64321801 9	11° 34'	348° 26'	0.01015396 7	25.97350019 2
10° 15'	349° 45'	0.00797965 1	27.33711172 3	10° 55'	349° 5'	0.00904816 7	26.62597815 0	11° 35'	348° 25'	0.01018315 0	25.95725946 9
10° 16'	349° 44'	0.00800555 3	27.31877305 3	10° 56'	349° 4'	0.00907573 2	26.60876474 2	11° 36'	348° 24'	0.01021237 5	25.94104225 7
10° 17'	349° 43'	0.00803149 6	27.30046428 9	10° 57'	349° 3'	0.00910333 9	26.59157771 3	11° 37'	348° 23'	0.01024164 2	25.92484848 9
10° 18'	349° 42'	0.00805748 1	27.28218533 4	10° 58'	349° 2'	0.00913098 7	26.57441698 3	11° 38'	348° 22'	0.01027094 9	25.90867809 7
10° 19'	349° 41'	0.00808350 8	27.26393609 3	10° 59'	349° 1'	0.00915867 7	26.55728247 4	11° 39'	348° 21'	0.01030029 8	25.89253101 6
10° 20'	349° 40'	0.00810957 6	27.24571646 9	11° 0'	349° 0'	0.00918640 8	26.54017410 6	11° 40'	348° 20'	0.01032968 9	25.87640717 7
10° 21'	349° 39'	0.00813568 6	27.22752636 8	11° 1'	348° 59'	0.00921418 1	26.52309179 9	11° 41'	348° 19'	0.01035912 1	25.86030651 6
10° 22'	349° 38'	0.00816183 7	27.20936569 5	11° 2'	348° 58'	0.00924199 5	26.50603547 6	11° 42'	348° 18'	0.01038859 5	25.84422896 7
10° 23'	349° 37'	0.00818803 0	27.19123435 5	11° 3'	348° 57'	0.00926985 1	26.48900505 7	11° 43'	348° 17'	0.01041811 0	25.82817446 3
10° 24'	349° 36'	0.00821426 5	27.17313225 4	11° 4'	348° 56'	0.00929774 9	26.47200046 6	11° 44'	348° 16'	0.01044766 6	25.81214294 0
10° 25'	349° 35'	0.00824054 1	27.15505930 0	11° 5'	348° 55'	0.00932568 8	26.45502162 5	11° 45'	348° 15'	0.01047726 4	25.79613433 3
10° 26'	349° 34'	0.00826685 9	27.13701539 9	11° 6'	348° 54'	0.00935366 8	26.43806845 7	11° 46'	348° 14'	0.01050690 3	25.78014857 6
10° 27'	349° 33'	0.00829321 8	27.11900045 9	11° 7'	348° 53'	0.00938169 0	26.42114088 4	11° 47'	348° 13'	0.01053658 4	25.76418560 6
10° 28'	349° 32'	0.00831961 9	27.10101438 8	11° 8'	348° 52'	0.00940975 3	26.40423883 0	11° 48'	348° 12'	0.01056630 6	25.74824535 8
10° 29'	349° 31'	0.00834606 2	27.08305709 4	11° 9'	348° 51'	0.00943785 8	26.38736222 0	11° 49'	348° 11'	0.01059606 9	25.73232776 9
10° 30'	349° 30'	0.00837254 6	27.06512848 5	11° 10'	348° 50'	0.00946600 5	26.37051097 7	11° 50'	348° 10'	0.01062587 4	25.71643277 4
10° 31'	349° 29'	0.00839907 2	27.04722847 2	11° 11'	348° 49'	0.00949419 3	26.35368502 7	11° 51'	348° 9'	0.01065572 0	25.70056031 1
10° 32'	349° 28'	0.00842564 0	27.02935696 4	11° 12'	348° 48'	0.00952242 2	26.33688429 3	11° 52'	348° 8'	0.01068560 8	25.68471031 5
10° 33'	349° 27'	0.00845224 9	27.01151387 1	11° 13'	348° 47'	0.00955069 3	26.32010870 1	11° 53'	348° 7'	0.01071553 7	25.66888272 5
10° 34'	349° 26'	0.00847889 9	26.99369910 4	11° 14'	348° 46'	0.00957900 6	26.30335817 8	11° 54'	348° 6'	0.01074550 7	25.65307747 8
10° 35'	349° 25'	0.00850559 2	26.97591257 3	11° 15'	348° 45'	0.00960736 0	26.28663264 8	11° 55'	348° 5'	0.01077551 9	25.63729451 1
10° 36'	349° 24'	0.00853232 5	26.95815418 9	11° 16'	348° 44'	0.00963575 5	26.26993203 7	11° 56'	348° 4'	0.01080557 3	25.62153376 3
10° 37'	349° 23'	0.00855910 1	26.94042386 6	11° 17'	348° 43'	0.00966419 2	26.25325627 4	11° 57'	348° 3'	0.01083566 7	25.60579517 1
10° 38'	349° 22'	0.00858591 8	26.92272151 5	11° 18'	348° 42'	0.00969267 1	26.23660528 4	11° 58'	348° 2'	0.01086580 3	25.59007867 4
10° 39'	349° 21'	0.00861277 6	26.90504704 8	11° 19'	348° 41'	0.00972119 1	26.21997899 4	11° 59'	348° 1'	0.01089598 1	25.57438421 1

12° 0'	348° 0'	0.01092620	25.55871172	12° 40'	347° 20'	0.01216886	24.94915926	13° 20'	346° 40'	0.01347756	24.37112927
12° 1'	347° 59'	0.01095646	25.54306114	12° 41'	347° 19'	0.01220077	24.93433808	13° 21'	346° 39'	0.01351112	24.35705492
12° 2'	347° 58'	0.01098676	25.52743241	12° 42'	347° 18'	0.01223272	24.91953652	13° 22'	346° 38'	0.01354473	24.34299830
12° 3'	347° 57'	0.01101710	25.51182548	12° 43'	347° 17'	0.01226472	24.90475454	13° 23'	346° 37'	0.01357837	24.32895934
12° 4'	347° 56'	0.01104748	25.49624027	12° 44'	347° 16'	0.01229676	24.88999208	13° 24'	346° 36'	0.01361206	24.31493802
12° 5'	347° 55'	0.01107791	25.48067674	12° 45'	347° 15'	0.01232884	24.87524908	13° 25'	346° 35'	0.01364578	24.30093429
12° 6'	347° 54'	0.01110838	25.46513482	12° 46'	347° 14'	0.01236096	24.86052551	13° 26'	346° 34'	0.01367955	24.28694811
12° 7'	347° 53'	0.01113889	25.44961445	12° 47'	347° 13'	0.01239312	24.84582130	13° 27'	346° 33'	0.01371336	24.27297942
12° 8'	347° 52'	0.01116944	25.43411557	12° 48'	347° 12'	0.01242532	24.83113641	13° 28'	346° 32'	0.01374721	24.25902820
12° 9'	347° 51'	0.01120003	25.41863813	12° 49'	347° 11'	0.01245756	24.81647079	13° 29'	346° 31'	0.01378110	24.24509439
12° 10'	347° 50'	0.01123066	25.40318207	12° 50'	347° 10'	0.01248985	24.80182439	13° 30'	346° 30'	0.01381504	24.23117795
12° 11'	347° 49'	0.01126133	25.38774732	12° 51'	347° 9'	0.01252217	24.78719716	13° 31'	346° 29'	0.01384901	24.21727884
12° 12'	347° 48'	0.01129205	25.37233384	12° 52'	347° 8'	0.01255454	24.77258905	13° 32'	346° 28'	0.01388302	24.20339702
12° 13'	347° 47'	0.01132280	25.35694155	12° 53'	347° 7'	0.01258695	24.75800000	13° 33'	346° 27'	0.01391708	24.18953245
12° 14'	347° 46'	0.01135360	25.34157041	12° 54'	347° 6'	0.01261940	24.74342998	13° 34'	346° 26'	0.01395118	24.17568508
12° 15'	347° 45'	0.01138444	25.32622036	12° 55'	347° 5'	0.01265189	24.72887893	13° 35'	346° 25'	0.01398532	24.16185486
12° 16'	347° 44'	0.01141532	25.31089134	12° 56'	347° 4'	0.01268442	24.71434680	13° 36'	346° 24'	0.01401950	24.14804177
12° 17'	347° 43'	0.01144624	25.29558329	12° 57'	347° 3'	0.01271700	24.69983355	13° 37'	346° 23'	0.01405372	24.13424576
12° 18'	347° 42'	0.01147721	25.28029616	12° 58'	347° 2'	0.01274961	24.68533912	13° 38'	346° 22'	0.01408798	24.12046678
12° 19'	347° 41'	0.01150821	25.26502988	12° 59'	347° 1'	0.01278227	24.67086348	13° 39'	346° 21'	0.01412228	24.10670479
12° 20'	347° 40'	0.01153926	25.24978441	13° 0'	347° 0'	0.01281496	24.65640656	13° 40'	346° 20'	0.01415662	24.09295976
12° 21'	347° 39'	0.01157035	25.23455969	13° 1'	346° 59'	0.01284770	24.64196832	13° 41'	346° 19'	0.01419101	24.07923164
12° 22'	347° 38'	0.01160148	25.21935566	13° 2'	346° 58'	0.01288048	24.62754872	13° 42'	346° 18'	0.01422544	24.06552039
12° 23'	347° 37'	0.01163265	25.20417227	13° 3'	346° 57'	0.01291330	24.61314771	13° 43'	346° 17'	0.01425990	24.05182597
12° 24'	347° 36'	0.01166386	25.18900946	13° 4'	346° 56'	0.01294616	24.59876524	13° 44'	346° 16'	0.01429441	24.03814834
12° 25'	347° 35'	0.01169511	25.17386718	13° 5'	346° 55'	0.01297907	24.58440126	13° 45'	346° 15'	0.01432896	24.02448746
12° 26'	347° 34'	0.01172640	25.15874536	13° 6'	346° 54'	0.01301201	24.57005572	13° 46'	346° 14'	0.01436355	24.01084329
12° 27'	347° 33'	0.01175774	25.14364396	13° 7'	346° 53'	0.01304500	24.55572859	13° 47'	346° 13'	0.01439818	23.99721578
12° 28'	347° 32'	0.01178911	25.12856293	13° 8'	346° 52'	0.01307802	24.54141981	13° 48'	346° 12'	0.01443286	23.98360491
12° 29'	347° 31'	0.01182053	25.11350220	13° 9'	346° 51'	0.01311109	24.52712933	13° 49'	346° 11'	0.01446757	23.97001062
12° 30'	347° 30'	0.01185199	25.09846173	13° 10'	346° 50'	0.01314420	24.51285712	13° 50'	346° 10'	0.01450232	23.95643288
12° 31'	347° 29'	0.01188349	25.08344146	13° 11'	346° 49'	0.01317735	24.49860312	13° 51'	346° 9'	0.01453712	23.94287165
12° 32'	347° 28'	0.01191503	25.06844133	13° 12'	346° 48'	0.01321054	24.48436729	13° 52'	346° 8'	0.01457196	23.92932689
12° 33'	347° 27'	0.01194662	25.05346130	13° 13'	346° 47'	0.01324378	24.47014958	13° 53'	346° 7'	0.01460684	23.91579856
12° 34'	347° 26'	0.01197824	25.03850131	13° 14'	346° 46'	0.01327705	24.45594995	13° 54'	346° 6'	0.01464175	23.90228661
12° 35'	347° 25'	0.01200991	25.02356130	13° 15'	346° 45'	0.01331037	24.44176835	13° 55'	346° 5'	0.01467671	23.88879102
12° 36'	347° 24'	0.01204161	25.00864124	13° 16'	346° 44'	0.01334372	24.42760474	13° 56'	346° 4'	0.01471172	23.87531175
12° 37'	347° 23'	0.01207336	24.99374105	13° 17'	346° 43'	0.01337712	24.41345907	13° 57'	346° 3'	0.01474676	23.86184874
12° 38'	347° 22'	0.01210515	24.97886069	13° 18'	346° 42'	0.01341056	24.39933130	13° 58'	346° 2'	0.01478184	23.84840197
12° 39'	347° 21'	0.01213698	24.96400011	13° 19'	346° 41'	0.01344404	24.38522138	13° 59'	346° 1'	0.01481697	23.83497140



14° 0'	346° 0'	0.01485213	23.82155699	14° 40'	345° 20'	0.01629239	23.29780563	15° 20'	344° 40'	0.01779813	22.79759025
14° 1'	345° 59'	0.01488734	23.80815869	14° 41'	345° 19'	0.01632923	23.28502226	15° 21'	344° 39'	0.01783661	22.78536863
14° 2'	345° 58'	0.01492259	23.79477648	14° 42'	345° 18'	0.01636612	23.27225355	15° 22'	344° 38'	0.01787513	22.77316044
14° 3'	345° 57'	0.01495788	23.78141031	14° 43'	345° 17'	0.01640305	23.25949946	15° 23'	344° 37'	0.01791369	22.76096564
14° 4'	345° 56'	0.01499321	23.76806015	14° 44'	345° 16'	0.01644002	23.24675997	15° 24'	344° 36'	0.01795229	22.74878420
14° 5'	345° 55'	0.01502858	23.75472596	14° 45'	345° 15'	0.01647703	23.23403505	15° 25'	344° 35'	0.01799094	22.73661610
14° 6'	345° 54'	0.01506399	23.74140769	14° 46'	345° 14'	0.01651408	23.22132465	15° 26'	344° 34'	0.01802962	22.72446131
14° 7'	345° 53'	0.01509944	23.72810532	14° 47'	345° 13'	0.01655117	23.20862876	15° 27'	344° 33'	0.01806835	22.71231980
14° 8'	345° 52'	0.01513493	23.71481881	14° 48'	345° 12'	0.01658830	23.19594733	15° 28'	344° 32'	0.01810711	22.70019153
14° 9'	345° 51'	0.01517047	23.70154811	14° 49'	345° 11'	0.01662547	23.18328033	15° 29'	344° 31'	0.01814592	22.68807649
14° 10'	345° 50'	0.01520605	23.68829320	14° 50'	345° 10'	0.01666269	23.17062773	15° 30'	344° 30'	0.01818477	22.67597465
14° 11'	345° 49'	0.01524166	23.67505403	14° 51'	345° 9'	0.01669994	23.15798950	15° 31'	344° 29'	0.01822366	22.66388597
14° 12'	345° 48'	0.01527732	23.66183056	14° 52'	345° 8'	0.01673724	23.14536560	15° 32'	344° 28'	0.01826259	22.65181042
14° 13'	345° 47'	0.01531302	23.64862277	14° 53'	345° 7'	0.01677458	23.13275601	15° 33'	344° 27'	0.01830156	22.63974799
14° 14'	345° 46'	0.01534876	23.63543062	14° 54'	345° 6'	0.01681196	23.12016069	15° 34'	344° 26'	0.01834057	22.62769864
14° 15'	345° 45'	0.01538454	23.62225406	14° 55'	345° 5'	0.01684937	23.10757962	15° 35'	344° 25'	0.01837962	22.61566234
14° 16'	345° 44'	0.01542036	23.60909306	14° 56'	345° 4'	0.01688683	23.09501275	15° 36'	344° 24'	0.01841871	22.60363907
14° 17'	345° 43'	0.01545623	23.59594759	14° 57'	345° 3'	0.01692434	23.08246006	15° 37'	344° 23'	0.01845785	22.59162879
14° 18'	345° 42'	0.01549213	23.58281761	14° 58'	345° 2'	0.01696188	23.06992152	15° 38'	344° 22'	0.01849702	22.57963149
14° 19'	345° 41'	0.01552807	23.56970309	14° 59'	345° 1'	0.01699946	23.05739709	15° 39'	344° 21'	0.01853623	22.56764713
14° 20'	345° 40'	0.01556406	23.55660398	15° 0'	345° 0'	0.01703708	23.04488674	15° 40'	344° 20'	0.01857549	22.55567569
14° 21'	345° 39'	0.01560009	23.54352025	15° 1'	344° 59'	0.01707475	23.03239045	15° 41'	344° 19'	0.01861479	22.54371713
14° 22'	345° 38'	0.01563616	23.53045188	15° 2'	344° 58'	0.01711245	23.01990818	15° 42'	344° 18'	0.01865412	22.53177144
14° 23'	345° 37'	0.01567226	23.51739881	15° 3'	344° 57'	0.01715020	23.00743990	15° 43'	344° 17'	0.01869350	22.51983858
14° 24'	345° 36'	0.01570841	23.50436102	15° 4'	344° 56'	0.01718798	22.99498558	15° 44'	344° 16'	0.01873292	22.50791853
14° 25'	345° 35'	0.01574461	23.49133847	15° 5'	344° 55'	0.01722581	22.98254518	15° 45'	344° 15'	0.01877238	22.49601126
14° 26'	345° 34'	0.01578084	23.47833113	15° 6'	344° 54'	0.01726368	22.97011869	15° 46'	344° 14'	0.01881188	22.48411674
14° 27'	345° 33'	0.01581711	23.46533895	15° 7'	344° 53'	0.01730159	22.95770607	15° 47'	344° 13'	0.01885142	22.47223495
14° 28'	345° 32'	0.01585342	23.45236192	15° 8'	344° 52'	0.01733954	22.94530728	15° 48'	344° 12'	0.01889100	22.46036586
14° 29'	345° 31'	0.01588978	23.43939998	15° 9'	344° 51'	0.01737753	22.93292230	15° 49'	344° 11'	0.01893062	22.44850944
14° 30'	345° 30'	0.01592618	23.42645312	15° 10'	344° 50'	0.01741556	22.92055110	15° 50'	344° 10'	0.01897028	22.43666567
14° 31'	345° 29'	0.01596261	23.41352128	15° 11'	344° 49'	0.01745363	22.90819364	15° 51'	344° 9'	0.01900999	22.42483452
14° 32'	345° 28'	0.01599909	23.40060445	15° 12'	344° 48'	0.01749175	22.89584990	15° 52'	344° 8'	0.01904973	22.41301597
14° 33'	345° 27'	0.01603561	23.38770258	15° 13'	344° 47'	0.01752990	22.88351985	15° 53'	344° 7'	0.01908952	22.40120998
14° 34'	345° 26'	0.01607217	23.37481564	15° 14'	344° 46'	0.01756810	22.87120346	15° 54'	344° 6'	0.01912934	22.38941653
14° 35'	345° 25'	0.01610877	23.36194359	15° 15'	344° 45'	0.01760633	22.85890069	15° 55'	344° 5'	0.01916921	22.37763560
14° 36'	345° 24'	0.01614541	23.34908641	15° 16'	344° 44'	0.01764461	22.84661153	15° 56'	344° 4'	0.01920911	22.36586716
14° 37'	345° 23'	0.01618209	23.33624406	15° 17'	344° 43'	0.01768293	22.83433593	15° 57'	344° 3'	0.01924906	22.35411118
14° 38'	345° 22'	0.01621882	23.32341650	15° 18'	344° 42'	0.01772129	22.82207387	15° 58'	344° 2'	0.01928905	22.34236764
14° 39'	345° 21'	0.01625558	23.31060370	15° 19'	344° 41'	0.01775969	22.80982532	15° 59'	344° 1'	0.01932908	22.33063652

16° 0'	344° 0'	0.01936915	22.31891777	16° 40'	343° 20'	0.02100524	21.86003934	17° 20'	342° 40'	0.02270618	21.41941197
16° 1'	343° 59'	0.01940926	22.30721139	16° 41'	343° 19'	0.02104697	21.84880726	17° 21'	342° 39'	0.02274953	21.40861796
16° 2'	343° 58'	0.01944941	22.29551735	16° 42'	343° 18'	0.02108875	21.83758655	17° 22'	342° 38'	0.02279292	21.39783447
16° 3'	343° 57'	0.01948960	22.28383561	16° 43'	343° 17'	0.02113056	21.82637719	17° 23'	342° 37'	0.02283636	21.38706149
16° 4'	343° 56'	0.01952983	22.27216616	16° 44'	343° 16'	0.02117242	21.81517916	17° 24'	342° 36'	0.02287983	21.37629899
16° 5'	343° 55'	0.01957010	22.26050897	16° 45'	343° 15'	0.02121432	21.80399244	17° 25'	342° 35'	0.02292335	21.36554696
16° 6'	343° 54'	0.01961042	22.24886401	16° 46'	343° 14'	0.02125625	21.79281701	17° 26'	342° 34'	0.02296690	21.35480537
16° 7'	343° 53'	0.01965077	22.23723126	16° 47'	343° 13'	0.02129823	21.78165284	17° 27'	342° 33'	0.02301049	21.34407420
16° 8'	343° 52'	0.01969117	22.22561069	16° 48'	343° 12'	0.02134025	21.77049991	17° 28'	342° 32'	0.02305413	21.33335344
16° 9'	343° 51'	0.01973160	22.21400228	16° 49'	343° 11'	0.02138230	21.75935820	17° 29'	342° 31'	0.02309780	21.32264306
16° 10'	343° 50'	0.01977208	22.20240601	16° 50'	343° 10'	0.02142440	21.74822768	17° 30'	342° 30'	0.02314152	21.31194305
16° 11'	343° 49'	0.01981260	22.19082184	16° 51'	343° 9'	0.02146654	21.73710834	17° 31'	342° 29'	0.02318528	21.30125339
16° 12'	343° 48'	0.01985315	22.17924976	16° 52'	343° 8'	0.02150872	21.72600016	17° 32'	342° 28'	0.02322907	21.29057405
16° 13'	343° 47'	0.01989375	22.16768973	16° 53'	343° 7'	0.02155094	21.71490310	17° 33'	342° 27'	0.02327291	21.27990501
16° 14'	343° 46'	0.01993439	22.15614174	16° 54'	343° 6'	0.02159320	21.70381716	17° 34'	342° 26'	0.02331679	21.26924627
16° 15'	343° 45'	0.01997507	22.14460577	16° 55'	343° 5'	0.02163550	21.69274230	17° 35'	342° 25'	0.02336070	21.25859779
16° 16'	343° 44'	0.02001579	22.13308177	16° 56'	343° 4'	0.02167785	21.68167851	17° 36'	342° 24'	0.02340466	21.24795956
16° 17'	343° 43'	0.02005655	22.12156974	16° 57'	343° 3'	0.02172023	21.67062576	17° 37'	342° 23'	0.02344866	21.23733156
16° 18'	343° 42'	0.02009735	22.11006965	16° 58'	343° 2'	0.02176265	21.65958403	17° 38'	342° 22'	0.02349270	21.22671378
16° 19'	343° 41'	0.02013819	22.09858146	16° 59'	343° 1'	0.02180511	21.64855331	17° 39'	342° 21'	0.02353678	21.21610618
16° 20'	343° 40'	0.02017907	22.08710517	17° 0'	343° 0'	0.02184762	21.63753356	17° 40'	342° 20'	0.02358090	21.20550875
16° 21'	343° 39'	0.02022000	22.07564074	17° 1'	342° 59'	0.02189016	21.62652477	17° 41'	342° 19'	0.02362506	21.19492148
16° 22'	343° 38'	0.02026096	22.06418815	17° 2'	342° 58'	0.02193275	21.61552693	17° 42'	342° 18'	0.02366925	21.18434434
16° 23'	343° 37'	0.02030196	22.05274738	17° 3'	342° 57'	0.02197537	21.60453999	17° 43'	342° 17'	0.02371349	21.17377731
16° 24'	343° 36'	0.02034301	22.04131840	17° 4'	342° 56'	0.02201804	21.59356395	17° 44'	342° 16'	0.02375778	21.16322039
16° 25'	343° 35'	0.02038409	22.02990119	17° 5'	342° 55'	0.02206074	21.58259879	17° 45'	342° 15'	0.02380210	21.15267353
16° 26'	343° 34'	0.02042522	22.01849573	17° 6'	342° 54'	0.02210349	21.57164447	17° 46'	342° 14'	0.02384646	21.14213674
16° 27'	343° 33'	0.02046639	22.00710198	17° 7'	342° 53'	0.02214627	21.56070099	17° 47'	342° 13'	0.02389086	21.13160999
16° 28'	343° 32'	0.02050759	21.99571994	17° 8'	342° 52'	0.02218910	21.54976832	17° 48'	342° 12'	0.02393530	21.12109326
16° 29'	343° 31'	0.02054884	21.98434957	17° 9'	342° 51'	0.02223197	21.53884644	17° 49'	342° 11'	0.02397978	21.11058653
16° 30'	343° 30'	0.02059013	21.97299085	17° 10'	342° 50'	0.02227488	21.52793533	17° 50'	342° 10'	0.02402430	21.10008978
16° 31'	343° 29'	0.02063146	21.96164375	17° 11'	342° 49'	0.02231783	21.51703497	17° 51'	342° 9'	0.02406887	21.08960301
16° 32'	343° 28'	0.02067283	21.95030827	17° 12'	342° 48'	0.02236081	21.50614533	17° 52'	342° 8'	0.02411347	21.07912617
16° 33'	343° 27'	0.02071424	21.93898436	17° 13'	342° 47'	0.02240384	21.49526640	17° 53'	342° 7'	0.02415811	21.06865927
16° 34'	343° 26'	0.02075569	21.92767201	17° 14'	342° 46'	0.02244691	21.48439816	17° 54'	342° 6'	0.02420279	21.05820228
16° 35'	343° 25'	0.02079718	21.91637120	17° 15'	342° 45'	0.02249002	21.47354058	17° 55'	342° 5'	0.02424752	21.04775518
16° 36'	343° 24'	0.02083871	21.90508189	17° 16'	342° 44'	0.02253317	21.46269365	17° 56'	342° 4'	0.02429228	21.03731795
16° 37'	343° 23'	0.02088028	21.89380408	17° 17'	342° 43'	0.02257636	21.45185734	17° 57'	342° 3'	0.02433708	21.02689058
16° 38'	343° 22'	0.02092189	21.88253773	17° 18'	342° 42'	0.02261960	21.44103164	17° 58'	342° 2'	0.02438193	21.01647304
16° 39'	343° 21'	0.02096355	21.87128283	17° 19'	342° 41'	0.02266287	21.43021652	17° 59'	342° 1'	0.02442681	21.00606533

18° 0'	342° 0'	0.02447174	20.99566741	18° 40'	341° 20'	0.02630167	20.58758680	19° 20'	340° 40'	0.02819574	20.19407961
18° 1'	341° 59'	0.02451670	20.98527928	18° 41'	341° 19'	0.02634825	20.57757580	19° 21'	340° 39'	0.02824391	20.18441997
18° 2'	341° 58'	0.02456171	20.97490092	18° 42'	341° 18'	0.02639486	20.56757389	19° 22'	340° 38'	0.02829212	20.17476880
18° 3'	341° 57'	0.02460675	20.96453230	18° 43'	341° 17'	0.02644151	20.55758105	19° 23'	340° 37'	0.02834038	20.16512610
18° 4'	341° 56'	0.02465184	20.95417341	18° 44'	341° 16'	0.02648820	20.54759726	19° 24'	340° 36'	0.02838867	20.15549184
18° 5'	341° 55'	0.02469696	20.94382424	18° 45'	341° 15'	0.02653493	20.53762251	19° 25'	340° 35'	0.02843700	20.14586602
18° 6'	341° 54'	0.02474213	20.93348475	18° 46'	341° 14'	0.02658170	20.52765678	19° 26'	340° 34'	0.02848537	20.13624861
18° 7'	341° 53'	0.02478734	20.92315495	18° 47'	341° 13'	0.02662851	20.51770006	19° 27'	340° 33'	0.02853378	20.12663961
18° 8'	341° 52'	0.02483258	20.91283480	18° 48'	341° 12'	0.02667537	20.50775233	19° 28'	340° 32'	0.02858223	20.11703901
18° 9'	341° 51'	0.02487787	20.90252429	18° 49'	341° 11'	0.02672226	20.49781358	19° 29'	340° 31'	0.02863072	20.10744677
18° 10'	341° 50'	0.02492320	20.89222341	18° 50'	341° 10'	0.02676919	20.48788379	19° 30'	340° 30'	0.02867925	20.09786290
18° 11'	341° 49'	0.02496856	20.88193214	18° 51'	341° 9'	0.02681616	20.47796294	19° 31'	340° 29'	0.02872782	20.08828738
18° 12'	341° 48'	0.02501397	20.87165045	18° 52'	341° 8'	0.02686317	20.46805101	19° 32'	340° 28'	0.02877643	20.07872019
18° 13'	341° 47'	0.02505942	20.86137833	18° 53'	341° 7'	0.02691022	20.45814800	19° 33'	340° 27'	0.02882508	20.06916132
18° 14'	341° 46'	0.02510490	20.85111577	18° 54'	341° 6'	0.02695732	20.44825389	19° 34'	340° 26'	0.02887377	20.05961076
18° 15'	341° 45'	0.02515043	20.84086274	18° 55'	341° 5'	0.02700445	20.43836866	19° 35'	340° 25'	0.02892250	20.05006849
18° 16'	341° 44'	0.02519600	20.83061924	18° 56'	341° 4'	0.02705162	20.42849229	19° 36'	340° 24'	0.02897127	20.04053449
18° 17'	341° 43'	0.02524161	20.82038523	18° 57'	341° 3'	0.02709883	20.41862477	19° 37'	340° 23'	0.02902008	20.03100876
18° 18'	341° 42'	0.02528726	20.81016071	18° 58'	341° 2'	0.02714608	20.40876609	19° 38'	340° 22'	0.02906893	20.02149128
18° 19'	341° 41'	0.02533295	20.79994566	18° 59'	341° 1'	0.02719338	20.39891623	19° 39'	340° 21'	0.02911782	20.01198204
18° 20'	341° 40'	0.02537867	20.78974006	19° 0'	341° 0'	0.02724071	20.38907517	19° 40'	340° 20'	0.02916675	20.00248102
18° 21'	341° 39'	0.02542444	20.77954389	19° 1'	340° 59'	0.02728808	20.37924290	19° 41'	340° 19'	0.02921571	19.99298821
18° 22'	341° 38'	0.02547025	20.76935714	19° 2'	340° 58'	0.02733549	20.36941941	19° 42'	340° 18'	0.02926472	19.98350359
18° 23'	341° 37'	0.02551610	20.75917979	19° 3'	340° 57'	0.02738294	20.35960467	19° 43'	340° 17'	0.02931377	19.97402715
18° 24'	341° 36'	0.02556199	20.74901182	19° 4'	340° 56'	0.02743044	20.34979867	19° 44'	340° 16'	0.02936286	19.96455888
18° 25'	341° 35'	0.02560792	20.73885322	19° 5'	340° 55'	0.02747797	20.34000141	19° 45'	340° 15'	0.02941199	19.95509877
18° 26'	341° 34'	0.02565389	20.72870397	19° 6'	340° 54'	0.02752554	20.33021286	19° 46'	340° 14'	0.02946116	19.94564679
18° 27'	341° 33'	0.02569990	20.71856405	19° 7'	340° 53'	0.02757315	20.32043300	19° 47'	340° 13'	0.02951036	19.93620294
18° 28'	341° 32'	0.02574595	20.70843345	19° 8'	340° 52'	0.02762080	20.31066183	19° 48'	340° 12'	0.02955961	19.92676720
18° 29'	341° 31'	0.02579204	20.69831214	19° 9'	340° 51'	0.02766850	20.30089932	19° 49'	340° 11'	0.02960890	19.91733957
18° 30'	341° 30'	0.02583817	20.68820012	19° 10'	340° 50'	0.02771623	20.29114547	19° 50'	340° 10'	0.02965823	19.90792001
18° 31'	341° 29'	0.02588434	20.67809736	19° 11'	340° 49'	0.02776400	20.28140026	19° 51'	340° 9'	0.02970759	19.89850854
18° 32'	341° 28'	0.02593055	20.66800385	19° 12'	340° 48'	0.02781181	20.27166367	19° 52'	340° 8'	0.02975700	19.88910512
18° 33'	341° 27'	0.02597680	20.65791958	19° 13'	340° 47'	0.02785966	20.26193569	19° 53'	340° 7'	0.02980645	19.87970974
18° 34'	341° 26'	0.02602309	20.64784452	19° 14'	340° 46'	0.02790755	20.25221630	19° 54'	340° 6'	0.02985593	19.87032240
18° 35'	341° 25'	0.02606942	20.63777866	19° 15'	340° 45'	0.02795549	20.24250549	19° 55'	340° 5'	0.02990546	19.86094308
18° 36'	341° 24'	0.02611579	20.62772199	19° 16'	340° 44'	0.02800346	20.23280325	19° 56'	340° 4'	0.02995502	19.85157176
18° 37'	341° 23'	0.02616220	20.61767448	19° 17'	340° 43'	0.02805147	20.22310955	19° 57'	340° 3'	0.03000463	19.84220843
18° 38'	341° 22'	0.02620865	20.60763612	19° 18'	340° 42'	0.02809952	20.21342439	19° 58'	340° 2'	0.03005427	19.83285309
18° 39'	341° 21'	0.02625514	20.59760690	19° 19'	340° 41'	0.02814761	20.20374775	19° 59'	340° 1'	0.03010396	19.82350571

20° 0'	340° 0'	0.03015369	19.81416628	20° 40'	339°	0.03217524	19.44696363	21° 20'	338°	0.03426013	19.09167263
		0	6		20'	2	4		40'	1	9
20° 1'	339°	0.03020345	19.80483479	20° 41'	339°	0.03222659	19.43793935	21° 21'	338°	0.03431306	19.08293656
	59°	4	9		19°	4	0		39°	2	7
20° 2'	339°	0.03025325	19.79551123	20° 42'	339°	0.03227798	19.42892249	21° 22'	338°	0.03436603	19.07420747
	58°	9	9		18°	5	5		38°	3	1
20° 3'	339°	0.03030310	19.78619559	20° 43'	339°	0.03232941	19.41991305	21° 23'	338°	0.03441904	19.06548534
	57°	3	2		17°	5	7		37°	3	2
20° 4'	339°	0.03035298	19.77688784	20° 44'	339°	0.03238088	19.41091102	21° 24'	338°	0.03447209	19.05677017
	56°	7	7		16°	5	4		36°	2	0
20° 5'	339°	0.03040291	19.76758798	20° 45'	339°	0.03243239	19.40191638	21° 25'	338°	0.03452518	19.04806194
	55°	1	9		15°	5	5		35°	1	2
20° 6'	339°	0.03045287	19.75829600	20° 46'	339°	0.03248394	19.39292912	21° 26'	338°	0.03457830	19.03936064
	54°	4	5		14°	4	8		34°	9	9
20° 7'	339°	0.03050287	19.74901188	20° 47'	339°	0.03253553	19.38394924	21° 27'	338°	0.03463147	19.03066627
	53°	7	4		13°	3	1		33°	7	9
20° 8'	339°	0.03055292	19.73973561	20° 48'	339°	0.03258716	19.37497671	21° 28'	338°	0.03468468	19.02197882
	52°	0	1		12°	2	3		32°	4	3
20° 9'	339°	0.03060300	19.73046717	20° 49'	339°	0.03263883	19.36601153	21° 29'	338°	0.03473793	19.01329827
	51°	3	4		11°	0	2		31°	0	0
20° 10'	339°	0.03065312	19.72120656	20° 50'	339°	0.03269053	19.35705368	21° 30'	338°	0.03479121	19.00462460
	50°	5	1		10°	7	6		30°	6	8
20° 11'	339°	0.03070328	19.711195375	20° 51'	339° 9'	0.03274228	19.34810316	21° 31'	338°	0.03484454	18.99595782
	49°	7	8		9'	4	3		29°	1	8
20° 12'	339°	0.03075348	19.70270875	20° 52'	339° 8'	0.03279407	19.33915995	21° 32'	338°	0.03489790	18.98729791
	48°	9	3		8'	1	3		28°	6	9
20° 13'	339°	0.03080373	19.69347153	20° 53'	339° 7'	0.03284589	19.33022404	21° 33'	338°	0.03495130	18.97864487
	47°	0	2		7'	7	3		27°	9	0
20° 14'	339°	0.03085401	19.68424208	20° 54'	339° 6'	0.03289776	19.32129542	21° 34'	338°	0.03500475	18.96999867
	46°	1	4		6'	3	3		26°	3	1
20° 15'	339°	0.03090433	19.67502039	20° 55'	339° 5'	0.03294966	19.31237408	21° 35'	338°	0.03505823	18.96135931
	45°	2	6		5'	8	0		25°	5	2
20° 16'	339°	0.03095469	19.66580645	20° 56'	339° 4'	0.03300161	19.30346000	21° 36'	338°	0.03511175	18.95272678
	44°	3	5		4'	3	3		24°	7	2
20° 17'	339°	0.03100509	19.65660024	20° 57'	339° 3'	0.03305359	19.29455318	21° 37'	338°	0.03516531	18.94410107
	43°	3	7		3'	7	0		23°	8	0
20° 18'	339°	0.03105553	19.64740176	20° 58'	339° 2'	0.03310562	19.28565360	21° 38'	338°	0.03521891	18.93548216
	42°	3	2		2'	1	1		22°	9	7
20° 19'	339°	0.03110601	19.63821098	20° 59'	339° 1'	0.03315768	19.27676125	21° 39'	338°	0.03527255	18.92687006
	41°	2	6		1'	4	3		21°	9	2
20° 20'	339°	0.03115653	19.62902790	21° 0'	339° 0'	0.03320978	19.26787612	21° 40'	338°	0.03532623	18.91826474
	40°	2	7		0'	7	6		20°	8	4
20° 21'	339°	0.03120709	19.61985251	21° 1'	338°	0.03326192	19.25899820	21° 41'	338°	0.03537995	18.90966620
	39°	0	1		59°	9	9		19°	6	3
20° 22'	339°	0.03125768	19.61068478	21° 2'	338°	0.03331411	19.25012748	21° 42'	338°	0.03543371	18.90107442
	38°	9	8		58°	1	9		18°	4	9
20° 23'	339°	0.03130832	19.60152472	21° 3'	338°	0.03336633	19.24126395	21° 43'	338°	0.03548751	18.89248941
	37°	7	4		57°	2	6		17°	1	2
20° 24'	339°	0.03135900	19.59237230	21° 4'	338°	0.03341859	19.23240759	21° 44'	338°	0.03554134	18.88391114
	36°	5	7		56°	3	8		16°	8	2
20° 25'	339°	0.03140972	19.58322752	21° 5'	338°	0.03347089	19.22355840	21° 45'	338°	0.03559522	18.87533960
	35°	3	5		55°	3	4		15°	4	8
20° 26'	339°	0.03146048	19.57409036	21° 6'	338°	0.03352323	19.21471636	21° 46'	338°	0.03564913	18.86677479
	34°	0	5		54°	3	3		14°	9	9
20° 27'	339°	0.03151127	19.56496081	21° 7'	338°	0.03357561	19.20588146	21° 47'	338°	0.03570309	18.85821670
	33°	7	5		53°	2	3		13°	3	7
20° 28'	339°	0.03156211	19.55583886	21° 8'	338°	0.03362803	19.19705369	21° 48'	338°	0.03575708	18.84966532
	32°	3	3		52°	0	5		12°	7	0
20° 29'	339°	0.03161299	19.54672449	21° 9'	338°	0.03368048	19.18823304	21° 49'	338°	0.03581111	18.84112062
	31°	0	6		51°	8	6		11°	9	9
20° 30'	339°	0.03166390	19.53761770	21° 10'	338°	0.03373298	19.17941950	21° 50'	338°	0.03586519	18.83258262
	30°	5	2		50°	6	5		10°	2	3
20° 31'	339°	0.03171486	19.52851847	21° 11'	338°	0.03378552	19.17061306	21° 51'	338° 9'	0.03591930	18.82405129
	29°	1	0		49°	3	2		9'	3	3
20° 32'	339°	0.03176585	19.51942678	21° 12'	338°	0.03383809	19.16181370	21° 52'	338° 8'	0.03597345	18.81552662
	28°	6	7		48°	9	5		8'	4	8
20° 33'	339°	0.03181689	19.51034264	21° 13'	338°	0.03389071	19.15302142	21° 53'	338° 7'	0.03602764	18.80700861
	27°	0	0		47°	5	3		7'	4	8
20° 34'	339°	0.03186796	19.50126601	21° 14'	338°	0.03394337	19.14423620	21° 54'	338° 6'	0.03608187	18.79849725
	26°	5	8		46°	1	5		6'	3	4
20° 35'	339°	0.03191907	19.49219690	21° 15'	338°	0.03399606	19.13545804	21° 55'	338° 5'	0.03613614	18.78999252
	25°	9	9		45°	5	1		5'	2	5
20° 36'	339°	0.03197023	19.48313530	21° 16'	338°	0.03404880	19.12668692	21° 56'	338° 4'	0.03619044	18.78149442
	24°	2	1		44°	0	0		4'	9	2
20° 37'	339°	0.03202142	19.47408118	21° 17'	338°	0.03410157	19.11792282	21° 57'	338° 3'	0.03624479	18.77300293
	23°	5	1		43°	3	9		3'	6	3
20° 38'	339°	0.03207265	19.46503453	21° 18'	338°	0.03415438	19.10916576	21° 58'	338° 2'	0.03629918	18.76451805
	22°	8	8		42°	6	0		2'	3	1
20° 39'	339°	0.03212393	19.45599536	21° 19'	338°	0.03420723	19.10041570	21° 59'	338° 1'	0.03635360	18.75603976
	21°	0	0		41°	9	0		1'	8	3

22° 0'	338° 0'	0.03640807	18.74756806	22° 40'	337° 20'	0.03861877	18.41398963	23° 20'	336° 40'	0.04089194	18.09033454
22° 1'	337° 59'	0.03646257	18.73910293	22° 41'	337° 19'	0.03867484	18.40577971	23° 21'	336° 39'	0.04094957	18.08236543
22° 2'	337° 58'	0.03651712	18.73064437	22° 42'	337° 18'	0.03873095	18.39757598	23° 22'	336° 38'	0.04100723	18.07440217
22° 3'	337° 57'	0.03657170	18.72219237	22° 43'	337° 17'	0.03878710	18.38937844	23° 23'	336° 37'	0.04106494	18.06644475
22° 4'	337° 56'	0.03662632	18.71374691	22° 44'	337° 16'	0.03884328	18.38118706	23° 24'	336° 36'	0.04112268	18.05849315
22° 5'	337° 55'	0.03668098	18.70530799	22° 45'	337° 15'	0.03889951	18.37300185	23° 25'	336° 35'	0.04118046	18.05054738
22° 6'	337° 54'	0.03673568	18.69687560	22° 46'	337° 14'	0.03895577	18.36482279	23° 26'	336° 34'	0.04123829	18.04260743
22° 7'	337° 53'	0.03679042	18.68844972	22° 47'	337° 13'	0.03901208	18.35664988	23° 27'	336° 33'	0.04129615	18.03467328
22° 8'	337° 52'	0.03684520	18.68003035	22° 48'	337° 12'	0.03906842	18.34848310	23° 28'	336° 32'	0.04135404	18.02674492
22° 9'	337° 51'	0.03690002	18.67161748	22° 49'	337° 11'	0.03912480	18.34032246	23° 29'	336° 31'	0.04141198	18.01882236
22° 10'	337° 50'	0.03695487	18.66321110	22° 50'	337° 10'	0.03918122	18.33216793	23° 30'	336° 30'	0.04146996	18.01090557
22° 11'	337° 49'	0.03700977	18.65481120	22° 51'	337° 9'	0.03923768	18.32401951	23° 31'	336° 29'	0.04152797	18.00299456
22° 12'	337° 48'	0.03706470	18.64641776	22° 52'	337° 8'	0.03929418	18.31587720	23° 32'	336° 28'	0.04158603	17.99508932
22° 13'	337° 47'	0.03711968	18.63803079	22° 53'	337° 7'	0.03935072	18.30774098	23° 33'	336° 27'	0.04164412	17.98718983
22° 14'	337° 46'	0.03717469	18.62965026	22° 54'	337° 6'	0.03940729	18.29961084	23° 34'	336° 26'	0.04170225	17.97929609
22° 15'	337° 45'	0.03722974	18.62127618	22° 55'	337° 5'	0.03946391	18.29148677	23° 35'	336° 25'	0.04176042	17.97140810
22° 16'	337° 44'	0.03728484	18.61290852	22° 56'	337° 4'	0.03952056	18.28336878	23° 36'	336° 24'	0.04181863	17.96352583
22° 17'	337° 43'	0.03733997	18.60454729	22° 57'	337° 3'	0.03957726	18.27525684	23° 37'	336° 23'	0.04187688	17.95564929
22° 18'	337° 42'	0.03739514	18.59619246	22° 58'	337° 2'	0.03963399	18.26715095	23° 38'	336° 22'	0.04193517	17.94777847
22° 19'	337° 41'	0.03745035	18.58784405	22° 59'	337° 1'	0.03969076	18.25905110	23° 39'	336° 21'	0.04199349	17.93991336
22° 20'	337° 40'	0.03750559	18.57950202	23° 0'	337° 0'	0.03974757	18.25095729	23° 40'	336° 20'	0.04205185	17.93205395
22° 21'	337° 39'	0.03756088	18.57116638	23° 1'	336° 59'	0.03980442	18.24286949	23° 41'	336° 19'	0.04211026	17.92420023
22° 22'	337° 38'	0.03761621	18.56283711	23° 2'	336° 58'	0.03986131	18.23478771	23° 42'	336° 18'	0.04216870	17.91635219
22° 23'	337° 37'	0.03767157	18.55451420	23° 3'	336° 57'	0.03991823	18.22671194	23° 43'	336° 17'	0.04222718	17.90850984
22° 24'	337° 36'	0.03772698	18.54619765	23° 4'	336° 56'	0.03997520	18.21864217	23° 44'	336° 16'	0.04228570	17.90067315
22° 25'	337° 35'	0.03778242	18.53788745	23° 5'	336° 55'	0.04003220	18.21057838	23° 45'	336° 15'	0.04234426	17.89284213
22° 26'	337° 34'	0.03783791	18.52958358	23° 6'	336° 54'	0.04008925	18.20252058	23° 46'	336° 14'	0.04240285	17.88501676
22° 27'	337° 33'	0.03789343	18.52128604	23° 7'	336° 53'	0.04014633	18.19446875	23° 47'	336° 13'	0.04246149	17.87719704
22° 28'	337° 32'	0.03794899	18.51299482	23° 8'	336° 52'	0.04020345	18.18642288	23° 48'	336° 12'	0.04252016	17.86938295
22° 29'	337° 31'	0.03800459	18.50470991	23° 9'	336° 51'	0.04026061	18.17838296	23° 49'	336° 11'	0.04257887	17.86157450
22° 30'	337° 30'	0.03806023	18.49643130	23° 10'	336° 50'	0.04031781	18.17034899	23° 50'	336° 10'	0.04263763	17.85377166
22° 31'	337° 29'	0.03811591	18.48815897	23° 11'	336° 49'	0.04037505	18.16232097	23° 51'	336° 9'	0.04269642	17.84597445
22° 32'	337° 28'	0.03817163	18.47989293	23° 12'	336° 48'	0.04043233	18.15429887	23° 52'	336° 8'	0.04275524	17.83818284
22° 33'	337° 27'	0.03822738	18.47163316	23° 13'	336° 47'	0.04048964	18.14628269	23° 53'	336° 7'	0.04281411	17.83039683
22° 34'	337° 26'	0.03828318	18.46337966	23° 14'	336° 46'	0.04054700	18.13827242	23° 54'	336° 6'	0.04287302	17.82261641
22° 35'	337° 25'	0.03833901	18.45513241	23° 15'	336° 45'	0.04060439	18.13026806	23° 55'	336° 5'	0.04293196	17.81484158
22° 36'	337° 24'	0.03839489	18.44689140	23° 16'	336° 44'	0.04066182	18.12226960	23° 56'	336° 4'	0.04299095	17.80707232
22° 37'	337° 23'	0.03845080	18.43865663	23° 17'	336° 43'	0.04071929	18.11427702	23° 57'	336° 3'	0.04304997	17.79930863
22° 38'	337° 22'	0.03850675	18.43042808	23° 18'	336° 42'	0.04077680	18.10629032	23° 58'	336° 2'	0.04310903	17.79155050
22° 39'	337° 21'	0.03856274	18.42220575	23° 19'	336° 41'	0.04083435	18.09830950	23° 59'	336° 1'	0.04316813	17.78379793

24° 0'	336° 0'	0.04322727	17.77605090	24° 40'	335° 20'	0.04562443	17.47063225	25° 20'	334° 40'	0.04808311	17.17361263
24° 1'	335° 59'	0.04328644	17.76830942	24° 41'	335° 19'	0.04568515	17.46310626	25° 21'	334° 39'	0.04814536	17.16629096
24° 2'	335° 58'	0.04334566	17.76057346	24° 42'	335° 18'	0.04574591	17.45558550	25° 22'	334° 38'	0.04820765	17.15897427
24° 3'	335° 57'	0.04340491	17.75284302	24° 43'	335° 17'	0.04580670	17.44806999	25° 23'	334° 37'	0.04826998	17.15166254
24° 4'	335° 56'	0.04346421	17.74511811	24° 44'	335° 16'	0.04586754	17.44055969	25° 24'	334° 36'	0.04833235	17.14435578
24° 5'	335° 55'	0.04352354	17.73739870	24° 45'	335° 15'	0.04592841	17.43305462	25° 25'	334° 35'	0.04839475	17.13705396
24° 6'	335° 54'	0.04358291	17.72968479	24° 46'	335° 14'	0.04598932	17.42555476	25° 26'	334° 34'	0.04845720	17.12975710
24° 7'	335° 53'	0.04364232	17.72197637	24° 47'	335° 13'	0.04605027	17.41806011	25° 27'	334° 33'	0.04851968	17.12246517
24° 8'	335° 52'	0.04370176	17.71427344	24° 48'	335° 12'	0.04611126	17.41057065	25° 28'	334° 32'	0.04858220	17.11517818
24° 9'	335° 51'	0.04376125	17.70657599	24° 49'	335° 11'	0.04617228	17.40308639	25° 29'	334° 31'	0.04864476	17.10789612
24° 10'	335° 50'	0.04382077	17.69888401	24° 50'	335° 10'	0.04623335	17.39560731	25° 30'	334° 30'	0.04870735	17.10061898
24° 11'	335° 49'	0.04388034	17.69119749	24° 51'	335° 9'	0.04629445	17.38813341	25° 31'	334° 29'	0.04876999	17.09334675
24° 12'	335° 48'	0.04393994	17.68351643	24° 52'	335° 8'	0.04635559	17.38066468	25° 32'	334° 28'	0.04883266	17.08607944
24° 13'	335° 47'	0.04399958	17.67584082	24° 53'	335° 7'	0.04641677	17.37320112	25° 33'	334° 27'	0.04889537	17.07881702
24° 14'	335° 46'	0.04405926	17.66817065	24° 54'	335° 6'	0.04647799	17.36574271	25° 34'	334° 26'	0.04895812	17.07155950
24° 15'	335° 45'	0.04411897	17.66050591	24° 55'	335° 5'	0.04653924	17.35828946	25° 35'	334° 25'	0.04902091	17.06430688
24° 16'	335° 44'	0.04417873	17.65284660	24° 56'	335° 4'	0.04660054	17.35084135	25° 36'	334° 24'	0.04908373	17.05705913
24° 17'	335° 43'	0.04423852	17.64519271	24° 57'	335° 3'	0.04666187	17.34339838	25° 37'	334° 23'	0.04914660	17.04981627
24° 18'	335° 42'	0.04429836	17.63754423	24° 58'	335° 2'	0.04672324	17.33596053	25° 38'	334° 22'	0.04920950	17.04257827
24° 19'	335° 41'	0.04435823	17.62990115	24° 59'	335° 1'	0.04678465	17.32852782	25° 39'	334° 21'	0.04927244	17.03534515
24° 20'	335° 40'	0.04441814	17.62226347	25° 0'	335° 0'	0.04684610	17.321110022	25° 40'	334° 20'	0.04933541	17.02811688
24° 21'	335° 39'	0.04447809	17.61463119	25° 1'	334° 59'	0.04690759	17.31367773	25° 41'	334° 19'	0.04939843	17.02089346
24° 22'	335° 38'	0.04453807	17.60700428	25° 2'	334° 58'	0.04696911	17.30626034	25° 42'	334° 18'	0.04946148	17.01367489
24° 23'	335° 37'	0.04459810	17.59938275	25° 3'	334° 57'	0.04703068	17.29884805	25° 43'	334° 17'	0.04952458	17.00646116
24° 24'	335° 36'	0.04465817	17.59176659	25° 4'	334° 56'	0.04709228	17.29144086	25° 44'	334° 16'	0.04958771	16.99925226
24° 25'	335° 35'	0.04471827	17.58415579	25° 5'	334° 55'	0.04715392	17.28403874	25° 45'	334° 15'	0.04965088	16.99204820
24° 26'	335° 34'	0.04477841	17.57655035	25° 6'	334° 54'	0.04721560	17.27664171	25° 46'	334° 14'	0.04971408	16.98484895
24° 27'	335° 33'	0.04483859	17.56895025	25° 7'	334° 53'	0.04727731	17.26924974	25° 47'	334° 13'	0.04977733	16.97765452
24° 28'	335° 32'	0.04489881	17.56135549	25° 8'	334° 52'	0.04733907	17.26186284	25° 48'	334° 12'	0.04984061	16.97046490
24° 29'	335° 31'	0.04495906	17.55376606	25° 9'	334° 51'	0.04740086	17.25448100	25° 49'	334° 11'	0.04990393	16.96328008
24° 30'	335° 30'	0.04501936	17.54618196	25° 10'	334° 50'	0.04746269	17.24710420	25° 50'	334° 10'	0.04996729	16.95610006
24° 31'	335° 29'	0.04507969	17.53860317	25° 11'	334° 49'	0.04752456	17.23973245	25° 51'	334° 9'	0.05003069	16.94892484
24° 32'	335° 28'	0.04514007	17.53102970	25° 12'	334° 48'	0.04758647	17.23236574	25° 52'	334° 8'	0.05009412	16.94175439
24° 33'	335° 27'	0.04520048	17.52346153	25° 13'	334° 47'	0.04764842	17.22500406	25° 53'	334° 7'	0.05015759	16.93458873
24° 34'	335° 26'	0.04526093	17.51589865	25° 14'	334° 46'	0.04771040	17.21764741	25° 54'	334° 6'	0.05022111	16.92742784
24° 35'	335° 25'	0.04532141	17.50834107	25° 15'	334° 45'	0.04777242	17.21029577	25° 55'	334° 5'	0.05028466	16.92027172
24° 36'	335° 24'	0.04538194	17.50078877	25° 16'	334° 44'	0.04783448	17.20294914	25° 56'	334° 4'	0.05034824	16.91312036
24° 37'	335° 23'	0.04544251	17.49324174	25° 17'	334° 43'	0.04789658	17.19560752	25° 57'	334° 3'	0.05041187	16.90597375
24° 38'	335° 22'	0.04550311	17.48569999	25° 18'	334° 42'	0.04795872	17.18827090	25° 58'	334° 2'	0.05047553	16.89883189
24° 39'	335° 21'	0.04556375	17.47816349	25° 19'	334° 41'	0.04802090	17.18093927	25° 59'	334° 1'	0.05053923	16.89169478

26° 0'	334° 0'	0.05060297	16.88456240	26° 40'	333° 20'	0.05318368	16.60308460	27° 20'	332° 40'	0.05582487	16.32881165
26° 1'	333° 59'	0.05066675	16.87743476	26° 41'	333° 19'	0.05324897	16.59614144	27° 21'	332° 39'	0.05589167	16.32204414
26° 2'	333° 58'	0.05073057	16.87031184	26° 42'	333° 18'	0.05331430	16.58920278	27° 22'	332° 38'	0.05595851	16.31528091
26° 3'	333° 57'	0.05079442	16.86319364	26° 43'	333° 17'	0.05337967	16.58226860	27° 23'	332° 37'	0.05602539	16.30852196
26° 4'	333° 56'	0.05085831	16.85608015	26° 44'	333° 16'	0.05344508	16.57533891	27° 24'	332° 36'	0.05609230	16.30176728
26° 5'	333° 55'	0.05092224	16.84897137	26° 45'	333° 15'	0.05351052	16.56841370	27° 25'	332° 35'	0.05615926	16.29501687
26° 6'	333° 54'	0.05098621	16.84186729	26° 46'	333° 14'	0.05357601	16.56149297	27° 26'	332° 34'	0.05622624	16.28827073
26° 7'	333° 53'	0.05105021	16.83476791	26° 47'	333° 13'	0.05364153	16.55457670	27° 27'	332° 33'	0.05629327	16.28152884
26° 8'	333° 52'	0.05111426	16.82767322	26° 48'	333° 12'	0.05370709	16.54766490	27° 28'	332° 32'	0.05636034	16.27479120
26° 9'	333° 51'	0.05117834	16.82058321	26° 49'	333° 11'	0.05377268	16.54075755	27° 29'	332° 31'	0.05642744	16.26805781
26° 10'	333° 50'	0.05124246	16.81349788	26° 50'	333° 10'	0.05383832	16.53385466	27° 30'	332° 30'	0.05649458	16.26132867
26° 11'	333° 49'	0.05130662	16.80641722	26° 51'	333° 9'	0.05390399	16.52695622	27° 31'	332° 29'	0.05656176	16.25460376
26° 12'	333° 48'	0.05137081	16.79934122	26° 52'	333° 8'	0.05396970	16.52006221	27° 32'	332° 28'	0.05662897	16.24788309
26° 13'	333° 47'	0.05143504	16.79226989	26° 53'	333° 7'	0.05403545	16.51317264	27° 33'	332° 27'	0.05669622	16.24116664
26° 14'	333° 46'	0.05149932	16.78520322	26° 54'	333° 6'	0.05410123	16.50628751	27° 34'	332° 26'	0.05676351	16.23445442
26° 15'	333° 45'	0.05156362	16.77814119	26° 55'	333° 5'	0.05416705	16.49940679	27° 35'	332° 25'	0.05683084	16.22774641
26° 16'	333° 44'	0.05162797	16.77108380	26° 56'	333° 4'	0.05423291	16.49253050	27° 36'	332° 24'	0.05689821	16.22104262
26° 17'	333° 43'	0.05169236	16.76403105	26° 57'	333° 3'	0.05429881	16.48565862	27° 37'	332° 23'	0.05696561	16.21434303
26° 18'	333° 42'	0.05175678	16.75698294	26° 58'	333° 2'	0.05436475	16.47879115	27° 38'	332° 22'	0.05703305	16.20764765
26° 19'	333° 41'	0.05182124	16.74993945	26° 59'	333° 1'	0.05443072	16.47192809	27° 39'	332° 21'	0.05710053	16.20095647
26° 20'	333° 40'	0.05188574	16.74290058	27° 0'	333° 0'	0.05449673	16.46506942	27° 40'	332° 20'	0.05716804	16.19426948
26° 21'	333° 39'	0.05195028	16.73586632	27° 1'	332° 59'	0.05456278	16.45821515	27° 41'	332° 19'	0.05723559	16.18758667
26° 22'	333° 38'	0.05201485	16.72883667	27° 2'	332° 58'	0.05462887	16.45136526	27° 42'	332° 18'	0.05730318	16.18090805
26° 23'	333° 37'	0.05207946	16.72181163	27° 3'	332° 57'	0.05469499	16.44451976	27° 43'	332° 17'	0.05737081	16.17423361
26° 24'	333° 36'	0.05214412	16.71479118	27° 4'	332° 56'	0.05476116	16.43767864	27° 44'	332° 16'	0.05743847	16.16756334
26° 25'	333° 35'	0.05220880	16.70777532	27° 5'	332° 55'	0.05482736	16.43084188	27° 45'	332° 15'	0.05750618	16.16089724
26° 26'	333° 34'	0.05227353	16.70076405	27° 6'	332° 54'	0.05489359	16.42400950	27° 46'	332° 14'	0.05757392	16.15423530
26° 27'	333° 33'	0.05233829	16.69375736	27° 7'	332° 53'	0.05495987	16.41718147	27° 47'	332° 13'	0.05764169	16.14757752
26° 28'	333° 32'	0.05240310	16.68675524	27° 8'	332° 52'	0.05502618	16.41035780	27° 48'	332° 12'	0.05770951	16.14092389
26° 29'	333° 31'	0.05246794	16.67975770	27° 9'	332° 51'	0.05509253	16.40353848	27° 49'	332° 11'	0.05777736	16.13427441
26° 30'	333° 30'	0.05253281	16.67276471	27° 10'	332° 50'	0.05515892	16.39672351	27° 50'	332° 10'	0.05784525	16.12762908
26° 31'	333° 29'	0.05259773	16.66577629	27° 11'	332° 49'	0.05522535	16.38991288	27° 51'	332° 9'	0.05791318	16.12098789
26° 32'	333° 28'	0.05266268	16.65879241	27° 12'	332° 48'	0.05529181	16.38310658	27° 52'	332° 8'	0.05798114	16.11435082
26° 33'	333° 27'	0.05272768	16.65181308	27° 13'	332° 47'	0.05535831	16.37630462	27° 53'	332° 7'	0.05804914	16.10771789
26° 34'	333° 26'	0.05279270	16.64483829	27° 14'	332° 46'	0.05542485	16.36950697	27° 54'	332° 6'	0.05811718	16.10108908
26° 35'	333° 25'	0.05285777	16.63786804	27° 15'	332° 45'	0.05549142	16.36271365	27° 55'	332° 5'	0.05818526	16.09446440
26° 36'	333° 24'	0.05292288	16.63090231	27° 16'	332° 44'	0.05555804	16.35592464	27° 56'	332° 4'	0.05825337	16.08784382
26° 37'	333° 23'	0.05298802	16.62394111	27° 17'	332° 43'	0.05562469	16.34913994	27° 57'	332° 3'	0.05832152	16.08122736
26° 38'	333° 22'	0.05305320	16.61698443	27° 18'	332° 42'	0.05569138	16.34235955	27° 58'	332° 2'	0.05838971	16.07461500
26° 39'	333° 21'	0.05311842	16.61003226	27° 19'	332° 41'	0.05575811	16.33558345	27° 59'	332° 1'	0.05845794	16.06800674

28° 0'	332° 0'	0.05852620	16.06140258	28° 40'	331° 20'	0.06128730	15.80054048	29° 20'	330° 40'	0.06410779	15.54593033
28° 1'	331° 59'	0.05859450	16.05480251	28° 41'	331° 19'	0.06135709	15.79410022	29° 21'	330° 39'	0.06417906	15.53964276
28° 2'	331° 58'	0.05866284	16.04820652	28° 42'	331° 18'	0.06142691	15.78766386	29° 22'	330° 38'	0.06425037	15.53335892
28° 3'	331° 57'	0.05873121	16.04161462	28° 43'	331° 17'	0.06149678	15.78123139	29° 23'	330° 37'	0.06432171	15.52707881
28° 4'	331° 56'	0.05879963	16.03502679	28° 44'	331° 16'	0.06156668	15.77480282	29° 24'	330° 36'	0.06439309	15.52080241
28° 5'	331° 55'	0.05886808	16.02844303	28° 45'	331° 15'	0.06163662	15.76837814	29° 25'	330° 35'	0.06446451	15.51452974
28° 6'	331° 54'	0.05893656	16.02186334	28° 46'	331° 14'	0.06170659	15.76195734	29° 26'	330° 34'	0.06453596	15.50826078
28° 7'	331° 53'	0.05900509	16.01528772	28° 47'	331° 13'	0.06177661	15.75554042	29° 27'	330° 33'	0.06460745	15.50199553
28° 8'	331° 52'	0.05907365	16.00871615	28° 48'	331° 12'	0.06184666	15.74912738	29° 28'	330° 32'	0.06467898	15.49573399
28° 9'	331° 51'	0.05914225	16.00214863	28° 49'	331° 11'	0.06191674	15.74271820	29° 29'	330° 31'	0.06475055	15.48947615
28° 10'	331° 50'	0.05921088	15.99558516	28° 50'	331° 10'	0.06198687	15.73631290	29° 30'	330° 30'	0.06482215	15.48322200
28° 11'	331° 49'	0.05927956	15.98902573	28° 51'	331° 9'	0.06205703	15.72991146	29° 31'	330° 29'	0.06489379	15.47697155
28° 12'	331° 48'	0.05934827	15.98247035	28° 52'	331° 8'	0.06212722	15.72351387	29° 32'	330° 28'	0.06496546	15.47072479
28° 13'	331° 47'	0.05941702	15.97591899	28° 53'	331° 7'	0.06219746	15.71712014	29° 33'	330° 27'	0.06503717	15.46448171
28° 14'	331° 46'	0.05948580	15.96937167	28° 54'	331° 6'	0.06226773	15.71073026	29° 34'	330° 26'	0.06510892	15.45824232
28° 15'	331° 45'	0.05955463	15.96282837	28° 55'	331° 5'	0.06233804	15.70434422	29° 35'	330° 25'	0.06518071	15.45200660
28° 16'	331° 44'	0.05962349	15.95628909	28° 56'	331° 4'	0.06240839	15.69796202	29° 36'	330° 24'	0.06525253	15.44577455
28° 17'	331° 43'	0.05969238	15.94975383	28° 57'	331° 3'	0.06247877	15.69158366	29° 37'	330° 23'	0.06532439	15.43954618
28° 18'	331° 42'	0.05976132	15.94322258	28° 58'	331° 2'	0.06254919	15.68520913	29° 38'	330° 22'	0.06539629	15.43332146
28° 19'	331° 41'	0.05983029	15.93669533	28° 59'	331° 1'	0.06261965	15.67883843	29° 39'	330° 21'	0.06546822	15.42710041
28° 20'	331° 40'	0.05989930	15.93017209	29° 0'	331° 0'	0.06269014	15.67247155	29° 40'	330° 20'	0.06554019	15.42088302
28° 21'	331° 39'	0.05996835	15.92365284	29° 1'	330° 59'	0.06276067	15.66610850	29° 41'	330° 19'	0.06561220	15.41466928
28° 22'	331° 38'	0.06003743	15.91713759	29° 2'	330° 58'	0.06283124	15.65974925	29° 42'	330° 18'	0.06568424	15.40845919
28° 23'	331° 37'	0.06010655	15.91062632	29° 3'	330° 57'	0.06290185	15.65339382	29° 43'	330° 17'	0.06575632	15.40225274
28° 24'	331° 36'	0.06017571	15.90411903	29° 4'	330° 56'	0.06297249	15.64704219	29° 44'	330° 16'	0.06582843	15.39604994
28° 25'	331° 35'	0.06024490	15.89761573	29° 5'	330° 55'	0.06304317	15.64069436	29° 45'	330° 15'	0.06590059	15.38985077
28° 26'	331° 34'	0.06031414	15.89111640	29° 6'	330° 54'	0.06311388	15.63435034	29° 46'	330° 14'	0.06597278	15.38365523
28° 27'	331° 33'	0.06038341	15.88462103	29° 7'	330° 53'	0.06318464	15.62801010	29° 47'	330° 13'	0.06604501	15.37746333
28° 28'	331° 32'	0.06045271	15.87812964	29° 8'	330° 52'	0.06325543	15.62167366	29° 48'	330° 12'	0.06611727	15.37127504
28° 29'	331° 31'	0.06052206	15.87164220	29° 9'	330° 51'	0.06332625	15.61534100	29° 49'	330° 11'	0.06618957	15.36509038
28° 30'	331° 30'	0.06059144	15.86515872	29° 10'	330° 50'	0.06339712	15.60901212	29° 50'	330° 10'	0.06626191	15.35890934
28° 31'	331° 29'	0.06066086	15.85867919	29° 11'	330° 49'	0.06346802	15.60268701	29° 51'	330° 9'	0.06633428	15.35273191
28° 32'	331° 28'	0.06073031	15.85220361	29° 12'	330° 48'	0.06353896	15.59636568	29° 52'	330° 8'	0.06640669	15.34655809
28° 33'	331° 27'	0.06079981	15.84573196	29° 13'	330° 47'	0.06360993	15.59004812	29° 53'	330° 7'	0.06647914	15.34038787
28° 34'	331° 26'	0.06086934	15.83926426	29° 14'	330° 46'	0.06368094	15.58373432	29° 54'	330° 6'	0.06655162	15.33422126
28° 35'	331° 25'	0.06093890	15.83280049	29° 15'	330° 45'	0.06375199	15.57742428	29° 55'	330° 5'	0.06662414	15.32805824
28° 36'	331° 24'	0.06100851	15.82634065	29° 16'	330° 44'	0.06382308	15.57111800	29° 56'	330° 4'	0.06669670	15.32189882
28° 37'	331° 23'	0.06107815	15.81988473	29° 17'	330° 43'	0.06389420	15.56481546	29° 57'	330° 3'	0.06676929	15.31574298
28° 38'	331° 22'	0.06114783	15.81343274	29° 18'	330° 42'	0.06396536	15.55851668	29° 58'	330° 2'	0.06684192	15.30959074
28° 39'	331° 21'	0.06121754	15.80698465	29° 19'	330° 41'	0.06403656	15.55222163	29° 59'	330° 1'	0.06691459	15.30344207



30° 0'	330° 0'	0.06698729	15.29729698	30° 40'	329° 20'	0.06992542	15.05438346	31° 20'	328° 40'	0.07292177	14.81694937
30° 1'	329° 59'	0.06706003	15.29115547	30° 41'	329° 19'	0.06999962	15.04838179	31° 21'	328° 39'	0.07299743	14.81108174
30° 2'	329° 58'	0.06713281	15.28501752	30° 42'	329° 18'	0.07007386	15.04238355	31° 22'	328° 38'	0.07307311	14.80521739
30° 3'	329° 57'	0.06720562	15.27888314	30° 43'	329° 17'	0.07014813	15.03638872	31° 23'	328° 37'	0.07314884	14.79935633
30° 4'	329° 56'	0.06727847	15.27275233	30° 44'	329° 16'	0.07022244	15.03039730	31° 24'	328° 36'	0.07322460	14.79349853
30° 5'	329° 55'	0.06735136	15.26662507	30° 45'	329° 15'	0.07029679	15.02440930	31° 25'	328° 35'	0.07330039	14.78764400
30° 6'	329° 54'	0.06742429	15.26050137	30° 46'	329° 14'	0.07037117	15.01842470	31° 26'	328° 34'	0.07337622	14.78179274
30° 7'	329° 53'	0.06749725	15.25438122	30° 47'	329° 13'	0.07044559	15.01244350	31° 27'	328° 33'	0.07345209	14.77594475
30° 8'	329° 52'	0.06757024	15.24826461	30° 48'	329° 12'	0.07052005	15.00646570	31° 28'	328° 32'	0.07352800	14.77010001
30° 9'	329° 51'	0.06764328	15.24215155	30° 49'	329° 11'	0.07059454	15.00049130	31° 29'	328° 31'	0.07360394	14.76425853
30° 10'	329° 50'	0.06771635	15.23604203	30° 50'	329° 10'	0.07066907	14.99452028	31° 30'	328° 30'	0.07367991	14.75842030
30° 11'	329° 49'	0.06778945	15.22993604	30° 51'	329° 9'	0.07074363	14.98855266	31° 31'	328° 29'	0.07375593	14.75258532
30° 12'	329° 48'	0.06786259	15.22383359	30° 52'	329° 8'	0.07081823	14.98258842	31° 32'	328° 28'	0.07383197	14.74675358
30° 13'	329° 47'	0.06793577	15.21773466	30° 53'	329° 7'	0.07089287	14.97662756	31° 33'	328° 27'	0.07390806	14.74092509
30° 14'	329° 46'	0.06800899	15.21163926	30° 54'	329° 6'	0.07096754	14.97067008	31° 34'	328° 26'	0.07398418	14.73509984
30° 15'	329° 45'	0.06808224	15.20554738	30° 55'	329° 5'	0.07104225	14.96471597	31° 35'	328° 25'	0.07406034	14.72927783
30° 16'	329° 44'	0.06815553	15.19945901	30° 56'	329° 4'	0.07111700	14.95876523	31° 36'	328° 24'	0.07413653	14.72345904
30° 17'	329° 43'	0.06822886	15.19337416	30° 57'	329° 3'	0.07119178	14.95281785	31° 37'	328° 23'	0.07421276	14.71764349
30° 18'	329° 42'	0.06830222	15.18729281	30° 58'	329° 2'	0.07126660	14.94687384	31° 38'	328° 22'	0.07428902	14.71183116
30° 19'	329° 41'	0.06837562	15.18121497	30° 59'	329° 1'	0.07134145	14.94093319	31° 39'	328° 21'	0.07436532	14.70602206
30° 20'	329° 40'	0.06844905	15.17514064	31° 0'	329° 0'	0.07141635	14.93499590	31° 40'	328° 20'	0.07444166	14.70021617
30° 21'	329° 39'	0.06852253	15.16906980	31° 1'	328° 59'	0.07149127	14.92906196	31° 41'	328° 19'	0.07451803	14.69441350
30° 22'	329° 38'	0.06859603	15.16300245	31° 2'	328° 58'	0.07156624	14.92313136	31° 42'	328° 18'	0.07459444	14.68861405
30° 23'	329° 37'	0.06866958	15.15693860	31° 3'	328° 57'	0.07164124	14.91720411	31° 43'	328° 17'	0.07467089	14.68281780
30° 24'	329° 36'	0.06874316	15.15087823	31° 4'	328° 56'	0.07171627	14.91128021	31° 44'	328° 16'	0.07474737	14.67702476
30° 25'	329° 35'	0.06881678	15.14482134	31° 5'	328° 55'	0.07179134	14.90535964	31° 45'	328° 15'	0.07482388	14.67123492
30° 26'	329° 34'	0.06889043	15.13876793	31° 6'	328° 54'	0.07186645	14.89944241	31° 46'	328° 14'	0.07490044	14.66544828
30° 27'	329° 33'	0.06896412	15.13271800	31° 7'	328° 53'	0.07194160	14.89352851	31° 47'	328° 13'	0.07497702	14.65966484
30° 28'	329° 32'	0.06903785	15.12667154	31° 8'	328° 52'	0.07201678	14.88761793	31° 48'	328° 12'	0.07505365	14.65388459
30° 29'	329° 31'	0.06911162	15.12062855	31° 9'	328° 51'	0.07209200	14.88171068	31° 49'	328° 11'	0.07513031	14.64810754
30° 30'	329° 30'	0.06918542	15.11458902	31° 10'	328° 50'	0.07216725	14.87580675	31° 50'	328° 10'	0.07520701	14.64233366
30° 31'	329° 29'	0.06925925	15.10855295	31° 11'	328° 49'	0.07224254	14.86990614	31° 51'	328° 9'	0.07528374	14.63656298
30° 32'	329° 28'	0.06933313	15.10252034	31° 12'	328° 48'	0.07231787	14.86400885	31° 52'	328° 8'	0.07536051	14.63079547
30° 33'	329° 27'	0.06940703	15.09649118	31° 13'	328° 47'	0.07239323	14.85811486	31° 53'	328° 7'	0.07543731	14.62503114
30° 34'	329° 26'	0.06948098	15.09046548	31° 14'	328° 46'	0.07246863	14.85222418	31° 54'	328° 6'	0.07551415	14.61926998
30° 35'	329° 25'	0.06955496	15.08444321	31° 15'	328° 45'	0.07254406	14.84633681	31° 55'	328° 5'	0.07559103	14.61351199
30° 36'	329° 24'	0.06962898	15.07842439	31° 16'	328° 44'	0.07261953	14.84045273	31° 56'	328° 4'	0.07566794	14.60775717
30° 37'	329° 23'	0.06970304	15.07240901	31° 17'	328° 43'	0.07269504	14.83457195	31° 57'	328° 3'	0.07574489	14.60200552
30° 38'	329° 22'	0.06977713	15.06639706	31° 18'	328° 42'	0.07277058	14.82869447	31° 58'	328° 2'	0.07582187	14.59625702
30° 39'	329° 21'	0.06985126	15.06038855	31° 19'	328° 41'	0.07284616	14.82282027	31° 59'	328° 1'	0.07589889	14.59051168

