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No. 10

COSMIC RAY TABLES

Asymptotic Directions, Variational Coefficients
and
Cut-off Rigidities

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IQSY INSTRUCTION MANUAL

No. 10

COSMIC RAY TABLES
(ASYMPTOTIC DIRECTIONS, VARIATIONAL COEFFICIENTS AND CUT-OFF RIGIDITIES)

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PART I

Vertical Cut-off Rigidities and Asymptotic Directions of Cosmic Ray Particles Arriving at Different Geographic Locations

1.1 INTRODUCTION

The cosmic ray particles which arrive at any point on the earth's surface have undergone deflection in the geomagnetic field. In order to relate the time variations observed on the ground to the time variations and departure from isotropy of the primary cosmic radiation in space, it is essential to make full allowance for these deflections in the analysis of the data. To this end, the asymptotic direction of approach $\vec{A}(N, \theta, \phi)$ of a cosmic ray of rigidity N, which arrives at the earth from the direction θ, ϕ has been defined as the direction from which the particle was moving prior to its entry into the geomagnetic field. (See Figure 1.)

Except for the special case of asymptotic direction lying in the equatorial plane of a simple dipole field, there are no analytic expressions for the asymptotic directions. Evaluation of the asymptotic directions has, therefore, been possible only through either model experiments, in which a small model of the earth and its field is used to experimentally simulate the actual physical situation, or through numerical integration of the equations of motion of cosmic ray particles. The former method has been exploited extensively by Malmfors (1945) and Brunberg and Dattner (1953), while the latter has been pursued by Stoermer (1955), Jory (1956), and Lust and Simpson (1957).

Without exception, all the above data have been obtained using a dipole simulation of the geomagnetic field. Experimental studies of the cosmic ray latitude effect have demonstrated the inadequacy of this simulation, and studies of the geomagnetic cut-off effect have illustrated that spherical harmonics up to the 6th degree have significant effects upon the cosmic radiation observed at the surface of the earth. While the introduction of such terms into the calculation of asymptotic directions results in a great increase in the number of arithmetic operations necessary to determine the orbit of a cosmic ray, the advent of high speed digital computers has made the problem tractable. The first such calculations were published by McCracken, Rao, and Shea (1962), and recently, Hatton and Carswell (1963), and others have added to the totality of such data. The majority of the available data pertains to cosmic rays arriving at the earth from the vertical, a serious deficiency in studies of the totality of cosmic radiation arriving at the earth's surface.

In the present work, the data previously obtained have been gathered together, and have been augmented by data for eight directions inclined to the vertical (for each value of the rigidity).

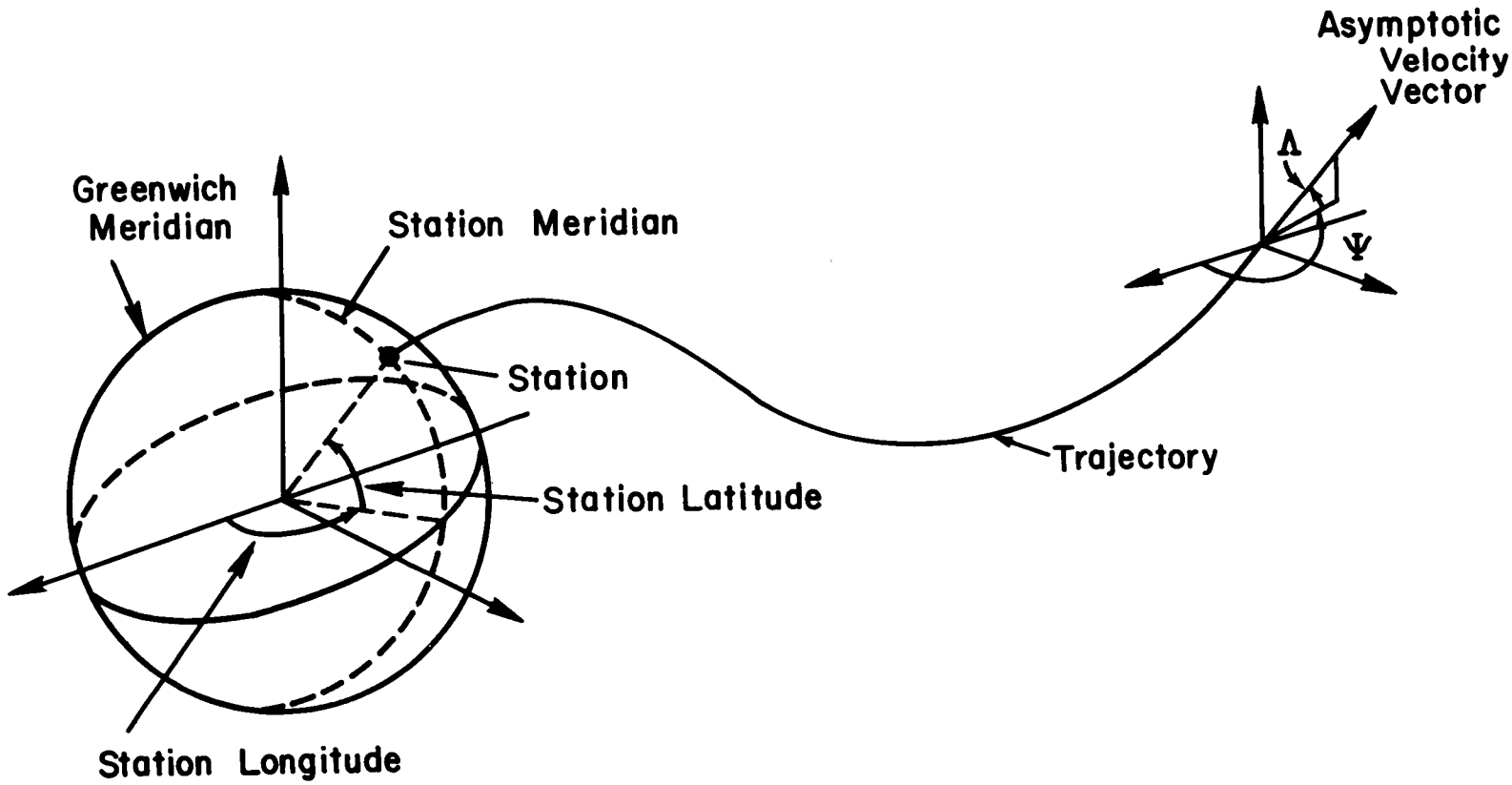

FIGURE 1

The trajectory of a charged particle through the geomagnetic field

Data are presented for 79 points on the earth's surface. Variational coefficients calculated using these asymptotic direction data are also presented.

1.2 THE BASIC MATHEMATICAL FORMULAE

We will first discuss in some detail the mathematical statement of the problem and its solution, and then tabulate the data obtained for 79 points on the earth's surface.

The problem will be solved in spherical polar co-ordinates. The symbols used are:

$\vec{R}$	position vector of a cosmic ray particle
r	radial distance from the center of the earth
θ	co-latitude
ϕ	longitude measured eastward from Greenwich meridian
$\vec{v}$	cosmic ray velocity vector
v	magnitude of particle velocity
v_r, v_θ, v_ϕ	velocity components in r, θ, ϕ directions
c	velocity of light
m	inertial mass of cosmic ray ($m = m_o \left(1 - \frac{V^2}{c^2}\right)^{-\frac{1}{2}}$ where m_o is rest mass)
$\vec{B}$	vector magnetic induction in gauss
e	cosmic ray charge in e.s.u.

The equation of motion of the particle in the Gaussian system of units is:

$$m \frac{d^2\vec{R}}{dt^2} = \frac{e}{c} \left(\frac{d\vec{R}}{dt} \times \vec{B} \right) \tag{1}$$

and this may be written in terms of the spherical co-ordinate system as follows:

$$\left.\begin{aligned}
\frac{dv_r}{dt} &= \frac{e}{mc} \left(v_\theta B_\phi - v_\phi B_\theta \right) + \frac{v_\theta^2}{r} + \frac{v_\phi^2}{r} \\
\frac{dv_\theta}{dt} &= \frac{e}{mc} \left(v_\phi B_r - v_r B_\phi \right) - \frac{v_r v_\theta}{r} + \frac{v_\phi^2}{r\tan\theta} \\
\frac{dv_\phi}{dt} &= \frac{e}{mc} \left(v_r B_\theta - v_\theta B_r \right) - \frac{v_r v_\phi}{r} - \frac{v_\theta v_\phi}{r\tan\theta}
\end{aligned}\right\} \tag{2a}$$

$$\left.\begin{aligned} \frac{dr}{dt} &= v_r \\ \frac{d\theta}{dt} &= \frac{v_\theta}{r} \\ \frac{d\phi}{dt} &= \frac{v_\phi}{r\sin\theta} \end{aligned}\right\} \qquad (2b)$$

This system of simultaneous linear differential equations can be integrated numerically if the components of the magnetic induction, B_r, B_θ, B_ϕ are known as explicit functions of r, θ, ϕ. If the field outside the earth is curl free, we may unambiguously define a magnetic potential U which can be expanded in spherical harmonics, thus

$$U(r,\theta,\phi) = a \sum_{n=0}^{\infty} \sum_{m=0}^{\infty} (g_n^m \cos m\phi + h_n^m \sin m\phi)\, P_n^m (\cos\theta) \left(\frac{a}{r}\right)^{n+1}$$

where g_n^m, h_n^m are the Gauss coefficients, $P_n^m(\cos\theta)$ are the partially normalized Legendre functions, and a is the average radius of the earth. [Chapman and Bartels (1951), Chapter 17] The magnetic induction at the point (r, θ, ϕ) is then given by

$$B_r = -\frac{\partial U(r,\theta,\phi)}{\partial r}, \quad B_\theta = -\frac{1}{r}\frac{\partial U(r,\theta,\phi)}{\partial \theta}, \quad B_\phi = -\frac{1}{r\sin\theta}\frac{\partial U(r,\theta,\phi)}{\partial \phi}$$

which, by using the equation for U, may be written as explicit formulae in r, θ and ϕ.

Hence, B is known at all points; and it is, therefore, possible to determine the trajectory of a cosmic ray particle by numerical integration of equation (2). In practice, the Gill modification of the Runge-Kutta integration process was employed (Gill, 1951). In this process, a knowledge of the position and velocity co-ordinates of one point on the trajectory is used in conjunction with the differential equations to give the co-ordinates of a subsequent point on the trajectory. Repeated application gives sufficient points to locate the trajectory in space.

In practice, we wish to know the direction in space from which a cosmic ray which ultimately arrives at some given point, from a specified direction, has initially come. Referring to equation 1 we note that if the sign of e and the direction of motion are reversed, the equation remains unaltered. That is, the trajectory of a negative particle leaving the earth is the same as that of a positive particle approaching the earth. To find the asymptotic direction of approach corresponding to a given location on the earth, P, a given cosmic ray momentum, and a given direction of arrival, we will determine the trajectory of a negative particle of the same rigidity leaving P

anti-parallel to the direction of arrival of interest. The trajectory is followed to a point far from the earth, at which point the direction of motion of the particle is calculated. This direction is the asymptotic direction of approach corresponding to the point P.

The problem, therefore, breaks down into three distinct stages:

1) the determination of the initial point on the trajectory,
2) determination of the trajectory to a point well-removed from the earth, and
3) calculation of the asymptotic directions.

These stages will now be considered individually. All calculations are made for a single nucleon. The results are immediately applicable to other particles since the trajectories of two particles of equal momentum to charge ratios (rigidities) are identical.

In the calculations, and in the statement of the initial conditions for any desired trajectory, we find it convenient to express all distances in terms of the average value for the radius of the earth.

1.2.1 The Initial Point on the Trajectory

We will consider calculating the asymptotic direction which corresponds to a point on the earth specified by geographic latitude λ , longitude η .

The initial distance from the center of the earth will be taken to be 20km above the surface of the earth. In the vicinity of this altitude, most cosmic rays undergo nuclear collisions. Taking the oblateness of the earth into account, the radial distance (in earth radii) to the initial point is

$$r_{initial} = \frac{1}{a} \left\{ b \left[1 - \epsilon^2 \cos^2 \lambda \right]^{-\frac{1}{2}} + 20.0 \right\}$$

where b = 6356.9 km is the minimum (polar) radius of the earth, ϵ is the eccentricity ($\epsilon^2 = 6.725 \times 10^{-3}$) of the earth, and a is the average radius of the earth.

$$\theta_{initial} = \frac{\pi}{2} - \lambda$$

$$\phi_{initial} = \eta$$

The velocity of the particle of momentum P Bev/c is given by

$$v = \frac{Pc}{\sqrt{R^2 + P^2}}$$

where R is the rest energy, 0.931 Bev. The three components of the velocity are

$$(v_r)_{\text{initial}} = v \cos Z$$
$$(v_\theta)_{\text{initial}} = -v \sin Z \cos A$$
$$(v_\phi)_{\text{initial}} = v \sin Z \sin A$$

where (Z,A) are the zenith and azimuth angles specifying the direction of arrival at the top of the atmosphere. A is measured eastward from geographic north.

1.2.2 Step by Step Determination of the Trajectory

As described previously, this is achieved using the Runge-Kutta integration process. The farther the negative particle recedes from the earth, the less important become the higher degree terms in the field expansion, and the radius of curvature of the trajectory becomes greater. Hence, as r increases, we may truncate the field expansion at lower degree terms, and increase the length of the step in the Runge-Kutta integration process. The following table indicates the highest degree terms which we have used at different distances from the center of the earth. The length of the Runge-Kutta step is changed when going from one of these ranges to the next.

Maximum Degree in Field Expansion	Range of Employment (Distance in Earth Radii)
6	$0 \leq r < 2.5$
5	$2.5 \leq r < 3.0$
4	$3.0 \leq r < 5.4$
3	$5.4 \leq r < 10.0$
2	$10.0 \leq r < 50.0$

After each step in the integration process, the value of r corresponding to the new point on the trajectory is examined. If it is less than 1.0, the trajectory has intersected the earth and integration ceases permanently. If it has entered a new range in the above table, the maximum degree employed in the field expansion and the Runge-Kutta step length are adjusted accordingly. At a number of pre-determined values of r, the magnitude of the velocity of the particle is computed from the current components of the velocity. A difference between this current value of v and the initial value is indicative of systematic errors in the integration procedure. The magnitude of these errors is very sensitive to the length of the step in the Runge-Kutta process, and reducing the step length will reduce the errors to an insignificant level. Integration is usually continued until $r \geq 25.0$. Once this value is attained, the calculation enters the third stage.

Knowing the position and velocity components at a far distant point on the trajectory, we wish to specify the direction of the particle velocity vector in terms of the geographic co-ordinate system.

The "asymptotic latitude" Λ is given by

$$\tan(\Lambda) = \frac{-v_\theta \sin\theta + v_r \cos\theta}{\sqrt{v_\phi^2 + (v_\theta \cos\theta + v_r \sin\theta)^2}}$$

and the "asymptotic longitude" ψ by

$$\psi = \phi + \arctan\left(\frac{v_\phi}{v_\theta \cos\theta + v_r \sin\theta}\right)$$

Knowing Λ and ψ, the problem is solved.

