ARPA ORDER NO.: 189-1
6P10 Information Processing Techniques

R-1276-1-ARPA
October 1975

A New (Revised) Tabulation of the Scripps Topography on a 1° Global Grid. Part I: Terrain Heights

W. L. Gates and A. B. Nelson

A Report prepared for

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

Rand
SANTA MONICA, CA. 90406

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PREFACE

This report is a revision of the earlier tabulation of global terrain heights issued as R-1276-ARPA in November 1973, and corrects systematic errors which were present in the tabulations poleward of 50°. Figures 1 through 5, associated with the tabulation's statistical summary, have also been recomputed. The related tabulation of ocean depths is given in R-1277-1-ARPA.

We would like to thank L. J. Lewis of the Geophysical Fluid Dynamics Laboratory, NOAA, for calling our attention to the previous tabulation's errors, and L. D. Bregman for his review of the newly tabulated data.

SUMMARY

The world-wide terrain height data prepared at the Scripps Institution of Oceanography have been newly revised, and are herewith retabulated on a 1° grid. The revisions to the original Scripps data include the insertion of the elevation of the surface of lakes, the negative elevation of land areas lying below sea level, and the elevation of several heretofore omitted islands. A number of changes of land elevation near coasts have also been made, including some apparent errors in the original data. The new tabulations are summarized in the form of a global analysis, histograms, and zonal averages.

CONTENTS

I. INTRODUCTION

In numerical simulations of atmospheric flow the terrain height is often needed as an input boundary condition. For small-scale problems, detailed local topographic information is usually available; in the case of large-scale problems, however, such as global circulation studies, the terrain height on an appropriate world-wide grid has been less readily available. Recognizing this need a number of years ago, Berkofsky and Bertoni (1955) published a tabulation of the topographic heights averaged over 5° latitude-longitude areas for the entire earth. These data were themselves obtained by averaging the values at 1° intervals, found by visual inspection of aeronautical charts. Because they are used in many applications, these data are often interpolated onto other grids, with a consequent degradation of both accuracy and detail.

The need for a more detailed topographic data source was also recognized by Smith, Menard, and Sharman (1966), who have presented topographic data over most of the globe at 1° intervals. Although these data undoubtedly constitute the best source of large-scale continental elevations available, they are in a format which does not readily lend itself to many applications. It is the purpose of this report to present these Scripps data in a new and extended tabulation for the entire globe at 1° intervals, in the hope that it will prove a more convenient source for further use. A companion tabulation of the Scripps ocean depth data may be found in R-1277-1-ARPA (Gates and Nelson, 1975).

II. DATA PROCESSING AND REVISION

Details of the data sources and estimation methods used in the original Scripps tabulation are given by Smith, Menard, and Sharman (1966). In order to produce a uniform listing on a 1° global grid, it was necessary to interpolate these data with respect to longitude in the higher latitudes. In the Scripps tabulation, the continental elevations are given to the nearest 100 m every 2° of longitude at latitudes 50° through 69°, every 5° longitude at latitudes 70° through 79°, and every 10° of longitude at latitudes 80° through 89°. The missing data for each degree of longitude between latitudes 50° and the poles were obtained by a linear east-west interpolation of the given Scripps data. In the previous Rand tabulation (R-1276-ARPA, Gates and Nelson, 1973), these data were inadvertently assigned to the westernmost 1° longitude interval of the original 2°, 5° and 10° longitude tabulations poleward of 50° latitude. The subsequent longitudinal interpolations to 1° intervals were therefore erroneous, and have been corrected in the present report.

This fully interpolated data set was then reviewed for consistency of coastal outlines, and a number of changes were made, particularly in the Pacific and Arctic regions. These revisions consisted (with only one exception) of the assignment as land areas of several dozen 1° squares previously identified as ocean. The tabulations were next revised by the insertion of the elevation of the surface of those lakes resolved by the grid, replacing the lake bottom elevations contained in the original listing. These data were determined from world maps on a scale of 1:11,000,000 prepared by the U.S. Army Topographic Command and Naval Oceanographic Office (1971). These lake surface data are denoted by the subscript L in the tabulation, and represent the Aral Sea, the lakes Baikal and Balkhash, the Caspian Sea, and the lakes Chad, Erie, Eyre, Great Bear, Great Slave, Huron, Lodoga, Michigan, Nyasa, Onega, Ontario, Reindeer, Superior, Tanganyika, Victoria, and Winnipeg.

The tabulations were next revised by the inclusion of a number of islands omitted in the original Scripps listings (in addition to the occasional revision of the boundaries of listed islands as noted above). Newly tabulated are the islands of Hawaii, Kodiak, Komsomolets, New Caledonia, Nordaustlandet, Papua, and West Falkland. A final revision of the data resulted from a review of the tabulated terrain heights to detect gross errors and inconsistencies. A number of such corrections were necessary at scattered points, where the elevations were evidently originally tabulated in meters rather than decameters. A record of these and all other changes to the original Scripps tabulation is available for reference.

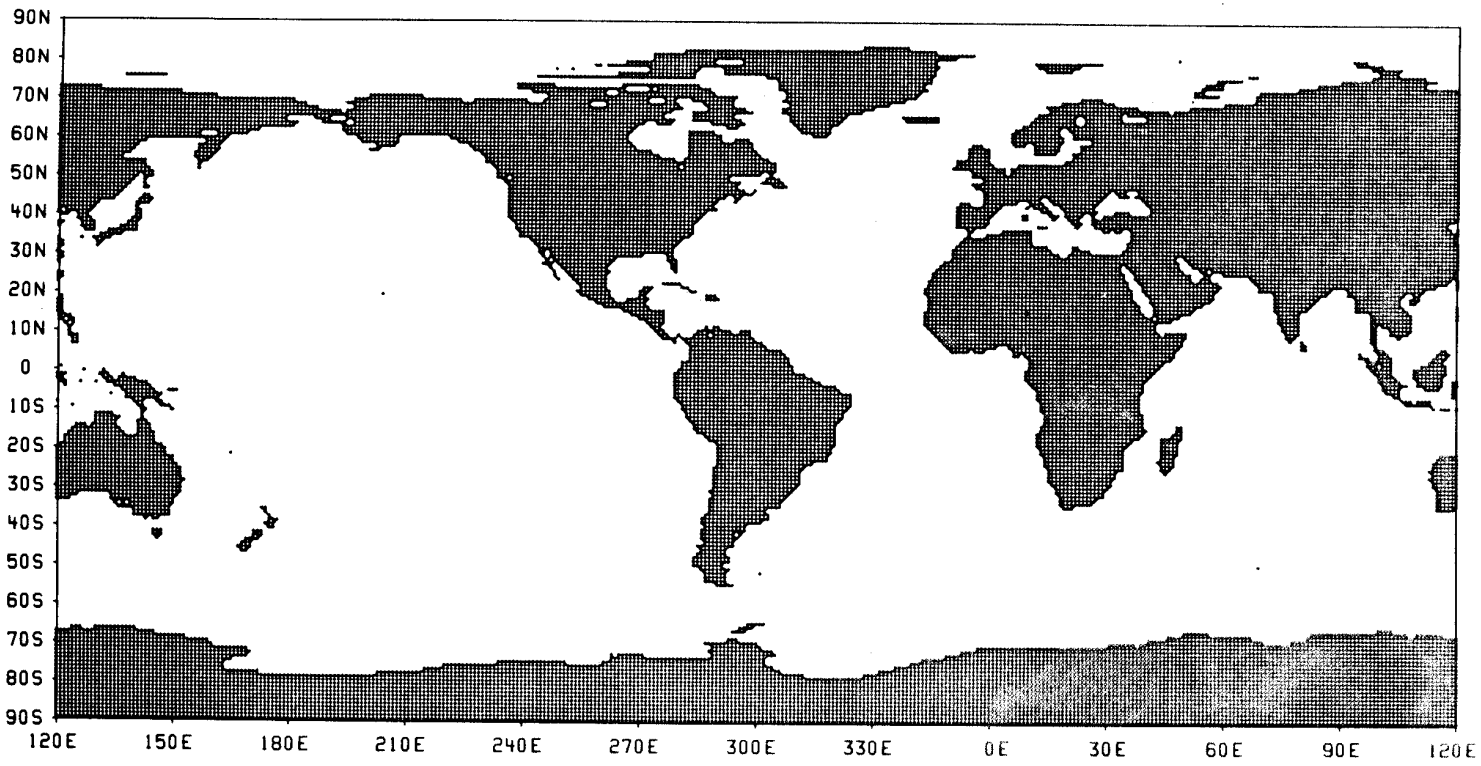
III. STATISTICAL SUMMARY

In addition to the tabulations themselves, it is of interest to give a few overall characteristics of the global topography. In Fig. 1 we show the continental outlines as resolved by the 1° grid. Figure 2 illustrates an analysis of the terrain height data, which serves to identify the major topographic features of the world.

In Fig. 3a the tabulated data are shown in the form of a histogram at 500-m intervals. We note in particular that more than half of the 22,537 tabulated elevations (on a 1° grid) are below 1000 m, and that there is a secondary maximum of terrain height frequency between 3000 and 3500 m. This histogram, however, overemphasizes the terrain heights in higher latitudes by treating all tabulated data equally. The histogram of actual surface area occupied by land in 500-m elevation intervals is shown in Fig. 3b. This distribution was found by weighting the data in Fig. 3a by the areas appropriate to each land point.

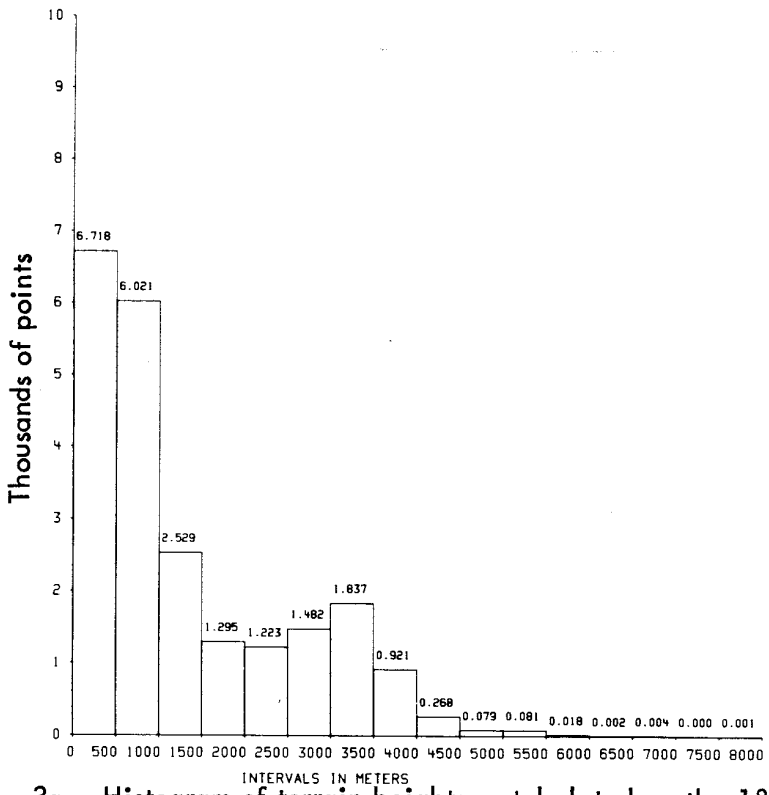
In Fig. 4a the tabulated data are shown in terms of zonal averages, wherein the maximum height near 35°N is produced by both the Rockies and the Himalayas. This figure, however, also overemphasizes the higher-latitude terrain heights by treating all 1° data equally. The corresponding zonal averages found by weighting the data of Fig. 4a by the cosine of latitude are shown in Fig. 4b; here a greater degree of latitudinal symmetry is evident. These data give an area-weighted mean terrain height of 678 m in the northern hemisphere and 658 m in the southern hemisphere, with a global mean of 668 m. The tabulated data have also been converted into the fraction representing land in Fig. 5a, and in terms of the actual land area per degree of latitude in Fig. 5b.

Although we have not systematically compared the tabulated Scripps topographic data with other data sources, we have noted a number of apparent omissions and discrepancies. For example, the low-lying land at the northern end of the Caspian Sea was originally listed as above sea level, the height given for Punta Eugenia in Baja California was excessive, and the island of Hawaii was not represented. These and other errors were corrected by the insertion of the surface elevations of all lakes resolved by the grid and by review of all coastal and island regions. The tabulations were also visually checked for local terrain height errors. No revisions were made at locations covered by permanent ice (as in Greenland and Antarctica); here the ice is treated as though it were land and its surface elevation is tabulated.



CONTOURS OF OCEAN DEPTHS

Fig. 1—The delineation of land and ocean areas as resolved by the 1 global grid. The grid itself is shown by dots over the land areas.



g. 3a—Histogram of terrain heights as tabulated on the 1° grid treating all 22,537 points equally. Those points below sea-level are here included in the 0—500-m category.

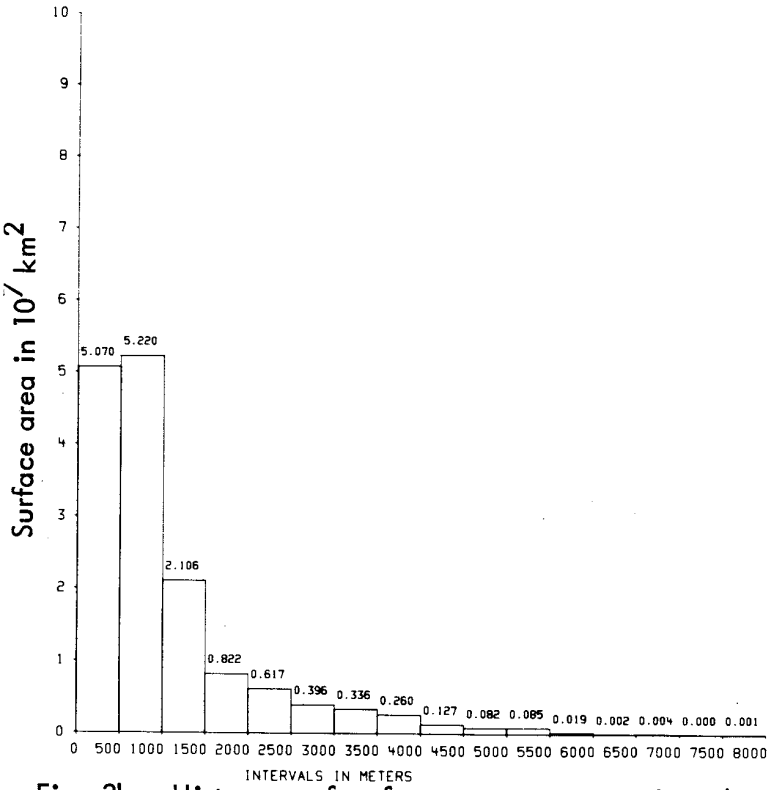


Fig. 3b—Histogram of surface area represented by the land in 500-m height intervals.

Fig. 4a—Meridional variation of the zonal average terrain height as tabulated on the 1° grid. Each land point is treated equally (as in Fig. 3a), with ocean points disregarded.

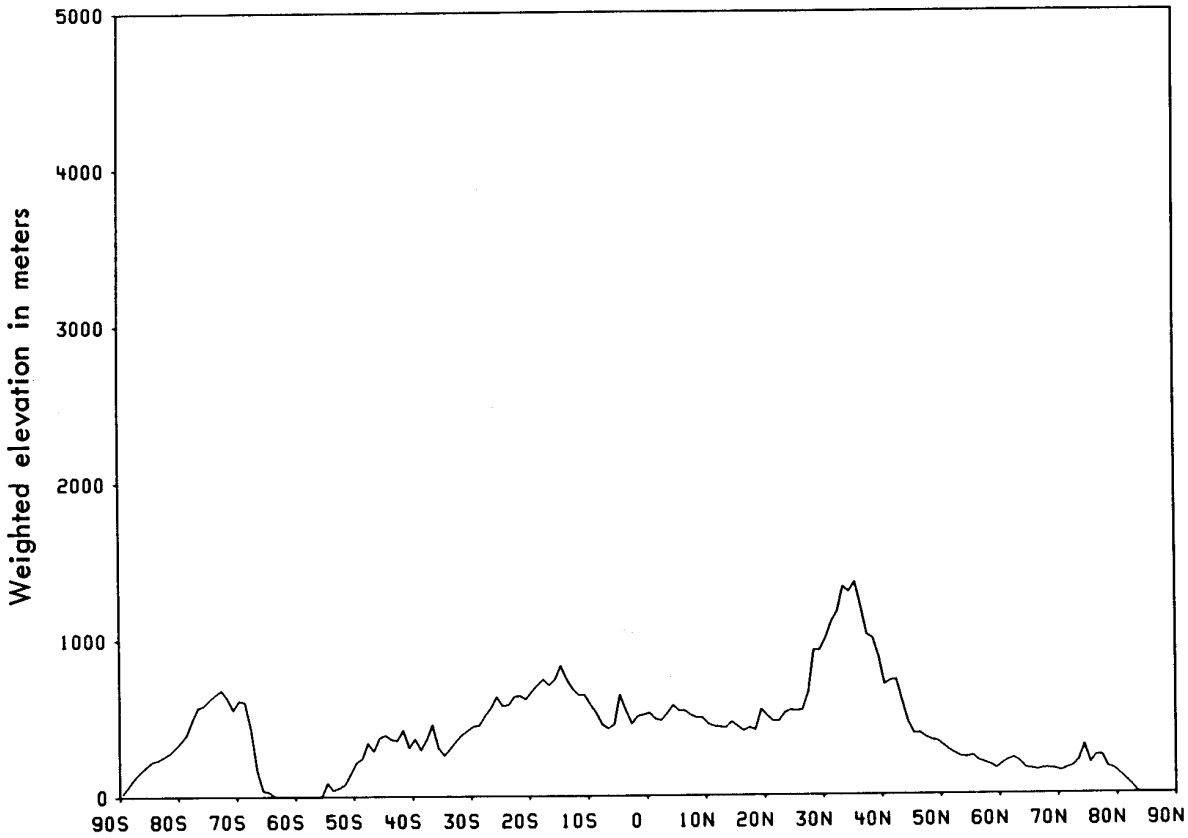


Fig. 4b—Meridional variation of the zonal average terrain height multiplied by the cosine of latitude, with ocean points disregarded.

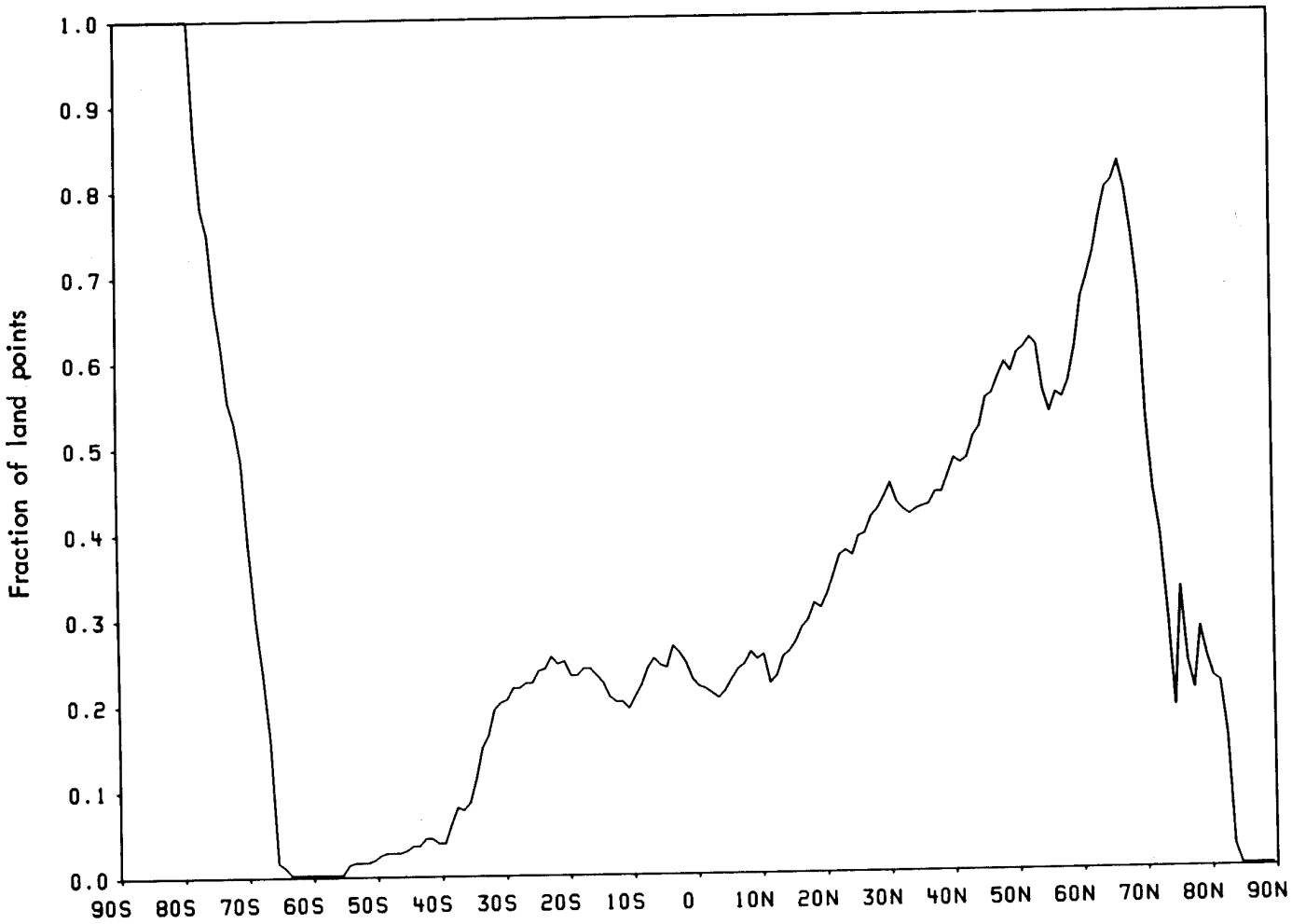


Fig. 5a—Meridional variation of the fraction of the tabulated points representing land.

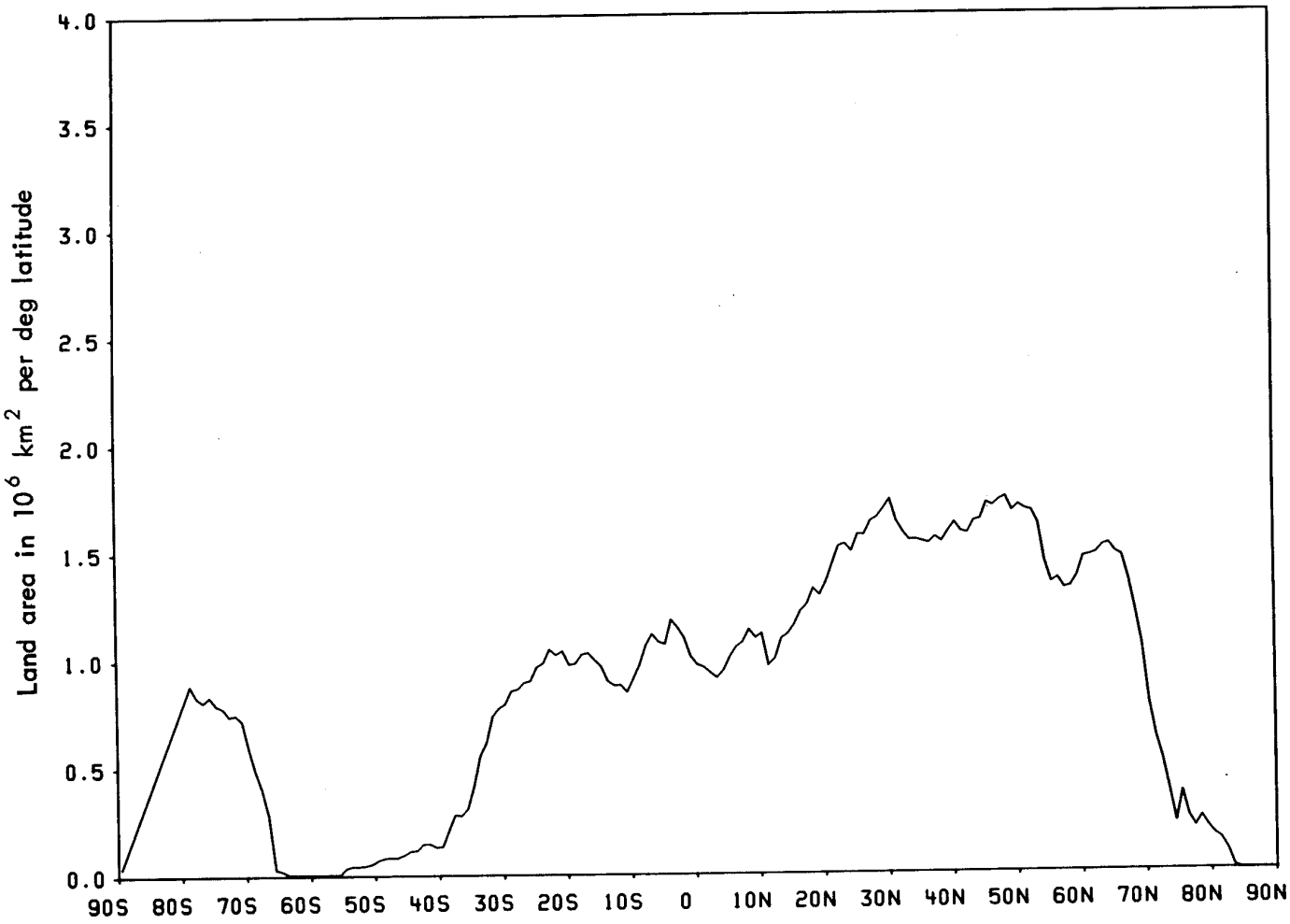


Fig. 5b — Meridional variation of the area covered by land (per degree of latitude).

IV. TOPOGRAPHY TABULATION (TERRAIN HEIGHTS)

In the following tabulation the original Scripps continental elevations with respect to mean sea level (and those interpolated over longitude at latitudes poleward of 50°) are presented in the form of grid-point values on a 1° global grid. These values are given in decameters (= 10 m), with asterisks denoting the locations of ocean. All longitudes are referenced eastward from Greenwich. The quadrant identification used in the original Scripps tabulation by Smith, Menard, and Sharman (1966) has here been transformed to the true latitude and longitude of the center of the 1° squares for which the listed height is the estimated average.

The locations of lakes may be identified by the subscript L following the tabulation of the lake's surface elevation. The locations of permanent ice-covered land are not separately identified, and the ice's surface elevation is tabulated as though it were land. Negative numbers denote land below mean sea level, while zero denotes land at sea level (to the nearest decameter). Ocean depths are tabulated in Part II of this report (R-1277-1-ARPA).