32° 0'	328° 0'	0.07597595	14.58476950	32° 40'	327° 20'	0.07908753	14.35763260	33° 20'	326° 40'	0.08225609	14.13534022
32° 1'	327° 59'	0.07605304	14.57903047	32° 41'	327° 19'	0.07916605	14.35201705	33° 21'	326° 39'	0.08233603	14.12984335
32° 2'	327° 58'	0.07613017	14.57329459	32° 42'	327° 18'	0.07924460	14.34640453	33° 22'	326° 38'	0.08241601	14.12434938
32° 3'	327° 57'	0.07620733	14.56756185	32° 43'	327° 17'	0.07932320	14.34079502	33° 23'	326° 37'	0.08249602	14.11885831
32° 4'	327° 56'	0.07628453	14.56183225	32° 44'	327° 16'	0.07940183	14.33518853	33° 24'	326° 36'	0.08257606	14.11337015
32° 5'	327° 55'	0.07636176	14.55610579	32° 45'	327° 15'	0.07948049	14.32958506	33° 25'	326° 35'	0.08265615	14.10788489
32° 6'	327° 54'	0.07643903	14.55038247	32° 46'	327° 14'	0.07955919	14.32398460	33° 26'	326° 34'	0.08273626	14.10240252
32° 7'	327° 53'	0.07651634	14.54466228	32° 47'	327° 13'	0.07963792	14.31838715	33° 27'	326° 33'	0.08281642	14.09692305
32° 8'	327° 52'	0.07659368	14.53894521	32° 48'	327° 12'	0.07971669	14.31279270	33° 28'	326° 32'	0.08289660	14.09144647
32° 9'	327° 51'	0.07667106	14.53323128	32° 49'	327° 11'	0.07979550	14.30720126	33° 29'	326° 31'	0.08297683	14.08597277
32° 10'	327° 50'	0.07674848	14.52752046	32° 50'	327° 10'	0.07987434	14.30161282	33° 30'	326° 30'	0.08305708	14.08050196
32° 11'	327° 49'	0.07682593	14.52181277	32° 51'	327° 9'	0.07995322	14.29602738	33° 31'	326° 29'	0.08313738	14.07503404
32° 12'	327° 48'	0.07690341	14.51610819	32° 52'	327° 8'	0.08003213	14.29044493	33° 32'	326° 28'	0.08321771	14.06956899
32° 13'	327° 47'	0.07698093	14.51040672	32° 53'	327° 7'	0.08011108	14.28486547	33° 33'	326° 27'	0.08329807	14.06410682
32° 14'	327° 46'	0.07705849	14.50470837	32° 54'	327° 6'	0.08019006	14.27928900	33° 34'	326° 26'	0.08337847	14.05864753
32° 15'	327° 45'	0.07713608	14.49901312	32° 55'	327° 5'	0.08026908	14.27371552	33° 35'	326° 25'	0.08345891	14.05319111
32° 16'	327° 44'	0.07721371	14.49332098	32° 56'	327° 4'	0.08034814	14.26814502	33° 36'	326° 24'	0.08353938	14.04773755
32° 17'	327° 43'	0.07729138	14.48763193	32° 57'	327° 3'	0.08042723	14.26257750	33° 37'	326° 23'	0.08361988	14.04228686
32° 18'	327° 42'	0.07736908	14.48194599	32° 58'	327° 2'	0.08050635	14.25701295	33° 38'	326° 22'	0.08370042	14.03683904
32° 19'	327° 41'	0.07744682	14.47626313	32° 59'	327° 1'	0.08058551	14.25145138	33° 39'	326° 21'	0.08378100	14.03139407
32° 20'	327° 40'	0.07752459	14.47058337	33° 0'	327° 0'	0.08066471	14.24589278	33° 40'	326° 20'	0.08386161	14.02595196
32° 21'	327° 39'	0.07760239	14.46490670	33° 1'	326° 59'	0.08074394	14.24033715	33° 41'	326° 19'	0.08394225	14.02051271
32° 22'	327° 38'	0.07768024	14.45923311	33° 2'	326° 58'	0.08082321	14.23478448	33° 42'	326° 18'	0.08402293	14.01507631
32° 23'	327° 37'	0.07775812	14.45356261	33° 3'	326° 57'	0.08090251	14.22923478	33° 43'	326° 17'	0.08410365	14.00964276
32° 24'	327° 36'	0.07783603	14.44789518	33° 4'	326° 56'	0.08098185	14.22368803	33° 44'	326° 16'	0.08418440	14.00421205
32° 25'	327° 35'	0.07791398	14.44223083	33° 5'	326° 55'	0.08106123	14.21814424	33° 45'	326° 15'	0.08426519	13.99878419
32° 26'	327° 34'	0.07799197	14.43656956	33° 6'	326° 54'	0.08114064	14.21260341	33° 46'	326° 14'	0.08434601	13.99335917
32° 27'	327° 33'	0.07806999	14.43091135	33° 7'	326° 53'	0.08122008	14.20706552	33° 47'	326° 13'	0.08442687	13.98793699
32° 28'	327° 32'	0.07814805	14.42525621	33° 8'	326° 52'	0.08129956	14.20153059	33° 48'	326° 12'	0.08450776	13.98251764
32° 29'	327° 31'	0.07822614	14.41960413	33° 9'	326° 51'	0.08137908	14.19599860	33° 49'	326° 11'	0.08458869	13.97710113
32° 30'	327° 30'	0.07830427	14.41395511	33° 10'	326° 50'	0.08145863	14.19046955	33° 50'	326° 10'	0.08466965	13.97168745
32° 31'	327° 29'	0.07838244	14.40830915	33° 11'	326° 49'	0.08153822	14.18494343	33° 51'	326° 9'	0.08475065	13.96627660
32° 32'	327° 28'	0.07846064	14.40266625	33° 12'	326° 48'	0.08161784	14.17942026	33° 52'	326° 8'	0.08483168	13.96086857
32° 33'	327° 27'	0.07853887	14.39702640	33° 13'	326° 47'	0.08169750	14.17390002	33° 53'	326° 7'	0.08491275	13.95546336
32° 34'	327° 26'	0.07861715	14.39138959	33° 14'	326° 46'	0.08177719	14.16838271	33° 54'	326° 6'	0.08499385	13.95006097
32° 35'	327° 25'	0.07869545	14.38575583	33° 15'	326° 45'	0.08185692	14.16286832	33° 55'	326° 5'	0.08507499	13.94466140
32° 36'	327° 24'	0.07877380	14.38012511	33° 16'	326° 44'	0.08193668	14.15735687	33° 56'	326° 4'	0.08515616	13.93926464
32° 37'	327° 23'	0.07885218	14.37449743	33° 17'	326° 43'	0.08201648	14.15184833	33° 57'	326° 3'	0.08523737	13.93387070
32° 38'	327° 22'	0.07893059	14.36887279	33° 18'	326° 42'	0.08209631	14.14634271	33° 58'	326° 2'	0.08531862	13.92847956
32° 39'	327° 21'	0.07900904	14.36325118	33° 19'	326° 41'	0.08217618	14.14084001	33° 59'	326° 1'	0.08539990	13.92309123

34° 0'	326° 0'	0.08548121	13.91770571	34° 40'	325° 20'	0.08876245	13.70455328	35° 20'	324° 40'	0.09209936	13.49571723
34° 1'	325° 59'	0.08556256	13.91232298	34° 41'	325° 19'	0.08884519	13.69928044	35° 21'	324° 39'	0.09218349	13.49055026
34° 2'	325° 58'	0.08564394	13.90694305	34° 42'	325° 18'	0.08892797	13.69401030	35° 22'	324° 38'	0.09226766	13.48538588
34° 3'	325° 57'	0.08572536	13.90156592	34° 43'	325° 17'	0.08901079	13.68874285	35° 23'	324° 37'	0.09235186	13.48022411
34° 4'	325° 56'	0.08580681	13.89619158	34° 44'	325° 16'	0.08909364	13.68347809	35° 24'	324° 36'	0.09243610	13.47506492
34° 5'	325° 55'	0.08588830	13.89082003	34° 45'	325° 15'	0.08917653	13.67821602	35° 25'	324° 35'	0.09252037	13.46990833
34° 6'	325° 54'	0.08596983	13.88545127	34° 46'	325° 14'	0.08925945	13.67295663	35° 26'	324° 34'	0.09260467	13.46475432
34° 7'	325° 53'	0.08605139	13.88008529	34° 47'	325° 13'	0.08934240	13.66769992	35° 27'	324° 33'	0.09268901	13.45960290
34° 8'	325° 52'	0.08613298	13.87472210	34° 48'	325° 12'	0.08942539	13.66244589	35° 28'	324° 32'	0.09277339	13.45445406
34° 9'	325° 51'	0.08621461	13.86936168	34° 49'	325° 11'	0.08950842	13.65719454	35° 29'	324° 31'	0.09285779	13.44930780
34° 10'	325° 50'	0.08629627	13.86400404	34° 50'	325° 10'	0.08959147	13.65194587	35° 30'	324° 30'	0.09294224	13.44416412
34° 11'	325° 49'	0.08637797	13.85864918	34° 51'	325° 9'	0.08967457	13.64669987	35° 31'	324° 29'	0.09302671	13.43902302
34° 12'	325° 48'	0.08645971	13.85329709	34° 52'	325° 8'	0.08975770	13.64145653	35° 32'	324° 28'	0.09311122	13.43388449
34° 13'	325° 47'	0.08654148	13.84794776	34° 53'	325° 7'	0.08984086	13.63621587	35° 33'	324° 27'	0.09319577	13.42874853
34° 14'	325° 46'	0.08662328	13.84260121	34° 54'	325° 6'	0.08992406	13.63097787	35° 34'	324° 26'	0.09328035	13.42361514
34° 15'	325° 45'	0.08670512	13.83725741	34° 55'	325° 5'	0.09000729	13.62574253	35° 35'	324° 25'	0.09336497	13.41848431
34° 16'	325° 44'	0.08678700	13.83191638	34° 56'	325° 4'	0.09009056	13.62050985	35° 36'	324° 24'	0.09344961	13.41335605
34° 17'	325° 43'	0.08686890	13.82657811	34° 57'	325° 3'	0.09017386	13.61527983	35° 37'	324° 23'	0.09353430	13.40823036
34° 18'	325° 42'	0.08695085	13.82124259	34° 58'	325° 2'	0.09025720	13.61005247	35° 38'	324° 22'	0.09361902	13.40310722
34° 19'	325° 41'	0.08703283	13.81590983	34° 59'	325° 1'	0.09034057	13.60482775	35° 39'	324° 21'	0.09370377	13.39798664
34° 20'	325° 40'	0.08711484	13.81057981	35° 0'	325° 0'	0.09042397	13.59960569	35° 40'	324° 20'	0.09378856	13.39286861
34° 21'	325° 39'	0.08719689	13.80525255	35° 1'	324° 59'	0.09050741	13.59438628	35° 41'	324° 19'	0.09387338	13.38775314
34° 22'	325° 38'	0.08727897	13.79992803	35° 2'	324° 58'	0.09059089	13.58916951	35° 42'	324° 18'	0.09395823	13.38264022
34° 23'	325° 37'	0.08736109	13.79460626	35° 3'	324° 57'	0.09067440	13.58395538	35° 43'	324° 17'	0.09404312	13.37752985
34° 24'	325° 36'	0.08744325	13.78928722	35° 4'	324° 56'	0.09075794	13.57874389	35° 44'	324° 16'	0.09412805	13.37242202
34° 25'	325° 35'	0.08752543	13.78397092	35° 5'	324° 55'	0.09084152	13.57353504	35° 45'	324° 15'	0.09421300	13.36731673
34° 26'	325° 34'	0.08760766	13.77865736	35° 6'	324° 54'	0.09092514	13.56832883	35° 46'	324° 14'	0.09429800	13.36221399
34° 27'	325° 33'	0.08768992	13.77334653	35° 7'	324° 53'	0.09100879	13.56312525	35° 47'	324° 13'	0.09438302	13.35711378
34° 28'	325° 32'	0.08777221	13.76803843	35° 8'	324° 52'	0.09109247	13.55792430	35° 48'	324° 12'	0.09446809	13.35201612
34° 29'	325° 31'	0.08785454	13.76273306	35° 9'	324° 51'	0.09117619	13.55272598	35° 49'	324° 11'	0.09455318	13.34692098
34° 30'	325° 30'	0.08793690	13.75743042	35° 10'	324° 50'	0.09125994	13.54753029	35° 50'	324° 10'	0.09463831	13.34182838
34° 31'	325° 29'	0.08801930	13.75213049	35° 11'	324° 49'	0.09134372	13.54233721	35° 51'	324° 9'	0.09472348	13.33673831
34° 32'	325° 28'	0.08810173	13.74683329	35° 12'	324° 48'	0.09142755	13.53714676	35° 52'	324° 8'	0.09480868	13.33165076
34° 33'	325° 27'	0.08818420	13.74153880	35° 13'	324° 47'	0.09151140	13.53195893	35° 53'	324° 7'	0.09489391	13.32656574
34° 34'	325° 26'	0.08826670	13.73624703	35° 14'	324° 46'	0.09159529	13.52677371	35° 54'	324° 6'	0.09497918	13.32148325
34° 35'	325° 25'	0.08834924	13.73095797	35° 15'	324° 45'	0.09167922	13.52159111	35° 55'	324° 5'	0.09506448	13.31640327
34° 36'	325° 24'	0.08843181	13.72567163	35° 16'	324° 44'	0.09176318	13.51641112	35° 56'	324° 4'	0.09514981	13.31132582
34° 37'	325° 23'	0.08851442	13.72038798	35° 17'	324° 43'	0.09184717	13.51123374	35° 57'	324° 3'	0.09523518	13.30625088
34° 38'	325° 22'	0.08859706	13.71510705	35° 18'	324° 42'	0.09193120	13.50605897	35° 58'	324° 2'	0.09532059	13.30117845
34° 39'	325° 21'	0.08867974	13.70982881	35° 19'	324° 41'	0.09201526	13.50088679	35° 59'	324° 1'	0.09540603	13.29610853

36° 0'	324° 0'	0.09549150	13.29104113	36° 40'	323° 20'	0.09893840	13.09037718	37° 20'	322° 40'	0.10243960	12.89358559
36° 1'	323° 59'	0.09557701	13.28597623	36° 41'	323° 19'	0.09902527	13.08541077	37° 21'	322° 39'	0.10252782	12.88871426
36° 2'	323° 58'	0.09566255	13.28091384	36° 42'	323° 18'	0.09911217	13.08044677	37° 22'	322° 38'	0.10261607	12.88384526
36° 3'	323° 57'	0.09574812	13.27585394	36° 43'	323° 17'	0.09919911	13.07548518	37° 23'	322° 37'	0.10270436	12.87897859
36° 4'	323° 56'	0.09583373	13.27079655	36° 44'	323° 16'	0.09928608	13.07052601	37° 24'	322° 36'	0.10279269	12.87411425
36° 5'	323° 55'	0.09591938	13.26574166	36° 45'	323° 15'	0.09937309	13.06556925	37° 25'	322° 35'	0.10288104	12.86925225
36° 6'	323° 54'	0.09600505	13.26068926	36° 46'	323° 14'	0.09946013	13.06061490	37° 26'	322° 34'	0.10296943	12.86439257
36° 7'	323° 53'	0.09609077	13.25563936	36° 47'	323° 13'	0.09954720	13.05566296	37° 27'	322° 33'	0.10305785	12.85953521
36° 8'	323° 52'	0.09617651	13.25059195	36° 48'	323° 12'	0.09963431	13.05071342	37° 28'	322° 32'	0.10314631	12.85468018
36° 9'	323° 51'	0.09626229	13.24554703	36° 49'	323° 11'	0.09972145	13.04576628	37° 29'	322° 31'	0.10323480	12.84982747
36° 10'	323° 50'	0.09634811	13.24050460	36° 50'	323° 10'	0.09980863	13.04082155	37° 30'	322° 30'	0.10332333	12.84497708
36° 11'	323° 49'	0.09643396	13.23546465	36° 51'	323° 9'	0.09989584	13.03587921	37° 31'	322° 29'	0.10341188	12.84012901
36° 12'	323° 48'	0.09651984	13.23042718	36° 52'	323° 8'	0.09998308	13.03093927	37° 32'	322° 28'	0.10350047	12.83528325
36° 13'	323° 47'	0.09660576	13.22539219	36° 53'	323° 7'	0.10007036	13.02600173	37° 33'	322° 27'	0.10358910	12.83043980
36° 14'	323° 46'	0.09669171	13.22035968	36° 54'	323° 6'	0.10015767	13.02106657	37° 34'	322° 26'	0.10367776	12.82559867
36° 15'	323° 45'	0.09677769	13.21532965	36° 55'	323° 5'	0.10024501	13.01613381	37° 35'	322° 25'	0.10376645	12.82075984
36° 16'	323° 44'	0.09686371	13.21030209	36° 56'	323° 4'	0.10033239	13.01120344	37° 36'	322° 24'	0.10385517	12.81592333
36° 17'	323° 43'	0.09694977	13.20527701	36° 57'	323° 3'	0.10041980	13.00627545	37° 37'	322° 23'	0.10394393	12.81108911
36° 18'	323° 42'	0.09703585	13.20025439	36° 58'	323° 2'	0.10050725	13.00134985	37° 38'	322° 22'	0.10403272	12.80625720
36° 19'	323° 41'	0.09712198	13.19523424	36° 59'	323° 1'	0.10059473	12.99642663	37° 39'	322° 21'	0.10412155	12.80142760
36° 20'	323° 40'	0.09720813	13.19021655	37° 0'	323° 0'	0.10068224	12.99150579	37° 40'	322° 20'	0.10421041	12.79660029
36° 21'	323° 39'	0.09729432	13.18520133	37° 1'	322° 59'	0.10076979	12.98658732	37° 41'	322° 19'	0.10429930	12.79177528
36° 22'	323° 38'	0.09738055	13.18018857	37° 2'	322° 58'	0.10085737	12.98167123	37° 42'	322° 18'	0.10438823	12.78695256
36° 23'	323° 37'	0.09746680	13.17517827	37° 3'	322° 57'	0.10094498	12.97675752	37° 43'	322° 17'	0.10447719	12.78213214
36° 24'	323° 36'	0.09755310	13.17017042	37° 4'	322° 56'	0.10103263	12.97184618	37° 44'	322° 16'	0.10456618	12.77731401
36° 25'	323° 35'	0.09763942	13.16516503	37° 5'	322° 55'	0.10112031	12.96693721	37° 45'	322° 15'	0.10465521	12.77249817
36° 26'	323° 34'	0.09772578	13.16016209	37° 6'	322° 54'	0.10120803	12.96203060	37° 46'	322° 14'	0.10474427	12.76768461
36° 27'	323° 33'	0.09781218	13.15516160	37° 7'	322° 53'	0.10129578	12.95712636	37° 47'	322° 13'	0.10483336	12.76287334
36° 28'	323° 32'	0.09789861	13.15016356	37° 8'	322° 52'	0.10138356	12.95222449	37° 48'	322° 12'	0.10492249	12.75806436
36° 29'	323° 31'	0.09798507	13.14516796	37° 9'	322° 51'	0.10147138	12.94732497	37° 49'	322° 11'	0.10501165	12.75325766
36° 30'	323° 30'	0.09807157	13.14017481	37° 10'	322° 50'	0.10155923	12.94242782	37° 50'	322° 10'	0.10510084	12.74845324
36° 31'	323° 29'	0.09815810	13.13518409	37° 11'	322° 49'	0.10164712	12.93753302	37° 51'	322° 9'	0.10519007	12.74365109
36° 32'	323° 28'	0.09824466	13.13019582	37° 12'	322° 48'	0.10173504	12.93264058	37° 52'	322° 8'	0.10527933	12.73885122
36° 33'	323° 27'	0.09833126	13.12520998	37° 13'	322° 47'	0.10182299	12.92775049	37° 53'	322° 7'	0.10536863	12.73405363
36° 34'	323° 26'	0.09841789	13.12022658	37° 14'	322° 46'	0.10191097	12.92286275	37° 54'	322° 6'	0.10545795	12.72925831
36° 35'	323° 25'	0.09850456	13.11524561	37° 15'	322° 45'	0.10199899	12.91797737	37° 55'	322° 5'	0.10554731	12.72446525
36° 36'	323° 24'	0.09859126	13.11026708	37° 16'	322° 44'	0.10208705	12.91309432	37° 56'	322° 4'	0.10563671	12.71967447
36° 37'	323° 23'	0.09867799	13.10529097	37° 17'	322° 43'	0.10217513	12.90821363	37° 57'	322° 3'	0.10572614	12.71488595
36° 38'	323° 22'	0.09876476	13.10031728	37° 18'	322° 42'	0.10226326	12.90333528	37° 58'	322° 2'	0.10581560	12.71009970
36° 39'	323° 21'	0.09885156	13.09534602	37° 19'	322° 41'	0.10235141	12.89845926	37° 59'	322° 1'	0.10590509	12.70531571

38° 0'	322° 0'	0.10599462 3	12.70053398 6	38° 40'	321° 20'	0.10960298 7	12.51109689 8	39° 20'	320° 40'	0.11326420 4	12.32515531 6
38° 1'	321° 59'	0.10608418 4	12.69575451 5	38° 41'	321° 19'	0.10969387 5	12.50640623 9	39° 21'	320° 39'	0.11335640 7	12.32055057 3
38° 2'	321° 58'	0.10617377 9	12.69097730 1	38° 42'	321° 18'	0.10978479 6	12.50171776 3	39° 22'	320° 38'	0.11344864 3	12.31594794 2
38° 3'	321° 57'	0.10626340 6	12.68620234 2	38° 43'	321° 17'	0.10987575 1	12.49703146 8	39° 23'	320° 37'	0.11354091 2	12.31134742 2
38° 4'	321° 56'	0.10635306 7	12.68142963 6	38° 44'	321° 16'	0.10996673 8	12.49234735 2	39° 24'	320° 36'	0.11363321 3	12.30674901 0
38° 5'	321° 55'	0.10644276 1	12.67665918 2	38° 45'	321° 15'	0.11005775 8	12.48766541 3	39° 25'	320° 35'	0.11372554 7	12.30215270 5
38° 6'	321° 54'	0.10653248 9	12.67189097 6	38° 46'	321° 14'	0.11014881 2	12.48298564 9	39° 26'	320° 34'	0.11381791 4	12.29755850 5
38° 7'	321° 53'	0.10662225 0	12.66712501 8	38° 47'	321° 13'	0.11023989 8	12.47830805 9	39° 27'	320° 33'	0.11391031 4	12.29296640 9
38° 8'	321° 52'	0.10671204 4	12.66236130 5	38° 48'	321° 12'	0.11033101 8	12.47363264 1	39° 28'	320° 32'	0.11400274 6	12.28837641 5
38° 9'	321° 51'	0.10680187 1	12.65759983 6	38° 49'	321° 11'	0.11042217 0	12.46895939 3	39° 29'	320° 31'	0.11409521 1	12.28378852 0
38° 10'	321° 50'	0.10689173 2	12.65284060 8	38° 50'	321° 10'	0.11051335 5	12.46428831 2	39° 30'	320° 30'	0.11418770 8	12.27920272 4
38° 11'	321° 49'	0.10698162 6	12.64808362 0	38° 51'	321° 9'	0.11060457 3	12.45961939 9	39° 31'	320° 29'	0.11428023 8	12.27461902 5
38° 12'	321° 48'	0.10707155 3	12.64332887 0	38° 52'	321° 8'	0.11069582 5	12.45495264 9	39° 32'	320° 28'	0.11437280 1	12.27003742 0
38° 13'	321° 47'	0.10716151 4	12.63857635 7	38° 53'	321° 7'	0.11078710 9	12.45028806 3	39° 33'	320° 27'	0.11446539 7	12.26545790 9
38° 14'	321° 46'	0.10725150 8	12.63382607 7	38° 54'	321° 6'	0.11087842 6	12.44562563 8	39° 34'	320° 26'	0.11455802 5	12.26088049 0
38° 15'	321° 45'	0.10734153 5	12.62907802 9	38° 55'	321° 5'	0.11096977 6	12.44096537 2	39° 35'	320° 25'	0.11465068 5	12.25630516 0
38° 16'	321° 44'	0.10743159 5	12.62433221 2	38° 56'	321° 4'	0.11106115 9	12.43630726 3	39° 36'	320° 24'	0.11474337 9	12.25173191 9
38° 17'	321° 43'	0.10752168 8	12.61958862 4	38° 57'	321° 3'	0.11115257 4	12.43165131 0	39° 37'	320° 23'	0.11483610 4	12.24716076 4
38° 18'	321° 42'	0.10761181 5	12.61484726 2	38° 58'	321° 2'	0.11124402 3	12.42699751 1	39° 38'	320° 22'	0.11492886 3	12.24259169 4
38° 19'	321° 41'	0.10770197 5	12.61010812 5	38° 59'	321° 1'	0.11133550 5	12.42234586 4	39° 39'	320° 21'	0.11502165 4	12.23802470 7
38° 20'	321° 40'	0.10779216 8	12.60537121 1	39° 0'	321° 0'	0.11142701 9	12.41769636 8	39° 40'	320° 20'	0.11511447 8	12.23345980 2
38° 21'	321° 39'	0.10788239 4	12.60063651 8	39° 1'	320° 59'	0.11151856 7	12.41304902 0	39° 41'	320° 19'	0.11520733 4	12.22889697 6
38° 22'	321° 38'	0.10797265 3	12.59590404 4	39° 2'	320° 58'	0.11161014 7	12.40840381 9	39° 42'	320° 18'	0.11530022 2	12.22433622 8
38° 23'	321° 37'	0.10806294 6	12.59117378 7	39° 3'	320° 57'	0.11170176 0	12.40376076 3	39° 43'	320° 17'	0.11539314 4	12.21977755 7
38° 24'	321° 36'	0.10815327 1	12.58644574 6	39° 4'	320° 56'	0.11179340 6	12.39911985 0	39° 44'	320° 16'	0.11548609 8	12.21522096 1
38° 25'	321° 35'	0.10824363 0	12.58171991 9	39° 5'	320° 55'	0.11188508 5	12.39448107 9	39° 45'	320° 15'	0.11557908 4	12.21066643 8
38° 26'	321° 34'	0.10833402 2	12.57699630 4	39° 6'	320° 54'	0.11197679 6	12.38984444 8	39° 46'	320° 14'	0.11567210 3	12.20611398 6
38° 27'	321° 33'	0.10842444 7	12.57227489 8	39° 7'	320° 53'	0.11206854 1	12.38520995 5	39° 47'	320° 13'	0.11576515 4	12.20156360 4
38° 28'	321° 32'	0.10851490 6	12.56755570 1	39° 8'	320° 52'	0.11216031 8	12.38057759 8	39° 48'	320° 12'	0.11585823 8	12.19701529 0
38° 29'	321° 31'	0.10860539 7	12.56283871 0	39° 9'	320° 51'	0.11225212 8	12.37594737 6	39° 49'	320° 11'	0.11595135 5	12.19246904 3
38° 30'	321° 30'	0.10869592 2	12.55812392 3	39° 10'	320° 50'	0.11234397 1	12.37131928 7	39° 50'	320° 10'	0.11604450 4	12.18792486 0
38° 31'	321° 29'	0.10878647 9	12.55341133 9	39° 11'	320° 49'	0.11243584 7	12.36669332 8	39° 51'	320° 9'	0.11613768 5	12.18338274 1
38° 32'	321° 28'	0.10887707 0	12.54870095 6	39° 12'	320° 48'	0.11252775 6	12.36206949 9	39° 52'	320° 8'	0.11623089 9	12.17884268 3
38° 33'	321° 27'	0.10896769 4	12.54399277 1	39° 13'	320° 47'	0.11261969 7	12.35744779 8	39° 53'	320° 7'	0.11632414 5	12.17430468 4
38° 34'	321° 26'	0.10905835 1	12.53928678 4	39° 14'	320° 46'	0.11271167 1	12.35282822 3	39° 54'	320° 6'	0.11641742 4	12.16976874 4
38° 35'	321° 25'	0.10914904 1	12.53458299 2	39° 15'	320° 45'	0.11280367 8	12.34821077 1	39° 55'	320° 5'	0.11651073 5	12.16523486 1
38° 36'	321° 24'	0.10923976 4	12.52988139 3	39° 16'	320° 44'	0.11289571 8	12.34359544 2	39° 56'	320° 4'	0.11660407 9	12.16070303 2
38° 37'	321° 23'	0.10933052 0	12.52518198 7	39° 17'	320° 43'	0.11298779 0	12.33898223 4	39° 57'	320° 3'	0.11669745 5	12.15617325 7
38° 38'	321° 22'	0.10942130 9	12.52048477 0	39° 18'	320° 42'	0.11307989 5	12.33437114 5	39° 58'	320° 2'	0.11679086 4	12.15164553 3
38° 39'	321° 21'	0.10951213 1	12.51578974 1	39° 19'	320° 41'	0.11317203 3	12.32976217 3	39° 59'	320° 1'	0.11688430 5	12.14711985 9

40° 0'	320° 0'	0.11697777	12.14259623	40° 40'	319° 20'	0.12074320	11.96331225	41° 20'	318° 40'	0.12455998	11.78720122
40° 1'	319° 59'	0.11707128	12.13807465	40° 41'	319° 19'	0.12083800	11.95887122	41° 21'	318° 39'	0.12465605	11.78283825
40° 2'	319° 58'	0.11716482	12.13355512	40° 42'	319° 18'	0.12093283	11.95443217	41° 22'	318° 38'	0.12475216	11.77847720
40° 3'	319° 57'	0.11725839	12.12903763	40° 43'	319° 17'	0.12102769	11.94999510	41° 23'	318° 37'	0.12484829	11.77411806
40° 4'	319° 56'	0.11735199	12.12452218	40° 44'	319° 16'	0.12112258	11.94556000	41° 24'	318° 36'	0.12494446	11.76976085
40° 5'	319° 55'	0.11744563	12.12000877	40° 45'	319° 15'	0.12121750	11.94112689	41° 25'	318° 35'	0.12504066	11.76540555
40° 6'	319° 54'	0.11753930	12.11549740	40° 46'	319° 14'	0.12131246	11.93669575	41° 26'	318° 34'	0.12513689	11.76105216
40° 7'	319° 53'	0.11763300	12.11098806	40° 47'	319° 13'	0.12140745	11.93226658	41° 27'	318° 33'	0.12523316	11.75670069
40° 8'	319° 52'	0.11772673	12.10648077	40° 48'	319° 12'	0.12150247	11.92783939	41° 28'	318° 32'	0.12532945	11.75235113
40° 9'	319° 51'	0.11782049	12.10197550	40° 49'	319° 11'	0.12159752	11.92341416	41° 29'	318° 31'	0.12542578	11.74800348
40° 10'	319° 50'	0.11791429	12.09747227	40° 50'	319° 10'	0.12169260	11.91899091	41° 30'	318° 30'	0.12552214	11.74365774
40° 11'	319° 49'	0.11800812	12.09297107	40° 51'	319° 9'	0.12178772	11.91456962	41° 31'	318° 29'	0.12561853	11.73931391
40° 12'	319° 48'	0.11810198	12.08847190	40° 52'	319° 8'	0.12188287	11.91015030	41° 32'	318° 28'	0.12571495	11.73497198
40° 13'	319° 47'	0.11819588	12.08397475	40° 53'	319° 7'	0.12197805	11.90573294	41° 33'	318° 27'	0.12581140	11.73063196
40° 14'	319° 46'	0.11828980	12.07947963	40° 54'	319° 6'	0.12207326	11.90131754	41° 34'	318° 26'	0.12590789	11.72629383
40° 15'	319° 45'	0.11838376	12.07498653	40° 55'	319° 5'	0.12216851	11.89690411	41° 35'	318° 25'	0.12600440	11.72195762
40° 16'	319° 44'	0.11847775	12.07049546	40° 56'	319° 4'	0.12226378	11.89249264	41° 36'	318° 24'	0.12610095	11.71762330
40° 17'	319° 43'	0.11857178	12.06600641	40° 57'	319° 3'	0.12235909	11.88808312	41° 37'	318° 23'	0.12619753	11.71329088
40° 18'	319° 42'	0.11866583	12.06151937	40° 58'	319° 2'	0.12245443	11.88367556	41° 38'	318° 22'	0.12629414	11.70896035
40° 19'	319° 41'	0.11875992	12.05703435	40° 59'	319° 1'	0.12254980	11.87926996	41° 39'	318° 21'	0.12639079	11.70463173
40° 20'	319° 40'	0.11885404	12.05255135	41° 0'	319° 0'	0.12264521	11.87486630	41° 40'	318° 20'	0.12648746	11.70030499
40° 21'	319° 39'	0.11894819	12.04807037	41° 1'	318° 59'	0.12274064	11.87046461	41° 41'	318° 19'	0.12658417	11.69598015
40° 22'	319° 38'	0.11904238	12.04359139	41° 2'	318° 58'	0.12283611	11.86606486	41° 42'	318° 18'	0.12668090	11.69165721
40° 23'	319° 37'	0.11913659	12.03911443	41° 3'	318° 57'	0.12293161	11.86166706	41° 43'	318° 17'	0.12677767	11.68733615
40° 24'	319° 36'	0.11923084	12.03463948	41° 4'	318° 56'	0.12302714	11.85727121	41° 44'	318° 16'	0.12687448	11.68301698
40° 25'	319° 35'	0.11932512	12.03016653	41° 5'	318° 55'	0.12312270	11.85287730	41° 45'	318° 15'	0.12697131	11.67869969
40° 26'	319° 34'	0.11941944	12.02569560	41° 6'	318° 54'	0.12321830	11.84848534	41° 46'	318° 14'	0.12706817	11.67438429
40° 27'	319° 33'	0.11951378	12.02122666	41° 7'	318° 53'	0.12331393	11.84409532	41° 47'	318° 13'	0.12716507	11.67007078
40° 28'	319° 32'	0.11960816	12.01675973	41° 8'	318° 52'	0.12340959	11.83970725	41° 48'	318° 12'	0.12726200	11.66575915
40° 29'	319° 31'	0.11970257	12.01229480	41° 9'	318° 51'	0.12350528	11.83532111	41° 49'	318° 11'	0.12735895	11.66144940
40° 30'	319° 30'	0.11979701	12.00783188	41° 10'	318° 50'	0.12360100	11.83093691	41° 50'	318° 10'	0.12745595	11.65714153
40° 31'	319° 29'	0.11989149	12.00337095	41° 11'	318° 49'	0.12369675	11.82655465	41° 51'	318° 9'	0.12755297	11.65283554
40° 32'	319° 28'	0.11998599	11.99891201	41° 12'	318° 48'	0.12379254	11.82217433	41° 52'	318° 8'	0.12765002	11.64853142
40° 33'	319° 27'	0.12008053	11.99445507	41° 13'	318° 47'	0.12388836	11.81779593	41° 53'	318° 7'	0.12774711	11.64422918
40° 34'	319° 26'	0.12017510	11.99000013	41° 14'	318° 46'	0.12398421	11.81341948	41° 54'	318° 6'	0.12784422	11.63992882
40° 35'	319° 25'	0.12026971	11.98554718	41° 15'	318° 45'	0.12408009	11.80904495	41° 55'	318° 5'	0.12794137	11.63563033
40° 36'	319° 24'	0.12036434	11.98109622	41° 16'	318° 44'	0.12417601	11.80467235	41° 56'	318° 4'	0.12803855	11.63133371
40° 37'	319° 23'	0.12045901	11.97664725	41° 17'	318° 43'	0.12427195	11.80030168	41° 57'	318° 3'	0.12813576	11.62703896
40° 38'	319° 22'	0.12055371	11.97220026	41° 18'	318° 42'	0.12436793	11.79593294	41° 58'	318° 2'	0.12823300	11.62274607
40° 39'	319° 21'	0.12064844	11.96775526	41° 19'	318° 41'	0.12446394	11.79156612	41° 59'	318° 1'	0.12833028	11.61845506

42° 0'	318° 0'	0.12842758	11.61416591	42° 40'	317° 20'	0.13234549	11.44411367	43° 20'	316° 40'	0.13631317	11.27695619
42° 1'	317° 59'	0.12852492	11.60987862	42° 41'	317° 19'	0.13244408	11.43989981	43° 21'	316° 39'	0.13641300	11.27281360
42° 2'	317° 58'	0.12862229	11.60559320	42° 42'	317° 18'	0.13254270	11.43568776	43° 22'	316° 38'	0.13651286	11.26867277
42° 3'	317° 57'	0.12871969	11.60130964	42° 43'	317° 17'	0.13264135	11.43147752	43° 23'	316° 37'	0.13661274	11.26453370
42° 4'	317° 56'	0.12881712	11.59702794	42° 44'	317° 16'	0.13274003	11.42726908	43° 24'	316° 36'	0.13671266	11.26039637
42° 5'	317° 55'	0.12891458	11.59274809	42° 45'	317° 15'	0.13283874	11.42306244	43° 25'	316° 35'	0.13681261	11.25626080
42° 6'	317° 54'	0.12901208	11.58847011	42° 46'	317° 14'	0.13293748	11.41885761	43° 26'	316° 34'	0.13691259	11.25212698
42° 7'	317° 53'	0.12910960	11.58419398	42° 47'	317° 13'	0.13303626	11.41465458	43° 27'	316° 33'	0.13701260	11.24799490
42° 8'	317° 52'	0.12920716	11.57991970	42° 48'	317° 12'	0.13313506	11.41045335	43° 28'	316° 32'	0.13711264	11.24386458
42° 9'	317° 51'	0.12930475	11.57564728	42° 49'	317° 11'	0.13323390	11.40625391	43° 29'	316° 31'	0.13721271	11.23973600
42° 10'	317° 50'	0.12940236	11.57137671	42° 50'	317° 10'	0.13333277	11.40205628	43° 30'	316° 30'	0.13731281	11.23560916
42° 11'	317° 49'	0.12950002	11.56710799	42° 51'	317° 9'	0.13343167	11.39786043	43° 31'	316° 29'	0.13741294	11.23148407
42° 12'	317° 48'	0.12959770	11.56284111	42° 52'	317° 8'	0.13353059	11.39366639	43° 32'	316° 28'	0.13751311	11.22736072
42° 13'	317° 47'	0.12969541	11.55857609	42° 53'	317° 7'	0.13362955	11.38947413	43° 33'	316° 27'	0.13761330	11.22323911
42° 14'	317° 46'	0.12979316	11.55431291	42° 54'	317° 6'	0.13372855	11.38528367	43° 34'	316° 26'	0.13771352	11.21911924
42° 15'	317° 45'	0.12989093	11.55005157	42° 55'	317° 5'	0.13382757	11.38109500	43° 35'	316° 25'	0.13781378	11.21500111
42° 16'	317° 44'	0.12998874	11.54579208	42° 56'	317° 4'	0.13392662	11.37690811	43° 36'	316° 24'	0.13791406	11.21088472
42° 17'	317° 43'	0.13008658	11.54153443	42° 57'	317° 3'	0.13402571	11.37272302	43° 37'	316° 23'	0.13801438	11.20677006
42° 18'	317° 42'	0.13018445	11.53727862	42° 58'	317° 2'	0.13412482	11.36853971	43° 38'	316° 22'	0.13811473	11.20265714
42° 19'	317° 41'	0.13028235	11.53302465	42° 59'	317° 1'	0.13422397	11.36435818	43° 39'	316° 21'	0.13821511	11.19854595
42° 20'	317° 40'	0.13038028	11.52877252	43° 0'	317° 0'	0.13432314	11.36017844	43° 40'	316° 20'	0.13831551	11.19443649
42° 21'	317° 39'	0.13047825	11.52452223	43° 1'	316° 59'	0.13442235	11.35600048	43° 41'	316° 19'	0.13841595	11.19032877
42° 22'	317° 38'	0.13057624	11.52027377	43° 2'	316° 58'	0.13452159	11.35182431	43° 42'	316° 18'	0.13851642	11.18622277
42° 23'	317° 37'	0.13067427	11.51602714	43° 3'	316° 57'	0.13462086	11.34764991	43° 43'	316° 17'	0.13861692	11.18211850
42° 24'	317° 36'	0.13077233	11.51178234	43° 4'	316° 56'	0.13472016	11.34347729	43° 44'	316° 16'	0.13871745	11.17801596
42° 25'	317° 35'	0.13087041	11.50753938	43° 5'	316° 55'	0.13481949	11.33930645	43° 45'	316° 15'	0.13881801	11.17391515
42° 26'	317° 34'	0.13096853	11.50329824	43° 6'	316° 54'	0.13491886	11.33513738	43° 46'	316° 14'	0.13891861	11.16981606
42° 27'	317° 33'	0.13106669	11.49905893	43° 7'	316° 53'	0.13501825	11.33097009	43° 47'	316° 13'	0.13901923	11.16571869
42° 28'	317° 32'	0.13116487	11.49482145	43° 8'	316° 52'	0.13511768	11.32680457	43° 48'	316° 12'	0.13911988	11.16162305
42° 29'	317° 31'	0.13126308	11.49058580	43° 9'	316° 51'	0.13521713	11.32264083	43° 49'	316° 11'	0.13922056	11.15752912
42° 30'	317° 30'	0.13136133	11.48635197	43° 10'	316° 50'	0.13531662	11.31847885	43° 50'	316° 10'	0.13932128	11.15343692
42° 31'	317° 29'	0.13145960	11.48211996	43° 11'	316° 49'	0.13541613	11.31431864	43° 51'	316° 9'	0.13942202	11.14934644
42° 32'	317° 28'	0.13155791	11.47788977	43° 12'	316° 48'	0.13551568	11.31016020	43° 52'	316° 8'	0.13952280	11.14525767
42° 33'	317° 27'	0.13165625	11.47366140	43° 13'	316° 47'	0.13561526	11.30600353	43° 53'	316° 7'	0.13962360	11.14117061
42° 34'	317° 26'	0.13175462	11.46943485	43° 14'	316° 46'	0.13571487	11.30184863	43° 54'	316° 6'	0.13972444	11.13708528
42° 35'	317° 25'	0.13185302	11.46521012	43° 15'	316° 45'	0.13581451	11.29769548	43° 55'	316° 5'	0.13982531	11.13300165
42° 36'	317° 24'	0.13195145	11.46098721	43° 16'	316° 44'	0.13591418	11.29354410	43° 56'	316° 4'	0.13992620	11.12891974
42° 37'	317° 23'	0.13204992	11.45676610	43° 17'	316° 43'	0.13601388	11.28939449	43° 57'	316° 3'	0.14002713	11.12483954
42° 38'	317° 22'	0.13214841	11.45254681	43° 18'	316° 42'	0.13611362	11.28524663	43° 58'	316° 2'	0.14012809	11.12076105
42° 39'	317° 21'	0.13224693	11.44832934	43° 19'	316° 41'	0.13621338	11.28110053	43° 59'	316° 1'	0.14022908	11.11668427

44° 0'	316° 0'	0.14033010	11.11260919	44° 40'	315° 20'	0.14439571	10.95099222	45° 20'	314° 40'	0.14850947	10.79202841
44° 1'	315° 59'	0.14043114	11.10853582	44° 41'	315° 19'	0.14449797	10.94698611	45° 21'	314° 39'	0.14861292	10.78808766
44° 2'	315° 58'	0.14053222	11.10446416	44° 42'	315° 18'	0.14460026	10.94298164	45° 22'	314° 38'	0.14871641	10.78414853
44° 3'	315° 57'	0.14063333	11.10039420	44° 43'	315° 17'	0.14470258	10.93897884	45° 23'	314° 37'	0.14881992	10.78021101
44° 4'	315° 56'	0.14073447	11.09632594	44° 44'	315° 16'	0.14480493	10.93497769	45° 24'	314° 36'	0.14892347	10.77627509
44° 5'	315° 55'	0.14083565	11.09225938	44° 45'	315° 15'	0.14490731	10.93097819	45° 25'	314° 35'	0.14902704	10.77234078
44° 6'	315° 54'	0.14093685	11.08819453	44° 46'	315° 14'	0.14500972	10.92698035	45° 26'	314° 34'	0.14913065	10.76840808
44° 7'	315° 53'	0.14103808	11.08413137	44° 47'	315° 13'	0.14511216	10.92298415	45° 27'	314° 33'	0.14923428	10.76447699
44° 8'	315° 52'	0.14113934	11.08006991	44° 48'	315° 12'	0.14521463	10.91898961	45° 28'	314° 32'	0.14933795	10.76054750
44° 9'	315° 51'	0.14124063	11.07601014	44° 49'	315° 11'	0.14531713	10.91499671	45° 29'	314° 31'	0.14944164	10.75661961
44° 10'	315° 50'	0.14134196	11.07195207	44° 50'	315° 10'	0.14541966	10.91100546	45° 30'	314° 30'	0.14954536	10.75269332
44° 11'	315° 49'	0.14144331	11.06789570	44° 51'	315° 9'	0.14552222	10.90701586	45° 31'	314° 29'	0.14964912	10.74876864
44° 12'	315° 48'	0.14154469	11.06384101	44° 52'	315° 8'	0.14562481	10.90302791	45° 32'	314° 28'	0.14975290	10.74484555
44° 13'	315° 47'	0.14164611	11.05978802	44° 53'	315° 7'	0.14572743	10.89904159	45° 33'	314° 27'	0.14985671	10.74092407
44° 14'	315° 46'	0.14174755	11.05573672	44° 54'	315° 6'	0.14583008	10.89505692	45° 34'	314° 26'	0.14996055	10.73700418
44° 15'	315° 45'	0.14184902	11.05168711	44° 55'	315° 5'	0.14593276	10.89107390	45° 35'	314° 25'	0.15006442	10.73308589
44° 16'	315° 44'	0.14195053	11.04763918	44° 56'	315° 4'	0.14603547	10.88709251	45° 36'	314° 24'	0.15016833	10.72916919
44° 17'	315° 43'	0.14205206	11.04359295	44° 57'	315° 3'	0.14613821	10.88311276	45° 37'	314° 23'	0.15027226	10.72525409
44° 18'	315° 42'	0.14215363	11.03954839	44° 58'	315° 2'	0.14624098	10.87913465	45° 38'	314° 22'	0.15037622	10.72134058
44° 19'	315° 41'	0.14225522	11.03550553	44° 59'	315° 1'	0.14634378	10.87515818	45° 39'	314° 21'	0.15048021	10.71742866
44° 20'	315° 40'	0.14235685	11.03146434	45° 0'	315° 0'	0.14644660	10.87118334	45° 40'	314° 20'	0.15058423	10.71351833
44° 21'	315° 39'	0.14245851	11.02742484	45° 1'	314° 59'	0.14654946	10.86721014	45° 41'	314° 19'	0.15068827	10.70960960
44° 22'	315° 38'	0.14256019	11.02338701	45° 2'	314° 58'	0.14665235	10.86323857	45° 42'	314° 18'	0.15079235	10.70570245
44° 23'	315° 37'	0.14266191	11.01935087	45° 3'	314° 57'	0.14675527	10.85926864	45° 43'	314° 17'	0.15089646	10.70179689
44° 24'	315° 36'	0.14276366	11.01531641	45° 4'	314° 56'	0.14685822	10.85530033	45° 44'	314° 16'	0.15100060	10.69789292
44° 25'	315° 35'	0.14286543	11.01128362	45° 5'	314° 55'	0.14696120	10.85133366	45° 45'	314° 15'	0.15110477	10.69399053
44° 26'	315° 34'	0.14296724	11.00725250	45° 6'	314° 54'	0.14706421	10.84736861	45° 46'	314° 14'	0.15120896	10.69008973
44° 27'	315° 33'	0.14306908	11.00322307	45° 7'	314° 53'	0.14716725	10.84340520	45° 47'	314° 13'	0.15131319	10.68619051
44° 28'	315° 32'	0.14317095	10.99919530	45° 8'	314° 52'	0.14727032	10.83944341	45° 48'	314° 12'	0.15141744	10.68229287
44° 29'	315° 31'	0.14327284	10.99516921	45° 9'	314° 51'	0.14737342	10.83548324	45° 49'	314° 11'	0.15152173	10.67839681
44° 30'	315° 30'	0.14337477	10.99114479	45° 10'	314° 50'	0.14747654	10.83152470	45° 50'	314° 10'	0.15162604	10.67450234
44° 31'	315° 29'	0.14347673	10.98712204	45° 11'	314° 49'	0.14757970	10.82756779	45° 51'	314° 9'	0.15173039	10.67060944
44° 32'	315° 28'	0.14357872	10.98310095	45° 12'	314° 48'	0.14768289	10.82361249	45° 52'	314° 8'	0.15183476	10.66671812
44° 33'	315° 27'	0.14368074	10.97908154	45° 13'	314° 47'	0.14778611	10.81965882	45° 53'	314° 7'	0.15193916	10.66282838
44° 34'	315° 26'	0.14378278	10.97506379	45° 14'	314° 46'	0.14788936	10.81570677	45° 54'	314° 6'	0.15204360	10.65894021
44° 35'	315° 25'	0.14388486	10.97104771	45° 15'	314° 45'	0.14799263	10.81175633	45° 55'	314° 5'	0.15214806	10.65505362
44° 36'	315° 24'	0.14398697	10.96703329	45° 16'	314° 44'	0.14809594	10.80780752	45° 56'	314° 4'	0.15225255	10.65116860
44° 37'	315° 23'	0.14408911	10.96302053	45° 17'	314° 43'	0.14819928	10.80386032	45° 57'	314° 3'	0.15235707	10.64728515
44° 38'	315° 22'	0.14419128	10.95900943	45° 18'	314° 42'	0.14830264	10.79991473	45° 58'	314° 2'	0.15246162	10.64340328
44° 39'	315° 21'	0.14429348	10.95500000	45° 19'	314° 41'	0.14840604	10.79597076	45° 59'	314° 1'	0.15256620	10.63952297



46° 0'	314° 0'	0.15267081	10.63564424	46° 40'	313° 20'	0.15687918	10.48176940	47° 20'	312° 40'	0.16113400	10.33033657
46° 1'	313° 59'	0.15277545	10.63176707	46° 41'	313° 19'	0.15698498	10.47795409	47° 21'	312° 39'	0.16124096	10.32658147
46° 2'	313° 58'	0.15288012	10.62789147	46° 42'	313° 18'	0.15709082	10.47414031	47° 22'	312° 38'	0.16134795	10.32282786
46° 3'	313° 57'	0.15298481	10.62401744	46° 43'	313° 17'	0.15719668	10.47032805	47° 23'	312° 37'	0.16145496	10.31907574
46° 4'	313° 56'	0.15308954	10.62014497	46° 44'	313° 16'	0.15730258	10.46651731	47° 24'	312° 36'	0.16156201	10.31532509
46° 5'	313° 55'	0.15319430	10.61627406	46° 45'	313° 15'	0.15740850	10.46270810	47° 25'	312° 35'	0.16166909	10.31157593
46° 6'	313° 54'	0.15329908	10.61240472	46° 46'	313° 14'	0.15751445	10.45890041	47° 26'	312° 34'	0.16177619	10.30782825
46° 7'	313° 53'	0.15340390	10.60853694	46° 47'	313° 13'	0.15762043	10.45509423	47° 27'	312° 33'	0.16188332	10.30408205
46° 8'	313° 52'	0.15350874	10.60467072	46° 48'	313° 12'	0.15772644	10.45128958	47° 28'	312° 32'	0.16199048	10.30033732
46° 9'	313° 51'	0.15361361	10.60080606	46° 49'	313° 11'	0.15783248	10.44748644	47° 29'	312° 31'	0.16209767	10.29659408
46° 10'	313° 50'	0.15371852	10.59694296	46° 50'	313° 10'	0.15793855	10.44368482	47° 30'	312° 30'	0.16220489	10.29285231
46° 11'	313° 49'	0.15382345	10.59308142	46° 51'	313° 9'	0.15804465	10.43988472	47° 31'	312° 29'	0.16231214	10.28911202
46° 12'	313° 48'	0.15392841	10.58922143	46° 52'	313° 8'	0.15815077	10.43608613	47° 32'	312° 28'	0.16241941	10.28537320
46° 13'	313° 47'	0.15403340	10.58536300	46° 53'	313° 7'	0.15825693	10.43228905	47° 33'	312° 27'	0.16252672	10.28163586
46° 14'	313° 46'	0.15413842	10.58150612	46° 54'	313° 6'	0.15836311	10.42849349	47° 34'	312° 26'	0.16263405	10.27789999
46° 15'	313° 45'	0.15424347	10.57765079	46° 55'	313° 5'	0.15846932	10.42469944	47° 35'	312° 25'	0.16274141	10.27416559
46° 16'	313° 44'	0.15434855	10.57379702	46° 56'	313° 4'	0.15857556	10.42090690	47° 36'	312° 24'	0.16284880	10.27043266
46° 17'	313° 43'	0.15445365	10.56994480	46° 57'	313° 3'	0.15868183	10.41711587	47° 37'	312° 23'	0.16295622	10.26670121
46° 18'	313° 42'	0.15455879	10.56609413	46° 58'	313° 2'	0.15878813	10.41332635	47° 38'	312° 22'	0.16306367	10.26297122
46° 19'	313° 41'	0.15466396	10.56224500	46° 59'	313° 1'	0.15889446	10.40953834	47° 39'	312° 21'	0.16317114	10.25924270
46° 20'	313° 40'	0.15476915	10.55839743	47° 0'	313° 0'	0.15900082	10.40575183	47° 40'	312° 20'	0.16327865	10.25551565
46° 21'	313° 39'	0.15487438	10.55455140	47° 1'	312° 59'	0.15910720	10.40196683	47° 41'	312° 19'	0.16338618	10.25179006
46° 22'	313° 38'	0.15497963	10.55070692	47° 2'	312° 58'	0.15921362	10.39818333	47° 42'	312° 18'	0.16349374	10.24806594
46° 23'	313° 37'	0.15508491	10.54686398	47° 3'	312° 57'	0.15932006	10.39440134	47° 43'	312° 17'	0.16360133	10.24434329
46° 24'	313° 36'	0.15519022	10.54302259	47° 4'	312° 56'	0.15942653	10.39062085	47° 44'	312° 16'	0.16370895	10.24062210
46° 25'	313° 35'	0.15529556	10.53918274	47° 5'	312° 55'	0.15953303	10.38684186	47° 45'	312° 15'	0.16381659	10.23690237
46° 26'	313° 34'	0.15540094	10.53534443	47° 6'	312° 54'	0.15963956	10.38306438	47° 46'	312° 14'	0.16392427	10.23318410
46° 27'	313° 33'	0.15550633	10.53150766	47° 7'	312° 53'	0.15974612	10.37928839	47° 47'	312° 13'	0.16403197	10.22946729
46° 28'	313° 32'	0.15561176	10.52767244	47° 8'	312° 52'	0.15985271	10.37551390	47° 48'	312° 12'	0.16413970	10.22575194
46° 29'	313° 31'	0.15571722	10.52383875	47° 9'	312° 51'	0.15995932	10.37174091	47° 49'	312° 11'	0.16424746	10.22203805
46° 30'	313° 30'	0.15582271	10.52000659	47° 10'	312° 50'	0.16006597	10.36796941	47° 50'	312° 10'	0.16435525	10.21832562
46° 31'	313° 29'	0.15592822	10.51617598	47° 11'	312° 49'	0.16017264	10.36419942	47° 51'	312° 9'	0.16446307	10.21461464
46° 32'	313° 28'	0.15603377	10.51234690	47° 12'	312° 48'	0.16027934	10.36043091	47° 52'	312° 8'	0.16457091	10.21090512
46° 33'	313° 27'	0.15613934	10.50851935	47° 13'	312° 47'	0.16038607	10.35666390	47° 53'	312° 7'	0.16467878	10.20719706
46° 34'	313° 26'	0.15624495	10.50469334	47° 14'	312° 46'	0.16049283	10.35289838	47° 54'	312° 6'	0.16478669	10.20349045
46° 35'	313° 25'	0.15635058	10.50086886	47° 15'	312° 45'	0.16059962	10.34913436	47° 55'	312° 5'	0.16489462	10.19978529
46° 36'	313° 24'	0.15645624	10.49704591	47° 16'	312° 44'	0.16070644	10.34537182	47° 56'	312° 4'	0.16500257	10.19608158
46° 37'	313° 23'	0.15656193	10.49322449	47° 17'	312° 43'	0.16081329	10.34161078	47° 57'	312° 3'	0.16511056	10.19237933
46° 38'	313° 22'	0.15666765	10.48940460	47° 18'	312° 42'	0.16092016	10.33785122	47° 58'	312° 2'	0.16521858	10.18867852
46° 39'	313° 21'	0.15677340	10.48558624	47° 19'	312° 41'	0.16102706	10.33409315	47° 59'	312° 1'	0.16532662	10.18497917

48° 0'	312° 0'	0.16543469	10.18128126	48° 40'	311° 20'	0.16978068	10.03454165	49° 20'	310° 40'	0.17417138	9.890058471
48° 1'	311° 59'	0.16554279	10.17758480	48° 41'	311° 19'	0.16988991	10.03090231	49° 21'	310° 39'	0.17428172	9.886474805
48° 2'	311° 58'	0.16565092	10.17388978	48° 42'	311° 18'	0.16999916	10.02726438	49° 22'	310° 38'	0.17439208	9.882892513
48° 3'	311° 57'	0.16575908	10.17019621	48° 43'	311° 17'	0.17010844	10.02362786	49° 23'	310° 37'	0.17450247	9.879311593
48° 4'	311° 56'	0.16586726	10.16650409	48° 44'	311° 16'	0.17021775	10.01999275	49° 24'	310° 36'	0.17461289	9.875732046
48° 5'	311° 55'	0.16597548	10.16281341	48° 45'	311° 15'	0.17032709	10.01635904	49° 25'	310° 35'	0.17472333	9.872153869
48° 6'	311° 54'	0.16608372	10.15912417	48° 46'	311° 14'	0.17043645	10.01272674	49° 26'	310° 34'	0.17483380	9.868577063
48° 7'	311° 53'	0.16619199	10.15543637	48° 47'	311° 13'	0.17054585	10.00909585	49° 27'	310° 33'	0.17494431	9.865001626
48° 8'	311° 52'	0.16630029	10.15175001	48° 48'	311° 12'	0.17065527	10.00546635	49° 28'	310° 32'	0.17505483	9.861427558
48° 9'	311° 51'	0.16640861	10.14806510	48° 49'	311° 11'	0.17076471	10.00183826	49° 29'	310° 31'	0.17516539	9.857854857
48° 10'	311° 50'	0.16651697	10.14438162	48° 50'	311° 10'	0.17087419	9.998211582	49° 30'	310° 30'	0.17527597	9.854283524
48° 11'	311° 49'	0.16662535	10.14069958	48° 51'	311° 9'	0.17098369	9.994586295	49° 31'	310° 29'	0.17538658	9.850713556
48° 12'	311° 48'	0.16673376	10.13701897	48° 52'	311° 8'	0.17109323	9.990962409	49° 32'	310° 28'	0.17549722	9.847144953
48° 13'	311° 47'	0.16684220	10.13333980	48° 53'	311° 7'	0.17120279	9.987339922	49° 33'	310° 27'	0.17560788	9.843577714
48° 14'	311° 46'	0.16695067	10.12966207	48° 54'	311° 6'	0.17131237	9.983718834	49° 34'	310° 26'	0.17571858	9.840011839
48° 15'	311° 45'	0.16705916	10.12598577	48° 55'	311° 5'	0.17142199	9.980099143	49° 35'	310° 25'	0.17582930	9.836447326
48° 16'	311° 44'	0.16716769	10.12231091	48° 56'	311° 4'	0.17153163	9.976480849	49° 36'	310° 24'	0.17594004	9.832884175
48° 17'	311° 43'	0.16727624	10.11863747	48° 57'	311° 3'	0.17164130	9.972863950	49° 37'	310° 23'	0.17605082	9.829322385
48° 18'	311° 42'	0.16738482	10.11496547	48° 58'	311° 2'	0.17175100	9.969248447	49° 38'	310° 22'	0.17616162	9.825761954
48° 19'	311° 41'	0.16749343	10.11129490	48° 59'	311° 1'	0.17186073	9.965634337	49° 39'	310° 21'	0.17627245	9.822202883
48° 20'	311° 40'	0.16760206	10.10762575	49° 0'	311° 0'	0.17197048	9.962021620	49° 40'	310° 20'	0.17638331	9.818645170
48° 21'	311° 39'	0.16771073	10.10395804	49° 1'	310° 59'	0.17208026	9.958410296	49° 41'	310° 19'	0.17649419	9.815088814
48° 22'	311° 38'	0.16781942	10.10029175	49° 2'	310° 58'	0.17219007	9.954800363	49° 42'	310° 18'	0.17660511	9.811533815
48° 23'	311° 37'	0.16792814	10.09662689	49° 3'	310° 57'	0.17229991	9.951191820	49° 43'	310° 17'	0.17671605	9.807980171
48° 24'	311° 36'	0.16803689	10.09296346	49° 4'	310° 56'	0.17240978	9.947584667	49° 44'	310° 16'	0.17682701	9.804427882
48° 25'	311° 35'	0.16814567	10.08930145	49° 5'	310° 55'	0.17251967	9.943978902	49° 45'	310° 15'	0.17693801	9.800876947
48° 26'	311° 34'	0.16825447	10.08564086	49° 6'	310° 54'	0.17262959	9.940374526	49° 46'	310° 14'	0.17704903	9.797327365
48° 27'	311° 33'	0.16836330	10.08198170	49° 7'	310° 53'	0.17273954	9.936771536	49° 47'	310° 13'	0.17716008	9.793779136
48° 28'	311° 32'	0.16847217	10.07832396	49° 8'	310° 52'	0.17284951	9.933169932	49° 48'	310° 12'	0.17727115	9.790232257
48° 29'	311° 31'	0.16858105	10.07466764	49° 9'	310° 51'	0.17295952	9.929569713	49° 49'	310° 11'	0.17738225	9.786686730
48° 30'	311° 30'	0.16868997	10.07101274	49° 10'	310° 50'	0.17306955	9.925970878	49° 50'	310° 10'	0.17749339	9.783142552
48° 31'	311° 29'	0.16879892	10.06735926	49° 11'	310° 49'	0.17317961	9.922373427	49° 51'	310° 9'	0.17760454	9.779599723
48° 32'	311° 28'	0.16890789	10.06370720	49° 12'	310° 48'	0.17328969	9.918777358	49° 52'	310° 8'	0.17771573	9.776058242
48° 33'	311° 27'	0.16901689	10.06005655	49° 13'	310° 47'	0.17339981	9.915182671	49° 53'	310° 7'	0.17782694	9.772518108
48° 34'	311° 26'	0.16912592	10.05640732	49° 14'	310° 46'	0.17350995	9.911589364	49° 54'	310° 6'	0.17793818	9.768979320
48° 35'	311° 25'	0.16923498	10.05275951	49° 15'	310° 45'	0.17362012	9.907997438	49° 55'	310° 5'	0.17804945	9.765441878
48° 36'	311° 24'	0.16934406	10.04911311	49° 16'	310° 44'	0.17373032	9.904406890	49° 56'	310° 4'	0.17816074	9.761905781
48° 37'	311° 23'	0.16945318	10.04546813	49° 17'	310° 43'	0.17384054	9.900817720	49° 57'	310° 3'	0.17827206	9.758371027
48° 38'	311° 22'	0.16956232	10.04182456	49° 18'	310° 42'	0.17395079	9.897229928	49° 58'	310° 2'	0.17838341	9.754837617
48° 39'	311° 21'	0.16967149	10.03818240	49° 19'	310° 41'	0.17406107	9.893643512	49° 59'	310° 1'	0.17849479	9.751305548

50° 0'	310° 0'	0.17860619 5	9.747774821	50° 40'	309° 20'	0.18308451 6	9.607636086	51° 20'	308° 40'	0.18760574 3	9.469589796
50° 1'	309° 59'	0.17871762 5	9.744245434	50° 41'	309° 19'	0.18319702 7	9.604159642	51° 21'	308° 39'	0.18771931 8	9.466165008
50° 2'	309° 58'	0.17882908 3	9.740717387	50° 42'	309° 18'	0.18330956 4	9.600684504	51° 22'	308° 38'	0.18783291 9	9.462741495
50° 3'	309° 57'	0.17894056 7	9.737190679	50° 43'	309° 17'	0.18342212 8	9.597210672	51° 23'	308° 37'	0.18794654 7	9.459319257
50° 4'	309° 56'	0.17905207 9	9.733665309	50° 44'	309° 16'	0.18353471 8	9.593738145	51° 24'	308° 36'	0.18806020 2	9.455898293
50° 5'	309° 55'	0.17916361 8	9.730141276	50° 45'	309° 15'	0.18364733 6	9.590266923	51° 25'	308° 35'	0.18817388 2	9.452478602
50° 6'	309° 54'	0.17927518 4	9.726618579	50° 46'	309° 14'	0.18375998 0	9.586797004	51° 26'	308° 34'	0.18828759 0	9.449060183
50° 7'	309° 53'	0.17938677 7	9.723097217	50° 47'	309° 13'	0.18387265 1	9.583328389	51° 27'	308° 33'	0.18840132 3	9.445643036
50° 8'	309° 52'	0.17949839 8	9.719577190	50° 48'	309° 12'	0.18398534 9	9.579861075	51° 28'	308° 32'	0.18851508 3	9.442227159
50° 9'	309° 51'	0.17961004 5	9.716058497	50° 49'	309° 11'	0.18409807 3	9.576395063	51° 29'	308° 31'	0.18862886 9	9.438812552
50° 10'	309° 50'	0.17972172 0	9.712541137	50° 50'	309° 10'	0.18421082 4	9.572930351	51° 30'	308° 30'	0.18874268 2	9.435399215
50° 11'	309° 49'	0.17983342 1	9.709025109	50° 51'	309° 9'	0.18432360 2	9.569466939	51° 31'	308° 29'	0.18885652 1	9.431987146
50° 12'	309° 48'	0.17994515 0	9.705510413	50° 52'	309° 8'	0.18443640 7	9.566004826	51° 32'	308° 28'	0.18897038 6	9.428576345
50° 13'	309° 47'	0.18005690 6	9.701997047	50° 53'	309° 7'	0.18454923 8	9.562544011	51° 33'	308° 27'	0.18908427 7	9.425166811
50° 14'	309° 46'	0.18016868 9	9.698485010	50° 54'	309° 6'	0.18466209 6	9.559084493	51° 34'	308° 26'	0.18919819 5	9.421758543
50° 15'	309° 45'	0.18028049 9	9.694974302	50° 55'	309° 5'	0.18477498 1	9.555626271	51° 35'	308° 25'	0.18931213 9	9.418351540
50° 16'	309° 44'	0.18039233 6	9.691464923	50° 56'	309° 4'	0.18488789 2	9.552169346	51° 36'	308° 24'	0.18942611 0	9.414945802
50° 17'	309° 43'	0.18050420 0	9.687956870	50° 57'	309° 3'	0.18500083 0	9.548713715	51° 37'	308° 23'	0.18954010 7	9.411541328
50° 18'	309° 42'	0.18061609 1	9.684450144	50° 58'	309° 2'	0.18511379 5	9.545259378	51° 38'	308° 22'	0.18965413 0	9.408138117
50° 19'	309° 41'	0.18072800 9	9.680944744	50° 59'	309° 1'	0.18522678 6	9.541806335	51° 39'	308° 21'	0.18976817 9	9.404736168
50° 20'	309° 40'	0.18083995 5	9.677440668	51° 0'	309° 0'	0.18533980 4	9.538354584	51° 40'	308° 20'	0.18988225 4	9.401335481
50° 21'	309° 39'	0.18095192 7	9.673937916	51° 1'	308° 59'	0.18545284 9	9.534904125	51° 41'	308° 19'	0.18999635 6	9.397936055
50° 22'	309° 38'	0.18106392 6	9.670436487	51° 2'	308° 58'	0.18556592 0	9.531454957	51° 42'	308° 18'	0.19011048 4	9.394537889
50° 23'	309° 37'	0.18117595 2	9.666936381	51° 3'	308° 57'	0.18567901 8	9.528007079	51° 43'	308° 17'	0.19022463 8	9.391140982
50° 24'	309° 36'	0.18128800 5	9.663437595	51° 4'	308° 56'	0.18579214 3	9.524560491	51° 44'	308° 16'	0.19033881 9	9.387745334
50° 25'	309° 35'	0.18140008 5	9.659940131	51° 5'	308° 55'	0.18590529 4	9.521115191	51° 45'	308° 15'	0.19045302 5	9.384350944
50° 26'	309° 34'	0.18151219 2	9.656443986	51° 6'	308° 54'	0.18601847 1	9.517671179	51° 46'	308° 14'	0.19056725 8	9.380957811
50° 27'	309° 33'	0.18162432 6	9.652949161	51° 7'	308° 53'	0.18613167 5	9.514228454	51° 47'	308° 13'	0.19068151 7	9.377565934
50° 28'	309° 32'	0.18173648 7	9.649455653	51° 8'	308° 52'	0.18624490 6	9.510787016	51° 48'	308° 12'	0.19079580 2	9.374175313
50° 29'	309° 31'	0.18184867 5	9.645963463	51° 9'	308° 51'	0.18635816 3	9.507346862	51° 49'	308° 11'	0.19091011 4	9.370785946
50° 30'	309° 30'	0.18196089 0	9.642472589	51° 10'	308° 50'	0.18647144 7	9.503907994	51° 50'	308° 10'	0.19102445 1	9.367397834
50° 31'	309° 29'	0.18207313 2	9.638983032	51° 11'	308° 49'	0.18658475 7	9.500470409	51° 51'	308° 9'	0.19113881 5	9.364010975
50° 32'	309° 28'	0.18218540 0	9.635494789	51° 12'	308° 48'	0.18669809 4	9.497034108	51° 52'	308° 8'	0.19125320 5	9.360625368
50° 33'	309° 27'	0.18229769 6	9.632007860	51° 13'	308° 47'	0.18681145 8	9.493599089	51° 53'	308° 7'	0.19136762 0	9.357241014
50° 34'	309° 26'	0.18241001 8	9.628522245	51° 14'	308° 46'	0.18692484 8	9.490165351	51° 54'	308° 6'	0.19148206 2	9.353857910
50° 35'	309° 25'	0.18252236 7	9.625037942	51° 15'	308° 45'	0.18703826 4	9.486732895	51° 55'	308° 5'	0.19159653 1	9.350476057
50° 36'	309° 24'	0.18263474 3	9.621554950	51° 16'	308° 44'	0.18715170 7	9.483301718	51° 56'	308° 4'	0.19171102 5	9.347095453
50° 37'	309° 23'	0.18274714 6	9.618073270	51° 17'	308° 43'	0.18726517 6	9.479871821	51° 57'	308° 3'	0.19182554 5	9.343716098
50° 38'	309° 22'	0.18285957 6	9.614592900	51° 18'	308° 42'	0.18737867 2	9.476443202	51° 58'	308° 2'	0.19194009 1	9.340337991
50° 39'	309° 21'	0.18297203 3	9.611113839	51° 19'	308° 41'	0.18749219 4	9.473015861	51° 59'	308° 1'	0.19205466 4	9.336961132

52° 0'	308° 0'	0.19216926 2	9.333585519	52° 40'	307° 20'	0.19677445 7	9.199574758	53° 20'	306° 40'	0.20142070 4	9.067510854
52° 1'	307° 59'	0.19228388 7	9.330211152	52° 41'	307° 19'	0.19689011 6	9.196249624	53° 21'	306° 39'	0.20153738 1	9.064233809
52° 2'	307° 58'	0.19239853 7	9.326838030	52° 42'	307° 18'	0.19700580 0	9.192925705	53° 22'	306° 38'	0.20165408 3	9.060957951
52° 3'	307° 57'	0.19251321 4	9.323466153	52° 43'	307° 17'	0.19712151 0	9.189603002	53° 23'	306° 37'	0.20177081 0	9.057683281
52° 4'	307° 56'	0.19262791 7	9.320095519	52° 44'	307° 16'	0.19723724 5	9.186281514	53° 24'	306° 36'	0.20188756 3	9.054409797
52° 5'	307° 55'	0.19274264 5	9.316726128	52° 45'	307° 15'	0.19735300 6	9.182961239	53° 25'	306° 35'	0.20200434 0	9.051137499
52° 6'	307° 54'	0.19285740 0	9.313357979	52° 46'	307° 14'	0.19746879 3	9.179642177	53° 26'	306° 34'	0.20212114 3	9.047866387
52° 7'	307° 53'	0.19297218 1	9.309991071	52° 47'	307° 13'	0.19758460 5	9.176324328	53° 27'	306° 33'	0.20223797 1	9.044596459
52° 8'	307° 52'	0.19308698 7	9.306625405	52° 48'	307° 12'	0.19770044 3	9.173007691	53° 28'	306° 32'	0.20235482 4	9.041327714
52° 9'	307° 51'	0.19320182 0	9.303260978	52° 49'	307° 11'	0.19781630 6	9.169692264	53° 29'	306° 31'	0.20247170 3	9.038060153
52° 10'	307° 50'	0.19331667 8	9.299897790	52° 50'	307° 10'	0.19793219 5	9.166378048	53° 30'	306° 30'	0.20258860 7	9.034793774
52° 11'	307° 49'	0.19343156 3	9.296535841	52° 51'	307° 9'	0.19804810 9	9.163065041	53° 31'	306° 29'	0.20270553 5	9.031528577
52° 12'	307° 48'	0.19354647 3	9.293175129	52° 52'	307° 8'	0.19816404 9	9.159753243	53° 32'	306° 28'	0.20282248 9	9.028264562
52° 13'	307° 47'	0.19366141 0	9.289815655	52° 53'	307° 7'	0.19828001 5	9.156442654	53° 33'	306° 27'	0.20293946 9	9.025001726
52° 14'	307° 46'	0.19377637 2	9.286457417	52° 54'	307° 6'	0.19839600 6	9.153133272	53° 34'	306° 26'	0.20305647 3	9.021740070
52° 15'	307° 45'	0.19389136 0	9.283100414	52° 55'	307° 5'	0.19851202 3	9.149825096	53° 35'	306° 25'	0.20317350 2	9.018479594
52° 16'	307° 44'	0.19400637 4	9.279744646	52° 56'	307° 4'	0.19862806 5	9.146518127	53° 36'	306° 24'	0.20329055 7	9.015220296
52° 17'	307° 43'	0.19412141 4	9.276390112	52° 57'	307° 3'	0.19874413 3	9.143212363	53° 37'	306° 23'	0.20340763 6	9.011962175
52° 18'	307° 42'	0.19423648 0	9.273036811	52° 58'	307° 2'	0.19886022 6	9.139907804	53° 38'	306° 22'	0.20352474 1	9.008705231
52° 19'	307° 41'	0.19435157 2	9.269684743	52° 59'	307° 1'	0.19897634 4	9.136604448	53° 39'	306° 21'	0.20364187 1	9.005449464
52° 20'	307° 40'	0.19446668 9	9.266333907	53° 0'	307° 0'	0.19909248 8	9.133302296	53° 40'	306° 20'	0.20375902 6	9.002194873
52° 21'	307° 39'	0.19458183 3	9.262984302	53° 1'	306° 59'	0.19920865 8	9.130001346	53° 41'	306° 19'	0.20387620 6	8.998941456
52° 22'	307° 38'	0.19469700 2	9.259635928	53° 2'	306° 58'	0.19932485 3	9.126701598	53° 42'	306° 18'	0.20399341 1	8.995689214
52° 23'	307° 37'	0.19481219 7	9.256288783	53° 3'	306° 57'	0.19944107 3	9.123403052	53° 43'	306° 17'	0.20411064 1	8.992438145
52° 24'	307° 36'	0.19492741 8	9.252942867	53° 4'	306° 56'	0.19955731 9	9.120105705	53° 44'	306° 16'	0.20422789 6	8.989188250
52° 25'	307° 35'	0.19504266 5	9.249598179	53° 5'	306° 55'	0.19967359 1	9.116809559	53° 45'	306° 15'	0.20434517 6	8.985939526
52° 26'	307° 34'	0.19515793 7	9.246254719	53° 6'	306° 54'	0.19978988 7	9.113514611	53° 46'	306° 14'	0.20446248 1	8.982691974
52° 27'	307° 33'	0.19527323 6	9.242912485	53° 7'	306° 53'	0.19990620 9	9.110220862	53° 47'	306° 13'	0.20457981 1	8.979445594
52° 28'	307° 32'	0.19538856 0	9.239571478	53° 8'	306° 52'	0.20002255 7	9.106928311	53° 48'	306° 12'	0.20469716 6	8.976200383
52° 29'	307° 31'	0.19550391 0	9.236231696	53° 9'	306° 51'	0.20013893 0	9.103636956	53° 49'	306° 11'	0.20481454 6	8.972956342
52° 30'	307° 30'	0.19561928 5	9.232893138	53° 10'	306° 50'	0.20025532 8	9.100346798	53° 50'	306° 10'	0.20493195 1	8.969713470
52° 31'	307° 29'	0.19573468 7	9.229555805	53° 11'	306° 49'	0.20037175 2	9.097057835	53° 51'	306° 9'	0.20504938 1	8.966471767
52° 32'	307° 28'	0.19585011 4	9.226219694	53° 12'	306° 48'	0.20048820 1	9.093770067	53° 52'	306° 8'	0.20516683 6	8.963231230
52° 33'	307° 27'	0.19596556 7	9.222884806	53° 13'	306° 47'	0.20060467 5	9.090483493	53° 53'	306° 7'	0.20528431 6	8.959991861
52° 34'	307° 26'	0.19608104 6	9.219551140	53° 14'	306° 46'	0.20072117 5	9.087198112	53° 54'	306° 6'	0.20540182 1	8.956753658
52° 35'	307° 25'	0.19619655 0	9.216218695	53° 15'	306° 45'	0.20083770 0	9.083913925	53° 55'	306° 5'	0.20551935 1	8.953516621
52° 36'	307° 24'	0.19631208 0	9.212887470	53° 16'	306° 44'	0.20095425 0	9.080630929	53° 56'	306° 4'	0.20563690 6	8.950280749
52° 37'	307° 23'	0.19642763 6	9.209557464	53° 17'	306° 43'	0.20107082 6	9.077349125	53° 57'	306° 3'	0.20575448 6	8.947046040
52° 38'	307° 22'	0.19654321 7	9.206228678	53° 18'	306° 42'	0.20118742 7	9.074068512	53° 58'	306° 2'	0.20587209 0	8.943812496
52° 39'	307° 21'	0.19665882 5	9.202901109	53° 19'	306° 41'	0.20130405 3	9.070789088	53° 59'	306° 1'	0.20598972 0	8.940580114