1.2.3 The Magnetic Field Specification

We have used the Finch and Leaton (1957) sixth degree expansion of the geomagnetic field in all asymptotic direction calculations reported herein. The Finch and Leaton coefficients employed are given in Table 1. The basic Fortran Programme has already been published elsewhere (McCracken, Rao and Shea, 1962).

1.3 VERTICAL CUT-OFF RIGIDITIES

The basic programme used for the computation of trajectories is potentially useful for many other types of investigations which consider the motion of charged particles in the geomagnetic field. For example, in our laboratory we have introduced modifications in order to calculate:

a) Cut-off rigidities

b) The trajectories of particles in the Van Allen Radiation belts

c) The detailed trajectories of particles in the geomagnetic field

d) Asymptotic directions, the effect of a ring current being added to the geomagnetic field.

e) Asymptotic directions, the effect of magnetosphere being added to the geomagnetic field.

f) Particle trajectories in the presence of both electric and magnetic fields.

Reference to the original report (McCracken et al, 1962) should be made if the reader wishes

to employ some such variant of the basic programme himself.

A knowledge of the threshold rigidities for cosmic ray particles arriving at different geographic locations on the globe is of great importance in the study of the spectrum and time modulations of primary cosmic ray intensity. Freon and McCracken (1962) and Shea, Smart and McCracken (1965) have demonstrated the importance of using a high degree simulation of the geomagnetic field to calculate the vertical cut-off rigidities accurately. We have derived the vertical cut-off rigidities for all the 79 stations for which we have tabulated the trajectories. To allow for the effects of the penumbra, the cut-off rigidities have been obtained by detailed computation of trajectories for rigidities separated by 0.01 bv intervals. The details of these calculations are published separately. (Shea, Smart and McCracken, 1965)

In Table 2 is presented the list of 79 stations, their geographic co-ordinates, and the vertical cut-off rigidities, obtained using the Finch and Leaton simulation of the geomagnetic field. For some of these stations the vertical cut-off rigidities obtained using the Jenson and Cain (1964) simulation of the geomagnetic field are also listed. The geographic co-ordinates used are those normally recommended by the stations themselves and agree with those listed by the Times Atlas to within 0.2° (45 km longitudinal distance at equator). All longitudes are measured to the east of the Greenwich meridian.

The asymptotic directions of approach of cosmic ray particles of different rigidities arriving at different stations are tabulated in the following pages. For each station, the asymptotic directions of approach for particles arriving with zenith angles of 0° (vertical), 16° and 32° in the north-south and east-west geomagnetic azimuths are tabulated.

TABLE 1

Table of Finch and Leaton coefficients as used in the asymptotic direction calculations. The input data for the computing programme, C and D, are obtained from the gauss coefficients g_n^m, h_n^m by the multiplication by the given factor.

n	m	Finch and Leaton		Multiplication Factor	Entered into Programme	
		$g_n^m \times 10^{-4}$	$h_n^m \times 10^{-4}$		C	D
1	0	-3055	0	1.0	-3.0550E-1	0
	1	-227	+590	1.0	-2.2700E-2	+5.9000E-2
2	0	-152	0	1.5	-2.2800E-2	0
	1	+303	-190	1.73205	+5.2480E-2	-3.2910E-2
	2	+158	+24	0.86603	+1.3680E-2	+2.0800E-3
3	0	+118	0	2.5	+2.9500E-2	0
	1	-191	-45	3.06186	-5.8480E-2	-1.3780E-2
	2	+126	+29	1.93649	+2.4400E-2	+5.6200E-3
	3	+91	-9	0.79057	+7.1900E-3	-7.1000E-4
4	0	+95	0	4.37500	+4.15600E-2	0
	1	+80	+15	5.53399	+4.4270E-2	+8.3000E-3
	2	+58	-31	3.91312	+2.2700E-2	-1.2130E-2
	3	-38	-4	2.09165	-7.9500E-3	-8.4000E-4
	4	+31	-17	0.73951	+2.2900E-3	-1.2600E-3
5	0	-27	0	7.87500	-2.1260E-2	0
	1	+32	+2	10.16658	+3.2530E-2	+2.0300E-3
	2	+20	+10	7.68521	+1.5370E-2	+7.6900E-3
	3	-4	-5	4.70621	-1.8800E-3	-2.3500E-3
	4	-15	-14	2.21853	-3.3300E-3	-3.1100E-3
	5	-7	+9	0.70156	-4.9000E-4	+6.3000E-4
6	0	+10	0	14.43750	+1.4440E-2	0
	1	+5	-2	18.90313	+9.4500E-3	-3.7800E-3
	2	+2	+11	14.94423	+2.9900E-3	+1.6440E-2
	3	-24	0	9.96282	-2.3910E-2	0
	4	-3	-1	5.45686	-1.6400E-3	-5.5000E-4
	5	0	-3	2.32681	0	-7.0000E-4
	6	-11	-1	0.67169	-7.4000E-4	-0.7000E-4

TABLE 2: LIST OF STATIONS

NO.	STATION	COUNTRY	GEOGRAPHIC LATITUDE (in degrees)	GEOGRAPHIC LONGITUDE (in degrees)	CUT-OFF RIGIDITY IN BV FINCH & LEATON	CUT-OFF RIGIDITY IN BV JENSEN & CAIN
1.	Ahmedabad	India	23.01	72.61	15.94	16.00
2.	Alert	Canada	82.50	-62.33	< 0.05	
3.	Alma Ata	U.S.S.R.	43.20	76.94	6.69	
4.	Apatity	U.S.S.R.	67.55	33.33	0.64	0.60
5.	Berkeley	U.S.A.	37.86	-122.30	4.50	
6.	Brisbane	Australia	-27.50	153.01	7.00	
7.	Budapest	Hungary	47.50	18.90	4.44	
8.	Buenos Aires	Argentina	-34.58	-58.50	10.63	10.36
9.	Calgary	Canada	51.08	-114.09	1.09	1.10
10.	Cambridge	U.S.A.	41.38	-71.12	1.68	1.66
11.	Cape Schmidt	U.S.S.R.	68.87	-179.49	0.60	0.59
12.	Chacaltaya	Bolivia	-16.31	-68.15	13.10	12.94
13.	Chicago	U.S.A.	41.83	-87.67	1.72	1.74
14.	Churchill	Canada	58.75	-94.09	0.21	0.21
15.	Climax	U.S.A.	39.37	-106.18	3.03	3.06
16.	College	Alaska	64.85	-147.84	0.54	
17.	Dallas	U.S.A.	32.78	-96.80	4.35	4.30
18.	Deep River	Canada	46.10	-77.50	1.02	1.04
19.	Denver	U.S.A.	39.75	-105.00	2.91	2.90
20.	Dumont d'Urville	Antarctica	-66.67	140.02	< 0.05	
21.	Durham	U.S.A.	43.10	-70.84	1.41	1.44
22.	Ellsworth	Antarctica	-77.72	-41.12	0.79	
23.	Goose Bay	Canada	53.33	-60.42	0.52	0.54
24.	Hafelekar	Austria	47.32	11.37	4.37	
25.	Haleakala	Hawaii	20.71	-156.26	13.30	13.07
26.	Heiss Island	U.S.S.R.	80.33	57.80	< 0.10	
27.	Hermanus	S. Africa	-34.42	19.22	4.90	
28.	Huancayo	Peru	-12.03	-76.88	13.49	13.36
29.	Inuvik	Canada	68.35	-133.73	< 0.18	

TABLE 2: LIST OF STATIONS, cont'd.

NO.	STATION	COUNTRY	GEOGRAPHIC LATITUDE (in degrees)	GEOGRAPHIC LONGITUDE (in degrees)	CUT-OFF RIGIDITY IN BV FINCH & LEATON	CUT-OFF RIGIDITY IN BV JENSEN AND CAIN
30.	Invercargill	New Zealand	-46.50	168.37	1.86	1.81
31.	Irkutsk	U.S.S.R.	52.27	104.30	3.74	
32.	Kampala	Uganda	0.33	32.56	14.98	14.99
33.	Kerguelen Is.	Indian Ocean	-49.35	70.22	1.19	1.14
34.	Kiel	Germany	54.33	10.13	2.29	2.33
35.	Kiruna	Sweden	67.83	20.43	0.54	0.52
36.	Lae	New Guinea	-6.73	147.00	15.52	15.40
37.	Leeds	England	53.82	-1.55	2.20	
38.	Lerwick	Scotland	60.15	-1.15	1.09	1.09
39.	Lindau	Germany	51.60	10.10	3.00	
40.	Lomnický Stit	Czechoslovakia	49.20	20.22	4.00	
41.	London	England	51.53	-0.09	2.73	2.83
42.	Macquarie Is.		-54.50	158.90	0.55	0.55
43.	Mawson	Antarctica	-67.60	62.88	0.22	
44.	McMurdo Sound	Antarctica	-77.85	166.62	<0.05	
45.	Mexico City	Mexico	19.33	-99.18	9.53	9.44
46.	Mina Aguilar	Argentina	-23.10	-65.70	12.51	12.28
47.	Mirny	Antarctica	-66.55	93.00	<0.05	
48.	Moscow	U.S.S.R.	55.47	37.32	2.46	2.40
49.	Mt. Norikura	Japan	36.12	137.56	11.39	11.46
50.	Mt. Washington	U.S.A.	44.30	-71.30	1.24	1.30
51.	Mt. Wellington	Australia	-42.92	147.24	1.89	1.85
52.	Munich	Germany	48.20	11.60	4.14	
53.	Murchison Bay	Norway	80.05	18.25	<0.06	
54.	Orsay	France	48.42	2.12	3.69	
55.	Ottawa	Canada	45.40	-75.60	1.08	1.12
56.	Oulu	Finland	65.00	25.42	0.81	0.83
57.	Pic du Midi	France	42.93	0.25	5.36	
58.	Resolute	Canada	74.69	-94.91	<0.05	

TABLE 2: LIST OF STATIONS, cont'd

NO.	STATION	COUNTRY	GEOGRAPHIC LATITUDE (in degrees)	GEOGRAPHIC LONGITUDE (in degrees)	CUT-OFF RIGIDITY IN BV FINCH & LEATON	CUT-OFF RIGIDITY IN BV JENSEN & CAIN
59.	Reykjavik	Iceland	64.09	-21.58	0.41	
60.	Rio de Janeiro	Brazil	-22.90	-43.22	11.73	11.45
61.	Rome	Italy	41.90	12.52	6.31	
62.	Sanae	Antarctica	-70.46	-2.49	1.02	0.98
63.	South Pole	Antarctica	-89.98	0.00	<0.11	<0.10
64.	Sulphur Mountain	Canada	51.20	-115.61	1.14	1.15
65.	Sverdlovsk	U.S.S.R.	56.80	60.63	2.30	2.24
66.	Swarthmore	U.S.A.	39.90	-75.35	1.92	1.94
67.	Tbilisi	U.S.S.R.	42.08	44.70	6.67	
68.	Tehran	Iran	35.67	51.43	10.56	
69.	Thule	Greenland	76.55	-68.84	<0.04	
70.	Tixie Bay	U.S.S.R.	71.55	128.90	0.53	0.50
71.	Trivandrum	India	8.48	76.95	17.44	17.40
72.	Uppsala	Sweden	59.85	17.92	1.43	1.42
73.	Ushuaia	Argentina	-54.80	-68.30	5.68	
74.	Utrecht	Netherlands	52.06	5.07	2.76	2.83
75.	Victoria	Canada	48.50	-123.42	1.86	1.85
76.	Vostok	Antarctica	-78.47	106.87	<0.05	
77.	Wilkes	Antarctica	-66.42	110.45	<0.05	
78.	Yakutsk	U.S.S.R	62.02	129.72	1.70	1.64
79.	Zugspitze	Germany	47.42	10.98	4.24	

NOTE: For certain latitude stations all trajectories below the values given in the table fail to reach a solution; therefore, these cut-off values are listed as "less than."

PART II

Cosmic Ray Variational Coefficients for Different Stations

2.1 ASYMPTOTIC CONE OF ACCEPTANCE

In any study of the time variations of the cosmic radiation, a detailed knowledge of the dependence of the counting rate on the asymptotic direction is essential. In all such studies it is very useful to use the concept of the 'asymptotic cone of acceptance of a detector' which may be defined as the solid angle containing the asymptotic directions of approach which make a significant contribution to the counting rate of the detector. Detailed theoretical discussions have already been published by Rao, McCracken and Venkatesan (1962). We will, henceforth, refer to the aforementioned paper as Paper I. In this report we attempt to give only a brief account of the problem. However, before we adopt a rigid mathematical formulation, we will consider the problem qualitatively. In Figure 2 the asymptotic directions of approach of particles of selected rigidities between 2 and 100 bv and directions of approach into the atmosphere with zenith angles of 0°, 16°, and 32° in the north-south and east-west geomagnetic planes are plotted on the geographical scale of coordinates. The four detector locations considered are sufficient to illustrate some of the important consequences of the use of the asymptotic cones of acceptance. The figure has been prepared on the basis of the asymptotic direction data tabulated in Part I. From a close examination of Figure 2, we can reach the following conclusions:

1.) The cones of acceptance in Figures 2A and 2B are wide in longitude, whereas the cones of acceptance of high latitude stations in Figures 2C and 2D are narrow. An anisotropy of small angular extent will, therefore, lie within the cones of acceptance shown in Figures 2A and 2B for many hours and for less than 2 hours in cones of Figures 2C and 2D. Furthermore, since at any time in A and B, only a relatively small fraction of the radiation will have come from the directions of abnormal intensity, the deviation in counting rate will be much smaller compared to those in C and D.

2.) The cone of acceptance in Figure 2D is about 50° to the east of its meridian, whereas the cone of acceptance in Figure 2C is almost coincident with its meridional plane. Any anisotropy, therefore, will be seen by the station corresponding to 2D about three hours earlier than the station corresponding to 2C, even though both the stations are at the same geomagnetic latitude of about 70°. At higher latitudes the time differences would be even greater, and they would still be appreciable at lower latitudes.