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	0
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	1
64.5N	*	*	*	*	*	*	*	*	*	*	17	42
63.5N	*	*	*	*	*	*	*	*	2	17	32	52
62.5N	*	*	*	*	*	*	2	29	66	84	81	85
61.5N	*	*	*	*	*	2	47	82	107	107	82	70
60.5N	*	*	*	*	*	5	55	75	65	51	34	25
59.5N	*	*	*	*	*	5	55	70	50	32	17	12
58.5N	*	*	*	*	*	*	17	20	1	*	*	0
57.5N	*	*	*	*	*	*	*	*	*	*	*	1
56.5N	*	*	*	*	*	*	*	*	*	*	*	1
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	0	4	6	7	7
52.5N	11	5	5	2	*	0	6	12	17	20	20	17
51.5N	16	12	7	2	*	1	14	22	27	30	30	27
50.5N	15	16	17	18	19	22	27	30	30	32	37	40
49.5N	8	10	10	20	20	20	30	30	20	30	30	40
48.5N	20	20	20	20	20	20	30	30	50	50	50	40
47.5N	10	20	20	30	40	25	50	40	80	90	110	90
46.5N	20	30	30	30	40	50	75	230	200	190	150	110
45.5N	20	30	70	60	55	40	220	120	30	30	35	20

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
44.5N	20	20	50	80	30	120	220	90	5	25	60	25
43.5N	30	20	40	10	10	18	20	*	*	*	10	30
42.5N	100	100	80	*	*	*	*	*	*	10	*	10
41.5N	20	30	*	*	*	*	*	*	*	*	*	*
40.5N	6	*	*	*	*	*	*	*	20	40	*	*
39.5N	*	*	*	*	*	*	*	*	10	0	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	40	45	40	50	40	45	50	15	*
35.5N	50	70	80	70	60	60	110	90	80	90	10	*
34.5N	90	90	80	90	50	20	20	30	70	50	10	*
33.5N	100	100	80	70	40	20	20	20	10	20	10	*
32.5N	85	70	70	60	30	20	20	10	20	30	25	10
31.5N	70	60	50	40	20	20	20	20	30	30	40	40
30.5N	50	50	40	30	20	20	20	20	30	30	40	40
29.5N	40	50	50	40	30	25	26	30	40	40	50	50
28.5N	40	50	50	50	50	40	30	30	40	40	40	40
27.5N	40	50	40	40	40	50	40	40	40	40	40	40
26.5N	40	50	40	50	50	70	50	50	60	50	40	40
25.5N	40	40	50	55	80	90	100	110	120	120	60	80
24.5N	40	50	50	60	70	110	130	130	80	140	70	85
23.5N	40	40	40	50	70	170	150	120	100	70	80	80
22.5N	30	40	40	50	70	110	80	80	70	50	60	60
21.5N	40	40	40	40	60	80	75	50	50	40	50	60
20.5N	40	50	50	50	50	50	50	50	70	40	40	50
19.5N	50	50	50	40	50	40	40	50	90	50	40	50
18.5N	40	50	40	40	40	40	40	50	70	50	40	40
17.5N	40	50	40	40	40	40	40	50	80	50	40	40
16.5N	40	40	40	40	40	40	40	50	50	50	40	40
15.5N	40	40	40	40	40	40	40	40	50	50	40	40
14.5N	30	30	40	40	40	40	40	40	40	40	40	40
13.5N	30	30	30	30	40	40	40	40	40	40	40	40
12.5N	30	30	30	30	30	40	40	50	50	40	40	40
11.5N	30	30	30	30	20	40	50	60	50	40	40	40
10.5N	20	30	30	30	20	30	40	50	80	70	40	40
9.5N	20	30	30	30	20	30	30	50	80	70	25	20
8.5N	30	25	20	30	30	20	20	30	25	20	20	50
7.5N	30	20	20	20	30	40	30	30	20	30	30	60
6.5N	20	0	*	*	*	20	20	20	30	60	120	90
5.5N	*	*	*	*	*	*	10	10	30	60	110	70
4.5N	*	*	*	*	*	*	0	0	*	70	40	50
3.5N	*	*	*	*	*	*	*	*	*	*	30	50
2.5N	*	*	*	*	*	*	*	*	*	*	30	50
1.5N	*	*	*	*	*	*	*	*	*	*	40	50
0.5N	*	*	*	*	*	*	*	*	*	0	40	40

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
0.5S	*	*	*	*	*	*	*	*	*	5	20	50
1.5S	*	*	*	*	*	*	*	*	*	5	30	60
2.5S	*	*	*	*	*	*	*	*	*	*	20	30
3.5S	*	*	*	*	*	*	*	*	*	*	*	20
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	10	10	10	16	22	28	34	40	40	40	40	40
71.5S	104	127	150	152	154	156	158	160	164	168	172	176
72.5S	192	221	250	260	270	280	290	300	308	316	324	332
73.5S	250	275	300	318	336	354	372	390	388	386	384	382
74.5S	272	281	290	306	322	338	354	370	372	374	376	378
75.5S	301	310	320	326	332	338	344	350	356	362	368	374
76.5S	308	319	330	334	338	342	346	350	354	358	362	366
77.5S	308	319	330	334	338	342	346	350	354	358	362	366
78.5S	302	311	320	324	328	332	336	340	344	348	352	356
79.5S	296	303	310	314	318	322	326	330	334	338	342	346
80.5S	275	280	286	292	297	302	306	310	314	318	322	326
81.5S	269	273	278	283	288	292	296	300	304	308	312	316
82.5S	263	267	270	274	278	281	284	287	290	293	296	299
83.5S	263	267	270	274	278	280	281	282	283	284	285	286
84.5S	263	267	270	274	278	280	281	282	283	284	285	286
85.5S	257	260	263	266	269	270	271	272	273	274	275	276
86.5S	261	263	265	267	269	270	271	272	273	274	275	276
87.5S	265	266	267	268	269	270	270	270	270	270	270	270
88.5S	266	267	268	269	269	270	270	270	270	270	270	270
89.5S	270	270	270	270	270	270	271	272	273	274	275	276

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	0	4	8	12	16	20	16	12	8	*	0	1
78.5N	0	4	8	12	16	20	16	12	8	4	*	*
77.5N	*	*	0	0	4	10	7	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	0
69.5N	*	*	*	*	*	*	5	17	32	42	47	50
68.5N	*	*	1	9	16	32	57	65	55	47	42	40
67.5N	*	*	*	22	87	112	97	77	52	35	25	20
66.5N	19	51	84	92	77	62	47	35	25	17	12	10
65.5N	44	74	91	90	70	52	37	25	15	6	*	*
64.5N	67	72	57	45	35	27	22	17	12	5	*	*
63.5N	77	75	45	27	22	17	12	7	*	0	3	6
62.5N	95	82	47	27	22	12	*	*	1	9	16	20
61.5N	70	60	40	25	15	6	*	*	*	0	6	12
60.5N	25	24	21	17	12	6	*	*	*	2	7	10
59.5N	17	20	20	17	12	7	2	*	*	*	*	*
58.5N	10	18	19	16	9	*	*	*	*	*	*	1
57.5N	14	20	20	16	9	*	*	*	*	*	*	1
56.5N	4	7	9	6	*	*	*	*	*	1	6	8
55.5N	*	*	*	*	*	*	*	*	*	3	8	12
54.5N	*	*	*	*	*	*	*	1	5	10	17	17
53.5N	8	8	7	7	8	8	9	10	10	12	17	20
52.5N	12	12	17	20	20	20	20	20	20	20	20	20
51.5N	22	20	20	20	20	20	20	20	20	20	20	20
50.5N	40	42	47	52	57	55	45	37	32	30	30	30
49.5N	40	50	40	90	70	70	90	110	120	70	70	60
48.5N	40	40	60	70	40	40	50	75	60	30	40	100
47.5N	100	100	100	70	30	20	20	20	20	20	50	60
46.5N	110	90	70	40	20	20	20	20	20	20	50	50
45.5N	5	5	40	20	20	30	20	20	20	10	50	70

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
44.5N	0	*	*	55	70	55	50	40	20	50	40	30
43.5N	50	5	*	*	10	70	80	80	70	55	60	20
42.5N	25	70	0	*	*	*	5	80	80	70	85	70
41.5N	*	35	50	30	*	*	*	5	40	40	30	40
40.5N	*	*	*	50	15	0	*	0	40	50	40	30
39.5N	*	*	*	*	40	*	*	*	15	50	30	*
38.5N	*	*	*	*	*	*	*	*	*	15	0	0
37.5N	0	20	40	*	*	*	*	*	*	*	20	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	10	20	0	*	*	*	*	*	*	20	15	*
31.5N	45	40	20	5	*	*	*	*	*	20	20	20
30.5N	40	50	30	20	10	5	*	*	5	10	10	10
29.5N	60	60	50	30	20	20	10	10	10	10	10	10
28.5N	50	50	50	50	50	30	20	20	20	10	10	20
27.5N	40	50	50	40	40	50	50	25	20	20	20	20
26.5N	50	50	40	40	40	30	25	20	20	20	20	20
25.5N	60	50	50	40	40	40	30	20	20	25	30	30
24.5N	60	60	50	50	50	50	40	40	40	40	30	40
23.5N	80	70	60	60	60	60	60	60	50	40	35	50
22.5N	70	80	60	60	70	70	70	80	50	40	40	50
21.5N	50	50	50	70	100	120	160	80	50	40	40	50
20.5N	50	40	40	40	80	150	170	80	60	50	50	50
19.5N	40	40	40	40	60	70	90	50	50	50	50	60
18.5N	40	40	40	40	40	40	40	40	40	40	50	60
17.5N	40	40	40	40	40	50	50	40	40	50	50	60
16.5N	40	40	40	50	50	50	50	40	40	50	60	70
15.5N	30	30	40	40	40	40	40	40	40	50	70	80
14.5N	30	20	30	30	40	40	40	40	50	60	70	90
13.5N	30	20	28L	30	40	40	40	40	50	60	80	110
12.5N	30	30	30	30	40	40	40	50	50	60	80	120
11.5N	40	40	40	30	40	40	50	50	50	60	70	70
10.5N	40	50	40	40	40	40	40	40	40	50	50	50
9.5N	30	40	40	40	40	40	40	40	40	50	50	50
8.5N	40	50	40	40	40	40	40	40	50	50	50	50
7.5N	90	100	100	50	50	40	40	40	50	50	50	50
6.5N	80	100	110	100	70	50	50	50	50	50	50	50
5.5N	70	80	90	80	70	50	50	40	50	50	50	50
4.5N	60	75	70	60	50	40	40	50	50	50	50	50
3.5N	60	57	50	50	50	40	40	40	50	50	50	50
2.5N	60	60	50	40	40	40	40	40	40	40	40	40
1.5N	50	50	50	40	40	30	30	40	40	40	40	40
0.5N	40	50	50	40	40	30	30	30	30	40	40	50

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
0.5S	40	40	40	40	40	30	30	40	40	40	50	50
1.5S	80	40	50	50	40	40	40	40	40	40	50	50
2.5S	40	50	60	50	40	40	40	40	40	40	50	50
3.5S	20	60	60	50	50	40	40	40	40	40	40	50
4.5S	30	40	50	50	60	40	40	40	40	50	50	50
5.5S	5	17	60	80	70	50	40	40	50	50	60	70
6.5S	5	25	70	90	80	60	50	50	50	60	70	80
7.5S	*	15	70	90	80	80	70	80	80	80	80	80
8.5S	*	0	70	100	90	80	90	90	80	80	90	90
9.5S	*	10	50	90	90	90	90	100	100	100	100	110
10.5S	*	*	50	100	100	110	110	110	120	120	120	110
11.5S	*	*	80	150	140	140	130	120	120	120	120	120
12.5S	*	*	80	140	140	140	130	130	120	120	120	120
13.5S	*	60	80	120	130	120	120	120	120	110	110	110
14.5S	*	110	110	120	130	120	120	120	110	110	100	90
15.5S	20	130	110	120	120	115	110	110	110	100	90	90
16.5S	80	110	120	110	120	110	100	90	100	100	90	90
17.5S	90	100	100	110	110	120	90	90	90	90	90	90
18.5S	30	110	120	110	110	120	110	90	80	80	80	80
19.5S	*	70	100	120	120	150	130	90	90	80	80	80
20.5S	*	10	100	130	150	130	110	90	80	90	80	80
21.5S	*	*	110	150	170	180	175	110	100	100	90	80
22.5S	*	*	0	115	200	220	190	130	110	90	90	80
23.5S	*	*	0	110	210	160	150	110	90	80	80	80
24.5S	*	*	*	125	170	170	150	100	90	80	80	80
25.5S	*	*	*	99	180	178	150	110	90	80	70	80
26.5S	*	*	*	40	160	130	150	115	80	70	80	80
27.5S	*	*	*	20	130	100	140	100	80	70	80	110
28.5S	*	*	*	*	20	30	75	65	70	70	100	110
29.5S	*	*	*	*	*	50	90	100	80	60	80	80
30.5S	*	*	*	*	*	50	90	80	80	80	90	90
31.5S	*	*	*	*	*	*	20	80	110	110	120	115
32.5S	*	*	*	*	*	*	20	80	100	90	90	80
33.5S	*	*	*	*	*	*	10	77	80	40	70	90
34.5S	*	*	*	*	*	*	*	10	10	0	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	40	40	40	40	40	40	36	32	28	24	20	24
71.5S	180	174	168	162	156	150	136	122	108	94	80	94
72.5S	340	328	316	304	292	280	274	268	262	256	250	254
73.5S	380	380	380	380	380	380	380	380	380	380	380	374
74.5S	380	380	380	380	380	380	380	380	380	380	380	378
75.5S	380	380	380	380	380	380	380	380	380	380	380	378
76.5S	370	370	370	370	370	370	372	374	376	378	380	378
77.5S	370	370	370	370	370	370	370	370	370	370	370	370
78.5S	360	360	360	360	360	360	362	364	366	368	370	370
79.5S	350	350	350	350	350	350	352	354	356	358	360	362
80.5S	330	334	338	341	343	345	347	349	351	353	355	357
81.5S	320	324	328	331	333	335	337	339	341	343	345	347
82.5S	302	305	308	311	313	315	317	319	321	323	325	327
83.5S	287	288	289	291	294	297	300	303	306	309	312	315
84.5S	287	288	289	290	291	292	293	294	295	296	297	298
85.5S	277	278	279	280	281	282	283	284	285	286	287	288
86.5S	277	278	279	280	281	282	283	284	285	286	287	288
87.5S	270	270	270	270	271	272	273	274	275	276	277	278
88.5S	270	270	270	270	271	272	273	274	275	276	277	278
89.5S	277	278	279	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	2	4	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	0	0	5	10	4	*	*	*	*	*	*	*
69.5N	50	45	35	24	13	8	9	5	*	*	*	*
68.5N	40	39	36	36	39	37	32	25	15	10	10	9
67.5N	20	20	20	25	35	40	40	35	25	20	20	17
66.5N	10	12	17	20	20	17	12	9	6	2	*	0
65.5N	1	4	8	10	10	12	17	17	12	6	*	*
64.5N	4	8	9	12	17	20	20	17	12	8	5	2
63.5N	9	12	17	20	20	20	20	20	20	17	12	10
62.5N	20	20	20	17	12	12	17	20	20	17	12	12
61.5N	17	17	12	10	9	10	13	16	19	16	9	6
60.5N	9	7	3	1	2	4	6	7	9	10	10	10
59.5N	*	*	0	2	3	5	8	1L	17	20	20	17
58.5N	4	5	6	7	8	7	1L	1L	15	20	20	3L
57.5N	5	7	8	9	10	12	17	20	20	20	20	20
56.5N	9	12	17	20	20	20	20	20	20	20	20	20
55.5N	17	20	20	20	20	20	20	20	20	20	20	20
54.5N	12	12	17	20	20	20	20	20	20	20	20	20
53.5N	20	20	20	20	20	20	20	20	20	20	20	20
52.5N	20	20	20	20	20	20	20	20	20	20	20	20
51.5N	20	20	20	20	20	20	20	20	20	20	20	20
50.5N	30	27	22	20	20	20	20	20	20	20	20	20
49.5N	40	50	50	50	30	20	20	20	10	10	10	20
48.5N	110	40	30	30	30	20	20	20	20	20	20	10
47.5N	130	150	40	30	20	20	20	20	20	20	10	20
46.5N	40	60	60	20	20	10	0	*	0	0	0	*
45.5N	60	80	80	20	20	0	*	*	*	5	10	0

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5
44.5N	20	20	20	20	10	*	*	*	*	*	*	*
43.5N	20	20	30	20	*	*	*	*	*	*	*	*
42.5N	60	50	20	*	*	*	*	*	*	*	*	*
41.5N	80	50	20	40	*	*	*	*	25	70	80	35
40.5N	*	*	0	*	*	30	40	90	100	90	70	70
39.5N	*	*	15	25	40	80	90	70	80	90	100	110
38.5N	*	*	0	25	40	70	100	80	90	90	110	170
37.5N	*	*	*	35	60	100	90	100	120	100	150	110
36.5N	*	*	*	*	*	30	0	*	60	50	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	50
32.5N	*	*	*	*	*	*	*	*	*	*	*	35
31.5N	10	0	*	*	*	*	*	*	*	*	15	50
30.5N	10	20	20	20	10	10	10	10	20	30	40	90
29.5N	10	20	20	20	20	20	20	20	30	70	40	130
28.5N	20	20	20	20	20	30	20	40	60	40	40	150
27.5N	20	20	20	20	35	30	20	25	80	25	*	0
26.5N	30	30	25	40	60	35	25	20	30	60	*	*
25.5N	40	40	40	45	50	50	40	35	20	60	10	*
24.5N	40	50	50	45	40	40	50	40	20	40	80	*
23.5N	50	50	50	50	40	40	50	45	23	40	60	20
22.5N	50	60	50	50	40	40	50	40	20	45	55	55
21.5N	50	60	50	50	40	40	30	35	40	50	50	70
20.5N	50	60	50	50	40	40	20	40	50	50	50	80
19.5N	60	60	60	50	50	40	30	40	40	40	50	50
18.5N	60	70	60	50	50	40	40	30	40	40	50	50
17.5N	70	70	70	50	50	50	40	40	40	40	40	40
16.5N	70	80	70	60	50	50	50	50	40	40	40	40
15.5N	80	90	80	70	60	60	50	50	40	40	50	50
14.5N	100	100	90	70	60	60	50	40	40	40	50	50
13.5N	150	90	80	60	60	60	50	40	40	40	50	60
12.5N	130	80	70	55	60	60	60	50	50	40	50	50
11.5N	70	50	50	50	50	60	70	65	50	40	50	90
10.5N	50	50	40	40	40	50	50	50	40	50	70	130
9.5N	50	50	50	50	50	50	40	50	40	50	110	160
8.5N	50	50	50	50	50	50	40	40	40	50	75	130
7.5N	60	50	50	50	50	50	40	40	50	50	60	190
6.5N	60	50	50	50	50	50	50	50	50	50	70	130
5.5N	50	50	50	60	50	50	50	50	50	50	80	80
4.5N	50	60	65	70	70	70	70	50	80	80	80	70
3.5N	50	50	60	70	80	90	90	80	90	100	100	50
2.5N	50	50	60	80	90	100	110	90	100	100	110	80
1.5N	50	50	50	70	80	90	100	90	110	120	140	130
0.5N	40	50	50	70	90	100	210	120	120	120	130	150

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5
0.5S	50	50	50	80	110	110	110	110	113L	113L	130	220
1.5S	50	50	50	80	170	230	130	110	113L	113L	140	200
2.5S	50	60	60	80	100	150	120	110	113L	110	120	150
3.5S	60	60	70	80	100	100	110	120	130	130	130	140
4.5S	60	70	70	80	90	90	100	110	130	140	150	190
5.5S	80	70	80	80	90	77L	100	110	120	140	130	150
6.5S	90	80	80	80	90	90	90	110	120	120	120	100
7.5S	90	90	80	90	90	100	100	110	110	110	100	110
8.5S	100	100	90	100	90	90	90	110	90	120	130	120
9.5S	100	90	90	90	90	90	100	110	110	120	160	80
10.5S	110	110	100	90	90	100	110	100	90	150	47L	90
11.5S	120	120	120	120	110	110	110	100	90	110	47L	70
12.5S	120	120	130	120	120	110	110	80	80	100	47L	90
13.5S	110	130	130	120	120	110	100	70	100	110	47L	90
14.5S	110	110	120	110	110	100	70	80	100	120	110	80
15.5S	100	110	110	110	100	90	50	65	55	70	90	70
16.5S	100	100	110	100	90	90	70	100	50	20	20	30
17.5S	90	90	100	89	80	90	90	100	60	20	10	20
18.5S	80	80	90	90	80	90	100	110	100	30	30	5
19.5S	80	80	80	90	90	110	110	90	90	30	5	*
20.5S	80	80	90	100	100	80	74	50	40	30	5	*
21.5S	80	80	80	80	70	50	40	40	30	20	20	*
22.5S	80	80	70	60	50	40	40	30	30	30	20	*
23.5S	80	80	80	80	90	100	40	40	30	20	20	*
24.5S	90	90	80	90	90	90	100	40	20	20	5	*
25.5S	90	100	100	100	100	140	200	50	0	*	*	*
26.5S	90	100	110	120	120	130	110	70	5	*	*	*
27.5S	110	110	120	130	140	160	150	65	*	*	*	*
28.5S	90	100	130	150	170	180	80	50	*	*	*	*
29.5S	90	120	155	185	250	210	70	*	*	*	*	*
30.5S	100	110	140	170	190	120	*	*	*	*	*	*
31.5S	140	105	165	140	120	0	*	*	*	*	*	*
32.5S	90	90	110	70	*	*	*	*	*	*	*	*
33.5S	40	30	20	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	10	10	15	25	25
70.5S	28	32	36	40	50	60	70	80	90	94	98	102
71.5S	108	122	136	150	150	150	150	150	150	162	174	186
72.5S	258	262	266	270	266	262	258	254	250	252	254	256
73.5S	368	362	356	350	340	330	320	310	300	302	304	306
74.5S	376	374	372	370	368	366	364	362	360	360	360	360
75.5S	376	374	372	370	368	366	364	362	360	360	360	360
76.5S	376	374	372	370	370	370	370	370	370	368	366	364
77.5S	370	370	370	370	370	370	370	370	370	368	366	364
78.5S	370	370	370	370	370	370	370	370	370	368	366	364
79.5S	364	366	368	370	370	370	370	370	370	368	366	364
80.5S	359	360	361	362	363	364	365	366	367	368	369	369
81.5S	349	350	351	352	353	354	355	356	357	358	359	360
82.5S	329	331	334	337	340	343	346	349	352	355	358	360
83.5S	318	321	324	327	330	333	336	339	342	345	348	350
84.5S	299	301	304	307	310	313	316	319	322	325	328	331
85.5S	289	290	291	292	293	294	295	296	297	298	299	301
86.5S	289	290	290	290	290	290	290	290	290	290	290	290
87.5S	279	280	280	280	280	280	280	280	280	280	280	280
88.5S	279	280	280	280	280	280	280	280	280	280	280	280
89.5S	280	280	280	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	7	3	*	*	*	*	*	*	*	*	*	*
67.5N	12	9	8	7	6	5	5	4	3	2	*	*
66.5N	4	7	7	6	6	6	5	5	4	4	4	5
65.5N	*	*	*	*	2	5	5	5	4	5	7	11
64.5N	1	1	2	3	3	4	5	6	7	8	9	12
63.5N	10	10	10	10	10	10	10	10	10	10	10	12
62.5N	17	20	20	20	20	20	20	20	20	20	20	20
61.5N	9	12	17	20	20	20	20	20	20	20	20	20
60.5N	10	12	17	20	20	20	20	20	20	20	20	20
59.5N	12	12	17	20	20	20	20	20	20	20	20	20
58.5N	20	20	20	20	20	20	20	17	12	12	17	20
57.5N	20	20	20	20	20	17	12	10	10	12	17	20
56.5N	20	20	20	17	12	10	10	12	17	20	20	20
55.5N	20	20	20	20	20	20	20	20	20	20	20	20
54.5N	20	20	20	20	20	20	20	20	20	20	20	20
53.5N	20	20	20	20	20	20	20	20	20	20	20	20
52.5N	20	20	20	20	20	20	20	20	20	20	20	20
51.5N	20	20	20	20	20	20	20	20	20	20	20	20
50.5N	20	20	20	20	20	20	20	20	20	20	20	20
49.5N	20	20	20	20	20	20	20	20	20	20	20	10
48.5N	20	20	20	20	20	20	20	20	10	10	10	0
47.5N	20	20	20	20	20	20	10	10	10	10	-1	-1
46.5N	*	*	0	8	10	10	20	20	10	0	-1	-2
45.5N	*	0	12	10	20	20	20	20	10	10	-1	-3L