54° 0'	306° 0'	0.20610737 4	8.937348895	54° 40'	305° 20'	0.21083383 2	8.809045628	55° 20'	304° 40'	0.21559943 8	8.682559382
54° 1'	305° 59'	0.20622505 3	8.934118837	54° 41'	305° 19'	0.21095249 8	8.805861497	55° 21'	304° 39'	0.21571907 5	8.679420156
54° 2'	305° 58'	0.20634275 7	8.930889940	54° 42'	305° 18'	0.21107118 8	8.802678501	55° 22'	304° 38'	0.21583873 5	8.676282040
54° 3'	305° 57'	0.20646048 6	8.927662204	54° 43'	305° 17'	0.21118990 2	8.799496640	55° 23'	304° 37'	0.21595841 9	8.673145033
54° 4'	305° 56'	0.20657824 0	8.924435627	54° 44'	305° 16'	0.21130864 1	8.796315912	55° 24'	304° 36'	0.21607812 7	8.670009135
54° 5'	305° 55'	0.20669601 8	8.921210209	54° 45'	305° 15'	0.21142740 5	8.793136317	55° 25'	304° 35'	0.21619786 0	8.666874345
54° 6'	305° 54'	0.20681382 2	8.917985949	54° 46'	305° 14'	0.21154619 3	8.789957854	55° 26'	304° 34'	0.21631761 6	8.663740662
54° 7'	305° 53'	0.20693165 0	8.914762847	54° 47'	305° 13'	0.21166500 5	8.786780523	55° 27'	304° 33'	0.21643739 7	8.660608086
54° 8'	305° 52'	0.20704950 3	8.911540902	54° 48'	305° 12'	0.21178384 2	8.783604324	55° 28'	304° 32'	0.21655720 1	8.657476616
54° 9'	305° 51'	0.20716738 1	8.908320113	54° 49'	305° 11'	0.21190270 3	8.780429254	55° 29'	304° 31'	0.21667702 9	8.654346251
54° 10'	305° 50'	0.20728528 3	8.905100480	54° 50'	305° 10'	0.21202158 8	8.777255315	55° 30'	304° 30'	0.21679688 2	8.651216992
54° 11'	305° 49'	0.20740321 0	8.901882002	54° 51'	305° 9'	0.21214049 8	8.774082505	55° 31'	304° 29'	0.21691675 8	8.648088836
54° 12'	305° 48'	0.20752116 3	8.898664678	54° 52'	305° 8'	0.21225943 3	8.770910823	55° 32'	304° 28'	0.21703665 8	8.644961785
54° 13'	305° 47'	0.20763913 9	8.895448508	54° 53'	305° 7'	0.21237839 1	8.767740269	55° 33'	304° 27'	0.21715658 2	8.641835836
54° 14'	305° 46'	0.20775714 1	8.892233491	54° 54'	305° 6'	0.21249737 4	8.764570843	55° 34'	304° 26'	0.21727653 0	8.638710991
54° 15'	305° 45'	0.20787516 7	8.889019626	54° 55'	305° 5'	0.21261638 1	8.761402543	55° 35'	304° 25'	0.21739650 2	8.635587247
54° 16'	305° 44'	0.20799321 8	8.885806913	54° 56'	305° 4'	0.21273541 3	8.758235369	55° 36'	304° 24'	0.21751649 8	8.632464604
54° 17'	305° 43'	0.20811129 4	8.882595351	54° 57'	305° 3'	0.21285446 9	8.755069321	55° 37'	304° 23'	0.21763651 8	8.629343062
54° 18'	305° 42'	0.20822939 4	8.879384940	54° 58'	305° 2'	0.21297354 9	8.751904398	55° 38'	304° 22'	0.21775656 2	8.626222620
54° 19'	305° 41'	0.20834751 9	8.876175678	54° 59'	305° 1'	0.21309265 3	8.748740598	55° 39'	304° 21'	0.21787662 9	8.623103277
54° 20'	305° 40'	0.20846566 9	8.872967565	55° 0'	305° 0'	0.21321178 2	8.745577922	55° 40'	304° 20'	0.21799672 1	8.619985034
54° 21'	305° 39'	0.20858384 4	8.869760601	55° 1'	304° 59'	0.21333093 5	8.742416369	55° 41'	304° 19'	0.21811683 6	8.616867888
54° 22'	305° 38'	0.20870204 3	8.866554785	55° 2'	304° 58'	0.21345011 2	8.739255939	55° 42'	304° 18'	0.21823697 6	8.613751841
54° 23'	305° 37'	0.20882026 7	8.863350116	55° 3'	304° 57'	0.21356931 3	8.736096630	55° 43'	304° 17'	0.21835713 9	8.610636890
54° 24'	305° 36'	0.20893851 5	8.860146593	55° 4'	304° 56'	0.21368853 9	8.732938442	55° 44'	304° 16'	0.21847732 5	8.607523036
54° 25'	305° 35'	0.20905678 8	8.856944216	55° 5'	304° 55'	0.21380778 9	8.729781374	55° 45'	304° 15'	0.21859753 6	8.604410277
54° 26'	305° 34'	0.20917508 6	8.853742985	55° 6'	304° 54'	0.21392706 3	8.726625426	55° 46'	304° 14'	0.21871777 1	8.601298614
54° 27'	305° 33'	0.20929340 8	8.850542898	55° 7'	304° 53'	0.21404636 2	8.723470597	55° 47'	304° 13'	0.21883802 9	8.598188045
54° 28'	305° 32'	0.20941175 5	8.847343954	55° 8'	304° 52'	0.21416568 4	8.720316887	55° 48'	304° 12'	0.21895831 1	8.595078571
54° 29'	305° 31'	0.20953012 6	8.844146155	55° 9'	304° 51'	0.21428503 1	8.717164295	55° 49'	304° 11'	0.21907861 7	8.591970190
54° 30'	305° 30'	0.20964852 2	8.840949497	55° 10'	304° 50'	0.21440440 2	8.714012820	55° 50'	304° 10'	0.21919894 7	8.588862901
54° 31'	305° 29'	0.20976694 3	8.837753982	55° 11'	304° 49'	0.21452379 7	8.710862461	55° 51'	304° 9'	0.21931930 0	8.585756705
54° 32'	305° 28'	0.20988538 8	8.834559608	55° 12'	304° 48'	0.21464321 6	8.707713219	55° 52'	304° 8'	0.21943967 7	8.582651601
54° 33'	305° 27'	0.21000385 8	8.831366375	55° 13'	304° 47'	0.21476266 0	8.704565092	55° 53'	304° 7'	0.21956007 8	8.579547587
54° 34'	305° 26'	0.21012235 2	8.828174282	55° 14'	304° 46'	0.21488212 7	8.701418080	55° 54'	304° 6'	0.21968050 3	8.576444664
54° 35'	305° 25'	0.21024087 1	8.824983328	55° 15'	304° 45'	0.21500161 9	8.698272182	55° 55'	304° 5'	0.21980095 1	8.573342831
54° 36'	305° 24'	0.21035941 4	8.821793513	55° 16'	304° 44'	0.21512113 4	8.695127397	55° 56'	304° 4'	0.21992142 3	8.570242087
54° 37'	305° 23'	0.21047798 2	8.818604836	55° 17'	304° 43'	0.21524067 4	8.691983726	55° 57'	304° 3'	0.22004191 9	8.567142432
54° 38'	305° 22'	0.21059657 4	8.815417297	55° 18'	304° 42'	0.21536023 8	8.688841166	55° 58'	304° 2'	0.22016243 8	8.564043864
54° 39'	305° 21'	0.21071519 1	8.812230894	55° 19'	304° 41'	0.21547982 6	8.685699719	55° 59'	304° 1'	0.22028298 1	8.560946385

56° 0'	304° 0'	0.22040354 8	8.557849992	56° 40'	303° 20'	0.22524551 1	8.434878722	57° 20'	302° 40'	0.23012467 1	8.313608209
56° 1'	303° 59'	0.22052413 9	8.554754685	56° 41'	303° 19'	0.22536703 9	8.431826384	57° 21'	302° 39'	0.23024712 1	8.310597923
56° 2'	303° 58'	0.22064475 3	8.551660464	56° 42'	303° 18'	0.22548859 1	8.428775109	57° 22'	302° 38'	0.23036959 4	8.307588676
56° 3'	303° 57'	0.22076539 1	8.548567328	56° 43'	303° 17'	0.22561016 6	8.425724895	57° 23'	302° 37'	0.23049208 9	8.304580469
56° 4'	303° 56'	0.22088605 2	8.545475276	56° 44'	303° 16'	0.22573176 4	8.422675742	57° 24'	302° 36'	0.23061460 7	8.301573300
56° 5'	303° 55'	0.22100673 7	8.542384309	56° 45'	303° 15'	0.22585338 5	8.419627650	57° 25'	302° 35'	0.23073714 9	8.298567169
56° 6'	303° 54'	0.22112744 6	8.539294424	56° 46'	303° 14'	0.22597503 0	8.416580618	57° 26'	302° 34'	0.23085971 3	8.295562077
56° 7'	303° 53'	0.22124817 8	8.536205623	56° 47'	303° 13'	0.22609669 7	8.413534645	57° 27'	302° 33'	0.23098229 9	8.292558021
56° 8'	303° 52'	0.22136893 3	8.533117903	56° 48'	303° 12'	0.22621838 8	8.410489732	57° 28'	302° 32'	0.23110490 9	8.289555001
56° 9'	303° 51'	0.22148971 3	8.530031265	56° 49'	303° 11'	0.22634010 2	8.407445876	57° 29'	302° 31'	0.23122754 1	8.286553018
56° 10'	303° 50'	0.22161051 6	8.526945708	56° 50'	303° 10'	0.22646183 9	8.404403079	57° 30'	302° 30'	0.23135019 6	8.283552070
56° 11'	303° 49'	0.22173134 2	8.523861231	56° 51'	303° 9'	0.22658360 0	8.401361338	57° 31'	302° 29'	0.23147287 4	8.280552157
56° 12'	303° 48'	0.22185219 2	8.520777834	56° 52'	303° 8'	0.22670538 3	8.398320655	57° 32'	302° 28'	0.23159557 4	8.277553278
56° 13'	303° 47'	0.22197306 6	8.517695516	56° 53'	303° 7'	0.22682719 0	8.395281027	57° 33'	302° 27'	0.23171829 7	8.274555433
56° 14'	303° 46'	0.22209396 3	8.514614277	56° 54'	303° 6'	0.22694901 9	8.392242455	57° 34'	302° 26'	0.23184104 3	8.271558621
56° 15'	303° 45'	0.22221488 3	8.511534116	56° 55'	303° 5'	0.22707087 2	8.389204937	57° 35'	302° 25'	0.23196381 1	8.268562842
56° 16'	303° 44'	0.22233582 8	8.508455032	56° 56'	303° 4'	0.22719274 8	8.386168474	57° 36'	302° 24'	0.23208660 3	8.265568095
56° 17'	303° 43'	0.22245679 5	8.505377025	56° 57'	303° 3'	0.22731464 7	8.383133065	57° 37'	302° 23'	0.23220941 6	8.262574379
56° 18'	303° 42'	0.22257778 6	8.502300094	56° 58'	303° 2'	0.22743656 9	8.380098709	57° 38'	302° 22'	0.23233225 3	8.259581695
56° 19'	303° 41'	0.22269880 1	8.499224239	56° 59'	303° 1'	0.22755851 4	8.377065406	57° 39'	302° 21'	0.23245511 2	8.256590041
56° 20'	303° 40'	0.22281983 9	8.496149458	57° 0'	303° 0'	0.22768048 2	8.374033155	57° 40'	302° 20'	0.23257799 4	8.253599417
56° 21'	303° 39'	0.22294090 0	8.493075753	57° 1'	302° 59'	0.22780247 4	8.371001955	57° 41'	302° 19'	0.23270089 8	8.250609822
56° 22'	303° 38'	0.22306198 5	8.490003121	57° 2'	302° 58'	0.22792448 8	8.367971807	57° 42'	302° 18'	0.23282382 5	8.247621257
56° 23'	303° 37'	0.22318309 4	8.486931563	57° 3'	302° 57'	0.22804652 5	8.364942709	57° 43'	302° 17'	0.23294677 5	8.244633719
56° 24'	303° 36'	0.22330422 5	8.483861077	57° 4'	302° 56'	0.22816858 5	8.361914660	57° 44'	302° 16'	0.23306974 7	8.241647209
56° 25'	303° 35'	0.22342538 1	8.480791663	57° 5'	302° 55'	0.22829066 9	8.358887661	57° 45'	302° 15'	0.23319274 2	8.238661727
56° 26'	303° 34'	0.22354655 9	8.477723321	57° 6'	302° 54'	0.22841277 5	8.355861711	57° 46'	302° 14'	0.23331575 9	8.235677271
56° 27'	303° 33'	0.22366776 1	8.474656050	57° 7'	302° 53'	0.22853490 4	8.352836809	57° 47'	302° 13'	0.23343879 9	8.232693841
56° 28'	303° 32'	0.22378898 7	8.471589849	57° 8'	302° 52'	0.22865705 6	8.349812954	57° 48'	302° 12'	0.23356186 2	8.229711437
56° 29'	303° 31'	0.22391023 5	8.468524719	57° 9'	302° 51'	0.22877923 2	8.346790147	57° 49'	302° 11'	0.23368494 7	8.226730058
56° 30'	303° 30'	0.22403150 7	8.465460657	57° 10'	302° 50'	0.22890143 0	8.343768385	57° 50'	302° 10'	0.23380805 5	8.223749704
56° 31'	303° 29'	0.22415280 3	8.462397664	57° 11'	302° 49'	0.22902365 1	8.340747670	57° 51'	302° 9'	0.23393118 5	8.220770373
56° 32'	303° 28'	0.22427412 2	8.459335739	57° 12'	302° 48'	0.22914589 5	8.337728001	57° 52'	302° 8'	0.23405433 7	8.217792066
56° 33'	303° 27'	0.22439546 4	8.456274882	57° 13'	302° 47'	0.22926816 2	8.334709376	57° 53'	302° 7'	0.23417751 3	8.214814782
56° 34'	303° 26'	0.22451682 9	8.453215092	57° 14'	302° 46'	0.22939045 2	8.331691795	57° 54'	302° 6'	0.23430071 0	8.211838520
56° 35'	303° 25'	0.22463821 8	8.450156368	57° 15'	302° 45'	0.22951276 4	8.328675258	57° 55'	302° 5'	0.23442393 0	8.208863280
56° 36'	303° 24'	0.22475963 0	8.447098709	57° 16'	302° 44'	0.22963510 0	8.325659764	57° 56'	302° 4'	0.23454717 3	8.205889062
56° 37'	303° 23'	0.22488106 5	8.444042116	57° 17'	302° 43'	0.22975745 8	8.322645313	57° 57'	302° 3'	0.23467043 8	8.202915864
56° 38'	303° 22'	0.22500252 4	8.440986588	57° 18'	302° 42'	0.22987984 0	8.319631904	57° 58'	302° 2'	0.23479372 6	8.199943686
56° 39'	303° 21'	0.22512400 6	8.437932123	57° 19'	302° 41'	0.23000224 4	8.316619536	57° 59'	302° 1'	0.23491703 6	8.196972528

58° 0'	302° 0'	0.23504036 8	8.194002389	58° 40'	301° 20'	0.23999193 6	8.076026444	59° 20'	300° 40'	0.24497870 5	7.959646743
58° 1'	301° 59'	0.23516372 3	8.191033269	58° 41'	301° 19'	0.24011617 9	8.073097634	59° 21'	300° 39'	0.24510382 0	7.956757419
58° 2'	301° 58'	0.23528710 0	8.188065166	58° 42'	301° 18'	0.24024044 4	8.070169822	59° 22'	300° 38'	0.24522895 6	7.953869072
58° 3'	301° 57'	0.23541050 0	8.185098082	58° 43'	301° 17'	0.24036473 1	8.067243007	59° 23'	300° 37'	0.24535411 3	7.950981701
58° 4'	301° 56'	0.23553392 2	8.182132014	58° 44'	301° 16'	0.24048904 0	8.064317187	59° 24'	300° 36'	0.24547929 2	7.948095306
58° 5'	301° 55'	0.23565736 6	8.179166963	58° 45'	301° 15'	0.24061337 1	8.061392363	59° 25'	300° 35'	0.24560449 3	7.945209886
58° 6'	301° 54'	0.23578083 3	8.176202928	58° 46'	301° 14'	0.24073772 4	8.058468535	59° 26'	300° 34'	0.24572971 5	7.942325441
58° 7'	301° 53'	0.23590432 2	8.173239908	58° 47'	301° 13'	0.24086209 9	8.055545700	59° 27'	300° 33'	0.24585495 9	7.939441970
58° 8'	301° 52'	0.23602783 3	8.170277903	58° 48'	301° 12'	0.24098649 5	8.052623860	59° 28'	300° 32'	0.24598022 4	7.936559473
58° 9'	301° 51'	0.23615136 7	8.167316912	58° 49'	301° 11'	0.24111091 4	8.049703013	59° 29'	300° 31'	0.24610551 0	7.933677949
58° 10'	301° 50'	0.23627492 3	8.164356935	58° 50'	301° 10'	0.24123535 5	8.046783159	59° 30'	300° 30'	0.24623081 9	7.930797399
58° 11'	301° 49'	0.23639850 2	8.161397972	58° 51'	301° 9'	0.24135981 7	8.043864297	59° 31'	300° 29'	0.24635614 8	7.927917820
58° 12'	301° 48'	0.23652210 2	8.158440021	58° 52'	301° 8'	0.24148430 1	8.040946428	59° 32'	300° 28'	0.24648149 9	7.925039213
58° 13'	301° 47'	0.23664572 5	8.155483083	58° 53'	301° 7'	0.24160880 7	8.038029550	59° 33'	300° 27'	0.24660687 2	7.922161578
58° 14'	301° 46'	0.23676937 1	8.152527156	58° 54'	301° 6'	0.24173333 6	8.035113662	59° 34'	300° 26'	0.24673226 6	7.919284914
58° 15'	301° 45'	0.23689303 8	8.149572240	58° 55'	301° 5'	0.24185788 5	8.032198765	59° 35'	300° 25'	0.24685768 1	7.916409219
58° 16'	301° 44'	0.23701672 8	8.146618335	58° 56'	301° 4'	0.24198245 7	8.029284859	59° 36'	300° 24'	0.24698311 8	7.913534495
58° 17'	301° 43'	0.23714044 0	8.143665440	58° 57'	301° 3'	0.24210705 1	8.026371941	59° 37'	300° 23'	0.24710857 6	7.910660740
58° 18'	301° 42'	0.23726417 4	8.140713555	58° 58'	301° 2'	0.24223166 6	8.023460012	59° 38'	300° 22'	0.24723405 6	7.907787954
58° 19'	301° 41'	0.23738793 1	8.137762679	58° 59'	301° 1'	0.24235630 4	8.020549072	59° 39'	300° 21'	0.24735955 7	7.904916136
58° 20'	301° 40'	0.23751171 0	8.134812811	59° 0'	301° 0'	0.24248096 3	8.017639120	59° 40'	300° 20'	0.24748507 9	7.902045286
58° 21'	301° 39'	0.23763551 1	8.131863951	59° 1'	300° 59'	0.24260564 3	8.014730155	59° 41'	300° 19'	0.24761062 3	7.899175404
58° 22'	301° 38'	0.23775933 4	8.128916099	59° 2'	300° 58'	0.24273034 6	8.011822176	59° 42'	300° 18'	0.24773618 8	7.896306488
58° 23'	301° 37'	0.23788317 9	8.125969254	59° 3'	300° 57'	0.24285507 0	8.008915184	59° 43'	300° 17'	0.24786177 5	7.893438539
58° 24'	301° 36'	0.23800704 7	8.123023415	59° 4'	300° 56'	0.24297981 6	8.006009178	59° 44'	300° 16'	0.24798738 2	7.890571556
58° 25'	301° 35'	0.23813093 7	8.120078582	59° 5'	300° 55'	0.24310458 4	8.003104158	59° 45'	300° 15'	0.24811301 1	7.887705538
58° 26'	301° 34'	0.23825484 9	8.117134755	59° 6'	300° 54'	0.24322937 4	8.000200122	59° 46'	300° 14'	0.24823866 2	7.884840485
58° 27'	301° 33'	0.23837878 3	8.114191932	59° 7'	300° 53'	0.24335418 5	7.997297070	59° 47'	300° 13'	0.24836433 4	7.881976397
58° 28'	301° 32'	0.23850273 9	8.111250114	59° 8'	300° 52'	0.24347901 8	7.994395002	59° 48'	300° 12'	0.24849002 7	7.879113272
58° 29'	301° 31'	0.23862671 7	8.108309299	59° 9'	300° 51'	0.24360387 3	7.991493918	59° 49'	300° 11'	0.24861574 1	7.876251111
58° 30'	301° 30'	0.23875071 8	8.105369488	59° 10'	300° 50'	0.24372875 0	7.988593816	59° 50'	300° 10'	0.24874147 7	7.873389914
58° 31'	301° 29'	0.23887474 0	8.102430680	59° 11'	300° 49'	0.24385364 8	7.985694697	59° 51'	300° 9'	0.24886723 3	7.870529678
58° 32'	301° 28'	0.23899878 5	8.099492874	59° 12'	300° 48'	0.24397856 8	7.982796559	59° 52'	300° 8'	0.24899301 2	7.867670405
58° 33'	301° 27'	0.23912285 2	8.096556069	59° 13'	300° 47'	0.24410350 9	7.979899403	59° 53'	300° 7'	0.24911881 1	7.864812093
58° 34'	301° 26'	0.23924694 0	8.093620266	59° 14'	300° 46'	0.24422847 2	7.977003227	59° 54'	300° 6'	0.24924463 1	7.861954742
58° 35'	301° 25'	0.23937105 1	8.090685464	59° 15'	300° 45'	0.24435345 7	7.974108032	59° 55'	300° 5'	0.24937047 3	7.859098351
58° 36'	301° 24'	0.23949518 4	8.087751661	59° 16'	300° 44'	0.24447846 3	7.971213817	59° 56'	300° 4'	0.24949633 6	7.856242921
58° 37'	301° 23'	0.23961933 9	8.084818859	59° 17'	300° 43'	0.24460349 1	7.968320581	59° 57'	300° 3'	0.24962222 0	7.853388451
58° 38'	301° 22'	0.23974351 6	8.081887055	59° 18'	300° 42'	0.24472854 1	7.965428323	59° 58'	300° 2'	0.24974812 6	7.850534939
58° 39'	301° 21'	0.23986771 5	8.078956250	59° 19'	300° 41'	0.24485361 2	7.962537044	59° 59'	300° 1'	0.24987405 2	7.847682386

60° 0'	300° 0'	0.25000000	7.844830791	60° 40'	299° 20'	0.25505514	7.731547179	61° 20'	298° 40'	0.26014344	7.619765532
60° 1'	299° 59'	0.25012596	7.841980154	60° 41'	299° 19'	0.25518194	7.728734457	61° 21'	298° 39'	0.26027107	7.616989979
60° 2'	299° 58'	0.25025195	7.839130474	60° 42'	299° 18'	0.25530877	7.725922673	61° 22'	298° 38'	0.26039871	7.614215345
60° 3'	299° 57'	0.25037797	7.836281751	60° 43'	299° 17'	0.25543562	7.723111827	61° 23'	298° 37'	0.26052638	7.611441631
60° 4'	299° 56'	0.25050400	7.833433984	60° 44'	299° 16'	0.25556249	7.720301918	61° 24'	298° 36'	0.26065407	7.608668836
60° 5'	299° 55'	0.25063005	7.830587173	60° 45'	299° 15'	0.25568937	7.717492946	61° 25'	298° 35'	0.26078177	7.605896960
60° 6'	299° 54'	0.25075613	7.827741317	60° 46'	299° 14'	0.25581628	7.714684910	61° 26'	298° 34'	0.26090950	7.603126001
60° 7'	299° 53'	0.25088222	7.824896415	60° 47'	299° 13'	0.25594321	7.711877811	61° 27'	298° 33'	0.26103725	7.600355960
60° 8'	299° 52'	0.25100834	7.822052468	60° 48'	299° 12'	0.25607017	7.709071646	61° 28'	298° 32'	0.26116502	7.597586837
60° 9'	299° 51'	0.25113448	7.819209475	60° 49'	299° 11'	0.25619714	7.706266417	61° 29'	298° 31'	0.26129281	7.594818630
60° 10'	299° 50'	0.25126063	7.816367435	60° 50'	299° 10'	0.25632413	7.703462122	61° 30'	298° 30'	0.26142062	7.592051339
60° 11'	299° 49'	0.25138681	7.813526348	60° 51'	299° 9'	0.25645114	7.700658761	61° 31'	298° 29'	0.26154844	7.589284964
60° 12'	299° 48'	0.25151301	7.810686214	60° 52'	299° 8'	0.25657818	7.697856334	61° 32'	298° 28'	0.26167629	7.586519504
60° 13'	299° 47'	0.25163924	7.807847031	60° 53'	299° 7'	0.25670523	7.695054840	61° 33'	298° 27'	0.26180416	7.583754960
60° 14'	299° 46'	0.25176548	7.805008799	60° 54'	299° 6'	0.25683231	7.692254278	61° 34'	298° 26'	0.26193205	7.580991330
60° 15'	299° 45'	0.25189174	7.802171519	60° 55'	299° 5'	0.25695940	7.689454649	61° 35'	298° 25'	0.26205996	7.578228613
60° 16'	299° 44'	0.25201803	7.799335189	60° 56'	299° 4'	0.25708652	7.686655951	61° 36'	298° 24'	0.26218789	7.575466811
60° 17'	299° 43'	0.25214433	7.796499809	60° 57'	299° 3'	0.25721365	7.683858185	61° 37'	298° 23'	0.26231584	7.572705921
60° 18'	299° 42'	0.25227066	7.793665379	60° 58'	299° 2'	0.25734081	7.681061349	61° 38'	298° 22'	0.26244381	7.569945945
60° 19'	299° 41'	0.25239701	7.790831897	60° 59'	299° 1'	0.25746799	7.678265444	61° 39'	298° 21'	0.26257180	7.567186880
60° 20'	299° 40'	0.25252338	7.787999365	61° 0'	299° 0'	0.25759519	7.675470469	61° 40'	298° 20'	0.26269981	7.564428728
60° 21'	299° 39'	0.25264977	7.785167780	61° 1'	298° 59'	0.25772240	7.672676423	61° 41'	298° 19'	0.26282784	7.561671486
60° 22'	299° 38'	0.25277618	7.782337143	61° 2'	298° 58'	0.25784964	7.669883306	61° 42'	298° 18'	0.26295589	7.558915156
60° 23'	299° 37'	0.25290261	7.779507453	61° 3'	298° 57'	0.25797690	7.667091117	61° 43'	298° 17'	0.26308396	7.556159736
60° 24'	299° 36'	0.25302906	7.776678710	61° 4'	298° 56'	0.25810418	7.664299857	61° 44'	298° 16'	0.26321205	7.553405226
60° 25'	299° 35'	0.25315554	7.773850912	61° 5'	298° 55'	0.25823148	7.661509524	61° 45'	298° 15'	0.26334016	7.550651626
60° 26'	299° 34'	0.25328203	7.771024061	61° 6'	298° 54'	0.25835880	7.658720118	61° 46'	298° 14'	0.26346829	7.547898935
60° 27'	299° 33'	0.25340854	7.768198155	61° 7'	298° 53'	0.25848615	7.655931639	61° 47'	298° 13'	0.26359644	7.545147152
60° 28'	299° 32'	0.25353508	7.765373194	61° 8'	298° 52'	0.25861351	7.653144087	61° 48'	298° 12'	0.26372461	7.542396278
60° 29'	299° 31'	0.25366164	7.762549177	61° 9'	298° 51'	0.25874089	7.650357460	61° 49'	298° 11'	0.26385280	7.539646312
60° 30'	299° 30'	0.25378822	7.759726103	61° 10'	298° 50'	0.25886829	7.647571758	61° 50'	298° 10'	0.26398101	7.536897253
60° 31'	299° 29'	0.25391481	7.756903973	61° 11'	298° 49'	0.25899572	7.644786981	61° 51'	298° 9'	0.26410924	7.534149101
60° 32'	299° 28'	0.25404143	7.754082787	61° 12'	298° 48'	0.25912316	7.642003128	61° 52'	298° 8'	0.26423749	7.531401855
60° 33'	299° 27'	0.25416807	7.751262542	61° 13'	298° 47'	0.25925062	7.639220200	61° 53'	298° 7'	0.26436576	7.528655516
60° 34'	299° 26'	0.25429473	7.748443239	61° 14'	298° 46'	0.25937811	7.636438195	61° 54'	298° 6'	0.26449405	7.525910082
60° 35'	299° 25'	0.25442142	7.745624878	61° 15'	298° 45'	0.25950561	7.633657113	61° 55'	298° 5'	0.26462237	7.523165553
60° 36'	299° 24'	0.25454812	7.742807458	61° 16'	298° 44'	0.25963314	7.630876953	61° 56'	298° 4'	0.26475070	7.520421930
60° 37'	299° 23'	0.25467484	7.739990979	61° 17'	298° 43'	0.25976068	7.628097716	61° 57'	298° 3'	0.26487904	7.517679210
60° 38'	299° 22'	0.25480159	7.737175439	61° 18'	298° 42'	0.25988825	7.625319400	61° 58'	298° 2'	0.26500741	7.514937394
60° 39'	299° 21'	0.25492835	7.734360839	61° 19'	298° 41'	0.26001583	7.622542006	61° 59'	298° 1'	0.26513580	7.512196482



62° 0'	298° 0'	0.26526421 9	7.509456472	62° 40'	297° 20'	0.27041677 3	7.400591570	63° 20'	296° 40'	0.27560041 0	7.293143306
62° 1'	297° 59'	0.26539264 8	7.506717366	62° 41'	297° 19'	0.27054598 8	7.397888211	63° 21'	296° 39'	0.27573039 3	7.290475017
62° 2'	297° 58'	0.26552109 7	7.503979161	62° 42'	297° 18'	0.27067522 3	7.395185736	63° 22'	296° 38'	0.27586039 5	7.287807598
62° 3'	297° 57'	0.26564956 7	7.501241858	62° 43'	297° 17'	0.27080447 7	7.392484147	63° 23'	296° 37'	0.27599041 6	7.285141046
62° 4'	297° 56'	0.26577805 5	7.498505456	62° 44'	297° 16'	0.27093375 0	7.389783441	63° 24'	296° 36'	0.27612045 6	7.282475361
62° 5'	297° 55'	0.26590656 4	7.495769955	62° 45'	297° 15'	0.27106304 2	7.387083619	63° 25'	296° 35'	0.27625051 5	7.279810544
62° 6'	297° 54'	0.26603509 3	7.493035355	62° 46'	297° 14'	0.27119235 4	7.384384680	63° 26'	296° 34'	0.27638059 3	7.277146593
62° 7'	297° 53'	0.26616364 1	7.490301654	62° 47'	297° 13'	0.27132168 6	7.381686624	63° 27'	296° 33'	0.27651069 0	7.274483508
62° 8'	297° 52'	0.26629220 9	7.487568853	62° 48'	297° 12'	0.27145103 6	7.378989451	63° 28'	296° 32'	0.27664080 5	7.271821290
62° 9'	297° 51'	0.26642079 7	7.484836951	62° 49'	297° 11'	0.27158040 7	7.376293159	63° 29'	296° 31'	0.27677094 0	7.269159936
62° 10'	297° 50'	0.26654940 5	7.482105947	62° 50'	297° 10'	0.27170979 6	7.373597749	63° 30'	296° 30'	0.27690109 3	7.266499448
62° 11'	297° 49'	0.26667803 3	7.479375842	62° 51'	297° 9'	0.27183920 5	7.370903221	63° 31'	296° 29'	0.27703126 6	7.263839824
62° 12'	297° 48'	0.26680668 0	7.476646635	62° 52'	297° 8'	0.27196863 3	7.368209573	63° 32'	296° 28'	0.27716145 7	7.261181065
62° 13'	297° 47'	0.26693534 7	7.473918324	62° 53'	297° 7'	0.27209808 0	7.365516805	63° 33'	296° 27'	0.27729166 7	7.258523169
62° 14'	297° 46'	0.26706403 3	7.471190911	62° 54'	297° 6'	0.27222754 6	7.362824917	63° 34'	296° 26'	0.27742189 6	7.255866137
62° 15'	297° 45'	0.26719274 0	7.468464394	62° 55'	297° 5'	0.27235703 2	7.360133908	63° 35'	296° 25'	0.27755214 4	7.253209968
62° 16'	297° 44'	0.26732146 6	7.465738774	62° 56'	297° 4'	0.27248653 7	7.357443779	63° 36'	296° 24'	0.27768241 0	7.250554661
62° 17'	297° 43'	0.26745021 2	7.463014048	62° 57'	297° 3'	0.27261606 2	7.354754528	63° 37'	296° 23'	0.27781269 6	7.247900217
62° 18'	297° 42'	0.26757897 7	7.460290218	62° 58'	297° 2'	0.27274560 5	7.352066156	63° 38'	296° 22'	0.27794300 0	7.245246634
62° 19'	297° 41'	0.26770776 2	7.457567283	62° 59'	297° 1'	0.27287516 8	7.349378661	63° 39'	296° 21'	0.27807332 3	7.242593913
62° 20'	297° 40'	0.26783656 7	7.454845242	63° 0'	297° 0'	0.27300475 0	7.346692043	63° 40'	296° 20'	0.27820366 5	7.239942053
62° 21'	297° 39'	0.26796539 1	7.452124095	63° 1'	296° 59'	0.27313435 1	7.344006303	63° 41'	296° 19'	0.27833402 5	7.237291053
62° 22'	297° 38'	0.26809423 5	7.449403842	63° 2'	296° 58'	0.27326397 2	7.341321439	63° 42'	296° 18'	0.27846440 5	7.234640914
62° 23'	297° 37'	0.26822309 9	7.446684481	63° 3'	296° 57'	0.27339361 1	7.338637451	63° 43'	296° 17'	0.27859480 3	7.231991634
62° 24'	297° 36'	0.26835198 2	7.443966013	63° 4'	296° 56'	0.27352327 0	7.335954339	63° 44'	296° 16'	0.27872521 9	7.229343213
62° 25'	297° 35'	0.26848088 5	7.441248437	63° 5'	296° 55'	0.27365294 8	7.333272102	63° 45'	296° 15'	0.27885565 5	7.226695652
62° 26'	297° 34'	0.26860980 8	7.438531753	63° 6'	296° 54'	0.27378264 5	7.330590741	63° 46'	296° 14'	0.27898610 9	7.224048949
62° 27'	297° 33'	0.26873875 0	7.435815961	63° 7'	296° 53'	0.27391236 2	7.327910253	63° 47'	296° 13'	0.27911658 2	7.221403104
62° 28'	297° 32'	0.26886771 1	7.433101059	63° 8'	296° 52'	0.27404209 7	7.325230640	63° 48'	296° 12'	0.27924707 4	7.218758117
62° 29'	297° 31'	0.26899669 3	7.430387047	63° 9'	296° 51'	0.27417185 2	7.322551900	63° 49'	296° 11'	0.27937758 4	7.216113988
62° 30'	297° 30'	0.26912569 3	7.427673926	63° 10'	296° 50'	0.27430162 5	7.319874034	63° 50'	296° 10'	0.27950811 3	7.213470715
62° 31'	297° 29'	0.26925471 4	7.424961694	63° 11'	296° 49'	0.27443141 8	7.317197040	63° 51'	296° 9'	0.27963866 0	7.210828299
62° 32'	297° 28'	0.26938375 3	7.422250352	63° 12'	296° 48'	0.27456123 0	7.314520919	63° 52'	296° 8'	0.27976922 7	7.208186739
62° 33'	297° 27'	0.26951281 3	7.419539898	63° 13'	296° 47'	0.27469106 1	7.311845669	63° 53'	296° 7'	0.27989981 2	7.205546035
62° 34'	297° 26'	0.26964189 2	7.416830332	63° 14'	296° 46'	0.27482091 0	7.309171292	63° 54'	296° 6'	0.28003041 5	7.202906186
62° 35'	297° 25'	0.26977099 0	7.414121654	63° 15'	296° 45'	0.27495077 9	7.306497785	63° 55'	296° 5'	0.28016103 7	7.200267192
62° 36'	297° 24'	0.26990010 8	7.411413864	63° 16'	296° 44'	0.27508066 8	7.303825149	63° 56'	296° 4'	0.28029167 8	7.197629053
62° 37'	297° 23'	0.27002924 5	7.408706961	63° 17'	296° 43'	0.27521057 5	7.301153384	63° 57'	296° 3'	0.28042233 7	7.194991768
62° 38'	297° 22'	0.27015840 2	7.406000945	63° 18'	296° 42'	0.27534050 1	7.298482488	63° 58'	296° 2'	0.28055301 5	7.192355336
62° 39'	297° 21'	0.27028757 8	7.403295814	63° 19'	296° 41'	0.27547044 6	7.295812463	63° 59'	296° 1'	0.28068371 2	7.189719758

64° 0'	296° 0'	0.28081442 7	7.187085033	64° 40'	295° 20'	0.28605811 8	7.082390943	65° 20'	294° 40'	0.29133077 3	6.979036025
64° 1'	295° 59'	0.28094516 0	7.184451161	64° 41'	295° 19'	0.28618958 4	7.079790851	65° 21'	294° 39'	0.29146295 4	6.976469099
64° 2'	295° 58'	0.28107591 2	7.181818140	64° 42'	295° 18'	0.28632106 8	7.077191596	65° 22'	294° 38'	0.29159515 3	6.973902995
64° 3'	295° 57'	0.28120668 3	7.179185972	64° 43'	295° 17'	0.28645257 1	7.074593177	65° 23'	294° 37'	0.29172737 0	6.971337711
64° 4'	295° 56'	0.28133747 2	7.176554655	64° 44'	295° 16'	0.28658409 1	7.071995594	65° 24'	294° 36'	0.29185960 4	6.968773248
64° 5'	295° 55'	0.28146828 0	7.173924189	64° 45'	295° 15'	0.28671563 0	7.069398846	65° 25'	294° 35'	0.29199185 6	6.966209606
64° 6'	295° 54'	0.28159910 6	7.171294573	64° 46'	295° 14'	0.28684718 7	7.066802934	65° 26'	294° 34'	0.29212412 5	6.963646783
64° 7'	295° 53'	0.28172995 0	7.168665808	64° 47'	295° 13'	0.28697876 1	7.064207855	65° 27'	294° 33'	0.29225641 2	6.961084780
64° 8'	295° 52'	0.28186081 4	7.166037892	64° 48'	295° 12'	0.28711035 4	7.061613612	65° 28'	294° 32'	0.29238871 7	6.958523597
64° 9'	295° 51'	0.28199169 5	7.163410826	64° 49'	295° 11'	0.28724196 5	7.059020202	65° 29'	294° 31'	0.29252103 9	6.955963232
64° 10'	295° 50'	0.28212259 5	7.160784609	64° 50'	295° 10'	0.28737359 4	7.056427625	65° 30'	294° 30'	0.29265337 9	6.953403685
64° 11'	295° 49'	0.28225351 3	7.158159240	64° 51'	295° 9'	0.28750524 1	7.053835882	65° 31'	294° 29'	0.29278573 6	6.950844957
64° 12'	295° 48'	0.28238445 0	7.155534720	64° 52'	295° 8'	0.28763690 5	7.051244972	65° 32'	294° 28'	0.29291811 1	6.948287046
64° 13'	295° 47'	0.28251540 6	7.152911048	64° 53'	295° 7'	0.28776858 8	7.048654893	65° 33'	294° 27'	0.29305050 3	6.945729952
64° 14'	295° 46'	0.28264637 9	7.150288223	64° 54'	295° 6'	0.28790028 9	7.046065647	65° 34'	294° 26'	0.29318291 3	6.943173676
64° 15'	295° 45'	0.28277737 1	7.147666245	64° 55'	295° 5'	0.28803200 7	7.043477233	65° 35'	294° 25'	0.29331534 0	6.940618216
64° 16'	295° 44'	0.28290838 2	7.145045113	64° 56'	295° 4'	0.28816374 4	7.040889649	65° 36'	294° 24'	0.29344778 5	6.938063572
64° 17'	295° 43'	0.28303941 1	7.142424828	64° 57'	295° 3'	0.28829549 8	7.038302896	65° 37'	294° 23'	0.29358024 7	6.935509745
64° 18'	295° 42'	0.28317045 8	7.139805389	64° 58'	295° 2'	0.28842727 1	7.035716974	65° 38'	294° 22'	0.29371272 7	6.932956733
64° 19'	295° 41'	0.28330152 3	7.137186795	64° 59'	295° 1'	0.28855906 1	7.033131882	65° 39'	294° 21'	0.29384522 4	6.930404535
64° 20'	295° 40'	0.28343260 7	7.134569047	65° 0'	295° 0'	0.28869086 9	7.030547620	65° 40'	294° 20'	0.29397773 9	6.927853153
64° 21'	295° 39'	0.28356370 9	7.131952143	65° 1'	294° 59'	0.28882269 5	7.027964187	65° 41'	294° 19'	0.29411027 1	6.925302585
64° 22'	295° 38'	0.28369483 0	7.129336083	65° 2'	294° 58'	0.28895453 9	7.025381583	65° 42'	294° 18'	0.29424282 1	6.922752831
64° 23'	295° 37'	0.28382596 9	7.126720867	65° 3'	294° 57'	0.28908640 1	7.022799807	65° 43'	294° 17'	0.29437538 8	6.920203891
64° 24'	295° 36'	0.28395712 6	7.124106495	65° 4'	294° 56'	0.28921828 1	7.020218860	65° 44'	294° 16'	0.29450797 2	6.917655764
64° 25'	295° 35'	0.28408830 1	7.121492966	65° 5'	294° 55'	0.28935017 8	7.017638740	65° 45'	294° 15'	0.29464057 4	6.915108450
64° 26'	295° 34'	0.28421949 5	7.118880280	65° 6'	294° 54'	0.28948209 3	7.015059448	65° 46'	294° 14'	0.29477319 3	6.912561949
64° 27'	295° 33'	0.28435070 6	7.116268436	65° 7'	294° 53'	0.28961402 6	7.012480983	65° 47'	294° 13'	0.29490582 9	6.910016259
64° 28'	295° 32'	0.28448193 7	7.113657434	65° 8'	294° 52'	0.28974597 7	7.009903344	65° 48'	294° 12'	0.29503848 3	6.907471382
64° 29'	295° 31'	0.28461318 5	7.111047273	65° 9'	294° 51'	0.28987794 6	7.007326532	65° 49'	294° 11'	0.29517115 4	6.904927316
64° 30'	295° 30'	0.28474445 2	7.108437954	65° 10'	294° 50'	0.29000993 3	7.004750546	65° 50'	294° 10'	0.29530384 3	6.902384061
64° 31'	295° 29'	0.28487573 6	7.105829476	65° 11'	294° 49'	0.29014193 7	7.002175385	65° 51'	294° 9'	0.29543654 9	6.899841617
64° 32'	295° 28'	0.28500703 9	7.103221838	65° 12'	294° 48'	0.29027395 9	6.999601049	65° 52'	294° 8'	0.29556927 2	6.897299983
64° 33'	295° 27'	0.28513836 1	7.100615040	65° 13'	294° 47'	0.29040599 9	6.997027538	65° 53'	294° 7'	0.29570201 2	6.894759160
64° 34'	295° 26'	0.28526970 0	7.098009082	65° 14'	294° 46'	0.29053805 6	6.994454852	65° 54'	294° 6'	0.29583477 0	6.892219145
64° 35'	295° 25'	0.28540105 8	7.095403962	65° 15'	294° 45'	0.29067013 1	6.991882990	65° 55'	294° 5'	0.29596754 5	6.889679941
64° 36'	295° 24'	0.28553243 3	7.092799682	65° 16'	294° 44'	0.29080222 4	6.989311951	65° 56'	294° 4'	0.29610033 7	6.887141545
64° 37'	295° 23'	0.28566382 7	7.090196241	65° 17'	294° 43'	0.29093433 5	6.986741736	65° 57'	294° 3'	0.29623314 7	6.884603957
64° 38'	295° 22'	0.28579523 9	7.087593637	65° 18'	294° 42'	0.29106646 3	6.984172343	65° 58'	294° 2'	0.29636597 3	6.882067178
64° 39'	295° 21'	0.28592666 9	7.084991871	65° 19'	294° 41'	0.29119860 9	6.981603773	65° 59'	294° 1'	0.29649881 7	6.879531207

66° 0'	294° 0'	0.29663167 8	6.876996043	66° 40'	293° 20'	0.30196011 7	6.776247497	67° 20'	292° 40'	0.30731536 7	6.676767595
66° 1'	293° 59'	0.29676455 7	6.874461687	66° 41'	293° 19'	0.30209367 4	6.773745131	67° 21'	292° 39'	0.30744958 5	6.674296660
66° 2'	293° 58'	0.29689745 2	6.871928137	66° 42'	293° 18'	0.30222724 9	6.771243558	67° 22'	292° 38'	0.30758382 0	6.671826503
66° 3'	293° 57'	0.29703036 5	6.869395393	66° 43'	293° 17'	0.30236084 0	6.768742777	67° 23'	292° 37'	0.30771807 1	6.669357124
66° 4'	293° 56'	0.29716329 5	6.866863455	66° 44'	293° 16'	0.30249444 7	6.766242787	67° 24'	292° 36'	0.30785233 9	6.666888524
66° 5'	293° 55'	0.29729624 2	6.864332324	66° 45'	293° 15'	0.30262807 2	6.763743590	67° 25'	292° 35'	0.30798662 2	6.664420701
66° 6'	293° 54'	0.29742920 7	6.861801997	66° 46'	293° 14'	0.30276171 3	6.761245183	67° 26'	292° 34'	0.30812092 2	6.661953655
66° 7'	293° 53'	0.29756218 8	6.859272475	66° 47'	293° 13'	0.30289537 1	6.758747567	67° 27'	292° 33'	0.30825523 8	6.659487387
66° 8'	293° 52'	0.29769518 7	6.856743758	66° 48'	293° 12'	0.30302904 5	6.756250742	67° 28'	292° 32'	0.30838957 1	6.657021895
66° 9'	293° 51'	0.29782820 2	6.854215846	66° 49'	293° 11'	0.30316273 6	6.753754706	67° 29'	292° 31'	0.30852391 9	6.654557180
66° 10'	293° 50'	0.29796123 5	6.851688737	66° 50'	293° 10'	0.30329644 4	6.751259461	67° 30'	292° 30'	0.30865828 4	6.652093240
66° 11'	293° 49'	0.29809428 5	6.849162431	66° 51'	293° 9'	0.30343016 9	6.748765005	67° 31'	292° 29'	0.30879266 5	6.649630076
66° 12'	293° 48'	0.29822735 2	6.846636929	66° 52'	293° 8'	0.30356391 0	6.746271337	67° 32'	292° 28'	0.30892706 2	6.647167688
66° 13'	293° 47'	0.29836043 6	6.844112229	66° 53'	293° 7'	0.30369766 7	6.743778459	67° 33'	292° 27'	0.30906147 5	6.644706074
66° 14'	293° 46'	0.29849353 7	6.841588332	66° 54'	293° 6'	0.30383144 2	6.741286368	67° 34'	292° 26'	0.30919590 5	6.642245236
66° 15'	293° 45'	0.29862665 5	6.839065237	66° 55'	293° 5'	0.30396523 3	6.738795066	67° 35'	292° 25'	0.30933035 0	6.639785171
66° 16'	293° 44'	0.29875979 0	6.836542944	66° 56'	293° 4'	0.30409904 0	6.736304552	67° 36'	292° 24'	0.30946481 2	6.637325881
66° 17'	293° 43'	0.29889294 2	6.834021452	66° 57'	293° 3'	0.30423286 4	6.733814824	67° 37'	292° 23'	0.30959929 0	6.634867364
66° 18'	293° 42'	0.29902611 2	6.831500761	66° 58'	293° 2'	0.30436670 5	6.731325884	67° 38'	292° 22'	0.30973378 4	6.632409620
66° 19'	293° 41'	0.29915929 8	6.828980871	66° 59'	293° 1'	0.30450056 2	6.728837730	67° 39'	292° 21'	0.30986829 4	6.629952650
66° 20'	293° 40'	0.29929250 1	6.826461781	67° 0'	293° 0'	0.30463443 6	6.726350363	67° 40'	292° 20'	0.31000282 0	6.627496452
66° 21'	293° 39'	0.29942572 1	6.823943491	67° 1'	292° 59'	0.30476832 6	6.723863781	67° 41'	292° 19'	0.31013736 2	6.625041026
66° 22'	293° 38'	0.29955895 9	6.821426001	67° 2'	292° 58'	0.30490223 3	6.721377985	67° 42'	292° 18'	0.31027192 0	6.622586372
66° 23'	293° 37'	0.29969221 3	6.818909309	67° 3'	292° 57'	0.30503615 6	6.718892974	67° 43'	292° 17'	0.31040649 5	6.620132490
66° 24'	293° 36'	0.29982548 4	6.816393417	67° 4'	292° 56'	0.30517009 6	6.716408748	67° 44'	292° 16'	0.31054108 5	6.617679379
66° 25'	293° 35'	0.29995877 2	6.813878323	67° 5'	292° 55'	0.30530405 2	6.713925307	67° 45'	292° 15'	0.31067569 1	6.615227039
66° 26'	293° 34'	0.30009207 7	6.811364028	67° 6'	292° 54'	0.30543802 5	6.711442650	67° 46'	292° 14'	0.31081031 4	6.612775470
66° 27'	293° 33'	0.30022539 9	6.808850530	67° 7'	292° 53'	0.30557201 4	6.708960776	67° 47'	292° 13'	0.31094495 2	6.610324671
66° 28'	293° 32'	0.30035873 7	6.806337829	67° 8'	292° 52'	0.30570602 0	6.706479686	67° 48'	292° 12'	0.31107960 7	6.607874642
66° 29'	293° 31'	0.30049209 3	6.803825926	67° 9'	292° 51'	0.30584004 2	6.703999379	67° 49'	292° 11'	0.31121427 7	6.605425383
66° 30'	293° 30'	0.30062546 6	6.801314819	67° 10'	292° 50'	0.30597408 0	6.701519855	67° 50'	292° 10'	0.31134896 3	6.602976893
66° 31'	293° 29'	0.30075885 5	6.798804509	67° 11'	292° 49'	0.30610813 5	6.699041114	67° 51'	292° 9'	0.31148366 6	6.600529172
66° 32'	293° 28'	0.30089226 1	6.796294995	67° 12'	292° 48'	0.30624220 7	6.696563155	67° 52'	292° 8'	0.31161838 4	6.598082219
66° 33'	293° 27'	0.30102568 4	6.793786276	67° 13'	292° 47'	0.30637629 5	6.694085977	67° 53'	292° 7'	0.31175311 8	6.595636035
66° 34'	293° 26'	0.30115912 4	6.791278353	67° 14'	292° 46'	0.30651039 9	6.691609581	67° 54'	292° 6'	0.31188786 8	6.593190619
66° 35'	293° 25'	0.30129258 1	6.788771225	67° 15'	292° 45'	0.30664451 9	6.689133966	67° 55'	292° 5'	0.31202263 5	6.590745971
66° 36'	293° 24'	0.30142605 5	6.786264892	67° 16'	292° 44'	0.30677865 6	6.686659132	67° 56'	292° 4'	0.31215741 7	6.588302089
66° 37'	293° 23'	0.30155954 5	6.783759352	67° 17'	292° 43'	0.30691280 9	6.684185078	67° 57'	292° 3'	0.31229221 4	6.585858975
66° 38'	293° 22'	0.30169305 2	6.781254607	67° 18'	292° 42'	0.30704697 9	6.681711804	67° 58'	292° 2'	0.31242702 8	6.583416627
66° 39'	293° 21'	0.30182657 6	6.778750655	67° 19'	292° 41'	0.30718116 5	6.679239310	67° 59'	292° 1'	0.31256185 8	6.580975046

68° 0'	292° 0'	0.31269670 3	6.578534230	68° 40'	291° 20'	0.31810339 8	6.481525949	69° 20'	290° 40'	0.32353471 8	6.385721928
68° 1'	291° 59'	0.31283156 5	6.576094181	68° 41'	291° 19'	0.31823888 3	6.479116257	69° 21'	290° 39'	0.32367081 0	6.383342081
68° 2'	291° 58'	0.31296644 2	6.573654896	68° 42'	291° 18'	0.31837438 5	6.476707317	69° 22'	290° 38'	0.32380691 7	6.380962973
68° 3'	291° 57'	0.31310133 5	6.571216377	68° 43'	291° 17'	0.31850990 1	6.474299130	69° 23'	290° 37'	0.32394303 9	6.378584605
68° 4'	291° 56'	0.31323624 4	6.568778622	68° 44'	291° 16'	0.31864543 3	6.471891694	69° 24'	290° 36'	0.32407917 6	6.376206977
68° 5'	291° 55'	0.31337116 8	6.566341632	68° 45'	291° 15'	0.31878098 1	6.469485009	69° 25'	290° 35'	0.32421532 8	6.373830086
68° 6'	291° 54'	0.31350610 9	6.563905405	68° 46'	291° 14'	0.31891654 4	6.467079075	69° 26'	290° 34'	0.32435149 4	6.371453935
68° 7'	291° 53'	0.31364106 5	6.561469942	68° 47'	291° 13'	0.31905212 2	6.464673892	69° 27'	290° 33'	0.32448767 6	6.369078521
68° 8'	291° 52'	0.31377603 7	6.559035243	68° 48'	291° 12'	0.31918771 5	6.462269460	69° 28'	290° 32'	0.32462387 2	6.366703845
68° 9'	291° 51'	0.31391102 5	6.556601306	68° 49'	291° 11'	0.31932332 4	6.459865777	69° 29'	290° 31'	0.32476008 3	6.364329907
68° 10'	291° 50'	0.31404602 8	6.554168133	68° 50'	291° 10'	0.31945894 8	6.457462844	69° 30'	290° 30'	0.32489630 9	6.361956706
68° 11'	291° 49'	0.31418104 7	6.551735721	68° 51'	291° 9'	0.31959458 7	6.455060661	69° 31'	290° 29'	0.32503255 0	6.359584242
68° 12'	291° 48'	0.31431608 2	6.549304072	68° 52'	291° 8'	0.31973024 1	6.452659227	69° 32'	290° 28'	0.32516880 6	6.357212514
68° 13'	291° 47'	0.31445113 3	6.546873184	68° 53'	291° 7'	0.31986591 1	6.450258542	69° 33'	290° 27'	0.32530507 6	6.354841523
68° 14'	291° 46'	0.31458619 9	6.544443058	68° 54'	291° 6'	0.32000159 6	6.447858605	69° 34'	290° 26'	0.32544136 2	6.352471268
68° 15'	291° 45'	0.31472128 1	6.542013692	68° 55'	291° 5'	0.32013729 6	6.445459416	69° 35'	290° 25'	0.32557766 2	6.350101748
68° 16'	291° 44'	0.31485637 9	6.539585088	68° 56'	291° 4'	0.32027301 2	6.443060975	69° 36'	290° 24'	0.32571397 6	6.347732964
68° 17'	291° 43'	0.31499149 2	6.537157244	68° 57'	291° 3'	0.32040874 2	6.440663282	69° 37'	290° 23'	0.32585030 6	6.345364914
68° 18'	291° 42'	0.31512662 1	6.534730160	68° 58'	291° 2'	0.32054448 8	6.438266335	69° 38'	290° 22'	0.32598665 0	6.342997600
68° 19'	291° 41'	0.31526176 6	6.532303835	68° 59'	291° 1'	0.32068024 9	6.435870136	69° 39'	290° 21'	0.32612300 9	6.340631020
68° 20'	291° 40'	0.31539692 6	6.529878270	69° 0'	291° 0'	0.32081602 5	6.433474684	69° 40'	290° 20'	0.32625938 3	6.338265174
68° 21'	291° 39'	0.31553210 2	6.527453465	69° 1'	290° 59'	0.32095181 7	6.431079977	69° 41'	290° 19'	0.32639577 1	6.335900061
68° 22'	291° 38'	0.31566729 4	6.525029417	69° 2'	290° 58'	0.32108762 3	6.428686017	69° 42'	290° 18'	0.32653217 4	6.333535683
68° 23'	291° 37'	0.31580250 1	6.522606129	69° 3'	290° 57'	0.32122344 5	6.426292802	69° 43'	290° 17'	0.32666859 2	6.331172037
68° 24'	291° 36'	0.31593772 4	6.520183598	69° 4'	290° 56'	0.32135928 1	6.423900332	69° 44'	290° 16'	0.32680502 4	6.328809125
68° 25'	291° 35'	0.31607296 2	6.517761825	69° 5'	290° 55'	0.32149513 3	6.421508608	69° 45'	290° 15'	0.32694147 1	6.326446945
68° 26'	291° 34'	0.31620821 6	6.515340810	69° 6'	290° 54'	0.32163100 0	6.419117628	69° 46'	290° 14'	0.32707793 3	6.324085497
68° 27'	291° 33'	0.31634348 5	6.512920552	69° 7'	290° 53'	0.32176688 2	6.416727393	69° 47'	290° 13'	0.32721441 0	6.321724781
68° 28'	291° 32'	0.31647877 0	6.510501051	69° 8'	290° 52'	0.32190278 0	6.414337901	69° 48'	290° 12'	0.32735090 1	6.319364797
68° 29'	291° 31'	0.31661407 1	6.508082306	69° 9'	290° 51'	0.32203869 2	6.411949154	69° 49'	290° 11'	0.32748740 6	6.317005545
68° 30'	291° 30'	0.31674938 7	6.505664317	69° 10'	290° 50'	0.32217461 9	6.409561150	69° 50'	290° 10'	0.32762392 6	6.314647023
68° 31'	291° 29'	0.31688471 8	6.503247084	69° 11'	290° 49'	0.32231056 1	6.407173889	69° 51'	290° 9'	0.32776046 1	6.312289232
68° 32'	291° 28'	0.31702006 5	6.500830607	69° 12'	290° 48'	0.32244651 9	6.404787370	69° 52'	290° 8'	0.32789701 0	6.309932172
68° 33'	291° 27'	0.31715542 8	6.498414885	69° 13'	290° 47'	0.32258249 1	6.402401595	69° 53'	290° 7'	0.32803357 4	6.307575842
68° 34'	291° 26'	0.31729080 6	6.495999918	69° 14'	290° 46'	0.32271847 9	6.400016561	69° 54'	290° 6'	0.32817015 3	6.305220241
68° 35'	291° 25'	0.31742619 9	6.493585705	69° 15'	290° 45'	0.32285448 1	6.397632269	69° 55'	290° 5'	0.32830674 6	6.302865371
68° 36'	291° 24'	0.31756160 8	6.491172247	69° 16'	290° 44'	0.32299049 8	6.395248719	69° 56'	290° 4'	0.32844335 3	6.300511229
68° 37'	291° 23'	0.31769703 2	6.488759542	69° 17'	290° 43'	0.32312653 1	6.392865910	69° 57'	290° 3'	0.32857997 5	6.298157816
68° 38'	291° 22'	0.31783247 2	6.486347591	69° 18'	290° 42'	0.32326257 8	6.390483842	69° 58'	290° 2'	0.32871661 2	6.295805132
68° 39'	291° 21'	0.31796792 7	6.483936394	69° 19'	290° 41'	0.32339864 0	6.388102515	69° 59'	290° 1'	0.32885326 3	6.293453177

70° 0'	290° 0'	0.32898992 8	6.291101949	70° 40'	289° 20'	0.33446829 1	6.197646378	71° 20'	288° 40'	0.33996906 4	6.105336142
70° 1'	289° 59'	0.32912660 8	6.288751449	70° 41'	289° 19'	0.33460554 0	6.195324742	71° 21'	288° 39'	0.34010686 4	6.103042899
70° 2'	289° 58'	0.32926330 3	6.286401677	70° 42'	289° 18'	0.33474280 4	6.193003821	71° 22'	288° 38'	0.34024467 8	6.100750361
70° 3'	289° 57'	0.32940001 2	6.284052631	70° 43'	289° 17'	0.33488008 1	6.190683615	71° 23'	288° 37'	0.34038250 5	6.098458525
70° 4'	289° 56'	0.32953673 5	6.281704313	70° 44'	289° 16'	0.33501737 2	6.188364124	71° 24'	288° 36'	0.34052034 5	6.096167394
70° 5'	289° 55'	0.32967347 3	6.279356720	70° 45'	289° 15'	0.33515467 7	6.186045348	71° 25'	288° 35'	0.34065819 9	6.093876965
70° 6'	289° 54'	0.32981022 5	6.277009855	70° 46'	289° 14'	0.33529199 7	6.183727286	71° 26'	288° 34'	0.34079606 7	6.091587239
70° 7'	289° 53'	0.32994699 1	6.274663715	70° 47'	289° 13'	0.33542933 0	6.181409939	71° 27'	288° 33'	0.34093394 8	6.089298216
70° 8'	289° 52'	0.33008377 2	6.272318300	70° 48'	289° 12'	0.33556667 7	6.179093305	71° 28'	288° 32'	0.34107184 2	6.087009895
70° 9'	289° 51'	0.33022056 8	6.269973611	70° 49'	289° 11'	0.33570403 8	6.176777384	71° 29'	288° 31'	0.34120975 0	6.084722276
70° 10'	289° 50'	0.33035737 7	6.267629647	70° 50'	289° 10'	0.33584141 2	6.174462177	71° 30'	288° 30'	0.34134767 2	6.082435358
70° 11'	289° 49'	0.33049420 1	6.265286408	70° 51'	289° 9'	0.33597880 1	6.172147682	71° 31'	288° 29'	0.34148560 7	6.080149142
70° 12'	289° 48'	0.33063104 0	6.262943893	70° 52'	289° 8'	0.33611620 4	6.169833901	71° 32'	288° 28'	0.34162355 5	6.077863627
70° 13'	289° 47'	0.33076789 3	6.260602103	70° 53'	289° 7'	0.33625362 0	6.167520831	71° 33'	288° 27'	0.34176151 6	6.075578813
70° 14'	289° 46'	0.33090476 0	6.258261036	70° 54'	289° 6'	0.33639105 1	6.165208473	71° 34'	288° 26'	0.34189949 1	6.073294699
70° 15'	289° 45'	0.33104164 1	6.255920692	70° 55'	289° 5'	0.33652849 5	6.162896828	71° 35'	288° 25'	0.34203748 0	6.071011286
70° 16'	289° 44'	0.33117853 7	6.253581072	70° 56'	289° 4'	0.33666595 3	6.160585893	71° 36'	288° 24'	0.34217548 2	6.068728572
70° 17'	289° 43'	0.33131544 7	6.251242175	70° 57'	289° 3'	0.33680342 5	6.158275670	71° 37'	288° 23'	0.34231349 7	6.066446559
70° 18'	289° 42'	0.33145237 1	6.248904000	70° 58'	289° 2'	0.33694091 0	6.155966157	71° 38'	288° 22'	0.34245152 5	6.064165244
70° 19'	289° 41'	0.33158930 9	6.246566548	70° 59'	289° 1'	0.33707841 0	6.153657356	71° 39'	288° 21'	0.34258956 7	6.061884629
70° 20'	289° 40'	0.33172626 2	6.244229817	71° 0'	289° 0'	0.33721592 3	6.151349264	71° 40'	288° 20'	0.34272762 2	6.059604713
70° 21'	289° 39'	0.33186322 9	6.241893809	71° 1'	288° 59'	0.33735345 0	6.149041882	71° 41'	288° 19'	0.34286569 0	6.057325495
70° 22'	289° 38'	0.33200021 0	6.239558522	71° 2'	288° 58'	0.33749099 1	6.146735210	71° 42'	288° 18'	0.34300377 2	6.055046975
70° 23'	289° 37'	0.33213720 6	6.237223956	71° 3'	288° 57'	0.33762854 5	6.144429248	71° 43'	288° 17'	0.34314186 7	6.052769154
70° 24'	289° 36'	0.33227421 5	6.234890110	71° 4'	288° 56'	0.33776611 3	6.142123994	71° 44'	288° 16'	0.34327997 5	6.050492030
70° 25'	289° 35'	0.33241123 9	6.232556986	71° 5'	288° 55'	0.33790369 5	6.139819450	71° 45'	288° 15'	0.34341809 7	6.048215603
70° 26'	289° 34'	0.33254827 7	6.230224581	71° 6'	288° 54'	0.33804129 1	6.137515613	71° 46'	288° 14'	0.34355623 2	6.045939874
70° 27'	289° 33'	0.33268532 9	6.227892897	71° 7'	288° 53'	0.33817890 0	6.135212486	71° 47'	288° 13'	0.34369438 0	6.043664841
70° 28'	289° 32'	0.33282239 5	6.225561932	71° 8'	288° 52'	0.33831652 3	6.132910066	71° 48'	288° 12'	0.34383254 1	6.041390506
70° 29'	289° 31'	0.33295947 6	6.223231686	71° 9'	288° 51'	0.33845416 0	6.130608353	71° 49'	288° 11'	0.34397071 5	6.039116866
70° 30'	289° 30'	0.33309657 0	6.220902160	71° 10'	288° 50'	0.33859181 1	6.128307348	71° 50'	288° 10'	0.34410890 3	6.036843923
70° 31'	289° 29'	0.33323367 9	6.218573352	71° 11'	288° 49'	0.33872947 5	6.126007051	71° 51'	288° 9'	0.34424710 4	6.034571675
70° 32'	289° 28'	0.33337080 2	6.216245263	71° 12'	288° 48'	0.33886715 2	6.123707460	71° 52'	288° 8'	0.34438531 8	6.032300123
70° 33'	289° 27'	0.33350793 9	6.213917892	71° 13'	288° 47'	0.33900484 4	6.121408575	71° 53'	288° 7'	0.34452354 5	6.030029266
70° 34'	289° 26'	0.33364509 0	6.211591239	71° 14'	288° 46'	0.33914254 9	6.119110397	71° 54'	288° 6'	0.34466178 5	6.027759103
70° 35'	289° 25'	0.33378225 5	6.209265303	71° 15'	288° 45'	0.33928026 7	6.116812925	71° 55'	288° 5'	0.34480003 9	6.025489636
70° 36'	289° 24'	0.33391943 4	6.206940085	71° 16'	288° 44'	0.33941800 0	6.114516158	71° 56'	288° 4'	0.34493830 5	6.023220863
70° 37'	289° 23'	0.33405662 7	6.204615583	71° 17'	288° 43'	0.33955574 5	6.112220097	71° 57'	288° 3'	0.34507658 5	6.020952784
70° 38'	289° 22'	0.33419383 5	6.202291799	71° 18'	288° 42'	0.33969350 5	6.109924740	71° 58'	288° 2'	0.34521487 8	6.018685398
70° 39'	289° 21'	0.33433105 6	6.199968730	71° 19'	288° 41'	0.33983127 8	6.107630089	71° 59'	288° 1'	0.34535318 4	6.016418707

72° 0'	288° 0'	0.34549150 3	6.014152708	72° 40'	287° 20'	0.35103485 9	5.924078064	73° 20'	286° 40'	0.35659838 4	5.835094700
72° 1'	287° 59'	0.34562983 5	6.011887403	72° 41'	287° 19'	0.35117370 5	5.921840252	73° 21'	286° 39'	0.35673772 4	5.832883950
72° 2'	287° 58'	0.34576818 0	6.009622790	72° 42'	287° 18'	0.35131256 3	5.919603122	73° 22'	286° 38'	0.35687707 6	5.830673871
72° 3'	287° 57'	0.34590653 8	6.007358869	72° 43'	287° 17'	0.35145143 4	5.917366673	73° 23'	286° 37'	0.35701644 0	5.828464463
72° 4'	287° 56'	0.34604491 0	6.005095641	72° 44'	287° 16'	0.35159031 7	5.915130905	73° 24'	286° 36'	0.35715581 6	5.826255725
72° 5'	287° 55'	0.34618329 4	6.002833105	72° 45'	287° 15'	0.35172921 3	5.912895818	73° 25'	286° 35'	0.35729520 5	5.824047657
72° 6'	287° 54'	0.34632169 1	6.000571260	72° 46'	287° 14'	0.35186812 1	5.910661412	73° 26'	286° 34'	0.35743460 5	5.821840260
72° 7'	287° 53'	0.34646010 1	5.998310106	72° 47'	287° 13'	0.35200704 2	5.908427686	73° 27'	286° 33'	0.35757401 8	5.819633533
72° 8'	287° 52'	0.34659852 5	5.996049644	72° 48'	287° 12'	0.35214597 5	5.906194641	73° 28'	286° 32'	0.35771344 2	5.817427475
72° 9'	287° 51'	0.34673696 1	5.993789872	72° 49'	287° 11'	0.35228492 1	5.903962275	73° 29'	286° 31'	0.35785287 9	5.815222086
72° 10'	287° 50'	0.34687541 0	5.991530791	72° 50'	287° 10'	0.35242387 9	5.901730589	73° 30'	286° 30'	0.35799232 8	5.813017366
72° 11'	287° 49'	0.34701387 2	5.989272399	72° 51'	287° 9'	0.35256285 0	5.899499582	73° 31'	286° 29'	0.35813178 8	5.810813315
72° 12'	287° 48'	0.34715234 8	5.987014698	72° 52'	287° 8'	0.35270183 3	5.897269255	73° 32'	286° 28'	0.35827126 1	5.808609933
72° 13'	287° 47'	0.34729083 6	5.984757687	72° 53'	287° 7'	0.35284082 9	5.895039606	73° 33'	286° 27'	0.35841074 6	5.806407219
72° 14'	287° 46'	0.34742933 7	5.982501365	72° 54'	287° 6'	0.35297983 7	5.892810635	73° 34'	286° 26'	0.35855024 2	5.804205173
72° 15'	287° 45'	0.34756785 0	5.980245732	72° 55'	287° 5'	0.35311885 8	5.890582343	73° 35'	286° 25'	0.35868975 1	5.802003794
72° 16'	287° 44'	0.34770637 7	5.977990787	72° 56'	287° 4'	0.35325789 1	5.888354729	73° 36'	286° 24'	0.35882927 2	5.799803083
72° 17'	287° 43'	0.34784491 7	5.975736532	72° 57'	287° 3'	0.35339693 7	5.886127793	73° 37'	286° 23'	0.35896880 4	5.797603040
72° 18'	287° 42'	0.34798347 0	5.973482964	72° 58'	287° 2'	0.35353599 5	5.883901534	73° 38'	286° 22'	0.35910834 9	5.795403663
72° 19'	287° 41'	0.34812203 5	5.971230085	72° 59'	287° 1'	0.35367506 5	5.881675952	73° 39'	286° 21'	0.35924790 5	5.793204953
72° 20'	287° 40'	0.34826061 3	5.968977893	73° 0'	287° 0'	0.35381414 8	5.879451048	73° 40'	286° 20'	0.35938747 3	5.791006909
72° 21'	287° 39'	0.34839920 4	5.966726389	73° 1'	286° 59'	0.35395324 3	5.877226820	73° 41'	286° 19'	0.35952705 3	5.788809532
72° 22'	287° 38'	0.34853780 8	5.964475572	73° 2'	286° 58'	0.35409235 0	5.875003268	73° 42'	286° 18'	0.35966664 6	5.786612820
72° 23'	287° 37'	0.34867642 5	5.962225442	73° 3'	286° 57'	0.35423147 0	5.872780392	73° 43'	286° 17'	0.35980624 9	5.784416774
72° 24'	287° 36'	0.34881505 5	5.959975999	73° 4'	286° 56'	0.35437060 2	5.870558193	73° 44'	286° 16'	0.35994586 5	5.782221394
72° 25'	287° 35'	0.34895369 7	5.957727242	73° 5'	286° 55'	0.35450974 6	5.868336669	73° 45'	286° 15'	0.36008549 3	5.780026678
72° 26'	287° 34'	0.34909235 2	5.955479171	73° 6'	286° 54'	0.35464890 3	5.866115820	73° 46'	286° 14'	0.36022513 2	5.777832628
72° 27'	287° 33'	0.34923102 0	5.953231785	73° 7'	286° 53'	0.35478807 2	5.863895646	73° 47'	286° 13'	0.36036478 4	5.775639242
72° 28'	287° 32'	0.34936970 1	5.950985086	73° 8'	286° 52'	0.35492725 4	5.861676147	73° 48'	286° 12'	0.36050444 7	5.773446521
72° 29'	287° 31'	0.34950839 4	5.948739072	73° 9'	286° 51'	0.35506644 7	5.859457323	73° 49'	286° 11'	0.36064412 2	5.771254463
72° 30'	287° 30'	0.34964710 0	5.946493742	73° 10'	286° 50'	0.35520565 3	5.857239173	73° 50'	286° 10'	0.36078380 9	5.769063070
72° 31'	287° 29'	0.34978581 9	5.944249098	73° 11'	286° 49'	0.35534487 1	5.855021697	73° 51'	286° 9'	0.36092350 7	5.766872340
72° 32'	287° 28'	0.34992455 1	5.942005137	73° 12'	286° 48'	0.35548410 2	5.852804895	73° 52'	286° 8'	0.36106321 8	5.764682273
72° 33'	287° 27'	0.35006329 5	5.939761861	73° 13'	286° 47'	0.35562334 4	5.850588766	73° 53'	286° 7'	0.36120294 0	5.762492870
72° 34'	287° 26'	0.35020205 2	5.937519269	73° 14'	286° 46'	0.35576259 9	5.848373311	73° 54'	286° 6'	0.36134267 3	5.760304129
72° 35'	287° 25'	0.35034082 2	5.935277361	73° 15'	286° 45'	0.35590186 6	5.846158528	73° 55'	286° 5'	0.36148241 9	5.758116051
72° 36'	287° 24'	0.35047960 4	5.933036136	73° 16'	286° 44'	0.35604114 5	5.843944418	73° 56'	286° 4'	0.36162217 6	5.755928635
72° 37'	287° 23'	0.35061839 9	5.930795594	73° 17'	286° 43'	0.35618043 7	5.841730981	73° 57'	286° 3'	0.36176194 5	5.753741881
72° 38'	287° 22'	0.35075720 6	5.928555735	73° 18'	286° 42'	0.35631974 0	5.839518215	73° 58'	286° 2'	0.36190172 6	5.751555789
72° 39'	287° 21'	0.35089602 7	5.926316559	73° 19'	286° 41'	0.35645905 6	5.837306122	73° 59'	286° 1'	0.36204151 8	5.749370359