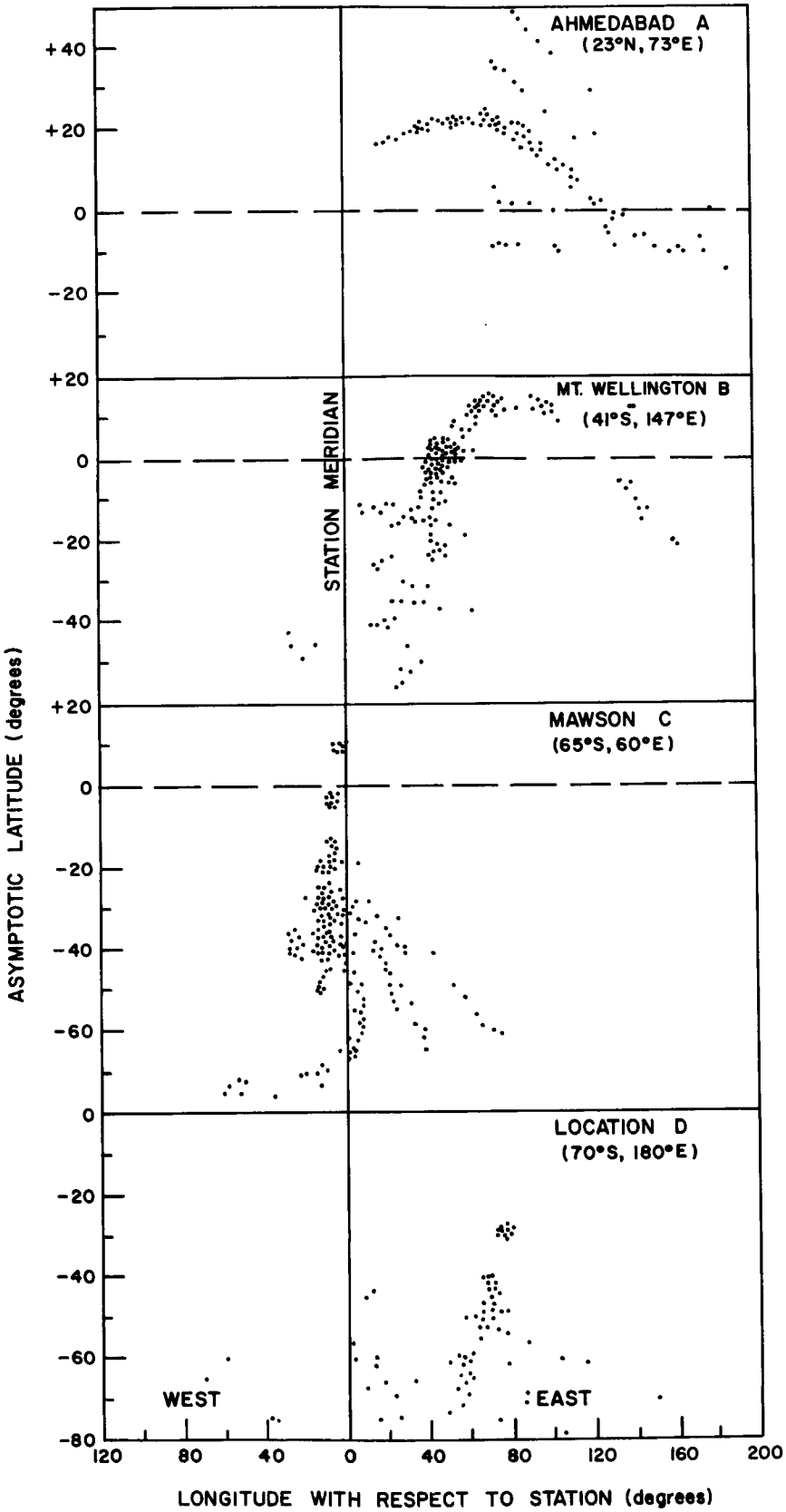

FIGURE 2

The Asymptotic Directions of Approach for Particles arriving at four locations. Location D has the same geomagnetic latitude as Mawson.

3. Even though the detector corresponding to Figure 2B is situated at a moderately high latitude (geographic 42°, geomagnetic 52°), it scans directions close to the equatorial plane, as does the detector corresponding to Figure 2A. Only the asymptotic cones of acceptance of very high latitude stations (as Figures 2C and 2D) make an appreciable angle with the equatorial plane. Consequently, a dependence of cosmic ray intensity on declination will become apparent as differences in time variations observed at stations at latitudes greater than about 50°.

We may, therefore, anticipate that the geomagnetic field has the effect of causing the phase, duration and amplitude of a time variation that is due to any anisotropy in the cosmic radiation to vary from station to station and, to a lesser extent, from detector to detector at any one station. The variational coefficients provide a quantitative technique for calculating the variations which will be observed as the consequence of any assumed anisotropy.

2.2 COSMIC RAY VARIATIONAL COEFFICIENTS

2.2.1 The Concept of Variational Coefficients

To any desired degree of perfection, an arbitrary anisotropic flux of cosmic radiation can be approximated by dividing the whole 4π of asymptotic directions into a large number of small solid angles $\delta\Omega_i$, the differential cosmic ray intensity from all directions within the ith solid angle Ω_i, being $J_i(R)$, where R is the particle rigidity. For any arbitrary anisotropic flux of cosmic radiation, the counting rate of any detector at any time can then be calculated if we know how to calculate the counting rate due to the flux $J_i(R)$ from within each of the small solid angles Ω_i.

Let θ and ϕ be the zenith and azimuth angles specifying the directions of arrival of a cosmic ray at the top of the atmosphere. Let us consider an infinitesimally small solid angle $d\omega(\theta_0,\phi_0)$ in the direction θ_0, ϕ_0 and rigidities within the interval R to R + dR. From Liouville's theorem, the flux of particles arriving from $d\omega$ that have originally come from asymptotic directions within Ω_i is $J_i(R)$ if, for rigidity R, $d\omega$ is accessible from Ω_i, and zero if inaccessible. The corresponding counting rate $dC(\Omega_i, R, \theta, \phi)$ at ground level when $d\omega$ is accessible is given by

$$
\begin{aligned}
dC(\Omega_i, R, \theta, \phi) &= J_i(R)\cdot T(R,\theta,\phi)\, d\omega\, dR \\
&= J_i(R)S(R)Z(\theta,\phi)\, d\omega\cdot dR
\end{aligned}
$$

where $T(R, \theta, \phi)$, a characteristic of the atmosphere, is assumed to be a separable function of direction and rigidity, namely, the product of $S(R)$ and $Z(\theta, \phi)$. Integrating over all directions of entry into the atmosphere, the counting rate due to radiation arriving from asymptotic directions within Ω_i is given by

$$\Delta C(\Omega_i,R) = J_i(R)S(R)Y(\Omega_i,R)\ dR \qquad (1)$$

where $Y(\Omega_i, R)$ is the integral of $Z(\theta,\phi)$ over all directions of θ, ϕ that are accessible to the detector from Ω_i for rigidity R. Now considering the special case of isotropic cosmic radiation, that is, the intensity from all asymptotic directions is $J_o(R)$, and putting $\Omega_i = 4\pi$, equation 1 reduces to

$$\Delta C(4\pi,R) = J_o(R)S(R)Y(4\pi,R)\ dR \qquad (2)$$

where $\Delta C(4\pi, R)$ is the total counting rate due to rigidities between R and R + dR. Dorman (1957) has defined the coupling constant W(R) of a detector as

$$W\ (R) = (dc/dR) \cdot 1/N \qquad (3)$$

where dc is the counting rate due to the radiation in the rigidity range R to R + dR, and N is the total counting rate corresponding to the cosmic ray spectrum, $J_o(R)$. From the above definitions, it can be seen that $\Delta C(4\pi, R)$ in (2) is identical to dc in (3), and hence, equating these two quantities we obtain

$$S(R) = \frac{N \cdot W(R)}{J_o(R)Y(4\pi,R)}$$

and substituting in (1), we get

$$\Delta C(\Omega_i,R) = N \cdot W(R)\ \frac{J_i(R)}{J_o(R)}\ \frac{Y(\Omega_i,R)}{Y(4\pi,R)} \cdot dR \qquad (4)$$

In practice, we will take $J_o(R)$ to be the 'average' cosmic ray spectrum, N and W(R) being the instrumental counting rate and coupling constant corresponding to this spectrum. We write $J_i(R) = J_o(R) + \Delta J_i(R)$, where $\Delta J_i(R)$ differs from one Ω_i to the next. Equation 4,

after integration over R, becomes

$$C(\Omega_i) = N \int W(R) \left[1 + \frac{\Delta J_i(R)}{J_o(R)} \right] \cdot \frac{Y(\Omega_i, R)}{Y(4\pi, R)} \cdot dR$$

Hence

$$\frac{dN(\Omega_i)}{N} = \frac{C(\Omega_i) - C_o(\Omega_i)}{N}$$

$$= \int W(R) \frac{\Delta J_i(R)}{J_o(R)} \frac{Y(\Omega_i, R)}{Y(4\pi, R)} \cdot dR \qquad (5)$$

where $C(\Omega_i)$ and $C_o(\Omega_i)$ are the counting rates due to particle fluxes $J_i(R)$ and $J_o(R)$ arriving from within the solid angle Ω_i. The quantity $dN(\Omega_i)/N$ is the fractional change in total counting rate produced by the cosmic ray intensity from Ω_i deviating from $J_o(R)$ by an amount $\Delta J_i(R)$, and as such is the basic quantity required in any study of a cosmic ray anisotropy.

We will assume that $\Delta J_i(R)/J_o(R)$ is a power law in rigidity, written as AR^{β}, where A is a function of asymptotic direction, and R is the rigidity in bv. Equation (5) reduces to

$$\frac{dN(\Omega_i)}{N} = A \cdot v(\Omega_i, \beta) \qquad (6)$$

where

$$v(\Omega_i, \beta) = \int W(R) \cdot R^{+\beta} \frac{Y(\Omega_i, R)}{Y(4\pi, R)} \cdot dR \qquad (7)$$

$v(\Omega_i, \beta)$ is called the variational coefficient of the detector corresponding to the solid angle Ω_i and spectral exponent β.

2.2.2 Properties of Variational Coefficients

If the cosmic ray intensity from within the solid angle Ω_i should be $J_o(1+A_i R^{+\beta})$,

and that from all other directions J_o, then the counting rate of an instrument will differ by an amount ΔN from the counting rate N that would be observed if the radiation intensity were J_o from all directions, where

$$\frac{\Delta N}{N} = v(\Omega_i, \beta) \cdot A_i$$

If in any particular problem J_o is the reference cosmic ray intensity, then $J_o A_i R^{+\beta}$ specifies the anisotropic component of the radiation that arrives from directions within solid angle Ω_i. The above equation expresses the fact that this anisotropic flux of radiation causes the counting rate of an instrument to deviate from the value which would be observed if the intensity were isotropic (and of magnitude J_o). If we know the variational coefficients for all possible solid angles Ω_i, the counting rate deviation corresponding to any assumed anisotropy can be calculated.

2.2.3 Evaluation of the Variational Coefficients

In the derivation of the data contained herein, the elementary solid angle Ω_i is defined by planes of constant geographic longitude at 0°, 5°, 10°, ..., and by surfaces of constant geographic latitude spaced every 5° on either side of the equator. To evaluate (7) for a given Ω_i we must evaluate $Y(\Omega_i, R)/Y(4\pi, R)$ as a function of R. This necessitates the determination of that fraction of the hemisphere above the detector that is accessible from asymptotic directions included within Ω_i. This can be determined if the asymptotic directions corresponding to all directions (θ, ϕ) and all rigidities are known.

In the evaluation of the variational coefficients, we have used the asymptotic directions corresponding to the cosmic ray particles of various rigidities arriving from nine directions: vertical, and from the geomagnetic north, south, east, west at zenith angles of 16°, and 32°. The approximation has been made, then, that, if a direction (θ_o, ϕ_o) is accessible from some elementary solid angle Ω_i for the kth rigidity R_k, then for $\theta_o \neq 0$, all directions within the solid angle defined by $\theta_o \pm 8^o$, $\phi_o \pm 45^o$ are accessible from Ω_i for rigidities in the range $(R_{k-1} + R_k)/2$ to $(R_k + R_{k+1})/2$. For $\theta_o = 0$, the approximation applies to the entire solid angle for which $\theta_o < 8^o$. In Paper I, it was shown that the integrals of $Z(\theta, \phi)$ over the above nine solid angles are approximately equal for a sea level neutron

monitor and the integral over $40^{\circ} < \theta < 90^{\circ}$ is negligible. An acceptable estimate of $Y(\Omega_i, r)$, therefore, is the number of above nine directions (θ_o, ϕ_o) that are accessible from infinity (from any asymptotic direction whatsoever).

From (7), the expression for $v(\Omega_i, \beta)$ can be written as

$$v(\Omega_i\ \beta) = \sum_{K=1}^{K} W(R_k) R_k^{+\beta} \cdot \frac{Y(\Omega_i, R_k)}{Y(4\pi, R_k)} \quad \frac{(R_{k+1} - R_{k-1})}{2} \tag{8}$$

where summation extends from near the cut-off rigidity to 500 bv.

If we consider a simple form of anisotropy of the type

$$\Delta J_i(R) = AR^{+\beta} = f(\psi)\ R^{\beta} \cos \Lambda \tag{9}$$

where A is the amplitude of the anisotropy which is a separable function of the asymptotic latitude Λ and longitude ψ and which varies as cosine of declination. We can rewrite (6) as

$$\frac{dN(\Omega_i)}{N} = f(\psi)\ v(\Omega_i, \beta) \cos \Lambda \tag{10}$$

summing over all Ω_i,

$$\frac{dN(\psi_j)}{N} = f(\psi_j) \sum v(\Omega_i, \beta) \cos \Lambda = f(\psi_j)\ V(\psi_j, \beta) \tag{10}$$

where $dN(\psi_j)$ is the solid angle defined by the two meridional planes 2.5° on either side of the meridional plane at geographic longitude ψ_j. $V(\psi_j, \beta)$ which are defined as the variational coefficients have been evaluated for the 79 stations for 10 values of β for $+0.6 \geq \beta \geq -1.5$. It may be pointed out that the variational coefficients for $\beta = 0.0$ represent the manner in which the cosmic ray particles from different asymptotic longitudes contribute

to the total counting rate of a detector.

2.3 APPLICATION TO THE DIURNAL VARIATION

From a knowledge of the variational coefficients, we can predict the amplitude and phase of the anisotropy observed at various stations. This is particularly useful in the study of the daily variation of cosmic ray intensity, provided the anisotropy considered is time invariant for at least 24 hours.

Consider an anisotropy that is an arbitrary function of η and is expanded as a Fourier Series

$$f(\eta) = J_o(R) \sum_{m=1}^{\infty} \alpha_m \cos_m (\eta - C_m)$$

where α_m and C_m are arbitrary amplitude and phase constants, and C_m the direction of viewing from which a maximum of the mth harmonic is seen. Referring to Figure 3, we may write

$$\eta = \psi + 15T - 180^o$$

and intensity from asymptotic longitude ψ as

$$f(\psi) = J_o(R) \left[\sum_{m=1}^{\infty} \alpha_m \cos m (\psi + 15T - 180^o - C_m) \right] \qquad (11)$$

where asymptotic longitude $\psi = (5i + 2.5)^o$, the mean longitude of all the particles arriving from the solid angles lying between $\psi = 5i^o$ and $\psi = 5(i + 1)^o$.