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5
44.5N	*	*	*	50	100	110	90	40	20	10	-2	-3L
43.5N	*	*	*	*	50	350	290	110	45	20	20	-3L
42.5N	*	*	*	*	*	0	60	140	170	220	180	90
41.5N	*	*	*	*	*	0	210	210	80	50	45	200
40.5N	70	100	120	140	210	200	220	190	200	230	110	20
39.5N	130	140	130	160	200	230	250	370	170	210	170	70
38.5N	160	140	110	110	130	180	130	180	220	140	160	210
37.5N	60	70	60	70	80	60	100	190	250	150	210	180
36.5N	40	40	40	50	40	50	40	70	110	180	190	180
35.5N	40	40	50	45	25	30	30	20	60	80	190	230
34.5N	80	60	50	40	30	30	20	20	20	50	140	190
33.5N	70	60	60	50	50	50	20	20	20	30	90	130
32.5N	80	80	70	70	50	50	40	20	20	20	20	20
31.5N	80	80	75	60	50	50	50	40	20	20	20	20
30.5N	100	90	80	70	60	60	50	40	30	20	20	5
29.5N	100	100	90	80	70	60	60	50	40	30	30	10
28.5N	100	80	90	80	70	70	70	60	50	50	40	30
27.5N	160	90	90	70	70	90	80	70	60	60	50	40
26.5N	10	110	85	70	70	80	80	75	70	65	50	50
25.5N	*	80	80	60	70	70	90	85	85	85	70	60
24.5N	*	10	70	60	70	100	100	90	100	100	80	60
23.5N	*	*	0	50	70	110	120	100	100	90	80	60
22.5N	*	*	*	50	70	105	160	140	85	80	75	70
21.5N	70	*	*	40	100	200	110	90	85	80	80	75
20.5N	70	*	*	*	60	170	100	90	85	80	75	75
19.5N	80	*	*	*	*	50	150	100	90	85	80	75
18.5N	70	20	*	*	*	50	100	120	100	90	80	75
17.5N	50	40	50	*	*	*	40	100	90	90	80	75
16.5N	50	80	80	*	*	*	20	80	100	90	80	70
15.5N	50	75	110	20	*	*	0	80	180	85	75	70
14.5N	60	80	120	150	20	0	*	70	190	150	150	80
13.5N	70	100	210	170	40	50	0	80	110	80	0	*
12.5N	120	190	180	180	40	30	40	*	*	*	*	*
11.5N	160	200	200	190	80	30	20	*	*	*	*	*
10.5N	140	250	210	210	80	50	70	50	*	3	40	110
9.5N	170	190	210	200	80	100	130	110	100	100	80	80
8.5N	180	190	220	140	150	110	105	110	90	80	70	70
7.5N	190	190	180	190	170	100	80	90	80	70	50	40
6.5N	150	170	180	260	160	85	55	70	60	50	40	20
5.5N	90	120	170	120	80	60	70	50	40	40	20	10
4.5N	60	100	120	90	90	50	30	45	40	20	20	0
3.5N	50	80	80	90	70	50	20	40	30	10	10	*
2.5N	50	70	60	50	50	30	20	25	10	*	*	*
1.5N	90	90	50	40	30	20	20	10	*	*	*	*
0.5N	110	100	50	30	20	20	10	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5
0.5S	230	160	75	20	10	7	*	*	*	*	*	*
1.5S	140	120	90	23	10	*	*	*	*	*	*	*
2.5S	140	140	60	23	*	*	*	*	*	*	*	*
3.5S	150	150	98	10	*	*	*	*	*	*	*	*
4.5S	130	90	100	0	*	*	*	*	*	*	*	*
5.5S	120	100	30	*	*	*	*	*	*	*	*	*
6.5S	90	40	20	*	*	*	*	*	*	*	*	*
7.5S	80	30	10	*	*	*	*	*	*	*	*	*
8.5S	50	30	30	*	*	*	*	*	*	*	*	*
9.5S	50	40	30	*	*	*	*	*	*	*	*	*
10.5S	80	55	40	30	*	*	*	*	*	*	*	*
11.5S	50	30	20	20	*	*	*	*	*	*	*	*
12.5S	80	40	40	20	*	*	*	*	*	*	*	*
13.5S	50	50	48	20	*	*	*	*	*	*	*	*
14.5S	55	50	30	30	0	*	*	*	*	*	*	*
15.5S	70	50	33	20	*	*	*	*	*	*	*	10
16.5S	30	30	20	*	*	*	*	*	0	10	20	30
17.5S	20	*	*	*	*	*	*	*	10	50	50	69
18.5S	*	*	*	*	*	*	*	*	20	70	90	110
19.5S	*	*	*	*	*	*	*	*	0	40	80	140
20.5S	*	*	*	*	*	*	*	*	8	30	100	110
21.5S	*	*	*	*	*	*	*	*	28	40	90	55
22.5S	*	*	*	*	*	*	*	5	50	70	80	20
23.5S	*	*	*	*	*	*	*	*	50	60	80	0
24.5S	*	*	*	*	*	*	*	*	35	50	50	*
25.5S	*	*	*	*	*	*	*	*	*	0	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	0	12
8.5S	*	*	*	*	*	0	62	110	130	142	147	150
9.5S	15	*	*	7	82	130	150	167	182	197	212	222
70.5S	106	110	128	146	164	182	200	212	224	236	248	260
71.5S	198	210	220	230	240	250	260	268	276	284	292	300
72.5S	258	260	268	276	284	292	300	302	304	306	308	310
73.5S	308	310	314	318	322	326	330	328	326	324	322	320
74.5S	360	360	356	352	348	344	340	336	332	328	324	320
75.5S	360	360	356	352	348	344	340	336	332	328	324	320
76.5S	362	360	358	356	354	352	350	346	342	338	334	330
77.5S	362	360	358	356	354	352	350	348	346	344	342	340
78.5S	362	360	358	356	354	352	350	348	346	344	342	340
79.5S	362	360	360	360	360	360	360	358	356	354	352	350
80.5S	368	367	366	365	364	363	362	361	360	360	360	360
81.5S	361	362	363	364	365	366	367	368	369	370	371	372
82.5S	361	362	363	364	365	366	367	368	369	370	370	370
83.5S	351	352	353	354	355	356	357	358	359	360	361	362
84.5S	333	335	337	339	341	343	345	347	349	350	351	352
85.5S	303	305	307	309	311	313	315	317	319	320	321	322
86.5S	290	290	290	290	290	290	290	290	290	290	291	292
87.5S	281	282	283	284	285	286	287	288	289	290	290	290
88.5S	280	280	280	280	280	280	280	280	280	280	281	282
89.5S	280	280	280	280	280	280	280	280	280	280	281	282

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.5	56.5	57.5	58.5	59.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	0	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	0	0
74.5N	*	*	*	*	*	*	*	4	12	20	12	*
73.5N	*	*	*	*	*	*	2	8	14	20	*	*
72.5N	*	*	*	*	*	0	0	*	*	*	*	*
71.5N	*	*	*	*	0	0	0	0	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	0	1	2	2	3	4	6	7	8
67.5N	2	5	7	7	6	6	8	9	9	9	10	10
66.5N	8	10	10	10	10	10	10	10	10	12	17	20
65.5N	17	20	20	20	20	20	20	20	20	20	20	25
64.5N	17	20	20	20	20	20	20	20	20	25	35	40
63.5N	17	20	20	20	20	20	20	20	20	30	50	50
62.5N	20	20	20	20	20	20	20	20	20	25	35	35
61.5N	20	20	20	20	20	20	20	20	20	25	35	37
60.5N	20	20	20	20	20	20	20	20	20	25	35	35
59.5N	20	20	20	20	20	20	20	20	20	27	42	42
58.5N	20	20	20	20	20	20	20	20	20	27	42	42
57.5N	20	20	20	20	20	20	20	20	20	27	42	45
56.5N	20	20	20	20	20	20	20	20	20	25	35	37
55.5N	20	20	20	20	20	20	20	20	20	27	42	45
54.5N	20	20	20	20	20	20	20	21	24	34	51	52
53.5N	20	20	20	20	20	20	20	22	27	35	45	47
52.5N	20	20	20	20	20	20	20	22	27	32	37	40
51.5N	20	20	20	20	20	20	20	20	20	22	27	32
50.5N	20	20	20	20	20	20	20	20	20	20	20	20
49.5N	10	10	10	10	10	20	20	20	20	20	20	20
48.5N	10	0	-1	-1	-2	10	20	20	20	20	20	20
47.5N	-1	-1	-2	-2	-2	-1	10	20	20	20	20	20
46.5N	-2	-3L	-3L	-3L	-3L	-2	-1	20	20	20	20	10
45.5N	-3L	-3L	-3L	-3L	-3L	-3	-2	20	20	20	10	6L

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.5	56.5	57.5	58.5	59.5
44.5N	-3L	-3L	-3L	10	10	20	20	30	20	20	6L	6L
43.5N	-3L	-3L	-3L	10	15	20	20	20	20	20	10	7
42.5N	-3L	-3L	-3L	-3L	-3L	20	20	20	20	20	10	8
41.5N	90	-3L	-3L	-3L	-3L	-3L	20	20	20	20	20	10
40.5N	30	20	-3L	-3L	-3L	20	20	20	20	20	20	10
39.5N	30	-3L	-3L	-3L	-3L	-3L	20	20	20	20	20	20
38.5N	120	-3L	-3L	-3L	-3L	-3L	20	30	100	110	40	20
37.5N	180	-3L	-3L	-3L	-3L	-3L	20	120	160	180	200	60
36.5N	210	130	240	250	60	150	140	120	100	130	150	140
35.5N	220	210	130	150	130	100	90	80	90	110	140	150
34.5N	200	210	160	80	80	70	70	70	70	95	130	100
33.5N	180	240	230	220	170	130	110	90	100	120	150	200
32.5N	30	135	260	200	190	180	170	140	140	90	110	150
31.5N	20	50	190	250	220	180	190	170	190	70	90	110
30.5N	5	10	50	210	220	230	190	210	180	100	40	70
29.5N	*	*	10	80	170	150	200	160	250	190	55	90
28.5N	2	*	*	10	80	130	150	150	150	120	120	110
27.5N	30	*	*	*	4	90	70	50	30	40	30	40
26.5N	40	10	*	*	*	*	5	0	*	70	80	90
25.5N	50	20	0	0	*	*	*	5	0	*	*	*
24.5N	50	40	20	2	*	*	2	50	5	*	*	*
23.5N	50	50	40	30	30	30	30	50	60	60	20	*
22.5N	50	50	50	50	50	50	40	40	40	40	50	0
21.5N	70	65	60	60	50	50	50	50	40	30	30	*
20.5N	70	60	60	60	60	50	50	50	40	20	*	*
19.5N	60	60	60	60	50	50	50	50	40	0	*	*
18.5N	60	60	50	50	50	50	50	40	10	*	*	*
17.5N	60	50	50	50	50	50	50	*	*	*	*	*
16.5N	60	50	50	50	0	*	*	*	*	*	*	*
15.5N	70	70	40	20	*	*	*	*	*	*	*	*
14.5N	50	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	90	60	30	*	*	*	*	*	*	*	*	*
9.5N	80	60	20	*	*	*	*	*	*	*	*	*
8.5N	50	40	*	*	*	*	*	*	*	*	*	*
7.5N	40	0	*	*	*	*	*	*	*	*	*	*
6.5N	10	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.5	56.5	57.5	58.5	59.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	1	70	*	*	*	*	*	*	*	*	*	*
14.5S	60	80	*	*	*	*	*	*	*	*	*	*
15.5S	29	30	*	*	*	*	*	*	*	*	*	*
16.5S	80	25	*	*	*	*	*	*	*	*	*	*
17.5S	70	*	*	*	*	*	*	*	*	*	*	*
18.5S	70	*	*	*	*	*	*	*	*	*	*	*
19.5S	30	*	*	*	*	*	*	*	*	*	*	*
20.5S	20	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.5	56.5	57.5	58.5	59.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	17	67	102	115	105	67	2	*	*	*
67.5S	17	35	65	95	125	135	125	115	105	87	62	42
68.5S	150	162	187	205	215	220	220	215	205	200	200	192
69.5S	227	235	245	252	257	260	260	260	260	257	252	242
70.5S	266	272	278	284	290	288	286	284	282	280	268	256
71.5S	302	304	306	308	310	302	294	286	278	270	256	242
72.5S	306	302	298	294	290	282	274	266	258	250	238	226
73.5S	312	304	296	288	280	270	260	250	240	230	224	218
74.5S	314	308	302	296	290	278	266	254	242	230	220	210
75.5S	316	312	308	304	300	294	288	282	276	270	260	250
76.5S	328	326	324	322	320	314	308	302	296	290	280	270
77.5S	336	332	328	324	320	312	304	296	288	280	274	268
78.5S	334	328	322	316	310	304	298	292	286	280	286	292
79.5S	346	342	338	334	330	328	326	324	322	320	322	324
80.5S	360	360	360	360	360	360	360	360	360	360	360	360
81.5S	373	374	375	376	377	378	379	380	380	380	380	380
82.5S	370	370	370	370	370	370	370	371	374	377	380	383
83.5S	363	364	365	366	367	368	369	370	371	372	373	374
84.5S	353	354	355	356	357	358	359	360	360	360	360	360
85.5S	323	324	325	326	327	328	329	330	331	332	333	334
86.5S	293	294	295	296	297	298	299	300	301	302	303	304
87.5S	290	290	290	290	290	290	290	290	290	290	290	290
88.5S	283	284	285	286	287	288	289	290	290	290	290	290
89.5S	283	284	285	286	287	288	289	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	60.5	61.5	62.5	63.5	64.5	65.5	66.5	67.5	68.5	69.5	70.5	71.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	0	0	0	*	*	*
75.5N	4	12	20	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	0	0	2
71.5N	*	*	*	*	*	*	*	*	0	1	3	4
70.5N	*	*	*	*	*	*	*	*	0	0	1	3
69.5N	6	10	10	8	5	2	*	*	2	4	4	4
68.5N	9	12	17	20	20	17	12	9	6	5	4	3
67.5N	10	12	17	25	35	37	32	25	15	9	7	6
66.5N	20	25	35	40	40	32	17	9	8	7	4	3
65.5N	35	40	40	35	25	17	12	9	8	7	6	5
64.5N	40	35	25	17	12	10	10	9	8	8	7	7
63.5N	30	20	20	17	12	10	10	10	10	10	9	9
62.5N	25	20	20	17	12	10	10	10	10	10	10	10
61.5N	32	27	22	20	20	17	12	10	10	10	10	10
60.5N	25	20	20	20	20	20	20	17	12	10	10	10
59.5N	27	20	20	20	20	20	20	17	12	10	10	10
58.5N	27	20	20	20	20	20	20	20	20	20	20	20
57.5N	35	27	22	20	20	20	20	20	20	20	20	20
56.5N	32	27	22	20	20	20	20	20	20	20	20	20
55.5N	35	27	22	20	20	20	20	20	20	20	20	20
54.5N	37	27	22	20	20	20	20	20	20	20	20	20
53.5N	42	35	25	20	20	20	20	20	20	20	20	20
52.5N	40	35	25	20	20	20	20	22	27	30	30	27
51.5N	37	37	32	27	22	22	27	30	30	30	30	32
50.5N	20	20	20	20	20	22	27	30	30	32	37	42
49.5N	20	20	20	20	20	20	30	50	45	40	40	40
48.5N	20	20	20	20	20	20	30	40	45	40	40	40
47.5N	20	20	20	20	20	20	20	30	35	30	40	50
46.5N	4	5	8	10	10	10	20	20	20	20	20	20
45.5N	6L	7	8	10	10	20	20	20	20	20	20	23

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	60.5	61.5	62.5	63.5	64.5	65.5	66.5	67.5	68.5	69.5	70.5	71.5
44.5N	6L	10	8	10	10	20	20	20	20	20	20	20
43.5N	9	9	10	10	10	20	20	20	30	70	50	40
42.5N	9	10	10	20	20	20	20	20	20	30	110	100
41.5N	10	20	20	20	20	20	20	20	20	65	200	220
40.5N	10	20	20	20	30	50	70	90	110	100	90	80
39.5N	20	20	20	20	20	20	50	220	290	320	320	390
38.5N	20	20	20	20	20	20	55	100	100	110	200	300
37.5N	20	20	20	20	20	20	30	30	40	90	200	280
36.5N	90	30	30	60	60	60	60	140	120	260	320	330
35.5N	140	80	50	100	180	230	260	260	240	310	390	280
34.5N	90	100	150	210	260	290	310	310	290	260	190	100
33.5N	90	130	180	250	290	300	290	300	280	290	150	70
32.5N	120	90	100	160	150	180	250	250	230	230	90	30
31.5N	90	40	50	75	90	100	160	220	200	190	40	20
30.5N	110	40	60	80	100	110	140	200	180	150	50	20
29.5N	160	60	75	150	140	150	200	75	80	100	25	20
28.5N	130	150	60	60	90	140	200	60	20	18	20	20
27.5N	60	140	130	90	100	170	140	30	20	20	20	20
26.5N	90	90	90	90	100	80	80	25	10	20	20	30
25.5N	0	10	10	10	10	10	10	40	10	10	20	20
24.5N	*	*	*	*	*	*	*	50	10	10	10	10
23.5N	*	*	*	*	*	*	*	*	0	30	7	0
22.5N	*	*	*	*	*	*	*	*	*	0	20	20
21.5N	*	*	*	*	*	*	*	*	*	0	10	10
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	60.5	61.5	62.5	63.5	64.5	65.5	66.5	67.5	68.5	69.5	70.5	71.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	60.5	61.5	62.5	63.5	64.5	65.5	66.5	67.5	68.5	69.5	70.5	71.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	10	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	27	20	20	17	12	10	10	*	*	*	*	*
68.5S	177	165	155	145	135	120	100	82	67	46	19	*
69.5S	227	217	212	205	195	167	122	77	32	10	10	10
70.5S	244	232	220	186	152	118	84	50	54	58	62	66
71.5S	228	214	200	170	140	110	80	50	60	70	80	90
72.5S	214	202	190	166	142	118	94	70	80	90	100	110
73.5S	212	206	200	180	160	140	120	100	124	148	172	196
74.5S	200	190	180	172	164	156	148	140	162	184	206	228
75.5S	240	230	220	212	204	196	188	180	194	208	222	236
76.5S	260	250	240	240	240	240	240	240	246	252	258	264
77.5S	262	256	250	252	254	256	258	260	274	288	302	316
78.5S	298	304	310	312	314	316	318	320	324	328	332	336
79.5S	326	328	330	336	342	348	354	360	362	364	366	368
80.5S	360	360	360	360	360	362	366	370	374	378	382	386
81.5S	380	380	380	380	380	381	383	385	387	389	391	393
82.5S	386	389	392	395	398	399	398	397	396	395	394	393
83.5S	375	376	377	378	379	379	378	377	376	375	374	373
84.5S	360	360	360	360	360	360	360	360	360	360	360	360
85.5S	335	336	337	338	339	339	338	337	336	335	334	333
86.5S	305	306	307	308	309	310	311	312	313	314	315	316
87.5S	290	290	290	290	290	290	290	290	290	290	290	290
88.5S	290	290	290	290	290	290	290	290	290	290	290	290
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	0	3	5	8	8
72.5N	4	5	5	6	6	7	8	8	9	9	10	10
71.5N	6	6	6	6	6	6	7	7	8	8	9	9
70.5N	5	6	6	7	7	8	8	8	9	9	9	9
69.5N	4	4	4	4	5	5	6	7	8	9	10	10
68.5N	2	2	1	1	1	3	6	8	9	10	10	12
67.5N	5	4	3	3	4	4	4	5	7	8	9	12
66.5N	3	3	4	5	6	7	8	9	10	10	10	12
65.5N	5	5	6	6	7	8	9	10	10	10	10	10
64.5N	7	7	7	7	8	8	9	9	10	10	10	12
63.5N	9	9	9	9	10	10	10	10	10	10	10	12
62.5N	10	10	10	10	10	10	10	10	10	12	17	20
61.5N	10	10	10	10	10	10	10	10	10	12	17	20
60.5N	10	10	10	10	10	10	10	10	10	12	17	20
59.5N	10	10	10	12	17	20	20	20	20	20	20	20
58.5N	20	20	20	20	20	20	20	20	20	20	20	20
57.5N	20	20	20	20	20	20	20	20	20	20	20	20
56.5N	20	20	20	20	20	20	20	20	20	20	20	20
55.5N	20	20	20	20	20	20	20	20	20	20	20	20
54.5N	20	20	20	20	20	20	20	20	20	20	20	22
53.5N	20	20	20	20	20	20	20	20	20	20	20	20
52.5N	22	20	20	20	20	20	20	20	20	20	20	22
51.5N	37	37	32	27	22	20	20	20	20	25	35	50
50.5N	47	50	50	47	42	35	25	22	27	37	52	80
49.5N	40	50	70	80	70	60	50	40	40	50	40	60
48.5N	40	50	80	90	80	50	50	50	60	50	40	50
47.5N	50	40	40	40	50	50	50	40	40	70	80	90
46.5N	30	30	30	30	30	35	35	40	40	40	50	60
45.5N	35	45	40	30	30	40	70	110	120	90	70	70

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5
44.5N	20	50	27L	60	40	50	80	160	200	17C	180	140
43.5N	35	40	80	100	100	90	90	170	160	130	170	290
42.5N	200	280	310	240	200	200	350	560	610	570	430	370
41.5N	200	200	230	280	320	400	420	390	380	280	120	90
40.5N	110	230	320	310	250	200	200	190	160	110	90	85
39.5N	400	400	370	230	190	180	170	160	150	130	120	110
38.5N	390	420	570	500	200	190	180	160	160	160	140	130
37.5N	400	430	440	400	250	170	200	185	170	170	170	180
36.5N	310	350	330	540	370	380	410	330	230	260	390	430
35.5N	380	260	210	440	630	560	450	440	480	500	510	520
34.5N	170	230	250	370	370	440	490	490	460	500	510	520
33.5N	40	90	210	220	400	390	430	460	440	440	510	520
32.5N	40	30	30	50	210	320	430	440	480	490	480	490
31.5N	20	20	20	30	50	270	380	460	490	500	500	500
30.5N	20	20	20	30	40	90	150	360	410	570	510	480
29.5N	20	20	20	30	30	40	50	120	200	220	500	650
28.5N	20	20	30	40	40	20	20	20	20	70	240	290
27.5N	30	30	40	50	30	20	20	20	20	20	30	40
26.5N	20	40	50	40	30	20	20	20	20	20	20	20
25.5N	30	50	50	40	30	40	30	20	20	20	20	20
24.5N	30	50	50	40	50	50	40	30	30	30	30	30
23.5N	20	20	50	50	50	50	40	40	40	50	50	50
22.5N	10	20	30	30	30	40	70	40	40	5C	30	40
21.5N	5	20	50	40	30	50	40	30	30	30	30	20
20.5N	*	40	40	50	40	40	30	30	40	50	40	35
19.5N	*	40	50	50	40	40	30	30	35	80	80	90
18.5N	*	60	50	50	40	40	40	40	25	60	60	40
17.5N	*	50	60	50	40	50	60	40	25	20	50	*
16.5N	*	10	60	50	40	40	40	35	20	50	*	*
15.5N	*	*	50	50	40	40	50	30	*	*	*	*
14.5N	*	*	30	60	40	50	40	30	*	*	*	*
13.5N	*	*	0	100	70	90	70	40	*	*	*	*
12.5N	*	*	*	50	60	70	50	20	*	*	*	*
11.5N	*	*	*	0	110	30	50	10	*	*	*	*
10.5N	*	*	*	*	50	70	25	10	*	*	*	*
9.5N	*	*	*	*	10	60	10	*	*	*	*	*
8.5N	*	*	*	*	*	50	*	*	30	*	*	*
7.5N	*	*	*	*	*	*	*	*	50	0	*	*
6.5N	*	*	*	*	*	*	*	*	80	C	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	5
67.5S	*	*	*	*	*	*	*	*	*	*	27	57
68.5S	*	*	*	*	*	*	25	67	102	125	135	147
69.5S	10	10	10	22	47	85	135	165	175	187	202	212
70.5S	70	92	114	136	158	180	194	208	222	236	250	254
71.5S	100	126	152	178	204	230	242	254	266	278	290	294
72.5S	120	150	180	210	240	270	278	286	294	302	310	312
73.5S	220	236	252	268	284	300	304	308	312	316	320	322
74.5S	250	262	274	286	298	310	314	318	322	326	330	332
75.5S	250	264	278	292	306	320	322	324	326	328	330	332
76.5S	270	280	290	300	310	320	324	328	332	336	340	342
77.5S	330	332	334	336	338	340	340	340	340	340	340	344
78.5S	340	342	344	346	348	350	352	354	356	358	360	362
79.5S	370	372	374	376	378	380	380	380	380	380	380	380
80.5S	390	394	398	399	398	397	396	395	394	393	392	391
81.5S	395	397	399	399	398	397	396	395	394	393	392	391
82.5S	392	391	390	389	387	385	383	381	379	377	375	373
83.5S	372	371	370	369	368	367	366	365	364	363	362	361
84.5S	360	360	360	359	357	355	353	351	349	347	345	343
85.5S	332	331	330	330	330	330	330	330	330	330	330	330
86.5S	317	318	319	320	320	320	320	320	320	320	320	320
87.5S	290	290	290	290	290	290	290	290	290	290	290	290
88.5S	290	290	290	290	290	290	290	290	290	290	290	290
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	84.5	85.5	86.5	87.5	88.5	89.5	90.5	91.5	92.5	93.5	94.5	95.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	0	0	0
79.5N	*	*	*	*	*	*	*	*	*	*	8	17
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	2	6	10	12	14	16
74.5N	1	4	7	10	12	14	16	18	20	20	20	20
73.5N	9	9	10	10	12	14	16	18	20	18	16	14
72.5N	10	10	10	10	10	10	10	10	10	10	10	10
71.5N	9	10	10	10	12	14	16	18	20	20	20	20
70.5N	9	10	10	10	12	14	16	18	20	20	20	20
69.5N	10	12	17	20	20	24	31	35	35	36	39	40
68.5N	17	20	20	20	20	22	27	37	52	65	75	77
67.5N	17	20	20	20	20	22	27	30	30	32	37	42
66.5N	17	20	20	20	20	21	24	26	29	32	37	37
65.5N	10	12	17	20	20	20	20	22	27	31	34	34
64.5N	17	20	20	20	20	20	20	20	20	20	20	20
63.5N	17	20	20	20	20	25	35	42	47	47	42	37
62.5N	20	20	20	20	20	24	31	36	39	40	40	42
61.5N	20	20	20	20	20	20	20	22	27	32	37	37
60.5N	20	20	20	20	20	25	35	40	40	45	55	55
59.5N	20	20	20	20	20	20	20	32	57	67	62	60
58.5N	20	20	20	20	20	17	12	15	25	32	37	37
57.5N	20	20	20	20	20	20	20	20	20	20	20	20
56.5N	20	20	20	20	20	20	20	22	27	30	30	30
55.5N	20	22	27	32	37	40	40	37	32	32	37	40
54.5N	27	32	37	50	70	70	50	42	47	60	80	87
53.5N	20	25	35	50	70	75	65	57	52	67	102	130
52.5N	27	35	45	60	80	90	90	102	127	127	102	95
51.5N	70	77	72	90	130	145	135	122	107	100	100	102
50.5N	120	137	132	145	175	180	160	140	120	115	125	137
49.5N	70	120	180	200	210	190	170	210	100	90	120	150
48.5N	70	80	85	190	270	250	200	150	100	90	120	160
47.5N	80	90	80	40	80	130	230	210	150	110	110	140
46.5N	60	50	50	50	60	70	90	100	160	200	170	180
45.5N	60	40	40	50	70	80	100	110	150	150	160	170