74° 0'	286° 0'	0.36218132 2	5.747185590	74° 40'	285° 20'	0.36778291 9	5.660334172	75° 20'	284° 40'	0.37340241 6	5.574524338
74° 1'	285° 59'	0.36232113 8	5.745001482	74° 41'	285° 19'	0.36792319 1	5.658176298	75° 21'	284° 39'	0.37354312 6	5.572392301
74° 2'	285° 58'	0.36246096 5	5.742818034	74° 42'	285° 18'	0.36806347 5	5.656019075	75° 22'	284° 38'	0.37368384 7	5.570260905
74° 3'	285° 57'	0.36260080 4	5.740635248	74° 43'	285° 17'	0.36820377 0	5.653862502	75° 23'	284° 37'	0.37382457 9	5.568130149
74° 4'	285° 56'	0.36274065 5	5.738453121	74° 44'	285° 16'	0.36834407 6	5.651706580	75° 24'	284° 36'	0.37396532 1	5.566000034
74° 5'	285° 55'	0.36288051 7	5.736271655	74° 45'	285° 15'	0.36848439 3	5.649551307	75° 25'	284° 35'	0.37410607 4	5.563870559
74° 6'	285° 54'	0.36302039 1	5.734090848	74° 46'	285° 14'	0.36862472 1	5.647396684	75° 26'	284° 34'	0.37424683 7	5.561741724
74° 7'	285° 53'	0.36316027 6	5.731910701	74° 47'	285° 13'	0.36876506 0	5.645242711	75° 27'	284° 33'	0.37438761 2	5.559613529
74° 8'	285° 52'	0.36330017 3	5.729731213	74° 48'	285° 12'	0.36890541 1	5.643089386	75° 28'	284° 32'	0.37452839 6	5.557485974
74° 9'	285° 51'	0.36344008 2	5.727552384	74° 49'	285° 11'	0.36904577 2	5.640936711	75° 29'	284° 31'	0.37466919 2	5.555359057
74° 10'	285° 50'	0.36358000 2	5.725374213	74° 50'	285° 10'	0.36918614 5	5.638784685	75° 30'	284° 30'	0.37480999 8	5.553232780
74° 11'	285° 49'	0.36371993 3	5.723196702	74° 51'	285° 9'	0.36932652 8	5.636633307	75° 31'	284° 29'	0.37495081 5	5.551107141
74° 12'	285° 48'	0.36385987 6	5.721019848	74° 52'	285° 8'	0.36946692 3	5.634482577	75° 32'	284° 28'	0.37509164 2	5.548982141
74° 13'	285° 47'	0.36399983 1	5.718843653	74° 53'	285° 7'	0.36960732 9	5.632332495	75° 33'	284° 27'	0.37523248 0	5.546857780
74° 14'	285° 46'	0.36413979 7	5.716668115	74° 54'	285° 6'	0.36974774 6	5.630183061	75° 34'	284° 26'	0.37537332 8	5.544734056
74° 15'	285° 45'	0.36427977 5	5.714493235	74° 55'	285° 5'	0.36988817 3	5.628034275	75° 35'	284° 25'	0.37551418 7	5.542610970
74° 16'	285° 44'	0.36441976 4	5.712319012	74° 56'	285° 4'	0.37002861 2	5.625886136	75° 36'	284° 24'	0.37565505 6	5.540488521
74° 17'	285° 43'	0.36455976 5	5.710145446	74° 57'	285° 3'	0.37016906 2	5.623738644	75° 37'	284° 23'	0.37579593 6	5.538366710
74° 18'	285° 42'	0.36469977 7	5.707972536	74° 58'	285° 2'	0.37030952 3	5.621591798	75° 38'	284° 22'	0.37593682 7	5.536245536
74° 19'	285° 41'	0.36483980 1	5.705800283	74° 59'	285° 1'	0.37044999 5	5.619445599	75° 39'	284° 21'	0.37607772 8	5.534124999
74° 20'	285° 40'	0.36497983 6	5.703628687	75° 0'	285° 0'	0.37059047 7	5.617300047	75° 40'	284° 20'	0.37621863 9	5.532005099
74° 21'	285° 39'	0.36511988 2	5.701457746	75° 1'	284° 59'	0.37073097 1	5.615155140	75° 41'	284° 19'	0.37635956 1	5.529885835
74° 22'	285° 38'	0.36525994 0	5.699287461	75° 2'	284° 58'	0.37087147 6	5.613010879	75° 42'	284° 18'	0.37650049 4	5.527767207
74° 23'	285° 37'	0.36540000 9	5.697117831	75° 3'	284° 57'	0.37101199 1	5.610867264	75° 43'	284° 17'	0.37664143 6	5.525649214
74° 24'	285° 36'	0.36554009 0	5.694948857	75° 4'	284° 56'	0.37115251 8	5.608724294	75° 44'	284° 16'	0.37678239 0	5.523531858
74° 25'	285° 35'	0.36568018 2	5.692780538	75° 5'	284° 55'	0.37129305 5	5.606581969	75° 45'	284° 15'	0.37692335 3	5.521415137
74° 26'	285° 34'	0.36582028 5	5.690612873	75° 6'	284° 54'	0.37143360 3	5.604440289	75° 46'	284° 14'	0.37706432 8	5.519299051
74° 27'	285° 33'	0.36596040 0	5.688445863	75° 7'	284° 53'	0.37157416 3	5.602299254	75° 47'	284° 13'	0.37720531 2	5.517183600
74° 28'	285° 32'	0.36610052 6	5.686279507	75° 8'	284° 52'	0.37171473 7	5.600158863	75° 48'	284° 12'	0.37734630 3	5.515068784
74° 29'	285° 31'	0.36624066 3	5.684113805	75° 9'	284° 51'	0.37185531 3	5.598019116	75° 49'	284° 11'	0.37748731 2	5.512954602
74° 30'	285° 30'	0.36638081 2	5.681948756	75° 10'	284° 50'	0.37199590 5	5.595880012	75° 50'	284° 10'	0.37762832 8	5.510841055
74° 31'	285° 29'	0.36652097 2	5.679784362	75° 11'	284° 49'	0.37213650 8	5.593741553	75° 51'	284° 9'	0.37776935 4	5.508728141
74° 32'	285° 28'	0.36666114 3	5.677620620	75° 12'	284° 48'	0.37227712 1	5.591603737	75° 52'	284° 8'	0.37791039 0	5.506615861
74° 33'	285° 27'	0.36680132 6	5.675457531	75° 13'	284° 47'	0.37241774 5	5.589466563	75° 53'	284° 7'	0.37805143 7	5.504504215
74° 34'	285° 26'	0.36694152 0	5.673295095	75° 14'	284° 46'	0.37255838 0	5.587330033	75° 54'	284° 6'	0.37819249 4	5.502393202
74° 35'	285° 25'	0.36708172 5	5.671133312	75° 15'	284° 45'	0.37269902 6	5.585194145	75° 55'	284° 5'	0.37833356 1	5.500282822
74° 36'	285° 24'	0.36722194 1	5.668972180	75° 16'	284° 44'	0.37283968 2	5.583058900	75° 56'	284° 4'	0.37847463 9	5.498173075
74° 37'	285° 23'	0.36736216 9	5.666811701	75° 17'	284° 43'	0.37298035 0	5.580924297	75° 57'	284° 3'	0.37861572 7	5.496063961
74° 38'	285° 22'	0.36750240 8	5.664651873	75° 18'	284° 42'	0.37312102 8	5.578790336	75° 58'	284° 2'	0.37875682 5	5.493955478
74° 39'	285° 21'	0.36764265 8	5.662492697	75° 19'	284° 41'	0.37326171 6	5.576657016	75° 59'	284° 1'	0.37889793 4	5.491847628

76° 0'	284° 0'	0.37903905 2	5.489740410	76° 40'	283° 20'	0.38469206 5	5.405967133	77° 20'	282° 40'	0.39036068 8	5.323189654
76° 1'	283° 59'	0.37918018 1	5.487633824	76° 41'	283° 19'	0.38483359 3	5.403885621	77° 21'	282° 39'	0.39050259 7	5.321132850
76° 2'	283° 58'	0.37932132 0	5.485527868	76° 42'	283° 18'	0.38497513 1	5.401804731	77° 22'	282° 38'	0.39064451 5	5.319076659
76° 3'	283° 57'	0.37946247 0	5.483422544	76° 43'	283° 17'	0.38511667 9	5.399724462	77° 23'	282° 37'	0.39078644 3	5.317021080
76° 4'	283° 56'	0.37960362 9	5.481317851	76° 44'	283° 16'	0.38525823 7	5.397644816	77° 24'	282° 36'	0.39092837 9	5.314966115
76° 5'	283° 55'	0.37974479 9	5.479213789	76° 45'	283° 15'	0.38539980 5	5.395565791	77° 25'	282° 35'	0.39107032 5	5.312911762
76° 6'	283° 54'	0.37988597 9	5.477110357	76° 46'	283° 14'	0.38554138 2	5.393487387	77° 26'	282° 34'	0.39121228 0	5.310858021
76° 7'	283° 53'	0.38002716 9	5.475007555	76° 47'	283° 13'	0.38568296 8	5.391409604	77° 27'	282° 33'	0.39135424 5	5.308804892
76° 8'	283° 52'	0.38016836 9	5.472905384	76° 48'	283° 12'	0.38582456 5	5.389332442	77° 28'	282° 32'	0.39149621 8	5.306752374
76° 9'	283° 51'	0.38030957 9	5.470803842	76° 49'	283° 11'	0.38596617 1	5.387255900	77° 29'	282° 31'	0.39163820 1	5.304700469
76° 10'	283° 50'	0.38045080 0	5.468702929	76° 50'	283° 10'	0.38610778 7	5.385179979	77° 30'	282° 30'	0.39178019 3	5.302649174
76° 11'	283° 49'	0.38059203 1	5.466602646	76° 51'	283° 9'	0.38624941 2	5.383104677	77° 31'	282° 29'	0.39192219 4	5.300598491
76° 12'	283° 48'	0.38073327 1	5.464502992	76° 52'	283° 8'	0.38639104 7	5.381029996	77° 32'	282° 28'	0.39206420 4	5.298548419
76° 13'	283° 47'	0.38087452 2	5.462403967	76° 53'	283° 7'	0.38653269 2	5.378955934	77° 33'	282° 27'	0.39220622 4	5.296498957
76° 14'	283° 46'	0.38101578 3	5.460305570	76° 54'	283° 6'	0.38667434 6	5.376882492	77° 34'	282° 26'	0.39234825 2	5.294450106
76° 15'	283° 45'	0.38115705 4	5.458207802	76° 55'	283° 5'	0.38681601 0	5.374809668	77° 35'	282° 25'	0.39249029 0	5.292401865
76° 16'	283° 44'	0.38129833 5	5.456110662	76° 56'	283° 4'	0.38695768 4	5.372737464	77° 36'	282° 24'	0.39263233 6	5.290354234
76° 17'	283° 43'	0.38143962 6	5.454014150	76° 57'	283° 3'	0.38709936 7	5.370665878	77° 37'	282° 23'	0.39277439 2	5.288307212
76° 18'	283° 42'	0.38158092 7	5.451918265	76° 58'	283° 2'	0.38724105 9	5.368594911	77° 38'	282° 22'	0.39291645 7	5.286260800
76° 19'	283° 41'	0.38172223 8	5.449823008	76° 59'	283° 1'	0.38738276 1	5.366524562	77° 39'	282° 21'	0.39305853 1	5.284214998
76° 20'	283° 40'	0.38186355 9	5.447728378	77° 0'	283° 0'	0.38752447 3	5.364454831	77° 40'	282° 20'	0.39320061 4	5.282169805
76° 21'	283° 39'	0.38200489 0	5.445634375	77° 1'	282° 59'	0.38766619 4	5.362385718	77° 41'	282° 19'	0.39334270 6	5.280125220
76° 22'	283° 38'	0.38214623 1	5.443540999	77° 2'	282° 58'	0.38780792 5	5.360317223	77° 42'	282° 18'	0.39348480 7	5.278081244
76° 23'	283° 37'	0.38228758 2	5.441448249	77° 3'	282° 57'	0.38794966 5	5.358249345	77° 43'	282° 17'	0.39362691 7	5.276037877
76° 24'	283° 36'	0.38242894 3	5.439356125	77° 4'	282° 56'	0.38809141 4	5.356182084	77° 44'	282° 16'	0.39376903 6	5.273995118
76° 25'	283° 35'	0.38257031 4	5.437264628	77° 5'	282° 55'	0.38823317 3	5.354115440	77° 45'	282° 15'	0.39391116 4	5.271952967
76° 26'	283° 34'	0.38271169 5	5.435173756	77° 6'	282° 54'	0.38837494 2	5.352049412	77° 46'	282° 14'	0.39405330 1	5.269911423
76° 27'	283° 33'	0.38285308 6	5.433083510	77° 7'	282° 53'	0.38851672 0	5.349984001	77° 47'	282° 13'	0.39419544 7	5.267870488
76° 28'	283° 32'	0.38299448 7	5.430993889	77° 8'	282° 52'	0.38865850 7	5.347919207	77° 48'	282° 12'	0.39433760 2	5.265830159
76° 29'	283° 31'	0.38313589 8	5.428904894	77° 9'	282° 51'	0.38880030 4	5.345855028	77° 49'	282° 11'	0.39447976 6	5.263790438
76° 30'	283° 30'	0.38327731 8	5.426816523	77° 10'	282° 50'	0.38894211 1	5.343791465	77° 50'	282° 10'	0.39462193 8	5.261751323
76° 31'	283° 29'	0.38341874 8	5.424728777	77° 11'	282° 49'	0.38908392 6	5.341728517	77° 51'	282° 9'	0.39476412 0	5.259712816
76° 32'	283° 28'	0.38356018 9	5.422641655	77° 12'	282° 48'	0.38922575 1	5.339666185	77° 52'	282° 8'	0.39490631 1	5.257674915
76° 33'	283° 27'	0.38370163 9	5.420555157	77° 13'	282° 47'	0.38936758 6	5.337604468	77° 53'	282° 7'	0.39504851 0	5.255637620
76° 34'	283° 26'	0.38384309 9	5.418469284	77° 14'	282° 46'	0.38950942 9	5.335543366	77° 54'	282° 6'	0.39519071 9	5.253600931
76° 35'	283° 25'	0.38398456 9	5.416384034	77° 15'	282° 45'	0.38965128 2	5.333482879	77° 55'	282° 5'	0.39533293 6	5.251564848
76° 36'	283° 24'	0.38412604 8	5.414299408	77° 16'	282° 44'	0.38979314 5	5.331423006	77° 56'	282° 4'	0.39547516 2	5.249529370
76° 37'	283° 23'	0.38426753 8	5.412215405	77° 17'	282° 43'	0.38993501 7	5.329363747	77° 57'	282° 3'	0.39561739 7	5.247494498
76° 38'	283° 22'	0.38440903 7	5.410132025	77° 18'	282° 42'	0.39007689 8	5.327305102	77° 58'	282° 2'	0.39575964 1	5.245460231
76° 39'	283° 21'	0.38455054 6	5.408049268	77° 19'	282° 41'	0.39021878 8	5.325247071	77° 59'	282° 1'	0.39590189 3	5.243426569



78° 0'	282° 0'	0.39604415 5	5.241393512	78° 40'	281° 20'	0.40174169 5	5.160564623	79° 20'	280° 40'	0.40745253 8	5.080689270
78° 1'	281° 59'	0.39618642 5	5.239361059	78° 41'	281° 19'	0.40188430 7	5.158556175	79° 21'	280° 39'	0.40759547 3	5.078704487
78° 2'	281° 58'	0.39632870 4	5.237329211	78° 42'	281° 18'	0.40202692 8	5.156548322	79° 22'	280° 38'	0.40773841 6	5.076720292
78° 3'	281° 57'	0.39647099 2	5.235297966	78° 43'	281° 17'	0.40216955 7	5.154541064	79° 23'	280° 37'	0.40788136 6	5.074736683
78° 4'	281° 56'	0.39661328 8	5.233267326	78° 44'	281° 16'	0.40231219 4	5.152534402	79° 24'	280° 36'	0.40802432 5	5.072753662
78° 5'	281° 55'	0.39675559 3	5.231237289	78° 45'	281° 15'	0.40245483 9	5.150528335	79° 25'	280° 35'	0.40816729 1	5.070771227
78° 6'	281° 54'	0.39689790 7	5.229207855	78° 46'	281° 14'	0.40259749 3	5.148522863	79° 26'	280° 34'	0.40831026 5	5.068789379
78° 7'	281° 53'	0.39704023 0	5.227179025	78° 47'	281° 13'	0.40274015 4	5.146517986	79° 27'	280° 33'	0.40845324 6	5.066808117
78° 8'	281° 52'	0.39718256 1	5.225150798	78° 48'	281° 12'	0.40288282 4	5.144513703	79° 28'	280° 32'	0.40859623 5	5.064827442
78° 9'	281° 51'	0.39732490 2	5.223123174	78° 49'	281° 11'	0.40302550 3	5.142510014	79° 29'	280° 31'	0.40873923 2	5.062847352
78° 10'	281° 50'	0.39746725 0	5.221096152	78° 50'	281° 10'	0.40316818 9	5.140506919	79° 30'	280° 30'	0.40888223 7	5.060867848
78° 11'	281° 49'	0.39760960 8	5.219069732	78° 51'	281° 9'	0.40331088 4	5.138504418	79° 31'	280° 29'	0.40902525 0	5.058888930
78° 12'	281° 48'	0.39775197 4	5.217043915	78° 52'	281° 8'	0.40345358 7	5.136502511	79° 32'	280° 28'	0.40916827 0	5.056910597
78° 13'	281° 47'	0.39789434 9	5.215018699	78° 53'	281° 7'	0.40359629 8	5.134501197	79° 33'	280° 27'	0.40931129 8	5.054932849
78° 14'	281° 46'	0.39803673 2	5.212994085	78° 54'	281° 6'	0.40373901 7	5.132500477	79° 34'	280° 26'	0.40945433 3	5.052955686
78° 15'	281° 45'	0.39817912 4	5.210970073	78° 55'	281° 5'	0.40388174 4	5.130500349	79° 35'	280° 25'	0.40959737 7	5.050979108
78° 16'	281° 44'	0.39832152 5	5.208946662	78° 56'	281° 4'	0.40402447 9	5.128500814	79° 36'	280° 24'	0.40974042 7	5.049003114
78° 17'	281° 43'	0.39846393 4	5.206923852	78° 57'	281° 3'	0.40416722 3	5.126501872	79° 37'	280° 23'	0.40988348 6	5.047027704
78° 18'	281° 42'	0.39860635 2	5.204901643	78° 58'	281° 2'	0.40430997 5	5.124503522	79° 38'	280° 22'	0.41002655 2	5.045052879
78° 19'	281° 41'	0.39874877 9	5.202880035	78° 59'	281° 1'	0.40445273 4	5.122505764	79° 39'	280° 21'	0.41016962 6	5.043078637
78° 20'	281° 40'	0.39889121 4	5.200859027	79° 0'	281° 0'	0.40459550 2	5.120508598	79° 40'	280° 20'	0.41031270 7	5.041104980
78° 21'	281° 39'	0.39903365 7	5.198838619	79° 1'	280° 59'	0.40473827 8	5.118512024	79° 41'	280° 19'	0.41045579 6	5.039131905
78° 22'	281° 38'	0.39917611 0	5.196818811	79° 2'	280° 58'	0.40488106 2	5.116516042	79° 42'	280° 18'	0.41059889 2	5.037159414
78° 23'	281° 37'	0.39931857 0	5.194799603	79° 3'	280° 57'	0.40502385 4	5.114520651	79° 43'	280° 17'	0.41074199 7	5.035187506
78° 24'	281° 36'	0.39946103 9	5.192780994	79° 4'	280° 56'	0.40516665 4	5.112525851	79° 44'	280° 16'	0.41088510 8	5.033216181
78° 25'	281° 35'	0.39960351 7	5.190762985	79° 5'	280° 55'	0.40530946 2	5.110531641	79° 45'	280° 15'	0.41102822 7	5.031245439
78° 26'	281° 34'	0.39974600 3	5.188745575	79° 6'	280° 54'	0.40545227 9	5.108538023	79° 46'	280° 14'	0.41117135 4	5.029275279
78° 27'	281° 33'	0.39988849 8	5.186728764	79° 7'	280° 53'	0.40559510 3	5.106544995	79° 47'	280° 13'	0.41131448 8	5.027305702
78° 28'	281° 32'	0.40003100 1	5.184712551	79° 8'	280° 52'	0.40573793 5	5.104552557	79° 48'	280° 12'	0.41145763 0	5.025336706
78° 29'	281° 31'	0.40017351 3	5.182696937	79° 9'	280° 51'	0.40588077 5	5.102560709	79° 49'	280° 11'	0.41160077 9	5.023368292
78° 30'	281° 30'	0.40031603 3	5.180681922	79° 10'	280° 50'	0.40602362 3	5.100569452	79° 50'	280° 10'	0.41174393 6	5.021400460
78° 31'	281° 29'	0.40045856 1	5.178667504	79° 11'	280° 49'	0.40616647 9	5.098578783	79° 51'	280° 9'	0.41188710 0	5.019433210
78° 32'	281° 28'	0.40060109 8	5.176653684	79° 12'	280° 48'	0.40630934 3	5.096588705	79° 52'	280° 8'	0.41203027 1	5.017466541
78° 33'	281° 27'	0.40074364 4	5.174640462	79° 13'	280° 47'	0.40645221 5	5.094599215	79° 53'	280° 7'	0.41217345 0	5.015500452
78° 34'	281° 26'	0.40088619 7	5.172627838	79° 14'	280° 46'	0.40659509 4	5.092610315	79° 54'	280° 6'	0.41231663 7	5.013534945
78° 35'	281° 25'	0.40102875 9	5.170615810	79° 15'	280° 45'	0.40673798 2	5.090622003	79° 55'	280° 5'	0.41245983 1	5.011570018
78° 36'	281° 24'	0.40117133 0	5.168604380	79° 16'	280° 44'	0.40688087 8	5.088634280	79° 56'	280° 4'	0.41260303 2	5.009605672
78° 37'	281° 23'	0.40131390 9	5.166593546	79° 17'	280° 43'	0.40702378 1	5.086647146	79° 57'	280° 3'	0.41274624 1	5.007641906
78° 38'	281° 22'	0.40145649 6	5.164583309	79° 18'	280° 42'	0.40716669 2	5.084660599	79° 58'	280° 2'	0.41288945 7	5.005678720
78° 39'	281° 21'	0.40159909 1	5.162573668	79° 19'	280° 41'	0.40730961 1	5.082674641	79° 59'	280° 1'	0.41303268 0	5.003716114

80° 0'	280° 0'	0.41317591 1	5.001754088	80° 40'	279° 20'	0.41891103 8	4.923746051	81° 20'	278° 40'	0.42465714 4	4.846652467
80° 1'	279° 59'	0.41331914 9	4.999792641	80° 41'	279° 19'	0.41905456 1	4.921807619	81° 21'	278° 39'	0.42480093 0	4.844736736
80° 2'	279° 58'	0.41346239 5	4.997831773	80° 42'	279° 18'	0.41919808 9	4.919869758	81° 22'	278° 38'	0.42494472 3	4.842821569
80° 3'	279° 57'	0.41360564 8	4.995871484	80° 43'	279° 17'	0.41934162 5	4.917932468	81° 23'	278° 37'	0.42508852 3	4.840906965
80° 4'	279° 56'	0.41374890 8	4.993911774	80° 44'	279° 16'	0.41948516 8	4.915995749	81° 24'	278° 36'	0.42523232 8	4.838992925
80° 5'	279° 55'	0.41389217 5	4.991952643	80° 45'	279° 15'	0.41962871 7	4.914059601	81° 25'	278° 35'	0.42537614 0	4.837079447
80° 6'	279° 54'	0.41403545 0	4.989994090	80° 46'	279° 14'	0.41977227 3	4.912124023	81° 26'	278° 34'	0.42551995 8	4.835166532
80° 7'	279° 53'	0.41417873 2	4.988036116	80° 47'	279° 13'	0.41991583 6	4.910189016	81° 27'	278° 33'	0.42566378 3	4.833254180
80° 8'	279° 52'	0.41432202 1	4.986078720	80° 48'	279° 12'	0.42005940 6	4.908254579	81° 28'	278° 32'	0.42580761 4	4.831342390
80° 9'	279° 51'	0.41446531 8	4.984121901	80° 49'	279° 11'	0.42020298 3	4.906320711	81° 29'	278° 31'	0.42595145 1	4.829431163
80° 10'	279° 50'	0.41460862 1	4.982165660	80° 50'	279° 10'	0.42034656 6	4.904387414	81° 30'	278° 30'	0.42609529 4	4.827520497
80° 11'	279° 49'	0.41475193 2	4.980209996	80° 51'	279° 9'	0.42049015 6	4.902454686	81° 31'	278° 29'	0.42623914 4	4.825610394
80° 12'	279° 48'	0.41489525 0	4.978254910	80° 52'	279° 8'	0.42063375 3	4.900522528	81° 32'	278° 28'	0.42638300 0	4.823700852
80° 13'	279° 47'	0.41503857 6	4.976300401	80° 53'	279° 7'	0.42077735 6	4.898590938	81° 33'	278° 27'	0.42652686 2	4.821791872
80° 14'	279° 46'	0.41518190 8	4.974346469	80° 54'	279° 6'	0.42092096 6	4.896659918	81° 34'	278° 26'	0.42667073 0	4.819883453
80° 15'	279° 45'	0.41532524 8	4.972393113	80° 55'	279° 5'	0.42106458 3	4.894729466	81° 35'	278° 25'	0.42681460 5	4.817975595
80° 16'	279° 44'	0.41546859 5	4.970440334	80° 56'	279° 4'	0.42120820 7	4.892799583	81° 36'	278° 24'	0.42695848 6	4.816068298
80° 17'	279° 43'	0.41561194 9	4.968488131	80° 57'	279° 3'	0.42135183 7	4.890870269	81° 37'	278° 23'	0.42710237 3	4.814161562
80° 18'	279° 42'	0.41575531 0	4.966536504	80° 58'	279° 2'	0.42149547 4	4.888941522	81° 38'	278° 22'	0.42724626 6	4.812255386
80° 19'	279° 41'	0.41589867 9	4.964585453	80° 59'	279° 1'	0.42163911 7	4.887013344	81° 39'	278° 21'	0.42739016 5	4.810349771
80° 20'	279° 40'	0.41604205 4	4.962634977	81° 0'	279° 0'	0.42178276 7	4.885085733	81° 40'	278° 20'	0.42753407 0	4.808444716
80° 21'	279° 39'	0.41618543 7	4.960685077	81° 1'	278° 59'	0.42192642 4	4.883158690	81° 41'	278° 19'	0.42767798 2	4.806540221
80° 22'	279° 38'	0.41632882 6	4.958735752	81° 2'	278° 58'	0.42207008 8	4.881232215	81° 42'	278° 18'	0.42782190 0	4.804636285
80° 23'	279° 37'	0.41647222 3	4.956787003	81° 3'	278° 57'	0.42221375 8	4.879306307	81° 43'	278° 17'	0.42796582 3	4.802732910
80° 24'	279° 36'	0.41661562 7	4.954838828	81° 4'	278° 56'	0.42235743 4	4.877380965	81° 44'	278° 16'	0.42810975 3	4.800830093
80° 25'	279° 35'	0.41675903 7	4.952891228	81° 5'	278° 55'	0.42250111 7	4.875456191	81° 45'	278° 15'	0.42825368 9	4.798927836
80° 26'	279° 34'	0.41690245 5	4.950944202	81° 6'	278° 54'	0.42264480 7	4.873531983	81° 46'	278° 14'	0.42839763 1	4.797026138
80° 27'	279° 33'	0.41704588 0	4.948997751	81° 7'	278° 53'	0.42278850 3	4.871608342	81° 47'	278° 13'	0.42854157 9	4.795124999
80° 28'	279° 32'	0.41718931 2	4.947051873	81° 8'	278° 52'	0.42293220 6	4.869685267	81° 48'	278° 12'	0.42868553 3	4.793224419
80° 29'	279° 31'	0.41733275 1	4.945106570	81° 9'	278° 51'	0.42307591 5	4.867762758	81° 49'	278° 11'	0.42882949 3	4.791324397
80° 30'	279° 30'	0.41747619 7	4.943161840	81° 10'	278° 50'	0.42321963 1	4.865840815	81° 50'	278° 10'	0.42897345 9	4.789424933
80° 31'	279° 29'	0.41761965 0	4.941217684	81° 11'	278° 49'	0.42336335 3	4.863919438	81° 51'	278° 9'	0.42911743 2	4.787526028
80° 32'	279° 28'	0.41776311 0	4.939274101	81° 12'	278° 48'	0.42350708 2	4.861998626	81° 52'	278° 8'	0.42926141 0	4.785627680
80° 33'	279° 27'	0.41790657 7	4.937331091	81° 13'	278° 47'	0.42365081 7	4.860078380	81° 53'	278° 7'	0.42940539 4	4.783729890
80° 34'	279° 26'	0.41805005 1	4.935388654	81° 14'	278° 46'	0.42379455 9	4.858158698	81° 54'	278° 6'	0.42954938 4	4.781832658
80° 35'	279° 25'	0.41819353 1	4.933446789	81° 15'	278° 45'	0.42393830 7	4.856239582	81° 55'	278° 5'	0.42969338 0	4.779935983
80° 36'	279° 24'	0.41833701 9	4.931505497	81° 16'	278° 44'	0.42408206 1	4.854321030	81° 56'	278° 4'	0.42983738 2	4.778039865
80° 37'	279° 23'	0.41848051 3	4.929564778	81° 17'	278° 43'	0.42422582 2	4.852403043	81° 57'	278° 3'	0.42998139 0	4.776144304
80° 38'	279° 22'	0.41862401 5	4.927624630	81° 18'	278° 42'	0.42436959 0	4.850485620	81° 58'	278° 2'	0.43012540 4	4.774249300
80° 39'	279° 21'	0.41876752 3	4.925685055	81° 19'	278° 41'	0.42451336 4	4.848568762	81° 59'	278° 1'	0.43026942 4	4.772354853

82° 0'	278° 0'	0.43041345 0	4.770460962	82° 40'	277° 20'	0.43617917 6	4.695159470	83° 20'	276° 40'	0.44195354 3	4.620736226
82° 1'	277° 59'	0.43055748 1	4.768567627	82° 41'	277° 19'	0.43632343 3	4.693288233	83° 21'	276° 39'	0.44209800 6	4.618886798
82° 2'	277° 58'	0.43070151 9	4.766674848	82° 42'	277° 18'	0.43646769 6	4.691417546	83° 22'	276° 38'	0.44224247 4	4.617037911
82° 3'	277° 57'	0.43084556 2	4.764782625	82° 43'	277° 17'	0.43661196 4	4.689547407	83° 23'	276° 37'	0.44238694 7	4.615189566
82° 4'	277° 56'	0.43098961 1	4.762890958	82° 44'	277° 16'	0.43675623 7	4.687677816	83° 24'	276° 36'	0.44253142 5	4.613341761
82° 5'	277° 55'	0.43113366 6	4.760999847	82° 45'	277° 15'	0.43690051 5	4.685808773	83° 25'	276° 35'	0.44267590 7	4.611494498
82° 6'	277° 54'	0.43127772 7	4.759109290	82° 46'	277° 14'	0.43704479 9	4.683940279	83° 26'	276° 34'	0.44282039 5	4.609647776
82° 7'	277° 53'	0.43142179 4	4.757219289	82° 47'	277° 13'	0.43718908 9	4.682072332	83° 27'	276° 33'	0.44296488 7	4.607801594
82° 8'	277° 52'	0.43156586 6	4.755329843	82° 48'	277° 12'	0.43733338 3	4.680204933	83° 28'	276° 32'	0.44310938 4	4.605955953
82° 9'	277° 51'	0.43170994 4	4.753440951	82° 49'	277° 11'	0.43747768 3	4.678338081	83° 29'	276° 31'	0.44325388 6	4.604110852
82° 10'	277° 50'	0.43185402 8	4.751552615	82° 50'	277° 10'	0.43762198 8	4.676471776	83° 30'	276° 30'	0.44339839 3	4.602266291
82° 11'	277° 49'	0.43199811 8	4.749664832	82° 51'	277° 9'	0.43776629 9	4.674606019	83° 31'	276° 29'	0.44354290 5	4.600422270
82° 12'	277° 48'	0.43214221 4	4.747777604	82° 52'	277° 8'	0.43791061 4	4.672740808	83° 32'	276° 28'	0.44368742 1	4.598578789
82° 13'	277° 47'	0.43228631 5	4.745890929	82° 53'	277° 7'	0.43805493 5	4.670876145	83° 33'	276° 27'	0.44383194 2	4.596735847
82° 14'	277° 46'	0.43243042 2	4.744004809	82° 54'	277° 6'	0.43819926 2	4.669012027	83° 34'	276° 26'	0.44397646 8	4.594893445
82° 15'	277° 45'	0.43257453 5	4.742119242	82° 55'	277° 5'	0.43834359 3	4.667148456	83° 35'	276° 25'	0.44412099 9	4.593051582
82° 16'	277° 44'	0.43271865 3	4.740234229	82° 56'	277° 4'	0.43848793 0	4.665285432	83° 36'	276° 24'	0.44426553 4	4.591210259
82° 17'	277° 43'	0.43286277 7	4.738349769	82° 57'	277° 3'	0.43863227 2	4.663422953	83° 37'	276° 23'	0.44441007 4	4.589369474
82° 18'	277° 42'	0.43300690 7	4.736465862	82° 58'	277° 2'	0.43877661 9	4.661561020	83° 38'	276° 22'	0.44455461 9	4.587529228
82° 19'	277° 41'	0.43315104 3	4.734582508	82° 59'	277° 1'	0.43892097 1	4.659699633	83° 39'	276° 21'	0.44469916 8	4.585689520
82° 20'	277° 40'	0.43329518 4	4.732699706	83° 0'	277° 0'	0.43906532 8	4.657838791	83° 40'	276° 20'	0.44484372 2	4.583850351
82° 21'	277° 39'	0.43343933 1	4.730817457	83° 1'	276° 59'	0.43920969 1	4.655978494	83° 41'	276° 19'	0.44498828 1	4.582011720
82° 22'	277° 38'	0.43358348 3	4.728935761	83° 2'	276° 58'	0.43935405 9	4.654118743	83° 42'	276° 18'	0.44513284 4	4.580173627
82° 23'	277° 37'	0.43372764 1	4.727054617	83° 3'	276° 57'	0.43949843 1	4.652259537	83° 43'	276° 17'	0.44527741 3	4.578336072
82° 24'	277° 36'	0.43387180 5	4.725174024	83° 4'	276° 56'	0.43964280 9	4.650400875	83° 44'	276° 16'	0.44542198 5	4.576499054
82° 25'	277° 35'	0.43401597 4	4.723293984	83° 5'	276° 55'	0.43978719 2	4.648542758	83° 45'	276° 15'	0.44556656 3	4.574662574
82° 26'	277° 34'	0.43416014 9	4.721414495	83° 6'	276° 54'	0.43993158 1	4.646685185	83° 46'	276° 14'	0.44571114 5	4.572826631
82° 27'	277° 33'	0.43430432 9	4.719535558	83° 7'	276° 53'	0.44007597 4	4.644828156	83° 47'	276° 13'	0.44585573 1	4.570991226
82° 28'	277° 32'	0.43444851 5	4.717657172	83° 8'	276° 52'	0.44022037 2	4.642971672	83° 48'	276° 12'	0.44600032 2	4.569156357
82° 29'	277° 31'	0.43459270 7	4.715779337	83° 9'	276° 51'	0.44036477 6	4.641115731	83° 49'	276° 11'	0.44614491 8	4.567322026
82° 30'	277° 30'	0.43473690 4	4.713902052	83° 10'	276° 50'	0.44050918 4	4.639260334	83° 50'	276° 10'	0.44628951 8	4.565488231
82° 31'	277° 29'	0.43488110 6	4.712025319	83° 11'	276° 49'	0.44065359 7	4.637405480	83° 51'	276° 9'	0.44643412 3	4.563654972
82° 32'	277° 28'	0.43502531 5	4.710149136	83° 12'	276° 48'	0.44079801 6	4.635551170	83° 52'	276° 8'	0.44657873 2	4.561822250
82° 33'	277° 27'	0.43516952 8	4.708273503	83° 13'	276° 47'	0.44094243 9	4.633697403	83° 53'	276° 7'	0.44672334 6	4.559990063
82° 34'	277° 26'	0.43531374 7	4.706398421	83° 14'	276° 46'	0.44108686 8	4.631844179	83° 54'	276° 6'	0.44686796 4	4.558158413
82° 35'	277° 25'	0.43545797 2	4.704523889	83° 15'	276° 45'	0.44123130 1	4.629991498	83° 55'	276° 5'	0.44701258 7	4.556327299
82° 36'	277° 24'	0.43560220 2	4.702649906	83° 16'	276° 44'	0.44137574 0	4.628139359	83° 56'	276° 4'	0.44715721 4	4.554496720
82° 37'	277° 23'	0.43574643 7	4.700776473	83° 17'	276° 43'	0.44152018 3	4.626287763	83° 57'	276° 3'	0.44730184 6	4.552666676
82° 38'	277° 22'	0.43589067 8	4.698903589	83° 18'	276° 42'	0.44166463 1	4.624436708	83° 58'	276° 2'	0.44744648 3	4.550837168
82° 39'	277° 21'	0.43603492 4	4.697031255	83° 19'	276° 41'	0.44180908 5	4.622586196	83° 59'	276° 1'	0.44759112 3	4.549008194

84° 0'	276° 0'	0.44773576 8	4.547179756	84° 40'	275° 20'	0.45352507 0	4.474478865	85° 20'	274° 40'	0.45932066 3	4.402622630
84° 1'	275° 59'	0.44788041 8	4.545351853	84° 41'	275° 19'	0.45366988 6	4.472672210	85° 21'	274° 39'	0.45946562 6	4.400836954
84° 2'	275° 58'	0.44802507 2	4.543524483	84° 42'	275° 18'	0.45381470 6	4.470866082	85° 22'	274° 38'	0.45961059 3	4.399051799
84° 3'	275° 57'	0.44816973 0	4.541697649	84° 43'	275° 17'	0.45395953 1	4.469060482	85° 23'	274° 37'	0.45975556 4	4.397267164
84° 4'	275° 56'	0.44831439 3	4.539871348	84° 44'	275° 16'	0.45410435 9	4.467255410	85° 24'	274° 36'	0.45990053 8	4.395483051
84° 5'	275° 55'	0.44845906 0	4.538045582	84° 45'	275° 15'	0.45424919 1	4.465450864	85° 25'	274° 35'	0.46004551 5	4.393699457
84° 6'	275° 54'	0.44860373 2	4.536220349	84° 46'	275° 14'	0.45439402 7	4.463646846	85° 26'	274° 34'	0.46019049 6	4.391916385
84° 7'	275° 53'	0.44874840 7	4.534395650	84° 47'	275° 13'	0.45453886 6	4.461843355	85° 27'	274° 33'	0.46033548 0	4.390133832
84° 8'	275° 52'	0.44889308 8	4.532571485	84° 48'	275° 12'	0.45468371 0	4.460040390	85° 28'	274° 32'	0.46048046 7	4.388351800
84° 9'	275° 51'	0.44903777 2	4.530747853	84° 49'	275° 11'	0.45482855 7	4.458237952	85° 29'	274° 31'	0.46062545 8	4.386570287
84° 10'	275° 50'	0.44918246 1	4.528924754	84° 50'	275° 10'	0.45497340 9	4.456436040	85° 30'	274° 30'	0.46077045 2	4.384789295
84° 11'	275° 49'	0.44932715 4	4.527102188	84° 51'	275° 9'	0.45511826 4	4.454634655	85° 31'	274° 29'	0.46091545 0	4.383008822
84° 12'	275° 48'	0.44947185 1	4.525280155	84° 52'	275° 8'	0.45526312 3	4.452833795	85° 32'	274° 28'	0.46106045 0	4.381228868
84° 13'	275° 47'	0.44961655 3	4.523458655	84° 53'	275° 7'	0.45540798 5	4.451033462	85° 33'	274° 27'	0.46120545 4	4.379449434
84° 14'	275° 46'	0.44976125 9	4.521637687	84° 54'	275° 6'	0.45555285 2	4.449233654	85° 34'	274° 26'	0.46135046 2	4.377670518
84° 15'	275° 45'	0.44990596 9	4.519817251	84° 55'	275° 5'	0.45569772 2	4.447434372	85° 35'	274° 25'	0.46149547 2	4.375892122
84° 16'	275° 44'	0.45005068 4	4.517997348	84° 56'	275° 4'	0.45584259 6	4.445635615	85° 36'	274° 24'	0.46164048 6	4.374114244
84° 17'	275° 43'	0.45019540 2	4.516177976	84° 57'	275° 3'	0.45598747 3	4.443837383	85° 37'	274° 23'	0.46178550 3	4.372336886
84° 18'	275° 42'	0.45034012 5	4.514359137	84° 58'	275° 2'	0.45613235 5	4.442039677	85° 38'	274° 22'	0.46193052 3	4.370560045
84° 19'	275° 41'	0.45048485 2	4.512540829	84° 59'	275° 1'	0.45627724 0	4.440242495	85° 39'	274° 21'	0.46207554 7	4.368783723
84° 20'	275° 40'	0.45062958 3	4.510723052	85° 0'	275° 0'	0.45642212 9	4.438445838	85° 40'	274° 20'	0.46222057 4	4.367007919
84° 21'	275° 39'	0.45077431 9	4.508905807	85° 1'	274° 59'	0.45656702 1	4.436649705	85° 41'	274° 19'	0.46236560 3	4.365232633
84° 22'	275° 38'	0.45091905 8	4.507089093	85° 2'	274° 58'	0.45671191 7	4.434854097	85° 42'	274° 18'	0.46251063 7	4.363457864
84° 23'	275° 37'	0.45106380 2	4.505272909	85° 3'	274° 57'	0.45685681 7	4.433059013	85° 43'	274° 17'	0.46265567 3	4.361683614
84° 24'	275° 36'	0.45120855 0	4.503457257	85° 4'	274° 56'	0.45700172 1	4.431264453	85° 44'	274° 16'	0.46280071 2	4.359909881
84° 25'	275° 35'	0.45135330 2	4.501642135	85° 5'	274° 55'	0.45714662 8	4.429470417	85° 45'	274° 15'	0.46294575 5	4.358136665
84° 26'	275° 34'	0.45149805 8	4.499827544	85° 6'	274° 54'	0.45729153 8	4.427676905	85° 46'	274° 14'	0.46309080 1	4.356363966
84° 27'	275° 33'	0.45164281 9	4.498013482	85° 7'	274° 53'	0.45743645 3	4.425883916	85° 47'	274° 13'	0.46323584 9	4.354591784
84° 28'	275° 32'	0.45178758 3	4.496199951	85° 8'	274° 52'	0.45758137 1	4.424091451	85° 48'	274° 12'	0.46338090 1	4.352820119
84° 29'	275° 31'	0.45193235 1	4.494386950	85° 9'	274° 51'	0.45772629 2	4.422299509	85° 49'	274° 11'	0.46352595 6	4.351048971
84° 30'	275° 30'	0.45207712 4	4.492574479	85° 10'	274° 50'	0.45787121 7	4.420508090	85° 50'	274° 10'	0.46367101 5	4.349278340
84° 31'	275° 29'	0.45222190 0	4.490762537	85° 11'	274° 49'	0.45801614 6	4.418717194	85° 51'	274° 9'	0.46381607 6	4.347508224
84° 32'	275° 28'	0.45236668 1	4.488951125	85° 12'	274° 48'	0.45816107 8	4.416926820	85° 52'	274° 8'	0.46396114 0	4.345738625
84° 33'	275° 27'	0.45251146 5	4.487140242	85° 13'	274° 47'	0.45830601 4	4.415136969	85° 53'	274° 7'	0.46410620 7	4.343969542
84° 34'	275° 26'	0.45265625 4	4.485329888	85° 14'	274° 46'	0.45845095 3	4.413347641	85° 54'	274° 6'	0.46425127 8	4.342200975
84° 35'	275° 25'	0.45280104 7	4.483520063	85° 15'	274° 45'	0.45859589 6	4.411558834	85° 55'	274° 5'	0.46439635 1	4.340432923
84° 36'	275° 24'	0.45294584 3	4.481710766	85° 16'	274° 44'	0.45874084 3	4.409770550	85° 56'	274° 4'	0.46454142 8	4.338665387
84° 37'	275° 23'	0.45309064 4	4.479901998	85° 17'	274° 43'	0.45888579 2	4.407982788	85° 57'	274° 3'	0.46468650 7	4.336898366
84° 38'	275° 22'	0.45323544 9	4.478093759	85° 18'	274° 42'	0.45903074 6	4.406195547	85° 58'	274° 2'	0.46483158 9	4.335131861
84° 39'	275° 21'	0.45338025 7	4.476286048	85° 19'	274° 41'	0.45917570 2	4.404408828	85° 59'	274° 1'	0.46497667 5	4.333365870

86° 0'	274° 0'	0.46512176 3	4.331600395	86° 40'	273° 20'	0.47092758 6	4.261401756	87° 20'	272° 40'	0.47673734 4	4.192016560
86° 1'	273° 59'	0.46526685 4	4.329835434	86° 41'	273° 19'	0.47107278 5	4.259657254	87° 21'	272° 39'	0.47688263 1	4.190292266
86° 2'	273° 58'	0.46541194 9	4.328070988	86° 42'	273° 18'	0.47121798 7	4.257913260	87° 22'	272° 38'	0.47702792 1	4.188568474
86° 3'	273° 57'	0.46555704 6	4.326307056	86° 43'	273° 17'	0.47136319 1	4.256169775	87° 23'	272° 37'	0.47717321 3	4.186845184
86° 4'	273° 56'	0.46570214 6	4.324543639	86° 44'	273° 16'	0.47150839 7	4.254426797	87° 24'	272° 36'	0.47731850 6	4.185122396
86° 5'	273° 55'	0.46584724 9	4.322780735	86° 45'	273° 15'	0.47165360 6	4.252684327	87° 25'	272° 35'	0.47746380 1	4.183400109
86° 6'	273° 54'	0.46599235 5	4.321018346	86° 46'	273° 14'	0.47179881 8	4.250942365	87° 26'	272° 34'	0.47760909 9	4.181678324
86° 7'	273° 53'	0.46613746 3	4.319256470	86° 47'	273° 13'	0.47194403 1	4.249200910	87° 27'	272° 33'	0.47775439 8	4.179957040
86° 8'	273° 52'	0.46628257 5	4.317495108	86° 48'	273° 12'	0.47208924 8	4.247459962	87° 28'	272° 32'	0.47789969 9	4.178236257
86° 9'	273° 51'	0.46642768 9	4.315734259	86° 49'	273° 11'	0.47223446 6	4.245719522	87° 29'	272° 31'	0.47804500 2	4.176515975
86° 10'	273° 50'	0.46657280 7	4.313973924	86° 50'	273° 10'	0.47237968 7	4.243979588	87° 30'	272° 30'	0.47819030 6	4.174796194
86° 11'	273° 49'	0.46671792 7	4.312214102	86° 51'	273° 9'	0.47252491 0	4.242240161	87° 31'	272° 29'	0.47833561 3	4.173076914
86° 12'	273° 48'	0.46686305 0	4.310454792	86° 52'	273° 8'	0.47267013 6	4.240501241	87° 32'	272° 28'	0.47848092 1	4.171358134
86° 13'	273° 47'	0.46700817 6	4.308695996	86° 53'	273° 7'	0.47281536 3	4.238762828	87° 33'	272° 27'	0.47862623 2	4.169639855
86° 14'	273° 46'	0.46715330 4	4.306937712	86° 54'	273° 6'	0.47296059 4	4.237024921	87° 34'	272° 26'	0.47877154 4	4.167922075
86° 15'	273° 45'	0.46729843 5	4.305179941	86° 55'	273° 5'	0.47310582 6	4.235287520	87° 35'	272° 25'	0.47891685 8	4.166204796
86° 16'	273° 44'	0.46744356 9	4.303422682	86° 56'	273° 4'	0.47325106 1	4.233550625	87° 36'	272° 24'	0.47906217 3	4.164488017
86° 17'	273° 43'	0.46758870 6	4.301665935	86° 57'	273° 3'	0.47339629 8	4.231814236	87° 37'	272° 23'	0.47920749 1	4.162771737
86° 18'	273° 42'	0.46773384 6	4.299909700	86° 58'	273° 2'	0.47354153 7	4.230078353	87° 38'	272° 22'	0.47935281 0	4.161055957
86° 19'	273° 41'	0.46787898 8	4.298153977	86° 59'	273° 1'	0.47368677 8	4.228342975	87° 39'	272° 21'	0.47949813 1	4.159340677
86° 20'	273° 40'	0.46802413 3	4.296398766	87° 0'	273° 0'	0.47383202 2	4.226608103	87° 40'	272° 20'	0.47964345 3	4.157625896
86° 21'	273° 39'	0.46816928 1	4.294644067	87° 1'	272° 59'	0.47397726 8	4.224873736	87° 41'	272° 19'	0.47978877 8	4.155911613
86° 22'	273° 38'	0.46831443 1	4.292889878	87° 2'	272° 58'	0.47412251 6	4.223139874	87° 42'	272° 18'	0.47993410 4	4.154197830
86° 23'	273° 37'	0.46845958 4	4.291136201	87° 3'	272° 57'	0.47426776 6	4.221406517	87° 43'	272° 17'	0.48007943 2	4.152484546
86° 24'	273° 36'	0.46860474 0	4.289383035	87° 4'	272° 56'	0.47441301 9	4.219673665	87° 44'	272° 16'	0.48022476 1	4.150771761
86° 25'	273° 35'	0.46874989 9	4.287630380	87° 5'	272° 55'	0.47455827 3	4.217941318	87° 45'	272° 15'	0.48037009 2	4.149059474
86° 26'	273° 34'	0.46889506 0	4.285878236	87° 6'	272° 54'	0.47470353 0	4.216209475	87° 46'	272° 14'	0.48051542 5	4.147347685
86° 27'	273° 33'	0.46904022 3	4.284126602	87° 7'	272° 53'	0.47484878 9	4.214478136	87° 47'	272° 13'	0.48066075 9	4.145636395
86° 28'	273° 32'	0.46918539 0	4.282375479	87° 8'	272° 52'	0.47499405 0	4.212747302	87° 48'	272° 12'	0.48080609 5	4.143925603
86° 29'	273° 31'	0.46933055 9	4.280624866	87° 9'	272° 51'	0.47513931 3	4.211016971	87° 49'	272° 11'	0.48095143 3	4.142215308
86° 30'	273° 30'	0.46947573 0	4.278874763	87° 10'	272° 50'	0.47528457 8	4.209287145	87° 50'	272° 10'	0.48109677 2	4.140505512
86° 31'	273° 29'	0.46962090 4	4.277125170	87° 11'	272° 49'	0.47542984 6	4.207557822	87° 51'	272° 9'	0.48124211 3	4.138796213
86° 32'	273° 28'	0.46976608 1	4.275376087	87° 12'	272° 48'	0.47557511 5	4.205829003	87° 52'	272° 8'	0.48138745 6	4.137087412
86° 33'	273° 27'	0.46991126 0	4.273627513	87° 13'	272° 47'	0.47572038 7	4.204100687	87° 53'	272° 7'	0.48153280 0	4.135379108
86° 34'	273° 26'	0.47005644 2	4.271879449	87° 14'	272° 46'	0.47586566 0	4.202372875	87° 54'	272° 6'	0.48167814 6	4.133671301
86° 35'	273° 25'	0.47020162 6	4.270131895	87° 15'	272° 45'	0.47601093 6	4.200645565	87° 55'	272° 5'	0.48182349 3	4.131963991
86° 36'	273° 24'	0.47034681 3	4.268384849	87° 16'	272° 44'	0.47615621 3	4.198918759	87° 56'	272° 4'	0.48196884 2	4.130257178
86° 37'	273° 23'	0.47049200 3	4.266638313	87° 17'	272° 43'	0.47630149 3	4.197192455	87° 57'	272° 3'	0.48211419 2	4.128550862
86° 38'	273° 22'	0.47063719 4	4.264892285	87° 18'	272° 42'	0.47644677 5	4.195466654	87° 58'	272° 2'	0.48225954 4	4.126845043
86° 39'	273° 21'	0.47078238 9	4.263146766	87° 19'	272° 41'	0.47659205 8	4.193741356	87° 59'	272° 1'	0.48240489 7	4.125139720

88° 0'	272° 0'	0.48255025 2	4.123434893	88° 40'	271° 20'	0.48836552 2	4.055647075	89° 20'	270° 40'	0.49418236 7	3.988643654
88° 1'	271° 59'	0.48269560 8	4.121730562	88° 41'	271° 19'	0.48851092 7	4.053962469	89° 21'	270° 39'	0.49432780 2	3.986978538
88° 2'	271° 58'	0.48284096 6	4.120026727	88° 42'	271° 18'	0.48865633 3	4.052278352	89° 22'	270° 38'	0.49447323 7	3.985313907
88° 3'	271° 57'	0.48298632 5	4.118323389	88° 43'	271° 17'	0.48880174 0	4.050594726	89° 23'	270° 37'	0.49461867 2	3.983649759
88° 4'	271° 56'	0.48313168 5	4.116620546	88° 44'	271° 16'	0.48894714 8	4.048911589	89° 24'	270° 36'	0.49476410 8	3.981986096
88° 5'	271° 55'	0.48327704 7	4.114918198	88° 45'	271° 15'	0.48909255 7	4.047228942	89° 25'	270° 35'	0.49490954 4	3.980322917
88° 6'	271° 54'	0.48342241 1	4.113216346	88° 46'	271° 14'	0.48923796 7	4.045546785	89° 26'	270° 34'	0.49505498 1	3.978660221
88° 7'	271° 53'	0.48356777 6	4.111514989	88° 47'	271° 13'	0.48938337 8	4.043865117	89° 27'	270° 33'	0.49520041 8	3.976998009
88° 8'	271° 52'	0.48371314 2	4.109814127	88° 48'	271° 12'	0.48952879 0	4.042183938	89° 28'	270° 32'	0.49534585 6	3.975336281
88° 9'	271° 51'	0.48385850 9	4.108113760	88° 49'	271° 11'	0.48967420 3	4.040503248	89° 29'	270° 31'	0.49549129 4	3.973675036
88° 10'	271° 50'	0.48400387 8	4.106413888	88° 50'	271° 10'	0.48981961 6	4.038823047	89° 30'	270° 30'	0.49563673 2	3.972014274
88° 11'	271° 49'	0.48414924 9	4.104714511	88° 51'	271° 9'	0.48996503 1	4.037143335	89° 31'	270° 29'	0.49578217 1	3.970353995
88° 12'	271° 48'	0.48429462 0	4.103015628	88° 52'	271° 8'	0.49011044 6	4.035464112	89° 32'	270° 28'	0.49592761 0	3.968694199
88° 13'	271° 47'	0.48443999 3	4.101317239	88° 53'	271° 7'	0.49025586 2	4.033785377	89° 33'	270° 27'	0.49607305 0	3.967034885
88° 14'	271° 46'	0.48458536 8	4.099619345	88° 54'	271° 6'	0.49040127 9	4.032107130	89° 34'	270° 26'	0.49621848 9	3.965376055
88° 15'	271° 45'	0.48473074 3	4.097921945	88° 55'	271° 5'	0.49054669 7	4.030429371	89° 35'	270° 25'	0.49636392 9	3.963717707
88° 16'	271° 44'	0.48487612 0	4.096225038	88° 56'	271° 4'	0.49069211 5	4.028752101	89° 36'	270° 24'	0.49650937 0	3.962059841
88° 17'	271° 43'	0.48502149 9	4.094528626	88° 57'	271° 3'	0.49083753 4	4.027075319	89° 37'	270° 23'	0.49665481 1	3.960402457
88° 18'	271° 42'	0.48516687 8	4.092832707	88° 58'	271° 2'	0.49098295 4	4.025399024	89° 38'	270° 22'	0.49680025 2	3.958745556
88° 19'	271° 41'	0.48531225 9	4.091137281	88° 59'	271° 1'	0.49112837 5	4.023723217	89° 39'	270° 21'	0.49694569 3	3.957089136
88° 20'	271° 40'	0.48545764 1	4.089442349	89° 0'	271° 0'	0.49127379 7	4.022047897	89° 40'	270° 20'	0.49709113 4	3.955433198
88° 21'	271° 39'	0.48560302 4	4.087747910	89° 1'	270° 59'	0.49141921 9	4.020373065	89° 41'	270° 19'	0.49723657 6	3.953777742
88° 22'	271° 38'	0.48574840 8	4.086053964	89° 2'	270° 58'	0.49156464 2	4.018698720	89° 42'	270° 18'	0.49738201 8	3.952122767
88° 23'	271° 37'	0.48589379 4	4.084360511	89° 3'	270° 57'	0.49171006 6	4.017024862	89° 43'	270° 17'	0.49752746 0	3.950468274
88° 24'	271° 36'	0.48603918 1	4.082667550	89° 4'	270° 56'	0.49185549 0	4.015351491	89° 44'	270° 16'	0.49767290 3	3.948814261
88° 25'	271° 35'	0.48618456 9	4.080975083	89° 5'	270° 55'	0.49200091 6	4.013678606	89° 45'	270° 15'	0.49781834 5	3.947160730
88° 26'	271° 34'	0.48632995 8	4.079283107	89° 6'	270° 54'	0.49214634 1	4.012006209	89° 46'	270° 14'	0.49796378 8	3.945507680
88° 27'	271° 33'	0.48647534 8	4.077591624	89° 7'	270° 53'	0.49229176 8	4.010334297	89° 47'	270° 13'	0.49810923 1	3.943855111
88° 28'	271° 32'	0.48662074 0	4.075900633	89° 8'	270° 52'	0.49243719 5	4.008662872	89° 48'	270° 12'	0.49825467 4	3.942203022
88° 29'	271° 31'	0.48676613 2	4.074210134	89° 9'	270° 51'	0.49258262 3	4.006991933	89° 49'	270° 11'	0.49840011 8	3.940551413
88° 30'	271° 30'	0.48691152 6	4.072520127	89° 10'	270° 50'	0.49272805 1	4.005321481	89° 50'	270° 10'	0.49854556 1	3.938900286
88° 31'	271° 29'	0.48705692 1	4.070830612	89° 11'	270° 49'	0.49287348 0	4.003651514	89° 51'	270° 9'	0.49869100 5	3.937249638
88° 32'	271° 28'	0.48720231 7	4.069141588	89° 12'	270° 48'	0.49301891 0	4.001982033	89° 52'	270° 8'	0.49883644 8	3.935599470
88° 33'	271° 27'	0.48734771 4	4.067453055	89° 13'	270° 47'	0.49316434 0	4.000313037	89° 53'	270° 7'	0.49898189 2	3.933949783
88° 34'	271° 26'	0.48749311 2	4.065765014	89° 14'	270° 46'	0.49330977 1	3.998644527	89° 54'	270° 6'	0.49912733 6	3.932300575
88° 35'	271° 25'	0.48763851 1	4.064077464	89° 15'	270° 45'	0.49345520 2	3.996976503	89° 55'	270° 5'	0.49927278 0	3.930651846
88° 36'	271° 24'	0.48778391 1	4.062390405	89° 16'	270° 44'	0.49360063 4	3.995308963	89° 56'	270° 4'	0.49941822 4	3.929003598
88° 37'	271° 23'	0.48792931 2	4.060703837	89° 17'	270° 43'	0.49374606 7	3.993641909	89° 57'	270° 3'	0.49956366 8	3.927355829
88° 38'	271° 22'	0.48807471 4	4.059017759	89° 18'	270° 42'	0.49389150 0	3.991975339	89° 58'	270° 2'	0.49970911 2	3.925708539
88° 39'	271° 21'	0.48822011 8	4.057332172	89° 19'	270° 41'	0.49403693 3	3.990309254	89° 59'	270° 1'	0.49985455 6	3.924061728

90° 0'	270° 0'	0.50000000	3.922415396	90° 40'	269° 20'	0.50581763	3.856953281	91° 20'	268° 40'	0.51163447	3.792248498
90° 1'	269° 59'	0.50014544	3.920769543	90° 41'	269° 19'	0.50596306	3.855326468	91° 21'	268° 39'	0.51177988	3.790640506
90° 2'	269° 58'	0.50029088	3.919124168	90° 42'	269° 18'	0.50610850	3.853700127	91° 22'	268° 38'	0.51192528	3.789032983
90° 3'	269° 57'	0.50043633	3.917479272	90° 43'	269° 17'	0.50625393	3.852074260	91° 23'	268° 37'	0.51207068	3.787425927
90° 4'	269° 56'	0.50058177	3.915834855	90° 44'	269° 16'	0.50639936	3.850448866	91° 24'	268° 36'	0.51221608	3.785819339
90° 5'	269° 55'	0.50072722	3.914190915	90° 45'	269° 15'	0.50654479	3.848823945	91° 25'	268° 35'	0.51236148	3.784213219
90° 6'	269° 54'	0.50087266	3.912547454	90° 46'	269° 14'	0.50669022	3.847199496	91° 26'	268° 34'	0.51250688	3.782607565
90° 7'	269° 53'	0.50101810	3.910904471	90° 47'	269° 13'	0.50683566	3.845575520	91° 27'	268° 33'	0.51265228	3.781002379
90° 8'	269° 52'	0.50116355	3.909261966	90° 48'	269° 12'	0.50698109	3.843952016	91° 28'	268° 32'	0.51279768	3.779397660
90° 9'	269° 51'	0.50130899	3.907619939	90° 49'	269° 11'	0.50712652	3.842328985	91° 29'	268° 31'	0.51294307	3.777793407
90° 10'	269° 50'	0.50145443	3.905978389	90° 50'	269° 10'	0.50727194	3.840706425	91° 30'	268° 30'	0.51308847	3.776189621
90° 11'	269° 49'	0.50159988	3.904337316	90° 51'	269° 9'	0.50741737	3.839084337	91° 31'	268° 29'	0.51323386	3.774586302
90° 12'	269° 48'	0.50174532	3.902696721	90° 52'	269° 8'	0.50756280	3.837462722	91° 32'	268° 28'	0.51337926	3.772983450
90° 13'	269° 47'	0.50189076	3.901056603	90° 53'	269° 7'	0.50770823	3.835841578	91° 33'	268° 27'	0.51352465	3.771381064
90° 14'	269° 46'	0.50203621	3.899416962	90° 54'	269° 6'	0.50785365	3.834220905	91° 34'	268° 26'	0.51367004	3.769779144
90° 15'	269° 45'	0.50218165	3.897777798	90° 55'	269° 5'	0.50799908	3.832600704	91° 35'	268° 25'	0.51381543	3.768177690
90° 16'	269° 44'	0.50232709	3.896139111	90° 56'	269° 4'	0.50814451	3.830980974	91° 36'	268° 24'	0.51396081	3.766576702
90° 17'	269° 43'	0.50247254	3.894500900	90° 57'	269° 3'	0.50828993	3.829361716	91° 37'	268° 23'	0.51410620	3.764976180
90° 18'	269° 42'	0.50261798	3.892863166	90° 58'	269° 2'	0.50843535	3.827742928	91° 38'	268° 22'	0.51425159	3.763376123
90° 19'	269° 41'	0.50276342	3.891225908	90° 59'	269° 1'	0.50858078	3.826124612	91° 39'	268° 21'	0.51439697	3.761776532
90° 20'	269° 40'	0.50290886	3.889589126	91° 0'	269° 0'	0.50872620	3.824506766	91° 40'	268° 20'	0.51454235	3.760177407
90° 21'	269° 39'	0.50305430	3.887952820	91° 1'	268° 59'	0.50887162	3.822889390	91° 41'	268° 19'	0.51468774	3.758578747
90° 22'	269° 38'	0.50319974	3.886316990	91° 2'	268° 58'	0.50901704	3.821272485	91° 42'	268° 18'	0.51483312	3.756980552
90° 23'	269° 37'	0.50334518	3.884681636	91° 3'	268° 57'	0.50916246	3.819656051	91° 43'	268° 17'	0.51497850	3.755382822
90° 24'	269° 36'	0.50349063	3.883046758	91° 4'	268° 56'	0.50930788	3.818040087	91° 44'	268° 16'	0.51512388	3.753785557
90° 25'	269° 35'	0.50363607	3.881412355	91° 5'	268° 55'	0.50945330	3.816424592	91° 45'	268° 15'	0.51526925	3.752188756
90° 26'	269° 34'	0.50378151	3.879778428	91° 6'	268° 54'	0.50959872	3.814809568	91° 46'	268° 14'	0.51541463	3.750592421
90° 27'	269° 33'	0.50392695	3.878144976	91° 7'	268° 53'	0.50974413	3.813195014	91° 47'	268° 13'	0.51556000	3.748996550
90° 28'	269° 32'	0.50407239	3.876511999	91° 8'	268° 52'	0.50988955	3.811580929	91° 48'	268° 12'	0.51570538	3.747401143
90° 29'	269° 31'	0.50421782	3.874879496	91° 9'	268° 51'	0.51003496	3.809967314	91° 49'	268° 11'	0.51585075	3.745806200
90° 30'	269° 30'	0.50436326	3.873247469	91° 10'	268° 50'	0.51018038	3.808354168	91° 50'	268° 10'	0.51599612	3.744211722
90° 31'	269° 29'	0.50450870	3.871615916	91° 11'	268° 49'	0.51032579	3.806741491	91° 51'	268° 9'	0.51614149	3.742617707
90° 32'	269° 28'	0.50465414	3.869984838	91° 12'	268° 48'	0.51047121	3.805129284	91° 52'	268° 8'	0.51628685	3.741024157
90° 33'	269° 27'	0.50479958	3.868354235	91° 13'	268° 47'	0.51061662	3.803517546	91° 53'	268° 7'	0.51643222	3.739431070
90° 34'	269° 26'	0.50494501	3.866724105	91° 14'	268° 46'	0.51076203	3.801906276	91° 54'	268° 6'	0.51657758	3.737838447
90° 35'	269° 25'	0.50509045	3.865094450	91° 15'	268° 45'	0.51090744	3.800295475	91° 55'	268° 5'	0.51672295	3.736246287
90° 36'	269° 24'	0.50523589	3.863465269	91° 16'	268° 44'	0.51105285	3.798685143	91° 56'	268° 4'	0.51686831	3.734654590
90° 37'	269° 23'	0.50538132	3.861836561	91° 17'	268° 43'	0.51119826	3.797075279	91° 57'	268° 3'	0.51701367	3.733063357
90° 38'	269° 22'	0.50552676	3.860208328	91° 18'	268° 42'	0.51134366	3.795465884	91° 58'	268° 2'	0.51715903	3.731472587
90° 39'	269° 21'	0.50567219	3.858580568	91° 19'	268° 41'	0.51148907	3.793856957	91° 59'	268° 1'	0.51730439	3.729882280

92° 0'	268° 0'	0.51744974 8	3.728292435	92° 40'	267° 20'	0.52326265 6	3.665076679	93° 20'	266° 40'	0.52907241 4	3.602593006
92° 1'	267° 59'	0.51759510 3	3.726703054	92° 41'	267° 19'	0.52340794 2	3.663505699	93° 21'	266° 39'	0.52921761 1	3.601040224
92° 2'	267° 58'	0.51774045 6	3.725114134	92° 42'	267° 18'	0.52355322 5	3.661935176	93° 22'	266° 38'	0.52936280 6	3.599487894
92° 3'	267° 57'	0.51788580 8	3.723525678	92° 43'	267° 17'	0.52369850 7	3.660365111	93° 23'	266° 37'	0.52950799 7	3.597936017
92° 4'	267° 56'	0.51803115 8	3.721937683	92° 44'	267° 16'	0.52384378 7	3.658795502	93° 24'	266° 36'	0.52965318 7	3.596384592
92° 5'	267° 55'	0.51817650 7	3.720350151	92° 45'	267° 15'	0.52398906 4	3.657226351	93° 25'	266° 35'	0.52979837 4	3.594833618
92° 6'	267° 54'	0.51832185 4	3.718763081	92° 46'	267° 14'	0.52413434 0	3.655657657	93° 26'	266° 34'	0.52994355 8	3.593283097
92° 7'	267° 53'	0.51846720 0	3.717176472	92° 47'	267° 13'	0.52427961 3	3.654089419	93° 27'	266° 33'	0.53008874 0	3.591733028
92° 8'	267° 52'	0.51861254 4	3.715590326	92° 48'	267° 12'	0.52442488 5	3.652521638	93° 28'	266° 32'	0.53023391 9	3.590183410
92° 9'	267° 51'	0.51875788 7	3.714004641	92° 49'	267° 11'	0.52457015 4	3.650954314	93° 29'	266° 31'	0.53037909 6	3.588634244
92° 10'	267° 50'	0.51890322 8	3.712419417	92° 50'	267° 10'	0.52471542 2	3.649387445	93° 30'	266° 30'	0.53052427 0	3.587085529
92° 11'	267° 49'	0.51904856 7	3.710834655	92° 51'	267° 9'	0.52486068 7	3.647821034	93° 31'	266° 29'	0.53066944 1	3.585537265
92° 12'	267° 48'	0.51919390 5	3.709250354	92° 52'	267° 8'	0.52500595 0	3.646255078	93° 32'	266° 28'	0.53081461 0	3.583989453
92° 13'	267° 47'	0.51933924 1	3.707666515	92° 53'	267° 7'	0.52515121 1	3.644689578	93° 33'	266° 27'	0.53095977 7	3.582442091
92° 14'	267° 46'	0.51948457 5	3.706083136	92° 54'	267° 6'	0.52529647 0	3.643124535	93° 34'	266° 26'	0.53110494 0	3.580895181
92° 15'	267° 45'	0.51962990 8	3.704500218	92° 55'	267° 5'	0.52544172 7	3.641559947	93° 35'	266° 25'	0.53125010 1	3.579348721
92° 16'	267° 44'	0.51977523 9	3.702917761	92° 56'	267° 4'	0.52558698 1	3.639995814	93° 36'	266° 24'	0.53139526 0	3.577802712
92° 17'	267° 43'	0.51992056 8	3.701335765	92° 57'	267° 3'	0.52573223 4	3.638432138	93° 37'	266° 23'	0.53154041 6	3.576257154
92° 18'	267° 42'	0.52006589 6	3.699754229	92° 58'	267° 2'	0.52587748 4	3.636868916	93° 38'	266° 22'	0.53168556 9	3.574712045
92° 19'	267° 41'	0.52021122 2	3.698173153	92° 59'	267° 1'	0.52602273 2	3.635306150	93° 39'	266° 21'	0.53183071 9	3.573167388
92° 20'	267° 40'	0.52035654 7	3.696592538	93° 0'	267° 0'	0.52616797 8	3.633743839	93° 40'	266° 20'	0.53197586 7	3.571623180
92° 21'	267° 39'	0.52050186 9	3.695012382	93° 1'	266° 59'	0.52631322 2	3.632181983	93° 41'	266° 19'	0.53212101 2	3.570079422
92° 22'	267° 38'	0.52064719 0	3.693432687	93° 2'	266° 58'	0.52645846 3	3.630620582	93° 42'	266° 18'	0.53226615 4	3.568536115
92° 23'	267° 37'	0.52079250 9	3.691853451	93° 3'	266° 57'	0.52660370 2	3.629059636	93° 43'	266° 17'	0.53241129 4	3.566993257
92° 24'	267° 36'	0.52093782 7	3.690274676	93° 4'	266° 56'	0.52674893 9	3.627499144	93° 44'	266° 16'	0.53255643 1	3.565450849
92° 25'	267° 35'	0.52108314 3	3.688696359	93° 5'	266° 55'	0.52689417 4	3.625939107	93° 45'	266° 15'	0.53270156 5	3.563908890
92° 26'	267° 34'	0.52122845 6	3.687118503	93° 6'	266° 54'	0.52703940 6	3.624379524	93° 46'	266° 14'	0.53284669 6	3.562367381
92° 27'	267° 33'	0.52137376 8	3.685541105	93° 7'	266° 53'	0.52718463 7	3.622820395	93° 47'	266° 13'	0.53299182 4	3.560826321
92° 28'	267° 32'	0.52151907 9	3.683964167	93° 8'	266° 52'	0.52732986 4	3.621261721	93° 48'	266° 12'	0.53313695 0	3.559285710
92° 29'	267° 31'	0.52166438 7	3.682387688	93° 9'	266° 51'	0.52747509 0	3.619703501	93° 49'	266° 11'	0.53328207 3	3.557745549
92° 30'	267° 30'	0.52180969 4	3.680811668	93° 10'	266° 50'	0.52762031 3	3.618145734	93° 50'	266° 10'	0.53342719 3	3.556205836
92° 31'	267° 29'	0.52195499 8	3.679236106	93° 11'	266° 49'	0.52776553 4	3.616588421	93° 51'	266° 9'	0.53357231 1	3.554666572
92° 32'	267° 28'	0.52210030 1	3.677661004	93° 12'	266° 48'	0.52791075 2	3.615031562	93° 52'	266° 8'	0.53371742 5	3.553127757
92° 33'	267° 27'	0.52224560 2	3.676086359	93° 13'	266° 47'	0.52805596 9	3.613475157	93° 53'	266° 7'	0.53386253 7	3.551589390
92° 34'	267° 26'	0.52239090 1	3.674512174	93° 14'	266° 46'	0.52820118 2	3.611919205	93° 54'	266° 6'	0.53400764 5	3.550051472
92° 35'	267° 25'	0.52253619 9	3.672938446	93° 15'	266° 45'	0.52834639 4	3.610363706	93° 55'	266° 5'	0.53415275 1	3.548514003
92° 36'	267° 24'	0.52268149 4	3.671365177	93° 16'	266° 44'	0.52849160 3	3.608808660	93° 56'	266° 4'	0.53429785 4	3.546976981
92° 37'	267° 23'	0.52282678 7	3.669792366	93° 17'	266° 43'	0.52863680 9	3.607254067	93° 57'	266° 3'	0.53444295 4	3.545440408
92° 38'	267° 22'	0.52297207 9	3.668220013	93° 18'	266° 42'	0.52878201 3	3.605699927	93° 58'	266° 2'	0.53458805 1	3.543904282
92° 39'	267° 21'	0.52311736 9	3.666648117	93° 19'	266° 41'	0.52892721 5	3.604146240	93° 59'	266° 1'	0.53473314 6	3.542368604