Inserting this value of $f(\psi)$ in (10) and summing over i, N(T) the deviation of the counting rate of detector at time T from the mean value N is

$$\frac{\Delta N(T)}{N} = \sum_{i=0}^{71} V(\psi_j, \beta) \cdot \sum_{m=1}^{\infty} \alpha_m \cos m (5i + 15T + 2.5 - 180 - C_m)$$

$$= \sum_{m=1}^{\infty} \alpha_m B_m \cos \left[m(15T - C_m - 180) + \gamma m \right]$$

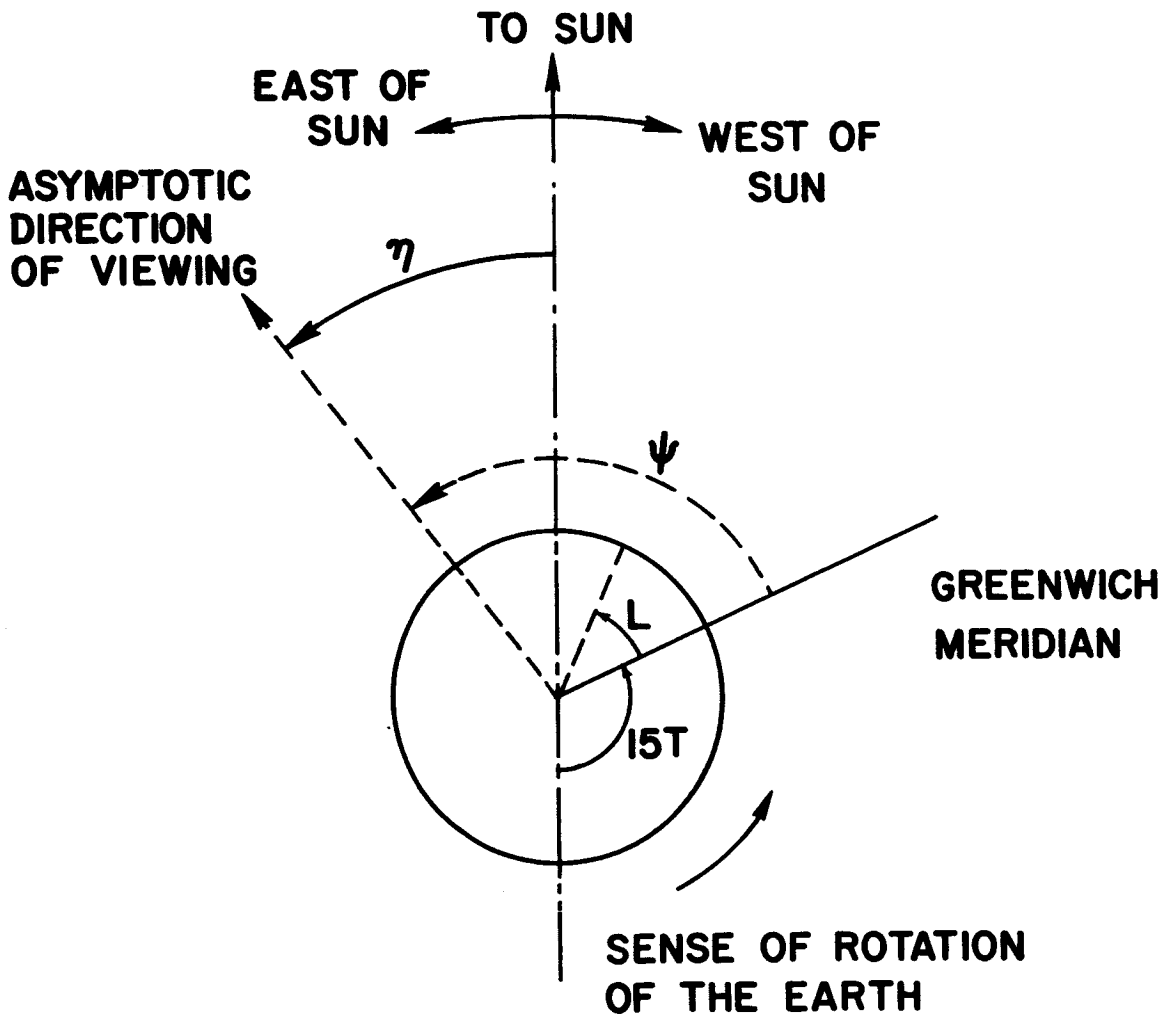

FIGURE 3

DEFINING THE ANGLES EMPLOYED TO SPECIFY THE ASYMPTOTIC DIRECTION OF VIEWING OF AN ARBITRARY STATION.

where

$$B_m^2 = \left\{ \sum_{i=0}^{71} V(\psi_j, \beta) \sin m \left[5i + 2.5 \right] \right\}^2$$

$$+ \left\{ \sum_{i=0}^{71} V(\psi_j, \beta) \cos m \left[5i + 2.5 \right] \right\}^2$$

and

$$\tan \gamma_m = \frac{\sum_{i=0}^{71} V(\psi_j, \beta) \sin m \left[5i + 2.5 \right]}{\sum_{i=0}^{71} V(\psi_j, \beta) \cos m \left[5i + 2.5 \right]}$$

where $\alpha_m B_m$ and $(-mC_m + \gamma_m)$ represent the amplitude and phase constants of the mth harmonic. The universal time at which the maximum intensity is observed is given by

$$T_m = \frac{180m + mC_m - \gamma_m}{15m} \text{ hours}$$

and the local time of maximum intensity, at a station whose geographic longitude is L, is given by

$$t_m = \frac{180m + mC_m - (\gamma_m - mL)}{15m} \text{ hours}$$

where the term $\frac{\gamma_m - mL}{15m}$ makes allowance for the deflection suffered by the cosmic rays in their passage through the geomagnetic field. This quantity is sometimes called the "geomagnetic bending" of the cosmic ray flux.

In the following pages, the variational coefficients for 79 stations and for 10 values of β, from $\beta = +0.6$ to $\beta = -1.5$, are tabulated. The relative amplitudes $(\alpha_m B_m)$ and the corrections for geomagnetic bending ($\frac{\gamma_m - mL}{15m}$) for the 1st and 2nd harmonics for different values of β are also tabulated for each station. For 17 of these stations, the variational coefficients, the relative amplitudes and the correction for geomagnetic bending were published earlier (McCracken, Rao, and Shea, 1962). Due to 1) the adoption of the new cut-off rigidities calculated using Finch and Leaton simulation of the geomagnetic field (Table 2), 2) the more extensive rigidity ranges for which data

on the trajectories are now available, and 3) the availability of accurate asymptotic direction data for nine directions, the plot of the variational coefficients tabulated here may slightly differ in its fine structure compared to that published earlier. For the majority of the cases considered, the calculated correction for geomagnetic bending does not differ by more than 2° for $\beta = 0.0$ and the calculated relative amplitudes by 5% for $\beta = 0$ when compared to the previously tabulated data.

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TABLE 3

COSMIC RAY ASYMPTOTIC DIRECTIONS

In the following pages the asymptotic directions of approach of cosmic ray particles of various rigidities arriving at 79 different stations are tabulated. For each station the asymptotic directions of approach for particles arriving with zenith angles of 0° (vertical), 16° and 32° in the north-south and east-west geomagnetic azimuths are tabulated.

The asymptotic directions are specified by two angles, the asymptotic latitude (positive to the north), and the asymptotic longitude (measured eastward from the Greenwich Meridian).. Computation errors are less than $\pm$ 0.1 degree.

The following symbols have been used in the tables:

XF Failed to complete integration: this indicates a very complex trajectory.

XR A trajectory which intersects the surface of the earth before arriving at the point of interest.

AHMEDABAD,INDIA

GEOGRAPHIC LATITUDE = 23.01 GEOGRAPHIC LONGITUDE = 72.61

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
11.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
13.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	2.6
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	282.7
15.00	AS. LAT	X R	X R	X R	X R	-3.5	X R	X R	X R	-10.1
	AS.LONG	X R	X R	X R	X R	238.4	X R	X R	X R	190.6
17.00	AS. LAT	-1.7	3.6	X R	1.8	-9.7	X R	X R	5.9	-4.4
	AS.LONG	246.3	278.3	X R	241.6	189.1	X R	X R	256.5	162.4
19.00	AS. LAT	-10.1	-14.3	-1.9	-5.7	-5.6	-12.0	X R	0.6	2.0
	AS.LONG	200.5	211.7	314.1	198.8	166.6	239.0	X R	205.0	146.2
25.00	AS. LAT	-1.9	-1.3	-10.1	-5.3	6.7	-6.2	-3.8	-8.5	14.1
	AS.LONG	155.3	161.3	184.4	153.9	135.2	171.1	243.7	157.7	119.2
35.00	AS. LAT	9.5	16.7	0.9	0.0	16.2	19.1	-8.7	-9.5	21.1
	AS.LONG	129.5	136.3	149.3	127.2	112.1	146.9	175.2	129.5	96.2
45.00	AS. LAT	14.9	25.2	7.9	2.9	19.8	31.9	-1.1	-9.2	22.9
	AS.LONG	116.7	123.4	135.1	114.5	99.5	134.9	155.9	116.3	83.3
55.00	AS. LAT	17.7	29.8	12.0	4.4	21.3	39.1	4.0	-8.9	23.1
	AS.LONG	108.8	114.8	126.8	106.9	91.5	126.3	146.0	108.5	75.1
65.00	AS. LAT	19.3	32.5	14.6	5.2	22.0	43.5	7.6	-8.8	22.8
	AS.LONG	103.2	108.5	121.1	101.8	85.9	119.5	139.7	103.3	69.4
75.00	AS. LAT	20.3	34.3	16.3	5.8	22.3	46.4	10.1	-8.7	22.4
	AS.LONG	99.2	103.7	117.0	98.0	81.8	113.9	135.2	99.6	65.3
85.00	AS. LAT	21.0	35.4	17.6	6.1	22.4	48.4	11.9	-8.6	22.0
	AS.LONG	96.1	100.0	113.9	95.2	78.7	109.3	131.9	96.8	62.2
95.00	AS. LAT	21.5	36.2	18.5	6.4	22.4	49.8	13.3	-8.6	21.6
	AS.LONG	93.6	97.0	111.4	93.0	76.2	105.4	129.3	94.6	59.7
150.00	AS. LAT	22.5	38.1	21.0	6.9	22.1	53.2	17.3	-8.5	19.9
	AS.LONG	85.9	87.3	103.6	86.2	68.6	92.1	121.3	87.8	52.2
250.00	AS. LAT	22.9	38.7	22.4	7.1	21.5	54.5	19.8	-8.5	18.4
	AS.LONG	80.6	80.4	98.2	81.5	63.4	81.9	115.8	83.2	47.0
350.00	AS. LAT	23.0	38.9	22.9	7.1	21.1	54.8	20.8	-8.6	17.7
	AS.LONG	78.3	77.5	95.9	79.5	61.1	77.4	113.4	81.2	44.8
450.00	AS. LAT	23.0	38.9	23.2	7.1	20.9	54.8	21.3	-8.6	17.3
	AS.LONG	77.0	75.8	94.6	78.4	59.9	74.9	112.1	80.2	43.6
750.00	AS. LAT	23.0	38.9	23.5	7.1	20.6	54.8	22.0	-8.6	16.6
	AS.LONG	75.2	73.5	92.7	76.9	58.2	71.3	110.2	78.6	42.0

ALERT,CANADA

GEOGRAPHIC LATITUDE = 82.50 GEOGRAPHIC LONGITUDE = -62.33

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	82.0	83.0	81.8	80.9	81.5	81.9	82.8	81.5	82.6
	AS.LONG	21.8	21.1	29.7	24.5	17.0	20.7	22.5	18.0	15.7
1.50	AS. LAT	83.0	83.9	83.8	82.1	82.1	85.4	81.4	79.9	81.9
	AS.LONG	11.1	2.8	22.1	19.2	7.6	20.0	24.3	12.4	-6.3
2.50	AS. LAT	83.1	84.0	82.5	82.1	83.7	83.3	84.4	83.1	83.7
	AS.LONG	2.4	6.6	5.1	-2.5	-6.9	-6.1	-6.0	1.4	-1.1
3.50	AS. LAT	83.4	85.1	82.4	81.4	83.7	84.5	82.6	81.6	84.4
	AS.LONG	-3.2	1.8	6.3	-7.1	-19.9	0.6	-5.8	-12.3	-23.2
4.50	AS. LAT	83.7	83.4	85.8	83.7	82.1	82.9	88.2	81.0	79.4
	AS.LONG	-15.1	-33.1	-19.3	3.6	-11.3	-63.6	52.3	23.4	-14.3
5.50	AS. LAT	83.3	85.5	82.2	80.9	83.6	85.5	81.9	80.5	84.2
	AS.LONG	-11.6	-6.4	0.4	-15.2	-31.5	-4.1	-7.9	-20.2	-39.7
6.50	AS. LAT	84.1	86.9	84.6	79.7	81.0	86.7	81.4	75.4	78.3
	AS.LONG	-13.2	-65.6	30.2	1.2	-36.5	-137.3	43.4	-1.0	-51.7
7.50	AS. LAT	84.3	83.8	88.1	81.6	80.1	81.4	84.7	76.3	75.7
	AS.LONG	-22.7	-69.6	20.6	11.4	-27.3	-105.5	52.2	19.9	-34.4
8.50	AS. LAT	83.8	82.2	87.0	83.7	80.8	79.4	87.7	80.1	76.8
	AS.LONG	-28.8	-55.7	-50.6	5.5	-20.6	-80.2	-190.0	30.2	-20.3
9.50	AS. LAT	83.3	82.2	84.5	84.1	82.1	79.9	86.5	83.6	79.6
	AS.LONG	-29.8	-42.5	-45.4	-13.6	-20.2	-60.1	-51.0	19.5	-13.5
11.00	AS. LAT	82.8	83.7	82.3	81.9	83.4	83.0	82.9	82.6	83.5
	AS.LONG	-27.4	-27.7	-26.7	-28.3	-32.0	-36.2	-40.2	-23.6	-26.5
13.00	AS. LAT	82.7	86.8	81.2	78.6	82.7	88.6	INDETER-	76.4	82.3
	AS.LONG	-23.6	-20.0	-3.2	-25.4	-52.2	4.5	MINATE	-28.9	-70.4
15.00	AS. LAT	83.1	88.9	81.3	76.4	80.7	85.6	78.0	71.4	77.6
	AS.LONG	-21.3	-88.3	17.4	-17.5	-59.6	-191.2	-333.5	-20.1	-78.4
17.00	AS. LAT	83.5	86.8	81.7	75.1	78.7	80.9	76.6	67.9	73.4
	AS.LONG	-20.6	-139.2	36.2	-9.7	-59.8	-175.8	-310.9	-10.7	-75.1
19.00	AS. LAT	83.9	84.5	82.1	74.4	77.0	77.0	75.5	65.5	69.9
	AS.LONG	-21.3	-139.3	53.5	-2.8	-57.7	-165.5	-292.6	-2.4	-70.0
25.00	AS. LAT	84.7	79.6	82.5	73.9	73.9	69.0	72.3	62.0	63.4
	AS.LONG	-28.0	-127.9	-263.4	12.6	-49.8	-145.3	-256.0	16.3	-56.2
35.00	AS. LAT	85.0	75.2	81.5	74.7	71.5	62.3	68.7	60.8	58.5
	AS.LONG	-40.8	-114.4	-221.9	28.3	-40.3	-127.1	-225.8	35.0	-41.9
45.00	AS. LAT	84.8	73.0	80.3	75.5	70.6	59.0	66.5	61.0	56.5
	AS.LONG	-48.8	-106.4	-201.5	37.8	-34.6	-116.9	-210.4	46.1	-33.6
55.00	AS. LAT	84.6	71.6	79.4	76.3	70.2	57.1	65.1	61.3	55.5
	AS.LONG	-53.2	-101.2	-189.9	44.1	-30.8	-110.3	-201.1	53.5	-28.3
65.00	AS. LAT	84.3	70.7	78.8	76.8	69.9	55.9	64.2	61.7	55.0
	AS.LONG	-55.8	-97.6	-182.4	48.8	-28.2	-105.8	-194.8	58.7	-24.6
75.00	AS. LAT	84.1	70.1	78.3	77.3	69.8	55.1	63.5	62.0	54.7
	AS.LONG	-57.4	-94.9	-177.2	52.3	-26.3	-102.4	-190.3	62.6	-21.9
85.00	AS. LAT	83.9	69.7	77.9	77.6	69.7	54.5	63.0	62.2	54.5
	AS.LONG	-58.5	-92.9	-173.3	55.0	-24.8	-99.9	-186.9	65.7	-19.8
95.00	AS. LAT	83.8	69.3	77.6	77.9	69.7	54.0	62.7	62.5	54.4
	AS.LONG	-59.2	-91.2	-170.4	57.3	-23.7	-97.8	-184.3	68.1	-18.2
150.00	AS. LAT	83.3	68.3	76.7	78.8	69.7	52.7	61.6	63.2	54.2
	AS.LONG	-61.0	-86.2	-161.4	64.6	-20.1	-91.5	-176.1	75.8	-13.1
250.00	AS. LAT	83.0	67.7	76.0	79.5	69.7	51.9	60.9	63.8	54.2
	AS.LONG	-61.7	-82.7	-155.6	70.0	-17.6	-87.2	-170.5	81.3	-9.6
350.00	AS. LAT	82.8	67.4	75.7	79.8	69.8	51.6	60.7	64.1	54.3
	AS.LONG	-62.0	-81.2	-153.1	72.4	-16.6	-85.3	-168.1	83.7	-8.1
450.00	AS. LAT	82.8	67.3	75.6	79.9	69.8	51.4	60.5	64.2	54.3
	AS.LONG	-62.1	-80.4	-151.8	73.7	-16.0	-84.3	-166.8	85.1	-7.2
750.00	AS. LAT	82.6	67.1	75.4	80.1	69.8	51.2	60.3	64.4	54.4
	AS.LONG	-62.2	-79.3	-149.9	75.7	-15.2	-82.8	-165.0	86.9	-6.1