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	84.5	85.5	86.5	87.5	88.5	89.5	90.5	91.5	92.5	93.5	94.5	95.5
44.5N	100	90	70	50	70	75	90	90	90	100	100	110
43.5N	360	410	440	360	430	370	180	160	170	180	180	160
42.5N	240	240	230	170	60	45	80	90	80	100	120	140
41.5N	90	90	80	110	110	110	120	120	130	140	150	170
40.5N	80	70	70	70	80	80	90	100	110	145	150	160
39.5N	100	90	80	70	80	120	260	300	300	300	310	330
38.5N	120	130	150	200	370	400	310	340	360	380	380	400
37.5N	190	220	310	410	410	430	460	400	290	280	290	300
36.5N	480	510	490	490	460	460	500	490	430	370	350	320
35.5N	520	530	520	520	510	490	470	470	450	420	430	440
34.5N	530	540	530	520	510	500	450	450	410	450	490	470
33.5N	530	530	500	510	510	500	480	490	480	480	520	560
32.5N	500	490	480	490	490	480	450	470	470	460	480	500
31.5N	470	490	470	470	460	460	420	450	500	460	460	480
30.5N	500	480	470	490	480	500	520	540	460	450	490	500
29.5N	480	420	390	410	400	350	350	380	400	360	410	460
28.5N	270	380	570	770	630	560	660	600	510	420	250	270
27.5N	50	60	100	280	250	250	390	290	290	220	60	50
26.5N	10	10	20	20	20	20	50	40	20	20	100	180
25.5N	20	20	10	20	10	10	70	100	100	130	200	90
24.5N	30	40	30	20	10	10	20	20	40	100	70	80
23.5N	50	40	30	20	8	8	10	30	100	130	70	60
22.5N	30	30	20	9	5	4	0	5	60	150	50	40
21.5N	20	30	20	0	*	*	*	*	50	100	50	40
20.5N	35	20	5	*	*	*	*	*	20	80	70	55
19.5N	80	*	*	*	*	*	*	*	*	*	70	50
18.5N	*	*	*	*	*	*	*	*	*	*	50	30
17.5N	*	*	*	*	*	*	*	*	*	*	50	20
16.5N	*	*	*	*	*	*	*	*	*	*	50	50
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	0
4.5N	*	*	*	*	*	*	*	*	*	*	*	0
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	84.5	85.5	86.5	87.5	88.5	89.5	90.5	91.5	92.5	93.5	94.5	95.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	84.5	85.5	86.5	87.5	88.5	89.5	90.5	91.5	92.5	93.5	94.5	95.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	5	5	5	6	9	10	10	10	10	10	10	17
67.5S	72	85	95	105	115	122	127	135	145	147	142	142
68.5S	162	175	185	192	197	197	192	197	212	217	212	210
69.5S	217	222	227	230	230	237	252	262	267	267	262	257
70.5S	258	262	266	270	272	274	276	278	280	282	284	286
71.5S	298	302	306	310	310	310	310	310	310	310	310	310
72.5S	314	316	318	320	322	324	326	328	330	330	330	330
73.5S	324	326	328	330	332	334	336	338	340	340	340	340
74.5S	334	336	338	340	342	344	346	348	350	350	350	350
75.5S	334	336	338	340	344	348	352	356	360	360	360	360
76.5S	344	346	348	350	356	362	368	374	380	378	376	374
77.5S	348	352	356	360	364	368	372	376	380	378	376	374
78.5S	364	366	368	370	372	374	376	378	380	378	376	374
79.5S	380	380	380	380	380	380	380	380	380	378	376	374
80.5S	390	389	388	387	386	385	384	383	382	381	380	377
81.5S	390	389	387	385	383	381	379	377	375	373	371	368
82.5S	371	369	367	365	363	361	359	357	355	353	351	349
83.5S	360	359	357	355	353	351	349	347	345	343	341	339
84.5S	341	339	338	337	336	335	334	333	332	331	330	329
85.5S	330	329	328	327	326	325	324	323	322	321	320	319
86.5S	320	319	318	317	316	315	314	313	312	311	310	310
87.5S	290	290	291	292	293	294	295	296	297	298	299	300
88.5S	290	290	290	290	290	290	290	290	290	290	290	290
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	96.5	97.5	98.5	99.5	100.5	101.5	102.5	103.5	104.5	105.5	106.5	107.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	0	*	*	*	*	*	*	*	*	*	*	*
79.5N	26	35	24	13	*	*	*	*	*	*	*	*
78.5N	*	*	2	9	16	23	30	20	10	*	*	*
77.5N	*	*	*	*	1	3	5	3	1	*	*	*
76.5N	*	*	0	5	10	15	20	18	16	14	12	10
75.5N	18	20	20	20	20	20	20	22	24	26	28	30
74.5N	20	20	18	16	14	12	10	10	10	10	10	10
73.5N	12	10	10	10	10	10	10	9	8	7	6	5
72.5N	10	10	10	10	10	10	10	12	14	16	18	20
71.5N	20	20	18	16	14	12	10	10	10	10	10	10
70.5N	20	20	20	20	20	20	20	20	20	20	20	20
69.5N	40	42	47	47	42	35	26	26	35	40	40	37
68.5N	72	62	47	37	32	27	22	22	27	32	37	40
67.5N	47	47	42	35	25	20	20	25	35	40	40	40
66.5N	32	30	30	32	37	35	25	25	35	40	40	40
65.5N	31	30	30	30	30	32	37	40	40	40	40	40
64.5N	20	20	20	20	20	25	35	42	47	47	42	37
63.5N	32	32	37	40	40	40	40	40	40	37	32	32
62.5N	47	50	50	47	42	42	47	47	42	40	40	40
61.5N	32	32	37	40	40	42	47	52	57	55	45	40
60.5N	45	37	32	30	30	32	37	42	47	47	42	40
59.5N	60	52	37	30	30	32	37	40	40	37	32	35
58.5N	32	32	37	39	36	36	39	40	40	37	32	32
57.5N	20	20	20	22	27	32	37	42	47	47	42	45
56.5N	30	30	30	32	37	42	47	52	57	55	45	50
55.5N	40	42	47	49	46	45	45	51	64	67	62	60
54.5N	82	77	72	62	47	45	55	57	52	55	65	65
53.5N	150	145	115	90	70	55	45	50	70	75	65	56
52.5N	105	122	147	150	130	102	67	52	57	52	37	42
51.5N	107	122	147	162	167	152	117	90	70	67	82	90
50.5N	152	152	137	127	122	117	112	105	95	87	82	82
49.5N	160	180	180	160	150	120	100	90	90	80	100	150
48.5N	180	180	180	170	170	160	110	100	90	110	120	170
47.5N	160	200	200	190	190	170	150	130	110	120	150	150
46.5N	190	200	200	200	200	200	190	190	180	170	160	150
45.5N	160	180	170	160	180	200	190	190	180	170	150	120

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	96.5	97.5	98.5	99.5	100.5	101.5	102.5	103.5	104.5	105.5	106.5	107.5
44.5N	120	150	170	180	180	180	190	200	180	160	150	120
43.5N	140	150	160	130	130	150	170	180	190	140	140	110
42.5N	180	170	150	130	100	110	160	170	180	170	150	130
41.5N	190	180	160	130	120	120	150	160	170	180	190	190
40.5N	170	160	170	170	170	170	160	160	180	190	170	140
39.5N	390	360	290	270	190	180	170	180	180	180	170	150
38.5N	410	400	400	400	340	330	250	190	180	170	170	140
37.5N	340	350	380	350	350	390	350	210	180	170	180	200
36.5N	330	280	400	400	330	330	340	220	170	250	180	170
35.5N	460	470	450	410	390	440	450	290	290	230	200	140
34.5N	460	440	460	480	390	410	390	390	280	160	130	120
33.5N	490	470	460	430	420	410	450	340	220	100	140	150
32.5N	490	470	450	450	400	390	420	240	120	80	100	110
31.5N	500	490	470	410	410	410	240	170	80	53	50	60
30.5N	480	470	490	370	440	480	180	100	50	40	40	45
29.5N	460	400	360	360	430	350	280	110	50	50	40	40
28.5N	340	270	320	300	400	310	250	260	90	40	80	80
27.5N	220	200	200	260	250	300	280	180	200	140	105	80
26.5N	100	140	200	230	220	290	220	190	200	200	100	70
25.5N	100	80	250	210	210	200	190	220	180	180	70	60
24.5N	30	80	190	180	190	190	200	190	90	70	50	40
23.5N	60	100	95	150	140	130	110	130	140	80	50	40
22.5N	90	90	80	190	90	120	60	60	40	40	40	20
21.5N	50	90	60	160	70	60	40	50	40	20	20	30
20.5N	70	80	52	140	40	50	50	90	50	20	0	*
19.5N	50	50	140	50	60	70	80	100	60	10	*	*
18.5N	40	50	100	40	40	50	40	40	50	40	*	*
17.5N	20	40	50	20	20	30	30	30	20	50	10	*
16.5N	0	10	80	30	20	20	20	20	20	20	40	10
15.5N	*	*	110	60	20	20	20	20	20	20	50	56
14.5N	*	*	80	50	10	20	20	20	20	30	20	60
13.5N	*	*	70	50	0	30	20	20	20	20	20	20
12.5N	*	*	10	50	*	5	20	30	20	20	20	40
11.5N	*	*	5	10	*	*	*	30	20	20	40	50
10.5N	*	*	10	5	*	*	*	0	5	10	5	5
9.5N	*	*	30	0	*	*	*	*	*	2	*	*
8.5N	*	*	30	40	*	*	*	*	*	*	*	*
7.5N	*	*	*	20	*	*	*	*	*	*	*	*
6.5N	*	*	*	0	10	10	*	*	*	*	*	*
5.5N	*	*	*	*	100	110	20	*	*	*	*	*
4.5N	190	170	*	*	20	120	130	5	*	*	*	*
3.5N	*	130	130	0	0	80	40	0	*	*	*	*
2.5N	*	0	140	85	*	5	10	5	*	*	*	*
1.5N	*	*	10	140	40	10	0	0	*	*	*	*
0.5N	*	*	*	170	150	20	5	0	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	96.5	97.5	98.5	99.5	100.5	101.5	102.5	103.5	104.5	105.5	106.5	107.5
0.5S	*	*	*	*	160	40	20	0	0	*	*	*
1.5S	*	*	*	*	0	230	30	20	0	5	*	*
2.5S	*	*	*	*	*	220	150	60	5	0	0	1
3.5S	*	*	*	*	*	0	210	140	40	5	*	*
4.5S	*	*	*	*	*	*	0	260	200	5	*	*
5.5S	*	*	*	*	*	*	*	*	120	5	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	16	10
7.5S	*	*	*	*	*	*	*	*	*	*	*	0
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	96.5	97.5	98.5	99.5	100.5	101.5	102.5	103.5	104.5	105.5	106.5	107.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	2	10	10	*	*	*	*	*
66.5S	32	42	47	60	80	97	112	115	105	87	62	30
67.5S	147	147	142	142	147	165	195	210	210	202	187	172
68.5S	210	210	210	207	202	205	215	222	227	232	237	242
69.5S	252	247	242	237	232	232	237	245	255	260	260	260
70.5S	288	290	284	278	272	266	260	260	260	260	260	260
71.5S	310	310	304	298	292	286	280	278	276	274	272	270
72.5S	330	330	324	318	312	306	300	296	292	288	284	280
73.5S	340	340	334	328	322	316	310	306	302	298	294	290
74.5S	350	350	346	342	338	334	330	326	322	318	314	310
75.5S	360	360	358	356	354	352	350	346	342	338	334	330
76.5S	372	370	368	366	364	362	360	356	352	348	344	340
77.5S	372	370	368	366	364	362	360	356	352	348	344	340
78.5S	372	370	368	366	364	362	360	358	356	354	352	350
79.5S	372	370	368	366	364	362	360	356	352	348	344	340
80.5S	372	367	362	357	352	347	342	337	332	330	330	330
81.5S	365	362	359	356	353	350	347	344	341	339	337	335
82.5S	347	345	343	341	339	337	335	333	331	329	327	325
83.5S	337	335	333	331	329	327	325	323	321	319	318	317
84.5S	328	327	326	325	324	323	322	321	320	319	318	317
85.5S	318	317	316	315	314	313	312	311	310	310	310	310
86.5S	310	310	310	310	310	310	310	310	310	310	310	310
87.5S	300	300	300	300	300	300	300	300	300	300	300	300
88.5S	290	290	290	290	290	290	290	290	290	290	290	290
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	108.5	109.5	110.5	111.5	112.5	113.5	114.5	115.5	116.5	117.5	118.5	119.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	7	5	2	*	*	*	*	*	*	*	*	*
75.5N	26	22	18	14	10	5	*	*	*	*	*	*
74.5N	8	5	*	*	*	*	*	*	*	*	*	*
73.5N	6	7	8	9	10	9	8	6	5	4	*	*
72.5N	18	16	14	12	10	10	10	9	9	9	11	13
71.5N	12	14	16	18	20	20	20	20	20	20	20	20
70.5N	20	20	20	20	20	22	24	26	28	30	28	26
69.5N	32	32	37	39	36	34	31	27	22	20	20	20
68.5N	40	37	32	30	30	30	30	27	22	20	20	20
67.5N	40	40	40	37	32	32	37	40	40	37	32	27
66.5N	40	40	40	40	40	40	40	40	40	37	32	27
65.5N	40	40	40	40	40	37	32	30	30	27	22	20
64.5N	32	30	30	27	22	20	20	20	20	20	20	20
63.5N	37	37	32	27	22	20	20	20	20	20	20	20
62.5N	40	37	32	30	30	27	22	20	20	20	20	20
61.5N	40	42	47	50	50	47	42	37	32	30	30	31
60.5N	40	40	40	40	40	37	32	30	30	30	30	30
59.5N	45	47	42	40	40	47	62	62	47	37	32	31
58.5N	37	40	40	42	47	62	87	95	85	75	65	57
57.5N	55	65	75	80	80	80	80	82	87	87	82	77
56.5N	70	82	87	92	97	97	92	90	90	90	90	90
55.5N	60	72	97	115	125	122	107	90	70	67	82	87
54.5N	55	45L	95	107	102	95	85	80	80	77	72	72
53.5N	45L	59	86	97	92	92	97	97	92	85	75	65
52.5N	67	82	87	92	97	95	85	77	72	67	62	65
51.5N	90	87	82	80	80	77	72	72	77	80	80	80
50.5N	87	90	90	87	82	77	72	72	77	77	72	72
49.5N	130	150	160	100	90	90	80	70	70	70	50	60
48.5N	190	160	150	130	110	90	80	80	70	70	70	85
47.5N	160	150	120	100	90	80	90	80	70	70	80	90
46.5N	140	120	100	100	100	100	110	100	80	70	75	100
45.5N	110	100	100	90	90	100	120	120	100	90	90	100

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	108.5	109.5	110.5	111.5	112.5	113.5	114.5	115.5	116.5	117.5	118.5	119.5
44.5N	100	90	90	80	90	100	120	130	120	110	130	70
43.5N	100	100	100	100	100	100	130	150	120	100	70	50
42.5N	120	150	150	140	150	150	170	180	190	200	90	40
41.5N	190	190	200	190	200	170	160	140	100	62	120	80
40.5N	110	110	110	150	170	180	120	60	20	20	40	70
39.5N	130	110	100	110	170	150	100	30	20	10	10	0
38.5N	120	110	90	150	140	100	30	20	10	5	*	*
37.5N	150	110	80	100	80	100	20	20	10	10	10	*
36.5N	180	100	70	100	130	70	20	20	20	50	60	25
35.5N	190	95	50	88	90	50	20	20	20	30	40	0
34.5N	80	40	80	90	21	50	20	20	20	20	20	10
33.5N	160	150	80	60	80	20	20	20	20	10	5	6
32.5N	70	50	60	40	20	50	20	20	20	20	20	10
31.5N	110	110	140	80	18	40	50	60	42	20	20	10
30.5N	70	80	70	30	20	20	20	20	19	40	50	38
29.5N	50	100	40	21	20	40	60	40	28	50	50	30
28.5N	80	50	50	50	21	45	40	18	20	40	70	70
27.5N	70	40	60	60	40	45	50	40	30	90	60	55
26.5N	52	50	70	70	40	70	55	50	90	40	30	20
25.5N	50	50	60	60	70	50	55	70	70	60	50	20
24.5N	30	40	40	65	80	50	130	65	30	40	0	*
23.5N	30	20	30	20	30	40	40	60	20	0	*	*
22.5N	40	40	70	50	30	0	0	*	*	*	*	*
21.5N	5	10	20	0	*	*	*	*	*	*	*	*
20.5N	*	0	0	*	*	*	*	*	*	*	*	*
19.5N	0	30	10	*	*	*	*	*	*	*	*	*
18.5N	0	50	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	10	*	*	*	*	*	*	*	*	*	*	*
14.5N	50	*	*	*	*	*	*	*	*	*	*	*
13.5N	40	*	*	*	*	*	*	*	*	*	*	*
12.5N	70	*	*	*	*	*	*	*	*	*	*	*
11.5N	40	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	20	0	*	*
5.5N	*	*	*	*	*	*	*	0	140	30	0	*
4.5N	*	*	*	*	*	*	20	30	80	50	*	*
3.5N	*	*	*	*	*	40	80	100	80	*	*	*
2.5N	*	*	*	0	20	50	130	120	40	0	*	*
1.5N	*	20	50	40	60	80	120	90	80	80	*	*
0.5N	*	80	110	110	100	90	70	70	55	2	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	108.5	109.5	110.5	111.5	112.5	113.5	114.5	115.5	116.5	117.5	118.5	119.5
0.5S	*	3	70	90	90	70	60	50	40	*	*	*
1.5S	*	*	50	60	50	40	20	60	5	*	*	120
2.5S	*	*	20	20	20	20	10	50	0	*	*	180
3.5S	*	*	*	*	0	0	10	40	*	*	*	20
4.5S	*	*	*	*	*	*	*	*	*	*	*	70
5.5S	*	*	*	*	*	*	*	*	*	*	*	0
6.5S	5	*	20	10	0	0	*	*	*	*	*	*
7.5S	20	22	25	22	20	3	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	0	*	2	5	4	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	0	0	5	20
21.5S	*	*	*	*	*	*	*	5	40	40	40	30
22.5S	*	*	*	*	*	*	8	20	40	50	60	40
23.5S	*	*	*	*	*	*	10	20	40	40	32	40
24.5S	*	*	*	*	*	0	10	20	30	40	40	50
25.5S	*	*	*	*	*	*	5	20	40	40	40	40
26.5S	*	*	*	*	*	0	10	20	35	40	40	40
27.5S	*	*	*	*	*	*	10	20	30	30	40	40
28.5S	*	*	*	*	*	*	0	20	30	30	40	40
29.5S	*	*	*	*	*	*	*	20	20	30	30	30
30.5S	*	*	*	*	*	*	*	20	20	20	30	30
31.5S	*	*	*	*	*	*	*	0	20	20	20	20
32.5S	*	*	*	*	*	*	*	0	30	20	20	20
33.5S	*	*	*	*	*	*	*	5	20	20	20	20
34.5S	*	*	*	*	*	*	*	0	20	20	50	0
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	108.5	109.5	110.5	111.5	112.5	113.5	114.5	115.5	116.5	117.5	118.5	119.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	37	70	90	87	62	37	12	*	*	*
67.5S	157	162	187	202	207	197	172	145	115	97	92	87
68.5S	247	252	257	260	260	255	245	235	225	215	205	200
69.5S	260	262	267	270	270	267	262	260	260	257	252	250
70.5S	262	264	266	268	270	270	270	270	270	270	268	266
71.5S	272	274	276	278	280	280	280	280	280	280	278	276
72.5S	282	284	286	288	290	290	290	290	290	290	288	286
73.5S	292	294	296	298	300	300	300	300	300	300	298	296
74.5S	310	310	310	310	310	310	310	310	310	310	308	306
75.5S	328	326	324	322	320	318	316	314	312	310	310	310
76.5S	338	336	334	332	330	328	326	324	322	320	318	316
77.5S	338	336	334	332	330	328	326	324	322	320	318	316
78.5S	348	346	344	342	340	338	336	334	332	330	326	322
79.5S	338	336	334	332	330	328	326	324	322	320	318	316
80.5S	330	330	330	330	330	330	330	328	324	320	316	312
81.5S	333	331	329	327	325	323	321	318	315	312	309	306
82.5S	323	321	319	317	315	313	311	308	305	302	299	296
83.5S	316	315	314	313	312	311	310	309	307	305	303	301
84.5S	316	315	314	313	312	311	310	309	307	305	303	301
85.5S	310	310	310	310	310	310	310	309	307	305	303	301
86.5S	310	310	310	310	310	310	310	309	307	305	303	301
87.5S	300	300	300	300	300	300	300	300	300	300	300	300
88.5S	290	290	290	290	290	290	290	290	291	292	293	294
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	120.5	121.5	122.5	123.5	124.5	125.5	126.5	127.5	128.5	129.5	130.5	131.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	16	18	20	18	16	14	12	10	7	*	*	*
71.5N	20	20	20	20	20	20	20	20	19	19	18	18
70.5N	24	22	20	20	20	20	20	20	18	16	14	12
69.5N	20	20	20	20	20	22	27	30	30	27	22	20
68.5N	20	20	20	20	20	22	27	32	37	37	32	27
67.5N	22	20	20	20	20	22	27	32	37	35	25	20
66.5N	22	20	20	20	20	25	35	40	40	37	32	27
65.5N	20	20	20	17	12	15	25	42	67	70	50	40
64.5N	20	20	20	17	12	12	17	25	35	50	70	80
63.5N	20	20	20	20	20	20	20	20	20	20	20	20
62.5N	20	22	27	27	22	22	27	27	22	20	20	20
61.5N	34	35	35	31	24	20	20	20	20	20	20	20
60.5N	30	27	22	22	27	31	34	34	31	30	30	27
59.5N	34	42	57	61	54	47	42	40	40	40	40	37
58.5N	52	55	65	72	77	72	57	50	50	47	42	42
57.5N	72	75	85	92	97	94	82	69	56	47	42	42
56.5N	90	92	97	100	100	92	77	65	55	57	72	70
55.5N	82	82	87	87	82	82	87	92	97	102	107	102
54.5N	77	82	87	87	82	72	57	47	42	50	70	72
53.5N	55	50	50	47	42	40	40	42	47	57	72	75
52.5N	75	72	57	47	42	35	25	22	27	35	45	57
51.5N	80	82	87	85	75	57	32	22	27	40	60	65
50.5N	77	77	72	62	47	37	32	27	22	25	35	45
49.5N	70	80	90	50	40	40	50	40	30	20	30	40
48.5N	100	90	70	50	30	40	40	70	80	40	30	30
47.5N	100	90	40	30	30	40	40	50	70	60	30	20
46.5N	70	30	20	20	20	20	20	20	20	20	20	40
45.5N	50	40	20	20	20	20	20	20	20	30	80	40