94° 0'	266° 0'	0.53487823 7	3.540833374	94° 40'	265° 20'	0.54067933 7	3.479789927	95° 20'	264° 40'	0.54647493 0	3.419454978
94° 1'	265° 59'	0.53502332 5	3.539298592	94° 41'	265° 19'	0.54082429 8	3.478272950	95° 21'	264° 39'	0.54661974 3	3.417955617
94° 2'	265° 58'	0.53516841 1	3.537764257	94° 42'	265° 18'	0.54096925 4	3.476756416	95° 22'	264° 38'	0.54676455 1	3.416456693
94° 3'	265° 57'	0.53531349 3	3.536230370	94° 43'	265° 17'	0.54111420 8	3.475240324	95° 23'	264° 37'	0.54690935 6	3.414958208
94° 4'	265° 56'	0.53545857 2	3.534696930	94° 44'	265° 16'	0.54125915 7	3.473724675	95° 24'	264° 36'	0.54705415 7	3.413460160
94° 5'	265° 55'	0.53560364 9	3.533163936	94° 45'	265° 15'	0.54140410 4	3.472209468	95° 25'	264° 35'	0.54719895 3	3.411962550
94° 6'	265° 54'	0.53574872 2	3.531631390	94° 46'	265° 14'	0.54154904 7	3.470694703	95° 26'	264° 34'	0.54734374 6	3.410465377
94° 7'	265° 53'	0.53589379 3	3.530099291	94° 47'	265° 13'	0.54169398 6	3.469180381	95° 27'	264° 33'	0.54748853 5	3.408968642
94° 8'	265° 52'	0.53603886 0	3.528567639	94° 48'	265° 12'	0.54183892 2	3.467666500	95° 28'	264° 32'	0.54763331 9	3.407472344
94° 9'	265° 51'	0.53618392 4	3.527036433	94° 49'	265° 11'	0.54198385 4	3.466153061	95° 29'	264° 31'	0.54777810 0	3.405976483
94° 10'	265° 50'	0.53632898 5	3.525505673	94° 50'	265° 10'	0.54212878 3	3.464640064	95° 30'	264° 30'	0.54792287 6	3.404481060
94° 11'	265° 49'	0.53647404 4	3.523975361	94° 51'	265° 9'	0.54227370 8	3.463127509	95° 31'	264° 29'	0.54806764 9	3.402986073
94° 12'	265° 48'	0.53661909 9	3.522445494	94° 52'	265° 8'	0.54241862 9	3.461615395	95° 32'	264° 28'	0.54821241 7	3.401491523
94° 13'	265° 47'	0.53676415 1	3.520916073	94° 53'	265° 7'	0.54256354 7	3.460103722	95° 33'	264° 27'	0.54835718 1	3.399997410
94° 14'	265° 46'	0.53690919 9	3.519387099	94° 54'	265° 6'	0.54270846 2	3.458592491	95° 34'	264° 26'	0.54850194 2	3.398503733
94° 15'	265° 45'	0.53705424 5	3.517858570	94° 55'	265° 5'	0.54285337 2	3.457081701	95° 35'	264° 25'	0.54864669 8	3.397010493
94° 16'	265° 44'	0.53719928 8	3.516330488	94° 56'	265° 4'	0.54299827 9	3.455571352	95° 36'	264° 24'	0.54879145 0	3.395517690
94° 17'	265° 43'	0.53734432 7	3.514802850	94° 57'	265° 3'	0.54314318 3	3.454061444	95° 37'	264° 23'	0.54893619 8	3.394025322
94° 18'	265° 42'	0.53748936 3	3.513275659	94° 58'	265° 2'	0.54328808 3	3.452551976	95° 38'	264° 22'	0.54908094 2	3.392533391
94° 19'	265° 41'	0.53763439 7	3.511748913	94° 59'	265° 1'	0.54343297 9	3.451042950	95° 39'	264° 21'	0.54922568 1	3.391041896
94° 20'	265° 40'	0.53777942 6	3.510222612	95° 0'	265° 0'	0.54357787 1	3.449534364	95° 40'	264° 20'	0.54937041 7	3.389550836
94° 21'	265° 39'	0.53792445 3	3.508696756	95° 1'	264° 59'	0.54372276 0	3.448026218	95° 41'	264° 19'	0.54951514 8	3.388060213
94° 22'	265° 38'	0.53806947 7	3.507171346	95° 2'	264° 58'	0.54386764 5	3.446518513	95° 42'	264° 18'	0.54965987 5	3.386570025
94° 23'	265° 37'	0.53821449 7	3.505646380	95° 3'	264° 57'	0.54401252 7	3.445011247	95° 43'	264° 17'	0.54980459 8	3.385080272
94° 24'	265° 36'	0.53835951 4	3.504121859	95° 4'	264° 56'	0.54415740 4	3.443504422	95° 44'	264° 16'	0.54994931 6	3.383590956
94° 25'	265° 35'	0.53850452 8	3.502597783	95° 5'	264° 55'	0.54430227 8	3.441998037	95° 45'	264° 15'	0.55009403 1	3.382102074
94° 26'	265° 34'	0.53864953 8	3.501074152	95° 6'	264° 54'	0.54444714 8	3.440492092	95° 46'	264° 14'	0.55023874 1	3.380613628
94° 27'	265° 33'	0.53879454 6	3.499550965	95° 7'	264° 53'	0.54459201 5	3.438986586	95° 47'	264° 13'	0.55038344 7	3.379125617
94° 28'	265° 32'	0.53893955 0	3.498028222	95° 8'	264° 52'	0.54473687 7	3.437481521	95° 48'	264° 12'	0.55052814 9	3.377638040
94° 29'	265° 31'	0.53908455 0	3.496505924	95° 9'	264° 51'	0.54488173 6	3.435976894	95° 49'	264° 11'	0.55067284 6	3.376150899
94° 30'	265° 30'	0.53922954 8	3.494984070	95° 10'	264° 50'	0.54502659 1	3.434472707	95° 50'	264° 10'	0.55081753 9	3.374664193
94° 31'	265° 29'	0.53937454 2	3.493462659	95° 11'	264° 49'	0.54517144 3	3.432968960	95° 51'	264° 9'	0.55096222 8	3.373177921
94° 32'	265° 28'	0.53951953 3	3.491941693	95° 12'	264° 48'	0.54531629 0	3.431465651	95° 52'	264° 8'	0.55110691 2	3.371692083
94° 33'	265° 27'	0.53966452 0	3.490421170	95° 13'	264° 47'	0.54546113 4	3.429962781	95° 53'	264° 7'	0.55125159 3	3.370206680
94° 34'	265° 26'	0.53980950 4	3.488901091	95° 14'	264° 46'	0.54560597 3	3.428460351	95° 54'	264° 6'	0.55139626 8	3.368721712
94° 35'	265° 25'	0.53995448 5	3.487381456	95° 15'	264° 45'	0.54575080 9	3.426958359	95° 55'	264° 5'	0.55154094 0	3.367237177
94° 36'	265° 24'	0.54009946 2	3.485862264	95° 16'	264° 44'	0.54589564 1	3.425456806	95° 56'	264° 4'	0.55168560 7	3.365753077
94° 37'	265° 23'	0.54024443 6	3.484343515	95° 17'	264° 43'	0.54604046 9	3.423955691	95° 57'	264° 3'	0.55183027 0	3.364269411
94° 38'	265° 22'	0.54038940 7	3.482825209	95° 18'	264° 42'	0.54618529 4	3.422455015	95° 58'	264° 2'	0.55197492 8	3.362786178
94° 39'	265° 21'	0.54053437 4	3.481307346	95° 19'	264° 41'	0.54633011 4	3.420954778	95° 59'	264° 1'	0.55211958 2	3.361303379

96° 0'	264° 0'	0.55226423 2	3.359821014	96° 40'	263° 20'	0.55804645 7	3.300880687	97° 20'	262° 40'	0.56382082 4	3.242626808
96° 1'	263° 59'	0.55240887 7	3.358339083	96° 41'	263° 19'	0.55819091 5	3.299416003	97° 21'	262° 39'	0.56396507 6	3.241179195
96° 2'	263° 58'	0.55255351 7	3.356857584	96° 42'	263° 18'	0.55833536 9	3.297951749	97° 22'	262° 38'	0.56410932 2	3.239732007
96° 3'	263° 57'	0.55269815 4	3.355376520	96° 43'	263° 17'	0.55847981 7	3.296487923	97° 23'	262° 37'	0.56425356 3	3.238285243
96° 4'	263° 56'	0.55284278 6	3.353895888	96° 44'	263° 16'	0.55862426 0	3.295024526	97° 24'	262° 36'	0.56439779 8	3.236838903
96° 5'	263° 55'	0.55298741 3	3.352415689	96° 45'	263° 15'	0.55876869 9	3.293561558	97° 25'	262° 35'	0.56454202 8	3.235392988
96° 6'	263° 54'	0.55313203 6	3.350935923	96° 46'	263° 14'	0.55891313 2	3.292099018	97° 26'	262° 34'	0.56468625 3	3.233947496
96° 7'	263° 53'	0.55327665 4	3.349456590	96° 47'	263° 13'	0.55905756 1	3.290636906	97° 27'	262° 33'	0.56483047 2	3.232502429
96° 8'	263° 52'	0.55342126 8	3.347977690	96° 48'	263° 12'	0.55920198 4	3.289175222	97° 28'	262° 32'	0.56497468 5	3.231057785
96° 9'	263° 51'	0.55356587 7	3.346499223	96° 49'	263° 11'	0.55934640 3	3.287713967	97° 29'	262° 31'	0.56511889 4	3.229613565
96° 10'	263° 50'	0.55371048 2	3.345021188	96° 50'	263° 10'	0.55949081 6	3.286253140	97° 30'	262° 30'	0.56526309 6	3.228169769
96° 11'	263° 49'	0.55385508 2	3.343543585	96° 51'	263° 9'	0.55963522 4	3.284792741	97° 31'	262° 29'	0.56540729 3	3.226726397
96° 12'	263° 48'	0.55399967 8	3.342066414	96° 52'	263° 8'	0.55977962 8	3.283332769	97° 32'	262° 28'	0.56555148 5	3.225283447
96° 13'	263° 47'	0.55414426 9	3.340589676	96° 53'	263° 7'	0.55992402 6	3.281873225	97° 33'	262° 27'	0.56569567 1	3.223840921
96° 14'	263° 46'	0.55428885 5	3.339113370	96° 54'	263° 6'	0.56006841 9	3.280414109	97° 34'	262° 26'	0.56583985 1	3.222398819
96° 15'	263° 45'	0.55443343 7	3.337637496	96° 55'	263° 5'	0.56021280 8	3.278955420	97° 35'	262° 25'	0.56598402 6	3.220957139
96° 16'	263° 44'	0.55457801 5	3.336162053	96° 56'	263° 4'	0.56035719 1	3.277497159	97° 36'	262° 24'	0.56612819 5	3.219515883
96° 17'	263° 43'	0.55472258 7	3.334687042	96° 57'	263° 3'	0.56050156 9	3.276039325	97° 37'	262° 23'	0.56627235 9	3.218075049
96° 18'	263° 42'	0.55486715 6	3.333212463	96° 58'	263° 2'	0.56064594 1	3.274581918	97° 38'	262° 22'	0.56641651 7	3.216634638
96° 19'	263° 41'	0.55501171 9	3.331738315	96° 59'	263° 1'	0.56079030 9	3.273124938	97° 39'	262° 21'	0.56656066 9	3.215194650
96° 20'	263° 40'	0.55515627 8	3.330264599	97° 0'	263° 0'	0.56093467 2	3.271668385	97° 40'	262° 20'	0.56670481 6	3.213755084
96° 21'	263° 39'	0.55530083 2	3.328791314	97° 1'	262° 59'	0.56107902 9	3.270212258	97° 41'	262° 19'	0.56684895 7	3.212315941
96° 22'	263° 38'	0.55544538 1	3.327318460	97° 2'	262° 58'	0.56122338 1	3.268756559	97° 42'	262° 18'	0.56699309 3	3.210877221
96° 23'	263° 37'	0.55558992 6	3.325846037	97° 3'	262° 57'	0.56136772 8	3.267301286	97° 43'	262° 17'	0.56713722 3	3.209438922
96° 24'	263° 36'	0.55573446 6	3.324374045	97° 4'	262° 56'	0.56151207 0	3.265846439	97° 44'	262° 16'	0.56728134 7	3.208001046
96° 25'	263° 35'	0.55587900 1	3.322902484	97° 5'	262° 55'	0.56165640 7	3.264392019	97° 45'	262° 15'	0.56742546 5	3.206563591
96° 26'	263° 34'	0.55602353 2	3.321431353	97° 6'	262° 54'	0.56180073 8	3.262938025	97° 46'	262° 14'	0.56756957 8	3.205126559
96° 27'	263° 33'	0.55616805 8	3.319960653	97° 7'	262° 53'	0.56194506 5	3.261484458	97° 47'	262° 13'	0.56771368 5	3.203689948
96° 28'	263° 32'	0.55631257 9	3.318490384	97° 8'	262° 52'	0.56208938 6	3.260031316	97° 48'	262° 12'	0.56785778 6	3.202253760
96° 29'	263° 31'	0.55645709 5	3.317020545	97° 9'	262° 51'	0.56223370 1	3.258578600	97° 49'	262° 11'	0.56800188 2	3.200817992
96° 30'	263° 30'	0.55660160 7	3.315551136	97° 10'	262° 50'	0.56237801 2	3.257126311	97° 50'	262° 10'	0.56814597 2	3.199382647
96° 31'	263° 29'	0.55674611 4	3.314082157	97° 11'	262° 49'	0.56252231 7	3.255674446	97° 51'	262° 9'	0.56829005 6	3.197947722
96° 32'	263° 28'	0.55689061 6	3.312613609	97° 12'	262° 48'	0.56266661 7	3.254223008	97° 52'	262° 8'	0.56843413 4	3.196513219
96° 33'	263° 27'	0.55703511 3	3.311145490	97° 13'	262° 47'	0.56281091 1	3.252771995	97° 53'	262° 7'	0.56857820 6	3.195079137
96° 34'	263° 26'	0.55717960 5	3.309677801	97° 14'	262° 46'	0.56295520 1	3.251321407	97° 54'	262° 6'	0.56872227 3	3.193645477
96° 35'	263° 25'	0.55732409 3	3.308210542	97° 15'	262° 45'	0.56309948 5	3.249871245	97° 55'	262° 5'	0.56886633 4	3.192212237
96° 36'	263° 24'	0.55746857 5	3.306743712	97° 16'	262° 44'	0.56324376 3	3.248421508	97° 56'	262° 4'	0.56901038 9	3.190779418
96° 37'	263° 23'	0.55761305 3	3.305277312	97° 17'	262° 43'	0.56338803 6	3.246972195	97° 57'	262° 3'	0.56915443 8	3.189347020
96° 38'	263° 22'	0.55775752 6	3.303811341	97° 18'	262° 42'	0.56353230 4	3.245523308	97° 58'	262° 2'	0.56929848 1	3.187915042
96° 39'	263° 21'	0.55790199 4	3.302345799	97° 19'	262° 41'	0.56367656 7	3.244074846	97° 59'	262° 1'	0.56944251 9	3.186483485

98° 0'	262° 0'	0.56958655 0	3.185052348	98° 40'	261° 20'	0.57534285 6	3.128150429	99° 20'	260° 40'	0.58108896 2	3.071914322
98° 1'	261° 59'	0.56973057 6	3.183621632	98° 41'	261° 19'	0.57548663 6	3.126736440	99° 21'	260° 39'	0.58123247 7	3.070516893
98° 2'	261° 58'	0.56987459 6	3.182191336	98° 42'	261° 18'	0.57563041 0	3.125322866	99° 22'	260° 38'	0.58137598 5	3.069119875
98° 3'	261° 57'	0.57001861 0	3.180761460	98° 43'	261° 17'	0.57577417 8	3.123909709	99° 23'	260° 37'	0.58151948 7	3.067723270
98° 4'	261° 56'	0.57016261 8	3.179332004	98° 44'	261° 16'	0.57591793 9	3.122496967	99° 24'	260° 36'	0.58166298 1	3.066327076
98° 5'	261° 55'	0.57030662 0	3.177902968	98° 45'	261° 15'	0.57606169 3	3.121084641	99° 25'	260° 35'	0.58180646 9	3.064931294
98° 6'	261° 54'	0.57045061 6	3.176474352	98° 46'	261° 14'	0.57620544 1	3.119672730	99° 26'	260° 34'	0.58194994 9	3.063535923
98° 7'	261° 53'	0.57059460 6	3.175046156	98° 47'	261° 13'	0.57634918 3	3.118261235	99° 27'	260° 33'	0.58209342 3	3.062140964
98° 8'	261° 52'	0.57073859 0	3.173618379	98° 48'	261° 12'	0.57649291 8	3.116850156	99° 28'	260° 32'	0.58223689 0	3.060746416
98° 9'	261° 51'	0.57088256 8	3.172191021	98° 49'	261° 11'	0.57663664 7	3.115439491	99° 29'	260° 31'	0.58238035 0	3.059352279
98° 10'	261° 50'	0.57102654 1	3.170764083	98° 50'	261° 10'	0.57678036 9	3.114029242	99° 30'	260° 30'	0.58252380 3	3.057958553
98° 11'	261° 49'	0.57117050 7	3.169337564	98° 51'	261° 9'	0.57692408 5	3.112619408	99° 31'	260° 29'	0.58266724 9	3.056565239
98° 12'	261° 48'	0.57131446 7	3.167911465	98° 52'	261° 8'	0.57706779 4	3.111209989	99° 32'	260° 28'	0.58281068 8	3.055172335
98° 13'	261° 47'	0.57145842 1	3.166485784	98° 53'	261° 7'	0.57721149 7	3.109800985	99° 33'	260° 27'	0.58295412 0	3.053779842
98° 14'	261° 46'	0.57160236 9	3.165060523	98° 54'	261° 6'	0.57735519 3	3.108392396	99° 34'	260° 26'	0.58309754 5	3.052387760
98° 15'	261° 45'	0.57174631 1	3.163635680	98° 55'	261° 5'	0.57749888 3	3.106984221	99° 35'	260° 25'	0.58324096 3	3.050996088
98° 16'	261° 44'	0.57189024 7	3.162211256	98° 56'	261° 4'	0.57764256 6	3.105576461	99° 36'	260° 24'	0.58338437 3	3.049604827
98° 17'	261° 43'	0.57203417 7	3.160787251	98° 57'	261° 3'	0.57778624 2	3.104169115	99° 37'	260° 23'	0.58352777 7	3.048213976
98° 18'	261° 42'	0.57217810 1	3.159363664	98° 58'	261° 2'	0.57792991 2	3.102762184	99° 38'	260° 22'	0.58367117 4	3.046823535
98° 19'	261° 41'	0.57232201 8	3.157940495	98° 59'	261° 1'	0.57807357 6	3.101355667	99° 39'	260° 21'	0.58381456 3	3.045433505
98° 20'	261° 40'	0.57246593 0	3.156517745	99° 0'	261° 0'	0.57821723 3	3.099949564	99° 40'	260° 20'	0.58395794 6	3.044043885
98° 21'	261° 39'	0.57260983 5	3.155095413	99° 1'	260° 59'	0.57836088 3	3.098543875	99° 41'	260° 19'	0.58410132 1	3.042654674
98° 22'	261° 38'	0.57275373 4	3.153673500	99° 2'	260° 58'	0.57850452 6	3.097138600	99° 42'	260° 18'	0.58424469 0	3.041265874
98° 23'	261° 37'	0.57289762 7	3.152252004	99° 3'	260° 57'	0.57864816 3	3.095733739	99° 43'	260° 17'	0.58438805 1	3.039877483
98° 24'	261° 36'	0.57304151 4	3.150830926	99° 4'	260° 56'	0.57879179 3	3.094329292	99° 44'	260° 16'	0.58453140 5	3.038489502
98° 25'	261° 35'	0.57318539 5	3.149410266	99° 5'	260° 55'	0.57893541 7	3.092925258	99° 45'	260° 15'	0.58467475 2	3.037101931
98° 26'	261° 34'	0.57332927 0	3.147990024	99° 6'	260° 54'	0.57907903 4	3.091521638	99° 46'	260° 14'	0.58481809 2	3.035714769
98° 27'	261° 33'	0.57347313 8	3.146570199	99° 7'	260° 53'	0.57922264 4	3.090118432	99° 47'	260° 13'	0.58496142 4	3.034328016
98° 28'	261° 32'	0.57361700 0	3.145150791	99° 8'	260° 52'	0.57936624 7	3.088715638	99° 48'	260° 12'	0.58510475 0	3.032941673
98° 29'	261° 31'	0.57376085 6	3.143731801	99° 9'	260° 51'	0.57950984 4	3.087313258	99° 49'	260° 11'	0.58524806 8	3.031555739
98° 30'	261° 30'	0.57390470 6	3.142313229	99° 10'	260° 50'	0.57965343 4	3.085911291	99° 50'	260° 10'	0.58539137 9	3.030170214
98° 31'	261° 29'	0.57404854 9	3.140895073	99° 11'	260° 49'	0.57979701 7	3.084509737	99° 51'	260° 9'	0.58553468 2	3.028785098
98° 32'	261° 28'	0.57419238 6	3.139477335	99° 12'	260° 48'	0.57994059 4	3.083108596	99° 52'	260° 8'	0.58567797 9	3.027400391
98° 33'	261° 27'	0.57433621 7	3.138060013	99° 13'	260° 47'	0.58008416 4	3.081707868	99° 53'	260° 7'	0.58582126 8	3.026016093
98° 34'	261° 26'	0.57448004 2	3.136643109	99° 14'	260° 46'	0.58022772 7	3.080307553	99° 54'	260° 6'	0.58596455 0	3.024632203
98° 35'	261° 25'	0.57462386 0	3.135226621	99° 15'	260° 45'	0.58037128 3	3.078907650	99° 55'	260° 5'	0.58610782 5	3.023248722
98° 36'	261° 24'	0.57476767 2	3.133810550	99° 16'	260° 44'	0.58051483 2	3.077508160	99° 56'	260° 4'	0.58625109 2	3.021865650
98° 37'	261° 23'	0.57491147 7	3.132394895	99° 17'	260° 43'	0.58065837 5	3.076109082	99° 57'	260° 3'	0.58639435 2	3.020482985
98° 38'	261° 22'	0.57505527 7	3.130979657	99° 18'	260° 42'	0.58080191 1	3.074710416	99° 58'	260° 2'	0.58653760 5	3.019100730
98° 39'	261° 21'	0.57519907 0	3.129564835	99° 19'	260° 41'	0.58094543 9	3.073312163	99° 59'	260° 1'	0.58668085 1	3.017718882

100° 0'	260° 0'	0.58682408 9	3.016337442	100° 40'	259° 20'	0.59254746 2	2.961413347	101° 20'	258° 40'	0.59825830 5	2.907135732
100° 1'	259° 59'	0.58696732 0	3.014956411	100° 41'	259° 19'	0.59269038 9	2.960048554	101° 21'	258° 39'	0.59840090 9	2.905787021
100° 2'	259° 58'	0.58711054 3	3.013575787	100° 42'	259° 18'	0.59283330 8	2.958684165	101° 22'	258° 38'	0.59854350 4	2.904438710
100° 3'	259° 57'	0.58725375 9	3.012195571	100° 43'	259° 17'	0.59297621 9	2.957320179	101° 23'	258° 37'	0.59868609 1	2.903090799
100° 4'	259° 56'	0.58739696 8	3.010815763	100° 44'	259° 16'	0.59311912 2	2.955956597	101° 24'	258° 36'	0.59882867 0	2.901743288
100° 5'	259° 55'	0.58754016 9	3.009436362	100° 45'	259° 15'	0.59326201 8	2.954593419	101° 25'	258° 35'	0.59897124 1	2.900396177
100° 6'	259° 54'	0.58768336 3	3.008057369	100° 46'	259° 14'	0.59340490 6	2.953230644	101° 26'	258° 34'	0.59911380 3	2.899049465
100° 7'	259° 53'	0.58782655 0	3.006678783	100° 47'	259° 13'	0.59354778 5	2.951868273	101° 27'	258° 33'	0.59925635 6	2.897703153
100° 8'	259° 52'	0.58796972 9	3.005300604	100° 48'	259° 12'	0.59369065 7	2.950506305	101° 28'	258° 32'	0.59939890 2	2.896357241
100° 9'	259° 51'	0.58811290 0	3.003922833	100° 49'	259° 11'	0.59383352 1	2.949144741	101° 29'	258° 31'	0.59954143 9	2.895011728
100° 10'	259° 50'	0.58825606 4	3.002545469	100° 50'	259° 10'	0.59397637 7	2.947783579	101° 30'	258° 30'	0.59968396 7	2.893666614
100° 11'	259° 49'	0.58839922 1	3.001168511	100° 51'	259° 9'	0.59411922 5	2.946422821	101° 31'	258° 29'	0.59982648 7	2.892321900
100° 12'	259° 48'	0.58854237 0	2.999791961	100° 52'	259° 8'	0.59426206 5	2.945062466	101° 32'	258° 28'	0.59996899 9	2.890977585
100° 13'	259° 47'	0.58868551 2	2.998415817	100° 53'	259° 7'	0.59440489 7	2.943702513	101° 33'	258° 27'	0.60011150 2	2.889633669
100° 14'	259° 46'	0.58882864 6	2.997040080	100° 54'	259° 6'	0.59454772 1	2.942342964	101° 34'	258° 26'	0.60025399 7	2.888290151
100° 15'	259° 45'	0.58897177 3	2.995664750	100° 55'	259° 5'	0.59469053 8	2.940983817	101° 35'	258° 25'	0.60039648 3	2.886947033
100° 16'	259° 44'	0.58911489 2	2.994289826	100° 56'	259° 4'	0.59483334 6	2.939625072	101° 36'	258° 24'	0.60053896 1	2.885604313
100° 17'	259° 43'	0.58925800 4	2.992915309	100° 57'	259° 3'	0.59497614 6	2.938266730	101° 37'	258° 23'	0.60068143 0	2.884261992
100° 18'	259° 42'	0.58940110 8	2.991541198	100° 58'	259° 2'	0.59511893 8	2.936908791	101° 38'	258° 22'	0.60082389 0	2.882920070
100° 19'	259° 41'	0.58954420 4	2.990167493	100° 59'	259° 1'	0.59526172 2	2.935551254	101° 39'	258° 21'	0.60096634 3	2.881578546
100° 20'	259° 40'	0.58968729 3	2.988794194	101° 0'	259° 0'	0.59540449 8	2.934194119	101° 40'	258° 20'	0.60110878 6	2.880237420
100° 21'	259° 39'	0.58983037 4	2.987421301	101° 1'	258° 59'	0.59554726 6	2.932837386	101° 41'	258° 19'	0.60125122 1	2.878896693
100° 22'	259° 38'	0.58997344 8	2.986048814	101° 2'	258° 58'	0.59569002 5	2.931481055	101° 42'	258° 18'	0.60139364 8	2.877556364
100° 23'	259° 37'	0.59011651 4	2.984676733	101° 3'	258° 57'	0.59583277 7	2.930125126	101° 43'	258° 17'	0.60153606 6	2.876216433
100° 24'	259° 36'	0.59025957 3	2.983305058	101° 4'	258° 56'	0.59597552 1	2.928769599	101° 44'	258° 16'	0.60167847 5	2.874876900
100° 25'	259° 35'	0.59040262 3	2.981933788	101° 5'	258° 55'	0.59611825 6	2.927414473	101° 45'	258° 15'	0.60182087 6	2.873537765
100° 26'	259° 34'	0.59054566 7	2.980562924	101° 6'	258° 54'	0.59626098 3	2.926059749	101° 46'	258° 14'	0.60196326 8	2.872199028
100° 27'	259° 33'	0.59068870 2	2.979192465	101° 7'	258° 53'	0.59640370 2	2.924705427	101° 47'	258° 13'	0.60210565 1	2.870860688
100° 28'	259° 32'	0.59083173 0	2.977822411	101° 8'	258° 52'	0.59654641 3	2.923351506	101° 48'	258° 12'	0.60224802 6	2.869522746
100° 29'	259° 31'	0.59097475 0	2.976452763	101° 9'	258° 51'	0.59668911 6	2.921997986	101° 49'	258° 11'	0.60239039 2	2.868185202
100° 30'	259° 30'	0.59111776 3	2.975083520	101° 10'	258° 50'	0.59683181 1	2.920644868	101° 50'	258° 10'	0.60253275 0	2.866848055
100° 31'	259° 29'	0.59126076 8	2.973714681	101° 11'	258° 49'	0.59697449 7	2.919292151	101° 51'	258° 9'	0.60267509 8	2.865511306
100° 32'	259° 28'	0.59140376 5	2.972346248	101° 12'	258° 48'	0.59711717 6	2.917939835	101° 52'	258° 8'	0.60281743 9	2.864174953
100° 33'	259° 27'	0.59154675 4	2.970978220	101° 13'	258° 47'	0.59725984 6	2.916587920	101° 53'	258° 7'	0.60295977 0	2.862838998
100° 34'	259° 26'	0.59168973 5	2.969610596	101° 14'	258° 46'	0.59740250 7	2.915236405	101° 54'	258° 6'	0.60310209 3	2.861503440
100° 35'	259° 25'	0.59183270 9	2.968243377	101° 15'	258° 45'	0.59754516 1	2.913885292	101° 55'	258° 5'	0.60324440 7	2.860168279
100° 36'	259° 24'	0.59197567 5	2.966876562	101° 16'	258° 44'	0.59768780 6	2.912534579	101° 56'	258° 4'	0.60338671 2	2.858833515
100° 37'	259° 23'	0.59211863 4	2.965510152	101° 17'	258° 43'	0.59783044 3	2.911184266	101° 57'	258° 3'	0.60352900 8	2.857499147
100° 38'	259° 22'	0.59226158 4	2.964144146	101° 18'	258° 42'	0.59797307 2	2.909834355	101° 58'	258° 2'	0.60367129 6	2.856165176
100° 39'	259° 21'	0.59240452 7	2.962778545	101° 19'	258° 41'	0.59811569 3	2.908484843	101° 59'	258° 1'	0.60381357 5	2.854831602

102° 0'	258° 0'	0.60395584	2.853498425	102° 40'	257° 20'	0.60963931	2.800495385	103° 20'	256° 40'	0.61530793	2.748120699
102° 1'	257° 59'	0.60409810	2.852165643	102° 41'	257° 19'	0.60978121	2.799178384	103° 21'	256° 39'	0.61544945	2.746819332
102° 2'	257° 58'	0.60424035	2.850833258	102° 42'	257° 18'	0.60992310	2.797861776	103° 22'	256° 38'	0.61559096	2.745518355
102° 3'	257° 57'	0.60438260	2.849501270	102° 43'	257° 17'	0.61006498	2.796545560	103° 23'	256° 37'	0.61573246	2.744217766
102° 4'	257° 56'	0.60452483	2.848169677	102° 44'	257° 16'	0.61020685	2.795229737	103° 24'	256° 36'	0.61587395	2.742917566
102° 5'	257° 55'	0.60466706	2.846838481	102° 45'	257° 15'	0.61034871	2.793914306	103° 25'	256° 35'	0.61601543	2.741617755
102° 6'	257° 54'	0.60480928	2.845507680	102° 46'	257° 14'	0.61049057	2.792599267	103° 26'	256° 34'	0.61615690	2.740318332
102° 7'	257° 53'	0.60495149	2.844177275	102° 47'	257° 13'	0.61063241	2.791284621	103° 27'	256° 33'	0.61629836	2.739019298
102° 8'	257° 52'	0.60509368	2.842847266	102° 48'	257° 12'	0.61077424	2.789970366	103° 28'	256° 32'	0.61643981	2.737720653
102° 9'	257° 51'	0.60523588	2.841517653	102° 49'	257° 11'	0.61091607	2.788656504	103° 29'	256° 31'	0.61658125	2.736422396
102° 10'	257° 50'	0.60537806	2.840188435	102° 50'	257° 10'	0.61105788	2.787343033	103° 30'	256° 30'	0.61672268	2.735124527
102° 11'	257° 49'	0.60552023	2.838859613	102° 51'	257° 9'	0.61119969	2.786029955	103° 31'	256° 29'	0.61686410	2.733827046
102° 12'	257° 48'	0.60566239	2.837531186	102° 52'	257° 8'	0.61134149	2.784717268	103° 32'	256° 28'	0.61700551	2.732529954
102° 13'	257° 47'	0.60580455	2.836203154	102° 53'	257° 7'	0.61148328	2.783404972	103° 33'	256° 27'	0.61714691	2.731233249
102° 14'	257° 46'	0.60594669	2.834875518	102° 54'	257° 6'	0.61162505	2.782093068	103° 34'	256° 26'	0.61728830	2.729936933
102° 15'	257° 45'	0.60608883	2.833548277	102° 55'	257° 5'	0.61176682	2.780781556	103° 35'	256° 25'	0.61742968	2.728641004
102° 16'	257° 44'	0.60623096	2.832221431	102° 56'	257° 4'	0.61190858	2.779470435	103° 36'	256° 24'	0.61757105	2.727345463
102° 17'	257° 43'	0.60637308	2.830894979	102° 57'	257° 3'	0.61205033	2.778159705	103° 37'	256° 23'	0.61771241	2.726050310
102° 18'	257° 42'	0.60651519	2.829568923	102° 58'	257° 2'	0.61219207	2.776849366	103° 38'	256° 22'	0.61785376	2.724755544
102° 19'	257° 41'	0.60665729	2.828243261	102° 59'	257° 1'	0.61233380	2.775539419	103° 39'	256° 21'	0.61799511	2.723461166
102° 20'	257° 40'	0.60679938	2.826917994	103° 0'	257° 0'	0.61247552	2.774229862	103° 40'	256° 20'	0.61813644	2.722167175
102° 21'	257° 39'	0.60694146	2.825593121	103° 1'	256° 59'	0.61261723	2.772920697	103° 41'	256° 19'	0.61827776	2.720873572
102° 22'	257° 38'	0.60708354	2.824268643	103° 2'	256° 58'	0.61275894	2.771611922	103° 42'	256° 18'	0.61841907	2.719580356
102° 23'	257° 37'	0.60722560	2.822944559	103° 3'	256° 57'	0.61290063	2.770303538	103° 43'	256° 17'	0.61856037	2.718287527
102° 24'	257° 36'	0.60736766	2.821620870	103° 4'	256° 56'	0.61304231	2.768995544	103° 44'	256° 16'	0.61870166	2.716995084
102° 25'	257° 35'	0.60750971	2.820297575	103° 5'	256° 55'	0.61318399	2.767687941	103° 45'	256° 15'	0.61884294	2.715703029
102° 26'	257° 34'	0.60765174	2.818974673	103° 6'	256° 54'	0.61332565	2.766380729	103° 46'	256° 14'	0.61898421	2.714411361
102° 27'	257° 33'	0.60779377	2.817652166	103° 7'	256° 53'	0.61346730	2.765073906	103° 47'	256° 13'	0.61912547	2.713120080
102° 28'	257° 32'	0.60793579	2.816330053	103° 8'	256° 52'	0.61360895	2.763767474	103° 48'	256° 12'	0.61926672	2.711829185
102° 29'	257° 31'	0.60807780	2.815008333	103° 9'	256° 51'	0.61375058	2.762461433	103° 49'	256° 11'	0.61940796	2.710538677
102° 30'	257° 30'	0.60821980	2.813687008	103° 10'	256° 50'	0.61389221	2.761155781	103° 50'	256° 10'	0.61954920	2.709248555
102° 31'	257° 29'	0.60836179	2.812366076	103° 11'	256° 49'	0.61403382	2.759850519	103° 51'	256° 9'	0.61969042	2.707958820
102° 32'	257° 28'	0.60850378	2.811045537	103° 12'	256° 48'	0.61417543	2.758545648	103° 52'	256° 8'	0.61983163	2.706669471
102° 33'	257° 27'	0.60864575	2.809725392	103° 13'	256° 47'	0.61431703	2.757241166	103° 53'	256° 7'	0.61997283	2.705380509
102° 34'	257° 26'	0.60878772	2.808405640	103° 14'	256° 46'	0.61445861	2.755937073	103° 54'	256° 6'	0.62011402	2.704091932
102° 35'	257° 25'	0.60892967	2.807086282	103° 15'	256° 45'	0.61460019	2.754633371	103° 55'	256° 5'	0.62025520	2.702803742
102° 36'	257° 24'	0.60907162	2.805767316	103° 16'	256° 44'	0.61474176	2.753330058	103° 56'	256° 4'	0.62039637	2.701515938
102° 37'	257° 23'	0.60921355	2.804448744	103° 17'	256° 43'	0.61488332	2.752027134	103° 57'	256° 3'	0.62053753	2.700228519
102° 38'	257° 22'	0.60935548	2.803130565	103° 18'	256° 42'	0.61502486	2.750724600	103° 58'	256° 2'	0.62067868	2.698941487
102° 39'	257° 21'	0.60949740	2.801812778	103° 19'	256° 41'	0.61516640	2.749422455	103° 59'	256° 1'	0.62081981	2.697654840

104° 0'	256° 0'	0.62096094 8	2.696368579	104° 40'	255° 20'	0.62659758 4	2.645233356	105° 20'	254° 40'	0.63221708 1	2.594709481
104° 1'	255° 59'	0.62110206 6	2.695082703	104° 41'	255° 19'	0.62673828 4	2.643962831	105° 21'	254° 39'	0.63235734 2	2.593454170
104° 2'	255° 58'	0.62124317 5	2.693797213	104° 42'	255° 18'	0.62687897 2	2.642692688	105° 22'	254° 38'	0.63249759 2	2.592199237
104° 3'	255° 57'	0.62138427 3	2.692512108	104° 43'	255° 17'	0.62701965 0	2.641422927	105° 23'	254° 37'	0.63263783 1	2.590944683
104° 4'	255° 56'	0.62152536 1	2.691227389	104° 44'	255° 16'	0.62716031 8	2.640153548	105° 24'	254° 36'	0.63277805 9	2.589690507
104° 5'	255° 55'	0.62166643 9	2.689943054	104° 45'	255° 15'	0.62730097 4	2.638884551	105° 25'	254° 35'	0.63291827 5	2.588436710
104° 6'	255° 54'	0.62180750 6	2.688659105	104° 46'	255° 14'	0.62744162 0	2.637615935	105° 26'	254° 34'	0.63305848 0	2.587183291
104° 7'	255° 53'	0.62194856 3	2.687375541	104° 47'	255° 13'	0.62758225 5	2.636347701	105° 27'	254° 33'	0.63319867 4	2.585930250
104° 8'	255° 52'	0.62208961 0	2.686092362	104° 48'	255° 12'	0.62772287 9	2.635079848	105° 28'	254° 32'	0.63333885 7	2.584677587
104° 9'	255° 51'	0.62223064 6	2.684809567	104° 49'	255° 11'	0.62786349 2	2.633812377	105° 29'	254° 31'	0.63347902 8	2.583425303
104° 10'	255° 50'	0.62237167 2	2.683527158	104° 50'	255° 10'	0.62800409 5	2.632545287	105° 30'	254° 30'	0.63361918 8	2.582173396
104° 11'	255° 49'	0.62251268 8	2.682245133	104° 51'	255° 9'	0.62814468 7	2.631278579	105° 31'	254° 29'	0.63375933 7	2.580921867
104° 12'	255° 48'	0.62265369 3	2.680963492	104° 52'	255° 8'	0.62828526 7	2.630012251	105° 32'	254° 28'	0.63389947 4	2.579670716
104° 13'	255° 47'	0.62279468 8	2.679682237	104° 53'	255° 7'	0.62842583 7	2.628746305	105° 33'	254° 27'	0.63403960 0	2.578419942
104° 14'	255° 46'	0.62293567 2	2.678401365	104° 54'	255° 6'	0.62856639 7	2.627480739	105° 34'	254° 26'	0.63417971 5	2.577169546
104° 15'	255° 45'	0.62307664 7	2.677120878	104° 55'	255° 5'	0.62870694 5	2.626215555	105° 35'	254° 25'	0.63431981 8	2.575919528
104° 16'	255° 44'	0.62321761 0	2.675840775	104° 56'	255° 4'	0.62884748 2	2.624950751	105° 36'	254° 24'	0.63445991 0	2.574669887
104° 17'	255° 43'	0.62335856 4	2.674561057	104° 57'	255° 3'	0.62898800 9	2.623686328	105° 37'	254° 23'	0.63459999 1	2.573420624
104° 18'	255° 42'	0.62349950 6	2.673281722	104° 58'	255° 2'	0.62912852 4	2.622422285	105° 38'	254° 22'	0.63474006 0	2.572171737
104° 19'	255° 41'	0.62364043 9	2.672002771	104° 59'	255° 1'	0.62926902 9	2.621158624	105° 39'	254° 21'	0.63488011 8	2.570923228
104° 20'	255° 40'	0.62378136 1	2.670724205	105° 0'	255° 0'	0.62940952 3	2.619895342	105° 40'	254° 20'	0.63502016 4	2.569675096
104° 21'	255° 39'	0.62392227 2	2.669446022	105° 1'	254° 59'	0.62955000 5	2.618632441	105° 41'	254° 19'	0.63516019 9	2.568427341
104° 22'	255° 38'	0.62406317 3	2.668168223	105° 2'	254° 58'	0.62969047 7	2.617369920	105° 42'	254° 18'	0.63530022 3	2.567179963
104° 23'	255° 37'	0.62420406 4	2.666890807	105° 3'	254° 57'	0.62983093 8	2.616107780	105° 43'	254° 17'	0.63544023 5	2.565932962
104° 24'	255° 36'	0.62434494 4	2.665613775	105° 4'	254° 56'	0.62997138 8	2.614846019	105° 44'	254° 16'	0.63558023 6	2.564686338
104° 25'	255° 35'	0.62448581 3	2.664337127	105° 5'	254° 55'	0.63011182 7	2.613584639	105° 45'	254° 15'	0.63572022 5	2.563440090
104° 26'	255° 34'	0.62462667 2	2.663060861	105° 6'	254° 54'	0.63025225 4	2.612323639	105° 46'	254° 14'	0.63586020 3	2.562194219
104° 27'	255° 33'	0.62476752 0	2.661784980	105° 7'	254° 53'	0.63039267 1	2.611063018	105° 47'	254° 13'	0.63600016 9	2.560948724
104° 28'	255° 32'	0.62490835 8	2.660509481	105° 8'	254° 52'	0.63053307 7	2.609802777	105° 48'	254° 12'	0.63614012 4	2.559703606
104° 29'	255° 31'	0.62504918 5	2.659234365	105° 9'	254° 51'	0.63067347 2	2.608542916	105° 49'	254° 11'	0.63628006 7	2.558458864
104° 30'	255° 30'	0.62519000 2	2.657959633	105° 10'	254° 50'	0.63081385 5	2.607283435	105° 50'	254° 10'	0.63641999 8	2.557214498
104° 31'	255° 29'	0.62533080 8	2.656685283	105° 11'	254° 49'	0.63095422 8	2.606024333	105° 51'	254° 9'	0.63655991 8	2.555970509
104° 32'	255° 28'	0.62547160 4	2.655411317	105° 12'	254° 48'	0.63109458 9	2.604765610	105° 52'	254° 8'	0.63669982 7	2.554726896
104° 33'	255° 27'	0.62561238 8	2.654137733	105° 13'	254° 47'	0.63123494 0	2.603507267	105° 53'	254° 7'	0.63683972 4	2.553483659
104° 34'	255° 26'	0.62575316 3	2.652864531	105° 14'	254° 46'	0.63137527 9	2.602249304	105° 54'	254° 6'	0.63697960 9	2.552240797
104° 35'	255° 25'	0.62589392 6	2.651591713	105° 15'	254° 45'	0.63151560 7	2.600991719	105° 55'	254° 5'	0.63711948 3	2.550998312
104° 36'	255° 24'	0.62603467 9	2.650319277	105° 16'	254° 44'	0.63165592 4	2.599734513	105° 56'	254° 4'	0.63725934 5	2.549756202
104° 37'	255° 23'	0.62617542 1	2.649047223	105° 17'	254° 43'	0.63179623 0	2.598477687	105° 57'	254° 3'	0.63739919 6	2.548514468
104° 38'	255° 22'	0.62631615 3	2.647775552	105° 18'	254° 42'	0.63193652 5	2.597221239	105° 58'	254° 2'	0.63753903 5	2.547273110
104° 39'	255° 21'	0.62645687 4	2.646504263	105° 19'	254° 41'	0.63207680 9	2.595965171	105° 59'	254° 1'	0.63767886 2	2.546032127

106° 0'	254° 0'	0.63781867	2.544791520	106° 40'	253° 20'	0.64340161	2.495474151	107° 20'	252° 40'	0.64896514	2.446752162
106° 1'	253° 59'	0.63795848	2.543551288	106° 41'	253° 19'	0.64354094	2.494248866	107° 21'	252° 39'	0.64910397	2.445541697
106° 2'	253° 58'	0.63809827	2.542311431	106° 42'	253° 18'	0.64368026	2.493023954	107° 22'	252° 38'	0.64924279	2.444331600
106° 3'	253° 57'	0.63823805	2.541071949	106° 43'	253° 17'	0.64381956	2.491799413	107° 23'	252° 37'	0.64938160	2.443121872
106° 4'	253° 56'	0.63837782	2.539832843	106° 44'	253° 16'	0.64395885	2.490575245	107° 24'	252° 36'	0.64952039	2.441912512
106° 5'	253° 55'	0.63851758	2.538594112	106° 45'	253° 15'	0.64409813	2.489351448	107° 25'	252° 35'	0.64965917	2.440703521
106° 6'	253° 54'	0.63865732	2.537355755	106° 46'	253° 14'	0.64423740	2.488128023	107° 26'	252° 34'	0.64979794	2.439494899
106° 7'	253° 53'	0.63879706	2.536117774	106° 47'	253° 13'	0.64437665	2.486904969	107° 27'	252° 33'	0.64993670	2.438286645
106° 8'	253° 52'	0.63893678	2.534880167	106° 48'	253° 12'	0.64451589	2.485682288	107° 28'	252° 32'	0.65007544	2.437078759
106° 9'	253° 51'	0.63907649	2.533642935	106° 49'	253° 11'	0.64465512	2.484459977	107° 29'	252° 31'	0.65021418	2.435871242
106° 10'	253° 50'	0.63921619	2.532406077	106° 50'	253° 10'	0.64479434	2.483238038	107° 30'	252° 30'	0.65035290	2.434664093
106° 11'	253° 49'	0.63935587	2.531169594	106° 51'	253° 9'	0.64493355	2.482016470	107° 31'	252° 29'	0.65049160	2.433457312
106° 12'	253° 48'	0.63949555	2.529933486	106° 52'	253° 8'	0.64507274	2.480795274	107° 32'	252° 28'	0.65063029	2.432250899
106° 13'	253° 47'	0.63963521	2.528697752	106° 53'	253° 7'	0.64521192	2.479574448	107° 33'	252° 27'	0.65076898	2.431044855
106° 14'	253° 46'	0.63977486	2.527462392	106° 54'	253° 6'	0.64535109	2.478353994	107° 34'	252° 26'	0.65090764	2.429839178
106° 15'	253° 45'	0.63991450	2.526227407	106° 55'	253° 5'	0.64549025	2.477133910	107° 35'	252° 25'	0.65104630	2.428633868
106° 16'	253° 44'	0.64005413	2.524992795	106° 56'	253° 4'	0.64562939	2.475914198	107° 36'	252° 24'	0.65118494	2.427428927
106° 17'	253° 43'	0.64019375	2.523758558	106° 57'	253° 3'	0.64576853	2.474694856	107° 37'	252° 23'	0.65132357	2.426224353
106° 18'	253° 42'	0.64033335	2.522524695	106° 58'	253° 2'	0.64590765	2.473475885	107° 38'	252° 22'	0.65146219	2.425020147
106° 19'	253° 41'	0.64047294	2.521291205	106° 59'	253° 1'	0.64604675	2.472257285	107° 39'	252° 21'	0.65160079	2.423816308
106° 20'	253° 40'	0.64061252	2.520058089	107° 0'	253° 0'	0.64618585	2.471039056	107° 40'	252° 20'	0.65173938	2.422612837
106° 21'	253° 39'	0.64075209	2.518825347	107° 1'	252° 59'	0.64632493	2.469821196	107° 41'	252° 19'	0.65187796	2.421409733
106° 22'	253° 38'	0.64089165	2.517592979	107° 2'	252° 58'	0.64646400	2.468603708	107° 42'	252° 18'	0.65201653	2.420206996
106° 23'	253° 37'	0.64103119	2.516360984	107° 3'	252° 57'	0.64660306	2.467386589	107° 43'	252° 17'	0.65215508	2.419004627
106° 24'	253° 36'	0.64117072	2.515129363	107° 4'	252° 56'	0.64674210	2.466169841	107° 44'	252° 16'	0.65229362	2.417802624
106° 25'	253° 35'	0.64131024	2.513898115	107° 5'	252° 55'	0.64688114	2.464953463	107° 45'	252° 15'	0.65243215	2.416600989
106° 26'	253° 34'	0.64144975	2.512667241	107° 6'	252° 54'	0.64702016	2.463737455	107° 46'	252° 14'	0.65257066	2.415399721
106° 27'	253° 33'	0.64158925	2.511436740	107° 7'	252° 53'	0.64715917	2.462521818	107° 47'	252° 13'	0.65270916	2.414198819
106° 28'	253° 32'	0.64172873	2.510206611	107° 8'	252° 52'	0.64729816	2.461306550	107° 48'	252° 12'	0.65284765	2.412998285
106° 29'	253° 31'	0.64186821	2.508976856	107° 9'	252° 51'	0.64743715	2.460091652	107° 49'	252° 11'	0.65298612	2.411798117
106° 30'	253° 30'	0.64200767	2.507747474	107° 10'	252° 50'	0.64757612	2.458877124	107° 50'	252° 10'	0.65312459	2.410598315
106° 31'	253° 29'	0.64214712	2.506518465	107° 11'	252° 49'	0.64771507	2.457662965	107° 51'	252° 9'	0.65326303	2.409398881
106° 32'	253° 28'	0.64228655	2.505289829	107° 12'	252° 48'	0.64785402	2.456449176	107° 52'	252° 8'	0.65340147	2.408199812
106° 33'	253° 27'	0.64242598	2.504061565	107° 13'	252° 47'	0.64799295	2.455235757	107° 53'	252° 7'	0.65353989	2.407001111
106° 34'	253° 26'	0.64256539	2.502833674	107° 14'	252° 46'	0.64813187	2.454022707	107° 54'	252° 6'	0.65367830	2.405802775
106° 35'	253° 25'	0.64270479	2.501606156	107° 15'	252° 45'	0.64827078	2.452810027	107° 55'	252° 5'	0.65381670	2.404604806
106° 36'	253° 24'	0.64284418	2.500379010	107° 16'	252° 44'	0.64840968	2.451597715	107° 56'	252° 4'	0.65395509	2.403407203
106° 37'	253° 23'	0.64298356	2.499152237	107° 17'	252° 43'	0.64854856	2.450385774	107° 57'	252° 3'	0.65409346	2.402209966
106° 38'	253° 22'	0.64312292	2.497925836	107° 18'	252° 42'	0.64868743	2.449174201	107° 58'	252° 2'	0.65423182	2.401013095
106° 39'	253° 21'	0.64326227	2.496699807	107° 19'	252° 41'	0.64882629	2.447962997	107° 59'	252° 1'	0.65437016	2.399816590

108° 0'	252° 0'	0.65450849	2.398620451	108° 40'	251° 20'	0.66003093	2.351074016	109° 20'	250° 40'	0.66553170	2.304107960
108° 1'	251° 59'	0.65464681	2.397424677	108° 41'	251° 19'	0.66016872	2.349892811	109° 21'	250° 39'	0.66566894	2.302941204
108° 2'	251° 58'	0.65478512	2.396229270	108° 42'	251° 18'	0.66030649	2.348711969	109° 22'	250° 38'	0.66580616	2.301774806
108° 3'	251° 57'	0.65492341	2.395034228	108° 43'	251° 17'	0.66044425	2.347531490	109° 23'	250° 37'	0.66594337	2.300608769
108° 4'	251° 56'	0.65506169	2.393839551	108° 44'	251° 16'	0.66058200	2.346351373	109° 24'	250° 36'	0.66608056	2.299443090
108° 5'	251° 55'	0.65519996	2.392645240	108° 45'	251° 15'	0.66071973	2.345171619	109° 25'	250° 35'	0.66621774	2.298277772
108° 6'	251° 54'	0.65533821	2.391451295	108° 46'	251° 14'	0.66085745	2.343992227	109° 26'	250° 34'	0.66635491	2.297112812
108° 7'	251° 53'	0.65547645	2.390257715	108° 47'	251° 13'	0.66099515	2.342813197	109° 27'	250° 33'	0.66649206	2.295948212
108° 8'	251° 52'	0.65561468	2.389064500	108° 48'	251° 12'	0.66113284	2.341634529	109° 28'	250° 32'	0.66662919	2.294783971
108° 9'	251° 51'	0.65575289	2.387871650	108° 49'	251° 11'	0.66127052	2.340456224	109° 29'	250° 31'	0.66676632	2.293620089
108° 10'	251° 50'	0.65589109	2.386679165	108° 50'	251° 10'	0.66140818	2.339278280	109° 30'	250° 30'	0.66690343	2.292456567
108° 11'	251° 49'	0.65602928	2.385487046	108° 51'	251° 9'	0.66154584	2.338100699	109° 31'	250° 29'	0.66704052	2.291293403
108° 12'	251° 48'	0.65616745	2.384295291	108° 52'	251° 8'	0.66168347	2.336923479	109° 32'	250° 28'	0.66717760	2.290130598
108° 13'	251° 47'	0.65630562	2.383103901	108° 53'	251° 7'	0.66182110	2.335746622	109° 33'	250° 27'	0.66731467	2.288968152
108° 14'	251° 46'	0.65644376	2.381912876	108° 54'	251° 6'	0.66195870	2.334570126	109° 34'	250° 26'	0.66745172	2.287806065
108° 15'	251° 45'	0.65658190	2.380722216	108° 55'	251° 5'	0.66209630	2.333393992	109° 35'	250° 25'	0.66758876	2.286644337
108° 16'	251° 44'	0.65672002	2.379531920	108° 56'	251° 4'	0.66223388	2.332218219	109° 36'	250° 24'	0.66772578	2.285482967
108° 17'	251° 43'	0.65685813	2.378341989	108° 57'	251° 3'	0.66237145	2.331042808	109° 37'	250° 23'	0.66786279	2.284321956
108° 18'	251° 42'	0.65699622	2.377152422	108° 58'	251° 2'	0.66250900	2.329867758	109° 38'	250° 22'	0.66799979	2.283161303
108° 19'	251° 41'	0.65713431	2.375963220	108° 59'	251° 1'	0.66264655	2.328693070	109° 39'	250° 21'	0.66813677	2.282001008
108° 20'	251° 40'	0.65727237	2.374774382	109° 0'	251° 0'	0.66278407	2.327518743	109° 40'	250° 20'	0.66827373	2.280841072
108° 21'	251° 39'	0.65741043	2.373585908	109° 1'	250° 59'	0.66292159	2.326344777	109° 41'	250° 19'	0.66841069	2.279681495
108° 22'	251° 38'	0.65754847	2.372397799	109° 2'	250° 58'	0.66305909	2.325171172	109° 42'	250° 18'	0.66854762	2.278522275
108° 23'	251° 37'	0.65768650	2.371210053	109° 3'	250° 57'	0.66319657	2.323997929	109° 43'	250° 17'	0.66868455	2.277363413
108° 24'	251° 36'	0.65782451	2.370022672	109° 4'	250° 56'	0.66333404	2.322825046	109° 44'	250° 16'	0.66882146	2.276204910
108° 25'	251° 35'	0.65796252	2.368835655	109° 5'	250° 55'	0.66347150	2.321652525	109° 45'	250° 15'	0.66895835	2.275046765
108° 26'	251° 34'	0.65810050	2.367649001	109° 6'	250° 54'	0.66360894	2.320480364	109° 46'	250° 14'	0.66909524	2.273888977
108° 27'	251° 33'	0.65823848	2.366462711	109° 7'	250° 53'	0.66374638	2.319308564	109° 47'	250° 13'	0.66923210	2.272731547
108° 28'	251° 32'	0.65837644	2.365276785	109° 8'	250° 52'	0.66388379	2.318137124	109° 48'	250° 12'	0.66936896	2.271574475
108° 29'	251° 31'	0.65851439	2.364091223	109° 9'	250° 51'	0.66402119	2.316966046	109° 49'	250° 11'	0.66950579	2.270417761
108° 30'	251° 30'	0.65865232	2.362906024	109° 10'	250° 50'	0.66415858	2.315795328	109° 50'	250° 10'	0.66964262	2.269261404
108° 31'	251° 29'	0.65879025	2.361721189	109° 11'	250° 49'	0.66429596	2.314624970	109° 51'	250° 9'	0.66977943	2.268105405
108° 32'	251° 28'	0.65892815	2.360536717	109° 12'	250° 48'	0.66443332	2.313454973	109° 52'	250° 8'	0.66991622	2.266949763
108° 33'	251° 27'	0.65906605	2.359352608	109° 13'	250° 47'	0.66457067	2.312285336	109° 53'	250° 7'	0.67005300	2.265794478
108° 34'	251° 26'	0.65920393	2.358168863	109° 14'	250° 46'	0.66470800	2.311116059	109° 54'	250° 6'	0.67018977	2.264639551
108° 35'	251° 25'	0.65934180	2.356985481	109° 15'	250° 45'	0.66484532	2.309947143	109° 55'	250° 5'	0.67032652	2.263484981
108° 36'	251° 24'	0.65947965	2.355802462	109° 16'	250° 44'	0.66498262	2.308778586	109° 56'	250° 4'	0.67046326	2.262330769
108° 37'	251° 23'	0.65961749	2.354619806	109° 17'	250° 43'	0.66511991	2.307610390	109° 57'	250° 3'	0.67059998	2.261176913
108° 38'	251° 22'	0.65975532	2.353437513	109° 18'	250° 42'	0.66525719	2.306442554	109° 58'	250° 2'	0.67073669	2.260023414
108° 39'	251° 21'	0.65989313	2.352255583	109° 19'	250° 41'	0.66539446	2.305275077	109° 59'	250° 1'	0.67087339	2.258870273



110° 0'	250° 0'	0.67101007 2	2.257717488	110° 40'	249° 20'	0.67646528 2	2.211897899	111° 20'	248° 40'	0.68189660 2	2.166644589
110° 1'	249° 59'	0.67114673 7	2.256565060	110° 41'	249° 19'	0.67660136 0	2.210759684	111° 21'	248° 39'	0.68203207 3	2.165520473
110° 2'	249° 58'	0.67128338 8	2.255412989	110° 42'	249° 18'	0.67673742 2	2.209621822	111° 22'	248° 38'	0.68216752 8	2.164396707
110° 3'	249° 57'	0.67142002 5	2.254261274	110° 43'	249° 17'	0.67687346 9	2.208484314	111° 23'	248° 37'	0.68230296 8	2.163273293
110° 4'	249° 56'	0.67155664 7	2.253109916	110° 44'	249° 16'	0.67700950 2	2.207347160	111° 24'	248° 36'	0.68243839 2	2.162150229
110° 5'	249° 55'	0.67169325 4	2.251958915	110° 45'	249° 15'	0.67714551 9	2.206210360	111° 25'	248° 35'	0.68257380 1	2.161027516
110° 6'	249° 54'	0.67182984 7	2.250808269	110° 46'	249° 14'	0.67728152 1	2.205073913	111° 26'	248° 34'	0.68270919 4	2.159905154
110° 7'	249° 53'	0.67196642 6	2.249657981	110° 47'	249° 13'	0.67741750 9	2.203937820	111° 27'	248° 33'	0.68284457 2	2.158783143
110° 8'	249° 52'	0.67210299 0	2.248508048	110° 48'	249° 12'	0.67755348 1	2.202802080	111° 28'	248° 32'	0.68297993 5	2.157661482
110° 9'	249° 51'	0.67223953 9	2.247358472	110° 49'	249° 11'	0.67768943 9	2.201666694	111° 29'	248° 31'	0.68311528 2	2.156540172
110° 10'	249° 50'	0.67237607 4	2.246209252	110° 50'	249° 10'	0.67782538 1	2.200531661	111° 30'	248° 30'	0.68325061 3	2.155419212
110° 11'	249° 49'	0.67251259 4	2.245060388	110° 51'	249° 9'	0.67796130 8	2.199396981	111° 31'	248° 29'	0.68338592 9	2.154298603
110° 12'	249° 48'	0.67264910 0	2.243911880	110° 52'	249° 8'	0.67809722 0	2.198262654	111° 32'	248° 28'	0.68352123 0	2.153178344
110° 13'	249° 47'	0.67278559 0	2.242763728	110° 53'	249° 7'	0.67823311 8	2.197128680	111° 33'	248° 27'	0.68365651 5	2.152058435
110° 14'	249° 46'	0.67292206 7	2.241615932	110° 54'	249° 6'	0.67836900 0	2.195995059	111° 34'	248° 26'	0.68379178 4	2.150938877
110° 15'	249° 45'	0.67305852 9	2.240468491	110° 55'	249° 5'	0.67850486 7	2.194861791	111° 35'	248° 25'	0.68392703 8	2.149819668
110° 16'	249° 44'	0.67319497 6	2.239321406	110° 56'	249° 4'	0.67864071 9	2.193728876	111° 36'	248° 24'	0.68406227 6	2.148700810
110° 17'	249° 43'	0.67333140 8	2.238174677	110° 57'	249° 3'	0.67877655 5	2.192596314	111° 37'	248° 23'	0.68419749 9	2.147582302
110° 18'	249° 42'	0.67346782 6	2.237028304	110° 58'	249° 2'	0.67891237 7	2.191464104	111° 38'	248° 22'	0.68433270 6	2.146464143
110° 19'	249° 41'	0.67360422 9	2.235882286	110° 59'	249° 1'	0.67904818 3	2.190332247	111° 39'	248° 21'	0.68446789 8	2.145346335
110° 20'	249° 40'	0.67374061 7	2.234736623	111° 0'	249° 0'	0.67918397 5	2.189200743	111° 40'	248° 20'	0.68460307 4	2.144228876
110° 21'	249° 39'	0.67387699 1	2.233591316	111° 1'	248° 59'	0.67931975 1	2.188069591	111° 41'	248° 19'	0.68473823 4	2.143111767
110° 22'	249° 38'	0.67401335 0	2.232446364	111° 2'	248° 58'	0.67945551 2	2.186938792	111° 42'	248° 18'	0.68487337 9	2.141995008
110° 23'	249° 37'	0.67414969 4	2.231301767	111° 3'	248° 57'	0.67959125 8	2.185808345	111° 43'	248° 17'	0.68500850 8	2.140878598
110° 24'	249° 36'	0.67428602 4	2.230157525	111° 4'	248° 56'	0.67972698 8	2.184678250	111° 44'	248° 16'	0.68514362 1	2.139762537
110° 25'	249° 35'	0.67442233 8	2.229013639	111° 5'	248° 55'	0.67986270 4	2.183548508	111° 45'	248° 15'	0.68527871 9	2.138646826
110° 26'	249° 34'	0.67455863 8	2.227870107	111° 6'	248° 54'	0.67999840 4	2.182419117	111° 46'	248° 14'	0.68541380 1	2.137531465
110° 27'	249° 33'	0.67469492 4	2.226726930	111° 7'	248° 53'	0.68013408 9	2.181290079	111° 47'	248° 13'	0.68554886 7	2.136416453
110° 28'	249° 32'	0.67483119 4	2.225584109	111° 8'	248° 52'	0.68026975 9	2.180161393	111° 48'	248° 12'	0.68568391 8	2.135301790
110° 29'	249° 31'	0.67496745 0	2.224441642	111° 9'	248° 51'	0.68040541 3	2.179033059	111° 49'	248° 11'	0.68581895 3	2.134187476
110° 30'	249° 30'	0.67510369 1	2.223299529	111° 10'	248° 50'	0.68054105 2	2.177905076	111° 50'	248° 10'	0.68595397 2	2.133073511
110° 31'	249° 29'	0.67523991 7	2.222157772	111° 11'	248° 49'	0.68067667 6	2.176777446	111° 51'	248° 9'	0.68608897 5	2.131959895
110° 32'	249° 28'	0.67537612 8	2.221016368	111° 12'	248° 48'	0.68081228 5	2.175650167	111° 52'	248° 8'	0.68622396 3	2.130846628
110° 33'	249° 27'	0.67551232 4	2.219875320	111° 13'	248° 47'	0.68094787 8	2.174523239	111° 53'	248° 7'	0.68635893 5	2.129733711
110° 34'	249° 26'	0.67564850 6	2.218734626	111° 14'	248° 46'	0.68108345 6	2.173396664	111° 54'	248° 6'	0.68649389 1	2.128621142
110° 35'	249° 25'	0.67578467 2	2.217594286	111° 15'	248° 45'	0.68121901 9	2.172270440	111° 55'	248° 5'	0.68662883 2	2.127508921
110° 36'	249° 24'	0.67592082 4	2.216454300	111° 16'	248° 44'	0.68135456 7	2.171144567	111° 56'	248° 4'	0.68676375 6	2.126397050
110° 37'	249° 23'	0.67605696 1	2.215314669	111° 17'	248° 43'	0.68149009 9	2.170019046	111° 57'	248° 3'	0.68689866 5	2.125285527
110° 38'	249° 22'	0.67619308 3	2.214175391	111° 18'	248° 42'	0.68162561 5	2.168893876	111° 58'	248° 2'	0.68703355 8	2.124174352
110° 39'	249° 21'	0.67632919 0	2.213036468	111° 19'	248° 41'	0.68176111 7	2.167769057	111° 59'	248° 1'	0.68716843 5	2.123063526

112° 0'	248° 0'	0.68730329 7	2.121953048	112° 40'	247° 20'	0.69268463 3	2.077818857	113° 20'	246° 40'	0.69803988 3	2.034237686
112° 1'	247° 59'	0.68743814 2	2.120842919	112° 41'	247° 19'	0.69281883 5	2.076722606	113° 21'	246° 39'	0.69817342 4	2.033155205
112° 2'	247° 58'	0.68757297 2	2.119733138	112° 42'	247° 18'	0.69295302 1	2.075626700	113° 22'	246° 38'	0.69830694 8	2.032073067
112° 3'	247° 57'	0.68770778 6	2.118623705	112° 43'	247° 17'	0.69308719 1	2.074531140	113° 23'	246° 37'	0.69844045 5	2.030991273
112° 4'	247° 56'	0.68784258 3	2.117514621	112° 44'	247° 16'	0.69322134 4	2.073435925	113° 24'	246° 36'	0.69857394 5	2.029909820
112° 5'	247° 55'	0.68797736 5	2.116405884	112° 45'	247° 15'	0.69335548 1	2.072341055	113° 25'	246° 35'	0.69870741 9	2.028828711
112° 6'	247° 54'	0.68811213 2	2.115297496	112° 46'	247° 14'	0.69348960 1	2.071246531	113° 26'	246° 34'	0.69884087 6	2.027747944
112° 7'	247° 53'	0.68824688 2	2.114189455	112° 47'	247° 13'	0.69362370 5	2.070152352	113° 27'	246° 33'	0.69897431 6	2.026667520
112° 8'	247° 52'	0.68838161 6	2.113081762	112° 48'	247° 12'	0.69375779 3	2.069058518	113° 28'	246° 32'	0.69910773 9	2.025587439
112° 9'	247° 51'	0.68851633 4	2.111974417	112° 49'	247° 11'	0.69389186 5	2.067965030	113° 29'	246° 31'	0.69924114 5	2.024507700
112° 10'	247° 50'	0.68865103 7	2.110867420	112° 50'	247° 10'	0.69402592 0	2.066871886	113° 30'	246° 30'	0.69937453 4	2.023428303
112° 11'	247° 49'	0.68878572 3	2.109760770	112° 51'	247° 9'	0.69415995 8	2.065779087	113° 31'	246° 29'	0.69950790 7	2.022349249
112° 12'	247° 48'	0.68892039 3	2.108654468	112° 52'	247° 8'	0.69429398 0	2.064686633	113° 32'	246° 28'	0.69964126 3	2.021270536
112° 13'	247° 47'	0.68905504 8	2.107548514	112° 53'	247° 7'	0.69442798 6	2.063594524	113° 33'	246° 27'	0.69977460 1	2.020192167
112° 14'	247° 46'	0.68918968 6	2.106442906	112° 54'	247° 6'	0.69456197 5	2.062502760	113° 34'	246° 26'	0.69990792 3	2.019114139
112° 15'	247° 45'	0.68932430 9	2.105337647	112° 55'	247° 5'	0.69469594 8	2.061411341	113° 35'	246° 25'	0.70004122 8	2.018036453
112° 16'	247° 44'	0.68945891 5	2.104232734	112° 56'	247° 4'	0.69482990 4	2.060320266	113° 36'	246° 24'	0.70017451 6	2.016959109
112° 17'	247° 43'	0.68959350 5	2.103128169	112° 57'	247° 3'	0.69496384 4	2.059229535	113° 37'	246° 23'	0.70030778 7	2.015882107
112° 18'	247° 42'	0.68972808 0	2.102023951	112° 58'	247° 2'	0.69509776 7	2.058139150	113° 38'	246° 22'	0.70044104 2	2.014805448
112° 19'	247° 41'	0.68986263 8	2.100920081	112° 59'	247° 1'	0.69523167 4	2.057049108	113° 39'	246° 21'	0.70057427 9	2.013729129
112° 20'	247° 40'	0.68999718 0	2.099816557	113° 0'	247° 0'	0.69536556 4	2.055959411	113° 40'	246° 20'	0.70070749 9	2.012653153
112° 21'	247° 39'	0.69013170 6	2.098713380	113° 1'	246° 59'	0.69549943 8	2.054870058	113° 41'	246° 19'	0.70084070 2	2.011577518
112° 22'	247° 38'	0.69026621 6	2.097610550	113° 2'	246° 58'	0.69563329 5	2.053781050	113° 42'	246° 18'	0.70097388 8	2.010502225
112° 23'	247° 37'	0.69040071 0	2.096508067	113° 3'	246° 57'	0.69576713 6	2.052692386	113° 43'	246° 17'	0.70110705 8	2.009427274
112° 24'	247° 36'	0.69053518 8	2.095405931	113° 4'	246° 56'	0.69590096 0	2.051604065	113° 44'	246° 16'	0.70124021 0	2.008352664
112° 25'	247° 35'	0.69066965 0	2.094304141	113° 5'	246° 55'	0.69603476 7	2.050516089	113° 45'	246° 15'	0.70137334 5	2.007278395
112° 26'	247° 34'	0.69080409 5	2.093202698	113° 6'	246° 54'	0.69616855 8	2.049428457	113° 46'	246° 14'	0.70150646 3	2.006204468
112° 27'	247° 33'	0.69093852 5	2.092101602	113° 7'	246° 53'	0.69630233 3	2.048341169	113° 47'	246° 13'	0.70163956 4	2.005130882
112° 28'	247° 32'	0.69107293 8	2.091000852	113° 8'	246° 52'	0.69643609 0	2.047254224	113° 48'	246° 12'	0.70177264 8	2.004057637
112° 29'	247° 31'	0.69120733 5	2.089900449	113° 9'	246° 51'	0.69656983 1	2.046167623	113° 49'	246° 11'	0.70190571 5	2.002984733
112° 30'	247° 30'	0.69134171 6	2.088800392	113° 10'	246° 50'	0.69670355 6	2.045081366	113° 50'	246° 10'	0.70203876 5	2.001912171
112° 31'	247° 29'	0.69147608 1	2.087700681	113° 11'	246° 49'	0.69683726 4	2.043995453	113° 51'	246° 9'	0.70217179 8	2.000839949
112° 32'	247° 28'	0.69161042 9	2.086601317	113° 12'	246° 48'	0.69697095 5	2.042909883	113° 52'	246° 8'	0.70230481 3	1.999768068
112° 33'	247° 27'	0.69174476 2	2.085502298	113° 13'	246° 47'	0.69710462 9	2.041824657	113° 53'	246° 7'	0.70243781 2	1.998696529
112° 34'	247° 26'	0.69187907 8	2.084403626	113° 14'	246° 46'	0.69723828 7	2.040739774	113° 54'	246° 6'	0.70257079 3	1.997625330
112° 35'	247° 25'	0.69201337 8	2.083305300	113° 15'	246° 45'	0.69737192 8	2.039655235	113° 55'	246° 5'	0.70270375 8	1.996554472
112° 36'	247° 24'	0.69214766 1	2.082207320	113° 16'	246° 44'	0.69750555 3	2.038571039	113° 56'	246° 4'	0.70283670 5	1.995483955
112° 37'	247° 23'	0.69228192 9	2.081109685	113° 17'	246° 43'	0.69763916 0	2.037487186	113° 57'	246° 3'	0.70296963 5	1.994413778
112° 38'	247° 22'	0.69241618 0	2.080012397	113° 18'	246° 42'	0.69777275 1	2.036403676	113° 58'	246° 2'	0.70310254 8	1.993343942
112° 39'	247° 21'	0.69255041 5	2.078915454	113° 19'	246° 41'	0.69790632 6	2.035320509	113° 59'	246° 1'	0.70323544 3	1.992274446

114° 0'	246° 0'	0.70336832	1.991205291	114° 40'	245° 20'	0.70866922	1.948717515	115° 20'	244° 40'	0.71394188	1.906770286
114° 1'	245° 59'	0.70350118	1.990136476	114° 41'	245° 19'	0.70880139	1.947662264	115° 21'	244° 39'	0.71407333	1.905728496
114° 2'	245° 58'	0.70363402	1.989068002	114° 42'	245° 18'	0.70893353	1.946607350	115° 22'	244° 38'	0.71420476	1.904687041
114° 3'	245° 57'	0.70376685	1.987999867	114° 43'	245° 17'	0.70906566	1.945552773	115° 23'	244° 37'	0.71433617	1.903645922
114° 4'	245° 56'	0.70389966	1.986932073	114° 44'	245° 16'	0.70919777	1.944498534	115° 24'	244° 36'	0.71446756	1.902605138
114° 5'	245° 55'	0.70403245	1.985864619	114° 45'	245° 15'	0.70932986	1.943444633	115° 25'	244° 35'	0.71459894	1.901564689
114° 6'	245° 54'	0.70416523	1.984797506	114° 46'	245° 14'	0.70946194	1.942391070	115° 26'	244° 34'	0.71473030	1.900524575
114° 7'	245° 53'	0.70429798	1.983730732	114° 47'	245° 13'	0.70959400	1.941337844	115° 27'	244° 33'	0.71486163	1.899484796
114° 8'	245° 52'	0.70443072	1.982664298	114° 48'	245° 12'	0.70972604	1.940284955	115° 28'	244° 32'	0.71499296	1.898445352
114° 9'	245° 51'	0.70456345	1.981598204	114° 49'	245° 11'	0.70985806	1.939232403	115° 29'	244° 31'	0.71512426	1.897406243
114° 10'	245° 50'	0.70469615	1.980532450	114° 50'	245° 10'	0.70999006	1.938180189	115° 30'	244° 30'	0.71525554	1.896367469
114° 11'	245° 49'	0.70482884	1.979467035	114° 51'	245° 9'	0.71012205	1.937128312	115° 31'	244° 29'	0.71538681	1.895329029
114° 12'	245° 48'	0.70496151	1.978401960	114° 52'	245° 8'	0.71025402	1.936076772	115° 32'	244° 28'	0.71551806	1.894290924
114° 13'	245° 47'	0.70509417	1.977337225	114° 53'	245° 7'	0.71038597	1.935025570	115° 33'	244° 27'	0.71564929	1.893253154
114° 14'	245° 46'	0.70522680	1.976272829	114° 54'	245° 6'	0.71051790	1.933974704	115° 34'	244° 26'	0.71578050	1.892215718
114° 15'	245° 45'	0.70535942	1.975208773	114° 55'	245° 5'	0.71064982	1.932924175	115° 35'	244° 25'	0.71591169	1.891178616
114° 16'	245° 44'	0.70549202	1.974145056	114° 56'	245° 4'	0.71078171	1.931873983	115° 36'	244° 24'	0.71604287	1.890141849
114° 17'	245° 43'	0.70562461	1.973081679	114° 57'	245° 3'	0.71091359	1.930824128	115° 37'	244° 23'	0.71617403	1.889105417
114° 18'	245° 42'	0.70575717	1.972018641	114° 58'	245° 2'	0.71104546	1.929774610	115° 38'	244° 22'	0.71630517	1.888069318
114° 19'	245° 41'	0.70588972	1.970955942	114° 59'	245° 1'	0.71117730	1.928725429	115° 39'	244° 21'	0.71643629	1.887033554
114° 20'	245° 40'	0.70602226	1.969893582	115° 0'	245° 0'	0.71130913	1.927676584	115° 40'	244° 20'	0.71656739	1.885998124
114° 21'	245° 39'	0.70615477	1.968831562	115° 1'	244° 59'	0.71144093	1.926628075	115° 41'	244° 19'	0.71669847	1.884963029
114° 22'	245° 38'	0.70628727	1.967769880	115° 2'	244° 58'	0.71157272	1.925579904	115° 42'	244° 18'	0.71682954	1.883928267
114° 23'	245° 37'	0.70641975	1.966708538	115° 3'	244° 57'	0.71170450	1.924532068	115° 43'	244° 17'	0.71696058	1.882893839
114° 24'	245° 36'	0.70655221	1.965647534	115° 4'	244° 56'	0.71183625	1.923484569	115° 44'	244° 16'	0.71709161	1.881859745
114° 25'	245° 35'	0.70668466	1.964586869	115° 5'	244° 55'	0.71196799	1.922437407	115° 45'	244° 15'	0.71722262	1.880825985
114° 26'	245° 34'	0.70681708	1.963526543	115° 6'	244° 54'	0.71209971	1.921390580	115° 46'	244° 14'	0.71735362	1.879792559
114° 27'	245° 33'	0.70694949	1.962466556	115° 7'	244° 53'	0.71223141	1.920344090	115° 47'	244° 13'	0.71748459	1.878759467
114° 28'	245° 32'	0.70708188	1.961406907	115° 8'	244° 52'	0.71236309	1.919297936	115° 48'	244° 12'	0.71761555	1.877726708
114° 29'	245° 31'	0.70721426	1.960347597	115° 9'	244° 51'	0.71249475	1.918252118	115° 49'	244° 11'	0.71774648	1.876694283
114° 30'	245° 30'	0.70734662	1.959288625	115° 10'	244° 50'	0.71262640	1.917206637	115° 50'	244° 10'	0.71787740	1.875662191
114° 31'	245° 29'	0.70747896	1.958229992	115° 11'	244° 49'	0.71275803	1.916161491	115° 51'	244° 9'	0.71800830	1.874630433
114° 32'	245° 28'	0.70761128	1.957171698	115° 12'	244° 48'	0.71288964	1.915116681	115° 52'	244° 8'	0.71813918	1.873599009
114° 33'	245° 27'	0.70774358	1.956113741	115° 13'	244° 47'	0.71302123	1.914072206	115° 53'	244° 7'	0.71827005	1.872567918
114° 34'	245° 26'	0.70787587	1.955056123	115° 14'	244° 46'	0.71315281	1.913028068	115° 54'	244° 6'	0.71840089	1.871537160
114° 35'	245° 25'	0.70800814	1.953998844	115° 15'	244° 45'	0.71328437	1.911984265	115° 55'	244° 5'	0.71853172	1.870506735
114° 36'	245° 24'	0.70814039	1.952941902	115° 16'	244° 44'	0.71341590	1.910940798	115° 56'	244° 4'	0.71866252	1.869476644
114° 37'	245° 23'	0.70827263	1.951885298	115° 17'	244° 43'	0.71354742	1.909897667	115° 57'	244° 3'	0.71879331	1.868446886
114° 38'	245° 22'	0.70840484	1.950829033	115° 18'	244° 42'	0.71367893	1.908854871	115° 58'	244° 2'	0.71892408	1.867417460
114° 39'	245° 21'	0.70853704	1.949773105	115° 19'	244° 41'	0.71381041	1.907812411	115° 59'	244° 1'	0.71905484	1.866388368