ALMA ATA,U.S.S.R.

GEOGRAPHIC LATITUDE = 43.20 GEOGRAPHIC LONGITUDE = 76.94

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	2.3	X R	7.1	6.5
	AS.LONG	X R	X R	X R	X R	X R	373.6	X R	524.3	256.1
7.50	AS. LAT	6.6	4.9	-20.3	1.8	7.4	-1.3	X R	-3.6	2.0
	AS.LONG	264.5	241.4	361.3	284.5	233.4	231.5	X R	298.5	211.8
8.50	AS. LAT	3.9	1.4	7.0	2.7	-2.2	-4.1	4.7	-0.1	-7.7
	AS.LONG	221.0	211.9	238.0	221.4	206.5	198.1	258.5	217.5	194.2
9.50	AS. LAT	-4.4	-3.5	2.6	-7.0	-11.6	-5.6	4.7	-9.0	-16.1
	AS.LONG	202.3	199.7	214.6	197.9	190.5	187.5	223.9	191.2	180.5
11.00	AS. LAT	-14.2	-12.5	-5.9	-14.1	-18.1	-10.8	1.6	-12.5	-18.9
	AS.LONG	184.1	188.1	197.2	176.4	171.5	182.7	206.4	168.4	162.2
13.00	AS. LAT	-17.9	-20.1	-15.2	-14.6	-14.6	-19.3	-5.3	-11.2	-10.1
	AS.LONG	165.9	173.7	181.9	158.0	153.7	177.3	195.7	150.6	146.3
15.00	AS. LAT	-14.6	-19.3	-18.9	-11.0	-6.3	-23.1	-13.2	-8.6	1.4
	AS.LONG	153.4	161.3	169.3	146.2	143.2	168.4	187.5	139.6	137.5
17.00	AS. LAT	-8.9	-13.7	-18.1	-6.6	2.0	-20.3	-18.9	-6.1	11.6
	AS.LONG	145.4	152.8	159.5	138.3	136.6	160.1	179.4	131.9	131.5
19.00	AS. LAT	-3.0	-6.9	-15.0	-2.4	9.2	-14.2	-21.4	-3.9	19.8
	AS.LONG	139.8	147.5	152.3	132.5	131.6	154.7	171.5	126.2	126.4
25.00	AS. LAT	11.0	11.1	-3.3	6.9	23.9	6.0	-17.3	0.7	35.2
	AS.LONG	129.8	139.3	140.5	121.5	120.6	148.4	155.0	115.2	112.6
35.00	AS. LAT	24.0	29.2	10.7	15.3	35.4	28.6	-4.3	4.7	44.7
	AS.LONG	119.9	131.8	131.8	111.2	107.0	145.1	144.1	105.6	93.0
45.00	AS. LAT	30.7	39.0	18.9	19.4	39.9	41.8	4.9	6.7	46.7
	AS.LONG	113.0	125.6	126.9	105.0	97.2	142.4	139.5	100.2	79.3
55.00	AS. LAT	34.4	44.8	24.1	21.6	41.9	50.1	11.2	7.9	46.3
	AS.LONG	107.9	120.3	123.3	100.7	90.0	139.3	136.7	96.8	70.2
65.00	AS. LAT	36.7	48.5	27.6	23.0	42.7	55.8	15.6	8.6	45.4
	AS.LONG	103.9	115.7	120.5	97.7	84.8	136.1	134.7	94.4	64.2
75.00	AS. LAT	38.3	51.0	30.0	24.0	43.0	59.8	18.9	9.1	44.3
	AS.LONG	100.8	111.7	118.3	95.4	80.8	132.8	133.2	92.7	59.9
85.00	AS. LAT	39.3	52.8	31.9	24.6	43.1	62.8	21.4	9.5	43.3
	AS.LONG	98.3	108.3	116.5	93.6	77.8	129.6	132.0	91.3	56.9
95.00	AS. LAT	40.0	54.0	33.3	25.1	43.1	65.1	23.3	9.7	42.5
	AS.LONG	96.3	105.4	115.0	92.1	75.4	126.4	130.9	90.2	54.5
150.00	AS. LAT	41.9	57.2	37.4	26.2	42.4	71.2	29.3	10.5	39.2
	AS.LONG	89.5	94.8	109.9	87.5	68.0	111.2	127.4	86.8	47.9
250.00	AS. LAT	42.7	58.5	39.9	26.8	41.4	74.1	33.3	10.9	36.5
	AS.LONG	84.5	86.4	105.8	84.2	63.1	94.3	124.6	84.5	43.8
350.00	AS. LAT	42.9	58.8	40.9	27.0	40.8	74.7	35.0	11.0	35.3
	AS.LONG	82.4	82.6	103.9	82.8	61.1	85.4	123.2	83.5	42.2
450.00	AS. LAT	43.0	59.0	41.4	27.1	40.5	74.9	35.9	11.1	34.6
	AS.LONG	81.2	80.5	102.9	82.0	60.0	80.2	122.5	82.9	41.4
750.00	AS. LAT	43.1	59.0	42.1	27.2	40.0	74.9	37.2	11.2	33.6
	AS.LONG	79.5	77.4	101.3	80.9	58.5	72.8	121.3	82.1	40.2

APATITY, U.S.S.R.

GEOGRAPHIC LATITUDE = 67.55 GEOGRAPHIC LONGITUDE = 33.33

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-4.9	-4.3	-2.3	-4.0	-5.9	-6.2	-2.5	-3.3	-7.2
	AS.LONG	161.5	162.7	166.5	162.9	157.0	160.4	169.7	162.3	155.5
1.50	AS. LAT	-7.3	-7.0	-7.0	-6.9	-6.1	-4.4	-7.4	-5.9	-6.4
	AS.LONG	109.4	108.6	109.8	108.7	107.6	107.9	112.8	107.9	106.5
2.50	AS. LAT	6.8	6.0	3.4	5.7	9.4	5.0	3.7	5.3	11.4
	AS.LONG	90.0	91.3	91.7	89.0	87.8	89.5	90.0	87.4	87.0
3.50	AS. LAT	15.0	14.3	11.0	14.0	18.5	12.4	10.1	13.7	21.2
	AS.LONG	83.4	85.2	84.5	81.4	81.4	84.0	82.7	78.9	80.8
4.50	AS. LAT	21.5	23.1	22.0	21.6	21.8	27.4	21.5	21.1	22.3
	AS.LONG	77.1	76.7	78.3	77.4	76.6	78.1	82.6	78.1	74.9
5.50	AS. LAT	24.0	22.8	20.1	24.4	28.3	21.8	19.6	25.4	31.2
	AS.LONG	77.1	79.2	76.6	73.6	76.6	77.9	74.5	70.3	76.9
6.50	AS. LAT	29.7	31.1	24.3	26.7	34.1	28.8	18.0	23.9	38.5
	AS.LONG	76.3	80.4	79.4	73.0	72.5	84.2	79.6	69.4	69.8
7.50	AS. LAT	33.9	37.5	31.2	30.2	35.7	39.2	25.3	26.1	38.4
	AS.LONG	73.3	75.9	78.2	72.4	68.8	81.9	82.5	71.1	64.2
8.50	AS. LAT	35.8	39.0	35.5	33.5	36.0	43.5	33.2	30.7	36.9
	AS.LONG	70.4	70.6	74.1	71.0	67.6	74.0	80.0	71.5	63.8
9.50	AS. LAT	36.4	38.0	36.8	36.1	36.6	42.4	37.3	35.4	36.9
	AS.LONG	68.7	68.0	69.9	69.1	68.0	68.1	74.2	70.0	66.0
11.00	AS. LAT	37.0	36.2	35.8	38.7	38.9	38.1	37.0	40.3	40.0
	AS.LONG	68.0	68.5	66.3	66.3	69.7	66.9	66.4	65.2	70.2
13.00	AS. LAT	38.3	36.0	33.8	40.5	43.3	34.8	32.1	42.6	46.7
	AS.LONG	68.8	72.4	65.9	63.2	71.5	72.3	63.0	58.0	74.2
15.00	AS. LAT	40.4	38.0	33.0	41.6	47.9	35.0	27.9	42.3	53.7
	AS.LONG	69.9	76.7	67.7	61.1	72.1	79.3	64.5	52.4	75.4
17.00	AS. LAT	42.7	40.9	33.2	42.3	52.1	37.2	25.4	41.0	59.8
	AS.LONG	70.9	80.6	70.0	59.6	71.4	86.0	67.5	49.0	73.8
19.00	AS. LAT	45.0	44.2	34.2	42.9	55.6	40.2	24.4	39.5	64.7
	AS.LONG	71.5	83.8	72.2	58.6	69.8	91.8	70.9	47.1	69.6
25.00	AS. LAT	51.0	53.2	38.5	44.6	62.5	49.8	25.6	36.4	72.2
	AS.LONG	71.6	89.9	77.3	56.5	61.5	105.5	79.4	45.3	45.1
35.00	AS. LAT	57.3	63.6	45.0	46.5	66.5	61.6	31.1	34.3	70.3
	AS.LONG	68.8	93.4	81.6	54.4	45.5	121.3	88.1	45.8	10.4
45.00	AS. LAT	60.8	70.0	49.7	47.8	66.9	69.0	35.9	33.8	65.7
	AS.LONG	65.0	92.8	83.4	52.9	34.0	133.6	93.1	46.5	-1.2
55.00	AS. LAT	62.9	74.2	52.9	48.6	66.3	73.7	39.6	33.7	62.0
	AS.LONG	61.5	89.9	84.2	51.8	26.7	145.0	96.3	47.1	-5.5
65.00	AS. LAT	64.2	77.0	55.3	49.2	65.5	76.8	42.3	33.9	59.4
	AS.LONG	58.5	85.6	84.4	51.0	22.1	156.3	98.5	47.6	-7.4
75.00	AS. LAT	65.0	78.9	57.1	49.7	64.7	78.8	44.5	34.1	57.4
	AS.LONG	55.9	80.4	84.4	50.3	19.0	167.8	100.1	47.9	-8.3
85.00	AS. LAT	65.6	80.2	58.5	50.0	64.1	80.1	46.2	34.3	55.8
	AS.LONG	53.7	74.6	84.3	49.7	16.8	179.1	101.3	48.1	-8.8
95.00	AS. LAT	66.0	81.2	59.6	50.3	63.5	80.9	47.5	34.4	54.6
	AS.LONG	51.9	68.5	84.1	49.2	15.2	189.9	102.2	48.3	-9.1
150.00	AS. LAT	67.0	82.9	63.0	51.1	61.6	81.1	52.0	35.1	50.7
	AS.LONG	45.6	39.5	82.8	47.6	10.8	-130.6	105.1	48.8	-9.5
250.00	AS. LAT	67.4	82.4	65.4	51.7	60.0	79.5	55.2	35.7	48.1
	AS.LONG	40.8	16.1	81.2	46.3	8.4	-107.4	106.9	49.1	-9.4
350.00	AS. LAT	67.5	81.8	66.4	51.9	59.3	78.4	56.7	36.0	47.0
	AS.LONG	38.7	7.7	80.3	45.8	7.4	-99.6	107.7	49.3	-9.3
450.00	AS. LAT	67.5	81.4	66.9	52.0	58.9	77.8	57.5	36.2	46.4
	AS.LONG	37.5	3.7	79.7	45.5	7.0	-95.8	108.1	49.3	-9.2
750.00	AS. LAT	67.6	80.8	67.7	52.2	58.4	76.8	58.6	36.4	45.5
	AS.LONG	35.8	-1.1	78.8	45.0	6.3	-91.1	108.7	49.4	-9.1

BERKELEY,U.S.A.