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	120.5	121.5	122.5	123.5	124.5	125.5	126.5	127.5	128.5	129.5	130.5	131.5
44.5N	30	20	20	20	20	20	20	80	90	30	70	50
43.5N	20	20	20	20	20	20	50	70	100	60	70	40
42.5N	40	40	20	20	70	80	75	70	160	50	0	*
41.5N	50	10	10	40	90	70	50	140	120	70	*	*
40.5N	30	*	30	70	60	50	130	130	100	*	*	*
39.5N	*	0	0	*	*	50	120	30	*	*	*	*
38.5N	*	*	*	*	*	40	65	110	30	*	*	*
37.5N	0	0	*	*	*	*	0	20	130	30	*	*
36.5N	20	*	*	*	*	*	0	70	80	0	*	*
35.5N	*	*	*	*	*	*	*	70	30	0	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	0
33.5N	0	*	*	*	*	*	0	*	*	0	40	10
32.5N	3	0	*	*	*	*	*	*	*	*	25	30
31.5N	3	10	*	*	*	*	*	*	*	*	0	*
30.5N	0	*	*	*	*	*	*	*	*	*	*	*
29.5N	40	28	*	*	*	*	*	*	*	*	*	*
28.5N	60	9	*	*	*	*	*	*	*	*	*	*
27.5N	10	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	0	70	*	*	*	*	*	*	*	*	*	*
23.5N	50	70	*	*	*	*	*	*	*	*	*	*
22.5N	0	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	0	*	*	*	*	*	*	*	*	*	*
17.5N	70	140	*	*	*	*	*	*	*	*	*	*
16.5N	100	130	*	*	*	*	*	*	*	*	*	*
15.5N	60	50	*	*	*	*	*	*	*	*	*	*
14.5N	0	20	*	*	*	*	*	*	*	*	*	*
13.5N	*	20	0	0	*	*	*	*	*	*	*	*
12.5N	*	0	*	0	0	*	*	*	*	*	*	*
11.5N	*	*	0	*	0	*	*	*	*	*	*	*
10.5N	*	*	*	5	*	*	*	*	*	*	*	*
9.5N	*	*	*	0	*	*	*	*	*	*	*	*
8.5N	*	*	*	0	2	70	*	*	*	*	*	*
7.5N	*	*	*	*	50	70	*	*	*	*	*	*
6.5N	*	*	*	*	60	0	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	0	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	120.5	121.5	122.5	123.5	124.5	125.5	126.5	127.5	128.5	129.5	130.5	131.5
0.5S	*	*	*	*	*	*	*	0	*	*	*	*
1.5S	140	100	0	*	*	*	*	*	*	*	*	20
2.5S	150	80	*	*	*	*	*	*	*	*	*	*
3.5S	*	100	0	*	*	*	0	*	*	*	0	*
4.5S	*	*	10	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	3	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	0	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	0	0
12.5S	*	*	*	*	*	*	*	*	*	*	0	10
13.5S	*	*	*	*	*	*	*	*	*	*	8	20
14.5S	*	*	*	*	*	0	20	20	*	0	20	20
15.5S	*	*	*	*	0	30	50	40	30	20	20	20
16.5S	*	*	*	0	30	50	50	50	30	28	30	20
17.5S	*	*	10	10	20	40	40	50	50	30	30	30
18.5S	*	*	10	20	20	20	40	50	40	30	30	30
19.5S	*	10	20	20	30	30	30	20	20	30	30	30
20.5S	20	20	30	30	30	30	20	20	40	40	40	40
21.5S	30	30	30	30	40	40	30	30	40	40	40	50
22.5S	40	50	40	40	40	50	50	40	40	50	50	50
23.5S	50	50	40	50	50	50	50	40	40	40	50	50
24.5S	50	50	50	50	50	50	50	40	30	40	40	50
25.5S	40	50	50	50	50	50	50	40	30	40	40	40
26.5S	40	50	50	50	50	50	50	40	30	40	40	40
27.5S	40	40	40	40	50	40	40	30	30	40	30	30
28.5S	40	40	40	40	40	30	30	30	20	30	30	30
29.5S	30	30	30	30	30	30	20	20	20	20	20	20
30.5S	30	30	30	30	20	20	20	20	10	10	20	20
31.5S	20	20	20	20	20	20	6	5	4	0	5	10
32.5S	20	20	20	20	5	0	*	*	*	*	*	*
33.5S	10	10	15	30	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	120.5	121.5	122.5	123.5	124.5	125.5	126.5	127.5	128.5	129.5	130.5	131.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	5	17	12	*	*	*	32	62
67.5S	82	95	125	140	140	130	110	100	100	107	122	137
68.5S	200	202	207	212	217	212	197	190	190	190	190	195
69.5S	250	247	242	240	240	237	232	230	230	230	230	232
70.5S	264	262	260	258	256	254	252	250	250	250	250	250
71.5S	274	272	270	268	266	264	262	260	260	260	260	260
72.5S	284	282	280	278	276	274	272	270	270	270	270	270
73.5S	294	292	290	288	286	284	282	280	278	276	274	272
74.5S	304	302	300	298	296	294	292	290	288	286	284	282
75.5S	310	310	310	306	302	298	294	290	288	286	284	282
76.5S	314	312	310	308	306	304	302	300	298	296	294	292
77.5S	314	312	310	308	306	304	302	300	296	292	288	284
78.5S	318	314	310	308	306	304	302	300	296	292	288	284
79.5S	314	312	310	306	302	298	294	290	288	286	284	282
80.5S	308	304	300	296	292	288	284	280	276	272	268	264
81.5S	303	300	297	294	291	288	285	282	279	276	273	270
82.5S	293	290	287	284	281	279	278	277	276	275	274	273
83.5S	299	297	295	293	291	289	287	285	283	281	279	277
84.5S	299	297	295	293	291	289	288	287	286	285	284	283
85.5S	299	297	295	293	291	290	290	290	290	290	290	290
86.5S	299	297	295	293	291	290	290	290	290	290	290	290
87.5S	300	300	300	300	300	300	300	300	300	300	300	300
88.5S	295	296	297	298	299	300	300	300	300	300	300	300
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	132.5	133.5	134.5	135.5	136.5	137.5	138.5	139.5	140.5	141.5	142.5	143.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	2	3	4	5	6	7	6
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	17	16	16	15	15	14	13	12	12	11	10	10
70.5N	10	12	14	16	18	20	20	20	20	20	20	20
69.5N	20	20	20	25	35	37	32	27	22	20	20	20
68.5N	22	20	20	27	42	47	42	35	25	20	20	20
67.5N	20	20	20	20	20	22	27	30	30	27	22	20
66.5N	22	20	20	20	20	25	35	40	40	37	32	40
65.5N	40	40	40	40	40	52	77	85	75	62	47	40
64.5N	80	85	95	95	85	85	95	92	77	62	47	42
63.5N	20	30	50	62	67	87	122	122	87	70	70	77
62.5N	20	20	20	30	50	72	97	110	110	110	110	107
61.5N	20	20	20	25	35	42	47	65	95	107	102	100
60.5N	22	20	20	27	42	52	57	67	82	80	60	50
59.5N	32	27	22	27	42	55	65	65	55	42	27	19
58.5N	47	46	39	39	46	60	80	80	60	35	*	*
57.5N	47	47	42	42	47	55	65	50	*	*	*	*
56.5N	50	44	51	54	51	42	27	12	*	*	*	*
55.5N	87	80	80	69	46	24	*	*	*	*	*	*
54.5N	57	45	35	21	4	*	*	*	*	*	*	*
53.5N	65	65	75	65	35	20	20	17	12	*	3	*
52.5N	72	82	87	75	45	27	22	17	12	10	10	*
51.5N	55	50	50	42	27	22	27	31	34	36	39	*
50.5N	55	60	60	52	37	36	49	57	61	64	68	47
49.5N	40	30	30	30	20	30	90	50	0	*	50	20
48.5N	20	20	20	20	40	100	80	50	*	*	10	*
47.5N	20	20	20	30	60	100	60	*	*	*	10	*
46.5N	40	20	20	35	50	80	*	*	*	*	0	0
45.5N	20	20	30	50	70	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	132.5	133.5	134.5	135.5	136.5	137.5	138.5	139.5	140.5	141.5	142.5	143.5
44.5N	20	20	30	70	*	*	*	*	*	*	60	0
43.5N	30	60	40	*	*	*	*	*	*	0	110	130
42.5N	*	*	*	*	*	*	*	*	0	0	0	0
41.5N	*	*	*	*	*	*	*	*	0	*	*	*
40.5N	*	*	*	*	*	*	*	*	40	0	*	*
39.5N	*	*	*	*	*	*	*	*	60	50	*	*
38.5N	*	*	*	*	*	*	*	0	50	0	*	*
37.5N	*	*	*	*	*	*	4	80	50	*	*	*
36.5N	*	*	*	*	50	100	90	70	0	*	*	*
35.5N	*	0	10	0	60	70	70	2	0	*	*	*
34.5N	20	20	10	20	20	*	*	*	*	*	*	*
33.5N	0	10	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	132.5	133.5	134.5	135.5	136.5	137.5	138.5	139.5	140.5	141.5	142.5	143.5
0.5S	10	*	*	*	*	*	*	*	*	*	*	*
1.5S	20	80	*	*	*	1	*	*	*	*	*	*
2.5S	5	10	0	*	0	89	100	90	5	*	*	*
3.5S	*	20	100	180	300	290	270	150	90	90	50	20
4.5S	*	*	*	0	130	240	280	320	380	220	120	90
5.5S	*	*	*	*	*	0	10	20	60	110	100	180
6.5S	*	*	0	*	*	*	0	4	20	20	30	80
7.5S	*	*	*	*	*	*	0	4	9	10	10	10
8.5S	*	*	*	*	*	*	*	*	0	5	5	*
9.5S	*	*	*	*	*	*	*	*	*	0	0	*
10.5S	*	*	*	*	*	*	*	*	*	*	0	0
11.5S	0	0	0	*	*	*	*	*	*	*	2	*
12.5S	10	20	20	10	5	*	*	*	*	*	5	*
13.5S	20	20	20	20	*	*	*	*	*	0	10	0
14.5S	20	20	20	10	*	*	*	*	*	0	10	20
15.5S	20	20	20	10	0	*	*	*	*	0	10	20
16.5S	20	20	20	20	10	0	*	*	*	2	10	20
17.5S	30	20	20	20	20	10	9	3	0	8	10	20
18.5S	30	30	30	20	20	20	20	10	10	10	10	20
19.5S	40	40	40	30	30	30	20	20	20	20	20	30
20.5S	40	40	40	40	40	30	30	20	20	20	20	30
21.5S	50	60	50	50	40	30	30	20	20	20	20	30
22.5S	74	80	60	40	30	30	20	20	20	20	20	30
23.5S	70	69	40	20	20	20	20	20	20	20	20	20
24.5S	50	40	25	20	20	20	20	20	20	20	20	20
25.5S	40	30	20	20	20	20	10	10	20	20	20	20
26.5S	40	30	20	20	10	10	10	10	20	20	20	20
27.5S	30	30	20	20	10	10	10	10	20	20	20	20
28.5S	30	30	20	20	10	1L	10	10	20	20	20	20
29.5S	20	20	20	20	20	20	20	30	20	20	20	20
30.5S	20	20	20	20	20	10	67	35	20	20	20	10
31.5S	20	20	20	10	20	10	40	20	20	10	10	10
32.5S	*	*	10	20	20	20	60	40	20	20	10	10
33.5S	*	*	0	5	10	5	50	50	20	10	10	10
34.5S	*	*	*	5	*	0	*	20	20	10	10	10
35.5S	*	*	*	*	0	0	10	5	8	8	10	10
36.5S	*	*	*	*	*	*	*	*	3	8	20	20
37.5S	*	*	*	*	*	*	*	*	2	10	30	30
38.5S	*	*	*	*	*	*	*	*	*	*	*	20
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	132.5	133.5	134.5	135.5	136.5	137.5	138.5	139.5	140.5	141.5	142.5	143.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	67	70	70	65	55	42	27	17	12	*	*	*
67.5S	152	160	160	160	160	160	160	150	130	107	82	65
68.5S	205	212	217	220	220	217	212	200	180	157	132	115
69.5S	237	240	240	240	240	240	240	232	217	202	187	172
70.5S	250	250	250	250	250	250	244	238	232	226	220	210
71.5S	260	260	260	260	260	260	256	252	248	244	240	232
72.5S	270	268	266	264	262	260	256	252	248	244	240	238
73.5S	270	268	266	264	262	260	258	256	254	252	250	246
74.5S	280	278	276	274	272	270	268	266	264	262	260	256
75.5S	280	280	280	280	280	280	278	276	274	272	270	266
76.5S	290	288	286	284	282	280	278	276	274	272	270	266
77.5S	280	278	276	274	272	270	268	266	264	262	260	258
78.5S	280	278	276	274	272	270	268	266	264	262	260	256
79.5S	280	276	272	268	264	260	256	252	248	244	240	238
80.5S	260	256	252	249	247	245	243	241	239	237	235	233
81.5S	267	264	261	258	254	250	246	242	238	234	230	226
82.5S	272	271	270	268	265	262	259	256	253	250	247	244
83.5S	275	273	271	269	267	265	263	261	259	257	255	253
84.5S	282	281	280	279	277	275	273	271	269	267	265	263
85.5S	290	290	290	289	288	287	286	285	284	283	282	281
86.5S	290	290	290	289	288	287	286	285	284	283	282	281
87.5S	300	300	300	300	300	300	300	300	300	300	300	300
88.5S	300	300	300	300	300	300	300	300	300	300	300	300
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	144.5	145.5	146.5	147.5	148.5	149.5	150.5	151.5	152.5	153.5	154.5	155.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	4	3	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	10	10	10	10	8	6	*	*	*	*	*	*
70.5N	20	20	20	20	20	20	20	20	20	18	16	14
69.5N	20	20	20	20	20	20	20	20	20	20	20	17
68.5N	20	20	20	20	20	20	20	20	20	17	12	10
67.5N	21	26	35	42	47	45	35	27	22	20	20	20
66.5N	60	75	85	85	75	60	40	27	22	22	27	32
65.5N	40	55	85	90	70	50	30	20	20	22	27	40
64.5N	47	62	87	97	92	77	52	37	32	30	30	32
63.5N	92	100	100	100	100	97	92	77	52	42	47	55
62.5N	102	100	100	97	92	80	60	52	57	65	75	85
61.5N	100	102	107	105	95	87	82	82	87	92	97	82
60.5N	50	55	65	72	77	82	87	90	90	80	60	35
59.5N	16	14	11	12	15	18	22	25	28	29	26	24
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	5
54.5N	*	*	*	*	*	*	*	*	*	*	*	2
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	0	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	144.5	145.5	146.5	147.5	148.5	149.5	150.5	151.5	152.5	153.5	154.5	155.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	50	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	144.5	145.5	146.5	147.5	148.5	149.5	150.5	151.5	152.5	153.5	154.5	155.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	55	o *	*	*	*	*	*	*	*	*	*	*
5.5S	130	100	*	*	*	5	7	6	*	*	*	*
6.5S	120	160	120	0	*	*	*	*	*	*	*	*
7.5S	10	60	190	*	*	*	*	*	*	*	*	*
8.5S	*	*	100	100	*	*	*	*	*	*	*	*
9.5S	*	*	*	100	120	30	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	0	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	0	*	*	*	*	*	*	*	*	*	*	*
15.5S	20	*	*	*	*	*	*	*	*	*	*	*
16.5S	20	0	*	*	*	*	*	*	*	*	*	*
17.5S	30	40	*	*	*	*	*	*	*	*	*	*
18.5S	40	62	*	*	*	*	*	*	*	*	*	*
19.5S	40	40	20	0	*	*	*	*	*	*	*	*
20.5S	40	40	20	30	50	*	*	*	*	*	*	*
21.5S	30	30	20	30	50	*	*	*	*	*	*	*
22.5S	30	30	25	40	30	10	0	*	*	*	*	*
23.5S	30	30	40	40	30	30	20	*	*	*	*	*
24.5S	30	40	50	60	50	40	30	20	*	*	*	*
25.5S	20	30	50	49	60	40	40	40	20	*	*	*
26.5S	20	30	25	30	40	50	50	50	30	*	*	*
27.5S	20	20	20	20	30	40	32	50	30	*	*	*
28.5S	20	20	20	20	20	20	30	40	77	10	*	*
29.5S	20	20	20	20	20	30	40	80	60	*	*	*
30.5S	20	20	20	20	20	35	50	80	90	*	*	*
31.5S	20	20	20	20	30	60	70	90	40	*	*	*
32.5S	20	20	20	20	30	30	40	30	*	*	*	*
33.5S	10	20	20	20	40	80	75	*	*	*	*	*
34.5S	10	20	20	30	40	70	30	*	*	*	*	*
35.5S	10	20	20	30	100	80	*	*	*	*	*	*
36.5S	20	20	30	100	150	90	*	*	*	*	*	*
37.5S	40	40	80	100	90	20	*	*	*	*	*	*
38.5S	*	25	25	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	40	40	50	*	*	*	*	*	*	*	*
42.5S	*	25	50	30	*	*	*	*	*	*	*	*
43.5S	*	*	25	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	144.5	145.5	146.5	147.5	148.5	149.5	150.5	151.5	152.5	153.5	154.5	155.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	55	30	*	*	*	*	*	*	*	*	*	*
68.5S	105	87	62	42	27	20	20	17	12	*	*	*
69.5S	157	145	135	130	130	127	122	112	97	85	75	65
70.5S	200	190	180	170	168	166	164	162	160	148	136	124
71.5S	224	216	208	200	200	200	200	200	200	192	184	176
72.5S	236	234	232	230	228	226	224	222	220	222	224	226
73.5S	242	238	234	230	228	226	224	222	220	220	220	220
74.5S	252	248	244	240	238	236	234	232	230	226	222	218
75.5S	262	258	254	250	246	242	238	234	230	226	222	218
76.5S	262	258	254	250	246	242	238	234	230	228	226	224
77.5S	256	254	252	250	246	242	238	234	230	230	230	230
78.5S	252	248	244	240	238	236	234	232	230	228	226	224
79.5S	236	234	232	230	230	230	230	230	230	220	210	200
80.5S	231	229	228	227	226	225	224	223	222	221	220	209
81.5S	222	220	220	220	220	220	220	220	220	220	220	209
82.5S	241	240	240	240	240	240	240	240	240	240	240	236
83.5S	251	249	248	247	246	245	244	243	242	241	240	240
84.5S	261	259	258	257	256	255	254	253	252	251	250	250
85.5S	280	278	275	272	269	266	263	260	257	254	251	250
86.5S	280	280	281	282	283	284	285	286	287	288	289	289
87.5S	300	300	300	300	300	300	300	300	300	300	300	300
88.5S	300	300	301	302	303	304	305	306	307	308	309	310
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	156.5	157.5	158.5	159.5	160.5	161.5	162.5	163.5	164.5	165.5	166.5	167.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	12	10	7	4	*	*	*	*	*	*	*	*
69.5N	12	9	8	8	9	9	10	10	10	10	10	10
68.5N	10	12	17	20	20	22	27	27	22	25	35	42
67.5N	20	20	20	20	20	20	20	25	35	45	55	65
66.5N	37	37	32	27	22	22	27	42	67	80	80	77
65.5N	60	62	47	37	32	40	60	77	92	87	62	45
64.5N	37	50	70	67	42	42	67	75	65	55	45	37
63.5N	65	67	62	65	75	82	87	74	41	24	21	22
62.5N	95	95	85	75	65	55	45	35	25	25	35	51
61.5N	47	22	*	5	22	23	10	15	38	52	57	60
60.5N	*	*	*	*	*	3	21	35	45	45	35	27
59.5N	21	22	27	27	22	17	12	5	*	*	*	*
58.5N	*	*	5	20	40	36	*	*	*	*	*	*
57.5N	12	22	27	37	52	36	*	*	*	*	*	*
56.5N	12	27	42	50	50	32	*	*	*	*	*	*
55.5N	35	50	50	52	57	*	*	*	*	*	*	*
54.5N	47	65	55	12	*	*	*	*	*	*	*	*
53.5N	17	37	52	*	*	*	*	*	*	*	*	*
52.5N	32	*	*	*	*	*	*	*	*	*	*	*
51.5N	2	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	156.5	157.5	158.5	159.5	160.5	161.5	162.5	163.5	164.5	165.5	166.5	167.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	156.5	157.5	158.5	159.5	160.5	161.5	162.5	163.5	164.5	165.5	166.5	167.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	2	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	156.5	157.5	158.5	159.5	160.5	161.5	162.5	163.5	164.5	165.5	166.5	167.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	70
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	55	45	35	12	*	*	*	*	*	*	*	*
70.5S	112	100	72	44	16	*	*	*	*	*	*	*
71.5S	168	160	156	152	148	144	140	142	144	146	148	150
72.5S	228	230	224	218	212	206	200	190	180	170	160	150
73.5S	220	220	206	192	178	164	150	130	110	90	70	50
74.5S	214	210	184	158	132	106	80	54	28	*	*	*
75.5S	214	210	172	134	96	58	20	*	*	*	*	*
76.5S	222	220	180	140	100	60	20	*	*	*	*	*
77.5S	230	230	210	190	170	150	130	114	98	82	66	50
78.5S	222	220	206	192	178	164	150	121	93	64	36	7
79.5S	190	180	145	111	76	42	7	7	7	6	6	6
80.5S	188	166	145	124	102	81	59	38	17	6	6	6
81.5S	188	167	146	125	103	82	61	40	19	8	8	7
82.5S	228	220	212	204	196	188	180	172	164	152	137	121
83.5S	241	242	243	244	245	246	247	248	249	239	217	195
84.5S	251	252	253	254	255	256	257	258	259	263	270	277
85.5S	250	250	250	250	250	250	250	250	250	251	253	255
86.5S	288	287	286	285	284	283	282	281	280	280	280	280
87.5S	300	300	300	300	300	300	300	300	300	300	300	300
88.5S	310	310	310	310	310	310	310	310	310	310	310	310
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	168.5	169.5	170.5	171.5	172.5	173.5	174.5	175.5	176.5	177.5	178.5	179.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	10	10	10	15	25	27	22	20	20	17	12	7
68.5N	47	47	42	45	55	65	75	72	57	45	35	27
67.5N	75	85	95	97	92	92	97	100	100	92	77	62
66.5N	72	67	62	57	52	52	57	65	75	82	87	83
65.5N	35	29	26	24	21	20	20	20	20	30	50	54
64.5N	32	27	22	22	27	30	30	25	15	7	*	*
63.5N	27	35	45	50	50	55	65	72	77	71	54	36
62.5N	74	89	96	95	85	71	54	41	32	23	14	7
61.5N	60	62	67	32	*	*	*	*	*	*	*	*
60.5N	22	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	168.5	169.5	170.5	171.5	172.5	173.5	174.5	175.5	176.5	177.5	178.5	179.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	168.5	169.5	170.5	171.5	172.5	173.5	174.5	175.5	176.5	177.5	178.5	179.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	0	0	*	*	*	*	*
36.5S	*	*	*	*	*	*	0	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	10	*	*	*	*
38.5S	*	*	*	*	*	*	*	37	37	40	*	*
39.5S	*	*	*	*	*	*	50	70	40	*	*	*
40.5S	*	*	*	*	*	*	*	20	2	*	*	*
41.5S	*	*	*	0	50	40	*	*	*	*	*	*
42.5S	*	*	*	40	90	5	*	*	*	*	*	*
43.5S	*	0	110	60	30	*	*	*	*	*	*	*
44.5S	100	90	50	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	168.5	169.5	170.5	171.5	172.5	173.5	174.5	175.5	176.5	177.5	178.5	179.5
45.5S	40	40	30	*	*	*	*	*	*	*	*	*
46.5S	0	2	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	92	*	*	*	*	*	*	*	*	*	*	*
72.5S	110	70	*	*	*	*	*	*	*	*	*	*
73.5S	*	*	*	*	*	*	*	*	*	*	*	*
74.5S	*	*	*	*	*	*	*	*	*	*	*	*
75.5S	*	*	*	*	*	*	*	*	*	*	*	*
76.5S	*	*	*	*	*	*	*	*	*	*	*	*
77.5S	40	31	21	*	*	*	*	*	*	*	*	*
78.5S	7	6	6	5	5	5	5	4	4	4	4	4
79.5S	6	6	6	6	6	6	6	5	5	5	5	5
80.5S	6	6	5	5	5	5	5	5	5	5	5	5
81.5S	7	7	6	6	6	5	5	5	5	5	5	5
82.5S	106	90	75	59	44	28	13	5	5	5	5	5
83.5S	173	151	129	107	85	63	41	29	28	27	26	25
84.5S	284	291	298	305	312	319	326	325	316	306	297	288
85.5S	257	259	261	263	265	267	269	270	271	271	272	272
86.5S	280	280	280	280	280	280	280	280	280	280	280	280
87.5S	300	300	300	300	300	300	300	300	299	299	298	298
88.5S	310	310	310	310	310	310	310	310	309	309	308	308
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	180.5	181.5	182.5	183.5	184.5	185.5	186.5	187.5	188.5	189.5	190.5	191.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	2	*	*	*	*	*	*	*	*	*	*	*
68.5N	20	13	6	*	*	*	*	*	*	*	*	*
67.5N	45	35	32	28	25	17	6	*	*	*	*	*
66.5N	70	65	68	67	62	55	45	41	44	38	25	*
65.5N	43	32	21	19	25	31	37	34	23	13	*	*
64.5N	*	*	*	*	*	*	0	2	2	*	*	*
63.5N	18	*	*	*	*	*	*	*	*	3	6	6
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	180.5	181.5	182.5	183.5	184.5	185.5	186.5	187.5	188.5	189.5	190.5	191.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	180.5	181.5	182.5	183.5	184.5	185.5	186.5	187.5	188.5	189.5	190.5	191.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	180.5	181.5	182.5	183.5	184.5	185.5	186.5	187.5	188.5	189.5	190.5	191.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.5S	*	*	*	*	*	*	*	*	*	*	*	*
74.5S	*	*	*	*	*	*	*	*	*	*	*	*
75.5S	*	*	*	*	*	*	*	*	*	*	*	*
76.5S	*	*	*	*	*	*	*	*	*	*	*	*
77.5S	*	*	*	*	*	*	*	*	*	*	*	*
78.5S	3	3	3	3	3	2	2	2	2	2	2	2
79.5S	5	5	5	5	5	5	5	5	5	5	5	5
80.5S	5	5	5	5	5	5	5	5	5	5	6	6
81.5S	5	5	5	5	5	5	5	5	5	5	6	6
82.5S	5	5	5	5	5	5	5	5	5	5	6	6
83.5S	24	23	22	21	20	18	17	16	15	14	13	12
84.5S	278	269	259	250	241	231	221	211	201	191	181	171
85.5S	273	273	274	274	275	275	275	275	276	276	276	276
86.5S	280	280	280	280	280	280	280	279	279	279	279	279
87.5S	297	297	296	296	295	295	294	293	293	292	292	291
88.5S	307	307	306	306	305	305	304	304	303	303	302	302
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	192.5	193.5	194.5	195.5	196.5	197.5	198.5	199.5	200.5	201.5	202.5	203.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	0	0	0	3
69.5N	*	*	*	*	1	8	19	30	40	46	49	49
68.5N	*	*	4	12	21	26	29	31	34	37	42	46
67.5N	*	*	*	*	3	12	25	33	37	39	40	42
66.5N	*	*	0	2	2	*	8	15	25	34	41	45
65.5N	*	5	17	27	36	39	36	36	39	40	41	40
64.5N	*	*	2	4	6	7	6	9	18	26	32	35
63.5N	3	*	*	*	1	3	6	10	17	24	31	37
62.5N	*	*	5	11	17	20	20	22	27	34	41	45
61.5N	*	*	10	17	24	26	24	22	21	21	24	32
60.5N	*	*	1	4	6	12	21	29	36	39	36	39
59.5N	*	*	*	*	*	*	10	20	30	36	39	38
58.5N	*	*	*	*	*	*	2	7	12	17	22	28
57.5N	*	*	*	*	*	*	*	*	*	*	2	3
56.5N	*	*	*	*	*	*	*	*	2	3	1	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	192.5	193.5	194.5	195.5	196.5	197.5	198.5	199.5	200.5	201.5	202.5	203.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	192.5	193.5	194.5	195.5	196.5	197.5	198.5	199.5	200.5	201.5	202.5	203.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	192.5	193.5	194.5	195.5	196.5	197.5	198.5	199.5	200.5	201.5	202.5	203.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.5S	*	*	*	*	*	*	*	*	*	*	*	*
74.5S	*	*	*	*	*	*	*	*	*	*	*	*
75.5S	*	*	*	*	*	*	*	*	*	*	*	*
76.5S	*	*	*	*	*	*	*	*	*	*	*	*
77.5S	*	*	*	*	*	*	*	*	*	*	*	0
78.5S	2	2	2	2	2	3	3	4	5	5	6	9
79.5S	5	6	7	7	8	9	11	12	14	16	18	16
80.5S	6	6	6	6	6	6	6	7	7	7	7	7
81.5S	6	6	6	6	6	6	6	7	7	7	7	7
82.5S	6	6	6	6	7	7	7	7	8	8	8	9
83.5S	11	10	9	8	8	9	9	9	9	9	9	10
84.5S	161	151	141	130	117	104	92	79	67	54	41	29
85.5S	276	277	277	275	270	266	261	257	252	248	243	239
86.5S	278	278	278	277	274	272	270	267	265	262	260	258
87.5S	290	290	289	288	287	286	285	284	283	282	281	280
88.5S	301	301	300	300	300	300	300	300	299	299	299	299
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	204.5	205.5	206.5	207.5	208.5	209.5	210.5	211.5	212.5	213.5	214.5	215.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	7	10	14	17	15	12	10	7	5	*	*	*
69.5N	46	44	41	40	40	40	40	40	40	41	44	49
68.5N	49	52	57	65	75	85	95	102	107	110	110	110
67.5N	47	52	57	64	71	79	86	92	97	97	92	85
66.5N	45	45	45	49	56	59	56	49	36	27	22	25
65.5N	37	39	46	51	54	54	51	51	54	54	51	51
64.5N	35	36	39	39	36	34	31	31	34	41	52	64
63.5N	42	45	45	62	97	127	152	167	172	187	212	212
62.5N	45	59	86	135	205	231	214	176	119	106	139	184
61.5N	47	69	96	110	110	104	91	86	89	89	86	105
60.5N	46	57	71	71	59	47	37	29	21	*	21	36
59.5N	35	28	17	*	*	*	*	*	*	*	*	*
58.5N	36	35	26	*	*	*	*	*	*	*	*	*
57.5N	1	*	4	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	204.5	205.5	206.5	207.5	208.5	209.5	210.5	211.5	212.5	213.5	214.5	215.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	8	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	204.5	205.5	206.5	207.5	208.5	209.5	210.5	211.5	212.5	213.5	214.5	215.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	204.5	205.5	206.5	207.5	208.5	209.5	210.5	211.5	212.5	213.5	214.5	215.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.5S	*	*	*	*	*	*	*	*	*	*	*	*
74.5S	*	*	*	*	*	*	*	*	*	*	*	*
75.5S	*	*	*	*	*	*	*	*	*	*	*	*
76.5S	*	*	*	*	*	*	*	*	*	*	*	0
77.5S	0	0	7	20	22	25	27	30	32	42	53	63
78.5S	12	14	17	20	28	36	44	52	60	60	61	61
79.5S	14	12	10	8	10	12	14	16	18	25	32	38
80.5S	7	7	8	8	9	9	10	10	11	11	12	13
81.5S	7	8	8	9	9	10	10	11	12	12	13	14
82.5S	9	10	11	12	13	14	16	17	18	19	20	22
83.5S	10	10	10	10	11	11	11	11	11	12	12	13
84.5S	16	10	10	10	11	11	11	11	11	12	12	13
85.5S	234	224	207	190	174	157	141	124	107	91	74	65
86.5S	255	251	246	240	235	230	224	219	213	208	203	200
87.5S	279	279	278	277	276	275	274	273	272	271	270	270
88.5S	299	299	298	297	296	295	294	293	292	291	290	290
89.5S	290	290	290	290	290	290	290	290	290	290	290	290