116° 0'	244° 0'	0.71918557 3	1.865359609	116° 40'	243° 20'	0.72439959 0	1.824481573	117° 20'	242° 40'	0.72958322 7	1.784132345
116° 1'	243° 59'	0.71931628 8	1.864331183	116° 41'	243° 19'	0.72452955 4	1.823466414	117° 21'	242° 39'	0.72971242 2	1.783130357
116° 2'	243° 58'	0.71944698 5	1.863303089	116° 42'	243° 18'	0.72465949 9	1.822451584	117° 22'	242° 38'	0.72984159 8	1.782128697
116° 3'	243° 57'	0.71957766 3	1.862275328	116° 43'	243° 17'	0.72478942 5	1.821437085	117° 23'	242° 37'	0.72997075 5	1.781127365
116° 4'	243° 56'	0.71970832 2	1.861247900	116° 44'	243° 16'	0.72491933 2	1.820422917	117° 24'	242° 36'	0.73009989 2	1.780126361
116° 5'	243° 55'	0.71983896 3	1.860220805	116° 45'	243° 15'	0.72504922 1	1.819409079	117° 25'	242° 35'	0.73022901 0	1.779125685
116° 6'	243° 54'	0.71996958 5	1.859194042	116° 46'	243° 14'	0.72517909 0	1.818395570	117° 26'	242° 34'	0.73035810 8	1.778125337
116° 7'	243° 53'	0.72010018 8	1.858167612	116° 47'	243° 13'	0.72530893 9	1.817382392	117° 27'	242° 33'	0.73048718 7	1.777125317
116° 8'	243° 52'	0.72023077 3	1.857141514	116° 48'	243° 12'	0.72543877 0	1.816369545	117° 28'	242° 32'	0.73061624 7	1.776125624
116° 9'	243° 51'	0.72036134 0	1.856115749	116° 49'	243° 11'	0.72556858 2	1.815357027	117° 29'	242° 31'	0.73074528 6	1.775126260
116° 10'	243° 50'	0.72049188 7	1.855090316	116° 50'	243° 10'	0.72569837 5	1.814344839	117° 30'	242° 30'	0.73087430 7	1.774127222
116° 11'	243° 49'	0.72062241 6	1.854065215	116° 51'	243° 9'	0.72582814 8	1.813332981	117° 31'	242° 29'	0.73100330 7	1.773128513
116° 12'	243° 48'	0.72075292 6	1.853040447	116° 52'	243° 8'	0.72595790 3	1.812321453	117° 32'	242° 28'	0.73113228 9	1.772130130
116° 13'	243° 47'	0.72088341 8	1.852016011	116° 53'	243° 7'	0.72608763 8	1.811310254	117° 33'	242° 27'	0.73126125 0	1.771132076
116° 14'	243° 46'	0.72101389 1	1.850991906	116° 54'	243° 6'	0.72621735 5	1.810299386	117° 34'	242° 26'	0.73139019 2	1.770134348
116° 15'	243° 45'	0.72114434 5	1.849968134	116° 55'	243° 5'	0.72634705 2	1.809288847	117° 35'	242° 25'	0.73151911 5	1.769136948
116° 16'	243° 44'	0.72127478 1	1.848944694	116° 56'	243° 4'	0.72647673 0	1.808278637	117° 36'	242° 24'	0.73164801 8	1.768139876
116° 17'	243° 43'	0.72140519 7	1.847921586	116° 57'	243° 3'	0.72660638 9	1.807268758	117° 37'	242° 23'	0.73177690 1	1.767143130
116° 18'	243° 42'	0.72153559 5	1.846898810	116° 58'	243° 2'	0.72673602 8	1.806259207	117° 38'	242° 22'	0.73190576 5	1.766146712
116° 19'	243° 41'	0.72166597 5	1.845876365	116° 59'	243° 1'	0.72686564 9	1.805249986	117° 39'	242° 21'	0.73203460 9	1.765150621
116° 20'	243° 40'	0.72179633 5	1.844854252	117° 0'	243° 0'	0.72699525 0	1.804241095	117° 40'	242° 20'	0.73216343 3	1.764154857
116° 21'	243° 39'	0.72192667 7	1.843832471	117° 1'	242° 59'	0.72712483 2	1.803232533	117° 41'	242° 19'	0.73229223 8	1.763159420
116° 22'	243° 38'	0.72205700 0	1.842811022	117° 2'	242° 58'	0.72725439 5	1.802224300	117° 42'	242° 18'	0.73242102 3	1.762164309
116° 23'	243° 37'	0.72218730 4	1.841789904	117° 3'	242° 57'	0.72738393 8	1.801216396	117° 43'	242° 17'	0.73254978 8	1.761169526
116° 24'	243° 36'	0.72231759 0	1.840769118	117° 4'	242° 56'	0.72751346 3	1.800208822	117° 44'	242° 16'	0.73267853 4	1.760175070
116° 25'	243° 35'	0.72244785 6	1.839748663	117° 5'	242° 55'	0.72764296 8	1.799201576	117° 45'	242° 15'	0.73280726 0	1.759180940
116° 26'	243° 34'	0.72257810 4	1.838728539	117° 6'	242° 54'	0.72777245 4	1.798194660	117° 46'	242° 14'	0.73293596 7	1.758187137
116° 27'	243° 33'	0.72270833 3	1.837708747	117° 7'	242° 53'	0.72790192 0	1.797188072	117° 47'	242° 13'	0.73306465 3	1.757193660
116° 28'	243° 32'	0.72283854 3	1.836689286	117° 8'	242° 52'	0.72803136 7	1.796181814	117° 48'	242° 12'	0.73319332 0	1.756200511
116° 29'	243° 31'	0.72296873 4	1.835670157	117° 9'	242° 51'	0.72816079 5	1.795175884	117° 49'	242° 11'	0.73332196 7	1.755207687
116° 30'	243° 30'	0.72309890 7	1.834651358	117° 10'	242° 50'	0.72829020 4	1.794170283	117° 50'	242° 10'	0.73345059 5	1.754215191
116° 31'	243° 29'	0.72322906 0	1.833632891	117° 11'	242° 49'	0.72841959 3	1.793165011	117° 51'	242° 9'	0.73357920 3	1.753223020
116° 32'	243° 28'	0.72335919 5	1.832614754	117° 12'	242° 48'	0.72854896 4	1.792160068	117° 52'	242° 8'	0.73370779 1	1.752231176
116° 33'	243° 27'	0.72348931 0	1.831596949	117° 13'	242° 47'	0.72867831 4	1.791155453	117° 53'	242° 7'	0.73383635 9	1.751239659
116° 34'	243° 26'	0.72361940 7	1.830579474	117° 14'	242° 46'	0.72880764 6	1.790151167	117° 54'	242° 6'	0.73396490 7	1.750248467
116° 35'	243° 25'	0.72374948 5	1.829562331	117° 15'	242° 45'	0.72893695 8	1.789147209	117° 55'	242° 5'	0.73409343 6	1.749257602
116° 36'	243° 24'	0.72387954 4	1.828545518	117° 16'	242° 44'	0.72906625 0	1.788143579	117° 56'	242° 4'	0.73422194 5	1.748267063
116° 37'	243° 23'	0.72400958 4	1.827529036	117° 17'	242° 43'	0.72919552 3	1.787140278	117° 57'	242° 3'	0.73435043 3	1.747276850
116° 38'	243° 22'	0.72413960 5	1.826512884	117° 18'	242° 42'	0.72932477 7	1.786137306	117° 58'	242° 2'	0.73447890 3	1.746286963
116° 39'	243° 21'	0.72426960 7	1.825497064	117° 19'	242° 41'	0.72945401 2	1.785134661	117° 59'	242° 1'	0.73460735 2	1.745297402

118° 0'	242° 0'	0.73473578	1.744308167	118° 40'	241° 20'	0.73985655	1.705005357	119° 20'	240° 40'	0.74494485	1.666220305
118° 1'	241° 59'	0.73486419	1.743319258	118° 41'	241° 19'	0.73998416	1.704029435	119° 21'	240° 39'	0.74507164	1.665257282
118° 2'	241° 58'	0.73499258	1.742330674	118° 42'	241° 18'	0.74011174	1.703053837	119° 22'	240° 38'	0.74519840	1.664294580
118° 3'	241° 57'	0.73512095	1.741342416	118° 43'	241° 17'	0.74023931	1.702078562	119° 23'	240° 37'	0.74532515	1.663332200
118° 4'	241° 56'	0.73524930	1.740354484	118° 44'	241° 16'	0.74036686	1.701103611	119° 24'	240° 36'	0.74545187	1.662370140
118° 5'	241° 55'	0.73537763	1.739366878	118° 45'	241° 15'	0.74049438	1.700128983	119° 25'	240° 35'	0.74557857	1.661408402
118° 6'	241° 54'	0.73550594	1.738379597	118° 46'	241° 14'	0.74062188	1.699154679	119° 26'	240° 34'	0.74570526	1.660446985
118° 7'	241° 53'	0.73563423	1.737392642	118° 47'	241° 13'	0.74074937	1.698180698	119° 27'	240° 33'	0.74583192	1.659485889
118° 8'	241° 52'	0.73576250	1.736406012	118° 48'	241° 12'	0.74087683	1.697207040	119° 28'	240° 32'	0.74595856	1.658525114
118° 9'	241° 51'	0.73589075	1.735419707	118° 49'	241° 11'	0.74100428	1.696233705	119° 29'	240° 31'	0.74608518	1.657564660
118° 10'	241° 50'	0.73601898	1.734433728	118° 50'	241° 10'	0.74113170	1.695260693	119° 30'	240° 30'	0.74621178	1.656604527
118° 11'	241° 49'	0.73614719	1.733448074	118° 51'	241° 9'	0.74125910	1.694288005	119° 31'	240° 29'	0.74633835	1.655644714
118° 12'	241° 48'	0.73627538	1.732462746	118° 52'	241° 8'	0.74138648	1.693315639	119° 32'	240° 28'	0.74646491	1.654685223
118° 13'	241° 47'	0.73640355	1.731477742	118° 53'	241° 7'	0.74151385	1.692343596	119° 33'	240° 27'	0.74659145	1.653726052
118° 14'	241° 46'	0.73653170	1.730493064	118° 54'	241° 6'	0.74164119	1.691371876	119° 34'	240° 26'	0.74671796	1.652767202
118° 15'	241° 45'	0.73665983	1.729508711	118° 55'	241° 5'	0.74176851	1.690400479	119° 35'	240° 25'	0.74684446	1.651808672
118° 16'	241° 44'	0.73678794	1.728524682	118° 56'	241° 4'	0.74189581	1.689429405	119° 36'	240° 24'	0.74697093	1.650850463
118° 17'	241° 43'	0.73691603	1.727540979	118° 57'	241° 3'	0.74202309	1.688458653	119° 37'	240° 23'	0.74709738	1.649892575
118° 18'	241° 42'	0.73704410	1.726557601	118° 58'	241° 2'	0.74215035	1.687488224	119° 38'	240° 22'	0.74722381	1.648935006
118° 19'	241° 41'	0.73717215	1.725574547	118° 59'	241° 1'	0.74227759	1.686518118	119° 39'	240° 21'	0.74735022	1.647977759
118° 20'	241° 40'	0.73730018	1.724591818	119° 0'	241° 0'	0.74240481	1.685548334	119° 40'	240° 20'	0.74747661	1.647020832
118° 21'	241° 39'	0.73742819	1.723609414	119° 1'	240° 59'	0.74253200	1.684578872	119° 41'	240° 19'	0.74760298	1.646064225
118° 22'	241° 38'	0.73755618	1.722627334	119° 2'	240° 58'	0.74265918	1.683609734	119° 42'	240° 18'	0.74772933	1.645107938
118° 23'	241° 37'	0.73768415	1.721645579	119° 3'	240° 57'	0.74278634	1.682640917	119° 43'	240° 17'	0.74785566	1.644151971
118° 24'	241° 36'	0.73781210	1.720664149	119° 4'	240° 56'	0.74291347	1.681672423	119° 44'	240° 16'	0.74798196	1.643196325
118° 25'	241° 35'	0.73794003	1.719683043	119° 5'	240° 55'	0.74304059	1.680704251	119° 45'	240° 15'	0.74810825	1.642240999
118° 26'	241° 34'	0.73806794	1.718702262	119° 6'	240° 54'	0.74316769	1.679736401	119° 46'	240° 14'	0.74823451	1.641285992
118° 27'	241° 33'	0.73819583	1.717721805	119° 7'	240° 53'	0.74329476	1.678768873	119° 47'	240° 13'	0.74836075	1.640331306
118° 28'	241° 32'	0.73832370	1.716741672	119° 8'	240° 52'	0.74342181	1.677801668	119° 48'	240° 12'	0.74848698	1.639376940
118° 29'	241° 31'	0.73845155	1.715761864	119° 9'	240° 51'	0.74354885	1.676834784	119° 49'	240° 11'	0.74861318	1.638422893
118° 30'	241° 30'	0.73857938	1.714782380	119° 10'	240° 50'	0.74367586	1.675868223	119° 50'	240° 10'	0.74873936	1.637469166
118° 31'	241° 29'	0.73870718	1.713803219	119° 11'	240° 49'	0.74380285	1.674901983	119° 51'	240° 9'	0.74886552	1.636515759
118° 32'	241° 28'	0.73883497	1.712824383	119° 12'	240° 48'	0.74392983	1.673936066	119° 52'	240° 8'	0.74899165	1.635562672
118° 33'	241° 27'	0.73896274	1.711845872	119° 13'	240° 47'	0.74405678	1.672970470	119° 53'	240° 7'	0.74911777	1.634609905
118° 34'	241° 26'	0.73909049	1.710867684	119° 14'	240° 46'	0.74418371	1.672005196	119° 54'	240° 6'	0.74924387	1.633657457
118° 35'	241° 25'	0.73921822	1.709889820	119° 15'	240° 45'	0.74431062	1.671040243	119° 55'	240° 5'	0.74936994	1.632705328
118° 36'	241° 24'	0.73934592	1.708912279	119° 16'	240° 44'	0.74443751	1.670075613	119° 56'	240° 4'	0.74949599	1.631753519
118° 37'	241° 23'	0.73947361	1.707935063	119° 17'	240° 43'	0.74456437	1.669111304	119° 57'	240° 3'	0.74962203	1.630802030
118° 38'	241° 22'	0.73960128	1.706958171	119° 18'	240° 42'	0.74469122	1.668147316	119° 58'	240° 2'	0.74974804	1.629850859
118° 39'	241° 21'	0.73972893	1.705981602	119° 19'	240° 41'	0.74481805	1.667183650	119° 59'	240° 1'	0.74987403	1.628900009

120° 0'	240° 0'	0.75000000	1.627949477	120° 40'	239° 20'	0.75502129	1.590189405	121° 20'	238° 40'	0.76000806	1.552936693
120° 1'	239° 59'	0.75012594	1.626999265	120° 41'	239° 19'	0.75514638	1.589251918	121° 21'	238° 39'	0.76013228	1.552011847
120° 2'	239° 58'	0.75025187	1.626049371	120° 42'	239° 18'	0.75527145	1.588314748	121° 22'	238° 38'	0.76025648	1.551087315
120° 3'	239° 57'	0.75037778	1.625099797	120° 43'	239° 17'	0.75539650	1.587377894	121° 23'	238° 37'	0.76038066	1.550163099
120° 4'	239° 56'	0.75050366	1.624150542	120° 44'	239° 16'	0.75552153	1.586441358	121° 24'	238° 36'	0.76050481	1.549239198
120° 5'	239° 55'	0.75062952	1.623201606	120° 45'	239° 15'	0.75564654	1.585505139	121° 25'	238° 35'	0.76062894	1.548315611
120° 6'	239° 54'	0.75075536	1.622252989	120° 46'	239° 14'	0.75577152	1.584569236	121° 26'	238° 34'	0.76075306	1.547392339
120° 7'	239° 53'	0.75088118	1.621304691	120° 47'	239° 13'	0.75589649	1.583633650	121° 27'	238° 33'	0.76087714	1.546469382
120° 8'	239° 52'	0.75100698	1.620356712	120° 48'	239° 12'	0.75602143	1.582698381	121° 28'	238° 32'	0.76100121	1.545546739
120° 9'	239° 51'	0.75113276	1.619409051	120° 49'	239° 11'	0.75614635	1.581763429	121° 29'	238° 31'	0.76112526	1.544624411
120° 10'	239° 50'	0.75125852	1.618461709	120° 50'	239° 10'	0.75627125	1.580828793	121° 30'	238° 30'	0.76124928	1.543702398
120° 11'	239° 49'	0.75138425	1.617514686	120° 51'	239° 9'	0.75639612	1.579894474	121° 31'	238° 29'	0.76137328	1.542780699
120° 12'	239° 48'	0.75150997	1.616567982	120° 52'	239° 8'	0.75652098	1.578960471	121° 32'	238° 28'	0.76149726	1.541859315
120° 13'	239° 47'	0.75163566	1.615621596	120° 53'	239° 7'	0.75664581	1.578026785	121° 33'	238° 27'	0.76162121	1.540938245
120° 14'	239° 46'	0.75176133	1.614675529	120° 54'	239° 6'	0.75677062	1.577093415	121° 34'	238° 26'	0.76174515	1.540017489
120° 15'	239° 45'	0.75188698	1.613729780	120° 55'	239° 5'	0.75689541	1.576160362	121° 35'	238° 25'	0.76186906	1.539097048
120° 16'	239° 44'	0.75201261	1.612784349	120° 56'	239° 4'	0.75702018	1.575227625	121° 36'	238° 24'	0.76199295	1.538176921
120° 17'	239° 43'	0.75213822	1.611839237	120° 57'	239° 3'	0.75714493	1.574295204	121° 37'	238° 23'	0.76211682	1.537257108
120° 18'	239° 42'	0.75226381	1.610894443	120° 58'	239° 2'	0.75726965	1.573363099	121° 38'	238° 22'	0.76224066	1.536337609
120° 19'	239° 41'	0.75238937	1.609949968	120° 59'	239° 1'	0.75739435	1.572431311	121° 39'	238° 21'	0.76236448	1.535418424
120° 20'	239° 40'	0.75251492	1.609005810	121° 0'	239° 0'	0.75751903	1.571499839	121° 40'	238° 20'	0.76248829	1.534499554
120° 21'	239° 39'	0.75264044	1.608061971	121° 1'	238° 59'	0.75764369	1.570568682	121° 41'	238° 19'	0.76261206	1.533580997
120° 22'	239° 38'	0.75276594	1.607118450	121° 2'	238° 58'	0.75776833	1.569637842	121° 42'	238° 18'	0.76273582	1.532662754
120° 23'	239° 37'	0.75289142	1.606175247	121° 3'	238° 57'	0.75789294	1.568707318	121° 43'	238° 17'	0.76285956	1.531744825
120° 24'	239° 36'	0.75301688	1.605232362	121° 4'	238° 56'	0.75801754	1.567777109	121° 44'	238° 16'	0.76298327	1.530827210
120° 25'	239° 35'	0.75314231	1.604289795	121° 5'	238° 55'	0.75814211	1.566847216	121° 45'	238° 15'	0.76310696	1.529909909
120° 26'	239° 34'	0.75326773	1.603347546	121° 6'	238° 54'	0.75826666	1.565917640	121° 46'	238° 14'	0.76323062	1.528992922
120° 27'	239° 33'	0.75339312	1.602405614	121° 7'	238° 53'	0.75839119	1.564988379	121° 47'	238° 13'	0.76335427	1.528076248
120° 28'	239° 32'	0.75351850	1.601464001	121° 8'	238° 52'	0.75851569	1.564059433	121° 48'	238° 12'	0.76347789	1.527159888
120° 29'	239° 31'	0.75364385	1.600522705	121° 9'	238° 51'	0.75864018	1.563130803	121° 49'	238° 11'	0.76360149	1.526243841
120° 30'	239° 30'	0.75376918	1.599581727	121° 10'	238° 50'	0.75876464	1.562202489	121° 50'	238° 10'	0.76372507	1.525328108
120° 31'	239° 29'	0.75389449	1.598641066	121° 11'	238° 49'	0.75888908	1.561274490	121° 51'	238° 9'	0.76384863	1.524412689
120° 32'	239° 28'	0.75401977	1.597700723	121° 12'	238° 48'	0.75901350	1.560346807	121° 52'	238° 8'	0.76397216	1.523497583
120° 33'	239° 27'	0.75414504	1.596760697	121° 13'	238° 47'	0.75913790	1.559419439	121° 53'	238° 7'	0.76409567	1.522582790
120° 34'	239° 26'	0.75427028	1.595820989	121° 14'	238° 46'	0.75926227	1.558492387	121° 54'	238° 6'	0.76421916	1.521668311
120° 35'	239° 25'	0.75439550	1.594881599	121° 15'	238° 45'	0.75938662	1.557565650	121° 55'	238° 5'	0.76434263	1.520754144
120° 36'	239° 24'	0.75452070	1.593942526	121° 16'	238° 44'	0.75951096	1.556639228	121° 56'	238° 4'	0.76446607	1.519840292
120° 37'	239° 23'	0.75464588	1.593003770	121° 17'	238° 43'	0.75963526	1.555713122	121° 57'	238° 3'	0.76458950	1.518926752
120° 38'	239° 22'	0.75477104	1.592065331	121° 18'	238° 42'	0.75975955	1.554787330	121° 58'	238° 2'	0.76471290	1.518013525
120° 39'	239° 21'	0.75489618	1.591127209	121° 19'	238° 41'	0.75988382	1.553861854	121° 59'	238° 1'	0.76483627	1.517100612

122° 0'	238° 0'	0.76495963	1.516188011	122° 40'	237° 20'	0.76987532	1.479940098	123° 20'	236° 40'	0.77475448	1.444189754
122° 1'	237° 59'	0.76508296	1.515275724	122° 41'	237° 19'	0.76999775	1.479040288	123° 21'	236° 39'	0.77487599	1.443302344
122° 2'	237° 58'	0.76520627	1.514363749	122° 42'	237° 18'	0.77012016	1.478140789	123° 22'	236° 38'	0.77499747	1.442415242
122° 3'	237° 57'	0.76532956	1.513452087	122° 43'	237° 17'	0.77024254	1.477241602	123° 23'	236° 37'	0.77511893	1.441528449
122° 4'	237° 56'	0.76545282	1.512540739	122° 44'	237° 16'	0.77036490	1.476342725	123° 24'	236° 36'	0.77524037	1.440641965
122° 5'	237° 55'	0.76557607	1.511629702	122° 45'	237° 15'	0.77048723	1.475444159	123° 25'	236° 35'	0.77536178	1.439755790
122° 6'	237° 54'	0.76569929	1.510718979	122° 46'	237° 14'	0.77060954	1.474545903	123° 26'	236° 34'	0.77548317	1.438869924
122° 7'	237° 53'	0.76582248	1.509808568	122° 47'	237° 13'	0.77073183	1.473647959	123° 27'	236° 33'	0.77560453	1.437984366
122° 8'	237° 52'	0.76594566	1.508898470	122° 48'	237° 12'	0.77085410	1.472750325	123° 28'	236° 32'	0.77572587	1.437099117
122° 9'	237° 51'	0.76606881	1.507988685	122° 49'	237° 11'	0.77097634	1.471853001	123° 29'	236° 31'	0.77584719	1.436214177
122° 10'	237° 50'	0.76619194	1.507079212	122° 50'	237° 10'	0.77109857	1.470955988	123° 30'	236° 30'	0.77596849	1.435329545
122° 11'	237° 49'	0.76631505	1.506170051	122° 51'	237° 9'	0.77122076	1.470059286	123° 31'	236° 29'	0.77608976	1.434445222
122° 12'	237° 48'	0.76643813	1.505261203	122° 52'	237° 8'	0.77134294	1.469162894	123° 32'	236° 28'	0.77621101	1.433561208
122° 13'	237° 47'	0.76656120	1.504352668	122° 53'	237° 7'	0.77146509	1.468266812	123° 33'	236° 27'	0.77633223	1.432677501
122° 14'	237° 46'	0.76668424	1.503444444	122° 54'	237° 6'	0.77158722	1.467371041	123° 34'	236° 26'	0.77645344	1.431794104
122° 15'	237° 45'	0.76680725	1.502536533	122° 55'	237° 5'	0.77170933	1.466475580	123° 35'	236° 25'	0.77657461	1.430911014
122° 16'	237° 44'	0.76693025	1.501628934	122° 56'	237° 4'	0.77183141	1.465580429	123° 36'	236° 24'	0.77669577	1.430028233
122° 17'	237° 43'	0.76705322	1.500721647	122° 57'	237° 3'	0.77195347	1.464685588	123° 37'	236° 23'	0.77681690	1.429145760
122° 18'	237° 42'	0.76717617	1.499814673	122° 58'	237° 2'	0.77207551	1.463791058	123° 38'	236° 22'	0.77693801	1.428263595
122° 19'	237° 41'	0.76729910	1.498908010	122° 59'	237° 1'	0.77219752	1.462896837	123° 39'	236° 21'	0.77705910	1.427381739
122° 20'	237° 40'	0.76742200	1.498001660	123° 0'	237° 0'	0.77231951	1.462002927	123° 40'	236° 20'	0.77718016	1.426500190
122° 21'	237° 39'	0.76754488	1.497095621	123° 1'	236° 59'	0.77244148	1.461109327	123° 41'	236° 19'	0.77730119	1.425618950
122° 22'	237° 38'	0.76766774	1.496189895	123° 2'	236° 58'	0.77256343	1.460216036	123° 42'	236° 18'	0.77742221	1.424738017
122° 23'	237° 37'	0.76779058	1.495284480	123° 3'	236° 57'	0.77268535	1.459323056	123° 43'	236° 17'	0.77754320	1.423857393
122° 24'	237° 36'	0.76791339	1.494379377	123° 4'	236° 56'	0.77280725	1.458430385	123° 44'	236° 16'	0.77766417	1.422977076
122° 25'	237° 35'	0.76803618	1.493474586	123° 5'	236° 55'	0.77292912	1.457538024	123° 45'	236° 15'	0.77778511	1.422097067
122° 26'	237° 34'	0.76815895	1.492570106	123° 6'	236° 54'	0.77305098	1.456645973	123° 46'	236° 14'	0.77790603	1.421217367
122° 27'	237° 33'	0.76828170	1.491665939	123° 7'	236° 53'	0.77317281	1.455754232	123° 47'	236° 13'	0.77802693	1.420337973
122° 28'	237° 32'	0.76840442	1.490762083	123° 8'	236° 52'	0.77329461	1.454862800	123° 48'	236° 12'	0.77814780	1.419458888
122° 29'	237° 31'	0.76852712	1.489858538	123° 9'	236° 51'	0.77341640	1.453971678	123° 49'	236° 11'	0.77826865	1.418580110
122° 30'	237° 30'	0.76864980	1.488955305	123° 10'	236° 50'	0.77353816	1.453080865	123° 50'	236° 10'	0.77838948	1.417701640
122° 31'	237° 29'	0.76877245	1.488052383	123° 11'	236° 49'	0.77365989	1.452190362	123° 51'	236° 9'	0.77851028	1.416823478
122° 32'	237° 28'	0.76889509	1.487149773	123° 12'	236° 48'	0.77378161	1.451300169	123° 52'	236° 8'	0.77863106	1.415945623
122° 33'	237° 27'	0.76901770	1.486247475	123° 13'	236° 47'	0.77390330	1.450410285	123° 53'	236° 7'	0.77875182	1.415068075
122° 34'	237° 26'	0.76914028	1.485345487	123° 14'	236° 46'	0.77402497	1.449520710	123° 54'	236° 6'	0.77887255	1.414190835
122° 35'	237° 25'	0.76926285	1.484443811	123° 15'	236° 45'	0.77414661	1.448631444	123° 55'	236° 5'	0.77899326	1.413313902
122° 36'	237° 24'	0.76938539	1.483542446	123° 16'	236° 44'	0.77426823	1.447742488	123° 56'	236° 4'	0.77911394	1.412437277
122° 37'	237° 23'	0.76950791	1.482641392	123° 17'	236° 43'	0.77438983	1.446853841	123° 57'	236° 3'	0.77923460	1.411560959
122° 38'	237° 22'	0.76963040	1.481740650	123° 18'	236° 42'	0.77451140	1.445965503	123° 58'	236° 2'	0.77935524	1.410684948
122° 39'	237° 21'	0.76975287	1.480840218	123° 19'	236° 41'	0.77463296	1.445077474	123° 59'	236° 1'	0.77947586	1.409809245

124° 0'	236° 0'	0.77959645 2	1.408933848	124° 40'	235° 20'	0.78440056 2	1.374169308	125° 20'	234° 40'	0.78916616 8	1.339893124
124° 1'	235° 59'	0.77971701 9	1.408058759	124° 41'	235° 19'	0.78452017 4	1.373306464	125° 21'	234° 39'	0.78928480 9	1.339042451
124° 2'	235° 58'	0.77983756 2	1.407183976	124° 42'	235° 18'	0.78463976 2	1.372443925	125° 22'	234° 38'	0.78940342 6	1.338192081
124° 3'	235° 57'	0.77995808 1	1.406309501	124° 43'	235° 17'	0.78475932 6	1.371581691	125° 23'	234° 37'	0.78952201 8	1.337342014
124° 4'	235° 56'	0.78007857 7	1.405435333	124° 44'	235° 16'	0.78487886 6	1.370719762	125° 24'	234° 36'	0.78964058 6	1.336492251
124° 5'	235° 55'	0.78019904 9	1.404561471	124° 45'	235° 15'	0.78499838 1	1.369858139	125° 25'	234° 35'	0.78975912 9	1.335642791
124° 6'	235° 54'	0.78031949 7	1.403687917	124° 46'	235° 14'	0.78511787 3	1.368996820	125° 26'	234° 34'	0.78987764 8	1.334793634
124° 7'	235° 53'	0.78043992 2	1.402814669	124° 47'	235° 13'	0.78523734 0	1.368135806	125° 27'	234° 33'	0.78999614 2	1.333944780
124° 8'	235° 52'	0.78056032 3	1.401941728	124° 48'	235° 12'	0.78535678 4	1.367275098	125° 28'	234° 32'	0.79011461 2	1.333096229
124° 9'	235° 51'	0.78068070 0	1.401069094	124° 49'	235° 11'	0.78547620 3	1.366414694	125° 29'	234° 31'	0.79023305 7	1.332247981
124° 10'	235° 50'	0.78080105 3	1.400196766	124° 50'	235° 10'	0.78559559 8	1.365554595	125° 30'	234° 30'	0.79035147 8	1.331400037
124° 11'	235° 49'	0.78092138 3	1.399324745	124° 51'	235° 9'	0.78571496 9	1.364694800	125° 31'	234° 29'	0.79046987 4	1.330552395
124° 12'	235° 48'	0.78104168 9	1.398453031	124° 52'	235° 8'	0.78583431 6	1.363835310	125° 32'	234° 28'	0.79058824 5	1.329705056
124° 13'	235° 47'	0.78116197 1	1.397581623	124° 53'	235° 7'	0.78595363 8	1.362976125	125° 33'	234° 27'	0.79070659 2	1.328858019
124° 14'	235° 46'	0.78128222 9	1.396710521	124° 54'	235° 6'	0.78607293 7	1.362117245	125° 34'	234° 26'	0.79082491 4	1.328011286
124° 15'	235° 45'	0.78140246 4	1.395839727	124° 55'	235° 5'	0.78619221 1	1.361258669	125° 35'	234° 25'	0.79094321 2	1.327164855
124° 16'	235° 44'	0.78152267 5	1.394969238	124° 56'	235° 4'	0.78631146 1	1.360400398	125° 36'	234° 24'	0.79106148 5	1.326318727
124° 17'	235° 43'	0.78164286 1	1.394099056	124° 57'	235° 3'	0.78643068 7	1.359542431	125° 37'	234° 23'	0.79117973 3	1.325472902
124° 18'	235° 42'	0.78176302 4	1.393229180	124° 58'	235° 2'	0.78654988 8	1.358684769	125° 38'	234° 22'	0.79129795 7	1.324627379
124° 19'	235° 41'	0.78188316 4	1.392359610	124° 59'	235° 1'	0.78666906 5	1.357827411	125° 39'	234° 21'	0.79141615 6	1.323782159
124° 20'	235° 40'	0.78200327 9	1.391490347	125° 0'	235° 0'	0.78678821 8	1.356970357	125° 40'	234° 20'	0.79153433 1	1.322937242
124° 21'	235° 39'	0.78212337 1	1.390621389	125° 1'	234° 59'	0.78690734 7	1.356113608	125° 41'	234° 19'	0.79165248 1	1.322092626
124° 22'	235° 38'	0.78224343 8	1.389752738	125° 2'	234° 58'	0.78702645 1	1.355257162	125° 42'	234° 18'	0.79177060 6	1.321248314
124° 23'	235° 37'	0.78236348 2	1.388884393	125° 3'	234° 57'	0.78714553 1	1.354401021	125° 43'	234° 17'	0.79188870 6	1.320404303
124° 24'	235° 36'	0.78248350 2	1.388016354	125° 4'	234° 56'	0.78726458 7	1.353545185	125° 44'	234° 16'	0.79200678 2	1.319560595
124° 25'	235° 35'	0.78260349 8	1.387148621	125° 5'	234° 55'	0.78738361 9	1.352689652	125° 45'	234° 15'	0.79212483 3	1.318717189
124° 26'	235° 34'	0.78272347 0	1.386281194	125° 6'	234° 54'	0.78750262 6	1.351834423	125° 46'	234° 14'	0.79224285 9	1.317874086
124° 27'	235° 33'	0.78284341 8	1.385414072	125° 7'	234° 53'	0.78762160 9	1.350979499	125° 47'	234° 13'	0.79236086 1	1.317031285
124° 28'	235° 32'	0.78296334 2	1.384547257	125° 8'	234° 52'	0.78774056 7	1.350124878	125° 48'	234° 12'	0.79247883 7	1.316188785
124° 29'	235° 31'	0.78308324 2	1.383680747	125° 9'	234° 51'	0.78785950 2	1.349270561	125° 49'	234° 11'	0.79259679 0	1.315346588
124° 30'	235° 30'	0.78320311 8	1.382814543	125° 10'	234° 50'	0.78797841 2	1.348416549	125° 50'	234° 10'	0.79271471 7	1.314504693
124° 31'	235° 29'	0.78332297 1	1.381948645	125° 11'	234° 49'	0.78809729 7	1.347562840	125° 51'	234° 9'	0.79283261 9	1.313663100
124° 32'	235° 28'	0.78344279 9	1.381083052	125° 12'	234° 48'	0.78821615 8	1.346709434	125° 52'	234° 8'	0.79295049 7	1.312821809
124° 33'	235° 27'	0.78356260 3	1.380217765	125° 13'	234° 47'	0.78833499 5	1.345856333	125° 53'	234° 7'	0.79306835 0	1.311980820
124° 34'	235° 26'	0.78368238 4	1.379352783	125° 14'	234° 46'	0.78845380 7	1.345003535	125° 54'	234° 6'	0.79318617 8	1.311140133
124° 35'	235° 25'	0.78380214 0	1.378488107	125° 15'	234° 45'	0.78857259 5	1.344151041	125° 55'	234° 5'	0.79330398 2	1.310299748
124° 36'	235° 24'	0.78392187 3	1.377623737	125° 16'	234° 44'	0.78869135 9	1.343298851	125° 56'	234° 4'	0.79342176 0	1.309459664
124° 37'	235° 23'	0.78404158 1	1.376759671	125° 17'	234° 43'	0.78881009 8	1.342446964	125° 57'	234° 3'	0.79353951 4	1.308619882
124° 38'	235° 22'	0.78416126 5	1.375895912	125° 18'	234° 42'	0.78892881 2	1.341595380	125° 58'	234° 2'	0.79365724 3	1.307780402
124° 39'	235° 21'	0.78428092 5	1.375032457	125° 19'	234° 41'	0.78904750 2	1.340744100	125° 59'	234° 1'	0.79377494 7	1.306941224



126° 0'	234° 0'	0.79389262 6	1.306102347	126° 40'	233° 20'	0.79857929 6	1.272794088	127° 20'	232° 40'	0.80322554 3	1.239965514
126° 1'	233° 59'	0.79401028 0	1.305263772	126° 41'	233° 19'	0.79869594 7	1.271967539	127° 21'	232° 39'	0.80334117 6	1.239150921
126° 2'	233° 58'	0.79412791 0	1.304425498	126° 42'	233° 18'	0.79881257 3	1.271141290	127° 22'	232° 38'	0.80345678 3	1.238336627
126° 3'	233° 57'	0.79424551 4	1.303587526	126° 43'	233° 17'	0.79892917 4	1.270315340	127° 23'	232° 37'	0.80357236 4	1.237522631
126° 4'	233° 56'	0.79436309 4	1.302749855	126° 44'	233° 16'	0.79904575 0	1.269489691	127° 24'	232° 36'	0.80368792 0	1.236708932
126° 5'	233° 55'	0.79448064 9	1.301912486	126° 45'	233° 15'	0.79916230 0	1.268664341	127° 25'	232° 35'	0.80380345 0	1.235895531
126° 6'	233° 54'	0.79459817 9	1.301075418	126° 46'	233° 14'	0.79927882 5	1.267839290	127° 26'	232° 34'	0.80391895 4	1.235082429
126° 7'	233° 53'	0.79471568 4	1.300238651	126° 47'	233° 13'	0.79939532 5	1.267014539	127° 27'	232° 33'	0.80403443 3	1.234269624
126° 8'	233° 52'	0.79483316 4	1.299402185	126° 48'	233° 12'	0.79951179 9	1.266190088	127° 28'	232° 32'	0.80414988 6	1.233457116
126° 9'	233° 51'	0.79495061 9	1.298566021	126° 49'	233° 11'	0.79962824 8	1.265365936	127° 29'	232° 31'	0.80426531 3	1.232644907
126° 10'	233° 50'	0.79506804 9	1.297730158	126° 50'	233° 10'	0.79974467 2	1.264542083	127° 30'	232° 30'	0.80438071 5	1.231832995
126° 11'	233° 49'	0.79518545 4	1.296894596	126° 51'	233° 9'	0.79986107 0	1.263718530	127° 31'	232° 29'	0.80449609 0	1.231021381
126° 12'	233° 48'	0.79530283 4	1.296059335	126° 52'	233° 8'	0.79997744 3	1.262895276	127° 32'	232° 28'	0.80461144 0	1.230210064
126° 13'	233° 47'	0.79542018 9	1.295224375	126° 53'	233° 7'	0.80009379 1	1.262072321	127° 33'	232° 27'	0.80472676 4	1.229399045
126° 14'	233° 46'	0.79553751 9	1.294389716	126° 54'	233° 6'	0.80021011 3	1.261249666	127° 34'	232° 26'	0.80484206 3	1.228588324
126° 15'	233° 45'	0.79565482 4	1.293555358	126° 55'	233° 5'	0.80032640 9	1.260427310	127° 35'	232° 25'	0.80495733 5	1.227777900
126° 16'	233° 44'	0.79577210 4	1.292721301	126° 56'	233° 4'	0.80044268 1	1.259605253	127° 36'	232° 24'	0.80507258 2	1.226967773
126° 17'	233° 43'	0.79588935 9	1.291887545	126° 57'	233° 3'	0.80055892 7	1.258783495	127° 37'	232° 23'	0.80518780 3	1.226157944
126° 18'	233° 42'	0.79600658 9	1.291054090	126° 58'	233° 2'	0.80067514 7	1.257962036	127° 38'	232° 22'	0.80530299 8	1.225348412
126° 19'	233° 41'	0.79612379 4	1.290220935	126° 59'	233° 1'	0.80079134 2	1.257140876	127° 39'	232° 21'	0.80541816 7	1.224539177
126° 20'	233° 40'	0.79624097 4	1.289388081	127° 0'	233° 0'	0.80090751 2	1.256320015	127° 40'	232° 20'	0.80553331 1	1.223730240
126° 21'	233° 39'	0.79635812 9	1.288555528	127° 1'	232° 59'	0.80102365 6	1.255499453	127° 41'	232° 19'	0.80564842 8	1.222921600
126° 22'	233° 38'	0.79647525 9	1.287723275	127° 2'	232° 58'	0.80113977 4	1.254679190	127° 42'	232° 18'	0.80576352 0	1.222113257
126° 23'	233° 37'	0.79659236 4	1.286891323	127° 3'	232° 57'	0.80125586 7	1.253859226	127° 43'	232° 17'	0.80587858 6	1.221305211
126° 24'	233° 36'	0.79670944 3	1.286059672	127° 4'	232° 56'	0.80137193 5	1.253039560	127° 44'	232° 16'	0.80599362 6	1.220497462
126° 25'	233° 35'	0.79682649 8	1.285228321	127° 5'	232° 55'	0.80148797 7	1.252220193	127° 45'	232° 15'	0.80610864 0	1.219690010
126° 26'	233° 34'	0.79694352 7	1.284397271	127° 6'	232° 54'	0.80160399 4	1.251401125	127° 46'	232° 14'	0.80622362 8	1.218882856
126° 27'	233° 33'	0.79706053 1	1.283566521	127° 7'	232° 53'	0.80171998 5	1.250582356	127° 47'	232° 13'	0.80633859 0	1.218075998
126° 28'	233° 32'	0.79717751 1	1.282736071	127° 8'	232° 52'	0.80183595 1	1.249763885	127° 48'	232° 12'	0.80645352 7	1.217269437
126° 29'	233° 31'	0.79729446 5	1.281905922	127° 9'	232° 51'	0.80195189 1	1.248945713	127° 49'	232° 11'	0.80656843 7	1.216463173
126° 30'	233° 30'	0.79741139 3	1.281076072	127° 10'	232° 50'	0.80206780 5	1.248127840	127° 50'	232° 10'	0.80668332 2	1.215657206
126° 31'	233° 29'	0.79752829 7	1.280246524	127° 11'	232° 49'	0.80218369 4	1.247310265	127° 51'	232° 9'	0.80679818 0	1.214851536
126° 32'	233° 28'	0.79764517 6	1.279417275	127° 12'	232° 48'	0.80229955 7	1.246492988	127° 52'	232° 8'	0.80691301 3	1.214046162
126° 33'	233° 27'	0.79776202 9	1.278588327	127° 13'	232° 47'	0.80241539 5	1.245676010	127° 53'	232° 7'	0.80702781 9	1.213241085
126° 34'	233° 26'	0.79787885 7	1.277759678	127° 14'	232° 46'	0.80253120 7	1.244859330	127° 54'	232° 6'	0.80714260 0	1.212436305
126° 35'	233° 25'	0.79799566 0	1.276931330	127° 15'	232° 45'	0.80264699 4	1.244042948	127° 55'	232° 5'	0.80725735 5	1.211631821
126° 36'	233° 24'	0.79811243 7	1.276103282	127° 16'	232° 44'	0.80276275 5	1.243226865	127° 56'	232° 4'	0.80737208 3	1.210827634
126° 37'	233° 23'	0.79822919 0	1.275275533	127° 17'	232° 43'	0.80287849 0	1.242411080	127° 57'	232° 3'	0.80748678 6	1.210023744
126° 38'	233° 22'	0.79834591 7	1.274448085	127° 18'	232° 42'	0.80299420 0	1.241595593	127° 58'	232° 2'	0.80760146 3	1.209220150
126° 39'	233° 21'	0.79846261 9	1.273620936	127° 19'	232° 41'	0.80310988 4	1.240780405	127° 59'	232° 1'	0.80771611 3	1.208416852

128° 0'	232° 0'	0.80783073	1.207613851	128° 40'	231° 20'	0.81239425	1.175736380	129° 20'	230° 40'	0.81691548	1.144330437
128° 1'	231° 59'	0.80794533	1.206811146	128° 41'	231° 19'	0.81250780	1.174945495	129° 21'	230° 39'	0.81702796	1.143551307
128° 2'	231° 58'	0.80805990	1.206008738	128° 42'	231° 18'	0.81262132	1.174154906	129° 22'	230° 38'	0.81714042	1.142772470
128° 3'	231° 57'	0.80817445	1.205206625	128° 43'	231° 17'	0.81273482	1.173364611	129° 23'	230° 37'	0.81725285	1.141993926
128° 4'	231° 56'	0.80828897	1.204404810	128° 44'	231° 16'	0.81284829	1.172574610	129° 24'	230° 36'	0.81736525	1.141215676
128° 5'	231° 55'	0.80840346	1.203603290	128° 45'	231° 15'	0.81296173	1.171784904	129° 25'	230° 35'	0.81747763	1.140437718
128° 6'	231° 54'	0.80851793	1.202802066	128° 46'	231° 14'	0.81307515	1.170995493	129° 26'	230° 34'	0.81758998	1.139660053
128° 7'	231° 53'	0.80863238	1.202001139	128° 47'	231° 13'	0.81318854	1.170206376	129° 27'	230° 33'	0.81770230	1.138882680
128° 8'	231° 52'	0.80874679	1.201200507	128° 48'	231° 12'	0.81330190	1.169417553	129° 28'	230° 32'	0.81781460	1.138105601
128° 9'	231° 51'	0.80886118	1.200400172	128° 49'	231° 11'	0.81341524	1.168629025	129° 29'	230° 31'	0.81792686	1.137328814
128° 10'	231° 50'	0.80897554	1.199600133	128° 50'	231° 10'	0.81352855	1.167840791	129° 30'	230° 30'	0.81803911	1.136552320
128° 11'	231° 49'	0.80908988	1.198800389	128° 51'	231° 9'	0.81364183	1.167052852	129° 31'	230° 29'	0.81815132	1.135776119
128° 12'	231° 48'	0.80920419	1.198000942	128° 52'	231° 8'	0.81375509	1.166265206	129° 32'	230° 28'	0.81826351	1.135000210
128° 13'	231° 47'	0.80931848	1.197201790	128° 53'	231° 7'	0.81386832	1.165477855	129° 33'	230° 27'	0.81837567	1.134224594
128° 14'	231° 46'	0.80943274	1.196402934	128° 54'	231° 6'	0.81398152	1.164690798	129° 34'	230° 26'	0.81848780	1.133449271
128° 15'	231° 45'	0.80954697	1.195604374	128° 55'	231° 5'	0.81409470	1.163904035	129° 35'	230° 25'	0.81859991	1.132674240
128° 16'	231° 44'	0.80966118	1.194806110	128° 56'	231° 4'	0.81420785	1.163117567	129° 36'	230° 24'	0.81871199	1.131899501
128° 17'	231° 43'	0.80977536	1.194008141	128° 57'	231° 3'	0.81432098	1.162331392	129° 37'	230° 23'	0.81882404	1.131125055
128° 18'	231° 42'	0.80988951	1.193210468	128° 58'	231° 2'	0.81443408	1.161545511	129° 38'	230° 22'	0.81893607	1.130350901
128° 19'	231° 41'	0.81000364	1.192413091	128° 59'	231° 1'	0.81454715	1.160759924	129° 39'	230° 21'	0.81904807	1.129577040
128° 20'	231° 40'	0.810111774	1.191616009	129° 0'	231° 0'	0.81466019	1.159974632	129° 40'	230° 20'	0.81916004	1.128803471
128° 21'	231° 39'	0.81023182	1.190819223	129° 1'	230° 59'	0.81477321	1.159189633	129° 41'	230° 19'	0.81927199	1.128030194
128° 22'	231° 38'	0.81034587	1.190022732	129° 2'	230° 58'	0.81488620	1.158404928	129° 42'	230° 18'	0.81938390	1.127257209
128° 23'	231° 37'	0.81045989	1.189226537	129° 3'	230° 57'	0.81499917	1.157620516	129° 43'	230° 17'	0.81949580	1.126484517
128° 24'	231° 36'	0.81057389	1.188430637	129° 4'	230° 56'	0.81511210	1.156836399	129° 44'	230° 16'	0.81960766	1.125712117
128° 25'	231° 35'	0.81068786	1.187635032	129° 5'	230° 55'	0.81522501	1.156052575	129° 45'	230° 15'	0.81971950	1.124940009
128° 26'	231° 34'	0.81080180	1.186839723	129° 6'	230° 54'	0.81533790	1.155269045	129° 46'	230° 14'	0.81983131	1.124168192
128° 27'	231° 33'	0.81091572	1.186044709	129° 7'	230° 53'	0.81545076	1.154485808	129° 47'	230° 13'	0.81994309	1.123396668
128° 28'	231° 32'	0.81102961	1.185249990	129° 8'	230° 52'	0.81556359	1.153702866	129° 48'	230° 12'	0.82005485	1.122625436
128° 29'	231° 31'	0.81114347	1.184455567	129° 9'	230° 51'	0.81567639	1.152920216	129° 49'	230° 11'	0.82016657	1.121854496
128° 30'	231° 30'	0.81125731	1.183661439	129° 10'	230° 50'	0.81578917	1.152137860	129° 50'	230° 10'	0.82027828	1.121083848
128° 31'	231° 29'	0.81137113	1.182867605	129° 11'	230° 49'	0.81590192	1.151355798	129° 51'	230° 9'	0.82038995	1.120313492
128° 32'	231° 28'	0.81148491	1.182074067	129° 12'	230° 48'	0.81601465	1.150574029	129° 52'	230° 8'	0.82050160	1.119543427
128° 33'	231° 27'	0.81159867	1.181280824	129° 13'	230° 47'	0.81612734	1.149792554	129° 53'	230° 7'	0.82061322	1.118773654
128° 34'	231° 26'	0.81171241	1.180487876	129° 14'	230° 46'	0.81624002	1.149011372	129° 54'	230° 6'	0.82072481	1.118004173
128° 35'	231° 25'	0.81182611	1.179695223	129° 15'	230° 45'	0.81635266	1.148230483	129° 55'	230° 5'	0.82083638	1.117234984
128° 36'	231° 24'	0.81193979	1.178902865	129° 16'	230° 44'	0.81646528	1.147449887	129° 56'	230° 4'	0.82094792	1.116466087
128° 37'	231° 23'	0.81205345	1.178110801	129° 17'	230° 43'	0.81657787	1.146669585	129° 57'	230° 3'	0.82105943	1.115697481
128° 38'	231° 22'	0.81216708	1.177319033	129° 18'	230° 42'	0.81669043	1.145889576	129° 58'	230° 2'	0.82117091	1.114929166
128° 39'	231° 21'	0.81228068	1.176527559	129° 19'	230° 41'	0.81680297	1.145109860	129° 59'	230° 1'	0.82128237	1.114161144

130° 0'	230° 0'	0.82139380 5	1.113393412	130° 40'	229° 20'	0.82582861 4	1.082922750	131° 20'	228° 40'	0.83021931 2	1.052915944
130° 1'	229° 59'	0.82150520 8	1.112625972	130° 41'	229° 19'	0.82593892 2	1.082166936	131° 21'	228° 39'	0.83032850 9	1.052171696
130° 2'	229° 58'	0.82161658 4	1.111858824	130° 42'	229° 18'	0.82604920 2	1.081411413	131° 22'	228° 38'	0.83043767 8	1.051427736
130° 3'	229° 57'	0.82172793 2	1.111091967	130° 43'	229° 17'	0.82615945 4	1.080656180	131° 23'	228° 37'	0.83054681 9	1.050684064
130° 4'	229° 56'	0.82183925 4	1.110325401	130° 44'	229° 16'	0.82626967 9	1.079901236	131° 24'	228° 36'	0.83065593 3	1.049940681
130° 5'	229° 55'	0.82195054 8	1.109559127	130° 45'	229° 15'	0.82637987 6	1.079146582	131° 25'	228° 35'	0.83076501 8	1.049197586
130° 6'	229° 54'	0.82206181 5	1.108793144	130° 46'	229° 14'	0.82649004 6	1.078392218	131° 26'	228° 34'	0.83087407 5	1.048454779
130° 7'	229° 53'	0.82217305 5	1.108027452	130° 47'	229° 13'	0.82660018 8	1.077638144	131° 27'	228° 33'	0.83098310 4	1.047712260
130° 8'	229° 52'	0.82228426 7	1.107262052	130° 48'	229° 12'	0.82671030 2	1.076884359	131° 28'	228° 32'	0.83109210 6	1.046970029
130° 9'	229° 51'	0.82239545 2	1.106496942	130° 49'	229° 11'	0.82682038 9	1.076130864	131° 29'	228° 31'	0.83120107 9	1.046228087
130° 10'	229° 50'	0.82250661 0	1.105732124	130° 50'	229° 10'	0.82693044 8	1.075377658	131° 30'	228° 30'	0.83131002 4	1.045486432
130° 11'	229° 49'	0.82261774 1	1.104967597	130° 51'	229° 9'	0.82704047 9	1.074624742	131° 31'	228° 29'	0.83141894 1	1.044745065
130° 12'	229° 48'	0.82272884 4	1.104203360	130° 52'	229° 8'	0.82715048 3	1.073872115	131° 32'	228° 28'	0.83152783 0	1.044003987
130° 13'	229° 47'	0.82283992 0	1.103439415	130° 53'	229° 7'	0.82726045 9	1.073119778	131° 33'	228° 27'	0.83163669 1	1.043263196
130° 14'	229° 46'	0.82295096 8	1.102675761	130° 54'	229° 6'	0.82737040 7	1.072367731	131° 34'	228° 26'	0.83174552 5	1.042522693
130° 15'	229° 45'	0.82306199 0	1.101912398	130° 55'	229° 5'	0.82748032 7	1.071615972	131° 35'	228° 25'	0.83185432 9	1.041782478
130° 16'	229° 44'	0.82317298 4	1.101149325	130° 56'	229° 4'	0.82759022 0	1.070864503	131° 36'	228° 24'	0.83196310 6	1.041042551
130° 17'	229° 43'	0.82328395 0	1.100386544	130° 57'	229° 3'	0.82770008 5	1.070113323	131° 37'	228° 23'	0.83207185 5	1.040302911
130° 18'	229° 42'	0.82339489 0	1.099624053	130° 58'	229° 2'	0.82780992 3	1.069362433	131° 38'	228° 22'	0.83218057 6	1.039563560
130° 19'	229° 41'	0.82350580 2	1.098861853	130° 59'	229° 1'	0.82791973 3	1.068611831	131° 39'	228° 21'	0.83228926 8	1.038824496
130° 20'	229° 40'	0.82361668 6	1.098099943	131° 0'	229° 0'	0.82802951 4	1.067861519	131° 40'	228° 20'	0.83239793 3	1.038085719
130° 21'	229° 39'	0.82372754 3	1.097338325	131° 1'	228° 59'	0.82813926 9	1.067111496	131° 41'	228° 19'	0.83250656 9	1.037347231
130° 22'	229° 38'	0.82383837 3	1.096576997	131° 2'	228° 58'	0.82824899 5	1.066361762	131° 42'	228° 18'	0.83261517 7	1.036609029
130° 23'	229° 37'	0.82394917 6	1.095815959	131° 3'	228° 57'	0.82835869 4	1.065612317	131° 43'	228° 17'	0.83272375 7	1.035871116
130° 24'	229° 36'	0.82405995 1	1.095055213	131° 4'	228° 56'	0.82846836 5	1.064863162	131° 44'	228° 16'	0.83283230 9	1.035133490
130° 25'	229° 35'	0.82417069 8	1.094294756	131° 5'	228° 55'	0.82857800 8	1.064114295	131° 45'	228° 15'	0.83294083 3	1.034396151
130° 26'	229° 34'	0.82428141 8	1.093534591	131° 6'	228° 54'	0.82868762 3	1.063365717	131° 46'	228° 14'	0.83304932 9	1.033659100
130° 27'	229° 33'	0.82439211 1	1.092774715	131° 7'	228° 53'	0.82879721 0	1.062617428	131° 47'	228° 13'	0.83315779 6	1.032922336
130° 28'	229° 32'	0.82450277 6	1.092015130	131° 8'	228° 52'	0.82890677 0	1.061869428	131° 48'	228° 12'	0.83326623 5	1.032185860
130° 29'	229° 31'	0.82461341 4	1.091255836	131° 9'	228° 51'	0.82901630 2	1.061121716	131° 49'	228° 11'	0.83337464 6	1.031449671
130° 30'	229° 30'	0.82472402 4	1.090496832	131° 10'	228° 50'	0.82912580 6	1.060374294	131° 50'	228° 10'	0.83348302 9	1.030713769
130° 31'	229° 29'	0.82483460 7	1.089738118	131° 11'	228° 49'	0.82923528 2	1.059627160	131° 51'	228° 9'	0.83359138 3	1.029978154
130° 32'	229° 28'	0.82494516 2	1.088979694	131° 12'	228° 48'	0.82934473 0	1.058880315	131° 52'	228° 8'	0.83369971 0	1.029242827
130° 33'	229° 27'	0.82505569 0	1.088221561	131° 13'	228° 47'	0.82945415 0	1.058133759	131° 53'	228° 7'	0.83380800 8	1.028507787
130° 34'	229° 26'	0.82516619 1	1.087463717	131° 14'	228° 46'	0.82956354 3	1.057387491	131° 54'	228° 6'	0.83391627 8	1.027773034
130° 35'	229° 25'	0.82527666 3	1.086706164	131° 15'	228° 45'	0.82967290 8	1.056641512	131° 55'	228° 5'	0.83402451 9	1.027038568
130° 36'	229° 24'	0.82538710 9	1.085948901	131° 16'	228° 44'	0.82978224 4	1.055895821	131° 56'	228° 4'	0.83413273 3	1.026304389
130° 37'	229° 23'	0.82549752 6	1.085191928	131° 17'	228° 43'	0.82989155 3	1.055150419	131° 57'	228° 3'	0.83424091 8	1.025570497
130° 38'	229° 22'	0.82560791 7	1.084435245	131° 18'	228° 42'	0.83000083 4	1.054405306	131° 58'	228° 2'	0.83434907 5	1.024836892
130° 39'	229° 21'	0.82571827 9	1.083678853	131° 19'	228° 41'	0.83011008 7	1.053660481	131° 59'	228° 1'	0.83445720 3	1.024103574

132° 0'	228° 0'	0.83456530 3	1.023370543	132° 40'	227° 20'	0.83886600 0	0.994284143	133° 20'	226° 40'	0.84312081 9	0.965654391
132° 1'	227° 59'	0.83467337 5	1.022637799	132° 41'	227° 19'	0.83897293 2	0.993562843	133° 21'	226° 39'	0.84322659 7	0.964944478
132° 2'	227° 58'	0.83478141 9	1.021905341	132° 42'	227° 18'	0.83907983 5	0.992841829	133° 22'	226° 38'	0.84333234 5	0.964234849
132° 3'	227° 57'	0.83488943 4	1.021173171	132° 43'	227° 17'	0.83918671 0	0.992121100	133° 23'	226° 37'	0.84343806 5	0.963525504
132° 4'	227° 56'	0.83499742 1	1.020441287	132° 44'	227° 16'	0.83929355 6	0.991400657	133° 24'	226° 36'	0.84354375 5	0.962816442
132° 5'	227° 55'	0.83510537 9	1.019709690	132° 45'	227° 15'	0.83940037 3	0.990680499	133° 25'	226° 35'	0.84364941 7	0.962107665
132° 6'	227° 54'	0.83521330 9	1.018978380	132° 46'	227° 14'	0.83950716 1	0.989960626	133° 26'	226° 34'	0.84375504 9	0.961399171
132° 7'	227° 53'	0.83532121 1	1.018247356	132° 47'	227° 13'	0.83961392 1	0.989241038	133° 27'	226° 33'	0.84386065 3	0.960690961
132° 8'	227° 52'	0.83542908 5	1.017516619	132° 48'	227° 12'	0.83972065 2	0.988521735	133° 28'	226° 32'	0.84396622 7	0.959983035
132° 9'	227° 51'	0.83553693 0	1.016786168	132° 49'	227° 11'	0.83982735 4	0.987802718	133° 29'	226° 31'	0.84407177 2	0.959275392
132° 10'	227° 50'	0.83564474 7	1.016056004	132° 50'	227° 10'	0.83993402 8	0.987083985	133° 30'	226° 30'	0.84417728 8	0.958568033
132° 11'	227° 49'	0.83575253 5	1.015326127	132° 51'	227° 9'	0.84004067 3	0.986365538	133° 31'	226° 29'	0.84428277 5	0.957860958
132° 12'	227° 48'	0.83586029 5	1.014596536	132° 52'	227° 8'	0.84014728 9	0.985647375	133° 32'	226° 28'	0.84438823 2	0.957154166
132° 13'	227° 47'	0.83596802 6	1.013867231	132° 53'	227° 7'	0.84025387 6	0.984929498	133° 33'	226° 27'	0.84449366 1	0.956447658
132° 14'	227° 46'	0.83607572 9	1.013138213	132° 54'	227° 6'	0.84036043 4	0.984211905	133° 34'	226° 26'	0.84459906 0	0.955741433
132° 15'	227° 45'	0.83618340 4	1.012409481	132° 55'	227° 5'	0.84046696 4	0.983494597	133° 35'	226° 25'	0.84470443 1	0.955035492
132° 16'	227° 44'	0.83629105 0	1.011681036	132° 56'	227° 4'	0.84057346 5	0.982777574	133° 36'	226° 24'	0.84480977 2	0.954329834
132° 17'	227° 43'	0.83639866 8	1.010952876	132° 57'	227° 3'	0.84067993 7	0.982060836	133° 37'	226° 23'	0.84491508 4	0.953624459
132° 18'	227° 42'	0.83650625 7	1.010225003	132° 58'	227° 2'	0.84078638 0	0.981344383	133° 38'	226° 22'	0.84502036 7	0.952919368
132° 19'	227° 41'	0.83661381 8	1.009497417	132° 59'	227° 1'	0.84089279 5	0.980628215	133° 39'	226° 21'	0.84512562 0	0.952214560
132° 20'	227° 40'	0.83672135 0	1.008770116	133° 0'	227° 0'	0.84099918 0	0.979912331	133° 40'	226° 20'	0.84523084 4	0.951510036
132° 21'	227° 39'	0.83682885 4	1.008043101	133° 1'	226° 59'	0.84110553 7	0.979196732	133° 41'	226° 19'	0.84533604 0	0.950805795
132° 22'	227° 38'	0.83693632 9	1.007316373	133° 2'	226° 58'	0.84121186 4	0.978481418	133° 42'	226° 18'	0.84544120 6	0.950101837
132° 23'	227° 37'	0.83704377 6	1.006589931	133° 3'	226° 57'	0.84131816 3	0.977766388	133° 43'	226° 17'	0.84554634 2	0.949398162
132° 24'	227° 36'	0.83715119 4	1.005863774	133° 4'	226° 56'	0.84142443 3	0.977051643	133° 44'	226° 16'	0.84565145 0	0.948694770
132° 25'	227° 35'	0.83725858 4	1.005137904	133° 5'	226° 55'	0.84153067 5	0.976337182	133° 45'	226° 15'	0.84575652 8	0.947991662
132° 26'	227° 34'	0.83736594 5	1.004412320	133° 6'	226° 54'	0.84163688 7	0.975623006	133° 46'	226° 14'	0.84586157 7	0.947288836
132° 27'	227° 33'	0.83747327 7	1.003687021	133° 7'	226° 53'	0.84174307 0	0.974909114	133° 47'	226° 13'	0.84596659 7	0.946586294
132° 28'	227° 32'	0.83758058 1	1.002962009	133° 8'	226° 52'	0.84184922 5	0.974195507	133° 48'	226° 12'	0.84607158 7	0.945884034
132° 29'	227° 31'	0.83768785 7	1.002237282	133° 9'	226° 51'	0.84195535 0	0.973482184	133° 49'	226° 11'	0.84617654 8	0.945182058
132° 30'	227° 30'	0.83779510 4	1.001512841	133° 10'	226° 50'	0.84206144 7	0.972769145	133° 50'	226° 10'	0.84628148 0	0.944480364
132° 31'	227° 29'	0.83790232 2	1.000788686	133° 11'	226° 49'	0.84216751 4	0.972056391	133° 51'	226° 9'	0.84638638 2	0.943778954
132° 32'	227° 28'	0.83800951 2	1.000064816	133° 12'	226° 48'	0.84227355 3	0.971343921	133° 52'	226° 8'	0.84649125 6	0.943077826
132° 33'	227° 27'	0.83811667 3	0.999341233	133° 13'	226° 47'	0.84237956 3	0.970631735	133° 53'	226° 7'	0.84659610 0	0.942376981
132° 34'	227° 26'	0.83822380 6	0.998617935	133° 14'	226° 46'	0.84248554 3	0.969919834	133° 54'	226° 6'	0.84670091 4	0.941676419
132° 35'	227° 25'	0.83833091 0	0.997894922	133° 15'	226° 45'	0.84259149 5	0.969208216	133° 55'	226° 5'	0.84680569 9	0.940976139
132° 36'	227° 24'	0.83843798 5	0.997172195	133° 16'	226° 44'	0.84269741 8	0.968496883	133° 56'	226° 4'	0.84691045 5	0.940276143
132° 37'	227° 23'	0.83854503 2	0.996449754	133° 17'	226° 43'	0.84280331 2	0.967785834	133° 57'	226° 3'	0.84701518 2	0.939576429
132° 38'	227° 22'	0.83865205 0	0.995727598	133° 18'	226° 42'	0.84290917 6	0.967075069	133° 58'	226° 2'	0.84711987 9	0.938876997
132° 39'	227° 21'	0.83875903 9	0.995005728	133° 19'	226° 41'	0.84301501 2	0.966364588	133° 59'	226° 1'	0.84722454 7	0.938177849

134° 0'	226° 0'	0.84732918 5	0.937478983	134° 40'	225° 20'	0.85149052 9	0.909755661	135° 20'	224° 40'	0.85560428 6	0.882482217
134° 1'	225° 59'	0.84743379 4	0.936780399	134° 41'	225° 19'	0.85159395 5	0.909068351	135° 21'	224° 39'	0.85570651 5	0.881806126
134° 2'	225° 58'	0.84753837 4	0.936082098	134° 42'	225° 18'	0.85169735 1	0.908381323	135° 22'	224° 38'	0.85580871 5	0.881130315
134° 3'	225° 57'	0.84764292 4	0.935384079	134° 43'	225° 17'	0.85180071 8	0.907694575	135° 23'	224° 37'	0.85591088 4	0.880454784
134° 4'	225° 56'	0.84774744 5	0.934686343	134° 44'	225° 16'	0.85190405 5	0.907008108	135° 24'	224° 36'	0.85601302 3	0.879779532
134° 5'	225° 55'	0.84785193 6	0.933988890	134° 45'	225° 15'	0.85200736 2	0.906321923	135° 25'	224° 35'	0.85611513 2	0.879104560
134° 6'	225° 54'	0.84795639 8	0.933291718	134° 46'	225° 14'	0.85211064 0	0.905636018	135° 26'	224° 34'	0.85621721 1	0.878429868
134° 7'	225° 53'	0.84806083 1	0.932594829	134° 47'	225° 13'	0.85221388 7	0.904950395	135° 27'	224° 33'	0.85631925 9	0.877755456
134° 8'	225° 52'	0.84816523 4	0.931898223	134° 48'	225° 12'	0.85231710 5	0.904265052	135° 28'	224° 32'	0.85642127 8	0.877081323
134° 9'	225° 51'	0.84826960 7	0.931201898	134° 49'	225° 11'	0.85242029 3	0.903579990	135° 29'	224° 31'	0.85652326 6	0.876407469
134° 10'	225° 50'	0.84837395 2	0.930505856	134° 50'	225° 10'	0.85252345 1	0.902895209	135° 30'	224° 30'	0.85662522 5	0.875733895
134° 11'	225° 49'	0.84847826 6	0.929810096	134° 51'	225° 9'	0.85262657 9	0.902210709	135° 31'	224° 29'	0.85672715 3	0.875060601
134° 12'	225° 48'	0.84858255 1	0.929114618	134° 52'	225° 8'	0.85272967 8	0.901526490	135° 32'	224° 28'	0.85682905 0	0.874387586
134° 13'	225° 47'	0.84868680 7	0.928419423	134° 53'	225° 7'	0.85283274 7	0.900842552	135° 33'	224° 27'	0.85693091 8	0.873714850
134° 14'	225° 46'	0.84879103 3	0.927724509	134° 54'	225° 6'	0.85293578 5	0.900158894	135° 34'	224° 26'	0.85703275 6	0.873042394
134° 15'	225° 45'	0.84889523 0	0.927029878	134° 55'	225° 5'	0.85303879 4	0.899475517	135° 35'	224° 25'	0.85713456 3	0.872370217
134° 16'	225° 44'	0.84899939 7	0.926335528	134° 56'	225° 4'	0.85314177 3	0.898792420	135° 36'	224° 24'	0.85723634 0	0.871698319
134° 17'	225° 43'	0.84910353 5	0.925641461	134° 57'	225° 3'	0.85324472 2	0.898109605	135° 37'	224° 23'	0.85733808 7	0.871026701
134° 18'	225° 42'	0.84920764 3	0.924947675	134° 58'	225° 2'	0.85334764 2	0.897427069	135° 38'	224° 22'	0.85743980 3	0.870355362
134° 19'	225° 41'	0.84931172 1	0.924254172	134° 59'	225° 1'	0.85345053 1	0.896744815	135° 39'	224° 21'	0.85754148 9	0.869684302
134° 20'	225° 40'	0.84941577 0	0.923560950	135° 0'	225° 0'	0.85355339 1	0.896062841	135° 40'	224° 20'	0.85764314 6	0.869013522
134° 21'	225° 39'	0.84951979 0	0.922868010	135° 1'	224° 59'	0.85365622 0	0.895381147	135° 41'	224° 19'	0.85774477 1	0.868343020
134° 22'	225° 38'	0.84962377 9	0.922175352	135° 2'	224° 58'	0.85375902 0	0.894699734	135° 42'	224° 18'	0.85784636 7	0.867672798
134° 23'	225° 37'	0.84972774 0	0.921482976	135° 3'	224° 57'	0.85386178 9	0.894018601	135° 43'	224° 17'	0.85794793 2	0.867002854
134° 24'	225° 36'	0.84983167 0	0.920790882	135° 4'	224° 56'	0.85396452 9	0.893337749	135° 44'	224° 16'	0.85804946 7	0.866333190
134° 25'	225° 35'	0.84993557 1	0.920099069	135° 5'	224° 55'	0.85406723 9	0.892657177	135° 45'	224° 15'	0.85815097 2	0.865663805
134° 26'	225° 34'	0.85003944 3	0.919407538	135° 6'	224° 54'	0.85416991 9	0.891976885	135° 46'	224° 14'	0.85825244 6	0.864994699
134° 27'	225° 33'	0.85014328 5	0.918716289	135° 7'	224° 53'	0.85427256 9	0.891296874	135° 47'	224° 13'	0.85835389 0	0.864325872
134° 28'	225° 32'	0.85024709 7	0.918025321	135° 8'	224° 52'	0.85437518 9	0.890617143	135° 48'	224° 12'	0.85845530 4	0.863657323
134° 29'	225° 31'	0.85035087 9	0.917334635	135° 9'	224° 51'	0.85447777 9	0.889937692	135° 49'	224° 11'	0.85855668 7	0.862989054
134° 30'	225° 30'	0.85045463 2	0.916644230	135° 10'	224° 50'	0.85458033 8	0.889258521	135° 50'	224° 10'	0.85865804 0	0.862321063
134° 31'	225° 29'	0.85055835 5	0.915954107	135° 11'	224° 49'	0.85468286 8	0.888579631	135° 51'	224° 9'	0.85875936 3	0.861653352
134° 32'	225° 28'	0.85066204 9	0.915264265	135° 12'	224° 48'	0.85478536 8	0.887901020	135° 52'	224° 8'	0.85886065 5	0.860985919
134° 33'	225° 27'	0.85076571 3	0.914574705	135° 13'	224° 47'	0.85488783 8	0.887222690	135° 53'	224° 7'	0.85896191 7	0.860318764
134° 34'	225° 26'	0.85086934 7	0.913885426	135° 14'	224° 46'	0.85499027 8	0.886544640	135° 54'	224° 6'	0.85906314 9	0.859651889
134° 35'	225° 25'	0.85097295 2	0.913196429	135° 15'	224° 45'	0.85509268 8	0.885866869	135° 55'	224° 5'	0.85916435 0	0.858985292
134° 36'	225° 24'	0.85107652 6	0.912507713	135° 16'	224° 44'	0.85519506 8	0.885189379	135° 56'	224° 4'	0.85926552 1	0.858318974
134° 37'	225° 23'	0.85118007 2	0.911819278	135° 17'	224° 43'	0.85529741 7	0.884512169	135° 57'	224° 3'	0.85936666 1	0.857652935
134° 38'	225° 22'	0.85128358 7	0.911131124	135° 18'	224° 42'	0.85539973 7	0.883835238	135° 58'	224° 2'	0.85946777 1	0.856987174
134° 39'	225° 21'	0.85138707 3	0.910443252	135° 19'	224° 41'	0.85550202 7	0.883158588	135° 59'	224° 1'	0.85956885 1	0.856321691