GEOGRAPHIC LATITUDE = 37.86 GEOGRAPHIC LONGITUDE =-122.30

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X F	X R	X R	X R	X R	X R	X R	X F
	AS.LONG	X R	X F	X R	X R	X R	X R	X R	X R	X F
3.50	AS. LAT	X R	X F	X R	X F	X F	X R	X F	X F	X R
	AS.LONG	X R	X F	X R	X F	X F	X R	X F	X F	X R
4.50	AS. LAT	-1.5	X R	X R	-19.1	X R	-1.2	X R	X R	-5.7
	AS.LONG	218.4	X R	X R	676.4	X R	241.1	X R	X R	134.4
5.50	AS. LAT	-1.5	6.6	26.7	0.0	-16.8	24.5	X R	4.8	-24.5
	AS.LONG	15.2	24.3	56.3	13.7	-2.7	40.4	X R	15.7	-14.8
6.50	AS. LAT	-25.2	-26.5	-19.4	-24.0	-28.2	-26.4	-4.7	-22.4	-28.9
	AS.LONG	-22.1	-21.5	-6.7	-18.5	-35.0	-9.4	14.4	-14.3	-46.8
7.50	AS. LAT	-29.8	-28.3	-27.3	-30.8	-31.6	-27.8	-24.8	-31.7	-31.5
	AS.LONG	-40.1	-44.2	-31.1	-36.9	-48.9	-43.0	-19.1	-35.0	-58.7
8.50	AS. LAT	-32.6	-30.3	-29.8	-33.2	-34.1	-25.7	-27.3	-33.0	-34.1
	AS.LONG	-49.5	-53.6	-43.3	-49.3	-56.7	-58.2	-37.2	-51.0	-64.6
9.50	AS. LAT	-34.3	-33.2	-32.2	-33.2	-34.7	-28.1	-28.9	-31.0	-34.1
	AS.LONG	-56.0	-57.6	-49.8	-58.6	-62.8	-64.2	-45.8	-62.5	-69.3
11.00	AS. LAT	-34.3	-36.1	-34.9	-30.7	-31.5	-33.7	-32.3	-26.5	-28.9
	AS.LONG	-63.8	-61.5	-56.1	-68.7	-70.3	-65.6	-50.8	-74.0	-75.0
13.00	AS. LAT	-29.9	-34.7	-35.6	-25.1	-22.9	-37.3	-36.6	-20.9	-17.5
	AS.LONG	-71.4	-66.6	-62.9	-77.4	-76.5	-65.7	-53.6	-83.5	-79.2
15.00	AS. LAT	-23.4	-29.2	-33.1	-19.3	-13.5	-35.3	-38.9	-16.5	-5.9
	AS.LONG	-76.1	-70.3	-68.4	-82.9	-80.0	-67.0	-56.7	-89.7	-81.6
17.00	AS. LAT	-16.8	-22.1	-29.1	-14.0	-5.2	-29.7	-38.8	-13.0	3.9
	AS.LONG	-79.1	-72.4	-72.4	-86.7	-82.6	-67.9	-60.6	-94.3	-83.8
19.00	AS. LAT	-10.8	-15.1	-24.5	-9.6	1.7	-22.9	-37.1	-10.4	12.0
	AS.LONG	-81.3	-73.6	-75.1	-89.6	-84.8	-68.0	-64.1	-97.8	-86.2
25.00	AS. LAT	2.6	1.7	-12.3	-0.1	16.3	-3.8	-28.2	-5.2	28.2
	AS.LONG	-85.9	-75.7	-79.5	-95.9	-91.0	-66.9	-70.7	-104.8	-94.3
35.00	AS. LAT	15.2	18.7	0.7	8.1	28.3	17.0	-15.1	-1.0	40.2
	AS.LONG	-91.7	-79.1	-83.4	-102.5	-100.0	-66.3	-74.6	-111.3	-108.3
45.00	AS. LAT	21.8	28.1	8.4	12.3	33.8	29.3	-6.4	1.0	44.4
	AS.LONG	-96.1	-82.6	-86.1	-106.8	-107.2	-67.2	-76.5	-115.1	-119.6
55.00	AS. LAT	25.8	33.9	13.3	14.7	36.6	37.2	-0.7	2.2	45.7
	AS.LONG	-99.6	-85.8	-88.2	-109.8	-112.7	-68.6	-77.7	-117.5	-127.8
65.00	AS. LAT	28.3	37.8	16.6	16.2	38.2	42.6	3.3	3.0	46.0
	AS.LONG	-102.3	-88.5	-89.8	-112.0	-116.8	-70.2	-78.7	-119.2	-133.8
75.00	AS. LAT	30.0	40.5	19.0	17.3	39.1	46.6	6.3	3.6	45.8
	AS.LONG	-104.5	-91.0	-91.2	-113.7	-120.0	-71.9	-79.5	-120.5	-138.2
85.00	AS. LAT	31.2	42.5	20.8	18.1	39.6	49.6	8.6	4.0	45.4
	AS.LONG	-106.2	-93.0	-92.3	-115.0	-122.6	-73.4	-80.1	-121.4	-141.6
95.00	AS. LAT	32.2	44.0	22.2	18.6	40.0	51.9	10.4	4.3	45.0
	AS.LONG	-107.7	-94.8	-93.2	-116.1	-124.7	-74.9	-80.7	-122.2	-144.1
150.00	AS. LAT	34.7	48.2	26.4	20.2	40.5	58.8	16.0	5.1	43.1
	AS.LONG	-112.6	-101.4	-96.5	-119.6	-131.3	-81.5	-82.7	-124.7	-151.8
250.00	AS. LAT	36.2	50.6	29.1	21.1	40.4	63.1	19.8	5.7	41.2
	AS.LONG	-116.3	-106.9	-99.1	-122.1	-135.9	-88.3	-84.3	-126.4	-156.6
350.00	AS. LAT	36.7	51.5	30.2	21.4	40.3	64.7	21.4	5.9	40.3
	AS.LONG	-117.9	-109.4	-100.3	-123.2	-137.8	-92.1	-85.1	-127.1	-158.6
450.00	AS. LAT	37.0	52.0	30.8	21.6	40.2	65.6	22.3	6.0	39.7
	AS.LONG	-118.9	-110.9	-101.0	-123.8	-138.9	-94.4	-85.6	-127.5	-159.6
750.00	AS. LAT	37.4	52.6	31.6	21.8	40.0	66.7	23.5	6.2	39.0
	AS.LONG	-120.2	-113.1	-102.0	-124.7	-140.4	-97.9	-86.3	-128.1	-161.0

BRISBANE,AUSTRALIA

GEOGRAPHIC LATITUDE = -27.50 GEOGRAPHIC LONGITUDE = 153.01

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X F	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X F	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	-10.8
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	376.5
7.50	AS. LAT	24.7	X R	X R	-19.0	-26.0	X R	4.1	-18.9	-18.5
	AS.LONG	425.8	X R	X R	357.8	335.3	X R	525.2	361.5	299.4
8.50	AS. LAT	-26.3	-26.8	-18.7	-19.7	-17.6	-24.6	X R	-8.7	-7.1
	AS.LONG	322.4	327.7	362.3	304.7	297.9	323.1	X R	291.2	281.7
9.50	AS. LAT	-15.4	-11.3	-25.4	-13.3	-3.4	-6.0	-24.5	-4.5	5.2
	AS.LONG	296.1	293.4	316.5	289.5	282.5	287.2	340.8	274.8	271.9
11.00	AS. LAT	2.6	6.6	-12.2	-1.3	12.6	8.5	-23.8	0.5	17.8
	AS.LONG	277.9	270.9	291.4	279.3	266.2	262.6	306.7	269.5	256.9
13.00	AS. LAT	15.7	15.2	5.4	13.8	18.1	14.0	-12.2	10.3	17.5
	AS.LONG	259.9	250.5	275.5	268.1	246.3	242.1	289.8	268.5	237.2
15.00	AS. LAT	17.5	15.3	15.3	19.8	13.4	14.2	1.1	19.5	8.6
	AS.LONG	244.7	235.8	262.5	254.8	231.8	228.5	280.4	263.0	224.0
17.00	AS. LAT	14.0	12.6	18.3	17.9	6.3	13.0	11.4	22.3	-0.8
	AS.LONG	233.6	225.5	250.9	243.2	222.0	218.9	272.0	253.5	215.1
19.00	AS. LAT	9.2	9.3	17.3	12.6	-0.3	11.6	17.3	19.2	-8.9
	AS.LONG	225.6	217.8	241.6	234.8	214.9	211.7	263.5	244.8	208.1
25.00	AS. LAT	-3.5	1.2	8.0	-4.2	-14.3	8.2	18.0	0.6	-24.0
	AS.LONG	211.0	203.3	224.6	220.6	200.1	198.0	243.1	230.8	191.6
35.00	AS. LAT	-15.2	-5.6	-4.4	-21.6	-24.6	5.5	7.4	-22.4	-32.7
	AS.LONG	197.4	190.4	211.4	207.9	184.2	186.3	226.9	220.8	171.6
45.00	AS. LAT	-20.7	-8.6	-11.6	-30.4	-28.1	4.4	-0.7	-35.4	-34.1
	AS.LONG	188.9	182.9	203.9	198.9	173.7	179.9	219.3	213.5	158.6
55.00	AS. LAT	-23.6	-10.1	-15.9	-35.3	-29.3	3.9	-6.1	-43.1	-33.5
	AS.LONG	183.0	178.1	198.9	192.0	166.7	175.9	214.5	207.0	150.3
65.00	AS. LAT	-25.2	-10.9	-18.6	-38.2	-29.7	3.7	-9.9	-48.1	-32.4
	AS.LONG	178.7	174.7	195.2	186.6	161.7	173.1	211.2	201.2	144.8
75.00	AS. LAT	-26.2	-11.4	-20.5	-40.0	-29.6	3.5	-12.7	-51.4	-31.3
	AS.LONG	175.4	172.2	192.3	182.2	158.0	171.1	208.6	196.0	140.8
85.00	AS. LAT	-26.8	-11.7	-21.9	-41.2	-29.4	3.5	-14.7	-53.6	-30.2
	AS.LONG	172.8	170.2	190.1	178.7	155.2	169.5	206.7	191.4	137.9
95.00	AS. LAT	-27.2	-11.9	-22.9	-42.0	-29.1	3.5	-16.3	-55.2	-29.3
	AS.LONG	170.8	168.7	188.3	175.8	153.0	168.3	205.0	187.4	135.7
150.00	AS. LAT	-27.9	-12.2	-25.7	-43.6	-27.8	3.5	-21.0	-58.8	-25.8
	AS.LONG	164.3	163.9	182.3	166.3	146.3	164.6	199.7	172.6	129.2
250.00	AS. LAT	-28.0	-12.1	-27.3	-43.9	-26.4	3.7	-24.0	-59.8	-23.0
	AS.LONG	159.7	160.6	177.9	159.5	141.9	162.0	195.8	160.8	125.1
350.00	AS. LAT	-27.9	-12.0	-27.8	-43.9	-25.7	3.8	-25.2	-59.8	-21.7
	AS.LONG	157.8	159.2	176.0	156.6	140.1	160.8	194.0	155.7	123.5
450.00	AS. LAT	-27.9	-12.0	-28.1	-43.8	-25.3	3.8	-25.9	-59.7	-20.9
	AS.LONG	156.7	158.4	174.9	154.9	139.1	160.2	193.0	152.8	122.6
750.00	AS. LAT	-27.7	-11.9	-28.5	-43.6	-24.7	3.9	-26.8	-59.4	-19.8
	AS.LONG	155.2	157.3	173.4	152.7	137.7	159.4	191.5	148.8	121.4

BUDAPEST,HUNGARY

GEOGRAPHIC LATITUDE = 47.50 GEOGRAPHIC LONGITUDE = 18.90

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X F	X R	X R	X R	X R	X R	X F	X R
	AS.LONG	X R	X F	X R	X R	X R	X R	X R	X F	X R
4.50	AS. LAT	5.9	X R	X R	7.4	1.3	-11.7	-5.4	-10.4	16.6
	AS.LONG	514.0	X R	X R	472.9	414.4	324.2	1337.4	648.4	213.2
5.50	AS. LAT	2.2	1.2	15.6	6.8	-4.2	10.2	X R	12.9	-6.9
	AS.LONG	161.3	164.5	203.0	166.8	140.3	178.4	X R	177.4	126.0
6.50	AS. LAT	-6.7	-7.3	-5.1	-6.2	-7.8	-10.4	0.3	-5.4	-7.9
	AS.LONG	124.8	121.3	138.9	130.5	113.9	125.9	162.9	136.5	103.8
7.50	AS. LAT	-8.8	-6.8	-6.9	-9.8	-10.5	-4.2	-6.5	-10.5	-11.0
	AS.LONG	109.6	104.5	117.1	113.2	102.6	102.1	127.8	115.4	95.2
8.50	AS. LAT	-10.9	-9.0	-8.4	-11.0	-12.3	-4.1	-6.0	-10.3	-12.5
	AS.LONG	101.6	97.6	107.0	102.4	95.8	91.6	112.3	101.7	89.9
9.50	AS. LAT	-12.3	-11.8	-10.5	-10.8	-12.0	-7.5	-7.2	-8.6	-10.9
	AS.LONG	96.1	94.3	101.5	94.8	90.4	88.0	105.1	92.2	85.4
11.00	AS. LAT	-11.7	-13.7	-13.2	-8.8	-7.8	-12.5	-10.8	-5.8	-4.1
	AS.LONG	89.8	91.0	96.5	86.4	84.1	87.5	100.9	82.4	80.0
13.00	AS. LAT	-7.4	-11.0	-13.8	-4.6	0.6	-13.9	-15.2	-2.6	7.4
	AS.LONG	83.6	87.1	91.3	78.9	78.2	87.5	98.8	73.8	75.0
15.00	AS. LAT	-1.3	-4.9	-11.5	0.0	9.2	-10.1	-17.5	0.0	18.1
	AS.LONG	79.4	84.3	87.1	73.5	74.0	86.9	96.6	67.8	70.8
17.00	AS. LAT	4.6	2.0	-7.6	4.2	16.6	-3.5	-17.4	2.0	26.7
	AS.LONG	76.2	82.5	83.9	69.5	70.4	86.7	94.0	63.4	66.5
19.00	AS. LAT	10.1	8.8	-3.3	7.9	22.6	3.5	-15.7	3.7	33.4
	AS.LONG	73.7	81.2	81.5	66.3	67.1	86.9	91.5	60.0	62.0
25.00	AS. LAT	22.3	24.9	8.2	15.8	34.6	22.3	-6.9	7.2	45.1
	AS.LONG	67.6	77.9	76.9	59.1	57.7	87.9	86.6	52.9	47.3
35.00	AS. LAT	33.3	40.6	20.9	22.6	43.1	42.3	6.2	10.4	50.3
	AS.LONG	59.5	72.1	72.2	51.3	44.2	88.0	83.1	46.4	26.5
45.00	AS. LAT	38.8	49.0	28.3	25.9	46.0	53.9	14.9	12.1	49.7
	AS.LONG	53.2	66.0	68.7	46.2	34.4	86.1	81.2	42.6	13.5
55.00	AS. LAT	41.8	53.9	32.9	27.7	46.8	61.3	20.7	13.1	48.1
	AS.LONG	48.3	60.2	65.8	42.6	27.5	83.0	79.8	40.1	5.7
65.00	AS. LAT	43.6	56.9	35.9	28.9	47.0	66.2	24.8	13.7	46.4
	AS.LONG	44.5	55.0	63.5	40.1	22.7	79.2	78.7	38.3	0.9
75.00	AS. LAT	44.7	58.9	38.1	29.6	46.8	69.8	27.8	14.2	44.9
	AS.LONG	41.5	50.4	61.5	38.1	19.1	74.8	77.7	37.0	-2.3
85.00	AS. LAT	45.4	60.2	39.8	30.1	46.5	72.3	30.1	14.5	43.6
	AS.LONG	39.1	46.5	59.9	36.5	16.4	70.0	76.9	36.0	-4.7
95.00	AS. LAT	46.0	61.1	41.0	30.4	46.2	74.2	31.9	14.7	42.5
	AS.LONG	37.1	43.1	58.5	35.3	14.3	65.0	76.2	35.2	-6.4
150.00	AS. LAT	47.2	62.9	44.7	31.3	44.8	78.5	37.5	15.4	38.8
	AS.LONG	30.6	31.2	53.7	31.4	8.0	39.1	73.5	32.6	-11.2
250.00	AS. LAT	47.6	63.3	46.9	31.7	43.5	79.0	41.3	15.8	36.0
	AS.LONG	25.9	22.2	49.7	28.5	3.9	12.8	71.2	30.8	-14.0
350.00	AS. LAT	47.6	63.3	47.7	31.8	42.8	78.4	42.9	16.0	34.7
	AS.LONG	23.9	18.3	47.9	27.3	2.3	1.9	70.0	30.0	-15.1
450.00	AS. LAT	47.6	63.2	48.2	31.9	42.4	77.9	43.8	16.1	34.0
	AS.LONG	22.8	16.2	46.8	26.6	1.4	-3.5	69.3	29.6	-15.7
750.00	AS. LAT	47.6	62.9	48.8	31.9	41.8	77.0	45.0	16.2	33.0
	AS.LONG	21.2	13.2	45.3	25.7	0.2	-10.3	68.3	29.0	-16.4