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	216.5	217.5	218.5	219.5	220.5	221.5	222.5	223.5	224.5	225.5	226.5	227.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	56	56	49	37	22	11	4	*	*	*	*	2
68.5N	110	109	106	105	105	102	97	82	57	37	22	16
67.5N	75	66	59	59	66	72	77	70	53	38	26	20
66.5N	35	47	62	74	81	87	92	91	84	72	57	45
65.5N	54	60	70	77	82	85	85	82	77	76	79	77
64.5N	76	82	81	80	80	84	91	97	102	106	109	110
63.5N	187	156	119	92	77	69	66	71	84	94	101	106
62.5N	241	255	225	187	142	124	131	125	105	89	76	75
61.5N	145	191	244	257	232	197	152	121	104	92	87	87
60.5N	64	121	207	272	317	302	227	169	126	105	105	105
59.5N	*	*	*	*	*	0	66	109	126	129	116	109
58.5N	*	*	*	*	*	*	*	0	35	74	101	119
57.5N	*	*	*	*	*	*	*	*	*	*	6	54
56.5N	*	*	*	*	*	*	*	*	*	*	*	0
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	216.5	217.5	218.5	219.5	220.5	221.5	222.5	223.5	224.5	225.5	226.5	227.5
	DEGREES EAST LONGITUDE											
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	216.5	217.5	218.5	219.5	220.5	221.5	222.5	223.5	224.5	225.5	226.5	227.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	216.5	217.5	218.5	219.5	220.5	221.5	222.5	223.5	224.5	225.5	226.5	227.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.5S	*	*	*	*	*	*	*	*	*	*	*	*
74.5S	*	*	*	*	*	*	*	*	*	*	*	*
75.5S	*	*	*	*	0	0	8	25	42	60	77	94
76.5S	0	16	40	63	87	110	134	146	158	170	182	194
77.5S	74	84	89	94	100	105	110	119	128	138	147	156
78.5S	62	62	65	68	72	75	78	85	92	98	105	112
79.5S	45	52	54	57	59	62	64	68	73	77	82	86
80.5S	15	18	20	22	25	27	29	31	34	37	42	47
81.5S	17	20	23	26	29	32	35	38	40	43	45	47
82.5S	23	24	25	26	28	29	30	31	32	34	37	40
83.5S	15	17	19	21	23	25	27	29	31	33	35	37
84.5S	15	17	19	21	23	26	28	30	32	34	38	41
85.5S	62	59	57	54	51	48	46	43	40	43	52	60
86.5S	201	201	202	202	203	203	204	204	205	207	211	216
87.5S	270	270	270	270	269	269	269	269	269	269	268	267
88.5S	290	290	290	290	289	289	289	289	289	289	288	287
89.5S	290	290	290	290	289	289	289	289	289	289	288	287

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	228.5	229.5	230.5	231.5	232.5	233.5	234.5	235.5	236.5	237.5	238.5	239.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	0	0
72.5N	*	*	*	*	*	*	*	*	*	*	0	0
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	8	14	18	19	16	13	9	7	7	7	8	7
68.5N	19	20	20	20	20	20	20	20	20	20	20	21
67.5N	20	20	20	21	24	26	28	29	28	27	25	23
66.5N	35	27	22	21	24	26	29	27	22	18	12L	12L
65.5N	71	60	45	36	32	31	34	34	31	12L	12L	12L
64.5N	110	106	99	87	72	59	46	36	29	24	21	21
63.5N	109	109	106	100	90	79	66	54	41	31	24	20
62.5N	85	92	97	100	100	94	81	65	45	31	24	20
61.5N	92	96	99	99	96	92	87	79	66	52	37	29
60.5N	105	102	97	90	80	74	71	66	59	52	47	46
59.5N	106	105	105	101	94	84	71	61	54	50	50	50
58.5N	126	135	145	157	172	172	157	137	112	90	70	59
57.5N	88	109	116	125	135	144	151	146	129	107	82	67
56.5N	19	48	79	110	140	159	166	160	140	119	96	80
55.5N	*	2	37	64	81	94	101	111	124	126	119	105
54.5N	*	*	7	34	61	81	94	100	100	107	122	131
53.5N	*	*	0	19	46	70	90	99	96	99	106	126
52.5N	*	*	*	*	4	33	61	81	94	97	92	99
51.5N	*	*	*	*	*	10	60	89	96	96	89	82
50.5N	*	*	*	*	*	0	17	54	71	80	80	76
49.5N	*	*	*	*	*	0	50	20	*	50	60	170
48.5N	*	*	*	*	*	*	*	30	0	20	50	110
47.5N	*	*	*	*	*	*	*	*	50	10	50	56
46.5N	*	*	*	*	*	*	*	*	40	50	270	50
45.5N	*	*	*	*	*	*	*	*	40	30	70	37

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	228.5	229.5	230.5	231.5	232.5	233.5	234.5	235.5	236.5	237.5	238.5	239.5
44.5N	*	*	*	*	*	*	*	*	40	50	100	85
43.5N	*	*	*	*	*	*	*	*	30	90	110	110
42.5N	*	*	*	*	*	*	*	*	60	90	100	120
41.5N	*	*	*	*	*	*	*	*	78	100	120	120
40.5N	*	*	*	*	*	*	*	*	70	80	100	110
39.5N	*	*	*	*	*	*	*	*	40	40	40	160
38.5N	*	*	*	*	*	*	*	*	*	20	10	120
37.5N	*	*	*	*	*	*	*	*	*	*	26	30
36.5N	*	*	*	*	*	*	*	*	*	*	20	30
35.5N	*	*	*	*	*	*	*	*	*	*	*	30
34.5N	*	*	*	*	*	*	*	*	*	*	*	0
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	228.5	229.5	230.5	231.5	232.5	233.5	234.5	235.5	236.5	237.5	238.5	239.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	228.5	229.5	230.5	231.5	232.5	233.5	234.5	235.5	236.5	237.5	238.5	239.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.5S	*	*	*	*	*	*	*	*	*	*	*	*
74.5S	*	*	*	*	*	*	1	7	14	20	20	20
75.5S	106	117	129	140	152	154	155	157	158	160	158	157
76.5S	200	205	211	216	222	230	237	245	252	260	250	241
77.5S	162	167	173	178	184	187	190	194	197	200	199	198
78.5S	115	118	122	125	128	134	141	147	154	160	160	160
79.5S	92	98	104	110	116	121	126	132	137	142	144	147
80.5S	52	57	62	67	72	77	81	86	90	94	98	102
81.5S	49	51	53	56	58	60	62	65	68	71	74	78
82.5S	43	46	49	52	55	58	60	63	66	68	70	73
83.5S	39	41	43	46	48	50	52	55	58	61	64	67
84.5S	44	47	50	53	56	59	62	66	70	74	79	83
85.5S	69	77	86	94	103	111	120	126	131	135	139	144
86.5S	220	224	229	233	237	241	246	247	246	244	243	241
87.5S	266	265	264	263	262	261	260	260	260	260	260	260
88.5S	286	285	284	283	282	281	280	280	280	280	280	280
89.5S	286	285	284	283	282	281	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	240.5	241.5	242.5	243.5	244.5	245.5	246.5	247.5	248.5	249.5	250.5	251.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	0	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	0	0	0	4	11	12	12	13	13
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	0	9	18	15	12	10	*	*	*	*	*	*
72.5N	0	7	18	16	15	13	12	10	10	10	9	9
71.5N	*	*	0	4	9	13	18	22	23	24	26	27
70.5N	*	*	*	*	*	*	0	0	0	3	8	12
69.5N	3	*	*	*	*	3	10	15	18	20	20	20
68.5N	24	25	25	22	16	12	9	7	8	8	8	9
67.5N	21	20	20	20	20	19	16	14	11	11	12	14
66.5N	6	9	20	29	36	41	44	44	41	36	29	24
65.5N	9	10	15	23	34	42	47	50	50	50	50	46
64.5N	24	27	32	37	42	46	49	49	46	45	45	46
63.5N	20	21	24	27	32	36	39	40	40	41	44	46
62.5N	20	20	20	20	20	22	26	26	24	22	21	25
61.5N	26	24	21	16	7	16L	16L	19	25	33	41	46
60.5N	49	47	42	36	29	22	17	16	19	25	35	42
59.5N	50	49	46	44	41	37	32	27	22	19	16	16
58.5N	56	52	47	42	37	34	31	29	26	26	29	34
57.5N	62	59	56	54	51	52	57	59	56	52	47	46
56.5N	70	65	65	67	72	74	71	69	66	64	61	57
55.5N	85	74	71	71	74	75	75	76	79	79	78	74
54.5N	134	125	105	90	80	72	67	64	61	60	60	59
53.5N	159	174	171	151	114	87	72	64	61	59	56	54
52.5N	116	142	177	184	161	131	94	72	67	64	61	59
51.5N	77	91	124	144	151	139	106	85	75	69	66	64
50.5N	69	74	91	114	141	149	136	117	92	77	72	69
49.5N	60	60	80	90	100	150	100	90	80	70	70	70
48.5N	50	40	80	90	90	90	100	80	70	70	70	70
47.5N	40	40	80	130	120	100	170	120	90	90	90	80
46.5N	40	40	80	80	170	190	190	180	160	160	150	130
45.5N	48	80	80	90	100	170	190	170	180	180	180	160

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	240.5	241.5	242.5	243.5	244.5	245.5	246.5	247.5	248.5	249.5	250.5	251.5
44.5N	110	115	90	100	160	190	190	190	200	200	200	170
43.5N	140	140	90	80	90	170	160	160	190	220	250	190
42.5N	140	160	115	130	120	130	170	170	190	210	230	200
41.5N	190	160	160	180	200	170	160	100	190	200	190	200
40.5N	120	170	150	170	200	190	160	125	200	280	200	190
39.5N	170	150	200	200	200	200	170	180	190	170	190	200
38.5N	190	170	190	200	190	190	180	210	220	170	190	220
37.5N	160	170	150	160	170	180	170	200	180	170	190	230
36.5N	30	170	110	89	110	90	110	150	160	190	180	180
35.5N	20	80	80	70	90	70	100	170	210	180	180	200
34.5N	30	50	90	90	57	30	80	120	180	190	200	220
33.5N	*	*	15	90	35	20	70	43	80	110	200	200
32.5N	*	*	*	80	30	20	30	60	75	100	120	170
31.5N	*	*	*	*	170	0	0	80	72	95	160	160
30.5N	*	*	*	*	130	0	*	40	59	110	150	180
29.5N	*	*	*	*	*	50	*	0	75	49	120	170
28.5N	*	*	*	*	*	*	60	*	20	30	60	180
27.5N	*	*	*	*	20	20	60	0	*	10	43	75
26.5N	*	*	*	*	*	*	*	40	*	*	10	35
25.5N	*	*	*	*	*	*	*	*	50	*	*	40
24.5N	*	*	*	*	*	*	*	*	30	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	3	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	240.5	241.5	242.5	243.5	244.5	245.5	246.5	247.5	248.5	249.5	250.5	251.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	240.5	241.5	242.5	243.5	244.5	245.5	246.5	247.5	248.5	249.5	250.5	251.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.5S	*	*	*	*	*	*	*	*	*	*	*	*
74.5S	20	20	20	20	19	19	18	18	14	10	*	*
75.5S	155	154	152	144	135	127	118	110	101	92	84	75
76.5S	231	222	212	204	196	188	180	172	164	156	148	140
77.5S	198	197	196	191	186	182	177	172	166	159	153	146
78.5S	160	160	160	160	161	161	162	162	163	164	166	167
79.5S	149	152	154	158	161	165	168	172	174	175	177	178
80.5S	106	110	114	118	122	126	130	134	138	142	146	150
81.5S	81	84	88	91	94	99	105	111	117	123	129	135
82.5S	75	78	80	82	85	89	95	101	107	113	119	126
83.5S	71	74	77	80	83	87	92	97	102	107	112	117
84.5S	87	91	95	100	104	109	115	121	127	133	139	145
85.5S	148	153	157	161	166	172	179	186	194	201	209	216
86.5S	240	238	237	235	234	234	237	240	242	245	248	250
87.5S	260	260	260	260	260	260	260	260	260	260	260	260
88.5S	279	279	279	279	279	279	278	277	276	275	274	273
89.5S	280	280	280	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	252.5	253.5	254.5	255.5	256.5	257.5	258.5	259.5	260.5	261.5	262.5	263.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	0	0	*	4	9	9
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	14	13	12	11	10	10	9	9	9	8	8	8
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	9	8	7	6	6	5	5	4	4	4	4	3
71.5N	28	25	22	20	17	14	*	*	*	*	*	*
70.5N	16	16	17	17	17	18	16	14	12	10	8	8
69.5N	20	21	24	24	21	16	9	6	6	6	8	10
68.5N	9	8	7	5	*	*	*	*	*	1	5	7
67.5N	16	17	16	14	11	10	10	9	9	10	10	10
66.5N	21	20	20	20	20	19	16	15	15	16	19	20
65.5N	39	31	24	20	20	19	16	14	11	10	10	11
64.5N	49	49	46	41	34	27	22	19	16	14	11	10
63.5N	49	49	46	41	34	27	22	20	20	19	16	14
62.5N	35	42	47	49	46	41	34	27	22	19	16	14
61.5N	49	50	50	49	46	42	37	32	27	22	17	14
60.5N	47	50	50	50	50	50	50	47	42	36	27	20
59.5N	19	25	35	42	47	50	50	47	42	35	25	17
58.5N	41	46	49	50	50	50	50	47	42	36	29	22
57.5N	49	50	50	50	50	35L	50	47	42	36	29	22
56.5N	52	50	50	50	50	49	46	41	34	27	22	19
55.5N	66	61	57	54	51	49	46	41	34	26	19	14
54.5N	56	54	51	49	46	42	37	32	27	22	17	14
53.5N	51	50	50	49	46	42	37	31	24	22L	12	11
52.5N	56	54	51	50	50	49	46	40	30	24	22L	20
51.5N	61	59	56	54	51	50	50	45	35	25	15	11
50.5N	66	64	61	60	60	59	56	50	40	30	20	15
49.5N	70	70	70	60	60	50	50	50	50	30	10	20
48.5N	70	80	70	60	60	60	50	50	40	49	32	20
47.5N	80	90	90	70	60	60	50	50	50	40	40	30
46.5N	90	80	80	90	80	75	75	60	50	50	40	40
45.5N	130	140	130	110	90	70	60	50	50	40	40	40

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	252.5	253.5	254.5	255.5	256.5	257.5	258.5	259.5	260.5	261.5	262.5	263.5
44.5N	190	180	160	130	100	80	60	40	50	50	40	40
43.5N	200	180	160	140	110	90	100	70	50	40	40	40
42.5N	200	190	190	160	130	110	100	90	70	40	40	40
41.5N	210	220	210	180	150	120	100	80	70	50	40	40
40.5N	220	285	260	180	160	130	90	80	70	50	50	40
39.5N	230	310	280	200	170	140	100	80	70	40	40	30
38.5N	260	280	240	170	170	140	110	90	70	50	40	40
37.5N	270	270	260	210	170	140	100	80	70	50	40	40
36.5N	220	220	250	190	160	140	110	100	70	40	30	30
35.5N	210	190	200	170	140	105	100	90	70	40	30	20
34.5N	200	180	180	150	130	120	80	70	40	30	30	20
33.5N	180	180	190	120	120	110	90	70	40	40	30	20
32.5N	170	170	170	100	110	100	80	70	50	40	20	20
31.5N	160	140	120	100	80	80	80	60	40	30	20	20
30.5N	170	145	110	110	100	70	50	60	50	30	20	20
29.5N	170	140	110	100	100	70	50	40	40	30	20	10
28.5N	180	170	150	125	110	110	50	30	20	20	9	0
27.5N	170	200	170	160	160	130	60	20	20	20	0	*
26.5N	170	210	180	180	180	160	110	50	30	20	*	*
25.5N	60	190	180	170	170	170	140	100	50	20	0	*
24.5N	20	100	190	170	170	190	190	160	60	39	*	*
23.5N	*	30	90	160	200	200	190	180	100	30	*	*
22.5N	*	*	20	170	160	200	200	160	70	30	*	*
21.5N	*	*	*	75	140	160	230	190	95	29	*	*
20.5N	*	*	0	140	150	140	150	160	190	180	0	*
19.5N	*	*	*	25	125	185	160	160	230	280	220	*
18.5N	*	*	*	*	*	25	23	35	80	130	150	57
17.5N	*	*	*	*	*	*	*	50	75	80	140	140
16.5N	*	*	*	*	*	*	*	*	*	0	30	110
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	252.5	253.5	254.5	255.5	256.5	257.5	258.5	259.5	260.5	261.5	262.5	263.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	252.5	253.5	254.5	255.5	256.5	257.5	258.5	259.5	260.5	261.5	262.5	263.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	0
73.5S	*	*	*	*	*	*	*	*	*	*	*	0
74.5S	*	*	*	*	*	*	*	*	*	0	0	4
75.5S	66	64	63	61	60	58	63	68	74	79	84	80
76.5S	132	126	120	114	108	102	104	105	107	108	110	110
77.5S	140	140	140	140	140	140	140	140	140	140	140	140
78.5S	168	166	165	163	162	160	160	161	161	162	162	164
79.5S	180	181	182	182	183	184	188	191	195	198	202	204
80.5S	154	158	162	166	170	173	177	181	185	189	192	196
81.5S	141	147	153	159	164	170	175	181	186	192	197	203
82.5S	132	138	144	150	156	163	169	175	182	188	194	200
83.5S	122	127	132	137	142	147	151	156	161	165	170	175
84.5S	151	157	163	169	174	179	185	190	196	201	206	212
85.5S	223	231	238	243	244	246	248	250	251	253	255	256
86.5S	253	256	259	260	260	260	260	260	259	259	259	259
87.5S	260	260	260	260	260	260	260	260	260	260	260	260
88.5S	272	271	270	270	270	270	270	270	269	269	269	269
89.5S	280	280	280	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	264.5	265.5	266.5	267.5	268.5	269.5	270.5	271.5	272.5	273.5	274.5	275.5
	DEGREES EAST LONGITUDE											
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	*	*	*	*	*	*	*	*	*	0	0	0
80.5N	*	*	*	*	*	*	*	*	*	0	0	0
79.5N	*	*	0	0	7	16	24	33	42	50	58	66
78.5N	9	9	9	9	9	9	9	9	10	10	11	12
77.5N	*	*	*	*	*	*	*	*	0	0	2	5
76.5N	0	0	2	6	9	12	14	17	20	20	20	20
75.5N	9	9	9	9	11	13	15	17	19	22	26	29
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	0	0	1	6	10	15	19	24	24	23	23
72.5N	1	0	*	*	*	*	*	*	0	*	2	8
71.5N	1	4	8	11	12	13	14	15	16	16	16	17
70.5N	7	7	6	6	7	8	8	9	10	10	11	11
69.5N	10	10	10	10	9	7	3	*	*	*	*	*
68.5N	9	10	10	11	14	14	13	9	3	*	3	6
67.5N	10	11	14	16	19	18	15	13	10	9	10	12
66.5N	20	20	20	20	20	19	16	13	10	7	6	5
65.5N	14	16	19	19	16	13	9	6	4	3	3	1
64.5N	10	10	10	10	10	10	10	8	5	*	3	6
63.5N	13	12	12	11	9	5	*	*	*	*	0	2
62.5N	11	10	9	7	3	*	*	*	*	*	*	*
61.5N	11	8	4	*	*	*	*	*	*	*	*	*
60.5N	15	9	3	*	*	*	*	*	*	*	*	*
59.5N	11	6	2	*	*	*	*	*	*	*	*	*
58.5N	17	13	8	3	*	*	*	*	*	*	*	*
57.5N	17	13	9	5	2	*	*	*	*	*	*	*
56.5N	16	13	10	8	7	6	5	3	*	*	*	*
55.5N	11	10	10	9	9	9	8	7	5	2	*	*
54.5N	11	10	10	10	10	10	10	10	10	10	10	9
53.5N	14	15	15	14	11	11	14	16	19	19	16	13
52.5N	17	16	19	20	20	20	20	20	20	19	16	13
51.5N	14	16	19	20	20	20	20	20	20	20	20	19
50.5N	15	17	22	26	29	29	26	24	21	20	20	20
49.5N	20	20	20	20	20	30	20	20	20	20	20	20
48.5N	20	30	30	20	20	30	20	18L	18L	5	20	20
47.5N	30	20	20	30	20	18L	18L	18L	18L	18L	18L	20
46.5N	40	30	30	30	20	20	30	30	20	20	20	20
45.5N	40	30	30	30	20	20	30	20	20	18L	18L	10

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	264.5	265.5	266.5	267.5	268.5	269.5	270.5	271.5	272.5	273.5	274.5	275.5
44.5N	40	30	30	30	20	30	20	20	18L	18L	20	20
43.5N	40	40	30	30	20	20	20	20	18L	15	20	20
42.5N	30	30	30	20	20	20	20	20	18L	18L	20	20
41.5N	30	30	30	20	20	20	20	20	20	20	20	20
40.5N	30	30	20	20	20	20	20	20	20	20	20	20
39.5N	30	20	20	20	20	20	20	20	20	20	20	20
38.5N	30	30	20	20	20	20	10	10	20	20	20	20
37.5N	30	30	20	20	20	20	10	10	10	20	20	30
36.5N	20	20	20	20	20	20	9	10	20	20	30	40
35.5N	20	20	20	20	20	10	9	20	20	30	30	40
34.5N	20	20	20	20	10	10	8	10	20	20	30	50
33.5N	20	20	10	10	10	10	7	10	20	20	20	20
32.5N	20	20	10	10	10	9	6	9	10	20	20	20
31.5N	20	10	10	8	7	8	3	5	8	9	9	10
30.5N	10	8	6	6	5	5	2	5	0	0	5	6
29.5N	5	0	0	0	0	5	0	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	0	0	0	*	*
20.5N	*	*	*	*	*	*	0	5	5	*	*	*
19.5N	*	*	*	*	*	*	10	8	*	*	*	*
18.5N	*	*	*	0	0	5	20	10	5	*	*	*
17.5N	70	20	30	40	30	20	20	20	*	*	*	*
16.5N	50	29	60	130	50	20	40	0	0	*	*	*
15.5N	*	*	0	90	180	100	50	45	25	50	25	25
14.5N	*	*	*	*	90	100	80	90	100	70	60	30
13.5N	*	*	*	*	*	*	30	20	50	70	70	40
12.5N	*	*	*	*	*	*	*	*	5	40	40	30
11.5N	*	*	*	*	*	*	*	*	*	30	0	30
10.5N	*	*	*	*	*	*	*	*	*	*	20	80
9.5N	*	*	*	*	*	*	*	*	*	*	*	15
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	264.5	265.5	266.5	267.5	268.5	269.5	270.5	271.5	272.5	273.5	274.5	275.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	264.5	265.5	266.5	267.5	268.5	269.5	270.5	271.5	272.5	273.5	274.5	275.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	0	12	23	17	*	*	*	*	*	*	*
73.5S	3	11	18	26	32	37	43	48	54	56	59	61
74.5S	21	37	54	70	78	87	95	104	112	113	114	114
75.5S	76	72	68	64	69	74	78	83	88	94	100	106
76.5S	110	110	110	110	110	111	111	112	112	114	115	117
77.5S	140	140	140	140	142	143	145	146	148	151	154	158
78.5S	166	168	170	172	178	185	191	198	204	215	226	238
79.5S	205	207	208	210	208	205	203	200	198	188	179	169
80.5S	200	202	203	204	205	206	207	208	209	210	211	208
81.5S	208	211	211	211	211	211	211	211	211	211	211	206
82.5S	207	210	209	208	208	207	206	205	205	204	203	199
83.5S	180	183	184	185	187	188	190	191	192	194	195	194
84.5S	217	220	219	219	219	218	218	217	217	217	216	214
85.5S	258	258	256	255	253	251	250	248	246	245	243	238
86.5S	259	258	257	255	253	252	250	249	247	245	244	240
87.5S	260	260	260	259	259	259	259	259	258	258	258	257
88.5S	269	269	268	267	266	265	264	263	262	261	260	260
89.5S	280	280	280	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	276.5	277.5	278.5	279.5	280.5	281.5	282.5	283.5	284.5	285.5	286.5	287.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	0	0	0	0	3	11	19
81.5N	0	0	3	10	18	25	32	39	46	50	49	49
80.5N	0	0	3	6	9	12	15	18	21	24	27	29
79.5N	74	82	74	67	59	52	44	38	31	25	18	*
78.5N	13	13	17	20	23	26	30	25	19	14	9	*
77.5N	7	10	12	14	16	18	20	*	*	*	*	*
76.5N	20	20	18	17	15	14	*	*	*	*	*	*
75.5N	33	36	33	30	28	25	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	22	22	23	24	26	27	28	18	9	*	*	*
72.5N	15	22	24	25	27	28	30	26	21	17	*	*
71.5N	17	17	17	17	17	17	17	21	26	30	35	39
70.5N	12	12	14	15	17	18	20	21	22	24	25	26
69.5N	0	1	*	*	*	*	*	1	5	11	20	34
68.5N	11	11	7	*	*	*	*	*	*	*	4	16
67.5N	15	16	15	10	*	*	*	*	*	*	*	0
66.5N	5	3	*	*	*	*	*	2	5	8	9	9
65.5N	*	*	*	*	*	*	*	5	10	14	17	18
64.5N	12	10	*	*	*	*	*	0	3	7	8	8
63.5N	2	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	0	3	9	11	10	7
60.5N	*	*	*	*	*	*	0	2	6	8	9	10
59.5N	*	*	*	*	*	*	0	3	9	14	18	19
58.5N	*	*	*	*	*	*	0	6	12	16	19	19
57.5N	*	*	*	*	*	*	1	6	12	16	19	20
56.5N	*	*	*	*	*	*	2	7	12	16	19	20
55.5N	*	*	*	*	*	*	3	7	12	17	22	27
54.5N	7	3	*	*	*	1	7	14	21	27	32	37
53.5N	8	4	1	*	3	6	12	17	22	29	36	42
52.5N	9	6	3	*	*	1	6	11	17	24	31	39
51.5N	16	13	8	6	6	8	13	16	19	22	27	32
50.5N	20	20	20	20	20	20	20	21	24	26	29	30
49.5N	20	20	20	20	20	20	20	20	20	20	20	20
48.5N	20	20	20	20	20	20	20	20	20	20	20	20
47.5N	20	20	20	20	20	20	20	20	20	20	20	30
46.5N	20	20	20	20	20	30	30	30	20	20	20	20
45.5N	18L	18L	18L	18L	20	30	30	20	20	20	20	30