136° 0'	224° 0'	0.85966990	0.855656488	136° 40'	223° 20'	0.86368682	0.829276355	137° 20'	222° 40'	0.86765450	0.803339747
136° 1'	223° 59'	0.85977091	0.854991562	136° 41'	223° 19'	0.86378661	0.828622543	137° 21'	222° 39'	0.86775306	0.802696997
136° 2'	223° 58'	0.85987190	0.854326915	136° 42'	223° 18'	0.86388637	0.827969008	137° 22'	222° 38'	0.86785158	0.802054523
136° 3'	223° 57'	0.85997286	0.853662547	136° 43'	223° 17'	0.86398611	0.827315750	137° 23'	222° 37'	0.86795008	0.801412324
136° 4'	223° 56'	0.86007379	0.852998457	136° 44'	223° 16'	0.86408581	0.826662770	137° 24'	222° 36'	0.86804854	0.800770402
136° 5'	223° 55'	0.86017468	0.852334645	136° 45'	223° 15'	0.86418548	0.826010066	137° 25'	222° 35'	0.86814697	0.800128755
136° 6'	223° 54'	0.86027555	0.851671112	136° 46'	223° 14'	0.86428512	0.825357639	137° 26'	222° 34'	0.86824537	0.799487384
136° 7'	223° 53'	0.86037639	0.851007857	136° 47'	223° 13'	0.86438473	0.824705490	137° 27'	222° 33'	0.86834374	0.798846289
136° 8'	223° 52'	0.86047719	0.850344880	136° 48'	223° 12'	0.86448431	0.824053617	137° 28'	222° 32'	0.86844208	0.798205469
136° 9'	223° 51'	0.86057797	0.849682182	136° 49'	223° 11'	0.86458386	0.823402021	137° 29'	222° 31'	0.86854039	0.797564925
136° 10'	223° 50'	0.86067871	0.849019761	136° 50'	223° 10'	0.86468337	0.822750703	137° 30'	222° 30'	0.86863866	0.796924657
136° 11'	223° 49'	0.86077943	0.848357619	136° 51'	223° 9'	0.86478286	0.822099661	137° 31'	222° 29'	0.86873691	0.796284665
136° 12'	223° 48'	0.86088011	0.847695755	136° 52'	223° 8'	0.86488232	0.821448896	137° 32'	222° 28'	0.86883512	0.795644948
136° 13'	223° 47'	0.86098076	0.847034169	136° 53'	223° 7'	0.86498174	0.820798408	137° 33'	222° 27'	0.86893331	0.795005506
136° 14'	223° 46'	0.86108138	0.846372862	136° 54'	223° 6'	0.86508113	0.820148196	137° 34'	222° 26'	0.86903146	0.794366340
136° 15'	223° 45'	0.86118198	0.845711832	136° 55'	223° 5'	0.86518050	0.819498261	137° 35'	222° 25'	0.86912958	0.793727450
136° 16'	223° 44'	0.86128254	0.845051080	136° 56'	223° 4'	0.86527983	0.818848604	137° 36'	222° 24'	0.86922767	0.793088835
136° 17'	223° 43'	0.86138307	0.844390606	136° 57'	223° 3'	0.86537913	0.818199222	137° 37'	222° 23'	0.86932572	0.792450496
136° 18'	223° 42'	0.86148357	0.843730410	136° 58'	223° 2'	0.86547840	0.817550118	137° 38'	222° 22'	0.86942375	0.791812431
136° 19'	223° 41'	0.86158404	0.843070492	136° 59'	223° 1'	0.86557764	0.816901290	137° 39'	222° 21'	0.86952175	0.791174643
136° 20'	223° 40'	0.86168448	0.842410852	137° 0'	223° 0'	0.86567685	0.816252738	137° 40'	222° 20'	0.86961971	0.790537129
136° 21'	223° 39'	0.86178489	0.841751490	137° 1'	222° 59'	0.86577602	0.815604464	137° 41'	222° 19'	0.86971764	0.789899891
136° 22'	223° 38'	0.86188526	0.841092406	137° 2'	222° 58'	0.86587517	0.814956465	137° 42'	222° 18'	0.86981554	0.789262928
136° 23'	223° 37'	0.86198561	0.840433599	137° 3'	222° 57'	0.86597428	0.814308743	137° 43'	222° 17'	0.86991341	0.788626241
136° 24'	223° 36'	0.86208593	0.839775070	137° 4'	222° 56'	0.86607337	0.813661298	137° 44'	222° 16'	0.87001125	0.787989829
136° 25'	223° 35'	0.86218621	0.839116819	137° 5'	222° 55'	0.86617242	0.813014129	137° 45'	222° 15'	0.87010906	0.787353691
136° 26'	223° 34'	0.86228647	0.838458845	137° 6'	222° 54'	0.86627144	0.812367237	137° 46'	222° 14'	0.87020684	0.786717829
136° 27'	223° 33'	0.86238669	0.837801150	137° 7'	222° 53'	0.86637044	0.811720621	137° 47'	222° 13'	0.87030458	0.786082243
136° 28'	223° 32'	0.86248689	0.837143731	137° 8'	222° 52'	0.86646940	0.811074281	137° 48'	222° 12'	0.87040229	0.785446931
136° 29'	223° 31'	0.86258705	0.836486591	137° 9'	222° 51'	0.86656833	0.810428218	137° 49'	222° 11'	0.87049998	0.784811894
136° 30'	223° 30'	0.86268718	0.835829728	137° 10'	222° 50'	0.86666722	0.809782430	137° 50'	222° 10'	0.87059763	0.784177132
136° 31'	223° 29'	0.86278728	0.835173142	137° 11'	222° 49'	0.86676609	0.809136919	137° 51'	222° 9'	0.87069525	0.783542646
136° 32'	223° 28'	0.86288735	0.834516834	137° 12'	222° 48'	0.86686493	0.808491685	137° 52'	222° 8'	0.87079283	0.782908434
136° 33'	223° 27'	0.86298739	0.833860803	137° 13'	222° 47'	0.86696373	0.807846726	137° 53'	222° 7'	0.87089039	0.782274497
136° 34'	223° 26'	0.86308740	0.833205050	137° 14'	222° 46'	0.86706251	0.807202044	137° 54'	222° 6'	0.87098792	0.781640835
136° 35'	223° 25'	0.86318738	0.832549574	137° 15'	222° 45'	0.86716125	0.806557638	137° 55'	222° 5'	0.87108541	0.781007448
136° 36'	223° 24'	0.86328733	0.831894376	137° 16'	222° 44'	0.86725996	0.805913507	137° 56'	222° 4'	0.87118287	0.780374336
136° 37'	223° 23'	0.86338725	0.831239455	137° 17'	222° 43'	0.86735864	0.805269653	137° 57'	222° 3'	0.87128030	0.779741499
136° 38'	223° 22'	0.86348714	0.830584811	137° 18'	222° 42'	0.86745729	0.804626075	137° 58'	222° 2'	0.87137770	0.779108936
136° 39'	223° 21'	0.86358699	0.829930444	137° 19'	222° 41'	0.86755591	0.803982773	137° 59'	222° 1'	0.87147507	0.778476649

138° 0'	222° 0'	0.87157241 3	0.777844635	138° 40'	221° 20'	0.87544001 6	0.752789035	139° 20'	220° 40'	0.87925679 2	0.728171005
138° 1'	221° 59'	0.87166971 8	0.777212897	138° 41'	221° 19'	0.87553605 8	0.752168260	139° 21'	220° 39'	0.87935155 5	0.727561144
138° 2'	221° 58'	0.87176699 2	0.776581433	138° 42'	221° 18'	0.87563206 7	0.751547758	139° 22'	220° 38'	0.87944628 7	0.726951556
138° 3'	221° 57'	0.87186423 5	0.775950244	138° 43'	221° 17'	0.87572804 4	0.750927529	139° 23'	220° 37'	0.87954098 6	0.726342239
138° 4'	221° 56'	0.87196144 6	0.775319330	138° 44'	221° 16'	0.87582399 0	0.750307573	139° 24'	220° 36'	0.87963565 4	0.725733195
138° 5'	221° 55'	0.87205862 5	0.774688690	138° 45'	221° 15'	0.87591990 4	0.749687891	139° 25'	220° 35'	0.87973028 9	0.725124423
138° 6'	221° 54'	0.87215577 3	0.774058325	138° 46'	221° 14'	0.87601578 6	0.749068483	139° 26'	220° 34'	0.87982489 2	0.724515923
138° 7'	221° 53'	0.87225289 0	0.773428234	138° 47'	221° 13'	0.87611163 6	0.748449347	139° 27'	220° 33'	0.87991946 3	0.723907696
138° 8'	221° 52'	0.87234997 5	0.772798417	138° 48'	221° 12'	0.87620745 4	0.747830485	139° 28'	220° 32'	0.88001400 2	0.723299740
138° 9'	221° 51'	0.87244702 8	0.772168875	138° 49'	221° 11'	0.87630324 1	0.747211896	139° 29'	220° 31'	0.88010850 8	0.722692056
138° 10'	221° 50'	0.87254405 0	0.771539608	138° 50'	221° 10'	0.87639899 6	0.746593581	139° 30'	220° 30'	0.88020298 3	0.722084645
138° 11'	221° 49'	0.87264104 1	0.770910615	138° 51'	221° 9'	0.87649471 9	0.745975538	139° 31'	220° 29'	0.88029742 5	0.721477505
138° 12'	221° 48'	0.87273800 0	0.770281896	138° 52'	221° 8'	0.87659041 0	0.745357769	139° 32'	220° 28'	0.88039183 5	0.720870637
138° 13'	221° 47'	0.87283492 7	0.769653451	138° 53'	221° 7'	0.87668606 9	0.744740273	139° 33'	220° 27'	0.88048621 3	0.720264042
138° 14'	221° 46'	0.87293182 3	0.769025281	138° 54'	221° 6'	0.87678169 6	0.744123049	139° 34'	220° 26'	0.88058055 9	0.719657718
138° 15'	221° 45'	0.87302868 8	0.768397385	138° 55'	221° 5'	0.87687729 2	0.743506099	139° 35'	220° 25'	0.88067487 2	0.719051666
138° 16'	221° 44'	0.87312552 0	0.767769764	138° 56'	221° 4'	0.87697285 5	0.742889422	139° 36'	220° 24'	0.88076915 4	0.718445886
138° 17'	221° 43'	0.87322232 2	0.767142416	138° 57'	221° 3'	0.87706838 7	0.742273018	139° 37'	220° 23'	0.88086340 3	0.717840378
138° 18'	221° 42'	0.87331909 1	0.766515343	138° 58'	221° 2'	0.87716388 6	0.741656887	139° 38'	220° 22'	0.88095762 0	0.717235141
138° 19'	221° 41'	0.87341582 9	0.765888544	138° 59'	221° 1'	0.87725935 4	0.741041029	139° 39'	220° 21'	0.88105180 4	0.716630177
138° 20'	221° 40'	0.87351253 6	0.765262019	139° 0'	221° 0'	0.87735479 0	0.740425444	139° 40'	220° 20'	0.88114595 7	0.716025484
138° 21'	221° 39'	0.87360921 0	0.764635768	139° 1'	220° 59'	0.87745019 4	0.739810132	139° 41'	220° 19'	0.88124007 7	0.715421063
138° 22'	221° 38'	0.87370585 4	0.764009791	139° 2'	220° 58'	0.87754556 6	0.739195092	139° 42'	220° 18'	0.88133416 5	0.714816913
138° 23'	221° 37'	0.87380246 5	0.763384088	139° 3'	220° 57'	0.87764090 6	0.738580325	139° 43'	220° 17'	0.88142822 0	0.714213035
138° 24'	221° 36'	0.87389904 5	0.762758659	139° 4'	220° 56'	0.87773621 4	0.737965832	139° 44'	220° 16'	0.88152224 4	0.713609429
138° 25'	221° 35'	0.87399559 4	0.762133504	139° 5'	220° 55'	0.87783149 0	0.737351610	139° 45'	220° 15'	0.88161623 5	0.713006094
138° 26'	221° 34'	0.87409211 0	0.761508623	139° 6'	220° 54'	0.87792673 5	0.736737662	139° 46'	220° 14'	0.88171019 4	0.712403031
138° 27'	221° 33'	0.87418859 5	0.760884016	139° 7'	220° 53'	0.87802194 7	0.736123986	139° 47'	220° 13'	0.88180412 0	0.711800240
138° 28'	221° 32'	0.87428504 9	0.760259683	139° 8'	220° 52'	0.87811712 7	0.735510583	139° 48'	220° 12'	0.88189801 4	0.711197720
138° 29'	221° 31'	0.87438147 0	0.759635624	139° 9'	220° 51'	0.87821227 5	0.734897453	139° 49'	220° 11'	0.88199187 6	0.710595471
138° 30'	221° 30'	0.87447786 0	0.759011838	139° 10'	220° 50'	0.87830739 1	0.734284595	139° 50'	220° 10'	0.88208570 6	0.709993494
138° 31'	221° 29'	0.87457421 9	0.758388326	139° 11'	220° 49'	0.87840247 6	0.733672010	139° 51'	220° 9'	0.88217950 3	0.709391788
138° 32'	221° 28'	0.87467054 5	0.757765088	139° 12'	220° 48'	0.87849752 8	0.733059698	139° 52'	220° 8'	0.88227326 8	0.708790354
138° 33'	221° 27'	0.87476684 0	0.757142124	139° 13'	220° 47'	0.87859254 8	0.732447658	139° 53'	220° 7'	0.88236700 0	0.708189191
138° 34'	221° 26'	0.87486310 4	0.756519433	139° 14'	220° 46'	0.87868753 6	0.731835890	139° 54'	220° 6'	0.88246070 0	0.707588299
138° 35'	221° 25'	0.87495933 5	0.755897016	139° 15'	220° 45'	0.87878249 2	0.731224395	139° 55'	220° 5'	0.88255436 8	0.706987679
138° 36'	221° 24'	0.87505553 5	0.755274873	139° 16'	220° 44'	0.87887741 6	0.730613172	139° 56'	220° 4'	0.88264800 4	0.706387330
138° 37'	221° 23'	0.87515170 3	0.754653003	139° 17'	220° 43'	0.87897230 8	0.730002222	139° 57'	220° 3'	0.88274160 7	0.705787252
138° 38'	221° 22'	0.87524783 9	0.754031407	139° 18'	220° 42'	0.87906716 8	0.729391544	139° 58'	220° 2'	0.88283517 7	0.705187445
138° 39'	221° 21'	0.87534394 4	0.753410085	139° 19'	220° 41'	0.87916199 6	0.728781139	139° 59'	220° 1'	0.88292871 6	0.704587910

140° 0'	220° 0'	0.88302222	0.7039886646	140° 40'	219° 20'	0.88673579	0.680240099	141° 20'	218° 40'	0.89039701	0.656923547
140° 1'	219° 59'	0.88311569	0.7033896653	140° 41'	219° 19'	0.88682796	0.679651927	141° 21'	218° 39'	0.89048786	0.656346153
140° 2'	219° 58'	0.88320913	0.702790931	140° 42'	219° 18'	0.88692010	0.679064026	141° 22'	218° 38'	0.89057869	0.655769028
140° 3'	219° 57'	0.88330254	0.702192480	140° 43'	219° 17'	0.88701221	0.678476395	141° 23'	218° 37'	0.89066948	0.655192171
140° 4'	219° 56'	0.88339592	0.701594300	140° 44'	219° 16'	0.88710428	0.677889033	141° 24'	218° 36'	0.89076023	0.654615583
140° 5'	219° 55'	0.88348926	0.700996391	140° 45'	219° 15'	0.88719632	0.677301942	141° 25'	218° 35'	0.89085095	0.654039264
140° 6'	219° 54'	0.88358257	0.700398753	140° 46'	219° 14'	0.88728832	0.676715120	141° 26'	218° 34'	0.89094164	0.653463214
140° 7'	219° 53'	0.88367585	0.699801386	140° 47'	219° 13'	0.88738030	0.676128568	141° 27'	218° 33'	0.89103230	0.652887432
140° 8'	219° 52'	0.88376910	0.699204290	140° 48'	219° 12'	0.88747224	0.675542286	141° 28'	218° 32'	0.89112293	0.652311919
140° 9'	219° 51'	0.88386231	0.698607465	140° 49'	219° 11'	0.88756415	0.674956274	141° 29'	218° 31'	0.89121352	0.651736675
140° 10'	219° 50'	0.88395549	0.698010911	140° 50'	219° 10'	0.88765602	0.674370531	141° 30'	218° 30'	0.89130407	0.651161700
140° 11'	219° 49'	0.88404864	0.697414627	140° 51'	219° 9'	0.88774787	0.673785058	141° 31'	218° 29'	0.89139460	0.650586993
140° 12'	219° 48'	0.88414176	0.696818615	140° 52'	219° 8'	0.88783968	0.673199855	141° 32'	218° 28'	0.89148509	0.650012554
140° 13'	219° 47'	0.88423484	0.696222873	140° 53'	219° 7'	0.88793145	0.672614922	141° 33'	218° 27'	0.89157555	0.649438385
140° 14'	219° 46'	0.88432789	0.695627402	140° 54'	219° 6'	0.88802320	0.672030258	141° 34'	218° 26'	0.89166597	0.648864483
140° 15'	219° 45'	0.88442091	0.695032202	140° 55'	219° 5'	0.88811491	0.671445864	141° 35'	218° 25'	0.89175637	0.648290851
140° 16'	219° 44'	0.88451390	0.694437272	140° 56'	219° 4'	0.88820659	0.670861739	141° 36'	218° 24'	0.89184672	0.647717486
140° 17'	219° 43'	0.88460685	0.693842613	140° 57'	219° 3'	0.88829824	0.670277884	141° 37'	218° 23'	0.89193705	0.647144390
140° 18'	219° 42'	0.88469977	0.693248225	140° 58'	219° 2'	0.88838985	0.669694298	141° 38'	218° 22'	0.89202734	0.646571563
140° 19'	219° 41'	0.88479266	0.692654107	140° 59'	219° 1'	0.88848143	0.669110982	141° 39'	218° 21'	0.89211760	0.645999004
140° 20'	219° 40'	0.88488552	0.692060260	141° 0'	219° 0'	0.88857298	0.668527935	141° 40'	218° 20'	0.89220783	0.645426713
140° 21'	219° 39'	0.88497834	0.691466684	141° 1'	218° 59'	0.88866449	0.667945158	141° 41'	218° 19'	0.89229802	0.644854691
140° 22'	219° 38'	0.88507113	0.690873378	141° 2'	218° 58'	0.88875597	0.667362650	141° 42'	218° 18'	0.89238818	0.644282937
140° 23'	219° 37'	0.88516389	0.690280342	141° 3'	218° 57'	0.88884742	0.666780412	141° 43'	218° 17'	0.89247831	0.643711451
140° 24'	219° 36'	0.88525662	0.689687577	141° 4'	218° 56'	0.88893884	0.666198443	141° 44'	218° 16'	0.89256840	0.643140234
140° 25'	219° 35'	0.88534931	0.689095083	141° 5'	218° 55'	0.88903022	0.665616743	141° 45'	218° 15'	0.89265846	0.642569285
140° 26'	219° 34'	0.88544197	0.688502858	141° 6'	218° 54'	0.88912157	0.665035313	141° 46'	218° 14'	0.89274849	0.641998604
140° 27'	219° 33'	0.88553460	0.687910905	141° 7'	218° 53'	0.88921289	0.664454152	141° 47'	218° 13'	0.89283848	0.641428191
140° 28'	219° 32'	0.88562719	0.687319221	141° 8'	218° 52'	0.88930417	0.663873260	141° 48'	218° 12'	0.89292844	0.640858046
140° 29'	219° 31'	0.88571976	0.686727808	141° 9'	218° 51'	0.88939542	0.663292637	141° 49'	218° 11'	0.89301837	0.640288169
140° 30'	219° 30'	0.88581229	0.686136666	141° 10'	218° 50'	0.88948664	0.662712283	141° 50'	218° 10'	0.89310826	0.639718561
140° 31'	219° 29'	0.88590478	0.685545793	141° 11'	218° 49'	0.88957783	0.662132199	141° 51'	218° 9'	0.89319812	0.639149221
140° 32'	219° 28'	0.88599725	0.684955191	141° 12'	218° 48'	0.88966898	0.661552384	141° 52'	218° 8'	0.89328795	0.638580148
140° 33'	219° 27'	0.88608968	0.684364859	141° 13'	218° 47'	0.88976010	0.660972838	141° 53'	218° 7'	0.89337775	0.638011344
140° 34'	219° 26'	0.88618208	0.683774797	141° 14'	218° 46'	0.88985118	0.660393561	141° 54'	218° 6'	0.89346751	0.637442807
140° 35'	219° 25'	0.88627445	0.683185005	141° 15'	218° 45'	0.88994224	0.659814553	141° 55'	218° 5'	0.89355723	0.636874539
140° 36'	219° 24'	0.88636678	0.682595484	141° 16'	218° 44'	0.89003326	0.659235814	141° 56'	218° 4'	0.89364693	0.636306538
140° 37'	219° 23'	0.88645908	0.682006232	141° 17'	218° 43'	0.89012424	0.658657344	141° 57'	218° 3'	0.89373659	0.635738806
140° 38'	219° 22'	0.88655135	0.681417251	141° 18'	218° 42'	0.89021520	0.658079143	141° 58'	218° 2'	0.89382622	0.635171341
140° 39'	219° 21'	0.88664359	0.680828540	141° 19'	218° 41'	0.89030612	0.657501210	141° 59'	218° 1'	0.89391581	0.634604144



142° 0'	218° 0'	0.89400537	0.634037215	142° 40'	217° 20'	0.89756039	0.611579366	143° 20'	216° 40'	0.90106159	0.589548303
142° 1'	217° 59'	0.89409490	0.633470554	142° 41'	217° 19'	0.89764858	0.611023395	143° 21'	216° 39'	0.90114843	0.589002980
142° 2'	217° 58'	0.89418439	0.632904161	142° 42'	217° 18'	0.89773674	0.610467691	143° 22'	216° 38'	0.90123523	0.588457923
142° 3'	217° 57'	0.89427386	0.632338035	142° 43'	217° 17'	0.89782486	0.609912253	143° 23'	216° 37'	0.90132200	0.587913132
142° 4'	217° 56'	0.89436328	0.631772177	142° 44'	217° 16'	0.89791294	0.609357082	143° 24'	216° 36'	0.90140873	0.587368606
142° 5'	217° 55'	0.89445268	0.631206587	142° 45'	217° 15'	0.89800100	0.608802178	143° 25'	216° 35'	0.90149543	0.586824346
142° 6'	217° 54'	0.89454204	0.630641264	142° 46'	217° 14'	0.89808902	0.608247540	143° 26'	216° 34'	0.90158210	0.586280351
142° 7'	217° 53'	0.89463137	0.630076209	142° 47'	217° 13'	0.89817700	0.607693169	143° 27'	216° 33'	0.90166873	0.585736622
142° 8'	217° 52'	0.89472066	0.629511422	142° 48'	217° 12'	0.89826495	0.607139065	143° 28'	216° 32'	0.90175533	0.585193158
142° 9'	217° 51'	0.89480992	0.628946902	142° 49'	217° 11'	0.89835287	0.606585226	143° 29'	216° 31'	0.90184190	0.584649960
142° 10'	217° 50'	0.89489915	0.628382650	142° 50'	217° 10'	0.89844076	0.606031655	143° 30'	216° 30'	0.90192843	0.584107028
142° 11'	217° 49'	0.89498834	0.627818665	142° 51'	217° 9'	0.89852861	0.605478350	143° 31'	216° 29'	0.90201492	0.583564360
142° 12'	217° 48'	0.89507750	0.627254948	142° 52'	217° 8'	0.89861643	0.604925311	143° 32'	216° 28'	0.90210138	0.583021959
142° 13'	217° 47'	0.89516663	0.626691498	142° 53'	217° 7'	0.89870421	0.604372539	143° 33'	216° 27'	0.90218781	0.582479822
142° 14'	217° 46'	0.89525572	0.626128316	142° 54'	217° 6'	0.89879196	0.603820033	143° 34'	216° 26'	0.90227421	0.581937951
142° 15'	217° 45'	0.89534478	0.625565401	142° 55'	217° 5'	0.89887968	0.603267794	143° 35'	216° 25'	0.90236057	0.581396346
142° 16'	217° 44'	0.89543381	0.625002754	142° 56'	217° 4'	0.89896736	0.602715821	143° 36'	216° 24'	0.90244689	0.580855005
142° 17'	217° 43'	0.89552280	0.624440374	142° 57'	217° 3'	0.89905501	0.602164114	143° 37'	216° 23'	0.90253319	0.580313930
142° 18'	217° 42'	0.89561176	0.623878261	142° 58'	217° 2'	0.89914262	0.601612673	143° 38'	216° 22'	0.90261944	0.579773120
142° 19'	217° 41'	0.89570069	0.623316416	142° 59'	217° 1'	0.89923020	0.601061499	143° 39'	216° 21'	0.90270567	0.579232576
142° 20'	217° 40'	0.89578958	0.622754838	143° 0'	217° 0'	0.89931775	0.600510591	143° 40'	216° 20'	0.90279186	0.578692297
142° 21'	217° 39'	0.89587844	0.622193527	143° 1'	216° 59'	0.89940526	0.599959949	143° 41'	216° 19'	0.90287801	0.578152282
142° 22'	217° 38'	0.89596727	0.621632483	143° 2'	216° 58'	0.89949274	0.599409574	143° 42'	216° 18'	0.90296414	0.577612534
142° 23'	217° 37'	0.89605606	0.621071707	143° 3'	216° 57'	0.89958019	0.598859464	143° 43'	216° 17'	0.90305022	0.577073050
142° 24'	217° 36'	0.89614482	0.620511198	143° 4'	216° 56'	0.89966760	0.598309621	143° 44'	216° 16'	0.90313628	0.576533831
142° 25'	217° 35'	0.89623354	0.619950956	143° 5'	216° 55'	0.89975498	0.597760044	143° 45'	216° 15'	0.90322230	0.575994877
142° 26'	217° 34'	0.89632223	0.619390981	143° 6'	216° 54'	0.89984232	0.597210733	143° 46'	216° 14'	0.90330828	0.575456189
142° 27'	217° 33'	0.89641089	0.618831273	143° 7'	216° 53'	0.89992964	0.596661688	143° 47'	216° 13'	0.90339423	0.574917765
142° 28'	217° 32'	0.89649952	0.618271832	143° 8'	216° 52'	0.90001691	0.596112909	143° 48'	216° 12'	0.90348015	0.574379607
142° 29'	217° 31'	0.89658811	0.617712658	143° 9'	216° 51'	0.90010416	0.595564396	143° 49'	216° 11'	0.90356603	0.573841713
142° 30'	217° 30'	0.89667667	0.617153752	143° 10'	216° 50'	0.90019136	0.595016149	143° 50'	216° 10'	0.90365188	0.573304085
142° 31'	217° 29'	0.89676519	0.616595112	143° 11'	216° 49'	0.90027854	0.594468168	143° 51'	216° 9'	0.90373770	0.572766721
142° 32'	217° 28'	0.89685368	0.616036740	143° 12'	216° 48'	0.90036568	0.593920453	143° 52'	216° 8'	0.90382348	0.572229623
142° 33'	217° 27'	0.89694214	0.615478634	143° 13'	216° 47'	0.90045279	0.593373004	143° 53'	216° 7'	0.90390923	0.571692789
142° 34'	217° 26'	0.89703056	0.614920795	143° 14'	216° 46'	0.90053986	0.592825821	143° 54'	216° 6'	0.90399494	0.571156220
142° 35'	217° 25'	0.89711895	0.614363223	143° 15'	216° 45'	0.90062690	0.592278903	143° 55'	216° 5'	0.90408062	0.570619916
142° 36'	217° 24'	0.89720731	0.613805918	143° 16'	216° 44'	0.90071391	0.591732252	143° 56'	216° 4'	0.90416626	0.570083877
142° 37'	217° 23'	0.89729563	0.613248880	143° 17'	216° 43'	0.90080088	0.591185866	143° 57'	216° 3'	0.90425187	0.569548102
142° 38'	217° 22'	0.89738392	0.612692109	143° 18'	216° 42'	0.90088782	0.590639746	143° 58'	216° 2'	0.90433744	0.569012593
142° 39'	217° 21'	0.89747217	0.612135604	143° 19'	216° 41'	0.90097472	0.590093892	143° 59'	216° 1'	0.90442299	0.568477348

144° 0'	216° 0'	0.90450849	0.567942367	144° 40'	215° 20'	0.90790063	0.546759939	145° 20'	214° 40'	0.91123754	0.525999436
144° 1'	215° 59'	0.90459397	0.567407652	144° 41'	215° 19'	0.90798473	0.546235791	145° 21'	214° 39'	0.91132025	0.525485815
144° 2'	215° 58'	0.90467940	0.566873201	144° 42'	215° 18'	0.90806879	0.545711906	145° 22'	214° 38'	0.91140293	0.524972458
144° 3'	215° 57'	0.90476481	0.566339015	144° 43'	215° 17'	0.90815282	0.545188285	145° 23'	214° 37'	0.91148557	0.524459363
144° 4'	215° 56'	0.90485018	0.565805093	144° 44'	215° 16'	0.90823681	0.544664928	145° 24'	214° 36'	0.91156818	0.523946531
144° 5'	215° 55'	0.90493551	0.565271436	144° 45'	215° 15'	0.90832077	0.544141834	145° 25'	214° 35'	0.91165075	0.523433962
144° 6'	215° 54'	0.90502082	0.564738044	144° 46'	215° 14'	0.90840470	0.543619004	145° 26'	214° 34'	0.91173329	0.522921655
144° 7'	215° 53'	0.90510608	0.564204916	144° 47'	215° 13'	0.90848859	0.543096437	145° 27'	214° 33'	0.91181579	0.522409611
144° 8'	215° 52'	0.90519132	0.563672052	144° 48'	215° 12'	0.90857244	0.542574134	145° 28'	214° 32'	0.91189826	0.521897829
144° 9'	215° 51'	0.90527651	0.563139453	144° 49'	215° 11'	0.90865627	0.542052095	145° 29'	214° 31'	0.91198069	0.521386310
144° 10'	215° 50'	0.90536168	0.562607119	144° 50'	215° 10'	0.90874005	0.541530319	145° 30'	214° 30'	0.91206309	0.520875054
144° 11'	215° 49'	0.90544681	0.562075049	144° 51'	215° 9'	0.90882381	0.541008806	145° 31'	214° 29'	0.91214545	0.520364060
144° 12'	215° 48'	0.90553190	0.561543243	144° 52'	215° 8'	0.90890752	0.540487557	145° 32'	214° 28'	0.91222778	0.519853328
144° 13'	215° 47'	0.90561697	0.561011702	144° 53'	215° 7'	0.90899121	0.539966571	145° 33'	214° 27'	0.91231007	0.519342859
144° 14'	215° 46'	0.90570199	0.560480425	144° 54'	215° 6'	0.90907485	0.539445849	145° 34'	214° 26'	0.91239233	0.518832652
144° 15'	215° 45'	0.90578699	0.559949413	144° 55'	215° 5'	0.90915847	0.538925390	145° 35'	214° 25'	0.91247456	0.518322708
144° 16'	215° 44'	0.90587194	0.559418665	144° 56'	215° 4'	0.90924205	0.538405194	145° 36'	214° 24'	0.91255674	0.517813026
144° 17'	215° 43'	0.90595687	0.558888181	144° 57'	215° 3'	0.90932559	0.537885262	145° 37'	214° 23'	0.91263890	0.517303606
144° 18'	215° 42'	0.90604176	0.558357961	144° 58'	215° 2'	0.90940910	0.537365593	145° 38'	214° 22'	0.91272102	0.516794449
144° 19'	215° 41'	0.90612661	0.557828006	144° 59'	215° 1'	0.90949258	0.536846187	145° 39'	214° 21'	0.91280310	0.516285554
144° 20'	215° 40'	0.90621144	0.557298315	145° 0'	215° 0'	0.90957602	0.536327044	145° 40'	214° 20'	0.91288515	0.515776921
144° 21'	215° 39'	0.90629622	0.556768888	145° 1'	214° 59'	0.90965942	0.535808165	145° 41'	214° 19'	0.91296716	0.515268551
144° 22'	215° 38'	0.90638097	0.556239725	145° 2'	214° 58'	0.90974279	0.535289549	145° 42'	214° 18'	0.91304914	0.514760443
144° 23'	215° 37'	0.90646569	0.555710826	145° 3'	214° 57'	0.90982613	0.534771196	145° 43'	214° 17'	0.91313109	0.514252597
144° 24'	215° 36'	0.90655038	0.555182192	145° 4'	214° 56'	0.90990943	0.534253106	145° 44'	214° 16'	0.91321300	0.513745013
144° 25'	215° 35'	0.90663503	0.554653821	145° 5'	214° 55'	0.90999270	0.533735279	145° 45'	214° 15'	0.91329487	0.513237692
144° 26'	215° 34'	0.90671964	0.554125715	145° 6'	214° 54'	0.91007593	0.533217715	145° 46'	214° 14'	0.91337671	0.512730632
144° 27'	215° 33'	0.90680422	0.553597872	145° 7'	214° 53'	0.91015913	0.532700415	145° 47'	214° 13'	0.91345851	0.512223835
144° 28'	215° 32'	0.90688877	0.553070294	145° 8'	214° 52'	0.91024229	0.532183377	145° 48'	214° 12'	0.91354028	0.511717300
144° 29'	215° 31'	0.90697328	0.552542980	145° 9'	214° 51'	0.91032542	0.531666603	145° 49'	214° 11'	0.91362202	0.511211026
144° 30'	215° 30'	0.90705775	0.552015930	145° 10'	214° 50'	0.91040852	0.531150091	145° 50'	214° 10'	0.91370372	0.510705015
144° 31'	215° 29'	0.90714220	0.551489143	145° 11'	214° 49'	0.91049158	0.530633843	145° 51'	214° 9'	0.91378538	0.510199266
144° 32'	215° 28'	0.90722661	0.550962621	145° 12'	214° 48'	0.91057460	0.530117857	145° 52'	214° 8'	0.91386701	0.509693779
144° 33'	215° 27'	0.90731098	0.550436362	145° 13'	214° 47'	0.91065759	0.529602134	145° 53'	214° 7'	0.91394860	0.509188554
144° 34'	215° 26'	0.90739532	0.549910367	145° 14'	214° 46'	0.91074054	0.529086675	145° 54'	214° 6'	0.91403016	0.508683591
144° 35'	215° 25'	0.90747962	0.549384636	145° 15'	214° 45'	0.91082346	0.528571478	145° 55'	214° 5'	0.91411169	0.508178890
144° 36'	215° 24'	0.90756389	0.548859169	145° 16'	214° 44'	0.91090635	0.528056544	145° 56'	214° 4'	0.91419318	0.507674450
144° 37'	215° 23'	0.90764813	0.548333966	145° 17'	214° 43'	0.91098920	0.527541872	145° 57'	214° 3'	0.91427463	0.507170273
144° 38'	215° 22'	0.90773233	0.547809027	145° 18'	214° 42'	0.91107202	0.527027464	145° 58'	214° 2'	0.91435605	0.506666358
144° 39'	215° 21'	0.90781650	0.547284351	145° 19'	214° 41'	0.91115480	0.526513318	145° 59'	214° 1'	0.91443743	0.506162704

146° 0'	214° 0'	0.91451878	0.505659312	146° 40'	213° 20'	0.91774390	0.485738060	147° 20'	212° 40'	0.92091246	0.466234207
146° 1'	213° 59'	0.91460010	0.505156182	146° 41'	213° 19'	0.91782381	0.485245383	147° 21'	212° 39'	0.92099095	0.465751946
146° 2'	213° 58'	0.91468137	0.504653314	146° 42'	213° 18'	0.91790368	0.484752966	147° 22'	212° 38'	0.92106940	0.465269946
146° 3'	213° 57'	0.91476262	0.504150707	146° 43'	213° 17'	0.91798351	0.484260810	147° 23'	212° 37'	0.92114782	0.464788205
146° 4'	213° 56'	0.91484383	0.503648362	146° 44'	213° 16'	0.91806331	0.483768916	147° 24'	212° 36'	0.92122619	0.464306723
146° 5'	213° 55'	0.91492500	0.503146279	146° 45'	213° 15'	0.91814307	0.483277282	147° 25'	212° 35'	0.92130454	0.463825502
146° 6'	213° 54'	0.91500614	0.502644457	146° 46'	213° 14'	0.91822280	0.482785908	147° 26'	212° 34'	0.92138284	0.463344541
146° 7'	213° 53'	0.91508724	0.502142898	146° 47'	213° 13'	0.91830249	0.482294796	147° 27'	212° 33'	0.92146112	0.462863839
146° 8'	213° 52'	0.91516831	0.501641599	146° 48'	213° 12'	0.91838215	0.481803944	147° 28'	212° 32'	0.92153935	0.462383398
146° 9'	213° 51'	0.91524934	0.501140563	146° 49'	213° 11'	0.91846177	0.481313353	147° 29'	212° 31'	0.92161755	0.461903216
146° 10'	213° 50'	0.91533034	0.500639788	146° 50'	213° 10'	0.91854136	0.480823022	147° 30'	212° 30'	0.92169572	0.461423294
146° 11'	213° 49'	0.91541130	0.500139274	146° 51'	213° 9'	0.91862091	0.480332952	147° 31'	212° 29'	0.92177385	0.460943631
146° 12'	213° 48'	0.91549223	0.499639022	146° 52'	213° 8'	0.91870043	0.479843143	147° 32'	212° 28'	0.92185194	0.460464229
146° 13'	213° 47'	0.91557312	0.499139032	146° 53'	213° 7'	0.91877991	0.479353595	147° 33'	212° 27'	0.92193000	0.459985086
146° 14'	213° 46'	0.91565398	0.498639303	146° 54'	213° 6'	0.91885935	0.478864307	147° 34'	212° 26'	0.92200802	0.459506203
146° 15'	213° 45'	0.91573480	0.498139836	146° 55'	213° 5'	0.91893876	0.478375279	147° 35'	212° 25'	0.92208601	0.459027579
146° 16'	213° 44'	0.91581559	0.497640630	146° 56'	213° 4'	0.91901814	0.477886512	147° 36'	212° 24'	0.92216396	0.458549215
146° 17'	213° 43'	0.91589634	0.497141685	146° 57'	213° 3'	0.91909748	0.477398006	147° 37'	212° 23'	0.92224187	0.458071111
146° 18'	213° 42'	0.91597706	0.496643002	146° 58'	213° 2'	0.91917678	0.476909760	147° 38'	212° 22'	0.92231975	0.457593266
146° 19'	213° 41'	0.91605774	0.496144580	146° 59'	213° 1'	0.91925605	0.476421774	147° 39'	212° 21'	0.92239760	0.457115681
146° 20'	213° 40'	0.91613838	0.495646420	147° 0'	213° 0'	0.91933528	0.475934049	147° 40'	212° 20'	0.92247540	0.456638356
146° 21'	213° 39'	0.91621899	0.495148521	147° 1'	212° 59'	0.91941448	0.475446585	147° 41'	212° 19'	0.92255318	0.456161290
146° 22'	213° 38'	0.91629957	0.494650883	147° 2'	212° 58'	0.91949364	0.474959380	147° 42'	212° 18'	0.92263091	0.455684483
146° 23'	213° 37'	0.91638011	0.494153506	147° 3'	212° 57'	0.91957276	0.474472437	147° 43'	212° 17'	0.92270861	0.455207936
146° 24'	213° 36'	0.91646062	0.493656391	147° 4'	212° 56'	0.91965185	0.473985753	147° 44'	212° 16'	0.92278628	0.454731649
146° 25'	213° 35'	0.91654109	0.493159537	147° 5'	212° 55'	0.91973091	0.473499330	147° 45'	212° 15'	0.92286391	0.454255621
146° 26'	213° 34'	0.91662152	0.492662944	147° 6'	212° 54'	0.91980993	0.473013167	147° 46'	212° 14'	0.92294150	0.453779852
146° 27'	213° 33'	0.91670192	0.492166613	147° 7'	212° 53'	0.91988891	0.472527265	147° 47'	212° 13'	0.92301906	0.453304343
146° 28'	213° 32'	0.91678228	0.491670542	147° 8'	212° 52'	0.91996786	0.472041622	147° 48'	212° 12'	0.92309658	0.452829093
146° 29'	213° 31'	0.91686261	0.491174733	147° 9'	212° 51'	0.92004677	0.471556240	147° 49'	212° 11'	0.92317406	0.452354102
146° 30'	213° 30'	0.91694291	0.490679185	147° 10'	212° 50'	0.92012565	0.471071118	147° 50'	212° 10'	0.92325151	0.451879371
146° 31'	213° 29'	0.91702316	0.490183898	147° 11'	212° 49'	0.92020449	0.470586257	147° 51'	212° 9'	0.92332893	0.451404899
146° 32'	213° 28'	0.91710339	0.489688872	147° 12'	212° 48'	0.92028330	0.470101655	147° 52'	212° 8'	0.92340631	0.450930687
146° 33'	213° 27'	0.91718358	0.489194107	147° 13'	212° 47'	0.92036207	0.469617314	147° 53'	212° 7'	0.92348365	0.450456733
146° 34'	213° 26'	0.91726373	0.488699603	147° 14'	212° 46'	0.92044080	0.469133233	147° 54'	212° 6'	0.92356096	0.449983039
146° 35'	213° 25'	0.91734385	0.488205360	147° 15'	212° 45'	0.92051950	0.468649412	147° 55'	212° 5'	0.92363823	0.449509604
146° 36'	213° 24'	0.91742393	0.487711378	147° 16'	212° 44'	0.92059817	0.468165851	147° 56'	212° 4'	0.92371546	0.449036429
146° 37'	213° 23'	0.91750397	0.487217657	147° 17'	212° 43'	0.92067679	0.467682550	147° 57'	212° 3'	0.92379266	0.448563512
146° 38'	213° 22'	0.91758398	0.486724197	147° 18'	212° 42'	0.92075539	0.467199509	147° 58'	212° 2'	0.92386982	0.448090855
146° 39'	213° 21'	0.91766396	0.486230998	147° 19'	212° 41'	0.92083394	0.466716728	147° 59'	212° 1'	0.92394695	0.447618457

148° 0'	212° 0'	0.92402404 8	0.447146318	148° 40'	211° 20'	0.92707822 1	0.428472992	149° 20'	210° 40'	0.93007457 4	0.410212862
148° 1'	211° 59'	0.92410110 4	0.446674438	148° 41'	211° 19'	0.92715383 6	0.428011458	149° 21'	210° 39'	0.93014873 8	0.409761641
148° 2'	211° 58'	0.92417812 4	0.446202817	148° 42'	211° 18'	0.92722941 5	0.427550183	149° 22'	210° 38'	0.93022286 7	0.409310678
148° 3'	211° 57'	0.92425510 7	0.445731456	148° 43'	211° 17'	0.92730495 8	0.427089166	149° 23'	210° 37'	0.93029695 8	0.408859972
148° 4'	211° 56'	0.92433205 6	0.445260353	148° 44'	211° 16'	0.92738046 5	0.426628407	149° 24'	210° 36'	0.93037101 4	0.408409523
148° 5'	211° 55'	0.92440896 8	0.444789509	148° 45'	211° 15'	0.92745593 5	0.426167906	149° 25'	210° 35'	0.93044503 2	0.407959332
148° 6'	211° 54'	0.92448584 4	0.444318925	148° 46'	211° 14'	0.92753137 0	0.425707664	149° 26'	210° 34'	0.93051901 5	0.407509398
148° 7'	211° 53'	0.92456268 4	0.443848599	148° 47'	211° 13'	0.92760676 8	0.425247679	149° 27'	210° 33'	0.93059296 1	0.407059721
148° 8'	211° 52'	0.92463948 8	0.443378532	148° 48'	211° 12'	0.92768213 0	0.424787953	149° 28'	210° 32'	0.93066687 0	0.406610302
148° 9'	211° 51'	0.92471625 7	0.442908724	148° 49'	211° 11'	0.92775745 6	0.424328485	149° 29'	210° 31'	0.93074074 4	0.406161140
148° 10'	211° 50'	0.92479298 9	0.442439175	148° 50'	211° 10'	0.92783274 6	0.423869274	149° 30'	210° 30'	0.93081458 0	0.405712235
148° 11'	211° 49'	0.92486968 6	0.441969885	148° 51'	211° 9'	0.92790799 9	0.423410322	149° 31'	210° 29'	0.93088838 0	0.405263587
148° 12'	211° 48'	0.92494634 6	0.441500854	148° 52'	211° 8'	0.92798321 6	0.422951628	149° 32'	210° 28'	0.93096214 4	0.404815196
148° 13'	211° 47'	0.92502297 1	0.441032082	148° 53'	211° 7'	0.92805839 7	0.422493192	149° 33'	210° 27'	0.93103587 2	0.404367063
148° 14'	211° 46'	0.92509956 0	0.440563568	148° 54'	211° 6'	0.92813354 2	0.422035014	149° 34'	210° 26'	0.93110956 2	0.403919187
148° 15'	211° 45'	0.92517611 2	0.440095313	148° 55'	211° 5'	0.92820865 1	0.421577094	149° 35'	210° 25'	0.93118321 7	0.403471568
148° 16'	211° 44'	0.92525262 9	0.439627317	148° 56'	211° 4'	0.92828372 3	0.421119431	149° 36'	210° 24'	0.93125683 5	0.403024206
148° 17'	211° 43'	0.92532911 0	0.439159580	148° 57'	211° 3'	0.92835875 9	0.420662027	149° 37'	210° 23'	0.93133041 6	0.402577101
148° 18'	211° 42'	0.92540555 5	0.438692102	148° 58'	211° 2'	0.92843375 9	0.420204880	149° 38'	210° 22'	0.93140396 1	0.402130253
148° 19'	211° 41'	0.92548196 3	0.438224882	148° 59'	211° 1'	0.92850872 3	0.419747992	149° 39'	210° 21'	0.93147746 9	0.401683662
148° 20'	211° 40'	0.92555833 6	0.437757921	149° 0'	211° 0'	0.92858365 0	0.419291361	149° 40'	210° 20'	0.93155094 1	0.401237328
148° 21'	211° 39'	0.92563467 3	0.437291218	149° 1'	210° 59'	0.92865854 1	0.418834988	149° 41'	210° 19'	0.93162437 6	0.400791252
148° 22'	211° 38'	0.92571097 4	0.436824775	149° 2'	210° 58'	0.92873339 6	0.418378873	149° 42'	210° 18'	0.93169777 5	0.400345432
148° 23'	211° 37'	0.92578723 8	0.436358589	149° 3'	210° 57'	0.92880821 5	0.417923016	149° 43'	210° 17'	0.93177113 8	0.399899869
148° 24'	211° 36'	0.92586346 7	0.435892663	149° 4'	210° 56'	0.92888299 7	0.417467416	149° 44'	210° 16'	0.93184446 3	0.399454563
148° 25'	211° 35'	0.92593966 0	0.435426995	149° 5'	210° 55'	0.92895774 3	0.417012074	149° 45'	210° 15'	0.93191775 3	0.399009514
148° 26'	211° 34'	0.92601581 6	0.434961586	149° 6'	210° 54'	0.92903245 3	0.416556990	149° 46'	210° 14'	0.93199100 5	0.398564722
148° 27'	211° 33'	0.92609193 7	0.434496435	149° 7'	210° 53'	0.92910712 6	0.416102164	149° 47'	210° 13'	0.93206422 1	0.398120187
148° 28'	211° 32'	0.92616802 1	0.434031542	149° 8'	210° 52'	0.92918176 3	0.415647595	149° 48'	210° 12'	0.93213740 1	0.397675909
148° 29'	211° 31'	0.92624407 0	0.433566909	149° 9'	210° 51'	0.92925636 4	0.415193284	149° 49'	210° 11'	0.93221054 4	0.397231887
148° 30'	211° 30'	0.92632008 2	0.433102533	149° 10'	210° 50'	0.92933092 9	0.414739230	149° 50'	210° 10'	0.93228365 0	0.396788123
148° 31'	211° 29'	0.92639605 8	0.432638416	149° 11'	210° 49'	0.92940545 7	0.414285435	149° 51'	210° 9'	0.93235672 0	0.396344615
148° 32'	211° 28'	0.92647199 9	0.432174558	149° 12'	210° 48'	0.92947994 8	0.413831896	149° 52'	210° 8'	0.93242975 4	0.395901364
148° 33'	211° 27'	0.92654790 3	0.431710958	149° 13'	210° 47'	0.92955440 4	0.413378616	149° 53'	210° 7'	0.93250275 0	0.395458370
148° 34'	211° 26'	0.92662377 1	0.431247616	149° 14'	210° 46'	0.92962882 3	0.412925593	149° 54'	210° 6'	0.93257571 0	0.395015632
148° 35'	211° 25'	0.92669960 3	0.430784533	149° 15'	210° 45'	0.92970320 6	0.412472827	149° 55'	210° 5'	0.93264863 4	0.394573151
148° 36'	211° 24'	0.92677539 9	0.430321708	149° 16'	210° 44'	0.92977755 2	0.412020319	149° 56'	210° 4'	0.93272152 1	0.394130927
148° 37'	211° 23'	0.92685115 8	0.429859141	149° 17'	210° 43'	0.92985186 2	0.411568069	149° 57'	210° 3'	0.93279437 1	0.393688960
148° 38'	211° 22'	0.92692688 2	0.429396833	149° 18'	210° 42'	0.92992613 6	0.411116076	149° 58'	210° 2'	0.93286718 5	0.393247249
148° 39'	211° 21'	0.92700256 9	0.428934783	149° 19'	210° 41'	0.93000037 3	0.410664340	149° 59'	210° 1'	0.93293996 2	0.392805795

150° 0'	210° 0'	0.93301270 2	0.392364598	150° 40'	209° 20'	0.93589220 7	0.374926902	151° 20'	208° 40'	0.93871269 9	0.357898512
150° 1'	209° 59'	0.93308540 6	0.391923657	150° 41'	209° 19'	0.93596344 0	0.374496209	151° 21'	208° 39'	0.93878245 2	0.357478036
150° 2'	209° 58'	0.93315807 3	0.391482973	150° 42'	209° 18'	0.93603463 6	0.374065772	151° 22'	208° 38'	0.93885216 8	0.357057815
150° 3'	209° 57'	0.93323070 3	0.391042545	150° 43'	209° 17'	0.93610579 6	0.373635591	151° 23'	208° 37'	0.93892184 6	0.356637849
150° 4'	209° 56'	0.93330329 7	0.390602374	150° 44'	209° 16'	0.93617691 8	0.373205665	151° 24'	208° 36'	0.93899148 8	0.356218137
150° 5'	209° 55'	0.93337585 4	0.390162459	150° 45'	209° 15'	0.93624800 4	0.372775995	151° 25'	208° 35'	0.93906109 2	0.355798681
150° 6'	209° 54'	0.93344837 4	0.389722801	150° 46'	209° 14'	0.93631905 2	0.372346581	151° 26'	208° 34'	0.93913065 9	0.355379480
150° 7'	209° 53'	0.93352085 8	0.389283399	150° 47'	209° 13'	0.93639006 4	0.371917422	151° 27'	208° 33'	0.93920018 9	0.354960533
150° 8'	209° 52'	0.93359330 5	0.388844254	150° 48'	209° 12'	0.93646103 9	0.371488520	151° 28'	208° 32'	0.93926968 2	0.354541842
150° 9'	209° 51'	0.93366571 6	0.388405365	150° 49'	209° 11'	0.93653197 6	0.371059872	151° 29'	208° 31'	0.93933913 8	0.354123405
150° 10'	209° 50'	0.93373808 9	0.387966733	150° 50'	209° 10'	0.93660287 7	0.370631481	151° 30'	208° 30'	0.93940855 6	0.353705224
150° 11'	209° 49'	0.93381042 6	0.387528357	150° 51'	209° 9'	0.93667374 1	0.370203345	151° 31'	208° 29'	0.93947793 8	0.353287297
150° 12'	209° 48'	0.93388272 7	0.387090237	150° 52'	209° 8'	0.93674456 8	0.369775465	151° 32'	208° 28'	0.93954728 2	0.352869625
150° 13'	209° 47'	0.93395499 0	0.386652374	150° 53'	209° 7'	0.93681535 8	0.369347840	151° 33'	208° 27'	0.93961658 9	0.352452208
150° 14'	209° 46'	0.93402721 7	0.386214767	150° 54'	209° 6'	0.93688611 2	0.368920471	151° 34'	208° 26'	0.93968585 9	0.352035045
150° 15'	209° 45'	0.93409940 7	0.385777417	150° 55'	209° 5'	0.93695682 8	0.368493357	151° 35'	208° 25'	0.93975509 1	0.351618138
150° 16'	209° 44'	0.93417156 1	0.385340323	150° 56'	209° 4'	0.93702750 7	0.368066499	151° 36'	208° 24'	0.93982428 6	0.351201485
150° 17'	209° 43'	0.93424367 7	0.384903485	150° 57'	209° 3'	0.93709814 9	0.367639897	151° 37'	208° 23'	0.93989344 5	0.350785087
150° 18'	209° 42'	0.93431575 7	0.384466903	150° 58'	209° 2'	0.93716875 4	0.367213549	151° 38'	208° 22'	0.93996256 5	0.350368944
150° 19'	209° 41'	0.93438780 0	0.384030578	150° 59'	209° 1'	0.93723932 2	0.366787458	151° 39'	208° 21'	0.94003164 9	0.349953055
150° 20'	209° 40'	0.93445980 7	0.383594509	151° 0'	209° 0'	0.93730985 4	0.366361622	151° 40'	208° 20'	0.94010069 6	0.349537421
150° 21'	209° 39'	0.93453177 6	0.383158696	151° 1'	208° 59'	0.93738034 8	0.365936041	151° 41'	208° 19'	0.94016970 5	0.349122042
150° 22'	209° 38'	0.93460370 9	0.382723139	151° 2'	208° 58'	0.93745080 5	0.365510716	151° 42'	208° 18'	0.94023867 7	0.348706917
150° 23'	209° 37'	0.93467560 5	0.382287838	151° 3'	208° 57'	0.93752122 5	0.365085646	151° 43'	208° 17'	0.94030761 1	0.348292047
150° 24'	209° 36'	0.93474746 5	0.381852794	151° 4'	208° 56'	0.93759160 8	0.364660831	151° 44'	208° 16'	0.94037650 9	0.347877432
150° 25'	209° 35'	0.93481928 7	0.381418005	151° 5'	208° 55'	0.93766195 4	0.364236272	151° 45'	208° 15'	0.94044536 9	0.347463071
150° 26'	209° 34'	0.93489107 3	0.380983473	151° 6'	208° 54'	0.93773226 4	0.363811968	151° 46'	208° 14'	0.94051419 2	0.347048965
150° 27'	209° 33'	0.93496282 2	0.380549197	151° 7'	208° 53'	0.93780253 6	0.363387919	151° 47'	208° 13'	0.94058297 8	0.346635113
150° 28'	209° 32'	0.93503453 4	0.380115177	151° 8'	208° 52'	0.93787277 1	0.362964126	151° 48'	208° 12'	0.94065172 6	0.346221516
150° 29'	209° 31'	0.93510620 9	0.379681413	151° 9'	208° 51'	0.93794296 9	0.362540588	151° 49'	208° 11'	0.94072043 7	0.345808173
150° 30'	209° 30'	0.93517784 8	0.379247905	151° 10'	208° 50'	0.93801312 9	0.362117305	151° 50'	208° 10'	0.94078911 1	0.345395085
150° 31'	209° 29'	0.93524945 0	0.378814653	151° 11'	208° 49'	0.93808325 3	0.361694278	151° 51'	208° 9'	0.94085774 7	0.344982252
150° 32'	209° 28'	0.93532101 5	0.378381657	151° 12'	208° 48'	0.93815334 0	0.361271505	151° 52'	208° 8'	0.94092634 7	0.344569672
150° 33'	209° 27'	0.93539254 3	0.377948917	151° 13'	208° 47'	0.93822339 0	0.360848988	151° 53'	208° 7'	0.94099490 8	0.344157348
150° 34'	209° 26'	0.93546403 4	0.377516433	151° 14'	208° 46'	0.93829340 2	0.360426726	151° 54'	208° 6'	0.94106343 3	0.343745277
150° 35'	209° 25'	0.93553548 8	0.377084205	151° 15'	208° 45'	0.93836337 8	0.360004719	151° 55'	208° 5'	0.94113192 0	0.343333462
150° 36'	209° 24'	0.93560690 6	0.376652232	151° 16'	208° 44'	0.93843331 6	0.359582968	151° 56'	208° 4'	0.94120037 0	0.342921900
150° 37'	209° 23'	0.93567828 6	0.376220516	151° 17'	208° 43'	0.93850321 8	0.359161471	151° 57'	208° 3'	0.94126878 3	0.342510593
150° 38'	209° 22'	0.93574963 0	0.375789056	151° 18'	208° 42'	0.93857308 2	0.358740230	151° 58'	208° 2'	0.94133715 8	0.342099540
150° 39'	209° 21'	0.93582093 7	0.375357851	151° 19'	208° 41'	0.93864290 9	0.358319243	151° 59'	208° 1'	0.94140549 6	0.341688742

152° 0'	208° 0'	0.94147379 6	0.341278198
152° 1'	207° 59'	0.94154206 0	0.340867908
152° 2'	207° 58'	0.94161028 5	0.340457872
152° 3'	207° 57'	0.94167847 4	0.340048091
152° 4'	207° 56'	0.94174662 5	0.339638564
152° 5'	207° 55'	0.94181473 9	0.339229291
152° 6'	207° 54'	0.94188281 5	0.338820273
152° 7'	207° 53'	0.94195085 4	0.338411508
152° 8'	207° 52'	0.94201885 6	0.338002998
152° 9'	207° 51'	0.94208682 0	0.337594742
152° 10'	207° 50'	0.94215474 6	0.337186740
152° 11'	207° 49'	0.94222263 6	0.336778992
152° 12'	207° 48'	0.94229048 8	0.336371498
152° 13'	207° 47'	0.94235830 2	0.335964259
152° 14'	207° 46'	0.94242607 9	0.335557273
152° 15'	207° 45'	0.94249381 9	0.335150541
152° 16'	207° 44'	0.94256152 1	0.334744064
152° 17'	207° 43'	0.94262918 6	0.334337840
152° 18'	207° 42'	0.94269681 3	0.333931871
152° 19'	207° 41'	0.94276440 3	0.333526155
152° 20'	207° 40'	0.94283195 5	0.333120693
152° 21'	207° 39'	0.94289947 0	0.332715486
152° 22'	207° 38'	0.94296694 7	0.332310532
152° 23'	207° 37'	0.94303438 7	0.331905832
152° 24'	207° 36'	0.94310179 0	0.331501386
152° 25'	207° 35'	0.94316915 5	0.331097194
152° 26'	207° 34'	0.94323648 2	0.330693255
152° 27'	207° 33'	0.94330377 2	0.330289571
152° 28'	207° 32'	0.94337102 4	0.329886140
152° 29'	207° 31'	0.94343823 9	0.329482963
152° 30'	207° 30'	0.94350541 7	0.329080040
152° 31'	207° 29'	0.94357255 6	0.328677371
152° 32'	207° 28'	0.94363965 9	0.328274955
152° 33'	207° 27'	0.94370672 4	0.327872793
152° 34'	207° 26'	0.94377375 1	0.327470885
152° 35'	207° 25'	0.94384074 0	0.327069230
152° 36'	207° 24'	0.94390769 3	0.326667829
152° 37'	207° 23'	0.94397460 7	0.326266682
152° 38'	207° 22'	0.94404148 4	0.325865788
152° 39'	207° 21'	0.94410832 4	0.325465148

152° 40'	207° 20'	0.94417512 5	0.325064762
152° 41'	207° 19'	0.94424189 0	0.324664629
152° 42'	207° 18'	0.94430861 6	0.324264750
152° 43'	207° 17'	0.94437530 5	0.323865124
152° 44'	207° 16'	0.94444195 7	0.323465752
152° 45'	207° 15'	0.94450857 1	0.323066633
152° 46'	207° 14'	0.94457514 7	0.322667767
152° 47'	207° 13'	0.94464168 6	0.322269156
152° 48'	207° 12'	0.94470818 7	0.321870797
152° 49'	207° 11'	0.94477465 0	0.321472692
152° 50'	207° 10'	0.94484107 6	0.321074841
152° 51'	207° 9'	0.94490746 4	0.320677242
152° 52'	207° 8'	0.94497381 4	0.320279898
152° 53'	207° 7'	0.94504012 7	0.319882806
152° 54'	207° 6'	0.94510640 2	0.319485968
152° 55'	207° 5'	0.94517264 0	0.319089383
152° 56'	207° 4'	0.94523884 0	0.318693052
152° 57'	207° 3'	0.94530500 2	0.318296974
152° 58'	207° 2'	0.94537112 6	0.317901149
152° 59'	207° 1'	0.94543721 3	0.317505577
153° 0'	207° 0'	0.94550326 2	0.317110258
153° 1'	206° 59'	0.94556927 3	0.316715193
153° 2'	206° 58'	0.94563524 7	0.316320381
153° 3'	206° 57'	0.94570118 3	0.315925822
153° 4'	206° 56'	0.94576708 1	0.315531517
153° 5'	206° 55'	0.94583294 2	0.315137464
153° 6'	206° 54'	0.94589876 5	0.314743665
153° 7'	206° 53'	0.94596455 0	0.314350118
153° 8'	206° 52'	0.94603029 7	0.313956825
153° 9'	206° 51'	0.94609600 7	0.313563785
153° 10'	206° 50'	0.94616167 9	0.313170998
153° 11'	206° 49'	0.94622731 3	0.312778464
153° 12'	206° 48'	0.94629290 9	0.312386183
153° 13'	206° 47'	0.94635846 8	0.311994155
153° 14'	206° 46'	0.94642398 9	0.311602379
153° 15'	206° 45'	0.94648947 2	0.311210857
153° 16'	206° 44'	0.94655491 7	0.310819588
153° 17'	206° 43'	0.94662032 4	0.310428572
153° 18'	206° 42'	0.94668569 4	0.310037809
153° 19'	206° 41'	0.94675102 6	0.309647298

153° 20'	206° 40'	0.94681632 0	0.309257041
153° 21'	206° 39'	0.94688157 6	0.308867036
153° 22'	206° 38'	0.94694679 5	0.308477284
153° 23'	206° 37'	0.94701197 6	0.308087785
153° 24'	206° 36'	0.94707711 8	0.307698539
153° 25'	206° 35'	0.94714222 3	0.307309546
153° 26'	206° 34'	0.94720729 1	0.306920805
153° 27'	206° 33'	0.94727232 0	0.306532317
153° 28'	206° 32'	0.94733731 1	0.306144082
153° 29'	206° 31'	0.94740226 5	0.305756100
153° 30'	206° 30'	0.94746718 1	0.305368370
153° 31'	206° 29'	0.94753205 9	0.304980893
153° 32'	206° 28'	0.94759689 9	0.304593669
153° 33'	206° 27'	0.94766170 1	0.304206697
153° 34'	206° 26'	0.94772646 5	0.303819978
153° 35'	206° 25'	0.94779119 2	0.303433512
153° 36'	206° 24'	0.94785588 0	0.303047298
153° 37'	206° 23'	0.94792053 1	0.302661337
153° 38'	206° 22'	0.94798514 3	0.302275628
153° 39'	206° 21'	0.94804971 8	0.301890172
153° 40'	206° 20'	0.94811425 5	0.301504968
153° 41'	206° 19'	0.94817875 4	0.301120017
153° 42'	206° 18'	0.94824321 5	0.300735319
153° 43'	206° 17'	0.94830763 8	0.300350873
153° 44'	206° 16'	0.94837202 4	0.299966679
153° 45'	206° 15'	0.94843637 1	0.299582738
153° 46'	206° 14'	0.94850068 0	0.299199049
153° 47'	206° 13'	0.94856495 1	0.298815613
153° 48'	206° 12'	0.94862918 5	0.298432429
153° 49'	206° 11'	0.94869338 0	0.298049497
153° 50'	206° 10'	0.94875753 8	0.297666818
153° 51'	206° 9'	0.94882165 7	0.297284391
153° 52'	206° 8'	0.94888573 9	0.296902217
153° 53'	206° 7'	0.94894978 2	0.296520295
153° 54'	206° 6'	0.94901378 8	0.296138625
153° 55'	206° 5'	0.94907775 5	0.295757207
153° 56'	206° 4'	0.94914168 5	0.295376042
153° 57'	206° 3'	0.94920557 7	0.294995129
153° 58'	206° 2'	0.94926943 0	0.294614468
153° 59'	206° 1'	0.94933324 6	0.294234059

154° 0'	206° 0'	0.94939702 3	0.293853902	154° 40'	205° 20'	0.95191688 5	0.278854247	155° 20'	204° 40'	0.95437556 4	0.264257007
154° 1'	205° 59'	0.94946076 3	0.293473998	154° 41'	205° 19'	0.95197909 9	0.278484416	155° 21'	204° 39'	0.95443624 5	0.263897223
154° 2'	205° 58'	0.94952446 4	0.293094346	154° 42'	205° 18'	0.95204127 5	0.278114837	155° 22'	204° 38'	0.95449688 6	0.263537690
154° 3'	205° 57'	0.94958812 8	0.292714946	154° 43'	205° 17'	0.95210341 2	0.277745509	155° 23'	204° 37'	0.95455749 0	0.263178407
154° 4'	205° 56'	0.94965175 3	0.292335798	154° 44'	205° 16'	0.95216551 2	0.277376432	155° 24'	204° 36'	0.95461805 5	0.262819376
154° 5'	205° 55'	0.94971534 0	0.291956902	154° 45'	205° 15'	0.95222757 3	0.277007607	155° 25'	204° 35'	0.95467858 1	0.262460595
154° 6'	205° 54'	0.94977888 9	0.291578259	154° 46'	205° 14'	0.95228959 6	0.276639033	155° 26'	204° 34'	0.95473906 9	0.262102065
154° 7'	205° 53'	0.94984240 1	0.291199867	154° 47'	205° 13'	0.95235158 0	0.276270711	155° 27'	204° 33'	0.95479951 8	0.261743786
154° 8'	205° 52'	0.94990587 4	0.290821727	154° 48'	205° 12'	0.95241352 6	0.275902640	155° 28'	204° 32'	0.95485992 9	0.261385757
154° 9'	205° 51'	0.94996930 9	0.290443840	154° 49'	205° 11'	0.95247543 4	0.275534820	155° 29'	204° 31'	0.95492030 2	0.261027979
154° 10'	205° 50'	0.95003270 6	0.290066204	154° 50'	205° 10'	0.95253730 4	0.275167252	155° 30'	204° 30'	0.95498063 5	0.260670452
154° 11'	205° 49'	0.95009606 5	0.289688821	154° 51'	205° 9'	0.95259913 5	0.274799935	155° 31'	204° 29'	0.95504093 1	0.260313176
154° 12'	205° 48'	0.95015938 6	0.289311689	154° 52'	205° 8'	0.95266092 8	0.274432869	155° 32'	204° 28'	0.95510118 8	0.259956150
154° 13'	205° 47'	0.95022266 8	0.288934810	154° 53'	205° 7'	0.95272268 3	0.274066055	155° 33'	204° 27'	0.95516140 6	0.259599375
154° 14'	205° 46'	0.95028591 3	0.288558182	154° 54'	205° 6'	0.95278440 0	0.273699492	155° 34'	204° 26'	0.95522158 6	0.259242851
154° 15'	205° 45'	0.95034912 0	0.288181807	154° 55'	205° 5'	0.95284607 8	0.273333181	155° 35'	204° 25'	0.95528172 8	0.258886577
154° 16'	205° 44'	0.95041228 8	0.287805683	154° 56'	205° 4'	0.95290771 7	0.272967120	155° 36'	204° 24'	0.95534183 0	0.258530554
154° 17'	205° 43'	0.95047541 8	0.287429811	154° 57'	205° 3'	0.95296931 9	0.272601311	155° 37'	204° 23'	0.95540189 5	0.258174781
154° 18'	205° 42'	0.95053851 1	0.287054191	154° 58'	205° 2'	0.95303088 2	0.272235753	155° 38'	204° 22'	0.95546192 1	0.257819259
154° 19'	205° 41'	0.95060156 5	0.286678823	154° 59'	205° 1'	0.95309240 7	0.271870446	155° 39'	204° 21'	0.95552190 8	0.257463988
154° 20'	205° 40'	0.95066458 1	0.286303707	155° 0'	205° 0'	0.95315389 4	0.271505391	155° 40'	204° 20'	0.95558185 7	0.257108967
154° 21'	205° 39'	0.95072755 9	0.285928843	155° 1'	204° 59'	0.95321534 2	0.271140586	155° 41'	204° 19'	0.95564176 7	0.256754197
154° 22'	205° 38'	0.95079049 8	0.285554230	155° 2'	204° 58'	0.95327675 1	0.270776033	155° 42'	204° 18'	0.95570163 8	0.256399677
154° 23'	205° 37'	0.95085340 0	0.285179869	155° 3'	204° 57'	0.95333812 3	0.270411731	155° 43'	204° 17'	0.95576147 1	0.256045408
154° 24'	205° 36'	0.95091626 3	0.284805760	155° 4'	204° 56'	0.95339945 6	0.270047680	155° 44'	204° 16'	0.95582126 6	0.255691390
154° 25'	205° 35'	0.95097908 8	0.284431903	155° 5'	204° 55'	0.95346075 1	0.269683881	155° 45'	204° 15'	0.95588102 2	0.255337621
154° 26'	205° 34'	0.95104187 6	0.284058298	155° 6'	204° 54'	0.95352200 7	0.269320332	155° 46'	204° 14'	0.95594073 9	0.254984104
154° 27'	205° 33'	0.95110462 4	0.283684944	155° 7'	204° 53'	0.95358322 5	0.268957034	155° 47'	204° 13'	0.95600041 8	0.254630836
154° 28'	205° 32'	0.95116733 5	0.283311842	155° 8'	204° 52'	0.95364440 5	0.268593988	155° 48'	204° 12'	0.95606005 8	0.254277819
154° 29'	205° 31'	0.95123000 8	0.282938992	155° 9'	204° 51'	0.95370554 6	0.268231192	155° 49'	204° 11'	0.95611966 0	0.253925053
154° 30'	205° 30'	0.95129264 2	0.282566393	155° 10'	204° 50'	0.95376664 9	0.267868648	155° 50'	204° 10'	0.95617922 3	0.253572537
154° 31'	205° 29'	0.95135523 8	0.282194047	155° 11'	204° 49'	0.95382771 3	0.267506355	155° 51'	204° 9'	0.95623874 7	0.253220271
154° 32'	205° 28'	0.95141779 6	0.281821951	155° 12'	204° 48'	0.95388873 9	0.267144312	155° 52'	204° 8'	0.95629823 3	0.252868256
154° 33'	205° 27'	0.95148031 6	0.281450108	155° 13'	204° 47'	0.95394972 7	0.266782521	155° 53'	204° 7'	0.95635768 0	0.252516491
154° 34'	205° 26'	0.95154279 8	0.281078516	155° 14'	204° 46'	0.95401067 6	0.266420980	155° 54'	204° 6'	0.95641708 9	0.252164976
154° 35'	205° 25'	0.95160524 1	0.280707176	155° 15'	204° 45'	0.95407158 7	0.266059691	155° 55'	204° 5'	0.95647645 9	0.251813712
154° 36'	205° 24'	0.95166764 6	0.280336087	155° 16'	204° 44'	0.95413245 9	0.265698652	155° 56'	204° 4'	0.95653579 0	0.251462698
154° 37'	205° 23'	0.95173001 3	0.279965250	155° 17'	204° 43'	0.95419329 3	0.265337865	155° 57'	204° 3'	0.95659508 3	0.251111935
154° 38'	205° 22'	0.95179234 2	0.279594664	155° 18'	204° 42'	0.95425408 9	0.264977328	155° 58'	204° 2'	0.95665433 7	0.250761421
154° 39'	205° 21'	0.95185463 3	0.279224330	155° 19'	204° 41'	0.95431484 6	0.264617042	155° 59'	204° 1'	0.95671355 2	0.250411158

156° 0'	204° 0'	0.95677272 9	0.250061145	156° 40'	203° 20'	0.95910805 3	0.236265656	157° 20'	202° 40'	0.96138122 2	0.222869564
156° 1'	203° 59'	0.95683186 7	0.249711382	156° 41'	203° 19'	0.95916564 1	0.235925890	157° 21'	202° 39'	0.96143725 2	0.222539771
156° 2'	203° 58'	0.95689096 6	0.249361870	156° 42'	203° 18'	0.95922319 1	0.235586373	157° 22'	202° 38'	0.96149324 3	0.222210227
156° 3'	203° 57'	0.95695002 7	0.249012608	156° 43'	203° 17'	0.95928070 1	0.235247107	157° 23'	202° 37'	0.96154919 6	0.221880931
156° 4'	203° 56'	0.95700904 9	0.248663596	156° 44'	203° 16'	0.95933817 2	0.234908089	157° 24'	202° 36'	0.96160510 9	0.221551885
156° 5'	203° 55'	0.95706803 3	0.248314834	156° 45'	203° 15'	0.95939560 5	0.234569322	157° 25'	202° 35'	0.96166098 3	0.221223088
156° 6'	203° 54'	0.95712697 8	0.247966322	156° 46'	203° 14'	0.95945299 9	0.234230804	157° 26'	202° 34'	0.96171681 7	0.220894540
156° 7'	203° 53'	0.95718588 4	0.247618061	156° 47'	203° 13'	0.95951035 4	0.233892535	157° 27'	202° 33'	0.96177261 3	0.220566240
156° 8'	203° 52'	0.95724475 1	0.247270049	156° 48'	203° 12'	0.95956767 0	0.233554516	157° 28'	202° 32'	0.96182837 0	0.220238190
156° 9'	203° 51'	0.95730358 0	0.246922288	156° 49'	203° 11'	0.95962494 7	0.233216747	157° 29'	202° 31'	0.96188408 8	0.219910388
156° 10'	203° 50'	0.95736237 0	0.246574776	156° 50'	203° 10'	0.95968218 5	0.232879227	157° 30'	202° 30'	0.96193976 6	0.219582836
156° 11'	203° 49'	0.95742112 1	0.246227515	156° 51'	203° 9'	0.95973938 4	0.232541956	157° 31'	202° 29'	0.96199540 6	0.219255532
156° 12'	203° 48'	0.95747983 4	0.245880504	156° 52'	203° 8'	0.95979654 5	0.232204935	157° 32'	202° 28'	0.96205100 6	0.218928477
156° 13'	203° 47'	0.95753850 8	0.245533743	156° 53'	203° 7'	0.95985366 6	0.231868163	157° 33'	202° 27'	0.96210656 7	0.218601671
156° 14'	203° 46'	0.95759714 3	0.245187232	156° 54'	203° 6'	0.95991074 9	0.231531641	157° 34'	202° 26'	0.96216209 0	0.218275114
156° 15'	203° 45'	0.95765574 0	0.244840971	156° 55'	203° 5'	0.95996779 2	0.231195368	157° 35'	202° 25'	0.96221757 3	0.217948806
156° 16'	203° 44'	0.95771429 7	0.244494960	156° 56'	203° 4'	0.96002479 7	0.230859345	157° 36'	202° 24'	0.96227301 7	0.217622746
156° 17'	203° 43'	0.95777281 6	0.244149199	156° 57'	203° 3'	0.96008176 3	0.230523571	157° 37'	202° 23'	0.96232842 2	0.217296935
156° 18'	203° 42'	0.95783129 7	0.243803688	156° 58'	203° 2'	0.96013869 0	0.230188046	157° 38'	202° 22'	0.96238378 7	0.216971374
156° 19'	203° 41'	0.95788973 8	0.243458427	156° 59'	203° 1'	0.96019557 8	0.229852771	157° 39'	202° 21'	0.96243911 4	0.216646060
156° 20'	203° 40'	0.95794814 1	0.243113415	157° 0'	203° 0'	0.96025242 7	0.229517745	157° 40'	202° 20'	0.96249440 2	0.216320996
156° 21'	203° 39'	0.95800650 5	0.242768654	157° 1'	202° 59'	0.96030923 7	0.229182968	157° 41'	202° 19'	0.96254965 0	0.215996180
156° 22'	203° 38'	0.95806483 0	0.242424143	157° 2'	202° 58'	0.96036600 8	0.228848441	157° 42'	202° 18'	0.96260485 9	0.215671614
156° 23'	203° 37'	0.95812311 7	0.242079881	157° 3'	202° 57'	0.96042274 0	0.228514163	157° 43'	202° 17'	0.96266002 9	0.215347295
156° 24'	203° 36'	0.95818136 5	0.241735870	157° 4'	202° 56'	0.96047943 3	0.228180134	157° 44'	202° 16'	0.96271516 0	0.215023226
156° 25'	203° 35'	0.95823957 4	0.241392108	157° 5'	202° 55'	0.96053608 8	0.227846355	157° 45'	202° 15'	0.96277025 2	0.214699405
156° 26'	203° 34'	0.95829774 4	0.241048596	157° 6'	202° 54'	0.96059270 3	0.227512824	157° 46'	202° 14'	0.96282530 5	0.214375833
156° 27'	203° 33'	0.95835587 6	0.240705334	157° 7'	202° 53'	0.96064927 9	0.227179543	157° 47'	202° 13'	0.96288031 8	0.214052509
156° 28'	203° 32'	0.95841396 8	0.240362322	157° 8'	202° 52'	0.96070581 6	0.226846512	157° 48'	202° 12'	0.96293529 2	0.213729435
156° 29'	203° 31'	0.95847202 2	0.240019560	157° 9'	202° 51'	0.96076231 5	0.226513729	157° 49'	202° 11'	0.96299022 8	0.213406608
156° 30'	203° 30'	0.95853003 7	0.239677047	157° 10'	202° 50'	0.96081877 4	0.226181196	157° 50'	202° 10'	0.96304512 3	0.213084031
156° 31'	203° 29'	0.95858801 3	0.239334784	157° 11'	202° 49'	0.96087519 4	0.225848911	157° 51'	202° 9'	0.96309998 0	0.212761702
156° 32'	203° 28'	0.95864595 1	0.238992771	157° 12'	202° 48'	0.96093157 6	0.225516876	157° 52'	202° 8'	0.96315479 8	0.212439621
156° 33'	203° 27'	0.95870385 0	0.238651008	157° 13'	202° 47'	0.96098791 8	0.225185090	157° 53'	202° 7'	0.96320957 6	0.212117790
156° 34'	203° 26'	0.95876171 0	0.238309494	157° 14'	202° 46'	0.96104422 1	0.224853554	157° 54'	202° 6'	0.96326431 5	0.211796206
156° 35'	203° 25'	0.95881953 1	0.237968230	157° 15'	202° 45'	0.96110048 6	0.224522266	157° 55'	202° 5'	0.96331901 5	0.211474872
156° 36'	203° 24'	0.95887731 3	0.237627216	157° 16'	202° 44'	0.96115671 1	0.224191227	157° 56'	202° 4'	0.96337367 6	0.211153785
156° 37'	203° 23'	0.95893505 6	0.237286451	157° 17'	202° 43'	0.96121289 7	0.223860438	157° 57'	202° 3'	0.96342829 8	0.210832948
156° 38'	203° 22'	0.95899276 1	0.236945937	157° 18'	202° 42'	0.96126904 5	0.223529898	157° 58'	202° 2'	0.96348288 0	0.210512359
156° 39'	203° 21'	0.95905042 7	0.236605671	157° 19'	202° 41'	0.96132515 3	0.223199606	157° 59'	202° 1'	0.96353742 3	0.210192018