BUENOS AIRES,ARGENTINA

GEOGRAPHIC LATITUDE = -34.58 GEOGRAPHIC LONGITUDE = -58.50

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	0.0
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	233.1
9.50	AS. LAT	X R	X R	X R	X R	4.7	X R	X R	X R	5.3
	AS.LONG	X R	X R	X R	X R	201.2	X R	X R	X R	115.8
11.00	AS. LAT	-5.6	-8.9	X R	X R	24.6	X R	X R	0.0	26.9
	AS.LONG	196.1	176.1	X R	X R	82.4	X R	X R	123.8	49.5
13.00	AS. LAT	27.1	22.6	-10.5	29.8	21.0	16.1	X R	17.1	10.4
	AS.LONG	67.8	65.2	142.1	81.5	35.8	72.0	X R	106.7	19.8
15.00	AS. LAT	21.4	20.3	26.6	26.3	8.4	20.2	5.1	35.4	-3.2
	AS.LONG	36.8	35.0	74.9	44.3	17.7	39.7	276.9	59.5	6.4
17.00	AS. LAT	12.2	14.3	25.5	14.7	-1.2	18.2	18.9	23.7	-12.8
	AS.LONG	22.0	19.0	46.9	28.9	7.4	21.7	98.0	38.7	-2.6
19.00	AS. LAT	4.6	9.0	19.2	4.8	-8.5	15.4	28.7	11.7	-19.7
	AS.LONG	13.1	9.0	32.1	20.7	0.0	10.1	68.1	29.9	-10.0
25.00	AS. LAT	-9.9	-1.4	3.6	-14.3	-21.4	9.0	18.8	-12.6	-31.1
	AS.LONG	-2.2	-8.2	12.1	7.4	-15.0	-9.4	31.2	19.2	-27.1
35.00	AS. LAT	-20.9	-9.2	-9.7	-29.6	-30.1	3.9	3.5	-32.8	-37.3
	AS.LONG	-16.0	-22.4	-1.6	-4.9	-30.6	-24.6	13.3	10.4	-45.8
45.00	AS. LAT	-25.9	-12.7	-16.3	-36.9	-33.4	1.5	-4.5	-43.2	-38.6
	AS.LONG	-24.3	-30.3	-9.1	-13.3	-40.4	-32.6	5.5	3.8	-57.3
55.00	AS. LAT	-28.6	-14.5	-20.1	-40.9	-34.8	0.3	-9.4	-49.3	-38.5
	AS.LONG	-29.9	-35.4	-14.1	-19.5	-47.0	-37.6	0.8	-1.6	-64.8
65.00	AS. LAT	-30.2	-15.6	-22.5	-43.4	-35.4	-0.3	-12.6	-53.3	-38.1
	AS.LONG	-34.0	-39.0	-17.6	-24.3	-51.7	-41.0	-2.4	-6.3	-70.0
75.00	AS. LAT	-31.2	-16.2	-24.2	-45.0	-35.7	-0.8	-14.9	-56.0	-37.5
	AS.LONG	-37.1	-41.6	-20.3	-28.0	-55.2	-43.5	-4.8	-10.4	-73.7
85.00	AS. LAT	-31.9	-16.7	-25.4	-46.2	-35.8	-1.1	-16.6	-57.9	-37.0
	AS.LONG	-39.5	-43.7	-22.4	-31.1	-57.8	-45.4	-6.7	-14.0	-76.5
95.00	AS. LAT	-32.4	-17.0	-26.3	-47.0	-35.8	-1.4	-17.9	-59.4	-36.5
	AS.LONG	-41.4	-45.3	-24.0	-33.6	-60.0	-47.0	-8.2	-17.1	-78.7
150.00	AS. LAT	-33.6	-17.9	-28.9	-49.0	-35.5	-2.0	-21.7	-63.2	-34.6
	AS.LONG	-47.5	-50.3	-29.4	-41.8	-66.6	-51.7	-13.0	-28.6	-85.4
250.00	AS. LAT	-34.2	-18.3	-30.4	-49.9	-35.0	-2.3	-24.1	-65.1	-32.9
	AS.LONG	-51.9	-53.9	-33.3	-47.9	-71.1	-54.9	-16.4	-38.3	-89.8
350.00	AS. LAT	-34.3	-18.4	-31.0	-50.2	-34.7	-2.4	-25.1	-65.7	-32.1
	AS.LONG	-53.7	-55.4	-35.0	-50.6	-73.0	-56.3	-17.9	-42.9	-91.7
450.00	AS. LAT	-34.4	-18.4	-31.3	-50.3	-34.5	-2.4	-25.7	-66.0	-31.7
	AS.LONG	-54.8	-56.2	-36.0	-52.1	-74.1	-57.1	-18.8	-45.6	-92.7
750.00	AS. LAT	-34.5	-18.5	-31.7	-50.4	-34.2	-2.5	-26.4	-66.3	-31.0
	AS.LONG	-56.2	-57.4	-37.4	-54.2	-75.6	-58.2	-20.0	-49.3	-94.1

CALGARY,CANADA

GEOGRAPHIC LATITUDE = 51.08 GEOGRAPHIC LONGITUDE =-114.09

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X F	X F	X F	X R	X F	X R	X R	X F	X F
	AS.LONG	X F	X F	X F	X R	X F	X R	X R	X F	X F
1.50	AS. LAT	-8.2	-10.2	-5.0	-9.4	-12.2	-10.2	-3.3	-10.6	-15.5
	AS.LONG	4.9	1.7	7.4	3.5	1.1	5.9	11.9	2.2	-4.4
2.50	AS. LAT	-30.9	-32.4	-32.8	-30.9	-29.2	-30.8	-32.2	-30.6	-29.3
	AS.LONG	-57.0	-54.7	-52.2	-58.2	-60.8	-58.3	-51.4	-59.7	-62.0
3.50	AS. LAT	-22.2	-24.3	-25.8	-21.9	-19.0	-24.7	-27.0	-21.3	-18.0
	AS.LONG	-74.7	-72.9	-72.2	-76.7	-76.9	-74.9	-71.8	-78.8	-77.6
4.50	AS. LAT	-13.8	-11.7	-13.8	-14.0	-13.2	-8.4	-14.7	-14.3	-11.1
	AS.LONG	-84.2	-84.4	-82.6	-84.0	-85.8	-81.7	-79.1	-83.7	-88.5
5.50	AS. LAT	-10.0	-12.4	-13.7	-8.0	-6.4	-12.4	-14.6	-6.0	-4.9
	AS.LONG	-85.7	-84.6	-85.7	-88.2	-85.9	-86.7	-86.7	-90.7	-86.0
6.50	AS. LAT	-2.6	-3.4	-8.5	-3.8	2.6	-7.9	-14.8	-5.0	7.0
	AS.LONG	-87.4	-83.8	-85.2	-90.7	-89.3	-81.7	-84.5	-94.0	-89.6
7.50	AS. LAT	2.6	4.9	-1.1	-0.2	6.2	3.9	-7.1	-3.2	10.8
	AS.LONG	-90.4	-87.2	-86.9	-92.2	-93.5	-82.2	-83.6	-94.0	-95.7
8.50	AS. LAT	5.0	8.1	3.7	2.9	6.7	11.1	0.7	0.6	9.7
	AS.LONG	-93.0	-91.7	-90.0	-93.3	-95.6	-87.4	-86.0	-93.6	-98.6
9.50	AS. LAT	6.0	7.9	5.8	5.8	6.8	12.3	5.4	5.3	8.5
	AS.LONG	-94.4	-94.5	-93.0	-94.1	-95.7	-92.7	-90.1	-93.8	-98.1
11.00	AS. LAT	7.1	6.2	6.1	9.5	8.5	8.8	6.7	11.7	9.5
	AS.LONG	-94.8	-95.2	-95.8	-95.2	-94.0	-96.1	-95.6	-95.6	-94.7
13.00	AS. LAT	9.2	5.5	5.5	13.5	12.9	4.3	3.8	17.6	15.0
	AS.LONG	-93.8	-92.7	-96.7	-96.5	-91.2	-94.0	-99.1	-99.3	-89.6
15.00	AS. LAT	12.2	7.2	5.5	16.7	18.4	3.1	0.5	20.7	22.2
	AS.LONG	-92.5	-89.2	-95.9	-97.8	-89.1	-89.1	-99.2	-103.3	-85.9
17.00	AS. LAT	15.4	10.3	6.3	19.2	23.7	4.6	-1.5	22.3	29.4
	AS.LONG	-91.5	-85.9	-94.5	-99.0	-88.1	-83.9	-97.8	-106.8	-84.0
19.00	AS. LAT	18.5	13.8	7.7	21.3	28.4	7.4	-2.3	22.8	35.8
	AS.LONG	-90.7	-83.2	-93.1	-100.1	-87.9	-79.2	-95.9	-109.6	-83.5
25.00	AS. LAT	26.4	24.0	12.8	25.4	38.9	17.9	-0.8	22.6	49.8
	AS.LONG	-90.2	-78.2	-89.9	-103.0	-90.2	-69.2	-90.3	-114.9	-87.7
35.00	AS. LAT	34.5	36.0	20.1	29.0	48.0	32.2	4.9	21.4	60.5
	AS.LONG	-91.9	-75.7	-87.4	-106.4	-97.5	-60.9	-84.4	-118.5	-103.6
45.00	AS. LAT	39.1	43.4	25.0	30.8	52.0	41.6	9.9	20.6	63.3
	AS.LONG	-94.2	-75.9	-86.6	-108.7	-104.7	-57.0	-81.3	-119.9	-119.7
55.00	AS. LAT	41.9	48.2	28.5	31.9	53.8	48.1	13.7	20.2	63.2
	AS.LONG	-96.4	-77.1	-86.5	-110.4	-110.5	-55.0	-79.5	-120.7	-131.4
65.00	AS. LAT	43.8	51.5	30.9	32.6	54.6	52.7	16.5	20.0	62.3
	AS.LONG	-98.2	-78.6	-86.7	-111.6	-114.9	-54.0	-78.4	-121.1	-139.1
75.00	AS. LAT	45.1	53.8	32.7	33.1	55.0	56.1	18.8	19.8	61.2
	AS.LONG	-99.8	-80.1	-86.9	-112.5	-118.3	-53.4	-77.6	-121.4	-144.2
85.00	AS. LAT	46.0	55.6	34.1	33.4	55.1	58.8	20.5	19.7	60.1
	AS.LONG	-101.1	-81.5	-87.1	-113.2	-121.0	-53.2	-77.1	-121.5	-147.8
95.00	AS. LAT	46.7	57.0	35.2	33.7	55.2	60.9	21.9	19.7	59.2
	AS.LONG	-102.2	-82.8	-87.4	-113.8	-123.1	-53.2	-76.8	-121.7	-150.3
150.00	AS. LAT	48.6	61.0	38.7	34.4	54.8	67.6	26.5	19.6	55.6
	AS.LONG	-106.0	-88.3	-88.6	-115.7	-129.7	-54.3	-75.9	-122.1	-157.0
250.00	AS. LAT	49.8	63.4	41.1	34.9	54.1	72.2	29.8	19.6	52.9
	AS.LONG	-109.1	-93.5	-89.7	-117.1	-134.0	-57.0	-75.6	-122.3	-160.5
350.00	AS. LAT	50.2	64.3	42.1	35.1	53.7	74.1	31.2	19.6	51.6
	AS.LONG	-110.4	-96.1	-90.3	-117.7	-135.8	-58.9	-75.5	-122.4	-161.8
450.00	AS. LAT	50.4	64.7	42.6	35.2	53.5	75.2	32.0	19.6	50.9
	AS.LONG	-111.2	-97.6	-90.7	-118.0	-136.7	-60.3	-75.5	-122.4	-162.4
750.00	AS. LAT	50.7	65.3	43.4	35.3	53.1	76.6	33.1	19.7	49.9
	AS.LONG	-112.3	-99.9	-91.2	-118.5	-138.1	-62.8	-75.5	-122.5	-163.3

CAMBRIDGE,U.S.A.