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	276.5	277.5	278.5	279.5	280.5	281.5	282.5	283.5	284.5	285.5	286.5	287.5
44.5N	15	18L	9	30	20	20	20	20	25	60	35	30
43.5N	20	18L	20	20	10	6	8L	3	30	40	20	30
42.5N	20	20	18L	18L	20	40	40	25	30	40	30	20
41.5N	20	18L	20	20	40	50	40	40	40	35	30	8
40.5N	20	20	20	30	30	40	30	25	25	20	5	*
39.5N	20	20	20	30	60	35	20	20	8	5	*	*
38.5N	20	20	30	50	90	40	20	0	4	*	*	*
37.5N	40	50	60	70	40	20	10	5	*	*	*	*
36.5N	40	50	90	50	20	20	10	5	*	*	*	*
35.5N	90	90	30	20	20	10	5	0	*	*	*	*
34.5N	50	20	20	20	10	6	0	*	*	*	*	*
33.5N	20	20	10	7	4	*	*	*	*	*	*	*
32.5N	20	10	7	0	*	*	*	*	*	*	*	*
31.5N	10	8	3	*	*	*	*	*	*	*	*	*
30.5N	7	8	0	*	*	*	*	*	*	*	*	*
29.5N	*	5	10	*	*	*	*	*	*	*	*	*
28.5N	*	0	7	0	*	*	*	*	*	*	*	*
27.5N	*	*	6	5	*	*	*	*	*	*	*	*
26.5N	*	*	5	4	*	*	*	*	*	*	*	*
25.5N	*	*	*	0	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	2	0	0	30	0	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	5	20	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	70	0	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	40
18.5N	*	*	*	*	*	*	*	*	*	*	*	0
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	0	*	*	*	*	*	*	*	*	*	*	*
14.5N	5	*	*	*	*	*	*	*	*	*	*	*
13.5N	0	*	*	*	*	*	*	*	*	*	*	*
12.5N	0	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	9
10.5N	8	*	*	*	*	*	*	*	*	10	120	70
9.5N	130	10	*	*	5	*	*	*	5	10	30	20
8.5N	0	80	90	40	*	15	15	15	20	10	70	30
7.5N	*	*	*	20	*	*	40	80	40	40	70	130
6.5N	*	*	*	*	*	*	*	160	100	60	100	220
5.5N	*	*	*	*	*	*	*	100	150	90	250	150
4.5N	*	*	*	*	*	*	*	120	280	130	100	30
3.5N	*	*	*	*	*	*	*	200	110	180	40	30
2.5N	*	*	*	*	*	0	20	270	95	69	40	30
1.5N	*	*	*	*	*	10	160	170	70	30	30	30
0.5N	*	*	*	*	20	150	300	45	20	20	20	30

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	276.5	277.5	278.5	279.5	280.5	281.5	282.5	283.5	284.5	285.5	286.5	287.5
0.5S	*	*	*	0	95	380	250	30	20	20	20	20
1.5S	*	*	*	22	100	290	75	30	20	20	20	20
2.5S	*	*	*	20	120	210	73	20	20	20	20	20
3.5S	*	*	*	20	160	180	30	20	20	20	20	20
4.5S	*	*	*	40	200	130	33	20	20	20	20	20
5.5S	*	*	*	10	77	73	82	20	20	20	20	20
6.5S	*	*	*	0	30	130	120	53	30	40	30	20
7.5S	*	*	*	*	5	190	130	70	30	40	40	31
8.5S	*	*	*	*	*	90	340	220	52	29	50	40
9.5S	*	*	*	*	*	39	280	290	77	80	60	60
0.5S	*	*	*	*	*	*	150	360	250	130	50	50
1.5S	*	*	*	*	*	*	22	290	270	140	150	90
2.5S	*	*	*	*	*	*	*	30	310	200	200	220
3.5S	*	*	*	*	*	*	*	*	150	330	290	290
4.5S	*	*	*	*	*	*	*	*	90	270	420	420
5.5S	*	*	*	*	*	*	*	*	*	50	200	440
6.5S	*	*	*	*	*	*	*	*	*	*	*	50
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	20
7.5S	*	*	*	*	*	*	*	*	*	*	20	20
8.5S	*	*	*	*	*	*	*	*	*	*	2	20
9.5S	*	*	*	*	*	*	*	*	*	*	*	20
0.5S	*	*	*	*	*	*	*	*	*	*	30	38
1.5S	*	*	*	*	*	*	*	*	*	*	23	35
2.5S	*	*	*	*	*	*	*	*	*	*	20	40
3.5S	*	*	*	*	*	*	*	*	*	*	*	80
4.5S	*	*	*	*	*	*	*	*	*	0	0	80

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	276.5	277.5	278.5	279.5	280.5	281.5	282.5	283.5	284.5	285.5	286.5	287.5
45.5S	*	*	*	*	*	*	*	*	*	*	20	100
46.5S	*	*	*	*	*	*	*	*	*	20	100	90
47.5S	*	*	*	*	*	*	*	*	5	5	80	130
48.5S	*	*	*	*	*	*	*	*	0	6	100	60
49.5S	*	*	*	*	*	*	*	*	0	20	110	50
50.5S	*	*	*	*	*	*	*	*	*	*	0	23
51.5S	*	*	*	*	*	*	*	*	*	*	*	0
52.5S	*	*	*	*	*	*	*	*	*	*	*	0
53.5S	*	*	*	*	*	*	*	*	*	*	*	0
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.5S	64	66	62	57	53	48	44	40	36	32	28	24
74.5S	115	116	115	114	114	113	112	121	130	140	149	158
75.5S	112	118	120	121	123	124	126	138	151	163	176	188
76.5S	118	120	122	125	127	130	132	142	152	162	172	182
77.5S	161	164	154	143	133	122	112	121	130	140	149	158
78.5S	249	260	230	199	169	138	108	113	118	122	127	132
79.5S	160	150	145	140	136	131	126	106	87	67	48	28
80.5S	200	191	183	175	166	158	150	141	133	124	114	104
81.5S	197	188	179	170	161	152	143	134	125	117	108	100
82.5S	192	185	178	171	164	157	150	143	136	130	123	116
83.5S	190	186	183	179	175	171	167	164	160	157	156	154
84.5S	210	207	203	199	196	192	188	185	181	179	179	178
85.5S	231	224	216	209	202	195	187	180	173	169	168	168
86.5S	234	227	221	215	208	202	196	189	183	180	180	180
87.5S	255	253	252	250	248	246	244	243	241	240	240	240
88.5S	260	260	260	260	260	260	260	260	260	260	260	260
89.5S	280	280	280	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	288.5	289.5	290.5	291.5	292.5	293.5	294.5	295.5	296.5	297.5	298.5	299.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	27	34	42	50	58	66	74	77	74	71	69	66
81.5N	48	47	47	46	46	45	45	42	38	34	30	26
80.5N	31	34	36	39	41	43	46	46	44	42	41	39
79.5N	*	*	*	*	*	*	*	*	0	0	15	32
78.5N	5	6	7	7	8	23	38	54	69	84	90	95
77.5N	*	*	*	0	0	14	30	46	62	78	87	96
76.5N	*	*	*	0	0	0	19	41	62	84	90	95
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	28	31	33	36	38	22	*	*	*	*	*	*
69.5N	51	59	56	45	24	*	*	*	*	*	*	*
68.5N	34	46	54	48	29	*	*	*	*	*	*	*
67.5N	2	9	21	36	55	61	54	36	*	*	*	*
66.5N	7	7	10	13	18	20	20	21	24	19	6	*
65.5N	19	21	24	21	14	*	*	*	*	*	*	*
64.5N	8	10	15	23	34	35	25	*	*	*	*	*
63.5N	0	13	26	30	26	23	20	14	5	*	*	*
62.5N	*	*	*	*	3	5	3	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	10	7	2	*	*	*	*	*	*	*	*	*
59.5N	16	11	4	*	*	*	4	12	16	*	*	*
58.5N	16	13	10	9	8	12	20	24	25	18	*	*
57.5N	20	20	20	20	20	22	27	34	41	38	24	*
56.5N	20	20	20	21	24	27	32	36	39	34	21	*
55.5N	32	36	39	41	44	46	49	50	50	47	42	30
54.5N	42	46	49	50	50	50	50	50	50	50	50	47
53.5N	47	50	50	50	50	50	50	50	50	46	39	31
52.5N	46	50	50	52	57	64	71	75	75	70	60	51
51.5N	37	40	40	39	36	36	39	45	55	57	52	44
50.5N	30	30	30	27	22	17	12	10	10	10	10	7
49.5N	20	20	10	10	0	*	*	*	*	*	*	*
48.5N	20	20	3	0	40	50	40	10	*	*	*	*
47.5N	40	40	10	20	30	40	10	*	*	*	*	*
46.5N	20	40	30	30	20	10	7	0	0	*	*	10
45.5N	50	40	20	10	10	0	10	5	25	20	5	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	288.5	289.5	290.5	291.5	292.5	293.5	294.5	295.5	296.5	297.5	298.5	299.5
44.5N	40	20	10	5	*	*	20	10	*	*	*	*
43.5N	30	5	*	*	*	*	0	*	*	*	*	*
42.5N	20	*	*	*	*	*	*	*	*	*	*	*
41.5N	0	0	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	80	0	*	*	*	*	*	*	*	*	*	*
18.5N	90	50	0	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	0	10	*	*	*	*	*	*	*	*	*
10.5N	6	40	60	30	30	40	*	*	30	0	10	*
9.5N	*	90	50	30	30	30	20	30	30	9	5	*
8.5N	170	170	20	20	20	20	20	20	20	10	5	0
7.5N	50	20	20	20	20	20	20	50	30	30	20	20
6.5N	30	20	20	20	20	50	60	40	40	50	35	30
5.5N	20	20	20	20	30	70	60	50	50	80	100	78
4.5N	20	20	20	20	40	40	70	60	50	50	85	75
3.5N	20	20	20	20	20	30	35	60	50	40	20	20
2.5N	20	20	20	20	20	20	30	40	50	32	19	20
1.5N	30	20	20	20	20	20	33	40	20	20	24	20
0.5N	20	20	20	20	20	20	30	20	20	20	10	20

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	288.5	289.5	290.5	291.5	292.5	293.5	294.5	295.5	296.5	297.5	298.5	299.5
0.5S	20	20	20	20	20	20	20	20	20	20	20	20
1.5S	20	20	20	20	20	20	20	20	20	10	20	20
2.5S	20	20	20	20	20	10	10	10	10	10	10	10
3.5S	20	20	20	20	20	10	10	10	10	10	10	10
4.5S	20	20	20	20	20	20	20	20	20	10	10	10
5.5S	20	20	20	20	20	20	20	20	20	20	20	20
6.5S	20	20	20	20	20	20	20	20	20	20	20	20
7.5S	20	20	20	20	20	20	20	20	20	20	20	20
8.5S	30	20	20	20	20	20	20	20	20	20	20	20
9.5S	40	30	20	20	20	20	20	20	20	20	20	20
10.5S	50	50	41	35	29	35	20	20	20	20	20	20
11.5S	80	50	40	40	30	20	20	20	20	20	20	20
12.5S	200	65	30	40	40	20	20	20	20	20	20	20
13.5S	420	160	80	60	20	20	20	20	20	20	20	20
14.5S	440	440	410	270	30	30	20	20	20	20	20	30
15.5S	460	370	320	370	90	90	37	20	20	20	30	30
16.5S	290	400	420	490	370	290	91	60	30	30	30	30
17.5S	0	260	490	410	450	480	340	250	100	40	30	40
18.5S	*	*	360	520	360	470	290	190	110	30	30	40
19.5S	*	*	290	420	350	450	260	140	90	30	30	20
20.5S	*	*	180	470	340	410	270	150	100	40	20	20
21.5S	*	*	140	430	420	400	220	180	90	30	20	20
22.5S	*	*	140	350	560	380	300	160	70	20	20	20
23.5S	*	*	160	250	430	340	270	90	20	20	20	20
24.5S	*	0	170	490	360	370	140	80	27	20	20	20
25.5S	*	10	400	550	470	250	160	76	30	20	20	20
26.5S	*	60	290	370	340	300	150	60	20	20	20	10
27.5S	*	60	310	370	220	150	100	34	20	20	20	10
28.5S	180	155	310	180	190	95	80	33	20	20	20	10
29.5S	*	260	240	160	150	40	40	30	34	20	20	10
30.5S	20	330	210	85	90	70	40	70	28	20	20	10
31.5S	*	330	250	83	77	70	80	90	30	20	10	12
32.5S	0	230	250	70	52	70	80	80	30	20	10	14
33.5S	20	190	290	80	50	70	75	40	20	20	10	8
34.5S	30	300	220	87	75	50	47	20	20	10	10	8
35.5S	35	300	160	170	50	30	30	20	20	20	10	10
36.5S	200	330	200	160	50	30	20	20	20	20	20	20
37.5S	130	180	160	70	40	30	20	20	20	50	40	30
38.5S	170	120	73	40	40	30	20	30	30	33	30	12
39.5S	170	75	50	50	50	30	20	20	20	0	*	*
40.5S	100	72	90	100	70	30	10	7	9	0	*	*
41.5S	120	110	100	90	80	80	50	*	0	*	*	*
42.5S	100	67	70	100	70	38	30	0	*	*	*	*
43.5S	83	88	70	50	30	20	10	*	*	*	*	*
44.5S	120	80	90	50	30	20	5	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	288.5	289.5	290.5	291.5	292.5	293.5	294.5	295.5	296.5	297.5	298.5	299.5
45.5S	85	65	80	30	30	*	*	*	*	*	*	*
46.5S	71	50	50	40	0	*	*	*	*	*	*	*
47.5S	80	80	60	40	20	8	*	*	*	*	*	*
48.5S	70	40	50	30	10	0	*	*	*	*	*	*
49.5S	40	30	20	23	*	*	*	*	*	*	*	*
50.5S	40	42	30	18	8	*	*	*	*	*	*	*
51.5S	18	26	19	12	*	*	*	*	*	*	*	*
52.5S	7	18	15	11	4	*	*	*	*	*	*	*
53.5S	0	17	12	8	4	*	*	*	*	*	*	*
54.5S	*	*	0	11	25	26	14	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	0	6
65.5S	*	*	*	*	*	*	*	*	4	15	15	*
66.5S	*	*	*	*	*	*	2	12	16	11	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	0	1	2	*	*	*	*
69.5S	30	45	45	*	45	66	109	135	145	131	94	54
70.5S	*	0	7	1o	26	36	45	55	64	74	58	43
71.5S	0	0	8	15	22	35	48	60	73	86	91	96
72.5S	*	4	10	15	20	30	41	51	62	72	75	78
73.5S	32	40	48	56	64	77	90	104	117	130	104	79
74.5S	158	153	158	158	158	157	156	156	155	154	123	92
75.5S	187	186	186	185	184	182	179	177	174	172	146	120
76.5S	182	183	183	184	184	173	162	152	141	130	106	82
77.5S	152	147	141	136	130	112	94	77	59	41	34	27
78.5S	122	112	102	92	82	67	53	38	24	9	8	7
79.5S	26	24	22	20	18	16	14	12	10	8	9	9
80.5S	94	84	74	64	54	44	34	28	28	27	26	25
81.5S	92	83	75	67	58	50	42	36	34	32	30	28
82.5S	110	103	97	90	83	77	70	66	63	60	58	55
83.5S	152	151	149	148	146	144	143	143	144	146	148	150
84.5S	178	178	177	177	177	176	176	179	184	190	196	202
85.5S	168	167	167	166	166	166	165	167	172	177	181	186
86.5S	181	181	181	181	181	182	182	183	185	187	189	191
87.5S	240	240	240	241	241	241	241	241	242	243	244	245
88.5S	260	260	260	260	260	260	260	260	260	260	260	260
89.5S	280	280	280	280	280	280	280	280	280	280	280	280

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	300.5	301.5	302.5	303.5	304.5	305.5	306.5	307.5	308.5	309.5	310.5	311.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	64	61	58	56	53	49	42	*	*	*	*	*
81.5N	22	18	14	10	6	9	17	26	35	43	52	61
80.5N	37	35	33	32	30	33	42	51	60	69	77	86
79.5N	48	65	82	93	104	114	125	136	142	149	155	162
78.5N	101	106	112	123	134	144	155	166	172	177	183	188
77.5N	104	113	122	133	144	154	165	176	182	187	193	198
76.5N	101	106	112	124	135	147	158	170	178	187	195	204
75.5N	*	*	0	24	58	92	126	160	169	178	188	197
74.5N	*	*	*	*	*	0	0	30	64	98	132	166
73.5N	*	*	*	*	*	0	0	20	54	89	123	158
72.5N	*	*	*	*	*	0	0	6	38	70	102	134
71.5N	*	*	*	*	*	*	*	0	12	35	57	80
70.5N	*	*	*	*	*	*	*	0	0	24	48	73
69.5N	*	*	*	*	*	*	6	26	47	66	84	106
68.5N	*	*	*	*	*	*	*	*	2	26	59	94
67.5N	*	*	*	*	*	*	5	25	45	65	85	109
66.5N	*	*	*	*	*	*	4	27	52	75	95	120
65.5N	*	*	*	*	*	*	*	*	21	54	91	129
64.5N	*	*	*	*	*	*	*	*	15	54	91	129
63.5N	*	*	*	*	*	*	*	*	*	29	81	131
62.5N	*	*	*	*	*	*	*	*	*	*	7	81
61.5N	*	*	*	*	*	*	*	*	*	*	*	0
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	10	*	*	*	*	*	*	*	*	*	*	*
54.5N	42	31	14	*	*	*	*	*	*	*	*	*
53.5N	24	20	20	15	5	*	*	*	*	*	*	*
52.5N	44	37	32	23	9	*	*	*	*	*	*	*
51.5N	31	22	17	11	*	*	*	*	*	*	*	*
50.5N	*	*	*	0	*	*	*	*	*	*	*	*
49.5N	*	*	30	30	0	0	*	*	*	*	*	*
48.5N	*	20	20	30	20	20	0	*	*	*	*	*
47.5N	*	*	*	*	10	0	10	5	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	300.5	301.5	302.5	303.5	304.5	305.5	306.5	307.5	308.5	309.5	310.5	311.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	10	0	*	*	*	*	*	*	*	*	*	*
6.5N	10	8	0	*	*	*	*	*	*	*	*	*
5.5N	40	10	9	10	10	10	0	*	*	*	*	*
4.5N	41	20	20	20	20	10	10	10	*	*	*	*
3.5N	20	20	23	40	20	20	20	10	10	*	*	*
2.5N	20	20	20	30	30	40	20	20	20	*	*	*
1.5N	30	20	20	30	30	30	20	20	10	5	*	*
0.5N	20	20	20	19	30	20	20	20	10	0	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	300.5	301.5	302.5	303.5	304.5	305.5	306.5	307.5	308.5	309.5	310.5	311.5
0.5S	20	20	20	20	20	20	20	10	3	2	4	0
1.5S	20	20	20	20	20	20	20	10	4	5	3	2
2.5S	10	10	10	10	10	10	10	10	10	9	8	8
3.5S	10	10	10	10	10	10	10	20	20	20	10	20
4.5S	10	10	10	20	20	20	20	20	20	20	20	20
5.5S	10	20	20	20	20	20	20	20	20	20	20	20
6.5S	20	20	20	20	20	20	20	20	20	20	20	20
7.5S	20	20	20	20	20	20	20	20	20	20	20	20
8.5S	20	20	20	20	20	30	30	30	30	20	20	20
9.5S	20	20	20	20	20	30	30	30	30	20	20	20
10.5S	20	20	20	30	30	40	30	30	28	20	20	28
11.5S	20	20	30	30	30	40	40	30	30	30	40	43
12.5S	30	30	30	30	30	40	40	40	39	42	40	30
13.5S	31	38	40	40	40	40	40	40	40	40	50	50
14.5S	50	50	42	40	40	50	50	40	40	40	50	68
15.5S	38	30	30	20	50	50	50	40	40	60	80	100
16.5S	20	20	20	20	20	44	50	57	61	72	80	80
17.5S	35	20	20	20	20	35	50	80	80	72	50	50
18.5S	30	20	20	20	20	35	50	60	50	40	40	40
19.5S	20	20	20	20	30	40	40	40	40	50	50	50
20.5S	20	20	20	20	50	50	40	40	40	40	40	40
21.5S	20	20	20	30	50	40	40	73	40	40	40	50
22.5S	20	20	20	33	60	50	40	42	43	45	50	50
23.5S	20	20	20	20	60	50	38	41	40	54	40	50
24.5S	20	20	20	20	20	20	30	40	40	80	100	72
25.5S	20	20	20	20	20	20	34	40	75	85	90	12
26.5S	10	20	20	20	20	30	30	40	80	80	70	5
27.5S	10	10	20	20	20	27	45	43	40	48	80	5
28.5S	10	10	20	20	20	38	40	40	73	80	60	0
29.5S	10	10	20	20	20	20	20	20	20	40	0	*
30.5S	10	10	20	20	20	20	20	20	10	0	*	*
31.5S	13	16	10	20	20	20	20	10	0	*	*	*
32.5S	12	10	16	20	20	20	15	5	*	*	*	*
33.5S	6	4	10	10	10	10	6	*	*	*	*	*
34.5S	5	3	0	5	5	5	0	*	*	*	*	*
35.5S	8	4	5	*	*	*	*	*	*	*	*	*
36.5S	10	12	5	0	*	*	*	*	*	*	*	*
37.5S	20	20	4	5	*	*	*	*	*	*	*	*
38.5S	5	0	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	300.5	301.5	302.5	303.5	304.5	305.5	306.5	307.5	308.5	309.5	310.5	311.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	0	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	12	10	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	100	105	110	*	*	*	*	*	*	*	*	*
72.5S	82	85	88	*	*	*	*	*	*	*	*	*
73.5S	53	*	*	*	*	*	*	*	*	*	*	*
74.5S	62	*	*	*	*	*	*	*	*	*	*	*
75.5S	94	68	42	*	*	*	*	*	*	*	*	*
76.5S	57	33	9	7	5	*	*	*	*	*	*	*
77.5S	19	12	5	5	5	5	5	5	4	3	2	*
78.5S	7	6	5	6	6	7	7	8	10	13	15	18
79.5S	10	10	11	12	14	15	17	18	22	25	29	32
80.5S	24	23	22	21	20	19	19	18	18	17	17	16
81.5S	25	23	21	19	16	15	15	14	14	13	13	12
82.5S	52	49	47	44	41	40	40	40	41	41	41	41
83.5S	151	153	155	156	158	158	157	156	155	154	153	152
84.5S	207	213	219	224	230	234	236	238	240	242	244	246
85.5S	191	195	200	205	210	213	214	216	218	220	221	223
86.5S	193	196	198	200	202	204	207	210	212	215	218	220
87.5S	246	247	248	249	250	251	252	253	254	255	255	256
88.5S	260	260	260	260	260	260	260	260	260	260	260	260
89.5S	280	280	280	280	280	280	280	280	280	280	279	279

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	312.5	313.5	314.5	315.5	316.5	317.5	318.5	319.5	320.5	321.5	322.5	323.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	3	0	0	0	0	3	9	16	22	29	35	41
81.5N	69	78	87	91	92	93	94	95	96	97	98	99
80.5N	95	104	113	120	126	132	139	145	151	157	163	170
79.5N	168	175	182	190	197	204	206	208	210	212	214	208
78.5N	194	198	202	206	210	214	216	219	221	224	226	222
77.5N	204	208	212	216	220	224	226	229	231	234	236	232
76.5N	212	215	218	220	223	226	231	236	242	247	252	252
75.5N	206	212	219	225	232	238	245	252	258	265	272	273
74.5N	200	209	218	228	237	246	252	257	263	268	274	276
73.5N	192	203	214	226	237	248	256	263	271	278	286	289
72.5N	166	181	196	210	225	240	249	258	268	277	286	289
71.5N	102	130	157	185	212	240	249	258	268	277	286	290
70.5N	98	123	148	172	197	222	234	245	257	268	280	286
69.5N	132	159	186	206	219	230	240	254	271	286	299	302
68.5N	131	161	184	199	206	215	225	239	256	271	284	289
67.5N	136	164	191	214	231	241	244	245	245	252	267	279
66.5N	150	180	210	231	244	246	239	226	209	185	155	120
65.5N	166	200	230	247	252	244	221	180	120	67	22	*
64.5N	166	200	230	244	241	224	191	142	77	*	*	*
63.5N	177	212	237	246	239	211	164	105	35	*	*	*
62.5N	144	186	209	206	179	130	60	*	*	*	*	*
61.5N	51	109	153	161	134	86	*	*	*	*	*	*
60.5N	*	*	11	36	39	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	312.5	313.5	314.5	315.5	316.5	317.5	318.5	319.5	320.5	321.5	322.5	323.5
	DEGREES EAST LONGITUDE											
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	312.5	313.5	314.5	315.5	316.5	317.5	318.5	319.5	320.5	321.5	322.5	323.5
0.5S	0	*	*	*	*	*	*	*	*	*	*	*
1.5S	7	7	0	*	*	*	*	*	*	*	*	*
2.5S	9	9	8	0	1	*	*	*	*	*	*	*
3.5S	20	20	20	9	9	5	20	20	8	*	*	*
4.5S	20	20	20	10	10	10	20	30	30	20	*	*
5.5S	20	20	20	20	20	20	30	50	30	10	22	20
6.5S	20	40	20	20	20	20	40	40	30	40	30	37
7.5S	20	50	30	20	20	20	30	50	50	50	40	50
8.5S	33	50	30	20	26	30	50	50	50	40	50	50
9.5S	35	50	40	41	40	40	40	40	50	29	30	30
10.5S	40	50	75	40	40	40	40	50	40	40	30	*
11.5S	44	50	80	40	40	71	75	50	30	20	0	*
12.5S	40	50	80	40	50	70	80	40	20	20	*	*
13.5S	70	75	70	40	40	76	76	40	30	*	*	*
14.5S	110	78	50	40	40	80	50	50	24	*	*	*
15.5S	110	80	50	40	50	80	70	40	20	*	*	*
16.5S	80	68	50	45	90	70	50	40	30	*	*	*
17.5S	78	70	50	60	100	74	50	40	20	*	*	*
18.5S	70	80	50	50	100	50	40	40	0	*	*	*
19.5S	70	90	60	70	90	50	40	20	*	*	*	*
20.5S	50	80	77	90	100	78	70	20	*	*	*	*
21.5S	60	90	80	80	100	50	10	*	*	*	*	*
22.5S	50	90	120	120	65	40	0	*	*	*	*	*
23.5S	75	80	52	*	*	*	*	*	*	*	*	*
24.5S	20	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	312.5	313.5	314.5	315.5	316.5	317.5	318.5	319.5	320.5	321.5	322.5	323.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.5S	*	*	*	*	*	*	*	*	*	*	*	*
74.5S	*	*	*	*	*	*	*	*	*	*	*	*
75.5S	*	*	*	*	*	*	*	*	*	*	*	*
76.5S	*	*	*	*	*	*	*	*	*	*	*	*
77.5S	*	*	*	*	*	*	*	*	*	*	*	*
78.5S	20	19	19	18	18	17	15	13	11	10	8	10
79.5S	36	39	42	44	47	50	42	34	26	18	10	9
80.5S	16	15	15	15	15	16	16	17	18	18	19	19
81.5S	12	12	11	12	13	14	15	17	18	19	21	22
82.5S	41	42	42	43	46	48	51	53	56	58	61	63
83.5S	151	150	149	149	148	147	147	146	146	145	144	144
84.5S	248	250	252	250	244	237	231	225	219	213	206	200
85.5S	225	226	228	228	227	226	225	224	223	222	221	220
86.5S	223	226	229	230	230	230	230	230	229	229	229	229
87.5S	257	258	259	258	257	256	255	254	253	252	251	250
88.5S	260	260	260	260	260	260	260	260	260	260	260	260
89.5S	279	279	279	279	278	277	276	275	274	273	272	271