158° 0'	202° 0'	0.96359192	0.209871926	158° 40'	201° 20'	0.96573986	0.197271827	159° 20'	200° 40'	0.96782475	0.185068382
158° 1'	201° 59'	0.96364639	0.209552082	158° 41'	201° 19'	0.96579276	0.196961910	159° 21'	200° 39'	0.96787607	0.184768371
158° 2'	201° 58'	0.96370081	0.209232487	158° 42'	201° 18'	0.96584561	0.196652241	159° 22'	200° 38'	0.96792734	0.184468607
158° 3'	201° 57'	0.96375520	0.208913140	158° 43'	201° 17'	0.96589842	0.196342820	159° 23'	200° 37'	0.96797857	0.184169090
158° 4'	201° 56'	0.96380955	0.208594041	158° 44'	201° 16'	0.96595120	0.196033647	159° 24'	200° 36'	0.96802976	0.183869821
158° 5'	201° 55'	0.96386385	0.208275191	158° 45'	201° 15'	0.96600393	0.195724722	159° 25'	200° 35'	0.96808092	0.183570799
158° 6'	201° 54'	0.96391812	0.207956590	158° 46'	201° 14'	0.96605662	0.195416044	159° 26'	200° 34'	0.96813203	0.183272024
158° 7'	201° 53'	0.96397235	0.207638236	158° 47'	201° 13'	0.96610928	0.195107615	159° 27'	200° 33'	0.96818311	0.182973497
158° 8'	201° 52'	0.96402654	0.207320131	158° 48'	201° 12'	0.96616190	0.194799433	159° 28'	200° 32'	0.96823414	0.182675216
158° 9'	201° 51'	0.96408069	0.207002275	158° 49'	201° 11'	0.96621447	0.194491499	159° 29'	200° 31'	0.96828513	0.182377183
158° 10'	201° 50'	0.96413480	0.206684667	158° 50'	201° 10'	0.96626701	0.194183813	159° 30'	200° 30'	0.96833609	0.182079398
158° 11'	201° 49'	0.96418888	0.206367307	158° 51'	201° 9'	0.96631951	0.193876375	159° 31'	200° 29'	0.96838701	0.181781859
158° 12'	201° 48'	0.96424291	0.206050195	158° 52'	201° 8'	0.96637197	0.193569184	159° 32'	200° 28'	0.96843788	0.181484568
158° 13'	201° 47'	0.96429690	0.205733332	158° 53'	201° 7'	0.96642438	0.193262241	159° 33'	200° 27'	0.96848872	0.181187524
158° 14'	201° 46'	0.96435086	0.205416717	158° 54'	201° 6'	0.96647676	0.192955546	159° 34'	200° 26'	0.96853952	0.180890728
158° 15'	201° 45'	0.96440477	0.205100350	158° 55'	201° 5'	0.96652910	0.192649099	159° 35'	200° 25'	0.96859027	0.180594178
158° 16'	201° 44'	0.96445865	0.204784232	158° 56'	201° 4'	0.96658140	0.192342899	159° 36'	200° 24'	0.96864099	0.180297876
158° 17'	201° 43'	0.96451248	0.204468361	158° 57'	201° 3'	0.96663366	0.192036947	159° 37'	200° 23'	0.96869167	0.180001820
158° 18'	201° 42'	0.96456628	0.204152739	158° 58'	201° 2'	0.96668588	0.191731242	159° 38'	200° 22'	0.96874231	0.179706012
158° 19'	201° 41'	0.96462004	0.203837365	158° 59'	201° 1'	0.96673807	0.191425786	159° 39'	200° 21'	0.96879291	0.179410451
158° 20'	201° 40'	0.96467376	0.203522240	159° 0'	201° 0'	0.96679021	0.191120577	159° 40'	200° 20'	0.96884346	0.179115138
158° 21'	201° 39'	0.96472744	0.203207362	159° 1'	200° 59'	0.96684231	0.190815615	159° 41'	200° 19'	0.96889398	0.178820071
158° 22'	201° 38'	0.96478108	0.202892733	159° 2'	200° 58'	0.96689437	0.190510901	159° 42'	200° 18'	0.96894446	0.178525251
158° 23'	201° 37'	0.96483468	0.202578352	159° 3'	200° 57'	0.96694640	0.190206435	159° 43'	200° 17'	0.96899490	0.178230679
158° 24'	201° 36'	0.96488824	0.202264219	159° 4'	200° 56'	0.96699838	0.189902217	159° 44'	200° 16'	0.96904530	0.177936353
158° 25'	201° 35'	0.96494176	0.201950334	159° 5'	200° 55'	0.96705033	0.189598246	159° 45'	200° 15'	0.96909566	0.177642275
158° 26'	201° 34'	0.96499524	0.201636697	159° 6'	200° 54'	0.96710223	0.189294522	159° 46'	200° 14'	0.96914598	0.177348444
158° 27'	201° 33'	0.96504869	0.201323308	159° 7'	200° 53'	0.96715410	0.188991047	159° 47'	200° 13'	0.96919627	0.177054860
158° 28'	201° 32'	0.96510209	0.201010168	159° 8'	200° 52'	0.96720592	0.188687818	159° 48'	200° 12'	0.96924651	0.176761522
158° 29'	201° 31'	0.96515545	0.200697275	159° 9'	200° 51'	0.96725771	0.188384837	159° 49'	200° 11'	0.96929671	0.176468432
158° 30'	201° 30'	0.96520878	0.200384631	159° 10'	200° 50'	0.96730946	0.188082104	159° 50'	200° 10'	0.96934687	0.176175589
158° 31'	201° 29'	0.96526207	0.200072234	159° 11'	200° 49'	0.96736117	0.187779618	159° 51'	200° 9'	0.96939699	0.175882993
158° 32'	201° 28'	0.96531531	0.199760086	159° 12'	200° 48'	0.96741283	0.187477380	159° 52'	200° 8'	0.96944708	0.175590643
158° 33'	201° 27'	0.96536852	0.199448186	159° 13'	200° 47'	0.96746446	0.187175389	159° 53'	200° 7'	0.96949712	0.175298541
158° 34'	201° 26'	0.96542169	0.199136533	159° 14'	200° 46'	0.96751605	0.186873646	159° 54'	200° 6'	0.96954712	0.175006686
158° 35'	201° 25'	0.96547481	0.198825129	159° 15'	200° 45'	0.96756760	0.186572150	159° 55'	200° 5'	0.96959708	0.174715077
158° 36'	201° 24'	0.96552790	0.198513973	159° 16'	200° 44'	0.96761911	0.186270902	159° 56'	200° 4'	0.96964701	0.174423716
158° 37'	201° 23'	0.96558095	0.198203064	159° 17'	200° 43'	0.96767058	0.185969901	159° 57'	200° 3'	0.96969689	0.174132601
158° 38'	201° 22'	0.96563396	0.197892404	159° 18'	200° 42'	0.96772201	0.185669147	159° 58'	200° 2'	0.96974674	0.173841733
158° 39'	201° 21'	0.96568693	0.197581991	159° 19'	200° 41'	0.96777340	0.185368641	159° 59'	200° 1'	0.96979654	0.173551113

160° 0'	200° 0'	0.96984631	0.173260739	160° 40'	199° 20'	0.97180425	0.161848070	161° 20'	198° 40'	0.97369832	0.150829582
160° 1'	199° 59'	0.96989603	0.172970611	160° 41'	199° 19'	0.97185238	0.161567807	161° 21'	198° 39'	0.97374485	0.150559163
160° 2'	199° 58'	0.96994572	0.172680731	160° 42'	199° 18'	0.97190047	0.161287791	161° 22'	198° 38'	0.97379134	0.150288991
160° 3'	199° 57'	0.96999536	0.172391098	160° 43'	199° 17'	0.97194852	0.161008020	161° 23'	198° 37'	0.97383779	0.150019064
160° 4'	199° 56'	0.97004497	0.172101711	160° 44'	199° 16'	0.97199653	0.160728496	161° 24'	198° 36'	0.97388420	0.149749383
160° 5'	199° 55'	0.97009453	0.171812571	160° 45'	199° 15'	0.97204451	0.160449219	161° 25'	198° 35'	0.97393057	0.149479948
160° 6'	199° 54'	0.97014406	0.171523678	160° 46'	199° 14'	0.97209244	0.160170187	161° 26'	198° 34'	0.97397690	0.149210759
160° 7'	199° 53'	0.97019355	0.171235032	160° 47'	199° 13'	0.97214033	0.159891402	161° 27'	198° 33'	0.97402319	0.148941815
160° 8'	199° 52'	0.97024299	0.170946633	160° 48'	199° 12'	0.97218818	0.159612863	161° 28'	198° 32'	0.97406944	0.148673118
160° 9'	199° 51'	0.97029240	0.170658480	160° 49'	199° 11'	0.97223599	0.159334571	161° 29'	198° 31'	0.97411565	0.148404666
160° 10'	199° 50'	0.97034177	0.170370574	160° 50'	199° 10'	0.97228376	0.159056524	161° 30'	198° 30'	0.97416182	0.148136460
160° 11'	199° 49'	0.97039109	0.170082915	160° 51'	199° 9'	0.97233150	0.158778724	161° 31'	198° 29'	0.97420795	0.147868499
160° 12'	199° 48'	0.97044038	0.169795502	160° 52'	199° 8'	0.97237919	0.158501170	161° 32'	198° 28'	0.97425404	0.147600785
160° 13'	199° 47'	0.97048963	0.169508337	160° 53'	199° 7'	0.97242684	0.158223863	161° 33'	198° 27'	0.97430009	0.147333316
160° 14'	199° 46'	0.97053884	0.169221418	160° 54'	199° 6'	0.97247445	0.157946801	161° 34'	198° 26'	0.97434610	0.147066093
160° 15'	199° 45'	0.97058800	0.168934745	160° 55'	199° 5'	0.97252202	0.157669986	161° 35'	198° 25'	0.97439207	0.146799115
160° 16'	199° 44'	0.97063713	0.168648319	160° 56'	199° 4'	0.97256956	0.157393417	161° 36'	198° 24'	0.97443800	0.146532384
160° 17'	199° 43'	0.97068622	0.168362140	160° 57'	199° 3'	0.97261705	0.157117094	161° 37'	198° 23'	0.97448389	0.146265898
160° 18'	199° 42'	0.97073527	0.168076208	160° 58'	199° 2'	0.97266450	0.156841017	161° 38'	198° 22'	0.97452974	0.145999658
160° 19'	199° 41'	0.97078428	0.167790522	160° 59'	199° 1'	0.97271191	0.156565187	161° 39'	198° 21'	0.97457555	0.145733663
160° 20'	199° 40'	0.97083325	0.167505083	161° 0'	199° 0'	0.97275928	0.156289602	161° 40'	198° 20'	0.97462132	0.145467914
160° 21'	199° 39'	0.97088217	0.167219890	161° 1'	198° 59'	0.97280662	0.156014264	161° 41'	198° 19'	0.97466705	0.145202411
160° 22'	199° 38'	0.97093106	0.166934944	161° 2'	198° 58'	0.97285391	0.155739172	161° 42'	198° 18'	0.97471273	0.144937153
160° 23'	199° 37'	0.97097991	0.166650245	161° 3'	198° 57'	0.97290116	0.155464325	161° 43'	198° 17'	0.97475838	0.144672141
160° 24'	199° 36'	0.97102872	0.166365792	161° 4'	198° 56'	0.97294837	0.155189725	161° 44'	198° 16'	0.97480399	0.144407375
160° 25'	199° 35'	0.97107749	0.166081586	161° 5'	198° 55'	0.97299554	0.154915371	161° 45'	198° 15'	0.97484956	0.144142854
160° 26'	199° 34'	0.97112622	0.165797626	161° 6'	198° 54'	0.97304267	0.154641263	161° 46'	198° 14'	0.97489509	0.143878579
160° 27'	199° 33'	0.97117491	0.165513913	161° 7'	198° 53'	0.97308977	0.154367401	161° 47'	198° 13'	0.97494057	0.143614549
160° 28'	199° 32'	0.97122356	0.165230446	161° 8'	198° 52'	0.97313682	0.154093786	161° 48'	198° 12'	0.97498602	0.143350765
160° 29'	199° 31'	0.97127217	0.164947226	161° 9'	198° 51'	0.97318383	0.153820416	161° 49'	198° 11'	0.97503143	0.143087226
160° 30'	199° 30'	0.97132074	0.164664252	161° 10'	198° 50'	0.97323080	0.153547292	161° 50'	198° 10'	0.97507680	0.142823933
160° 31'	199° 29'	0.97136927	0.164381525	161° 11'	198° 49'	0.97327773	0.153274414	161° 51'	198° 9'	0.97512212	0.142560886
160° 32'	199° 28'	0.97141776	0.164099045	161° 12'	198° 48'	0.97332463	0.153001782	161° 52'	198° 8'	0.97516741	0.142298084
160° 33'	199° 27'	0.97146621	0.163816810	161° 13'	198° 47'	0.97337148	0.152729396	161° 53'	198° 7'	0.97521266	0.142035527
160° 34'	199° 26'	0.97151462	0.163534822	161° 14'	198° 46'	0.97341829	0.152457257	161° 54'	198° 6'	0.97525786	0.141773217
160° 35'	199° 25'	0.97156299	0.163253081	161° 15'	198° 45'	0.97346506	0.152185363	161° 55'	198° 5'	0.97530303	0.141511151
160° 36'	199° 24'	0.97161132	0.162971586	161° 16'	198° 44'	0.97351179	0.151913715	161° 56'	198° 4'	0.97534815	0.141249331
160° 37'	199° 23'	0.97165962	0.162690338	161° 17'	198° 43'	0.97355848	0.151642312	161° 57'	198° 3'	0.97539324	0.140987757
160° 38'	199° 22'	0.97170787	0.162409335	161° 18'	198° 42'	0.97360513	0.151371156	161° 58'	198° 2'	0.97543828	0.140726428
160° 39'	199° 21'	0.97175608	0.162128580	161° 19'	198° 41'	0.97365175	0.151100246	161° 59'	198° 1'	0.97548329	0.140465344

162° 0'	198° 0'	0.97552825	0.140204506	162° 40'	197° 20'	0.97729381	0.129972105	163° 20'	196° 40'	0.97899475	0.120131670
162° 1'	197° 59'	0.97557318	0.139943913	162° 41'	197° 19'	0.97733712	0.129721320	163° 21'	196° 39'	0.97903645	0.119890675
162° 2'	197° 58'	0.97561806	0.139683566	162° 42'	197° 18'	0.97738040	0.129470780	163° 22'	196° 38'	0.97907810	0.119649925
162° 3'	197° 57'	0.97566291	0.139423464	162° 43'	197° 17'	0.97742363	0.129220485	163° 23'	196° 37'	0.97911971	0.119409419
162° 4'	197° 56'	0.97570771	0.139163607	162° 44'	197° 16'	0.97746682	0.128970435	163° 24'	196° 36'	0.97916128	0.119169158
162° 5'	197° 55'	0.97575247	0.138903996	162° 45'	197° 15'	0.97750997	0.128720629	163° 25'	196° 35'	0.97920281	0.118929141
162° 6'	197° 54'	0.97579720	0.138644630	162° 46'	197° 14'	0.97755308	0.128471069	163° 26'	196° 34'	0.97924431	0.118689369
162° 7'	197° 53'	0.97584188	0.138385510	162° 47'	197° 13'	0.97759615	0.128221754	163° 27'	196° 33'	0.97928576	0.118449841
162° 8'	197° 52'	0.97588652	0.138126635	162° 48'	197° 12'	0.97763918	0.127972683	163° 28'	196° 32'	0.97932717	0.118210558
162° 9'	197° 51'	0.97593113	0.137868005	162° 49'	197° 11'	0.97768217	0.127723857	163° 29'	196° 31'	0.97936853	0.117971519
162° 10'	197° 50'	0.97597569	0.137609621	162° 50'	197° 10'	0.97772511	0.127475277	163° 30'	196° 30'	0.97940986	0.117732725
162° 11'	197° 49'	0.97602021	0.137351482	162° 51'	197° 9'	0.97776802	0.127226941	163° 31'	196° 29'	0.97945115	0.117494175
162° 12'	197° 48'	0.97606469	0.137093588	162° 52'	197° 8'	0.97781089	0.126978850	163° 32'	196° 28'	0.97949240	0.117255870
162° 13'	197° 47'	0.97610913	0.136835939	162° 53'	197° 7'	0.97785372	0.126731003	163° 33'	196° 27'	0.97953361	0.117017809
162° 14'	197° 46'	0.97615353	0.136578536	162° 54'	197° 6'	0.97789650	0.126483402	163° 34'	196° 26'	0.97957477	0.116779992
162° 15'	197° 45'	0.97619790	0.136321378	162° 55'	197° 5'	0.97793925	0.126236046	163° 35'	196° 25'	0.97961590	0.116542420
162° 16'	197° 44'	0.97624222	0.136064465	162° 56'	197° 4'	0.97798195	0.125988934	163° 36'	196° 24'	0.97965698	0.116305092
162° 17'	197° 43'	0.97628650	0.135807797	162° 57'	197° 3'	0.97802462	0.125742067	163° 37'	196° 23'	0.97969803	0.116068009
162° 18'	197° 42'	0.97633074	0.135551375	162° 58'	197° 2'	0.97806725	0.125495445	163° 38'	196° 22'	0.97973903	0.115831170
162° 19'	197° 41'	0.97637494	0.135295198	162° 59'	197° 1'	0.97810983	0.125249068	163° 39'	196° 21'	0.97977999	0.115594575
162° 20'	197° 40'	0.97641910	0.135039266	163° 0'	197° 0'	0.97815237	0.125002935	163° 40'	196° 20'	0.97982092	0.115358225
162° 21'	197° 39'	0.97646321	0.134783579	163° 1'	196° 59'	0.97819488	0.124757047	163° 41'	196° 19'	0.97986180	0.115122119
162° 22'	197° 38'	0.97650729	0.134528138	163° 2'	196° 58'	0.97823734	0.124511404	163° 42'	196° 18'	0.97990264	0.114886258
162° 23'	197° 37'	0.97655133	0.134272942	163° 3'	196° 57'	0.97827976	0.124266006	163° 43'	196° 17'	0.97994344	0.114650640
162° 24'	197° 36'	0.97659533	0.134017990	163° 4'	196° 56'	0.97832214	0.124020852	163° 44'	196° 16'	0.97998420	0.114415267
162° 25'	197° 35'	0.97663929	0.133763284	163° 5'	196° 55'	0.97836449	0.123775943	163° 45'	196° 15'	0.98002492	0.114180139
162° 26'	197° 34'	0.97668320	0.133508824	163° 6'	196° 54'	0.97840679	0.123531279	163° 46'	196° 14'	0.98006560	0.113945254
162° 27'	197° 33'	0.97672708	0.133254608	163° 7'	196° 53'	0.97844905	0.123286860	163° 47'	196° 13'	0.98010624	0.113710614
162° 28'	197° 32'	0.97677092	0.133000637	163° 8'	196° 52'	0.97849127	0.123042685	163° 48'	196° 12'	0.98014684	0.113476219
162° 29'	197° 31'	0.97681471	0.132746912	163° 9'	196° 51'	0.97853345	0.122798755	163° 49'	196° 11'	0.98018740	0.113242067
162° 30'	197° 30'	0.97685847	0.132493431	163° 10'	196° 50'	0.97857559	0.122555070	163° 50'	196° 10'	0.98022791	0.113008160
162° 31'	197° 29'	0.97690219	0.132240196	163° 11'	196° 49'	0.97861769	0.122311629	163° 51'	196° 9'	0.98026839	0.112774497
162° 32'	197° 28'	0.97694586	0.131987206	163° 12'	196° 48'	0.97865974	0.122068433	163° 52'	196° 8'	0.98030882	0.112541078
162° 33'	197° 27'	0.97698950	0.131734461	163° 13'	196° 47'	0.97870176	0.121825481	163° 53'	196° 7'	0.98034922	0.112307903
162° 34'	197° 26'	0.97703309	0.131481960	163° 14'	196° 46'	0.97874374	0.121582774	163° 54'	196° 6'	0.98038957	0.112074973
162° 35'	197° 25'	0.97707665	0.131229705	163° 15'	196° 45'	0.97878568	0.121340312	163° 55'	196° 5'	0.98042989	0.111842287
162° 36'	197° 24'	0.97712016	0.130977695	163° 16'	196° 44'	0.97882757	0.121098094	163° 56'	196° 4'	0.98047016	0.111609845
162° 37'	197° 23'	0.97716363	0.130725930	163° 17'	196° 43'	0.97886943	0.120856121	163° 57'	196° 3'	0.98051039	0.111377647
162° 38'	197° 22'	0.97720707	0.130474410	163° 18'	196° 42'	0.97891124	0.120614393	163° 58'	196° 2'	0.98055058	0.111145694
162° 39'	197° 21'	0.97725046	0.130223135	163° 19'	196° 41'	0.97895302	0.120372909	163° 59'	196° 1'	0.98059073	0.110913984

164° 0'	196° 0'	0.98063084	0.110682519	164° 40'	195° 20'	0.98220187	0.101623999	165° 20'	194° 40'	0.98370761	0.092955487
164° 1'	195° 59'	0.98067091	0.110451298	164° 41'	195° 19'	0.98224031	0.101402536	165° 21'	194° 39'	0.98374441	0.092743766
164° 2'	195° 58'	0.98071094	0.110220321	164° 42'	195° 18'	0.98227870	0.101181316	165° 22'	194° 38'	0.98378117	0.092532288
164° 3'	195° 57'	0.98075093	0.109989588	164° 43'	195° 17'	0.98231706	0.100960340	165° 23'	194° 37'	0.98381790	0.092321054
164° 4'	195° 56'	0.98079088	0.109759099	164° 44'	195° 16'	0.98235538	0.100739608	165° 24'	194° 36'	0.98385458	0.092110063
164° 5'	195° 55'	0.98083078	0.109528854	164° 45'	195° 15'	0.98239366	0.100519119	165° 25'	194° 35'	0.98389122	0.091899315
164° 6'	195° 54'	0.98087065	0.109298854	164° 46'	195° 14'	0.98243189	0.100298875	165° 26'	194° 34'	0.98392782	0.091688811
164° 7'	195° 53'	0.98091048	0.109069097	164° 47'	195° 13'	0.98247009	0.100078873	165° 27'	194° 33'	0.98396438	0.091478550
164° 8'	195° 52'	0.98095026	0.108839585	164° 48'	195° 12'	0.98250824	0.099859116	165° 28'	194° 32'	0.98400090	0.091268532
164° 9'	195° 51'	0.98099000	0.108610316	164° 49'	195° 11'	0.98254636	0.099639602	165° 29'	194° 31'	0.98403738	0.091058758
164° 10'	195° 50'	0.98102971	0.108381292	164° 50'	195° 10'	0.98258443	0.099420332	165° 30'	194° 30'	0.98407382	0.090849227
164° 11'	195° 49'	0.98106937	0.108152512	164° 51'	195° 9'	0.98262246	0.099201306	165° 31'	194° 29'	0.98411021	0.090639939
164° 12'	195° 48'	0.98110899	0.107923976	164° 52'	195° 8'	0.98266045	0.098982523	165° 32'	194° 28'	0.98414657	0.090430895
164° 13'	195° 47'	0.98114857	0.107695683	164° 53'	195° 7'	0.98269840	0.098763983	165° 33'	194° 27'	0.98418288	0.090222093
164° 14'	195° 46'	0.98118811	0.107467635	164° 54'	195° 6'	0.98273631	0.098545688	165° 34'	194° 26'	0.98421915	0.090013535
164° 15'	195° 45'	0.98122761	0.107239831	164° 55'	195° 5'	0.98277418	0.098327636	165° 35'	194° 25'	0.98425539	0.089805221
164° 16'	195° 44'	0.98126707	0.107012271	164° 56'	195° 4'	0.98281201	0.098109828	165° 36'	194° 24'	0.98429158	0.089597149
164° 17'	195° 43'	0.98130649	0.106784955	164° 57'	195° 3'	0.98284979	0.097892263	165° 37'	194° 23'	0.98432773	0.089389321
164° 18'	195° 42'	0.98134587	0.106557882	164° 58'	195° 2'	0.98288754	0.097674942	165° 38'	194° 22'	0.98436384	0.089181736
164° 19'	195° 41'	0.98138521	0.106331054	164° 59'	195° 1'	0.98292524	0.097457864	165° 39'	194° 21'	0.98439990	0.088974394
164° 20'	195° 40'	0.98142450	0.106104470	165° 0'	195° 0'	0.98296291	0.097241030	165° 40'	194° 20'	0.98443593	0.088767296
164° 21'	195° 39'	0.98146376	0.105878130	165° 1'	194° 59'	0.98300053	0.097024440	165° 41'	194° 19'	0.98447192	0.088560440
164° 22'	195° 38'	0.98150297	0.105652033	165° 2'	194° 58'	0.98303811	0.096808093	165° 42'	194° 18'	0.98450786	0.088353828
164° 23'	195° 37'	0.98154215	0.105426181	165° 3'	194° 57'	0.98307566	0.096591990	165° 43'	194° 17'	0.98454377	0.088147459
164° 24'	195° 36'	0.98158128	0.105200572	165° 4'	194° 56'	0.98311316	0.096376130	165° 44'	194° 16'	0.98457963	0.087941333
164° 25'	195° 35'	0.98162037	0.104975207	165° 5'	194° 55'	0.98315062	0.096160514	165° 45'	194° 15'	0.98461545	0.087735451
164° 26'	195° 34'	0.98165942	0.104750087	165° 6'	194° 54'	0.98318804	0.095945141	165° 46'	194° 14'	0.98465123	0.087529811
164° 27'	195° 33'	0.98169843	0.104525210	165° 7'	194° 53'	0.98322541	0.095730012	165° 47'	194° 13'	0.98468697	0.087324415
164° 28'	195° 32'	0.98173740	0.104300577	165° 8'	194° 52'	0.98326275	0.095515126	165° 48'	194° 12'	0.98472267	0.087119261
164° 29'	195° 31'	0.98177633	0.104076188	165° 9'	194° 51'	0.98330005	0.095300484	165° 49'	194° 11'	0.98475833	0.086914351
164° 30'	195° 30'	0.98181522	0.103852042	165° 10'	194° 50'	0.98333730	0.095086085	165° 50'	194° 10'	0.98479395	0.086709684
164° 31'	195° 29'	0.98185407	0.103628141	165° 11'	194° 49'	0.98337452	0.094871930	165° 51'	194° 9'	0.98482952	0.086505260
164° 32'	195° 28'	0.98189288	0.103404483	165° 12'	194° 48'	0.98341169	0.094658018	165° 52'	194° 8'	0.98486506	0.086301080
164° 33'	195° 27'	0.98193164	0.103181069	165° 13'	194° 47'	0.98344882	0.094444350	165° 53'	194° 7'	0.98490055	0.086097142
164° 34'	195° 26'	0.98197037	0.102957899	165° 14'	194° 46'	0.98348591	0.094230925	165° 54'	194° 6'	0.98493600	0.085893447
164° 35'	195° 25'	0.98200905	0.102734973	165° 15'	194° 45'	0.98352296	0.094017743	165° 55'	194° 5'	0.98497141	0.085689996
164° 36'	195° 24'	0.98204770	0.102512291	165° 16'	194° 44'	0.98355997	0.093804805	165° 56'	194° 4'	0.98500679	0.085486787
164° 37'	195° 23'	0.98208630	0.102289852	165° 17'	194° 43'	0.98359694	0.093592110	165° 57'	194° 3'	0.98504212	0.085283822
164° 38'	195° 22'	0.98212486	0.102067658	165° 18'	194° 42'	0.98363387	0.093379659	165° 58'	194° 2'	0.98507740	0.085081100
164° 39'	195° 21'	0.98216338	0.101845707	165° 19'	194° 41'	0.98367076	0.093167451	165° 59'	194° 1'	0.98511265	0.084878620

166° 0'	194° 0'	0.98514786	0.084676384	166° 40'	193° 20'	0.98652243	0.076786122	167° 20'	192° 40'	0.98783114	0.069284158
166° 1'	193° 59'	0.98518302	0.084474391	166° 41'	193° 19'	0.98655595	0.076593843	167° 21'	192° 39'	0.98786301	0.069101580
166° 2'	193° 58'	0.98521815	0.084272641	166° 42'	193° 18'	0.98658943	0.076401806	167° 22'	192° 38'	0.98789484	0.068919244
166° 3'	193° 57'	0.98525323	0.084071134	166° 43'	193° 17'	0.98662287	0.076210012	167° 23'	192° 37'	0.98792663	0.068737150
166° 4'	193° 56'	0.98528827	0.083869869	166° 44'	193° 16'	0.98665627	0.076018461	167° 24'	192° 36'	0.98795838	0.068555298
166° 5'	193° 55'	0.98532328	0.083668848	166° 45'	193° 15'	0.98668962	0.075827152	167° 25'	192° 35'	0.98799008	0.068373689
166° 6'	193° 54'	0.98535824	0.083468070	166° 46'	193° 14'	0.98672294	0.075636086	167° 26'	192° 34'	0.98802175	0.068192323
166° 7'	193° 53'	0.98539316	0.083267535	166° 47'	193° 13'	0.98675621	0.075445263	167° 27'	192° 33'	0.98805337	0.068011198
166° 8'	193° 52'	0.98542803	0.083067242	166° 48'	193° 12'	0.98678945	0.075254682	167° 28'	192° 32'	0.98808496	0.067830316
166° 9'	193° 51'	0.98546287	0.082867193	166° 49'	193° 11'	0.98682264	0.075064344	167° 29'	192° 31'	0.98811650	0.067649676
166° 10'	193° 50'	0.98549767	0.082667386	166° 50'	193° 10'	0.98685579	0.074874249	167° 30'	192° 30'	0.98814800	0.067469278
166° 11'	193° 49'	0.98553242	0.082467823	166° 51'	193° 9'	0.98688890	0.074684396	167° 31'	192° 29'	0.98817946	0.067289123
166° 12'	193° 48'	0.98556714	0.082268502	166° 52'	193° 8'	0.98692197	0.074494786	167° 32'	192° 28'	0.98821088	0.067109210
166° 13'	193° 47'	0.98560181	0.082069425	166° 53'	193° 7'	0.98695499	0.074305418	167° 33'	192° 27'	0.98824225	0.066929539
166° 14'	193° 46'	0.98563644	0.081870590	166° 54'	193° 6'	0.98698798	0.074116293	167° 34'	192° 26'	0.98827359	0.066750111
166° 15'	193° 45'	0.98567103	0.081671998	166° 55'	193° 5'	0.98702092	0.073927410	167° 35'	192° 25'	0.98830488	0.066570925
166° 16'	193° 44'	0.98570558	0.081473649	166° 56'	193° 4'	0.98705383	0.073737870	167° 36'	192° 24'	0.98833613	0.066391981
166° 17'	193° 43'	0.98574009	0.081275543	166° 57'	193° 3'	0.98708669	0.073550373	167° 37'	192° 23'	0.98836735	0.066213279
166° 18'	193° 42'	0.98577456	0.081077680	166° 58'	193° 2'	0.98711951	0.073362218	167° 38'	192° 22'	0.98839852	0.066034819
166° 19'	193° 41'	0.98580898	0.080880060	166° 59'	193° 1'	0.98715229	0.073174305	167° 39'	192° 21'	0.98842964	0.065856602
166° 20'	193° 40'	0.98584337	0.080682683	167° 0'	193° 0'	0.98718503	0.072986636	167° 40'	192° 20'	0.98846073	0.065678627
166° 21'	193° 39'	0.98587771	0.080485548	167° 1'	192° 59'	0.98721773	0.072799208	167° 41'	192° 19'	0.98849178	0.065500894
166° 22'	193° 38'	0.98591201	0.080288656	167° 2'	192° 58'	0.98725038	0.072612024	167° 42'	192° 18'	0.98852278	0.065323403
166° 23'	193° 37'	0.98594628	0.080092007	167° 3'	192° 57'	0.98728300	0.072425081	167° 43'	192° 17'	0.98855375	0.065146155
166° 24'	193° 36'	0.98598050	0.079895601	167° 4'	192° 56'	0.98731557	0.072238382	167° 44'	192° 16'	0.98858467	0.064969149
166° 25'	193° 35'	0.98601468	0.079699438	167° 5'	192° 55'	0.98734810	0.072051924	167° 45'	192° 15'	0.98861555	0.064792384
166° 26'	193° 34'	0.98604881	0.079503518	167° 6'	192° 54'	0.98738059	0.071865709	167° 46'	192° 14'	0.98864639	0.064615863
166° 27'	193° 33'	0.98608291	0.079307840	167° 7'	192° 53'	0.98741304	0.071679737	167° 47'	192° 13'	0.98867719	0.064439583
166° 28'	193° 32'	0.98611697	0.079112405	167° 8'	192° 52'	0.98744545	0.071494007	167° 48'	192° 12'	0.98870794	0.064263545
166° 29'	193° 31'	0.98615098	0.078917213	167° 9'	192° 51'	0.98747782	0.071308520	167° 49'	192° 11'	0.98873866	0.064087750
166° 30'	193° 30'	0.98618496	0.078722264	167° 10'	192° 50'	0.98751014	0.071123275	167° 50'	192° 10'	0.98876933	0.063912196
166° 31'	193° 29'	0.98621889	0.078527557	167° 11'	192° 49'	0.98754243	0.070938272	167° 51'	192° 9'	0.98879996	0.063736885
166° 32'	193° 28'	0.98625278	0.078333094	167° 12'	192° 48'	0.98757467	0.070753512	167° 52'	192° 8'	0.98883056	0.063561816
166° 33'	193° 27'	0.98628663	0.078138873	167° 13'	192° 47'	0.98760687	0.070568995	167° 53'	192° 7'	0.98886111	0.063386989
166° 34'	193° 26'	0.98632044	0.077944894	167° 14'	192° 46'	0.98763904	0.070384719	167° 54'	192° 6'	0.98889161	0.063212404
166° 35'	193° 25'	0.98635421	0.077751159	167° 15'	192° 45'	0.98767116	0.070200687	167° 55'	192° 5'	0.98892208	0.063038062
166° 36'	193° 24'	0.98638793	0.077557666	167° 16'	192° 44'	0.98770323	0.070016896	167° 56'	192° 4'	0.98895251	0.062863961
166° 37'	193° 23'	0.98642162	0.077364416	167° 17'	192° 43'	0.98773527	0.069833348	167° 57'	192° 3'	0.98898289	0.062690102
166° 38'	193° 22'	0.98645527	0.0771711409	167° 18'	192° 42'	0.98776727	0.069650043	167° 58'	192° 2'	0.98901323	0.062516486
166° 39'	193° 21'	0.98648887	0.076978644	167° 19'	192° 41'	0.98779922	0.069466979	167° 59'	192° 1'	0.98904354	0.062343112

168° 0'	192° 0'	0.98907380	0.062169979	168° 40'	191° 20'	0.99025024	0.055443097	169° 20'	190° 40'	0.99136032	0.049103052
168° 1'	191° 59'	0.98910401	0.061997089	168° 41'	191° 19'	0.99027880	0.055279883	169° 21'	190° 39'	0.99138722	0.048949503
168° 2'	191° 58'	0.98913419	0.061824441	168° 42'	191° 18'	0.99030732	0.055116911	169° 22'	190° 38'	0.99141408	0.048796196
168° 3'	191° 57'	0.98916433	0.061652035	168° 43'	191° 17'	0.99033580	0.054954181	169° 23'	190° 37'	0.99144089	0.048643130
168° 4'	191° 56'	0.98919442	0.061479870	168° 44'	191° 16'	0.99036424	0.054791692	169° 24'	190° 36'	0.99146767	0.048490306
168° 5'	191° 55'	0.98922448	0.061307948	168° 45'	191° 15'	0.99039264	0.054629445	169° 25'	190° 35'	0.99149440	0.048337724
168° 6'	191° 54'	0.98925449	0.061136268	168° 46'	191° 14'	0.99042099	0.054467440	169° 26'	190° 34'	0.99152110	0.048185382
168° 7'	191° 53'	0.98928446	0.060964830	168° 47'	191° 13'	0.99044930	0.054305677	169° 27'	190° 33'	0.99154775	0.048033283
168° 8'	191° 52'	0.98931439	0.060793634	168° 48'	191° 12'	0.99047757	0.054144155	169° 28'	190° 32'	0.99157436	0.047881424
168° 9'	191° 51'	0.98934428	0.060622680	168° 49'	191° 11'	0.99050580	0.053982875	169° 29'	190° 31'	0.99160092	0.047729808
168° 10'	191° 50'	0.98937412	0.060451968	168° 50'	191° 10'	0.99053399	0.053821837	169° 30'	190° 30'	0.99162745	0.047578432
168° 11'	191° 49'	0.98940393	0.060281498	168° 51'	191° 9'	0.99056214	0.053661041	169° 31'	190° 29'	0.99165393	0.047427298
168° 12'	191° 48'	0.98943369	0.060111270	168° 52'	191° 8'	0.99059024	0.053500486	169° 32'	190° 28'	0.99168038	0.047276406
168° 13'	191° 47'	0.98946341	0.059941284	168° 53'	191° 7'	0.99061831	0.053340173	169° 33'	190° 27'	0.99170678	0.047125755
168° 14'	191° 46'	0.98949309	0.059771539	168° 54'	191° 6'	0.99064633	0.053180101	169° 34'	190° 26'	0.99173314	0.046975345
168° 15'	191° 45'	0.98952273	0.059602037	168° 55'	191° 5'	0.99067431	0.053020271	169° 35'	190° 25'	0.99175945	0.046825177
168° 16'	191° 44'	0.98955233	0.059432777	168° 56'	191° 4'	0.99070225	0.052860683	169° 36'	190° 24'	0.99178573	0.046675250
168° 17'	191° 43'	0.98958189	0.059263759	168° 57'	191° 3'	0.99073014	0.052701337	169° 37'	190° 23'	0.99181197	0.046525564
168° 18'	191° 42'	0.98961140	0.059094982	168° 58'	191° 2'	0.99075800	0.052542232	169° 38'	190° 22'	0.99183816	0.046376120
168° 19'	191° 41'	0.98964087	0.058926448	168° 59'	191° 1'	0.99078581	0.052383369	169° 39'	190° 21'	0.99186431	0.046226918
168° 20'	191° 40'	0.98967031	0.058758155	169° 0'	191° 0'	0.99081359	0.052224747	169° 40'	190° 20'	0.99189042	0.046077956
168° 21'	191° 39'	0.98969970	0.058590105	169° 1'	190° 59'	0.99084132	0.052066368	169° 41'	190° 19'	0.99191649	0.045929236
168° 22'	191° 38'	0.98972905	0.058422296	169° 2'	190° 58'	0.99086901	0.051908229	169° 42'	190° 18'	0.99194251	0.045780758
168° 23'	191° 37'	0.98975835	0.058254729	169° 3'	190° 57'	0.99089666	0.051750333	169° 43'	190° 17'	0.99196850	0.045632521
168° 24'	191° 36'	0.98978762	0.058087404	169° 4'	190° 56'	0.99092426	0.051592678	169° 44'	190° 16'	0.99199444	0.045484525
168° 25'	191° 35'	0.98981685	0.057920321	169° 5'	190° 55'	0.99095183	0.051435264	169° 45'	190° 15'	0.99202034	0.045336770
168° 26'	191° 34'	0.98984603	0.057753480	169° 6'	190° 54'	0.99097935	0.051278092	169° 46'	190° 14'	0.99204620	0.045189257
168° 27'	191° 33'	0.98987517	0.057586881	169° 7'	190° 53'	0.99100683	0.051121162	169° 47'	190° 13'	0.99207202	0.045041985
168° 28'	191° 32'	0.98990427	0.057420523	169° 8'	190° 52'	0.99103427	0.050964474	169° 48'	190° 12'	0.99209780	0.044894955
168° 29'	191° 31'	0.98993333	0.057254408	169° 9'	190° 51'	0.99106167	0.050808027	169° 49'	190° 11'	0.99212353	0.044748166
168° 30'	191° 30'	0.98996235	0.057088534	169° 10'	190° 50'	0.99108903	0.050651821	169° 50'	190° 10'	0.99214923	0.044601618
168° 31'	191° 29'	0.98999132	0.056922902	169° 11'	190° 49'	0.99111635	0.050495857	169° 51'	190° 9'	0.99217488	0.044455311
168° 32'	191° 28'	0.99002026	0.056757512	169° 12'	190° 48'	0.99114362	0.050340135	169° 52'	190° 8'	0.99220049	0.044309246
168° 33'	191° 27'	0.99004915	0.056592364	169° 13'	190° 47'	0.99117085	0.050184654	169° 53'	190° 7'	0.99222606	0.044163422
168° 34'	191° 26'	0.99007800	0.056427457	169° 14'	190° 46'	0.99119804	0.050029415	169° 54'	190° 6'	0.99225159	0.044017839
168° 35'	191° 25'	0.99010681	0.056262793	169° 15'	190° 45'	0.99122519	0.049874417	169° 55'	190° 5'	0.99227707	0.043872498
168° 36'	191° 24'	0.99013558	0.056098370	169° 16'	190° 44'	0.99125230	0.049719661	169° 56'	190° 4'	0.99230251	0.043727398
168° 37'	191° 23'	0.99016431	0.055934189	169° 17'	190° 43'	0.99127937	0.049565146	169° 57'	190° 3'	0.99232792	0.043582539
168° 38'	191° 22'	0.99019300	0.055770250	169° 18'	190° 42'	0.99130639	0.049410873	169° 58'	190° 2'	0.99235328	0.043437921
168° 39'	191° 21'	0.99022164	0.055606553	169° 19'	190° 41'	0.99133338	0.049256842	169° 59'	190° 1'	0.99237860	0.043293545

170° 0'	190° 0'	0.99240387	0.043149410	170° 40'	189° 20'	0.99338076	0.037581766	171° 20'	188° 40'	0.99429086	0.032399740
170° 1'	189° 59'	0.99242911	0.043005516	170° 41'	189° 19'	0.99340433	0.037447517	171° 21'	188° 39'	0.99431275	0.032275127
170° 2'	189° 58'	0.99245430	0.042861864	170° 42'	189° 18'	0.99342785	0.037313509	171° 22'	188° 38'	0.99433460	0.032150754
170° 3'	189° 57'	0.99247945	0.042718452	170° 43'	189° 17'	0.99345134	0.037179742	171° 23'	188° 37'	0.99435642	0.032026623
170° 4'	189° 56'	0.99250456	0.042575282	170° 44'	189° 16'	0.99347478	0.037046216	171° 24'	188° 36'	0.99437819	0.031902732
170° 5'	189° 55'	0.99252963	0.042432353	170° 45'	189° 15'	0.99349818	0.036912932	171° 25'	188° 35'	0.99439991	0.031779082
170° 6'	189° 54'	0.99255466	0.042289666	170° 46'	189° 14'	0.99352154	0.036779888	171° 26'	188° 34'	0.99442160	0.031655673
170° 7'	189° 53'	0.99257964	0.042147219	170° 47'	189° 13'	0.99354485	0.036647085	171° 27'	188° 33'	0.99444324	0.031532505
170° 8'	189° 52'	0.99260459	0.042005014	170° 48'	189° 12'	0.99356813	0.036514523	171° 28'	188° 32'	0.99446485	0.031409577
170° 9'	189° 51'	0.99262949	0.041863050	170° 49'	189° 11'	0.99359136	0.036382202	171° 29'	188° 31'	0.99448641	0.031286890
170° 10'	189° 50'	0.99265435	0.041721327	170° 50'	189° 10'	0.99361455	0.036250122	171° 30'	188° 30'	0.99450793	0.031164444
170° 11'	189° 49'	0.99267917	0.041579845	170° 51'	189° 9'	0.99363770	0.036118283	171° 31'	188° 29'	0.99452940	0.031042238
170° 12'	189° 48'	0.99270394	0.041438605	170° 52'	189° 8'	0.99366081	0.035986685	171° 32'	188° 28'	0.99455084	0.030920274
170° 13'	189° 47'	0.99272868	0.041297606	170° 53'	189° 7'	0.99368387	0.035855328	171° 33'	188° 27'	0.99457223	0.030798550
170° 14'	189° 46'	0.99275337	0.041156847	170° 54'	189° 6'	0.99370690	0.035724211	171° 34'	188° 26'	0.99459358	0.030677066
170° 15'	189° 45'	0.99277803	0.041016330	170° 55'	189° 5'	0.99372988	0.035593336	171° 35'	188° 25'	0.99461489	0.030555824
170° 16'	189° 44'	0.99280264	0.040876055	170° 56'	189° 4'	0.99375282	0.035462702	171° 36'	188° 24'	0.99463616	0.030434822
170° 17'	189° 43'	0.99282720	0.040736020	170° 57'	189° 3'	0.99377572	0.035332308	171° 37'	188° 23'	0.99465739	0.030314061
170° 18'	189° 42'	0.99285173	0.040596226	170° 58'	189° 2'	0.99379858	0.035202156	171° 38'	188° 22'	0.99467857	0.030193540
170° 19'	189° 41'	0.99287621	0.040456674	170° 59'	189° 1'	0.99382139	0.035072244	171° 39'	188° 21'	0.99469971	0.030073261
170° 20'	189° 40'	0.99290066	0.040317363	171° 0'	189° 0'	0.99384417	0.034942573	171° 40'	188° 20'	0.99472081	0.029953222
170° 21'	189° 39'	0.99292506	0.040178292	171° 1'	188° 59'	0.99386690	0.034813143	171° 41'	188° 19'	0.99474187	0.029833423
170° 22'	189° 38'	0.99294942	0.040039463	171° 2'	188° 58'	0.99388959	0.034683954	171° 42'	188° 18'	0.99476289	0.029713866
170° 23'	189° 37'	0.99297374	0.039900876	171° 3'	188° 57'	0.99391224	0.034555006	171° 43'	188° 17'	0.99478386	0.029594549
170° 24'	189° 36'	0.99299801	0.039762529	171° 4'	188° 56'	0.99393484	0.034426299	171° 44'	188° 16'	0.99480480	0.029475472
170° 25'	189° 35'	0.99302225	0.039624423	171° 5'	188° 55'	0.99395741	0.034297833	171° 45'	188° 15'	0.99482569	0.029356637
170° 26'	189° 34'	0.99304644	0.039486558	171° 6'	188° 54'	0.99397993	0.034169607	171° 46'	188° 14'	0.99484654	0.029238042
170° 27'	189° 33'	0.99307059	0.039348935	171° 7'	188° 53'	0.99400241	0.034041623	171° 47'	188° 13'	0.99486735	0.029119687
170° 28'	189° 32'	0.99309470	0.039211553	171° 8'	188° 52'	0.99402485	0.033913879	171° 48'	188° 12'	0.99488811	0.029001574
170° 29'	189° 31'	0.99311877	0.039074411	171° 9'	188° 51'	0.99404725	0.033786376	171° 49'	188° 11'	0.99490883	0.028883701
170° 30'	189° 30'	0.99314280	0.038937511	171° 10'	188° 50'	0.99406960	0.033659114	171° 50'	188° 10'	0.99492952	0.028766068
170° 31'	189° 29'	0.99316678	0.038800852	171° 11'	188° 49'	0.99409191	0.033532093	171° 51'	188° 9'	0.99495016	0.028648676
170° 32'	189° 28'	0.99319072	0.038664434	171° 12'	188° 48'	0.99411419	0.033405313	171° 52'	188° 8'	0.99497075	0.028531525
170° 33'	189° 27'	0.99321462	0.038528256	171° 13'	188° 47'	0.99413642	0.033278773	171° 53'	188° 7'	0.99499131	0.028414615
170° 34'	189° 26'	0.99323848	0.038392320	171° 14'	188° 46'	0.99415860	0.033152475	171° 54'	188° 6'	0.99501182	0.028297945
170° 35'	189° 25'	0.99326230	0.038256625	171° 15'	188° 45'	0.99418075	0.033026417	171° 55'	188° 5'	0.99503230	0.028181515
170° 36'	189° 24'	0.99328608	0.038121171	171° 16'	188° 44'	0.99420286	0.032900600	171° 56'	188° 4'	0.99505273	0.028065327
170° 37'	189° 23'	0.99330981	0.037985959	171° 17'	188° 43'	0.99422492	0.032775023	171° 57'	188° 3'	0.99507312	0.027949379
170° 38'	189° 22'	0.99333350	0.037850987	171° 18'	188° 42'	0.99424694	0.032649688	171° 58'	188° 2'	0.99509346	0.027833671
170° 39'	189° 21'	0.99335715	0.037716256	171° 19'	188° 41'	0.99426892	0.032524593	171° 59'	188° 1'	0.99511377	0.027718204

172° 0'	188° 0'	0.99513403	0.027602978	172° 40'	187° 20'	0.99591017	0.023191155	173° 20'	186° 40'	0.99661917	0.019163970
172° 1'	187° 59'	0.99515425	0.027487992	172° 41'	187° 19'	0.99592872	0.023085789	173° 21'	186° 39'	0.99663604	0.019068216
172° 2'	187° 58'	0.99517443	0.027373247	172° 42'	187° 18'	0.99594722	0.022980663	173° 22'	186° 38'	0.99665286	0.018972703
172° 3'	187° 57'	0.99519457	0.027258743	172° 43'	187° 17'	0.99596568	0.022875778	173° 23'	186° 37'	0.99666964	0.018877429
172° 4'	187° 56'	0.99521466	0.027144479	172° 44'	187° 16'	0.99598409	0.022771133	173° 24'	186° 36'	0.99668638	0.018782396
172° 5'	187° 55'	0.99523472	0.027030455	172° 45'	187° 15'	0.99600247	0.022666728	173° 25'	186° 35'	0.99670307	0.018687603
172° 6'	187° 54'	0.99525473	0.026916672	172° 46'	187° 14'	0.99602080	0.022562564	173° 26'	186° 34'	0.99671973	0.018593050
172° 7'	187° 53'	0.99527470	0.026803130	172° 47'	187° 13'	0.99603910	0.022458640	173° 27'	186° 33'	0.99673634	0.018498738
172° 8'	187° 52'	0.99529462	0.026689828	172° 48'	187° 12'	0.99605735	0.022354956	173° 28'	186° 32'	0.99675291	0.018404665
172° 9'	187° 51'	0.99531451	0.026576767	172° 49'	187° 11'	0.99607555	0.022251513	173° 29'	186° 31'	0.99676944	0.018310833
172° 10'	187° 50'	0.99533435	0.026463946	172° 50'	187° 10'	0.99609372	0.022148310	173° 30'	186° 30'	0.99678592	0.018217241
172° 11'	187° 49'	0.99535416	0.026351366	172° 51'	187° 9'	0.99611184	0.022045348	173° 31'	186° 29'	0.99680237	0.018123889
172° 12'	187° 48'	0.99537392	0.026239027	172° 52'	187° 8'	0.99612993	0.021942626	173° 32'	186° 28'	0.99681877	0.018030778
172° 13'	187° 47'	0.99539363	0.026126928	172° 53'	187° 7'	0.99614797	0.021840144	173° 33'	186° 27'	0.99683513	0.017937906
172° 14'	187° 46'	0.99541331	0.026015069	172° 54'	187° 6'	0.99616596	0.021737902	173° 34'	186° 26'	0.99685145	0.017845275
172° 15'	187° 45'	0.99543294	0.025903451	172° 55'	187° 5'	0.99618392	0.021635901	173° 35'	186° 25'	0.99686772	0.017752884
172° 16'	187° 44'	0.99545254	0.025792074	172° 56'	187° 4'	0.99620183	0.021534140	173° 36'	186° 24'	0.99688396	0.017660733
172° 17'	187° 43'	0.99547209	0.025680937	172° 57'	187° 3'	0.99621971	0.021432620	173° 37'	186° 23'	0.99690015	0.017568822
172° 18'	187° 42'	0.99549160	0.025570040	172° 58'	187° 2'	0.99623754	0.021331340	173° 38'	186° 22'	0.99691630	0.017477152
172° 19'	187° 41'	0.99551106	0.025459384	172° 59'	187° 1'	0.99625533	0.021230300	173° 39'	186° 21'	0.99693240	0.017385721
172° 20'	187° 40'	0.99553049	0.025348969	173° 0'	187° 0'	0.99627307	0.021129501	173° 40'	186° 20'	0.99694847	0.017294531
172° 21'	187° 39'	0.99554987	0.025238794	173° 1'	186° 59'	0.99629078	0.021028941	173° 41'	186° 19'	0.99696449	0.017203581
172° 22'	187° 38'	0.99556921	0.025128859	173° 2'	186° 58'	0.99630844	0.020928623	173° 42'	186° 18'	0.99698047	0.017112871
172° 23'	187° 37'	0.99558851	0.025019165	173° 3'	186° 57'	0.99632606	0.020828544	173° 43'	186° 17'	0.99699641	0.017022401
172° 24'	187° 36'	0.99560777	0.024909711	173° 4'	186° 56'	0.99634364	0.020728706	173° 44'	186° 16'	0.99701231	0.016932171
172° 25'	187° 35'	0.99562698	0.024800498	173° 5'	186° 55'	0.99636117	0.020629108	173° 45'	186° 15'	0.99702816	0.016842181
172° 26'	187° 34'	0.99564615	0.024691526	173° 6'	186° 54'	0.99637867	0.020529750	173° 46'	186° 14'	0.99704398	0.016752432
172° 27'	187° 33'	0.99566528	0.024582793	173° 7'	186° 53'	0.99639612	0.020430633	173° 47'	186° 13'	0.99705975	0.016662923
172° 28'	187° 32'	0.99568437	0.024474302	173° 8'	186° 52'	0.99641353	0.020331755	173° 48'	186° 12'	0.99707548	0.016573653
172° 29'	187° 31'	0.99570342	0.024366050	173° 9'	186° 51'	0.99643090	0.020233119	173° 49'	186° 11'	0.99709116	0.016484624
172° 30'	187° 30'	0.99572243	0.024258040	173° 10'	186° 50'	0.99644822	0.020134722	173° 50'	186° 10'	0.99710681	0.016395835
172° 31'	187° 29'	0.99574139	0.024150269	173° 11'	186° 49'	0.99646551	0.020036566	173° 51'	186° 9'	0.99712241	0.016307286
172° 32'	187° 28'	0.99576031	0.024042739	173° 12'	186° 48'	0.99648275	0.019938650	173° 52'	186° 8'	0.99713797	0.016218977
172° 33'	187° 27'	0.99577919	0.023935450	173° 13'	186° 47'	0.99649995	0.019840974	173° 53'	186° 7'	0.99715349	0.016130909
172° 34'	187° 26'	0.99579803	0.023828401	173° 14'	186° 46'	0.99651711	0.019743538	173° 54'	186° 6'	0.99716897	0.016043080
172° 35'	187° 25'	0.99581682	0.023721592	173° 15'	186° 45'	0.99653422	0.019646343	173° 55'	186° 5'	0.99718440	0.015955492
172° 36'	187° 24'	0.99583558	0.023615024	173° 16'	186° 44'	0.99655130	0.019549388	173° 56'	186° 4'	0.99719979	0.015868143
172° 37'	187° 23'	0.99585429	0.023508696	173° 17'	186° 43'	0.99656833	0.019452673	173° 57'	186° 3'	0.99721514	0.015781035
172° 38'	187° 22'	0.99587296	0.023402609	173° 18'	186° 42'	0.99658532	0.019356199	173° 58'	186° 2'	0.99723045	0.015694167
172° 39'	187° 21'	0.99589159	0.023296762	173° 19'	186° 41'	0.99660227	0.019259964	173° 59'	186° 1'	0.99724572	0.015607539



174° 0'	186° 0'	0.99726094	0.015521150	174° 40'	185° 20'	0.99783539	0.012262448	175° 20'	184° 40'	0.99834244	0.009387642
174° 1'	185° 59'	0.99727613	0.015435002	174° 41'	185° 19'	0.99784889	0.012185900	175° 21'	184° 39'	0.99835425	0.009320689
174° 2'	185° 58'	0.99729127	0.015349094	174° 42'	185° 18'	0.99786234	0.012109592	175° 22'	184° 38'	0.99836602	0.009253975
174° 3'	185° 57'	0.99730636	0.015263427	174° 43'	185° 17'	0.99787576	0.012033524	175° 23'	184° 37'	0.99837775	0.009187502
174° 4'	185° 56'	0.99732142	0.015177999	174° 44'	185° 16'	0.99788913	0.011957695	175° 24'	184° 36'	0.99838943	0.009121268
174° 5'	185° 55'	0.99733643	0.015092811	174° 45'	185° 15'	0.99790246	0.011882107	175° 25'	184° 35'	0.99840108	0.009055274
174° 6'	185° 54'	0.99735140	0.015007863	174° 46'	185° 14'	0.99791575	0.011806759	175° 26'	184° 34'	0.99841268	0.008989520
174° 7'	185° 53'	0.99736633	0.014923156	174° 47'	185° 13'	0.99792899	0.011731650	175° 27'	184° 33'	0.99842424	0.008924005
174° 8'	185° 52'	0.99738122	0.014838688	174° 48'	185° 12'	0.99794219	0.011656782	175° 28'	184° 32'	0.99843576	0.008858731
174° 9'	185° 51'	0.99739607	0.014754460	174° 49'	185° 11'	0.99795536	0.011582153	175° 29'	184° 31'	0.99844723	0.008793696
174° 10'	185° 50'	0.99741087	0.014670473	174° 50'	185° 10'	0.99796847	0.011507764	175° 30'	184° 30'	0.99845866	0.008728901
174° 11'	185° 49'	0.99742563	0.014586725	174° 51'	185° 9'	0.99798155	0.011433615	175° 31'	184° 29'	0.99847005	0.008664345
174° 12'	185° 48'	0.99744035	0.014503218	174° 52'	185° 8'	0.99799459	0.011359706	175° 32'	184° 28'	0.99848140	0.008600030
174° 13'	185° 47'	0.99745503	0.014419951	174° 53'	185° 7'	0.99800758	0.011286037	175° 33'	184° 27'	0.99849271	0.008535954
174° 14'	185° 46'	0.99746966	0.014336923	174° 54'	185° 6'	0.99802053	0.011212608	175° 34'	184° 26'	0.99850397	0.008472118
174° 15'	185° 45'	0.99748425	0.014254136	174° 55'	185° 5'	0.99803344	0.011139419	175° 35'	184° 25'	0.99851519	0.008408522
174° 16'	185° 44'	0.99749881	0.014171588	174° 56'	185° 4'	0.99804630	0.011066469	175° 36'	184° 24'	0.99852637	0.008345166
174° 17'	185° 43'	0.99751331	0.014089281	174° 57'	185° 3'	0.99805913	0.010993760	175° 37'	184° 23'	0.99853751	0.008282049
174° 18'	185° 42'	0.99752778	0.014007214	174° 58'	185° 2'	0.99807191	0.010921290	175° 38'	184° 22'	0.99854860	0.008219172
174° 19'	185° 41'	0.99754220	0.013925386	174° 59'	185° 1'	0.99808465	0.010849061	175° 39'	184° 21'	0.99855966	0.008156535
174° 20'	185° 40'	0.99755659	0.013843799	175° 0'	185° 0'	0.99809734	0.010777071	175° 40'	184° 20'	0.99857067	0.008094138
174° 21'	185° 39'	0.99757093	0.013762452	175° 1'	184° 59'	0.99811000	0.010705321	175° 41'	184° 19'	0.99858164	0.008031980
174° 22'	185° 38'	0.99758523	0.013681344	175° 2'	184° 58'	0.99812261	0.010633810	175° 42'	184° 18'	0.99859256	0.007970062
174° 23'	185° 37'	0.99759948	0.013600477	175° 3'	184° 57'	0.99813518	0.010562540	175° 43'	184° 17'	0.99860345	0.007908384
174° 24'	185° 36'	0.99761370	0.013519850	175° 4'	184° 56'	0.99814771	0.010491510	175° 44'	184° 16'	0.99861429	0.007846946
174° 25'	185° 35'	0.99762787	0.013439462	175° 5'	184° 55'	0.99816020	0.010420719	175° 45'	184° 15'	0.99862509	0.007785748
174° 26'	185° 34'	0.99764200	0.013359315	175° 6'	184° 54'	0.99817264	0.010350169	175° 46'	184° 14'	0.99863585	0.007724789
174° 27'	185° 33'	0.99765608	0.013279407	175° 7'	184° 53'	0.99818505	0.010279858	175° 47'	184° 13'	0.99864656	0.007664070
174° 28'	185° 32'	0.99767013	0.013199740	175° 8'	184° 52'	0.99819741	0.010209787	175° 48'	184° 12'	0.99865723	0.007603590
174° 29'	185° 31'	0.99768413	0.013120313	175° 9'	184° 51'	0.99820972	0.010139955	175° 49'	184° 11'	0.99866787	0.007543351
174° 30'	185° 30'	0.99769809	0.013041125	175° 10'	184° 50'	0.99822200	0.010070364	175° 50'	184° 10'	0.99867845	0.007483351
174° 31'	185° 29'	0.99771201	0.012962178	175° 11'	184° 49'	0.99823423	0.010001013	175° 51'	184° 9'	0.99868900	0.007423591
174° 32'	185° 28'	0.99772589	0.012883470	175° 12'	184° 48'	0.99824643	0.009931901	175° 52'	184° 8'	0.99869950	0.007364070
174° 33'	185° 27'	0.99773973	0.012805002	175° 13'	184° 47'	0.99825857	0.009863029	175° 53'	184° 7'	0.99870997	0.007304790
174° 34'	185° 26'	0.99775352	0.012726775	175° 14'	184° 46'	0.99827068	0.009794397	175° 54'	184° 6'	0.99872039	0.007245749
174° 35'	185° 25'	0.99776727	0.012648787	175° 15'	184° 45'	0.99828275	0.009726005	175° 55'	184° 5'	0.99873076	0.007186947
174° 36'	185° 24'	0.99778098	0.012571039	175° 16'	184° 44'	0.99829477	0.009657853	175° 56'	184° 4'	0.99874110	0.007128386
174° 37'	185° 23'	0.99779464	0.012493532	175° 17'	184° 43'	0.99830675	0.009589940	175° 57'	184° 3'	0.99875139	0.007070064
174° 38'	185° 22'	0.99780827	0.012416264	175° 18'	184° 42'	0.99831869	0.009522268	175° 58'	184° 2'	0.99876164	0.007011982
174° 39'	185° 21'	0.99782185	0.012339236	175° 19'	184° 41'	0.99833059	0.009454835	175° 59'	184° 1'	0.99877185	0.006954140

176° 0'	184° 0'	0.99878202	0.006896537	176° 40'	183° 20'	0.99915407	0.004788964	177° 20'	182° 40'	0.99945855	0.003064782
176° 1'	183° 59'	0.99879215	0.006839174	176° 41'	183° 19'	0.99916251	0.004741188	177° 21'	182° 39'	0.99946530	0.003026588
176° 2'	183° 58'	0.99880223	0.006782051	176° 42'	183° 18'	0.99917090	0.004693651	177° 22'	182° 38'	0.99947200	0.002988634
176° 3'	183° 57'	0.99881227	0.006725167	176° 43'	183° 17'	0.99917926	0.004646354	177° 23'	182° 37'	0.99947866	0.002950920
176° 4'	183° 56'	0.99882227	0.006668523	176° 44'	183° 16'	0.99918756	0.004599296	177° 24'	182° 36'	0.99948528	0.002913445
176° 5'	183° 55'	0.99883222	0.006612119	176° 45'	183° 15'	0.99919583	0.004552478	177° 25'	182° 35'	0.99949186	0.002876210
176° 6'	183° 54'	0.99884213	0.006555955	176° 46'	183° 14'	0.99920406	0.004505899	177° 26'	182° 34'	0.99949839	0.002839214
176° 7'	183° 53'	0.99885201	0.006500030	176° 47'	183° 13'	0.99921224	0.004459560	177° 27'	182° 33'	0.99950488	0.002802458
176° 8'	183° 52'	0.99886184	0.006444345	176° 48'	183° 12'	0.99922038	0.004413461	177° 28'	182° 32'	0.99951133	0.002765941
176° 9'	183° 51'	0.99887162	0.006388899	176° 49'	183° 11'	0.99922848	0.004367601	177° 29'	182° 31'	0.99951774	0.002729664
176° 10'	183° 50'	0.99888137	0.006333694	176° 50'	183° 10'	0.99923653	0.004321981	177° 30'	182° 30'	0.99952411	0.002693626
176° 11'	183° 49'	0.99889107	0.006278728	176° 51'	183° 9'	0.99924454	0.004276600	177° 31'	182° 29'	0.99953043	0.002657828
176° 12'	183° 48'	0.99890073	0.006224001	176° 52'	183° 8'	0.99925252	0.004231460	177° 32'	182° 28'	0.99953671	0.002622270
176° 13'	183° 47'	0.99891035	0.006169515	176° 53'	183° 7'	0.99926044	0.004186558	177° 33'	182° 27'	0.99954295	0.002586951
176° 14'	183° 46'	0.99891992	0.006115268	176° 54'	183° 6'	0.99926833	0.004141896	177° 34'	182° 26'	0.99954914	0.002551871
176° 15'	183° 45'	0.99892946	0.006061260	176° 55'	183° 5'	0.99927617	0.004097474	177° 35'	182° 25'	0.99955530	0.002517031
176° 16'	183° 44'	0.99893895	0.006007493	176° 56'	183° 4'	0.99928398	0.004053292	177° 36'	182° 24'	0.99956141	0.002482431
176° 17'	183° 43'	0.99894840	0.005953965	176° 57'	183° 3'	0.99929174	0.004009349	177° 37'	182° 23'	0.99956748	0.002448070
176° 18'	183° 42'	0.99895780	0.005900676	176° 58'	183° 2'	0.99929945	0.003965645	177° 38'	182° 22'	0.99957351	0.002413948
176° 19'	183° 41'	0.99896717	0.005847628	176° 59'	183° 1'	0.99930713	0.003922181	177° 39'	182° 21'	0.99957949	0.002380066
176° 20'	183° 40'	0.99897649	0.005794819	177° 0'	183° 0'	0.99931476	0.003878957	177° 40'	182° 20'	0.99958543	0.002346424
176° 21'	183° 39'	0.99898577	0.005742249	177° 1'	182° 59'	0.99932235	0.003835973	177° 41'	182° 19'	0.99959133	0.002313021
176° 22'	183° 38'	0.99899501	0.005689920	177° 2'	182° 58'	0.99932990	0.003793228	177° 42'	182° 18'	0.99959719	0.002279857
176° 23'	183° 37'	0.99900421	0.005637830	177° 3'	182° 57'	0.99933741	0.003750722	177° 43'	182° 17'	0.99960301	0.002246934
176° 24'	183° 36'	0.99901336	0.005585979	177° 4'	182° 56'	0.99934487	0.003708456	177° 44'	182° 16'	0.99960878	0.002214249
176° 25'	183° 35'	0.99902247	0.005534369	177° 5'	182° 55'	0.99935229	0.003666430	177° 45'	182° 15'	0.99961451	0.002181804
176° 26'	183° 34'	0.99903154	0.005482997	177° 6'	182° 54'	0.99935967	0.003624643	177° 46'	182° 14'	0.99962020	0.002149599
176° 27'	183° 33'	0.99904057	0.005431866	177° 7'	182° 53'	0.99936701	0.003583096	177° 47'	182° 13'	0.99962585	0.002117633
176° 28'	183° 32'	0.99904955	0.005380974	177° 8'	182° 52'	0.99937431	0.003541788	177° 48'	182° 12'	0.99963145	0.002085907
176° 29'	183° 31'	0.99905849	0.005330322	177° 9'	182° 51'	0.99938156	0.003500720	177° 49'	182° 11'	0.99963702	0.002054420
176° 30'	183° 30'	0.99906739	0.005279910	177° 10'	182° 50'	0.99938877	0.003459891	177° 50'	182° 10'	0.99964254	0.002023173
176° 31'	183° 29'	0.99907625	0.005229737	177° 11'	182° 49'	0.99939594	0.003419302	177° 51'	182° 9'	0.99964801	0.001992165
176° 32'	183° 28'	0.99908507	0.005179804	177° 12'	182° 48'	0.99940306	0.003378953	177° 52'	182° 8'	0.99965345	0.001961396
176° 33'	183° 27'	0.99909384	0.005130110	177° 13'	182° 47'	0.99941015	0.003338843	177° 53'	182° 7'	0.99965884	0.001930868
176° 34'	183° 26'	0.99910257	0.005080656	177° 14'	182° 46'	0.99941719	0.003298973	177° 54'	182° 6'	0.99966419	0.001900578
176° 35'	183° 25'	0.99911126	0.005031442	177° 15'	182° 45'	0.99942419	0.003259342	177° 55'	182° 5'	0.99966950	0.001870528
176° 36'	183° 24'	0.99911991	0.004982467	177° 16'	182° 44'	0.99943115	0.003219951	177° 56'	182° 4'	0.99967477	0.001840718
176° 37'	183° 23'	0.99912851	0.004933732	177° 17'	182° 43'	0.99943806	0.003180799	177° 57'	182° 3'	0.99967999	0.001811147
176° 38'	183° 22'	0.99913708	0.004885237	177° 18'	182° 42'	0.99944493	0.003141887	177° 58'	182° 2'	0.99968517	0.001781816
176° 39'	183° 21'	0.99914560	0.004836981	177° 19'	182° 41'	0.99945176	0.003103215	177° 59'	182° 1'	0.99969031	0.001752724

178° 0'	182° 0'	0.99969541	0.001723872	178° 40'	181° 20'	0.99986462	0.000766144	179° 20'	180° 40'	0.99996615	0.000191533
178° 1'	181° 59'	0.99970046	0.001695259	178° 41'	181° 19'	0.99986798	0.000747109	179° 21'	180° 39'	0.99996782	0.000182076
178° 2'	181° 58'	0.99970548	0.001666885	178° 42'	181° 18'	0.99987130	0.000728314	179° 22'	180° 38'	0.99996945	0.000172858
178° 3'	181° 57'	0.99971045	0.001638751	178° 43'	181° 17'	0.99987458	0.000709759	179° 23'	180° 37'	0.99997104	0.000163880
178° 4'	181° 56'	0.99971537	0.001610857	178° 44'	181° 16'	0.99987782	0.000691443	179° 24'	180° 36'	0.99997258	0.000155141
178° 5'	181° 55'	0.99972026	0.001583202	178° 45'	181° 15'	0.99988101	0.000673367	179° 25'	180° 35'	0.99997408	0.000146642
178° 6'	181° 54'	0.99972510	0.001555786	178° 46'	181° 14'	0.99988416	0.000655529	179° 26'	180° 34'	0.99997554	0.000138382
178° 7'	181° 53'	0.99972990	0.001528610	178° 47'	181° 13'	0.99988727	0.000637932	179° 27'	180° 33'	0.99997696	0.000130362
178° 8'	181° 52'	0.99973466	0.001501674	178° 48'	181° 12'	0.99989034	0.000620574	179° 28'	180° 32'	0.99997833	0.000122581
178° 9'	181° 51'	0.99973938	0.001474977	178° 49'	181° 11'	0.99989336	0.000603455	179° 29'	180° 31'	0.99997967	0.000115039
178° 10'	181° 50'	0.99974405	0.001448519	178° 50'	181° 10'	0.99989634	0.000586576	179° 30'	180° 30'	0.99998096	0.000107737
178° 11'	181° 49'	0.99974869	0.001422301	178° 51'	181° 9'	0.99989928	0.000569936	179° 31'	180° 29'	0.99998221	0.000100674
178° 12'	181° 48'	0.99975328	0.001396323	178° 52'	181° 8'	0.99990218	0.000553535	179° 32'	180° 28'	0.99998341	0.000093851
178° 13'	181° 47'	0.99975782	0.001370583	178° 53'	181° 7'	0.99990504	0.000537374	179° 33'	180° 27'	0.99998457	0.000087267
178° 14'	181° 46'	0.99976233	0.001345084	178° 54'	181° 6'	0.99990785	0.000521453	179° 34'	180° 26'	0.99998570	0.000080922
178° 15'	181° 45'	0.99976679	0.001319823	178° 55'	181° 5'	0.99991062	0.000505771	179° 35'	180° 25'	0.99998677	0.000074817
178° 16'	181° 44'	0.99977121	0.001294803	178° 56'	181° 4'	0.99991335	0.000490328	179° 36'	180° 24'	0.99998781	0.000068952
178° 17'	181° 43'	0.99977559	0.001270021	178° 57'	181° 3'	0.99991604	0.000475125	179° 37'	180° 23'	0.99998881	0.000063325
178° 18'	181° 42'	0.99977993	0.001245480	178° 58'	181° 2'	0.99991868	0.000460161	179° 38'	180° 22'	0.99998976	0.000057938
178° 19'	181° 41'	0.99978422	0.001221177	178° 59'	181° 1'	0.99992128	0.000445436	179° 39'	180° 21'	0.99999067	0.000052791
178° 20'	181° 40'	0.99978847	0.001197114	179° 0'	181° 0'	0.99992384	0.000430951	179° 40'	180° 20'	0.99999153	0.000047883
178° 21'	181° 39'	0.99979268	0.001173291	179° 1'	180° 59'	0.99992636	0.000416706	179° 41'	180° 19'	0.99999236	0.000043214
178° 22'	181° 38'	0.99979685	0.001149707	179° 2'	180° 58'	0.99992884	0.000402700	179° 42'	180° 18'	0.99999314	0.000038785
178° 23'	181° 37'	0.99980097	0.001126363	179° 3'	180° 57'	0.99993127	0.000388933	179° 43'	180° 17'	0.99999388	0.000034595
178° 24'	181° 36'	0.99980505	0.001103258	179° 4'	180° 56'	0.99993366	0.000375406	179° 44'	180° 16'	0.99999458	0.000030645
178° 25'	181° 35'	0.99980909	0.001080392	179° 5'	180° 55'	0.99993601	0.000362118	179° 45'	180° 15'	0.99999524	0.000026934
178° 26'	181° 34'	0.99981309	0.001057766	179° 6'	180° 54'	0.99993831	0.000349070	179° 46'	180° 14'	0.99999585	0.000023463
178° 27'	181° 33'	0.99981705	0.001035379	179° 7'	180° 53'	0.99994058	0.000336261	179° 47'	180° 13'	0.99999642	0.000020231
178° 28'	181° 32'	0.99982096	0.001013232	179° 8'	180° 52'	0.99994280	0.000323691	179° 48'	180° 12'	0.99999695	0.000017238
178° 29'	181° 31'	0.99982483	0.000991324	179° 9'	180° 51'	0.99994497	0.000311361	179° 49'	180° 11'	0.99999744	0.000014485
178° 30'	181° 30'	0.99982866	0.000969656	179° 10'	180° 50'	0.99994711	0.000299271	179° 50'	180° 10'	0.99999788	0.000011971
178° 31'	181° 29'	0.99983244	0.000948227	179° 11'	180° 49'	0.99994921	0.000287419	179° 51'	180° 9'	0.99999828	0.000009696
178° 32'	181° 28'	0.99983619	0.000927038	179° 12'	180° 48'	0.99995126	0.000275808	179° 52'	180° 8'	0.99999864	0.000007661
178° 33'	181° 27'	0.99983989	0.000906088	179° 13'	180° 47'	0.99995327	0.000264435	179° 53'	180° 7'	0.99999896	0.000005866
178° 34'	181° 26'	0.99984355	0.000885378	179° 14'	180° 46'	0.99995523	0.000253302	179° 54'	180° 6'	0.99999923	0.000004309
178° 35'	181° 25'	0.99984717	0.000864907	179° 15'	180° 45'	0.99995716	0.000242409	179° 55'	180° 5'	0.99999947	0.000002993
178° 36'	181° 24'	0.99985074	0.000844675	179° 16'	180° 44'	0.99995904	0.000231755	179° 56'	180° 4'	0.99999966	0.000001915
178° 37'	181° 23'	0.99985427	0.000824683	179° 17'	180° 43'	0.99996088	0.000221340	179° 57'	180° 3'	0.99999981	0.000001077
178° 38'	181° 22'	0.99985776	0.000804930	179° 18'	180° 42'	0.99996268	0.000211165	179° 58'	180° 2'	0.99999991	0.000000479
178° 39'	181° 21'	0.99986121	0.000785417	179° 19'	180° 41'	0.99996444	0.000201229	179° 59'	180° 1'	0.99999997	0.000000120