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	324.5	325.5	326.5	327.5	328.5	329.5	330.5	331.5	332.5	333.5	334.5	335.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	0	0	0	0	0	0	7	13	15
82.5N	48	51	52	53	53	54	55	55	56	57	58	56
81.5N	99	100	100	100	100	100	99	99	99	99	99	98
80.5N	176	178	176	174	172	170	168	166	164	162	160	154
79.5N	203	197	192	186	181	176	172	167	162	153	144	134
78.5N	217	213	208	204	198	193	187	182	176	171	166	160
77.5N	228	224	220	216	212	207	203	198	194	186	179	171
76.5N	253	253	254	254	247	240	234	227	220	208	196	184
75.5N	274	274	275	276	271	266	262	257	252	241	230	218
74.5N	278	280	282	284	277	270	264	257	250	237	224	212
73.5N	292	296	299	302	291	280	270	259	248	225	202	179
72.5N	292	296	299	302	291	280	270	259	248	226	204	182
71.5N	293	297	300	304	292	279	267	254	242	209	176	142
70.5N	292	298	304	310	295	280	264	249	234	201	167	134
69.5N	297	289	276	267	262	261	264	261	254	231	194	142
68.5N	286	279	266	250	230	200	160	115	65	*	*	*
67.5N	286	268	224	164	86	*	*	*	*	*	*	*
66.5N	80	44	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	*
64.5N	*	*	*	*	*	*	*	*	*	*	*	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	324.5	325.5	326.5	327.5	328.5	329.5	330.5	331.5	332.5	333.5	334.5	335.5
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	*
26.5N	*	*	*	*	*	*	*	*	*	*	*	*
25.5N	*	*	*	*	*	*	*	*	*	*	*	*
24.5N	*	*	*	*	*	*	*	*	*	*	*	*
23.5N	*	*	*	*	*	*	*	*	*	*	*	*
22.5N	*	*	*	*	*	*	*	*	*	*	*	*
21.5N	*	*	*	*	*	*	*	*	*	*	*	*
20.5N	*	*	*	*	*	*	*	*	*	*	*	*
19.5N	*	*	*	*	*	*	*	*	*	*	*	*
18.5N	*	*	*	*	*	*	*	*	*	*	*	*
17.5N	*	*	*	*	*	*	*	*	*	*	*	*
16.5N	*	*	*	*	*	*	*	*	*	*	*	*
15.5N	*	*	*	*	*	*	*	*	*	*	*	*
14.5N	*	*	*	*	*	*	*	*	*	*	*	*
13.5N	*	*	*	*	*	*	*	*	*	*	*	*
12.5N	*	*	*	*	*	*	*	*	*	*	*	*
11.5N	*	*	*	*	*	*	*	*	*	*	*	*
10.5N	*	*	*	*	*	*	*	*	*	*	*	*
9.5N	*	*	*	*	*	*	*	*	*	*	*	*
8.5N	*	*	*	*	*	*	*	*	*	*	*	*
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	324.5	325.5	326.5	327.5	328.5	329.5	330.5	331.5	332.5	333.5	334.5	335.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	5	*	*	*	*	*	*	*	*	*	*	*
6.5S	20	*	*	*	*	*	*	*	*	*	*	*
7.5S	20	*	*	*	*	*	*	*	*	*	*	*
8.5S	20	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	324.5	325.5	326.5	327.5	328.5	329.5	330.5	331.5	332.5	333.5	334.5	335.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.5S	*	*	*	*	*	*	*	*	*	*	*	*
74.5S	*	*	*	*	*	*	*	*	*	*	*	*
75.5S	*	*	*	*	*	*	*	*	*	*	*	*
76.5S	*	*	*	*	*	*	*	*	0	0	2	22
77.5S	*	*	*	*	0	0	2	20	38	55	72	88
78.5S	12	14	16	18	28	37	47	56	66	80	94	108
79.5S	9	9	9	8	12	16	20	24	28	45	62	78
80.5S	20	20	22	23	24	25	26	27	28	29	30	36
81.5S	23	26	31	36	40	45	50	54	59	64	69	76
82.5S	66	70	77	84	90	97	104	110	117	124	131	136
83.5S	143	144	147	150	153	156	158	161	164	167	170	172
84.5S	194	191	192	193	194	195	196	197	198	199	199	200
85.5S	219	219	218	217	216	215	214	213	212	211	210	210
86.5S	229	229	228	227	226	225	224	223	222	221	220	220
87.5S	249	249	248	247	246	245	244	243	242	241	240	240
88.5S	260	260	260	260	260	260	260	260	260	260	260	260
89.5S	270	270	270	270	270	270	270	270	270	270	270	270

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	336.5	337.5	338.5	339.5	340.5	341.5	342.5	343.5	344.5	345.5	346.5	347.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	52	49	45	41	38	34	*	*	*	*	*	*
81.5N	97	95	94	93	91	90	88	87	86	81	73	65
80.5N	143	132	122	111	101	90	79	69	58	49	40	32
79.5N	125	116	102	88	74	60	46	34	*	*	*	*
78.5N	155	150	137	124	112	99	86	66	*	*	*	*
77.5N	164	156	140	124	108	92	76	56	*	*	*	*
76.5N	172	160	140	120	100	80	60	43	*	*	*	*
75.5N	207	196	172	147	123	98	74	*	*	*	*	*
74.5N	199	186	162	138	114	90	66	*	*	*	*	*
73.5N	156	133	109	85	60	*	*	*	*	*	*	*
72.5N	160	138	116	94	72	50	*	*	*	*	*	*
71.5N	109	76	60	44	*	*	*	*	*	*	*	*
70.5N	100	67	*	*	*	*	*	*	*	*	*	*
69.5N	77	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	5	15	25	35	42	47	49	46	34	11	*
64.5N	*	*	2	24	41	56	69	70	60	41	14	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	*	*	*	*	*
57.5N	*	*	*	*	*	*	*	*	*	*	*	*
56.5N	*	*	*	*	*	*	*	*	*	*	*	*
55.5N	*	*	*	*	*	*	*	*	*	*	*	*
54.5N	*	*	*	*	*	*	*	*	*	*	*	*
53.5N	*	*	*	*	*	*	*	*	*	*	*	*
52.5N	*	*	*	*	*	*	*	*	*	*	*	*
51.5N	*	*	*	*	*	*	*	*	*	*	*	*
50.5N	*	*	*	*	*	*	*	*	*	*	*	*
49.5N	*	*	*	*	*	*	*	*	*	*	*	*
48.5N	*	*	*	*	*	*	*	*	*	*	*	*
47.5N	*	*	*	*	*	*	*	*	*	*	*	*
46.5N	*	*	*	*	*	*	*	*	*	*	*	*
45.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	336.5	337.5	338.5	339.5	340.5	341.5	342.5	343.5	344.5	345.5	346.5	347.5
	DEGREES EAST LONGITUDE											
44.5N	*	*	*	*	*	*	*	*	*	*	*	*
43.5N	*	*	*	*	*	*	*	*	*	*	*	*
42.5N	*	*	*	*	*	*	*	*	*	*	*	*
41.5N	*	*	*	*	*	*	*	*	*	*	*	*
40.5N	*	*	*	*	*	*	*	*	*	*	*	*
39.5N	*	*	*	*	*	*	*	*	*	*	*	*
38.5N	*	*	*	*	*	*	*	*	*	*	*	*
37.5N	*	*	*	*	*	*	*	*	*	*	*	*
36.5N	*	*	*	*	*	*	*	*	*	*	*	*
35.5N	*	*	*	*	*	*	*	*	*	*	*	*
34.5N	*	*	*	*	*	*	*	*	*	*	*	*
33.5N	*	*	*	*	*	*	*	*	*	*	*	*
32.5N	*	*	*	*	*	*	*	*	*	*	*	*
31.5N	*	*	*	*	*	*	*	*	*	*	*	*
30.5N	*	*	*	*	*	*	*	*	*	*	*	*
29.5N	*	*	*	*	*	*	*	*	*	*	*	*
28.5N	*	*	*	*	*	*	*	*	*	*	*	*
27.5N	*	*	*	*	*	*	*	*	*	*	*	20
26.5N	*	*	*	*	*	*	*	*	*	*	5	10
25.5N	*	*	*	*	*	*	*	*	*	0	10	20
24.5N	*	*	*	*	*	*	*	*	*	10	20	30
23.5N	*	*	*	*	*	*	*	*	10	20	20	30
22.5N	*	*	*	*	*	*	*	*	20	30	30	30
21.5N	*	*	*	*	*	*	*	10	20	30	30	40
20.5N	*	*	*	*	*	*	*	0	20	20	30	40
19.5N	*	*	*	*	*	*	*	*	10	20	30	30
18.5N	*	*	*	*	*	*	*	*	5	10	20	20
17.5N	*	*	*	*	*	*	*	*	6	10	20	20
16.5N	*	*	*	*	*	*	*	*	6	10	10	20
15.5N	*	*	*	*	*	*	*	0	8	10	10	20
14.5N	*	*	*	*	*	*	*	5	8	10	10	20
13.5N	*	*	*	*	*	*	*	0	5	10	20	20
12.5N	*	*	*	*	*	*	*	0	8	20	18	35
11.5N	*	*	*	*	*	*	*	*	0	10	30	60
10.5N	*	*	*	*	*	*	*	*	*	5	20	50
9.5N	*	*	*	*	*	*	*	*	*	*	5	20
8.5N	*	*	*	*	*	*	*	*	*	*	*	20
7.5N	*	*	*	*	*	*	*	*	*	*	*	*
6.5N	*	*	*	*	*	*	*	*	*	*	*	*
5.5N	*	*	*	*	*	*	*	*	*	*	*	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

DEGREES EAST LONGITUDE

	336.5	337.5	338.5	339.5	340.5	341.5	342.5	343.5	344.5	345.5	346.5	347.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	336.5	337.5	338.5	339.5	340.5	341.5	342.5	343.5	344.5	345.5	346.5	347.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	*	*	*
71.5S	*	*	*	*	*	*	*	*	*	*	*	*
72.5S	*	*	*	*	*	*	*	*	*	*	*	*
73.5S	*	*	*	*	*	*	*	0	0	0	24	64
74.5S	*	*	*	*	0	0	0	26	53	79	106	132
75.5S	0	0	13	34	56	77	98	115	132	148	165	182
76.5S	42	62	75	88	100	113	126	141	156	172	187	202
77.5S	105	122	133	144	156	167	178	186	195	203	212	220
78.5S	122	136	143	150	158	165	172	183	194	206	217	228
79.5S	95	112	124	136	148	160	172	183	194	206	217	228
80.5S	47	58	69	80	91	102	113	124	135	146	156	167
81.5S	87	97	108	119	129	140	150	161	172	180	187	193
82.5S	140	145	149	153	158	162	166	170	175	180	187	193
83.5S	173	175	176	178	179	181	182	184	185	189	194	200
84.5S	201	201	201	202	202	203	203	203	204	206	210	213
85.5S	210	211	211	211	212	212	212	212	213	214	217	220
86.5S	220	221	221	221	222	222	222	222	223	224	227	230
87.5S	240	240	241	241	241	241	241	242	242	243	245	246
88.5S	260	260	260	260	260	260	260	260	260	260	260	260
89.5S	270	270	270	270	270	270	270	270	270	270	270	270

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	348.5	349.5	350.5	351.5	352.5	353.5	354.5	355.5	356.5	357.5	358.5	359.5
89.5N	*	*	*	*	*	*	*	*	*	*	*	*
88.5N	*	*	*	*	*	*	*	*	*	*	*	*
87.5N	*	*	*	*	*	*	*	*	*	*	*	*
86.5N	*	*	*	*	*	*	*	*	*	*	*	*
85.5N	*	*	*	*	*	*	*	*	*	*	*	*
84.5N	*	*	*	*	*	*	*	*	*	*	*	*
83.5N	*	*	*	*	*	*	*	*	*	*	*	*
82.5N	*	*	*	*	*	*	*	*	*	*	*	*
81.5N	57	49	42	*	*	*	*	*	*	*	*	*
80.5N	*	*	*	*	*	*	*	*	*	*	*	*
79.5N	*	*	*	*	*	*	*	*	*	*	*	*
78.5N	*	*	*	*	*	*	*	*	*	*	*	*
77.5N	*	*	*	*	*	*	*	*	*	*	*	*
76.5N	*	*	*	*	*	*	*	*	*	*	*	*
75.5N	*	*	*	*	*	*	*	*	*	*	*	*
74.5N	*	*	*	*	*	*	*	*	*	*	*	*
73.5N	*	*	*	*	*	*	*	*	*	*	*	*
72.5N	*	*	*	*	*	*	*	*	*	*	*	*
71.5N	*	*	*	*	*	*	*	*	*	*	*	*
70.5N	*	*	*	*	*	*	*	*	*	*	*	*
69.5N	*	*	*	*	*	*	*	*	*	*	*	*
68.5N	*	*	*	*	*	*	*	*	*	*	*	*
67.5N	*	*	*	*	*	*	*	*	*	*	*	*
66.5N	*	*	*	*	*	*	*	*	*	*	*	*
65.5N	*	*	*	*	*	*	*	*	*	*	*	*
64.5N	*	*	*	*	*	*	*	*	*	*	*	*
63.5N	*	*	*	*	*	*	*	*	*	*	*	*
62.5N	*	*	*	*	*	*	*	*	*	*	*	*
61.5N	*	*	*	*	*	*	*	*	*	*	*	*
60.5N	*	*	*	*	*	*	*	*	*	*	*	*
59.5N	*	*	*	*	*	*	*	*	*	*	*	*
58.5N	*	*	*	*	*	*	*	1	4	2	*	*
57.5N	*	*	*	*	*	*	0	17	26	25	*	*
56.5N	*	*	*	*	*	*	0	17	26	25	*	*
55.5N	*	*	*	*	*	*	0	8	19	22	17	*
54.5N	*	*	*	0	0	13	9	*	11	14	16	11
53.5N	*	*	*	2	11	13	9	*	7	11	17	14
52.5N	*	*	0	7	16	17	11	*	15	21	27	24
51.5N	*	*	*	*	*	*	*	4	10	15	18	19
50.5N	*	*	*	*	*	*	*	3	8	12	13	14
49.5N	*	*	*	*	*	*	*	*	*	*	0	0
48.5N	*	*	*	*	*	*	*	5	10	5	10	20
47.5N	*	*	*	*	*	*	*	*	0	5	10	20
46.5N	*	*	*	*	*	*	*	*	*	*	0	10
45.5N	*	*	*	*	*	*	*	*	*	*	0	10

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	348.5	349.5	350.5	351.5	352.5	353.5	354.5	355.5	356.5	357.5	358.5	359.5
44.5N	*	*	*	*	*	*	*	*	*	*	0	10
43.5N	*	*	*	*	10	10	5	*	*	*	15	20
42.5N	*	*	*	20	40	100	70	70	80	50	30	110
41.5N	*	*	*	10	40	70	50	60	80	85	50	50
40.5N	*	*	*	10	50	65	80	90	70	80	90	90
39.5N	*	*	*	20	30	35	40	70	60	70	70	20
38.5N	*	*	*	10	22	50	50	60	60	110	60	20
37.5N	*	*	*	10	20	20	35	70	100	100	0	*
36.5N	*	*	*	*	*	*	20	10	*	*	*	*
35.5N	*	*	*	*	*	*	20	*	*	*	*	0
34.5N	*	*	*	*	*	0	40	70	50	65	110	100
33.5N	*	*	*	*	10	100	120	150	110	100	110	110
32.5N	*	*	*	25	35	100	200	150	110	100	110	100
31.5N	*	*	40	100	170	250	180	100	90	80	80	70
30.5N	*	*	20	100	190	100	90	80	55	60	60	55
29.5N	*	*	80	90	50	50	60	50	50	50	50	50
28.5N	10	30	40	50	50	50	50	50	40	40	40	40
27.5N	30	40	50	40	40	40	40	40	40	40	40	40
26.5N	20	30	50	40	40	40	30	30	30	30	40	40
25.5N	40	40	30	30	30	30	30	30	30	30	30	30
24.5N	30	30	30	20	20	20	30	30	30	30	30	30
23.5N	20	20	20	20	20	20	20	30	30	30	30	30
22.5N	20	20	20	20	20	20	20	20	20	20	35	30
21.5N	20	20	20	20	20	30	30	30	30	30	30	30
20.5N	30	20	20	20	20	30	30	30	30	30	30	30
19.5N	20	20	20	20	30	30	30	30	30	40	40	40
18.5N	20	20	20	20	30	30	30	30	30	40	40	40
17.5N	20	20	20	20	30	30	30	28	30	30	30	30
16.5N	20	20	20	20	20	30	30	30	30	25	30	30
15.5N	20	20	20	20	20	30	30	29	30	35	40	30
14.5N	20	20	20	20	20	30	30	30	34	30	30	30
13.5N	20	20	20	30	30	30	30	28	32	32	25	30
12.5N	40	40	30	40	30	40	40	40	30	26	23	23
11.5N	50	40	32	30	30	40	40	30	25	25	30	20
10.5N	50	48	40	45	30	40	40	30	20	20	20	20
9.5N	50	60	50	50	50	40	40	40	20	20	20	20
8.5N	30	50	50	70	40	30	30	30	30	20	20	20
7.5N	20	30	48	58	38	32	30	20	20	20	20	20
6.5N	*	10	20	20	20	20	20	20	20	20	32	25
5.5N	*	*	0	20	20	10	10	*	0	10	10	*
4.5N	*	*	*	*	*	*	*	*	*	*	*	*
3.5N	*	*	*	*	*	*	*	*	*	*	*	*
2.5N	*	*	*	*	*	*	*	*	*	*	*	*
1.5N	*	*	*	*	*	*	*	*	*	*	*	*
0.5N	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	348.5	349.5	350.5	351.5	352.5	353.5	354.5	355.5	356.5	357.5	358.5	359.5
0.5S	*	*	*	*	*	*	*	*	*	*	*	*
1.5S	*	*	*	*	*	*	*	*	*	*	*	*
2.5S	*	*	*	*	*	*	*	*	*	*	*	*
3.5S	*	*	*	*	*	*	*	*	*	*	*	*
4.5S	*	*	*	*	*	*	*	*	*	*	*	*
5.5S	*	*	*	*	*	*	*	*	*	*	*	*
6.5S	*	*	*	*	*	*	*	*	*	*	*	*
7.5S	*	*	*	*	*	*	*	*	*	*	*	*
8.5S	*	*	*	*	*	*	*	*	*	*	*	*
9.5S	*	*	*	*	*	*	*	*	*	*	*	*
10.5S	*	*	*	*	*	*	*	*	*	*	*	*
11.5S	*	*	*	*	*	*	*	*	*	*	*	*
12.5S	*	*	*	*	*	*	*	*	*	*	*	*
13.5S	*	*	*	*	*	*	*	*	*	*	*	*
14.5S	*	*	*	*	*	*	*	*	*	*	*	*
15.5S	*	*	*	*	*	*	*	*	*	*	*	*
16.5S	*	*	*	*	*	*	*	*	*	*	*	*
17.5S	*	*	*	*	*	*	*	*	*	*	*	*
18.5S	*	*	*	*	*	*	*	*	*	*	*	*
19.5S	*	*	*	*	*	*	*	*	*	*	*	*
20.5S	*	*	*	*	*	*	*	*	*	*	*	*
21.5S	*	*	*	*	*	*	*	*	*	*	*	*
22.5S	*	*	*	*	*	*	*	*	*	*	*	*
23.5S	*	*	*	*	*	*	*	*	*	*	*	*
24.5S	*	*	*	*	*	*	*	*	*	*	*	*
25.5S	*	*	*	*	*	*	*	*	*	*	*	*
26.5S	*	*	*	*	*	*	*	*	*	*	*	*
27.5S	*	*	*	*	*	*	*	*	*	*	*	*
28.5S	*	*	*	*	*	*	*	*	*	*	*	*
29.5S	*	*	*	*	*	*	*	*	*	*	*	*
30.5S	*	*	*	*	*	*	*	*	*	*	*	*
31.5S	*	*	*	*	*	*	*	*	*	*	*	*
32.5S	*	*	*	*	*	*	*	*	*	*	*	*
33.5S	*	*	*	*	*	*	*	*	*	*	*	*
34.5S	*	*	*	*	*	*	*	*	*	*	*	*
35.5S	*	*	*	*	*	*	*	*	*	*	*	*
36.5S	*	*	*	*	*	*	*	*	*	*	*	*
37.5S	*	*	*	*	*	*	*	*	*	*	*	*
38.5S	*	*	*	*	*	*	*	*	*	*	*	*
39.5S	*	*	*	*	*	*	*	*	*	*	*	*
40.5S	*	*	*	*	*	*	*	*	*	*	*	*
41.5S	*	*	*	*	*	*	*	*	*	*	*	*
42.5S	*	*	*	*	*	*	*	*	*	*	*	*
43.5S	*	*	*	*	*	*	*	*	*	*	*	*
44.5S	*	*	*	*	*	*	*	*	*	*	*	*

TERRAIN HEIGHTS ABOVE MEAN SEA LEVEL IN DECAMETERS

	DEGREES EAST LONGITUDE											
	348.5	349.5	350.5	351.5	352.5	353.5	354.5	355.5	356.5	357.5	358.5	359.5
45.5S	*	*	*	*	*	*	*	*	*	*	*	*
46.5S	*	*	*	*	*	*	*	*	*	*	*	*
47.5S	*	*	*	*	*	*	*	*	*	*	*	*
48.5S	*	*	*	*	*	*	*	*	*	*	*	*
49.5S	*	*	*	*	*	*	*	*	*	*	*	*
50.5S	*	*	*	*	*	*	*	*	*	*	*	*
51.5S	*	*	*	*	*	*	*	*	*	*	*	*
52.5S	*	*	*	*	*	*	*	*	*	*	*	*
53.5S	*	*	*	*	*	*	*	*	*	*	*	*
54.5S	*	*	*	*	*	*	*	*	*	*	*	*
55.5S	*	*	*	*	*	*	*	*	*	*	*	*
56.5S	*	*	*	*	*	*	*	*	*	*	*	*
57.5S	*	*	*	*	*	*	*	*	*	*	*	*
58.5S	*	*	*	*	*	*	*	*	*	*	*	*
59.5S	*	*	*	*	*	*	*	*	*	*	*	*
60.5S	*	*	*	*	*	*	*	*	*	*	*	*
61.5S	*	*	*	*	*	*	*	*	*	*	*	*
62.5S	*	*	*	*	*	*	*	*	*	*	*	*
63.5S	*	*	*	*	*	*	*	*	*	*	*	*
64.5S	*	*	*	*	*	*	*	*	*	*	*	*
65.5S	*	*	*	*	*	*	*	*	*	*	*	*
66.5S	*	*	*	*	*	*	*	*	*	*	*	*
67.5S	*	*	*	*	*	*	*	*	*	*	*	*
68.5S	*	*	*	*	*	*	*	*	*	*	*	*
69.5S	*	*	*	*	*	*	*	*	*	*	*	*
70.5S	*	*	*	*	*	*	*	*	*	10	10	10
71.5S	*	*	*	*	*	0	0	7	20	34	57	80
72.5S	*	0	0	6	36	50	64	78	92	106	135	164
73.5S	77	90	102	115	128	137	146	156	165	174	199	224
74.5S	144	156	168	180	192	203	214	224	235	246	255	264
75.5S	193	204	216	227	238	245	252	258	265	272	282	291
76.5S	212	223	233	244	254	258	262	266	270	274	285	296
77.5S	228	237	245	254	262	264	267	269	272	274	285	296
78.5S	235	242	248	255	262	264	267	269	272	274	283	292
79.5S	235	242	248	255	262	264	267	269	272	274	281	288
80.5S	177	187	198	208	218	228	239	247	252	258	264	269
81.5S	200	207	213	220	226	233	240	245	250	255	259	264
82.5S	200	206	213	219	226	232	239	244	248	251	255	259
83.5S	206	211	217	222	228	234	239	244	248	251	255	259
84.5S	217	221	225	229	232	236	240	244	248	251	255	259
85.5S	223	226	229	232	235	238	240	243	246	249	252	255
86.5S	233	236	238	241	244	247	250	252	254	256	258	259
87.5S	248	250	252	254	255	257	259	260	261	262	263	264
88.5S	260	260	260	261	261	261	261	261	262	263	264	265
89.5S	270	270	270	270	270	270	270	270	270	270	270	270

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