GEOGRAPHIC LATITUDE = 41.38 GEOGRAPHIC LONGITUDE = -71.12

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X F	X R	X R	X R	X R	X F	X R	X R	X F
	AS.LONG	X F	X R	X R	X R	X R	X F	X R	X R	X F
1.50	AS. LAT	X F	X F	X R	X F	X R	X R	X F	X F	-14.0
	AS.LONG	X F	X F	X R	X F	X R	X R	X F	X F	1375.8
2.50	AS. LAT	-6.9	-6.3	-2.9	-6.1	-10.3	0.0	4.8	-5.3	-12.9
	AS.LONG	49.8	54.1	57.1	50.4	43.8	60.7	67.4	51.1	42.0
3.50	AS. LAT	-19.8	-20.4	-20.1	-20.6	-19.3	-21.5	-19.6	-21.3	-19.4
	AS.LONG	15.2	19.9	21.9	14.0	10.1	25.8	29.6	13.3	8.6
4.50	AS. LAT	-20.6	-19.8	-20.0	-19.7	-20.9	-15.4	-18.5	-18.8	-20.4
	AS.LONG	0.0	-0.8	1.3	-1.7	-2.1	-3.5	1.9	-3.5	-6.5
5.50	AS. LAT	-15.6	-18.3	-19.1	-14.8	-12.7	-21.1	-21.7	-14.4	-12.3
	AS.LONG	-8.3	-3.7	-4.2	-12.6	-11.2	-2.4	-1.2	-16.4	-11.8
6.50	AS. LAT	-8.9	-8.2	-12.6	-11.3	-5.2	-12.4	-17.3	-13.8	-1.2
	AS.LONG	-17.1	-12.8	-11.8	-19.4	-21.3	-6.3	-5.9	-21.3	-23.3
7.50	AS. LAT	-6.2	-2.9	-7.5	-9.1	-4.3	-1.5	-9.8	-11.7	-0.2
	AS.LONG	-22.9	-21.1	-18.7	-23.3	-27.1	-15.5	-13.4	-23.6	-31.1
8.50	AS. LAT	-5.7	-2.8	-5.5	-6.9	-5.2	2.0	-5.1	-7.8	-2.8
	AS.LONG	-25.8	-25.8	-23.5	-25.7	-28.7	-23.6	-20.3	-25.8	-33.0
9.50	AS. LAT	-5.4	-4.4	-5.1	-4.4	-5.2	0.3	-3.8	-3.3	-4.3
	AS.LONG	-26.9	-27.3	-26.2	-27.5	-28.4	-27.8	-25.1	-28.3	-31.8
11.00	AS. LAT	-3.8	-6.0	-5.1	-0.3	-2.6	-4.5	-5.0	2.8	-2.2
	AS.LONG	-27.1	-26.2	-27.8	-29.7	-27.2	-27.9	-28.8	-32.4	-28.7
13.00	AS. LAT	0.0	-4.8	-4.3	4.7	3.8	-7.8	-7.5	8.5	5.2
	AS.LONG	-27.0	-23.4	-27.9	-32.4	-26.3	-23.3	-29.6	-38.0	-26.0
15.00	AS. LAT	4.7	-0.9	-2.4	8.9	10.9	-6.8	-8.6	11.9	14.4
	AS.LONG	-27.3	-21.2	-27.6	-35.0	-26.6	-18.4	-28.4	-42.9	-25.4
17.00	AS. LAT	9.4	3.9	0.1	12.4	17.5	-3.3	-8.5	13.7	22.9
	AS.LONG	-28.0	-19.8	-27.4	-37.5	-27.8	-14.8	-27.0	-47.1	-26.3
19.00	AS. LAT	13.6	8.9	2.8	15.0	23.2	1.2	-7.5	14.6	30.2
	AS.LONG	-29.0	-19.2	-27.3	-39.9	-29.7	-12.2	-25.7	-50.4	-28.4
25.00	AS. LAT	23.0	21.8	10.3	20.0	34.7	15.6	-2.6	14.9	44.8
	AS.LONG	-32.9	-19.6	-28.1	-45.7	-37.0	-8.2	-23.5	-57.0	-39.0
35.00	AS. LAT	31.4	35.3	18.8	23.5	43.0	33.1	5.2	13.8	53.4
	AS.LONG	-39.4	-23.5	-30.5	-52.2	-49.4	-6.9	-22.5	-62.3	-60.1
45.00	AS. LAT	35.5	42.8	23.9	24.9	45.6	43.9	10.8	12.9	54.1
	AS.LONG	-44.7	-28.3	-32.8	-56.3	-58.8	-8.2	-22.8	-64.8	-75.6
55.00	AS. LAT	37.7	47.2	27.1	25.5	46.3	51.0	14.8	12.2	52.6
	AS.LONG	-48.7	-32.8	-34.8	-59.0	-65.4	-10.4	-23.3	-66.2	-85.2
65.00	AS. LAT	39.0	50.0	29.3	25.7	46.3	55.8	17.6	11.7	50.8
	AS.LONG	-51.7	-36.7	-36.5	-60.8	-70.1	-13.0	-23.9	-67.1	-91.1
75.00	AS. LAT	39.8	51.9	30.8	25.9	46.0	59.3	19.8	11.4	49.2
	AS.LONG	-54.1	-40.1	-37.9	-62.2	-73.4	-15.7	-24.4	-67.8	-95.0
85.00	AS. LAT	40.3	53.2	32.0	25.9	45.7	61.8	21.4	11.1	47.8
	AS.LONG	-56.0	-43.0	-39.0	-63.3	-76.0	-18.4	-24.9	-68.2	-97.7
95.00	AS. LAT	40.6	54.1	32.9	25.9	45.3	63.8	22.7	10.9	46.6
	AS.LONG	-57.5	-45.4	-39.9	-64.2	-77.9	-21.0	-25.4	-68.6	-99.6
150.00	AS. LAT	41.4	56.3	35.5	25.9	43.7	69.2	26.9	10.3	42.4
	AS.LONG	-62.4	-54.0	-43.3	-66.8	-83.6	-33.0	-27.1	-69.6	-104.8
250.00	AS. LAT	41.5	57.2	37.2	25.7	42.2	71.9	29.7	9.9	39.3
	AS.LONG	-65.9	-60.6	-45.8	-68.6	-87.3	-45.5	-28.6	-70.3	-107.7
350.00	AS. LAT	41.5	57.3	37.8	25.6	41.5	72.7	30.9	9.7	37.9
	AS.LONG	-67.4	-63.5	-47.0	-69.3	-88.7	-52.1	-29.3	-70.6	-108.7
450.00	AS. LAT	41.5	57.4	38.2	25.6	41.1	73.0	31.6	9.6	37.1
	AS.LONG	-68.2	-65.1	-47.7	-69.7	-89.5	-56.0	-29.7	-70.8	-109.3
750.00	AS. LAT	41.5	57.4	38.6	25.5	40.5	73.3	32.5	9.5	35.9
	AS.LONG	-69.3	-67.4	-48.7	-70.3	-90.5	-61.6	-30.4	-71.0	-110.0

CAPE SCHMIDT, U.S.S.R.

GEOGRAPHIC LATITUDE = 68.87 GEOGRAPHIC LONGITUDE =-179.49

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-26.1	-26.2	-24.7	-26.6	-26.9	-25.1	-24.3	-27.0	-28.6
	AS.LONG	-84.6	-86.9	-82.3	-86.7	-88.2	-84.5	-78.2	-87.3	-93.3
1.50	AS. LAT	-21.1	-19.4	-21.1	-20.4	-20.0	-23.4	-22.3	-20.6	-16.1
	AS.LONG	-137.1	-137.4	-135.9	-137.6	-139.0	-133.9	-133.2	-137.8	-141.3
2.50	AS. LAT	-3.5	-5.9	-6.2	-2.0	-1.8	-2.5	-6.6	-0.4	-2.5
	AS.LONG	-151.4	-151.1	-151.0	-153.1	-151.8	-152.6	-151.5	-154.3	-153.4
3.50	AS. LAT	6.2	3.4	3.0	8.2	8.6	4.3	1.7	10.1	8.1
	AS.LONG	-155.3	-154.8	-155.6	-157.4	-155.2	-157.0	-156.6	-159.0	-156.0
4.50	AS. LAT	14.0	15.8	13.2	13.5	15.6	16.8	11.3	12.8	19.8
	AS.LONG	-159.2	-158.2	-157.6	-159.3	-160.9	-153.6	-154.9	-159.6	-162.6
5.50	AS. LAT	16.6	13.6	13.7	19.8	18.9	14.3	12.8	22.6	19.2
	AS.LONG	-158.3	-158.2	-159.7	-160.1	-157.3	-160.3	-161.1	-161.5	-158.0
6.50	AS. LAT	22.8	20.0	16.9	23.6	27.9	14.5	11.2	24.5	30.8
	AS.LONG	-157.6	-153.9	-157.5	-162.0	-157.3	-153.4	-158.6	-166.1	-155.2
7.50	AS. LAT	27.4	27.9	22.5	25.6	32.2	24.3	16.2	24.0	37.5
	AS.LONG	-159.5	-154.7	-157.0	-163.0	-161.5	-149.4	-155.3	-166.5	-161.2
8.50	AS. LAT	29.3	31.5	26.7	27.4	32.3	32.4	22.8	25.4	37.1
	AS.LONG	-161.6	-158.7	-158.5	-162.9	-164.4	-152.2	-155.2	-164.6	-166.8
9.50	AS. LAT	29.8	31.6	28.8	29.3	31.4	35.0	27.4	28.6	34.6
	AS.LONG	-162.7	-162.0	-160.8	-162.5	-164.7	-158.1	-157.8	-162.7	-167.8
11.00	AS. LAT	30.2	29.4	29.5	32.6	31.4	32.1	29.5	34.4	32.9
	AS.LONG	-162.5	-163.4	-163.3	-161.9	-162.1	-163.6	-162.9	-161.4	-164.0
13.00	AS. LAT	31.7	27.5	28.9	36.7	34.2	26.4	27.4	41.2	35.3
	AS.LONG	-160.5	-160.8	-164.2	-161.7	-157.3	-162.9	-167.1	-162.9	-156.2
15.00	AS. LAT	34.0	27.8	28.6	40.3	38.5	23.3	24.4	45.8	40.6
	AS.LONG	-158.3	-156.6	-163.4	-162.3	-152.9	-158.2	-167.9	-166.8	-148.9
17.00	AS. LAT	36.7	29.5	28.9	43.0	43.2	22.8	22.0	48.4	46.6
	AS.LONG	-156.3	-152.4	-162.0	-163.3	-149.7	-152.6	-167.0	-171.5	-143.0
19.00	AS. LAT	39.4	31.9	29.7	45.2	47.6	23.9	20.5	49.5	52.3
	AS.LONG	-154.8	-148.6	-160.4	-164.6	-147.4	-147.1	-165.4	-175.9	-138.3
25.00	AS. LAT	46.3	39.7	33.1	49.2	58.0	30.5	19.9	49.2	66.4
	AS.LONG	-152.5	-140.1	-156.5	-168.7	-145.2	-133.7	-160.0	-185.4	-130.1
35.00	AS. LAT	53.6	49.7	38.5	51.9	68.0	40.9	22.9	46.4	80.5
	AS.LONG	-152.5	-132.3	-152.7	-174.1	-150.5	-119.4	-153.3	-191.9	-133.4
45.00	AS. LAT	57.9	56.1	42.3	53.0	72.7	48.0	26.2	44.3	86.3
	AS.LONG	-154.2	-128.4	-150.8	-177.6	-160.8	-110.3	-149.3	-194.1	-192.1
55.00	AS. LAT	60.5	60.5	45.0	53.4	74.9	52.8	28.8	43.0	83.5
	AS.LONG	-156.3	-126.3	-149.9	-180.0	-171.9	-103.9	-146.7	-195.0	-246.9
65.00	AS. LAT	62.2	63.6	47.0	53.6	75.7	56.3	30.9	42.0	80.2
	AS.LONG	-158.2	-125.1	-149.3	-181.7	-181.6	-99.1	-144.9	-195.4	-257.0
75.00	AS. LAT	63.4	65.9	48.5	53.8	75.9	58.8	32.6	41.4	77.6
	AS.LONG	-160.0	-124.5	-149.1	-182.9	-189.3	-95.3	-143.6	-195.7	-259.8
85.00	AS. LAT	64.3	67.6	49.7	53.8	75.8	60.8	33.9	40.9	75.5
	AS.LONG	-161.6	-124.1	-148.9	-183.8	-195.3	-92.2	-142.6	-195.8	-260.8
95.00	AS. LAT	65.0	69.0	50.6	53.9	75.5	62.4	35.0	40.5	73.9
	AS.LONG	-163.0	-124.0	-148.8	-184.5	-199.8	-89.5	-141.8	-195.9	-261.2
150.00	AS. LAT	66.8	73.4	53.6	53.9	74.0	67.2	38.6	39.5	68.9
	AS.LONG	-168.1	-124.5	-148.9	-186.8	-212.2	-80.1	-139.5	-195.9	-260.8
250.00	AS. LAT	67.8	76.4	55.7	53.8	72.5	70.4	41.2	38.8	65.5
	AS.LONG	-172.3	-126.3	-149.3	-188.3	-218.7	-72.1	-138.1	-195.8	-259.8
350.00	AS. LAT	68.1	77.7	56.6	53.8	71.7	71.7	42.4	38.6	64.0
	AS.LONG	-174.2	-127.7	-149.5	-189.0	-221.1	-68.1	-137.4	-195.8	-259.2
450.00	AS. LAT	68.3	78.4	57.0	53.8	71.3	72.4	43.0	38.5	63.2
	AS.LONG	-175.3	-128.7	-149.7	-189.3	-222.2	-65.7	-137.1	-195.8	-258.9
750.00	AS. LAT	68.5	79.4	57.7	53.7	70.6	73.4	43.9	38.3	62.1
	AS.LONG	-176.9	-130.5	-150.0	-189.8	-223.7	-62.1	-136.7	-195.7	-258.4

CHACALTAYA,BOLIVIA

GEOGRAPHIC LATITUDE = -16.31 GEOGRAPHIC LONGITUDE = -68.15

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
11.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	11.5
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	119.5
13.00	AS. LAT	X R	X R	X R	X R	15.3	X R	X R	X R	9.0
	AS.LONG	X R	X R	X R	X R	75.6	X R	X R	X R	40.4
15.00	AS. LAT	15.2	9.6	X R	20.9	7.7	3.6	X R	27.0	0.2
	AS.LONG	73.1	85.3	X R	74.8	35.9	128.8	X R	93.1	14.2
17.00	AS. LAT	9.6	9.0	15.7	11.4	1.2	5.1	X R	18.5	-5.4
	AS.LONG	41.8	48.4	89.3	43.4	16.4	66.0	X R	51.8	-1.6
19.00	AS. LAT	4.4	7.5	13.3	2.8	-3.1	7.7	5.2	6.5	-9.1
	AS.LONG	24.9	29.1	56.9	27.5	3.6	41.6	138.5	35.1	-12.9
25.00	AS. LAT	-4.5	4.3	2.9	-11.9	-10.3	11.7	12.0	-15.1	-14.6
	AS.LONG	-1.5	-0.4	19.7	3.0	-19.2	7.2	49.1	12.4	-34.6
35.00	AS. LAT	-10.4	2.0	-4.9	-21.9	-14.4	13.9	2.2	-30.5	-17.2
	AS.LONG	-21.7	-21.9	-3.4	-16.6	-38.3	-16.9	17.4	-6.0	-53.6
45.00	AS. LAT	-12.8	1.1	-8.4	-26.1	-15.8	14.7	-2.4	-37.2	-17.7
	AS.LONG	-32.2	-32.7	-14.8	-27.6	-48.7	-29.0	4.0	-17.4	-64.1
55.00	AS. LAT	-14.0	0.6	-10.3	-28.2	-16.4	15.0	-5.1	-40.8	-17.6
	AS.LONG	-38.8	-39.4	-21.7	-34.7	-55.2	-36.4	-3.6	-25.3	-70.7
65.00	AS. LAT	-14.7	0.3	-11.4	-29.4	-16.6	15.2	-6.7	-43.0	-17.4
	AS.LONG	-43.4	-43.9	-26.4	-39.7	-59.8	-41.5	-8.7	-31.1	-75.4
75.00	AS. LAT	-15.1	0.1	-12.2	-30.2	-16.7	15.4	-7.9	-44.3	-17.2
	AS.LONG	-46.7	-47.2	-29.8	-43.4	-63.1	-45.1	-12.4	-35.6	-78.8
85.00	AS. LAT	-15.4	0.0	-12.7	-30.7	-16.8	15.4	-8.7	-45.2	-17.0
	AS.LONG	-49.2	-49.7	-32.4	-46.2	-65.6	-47.9	-15.2	-39.1	-81.4
95.00	AS. LAT	-15.6	0.0	-13.1	-31.0	-16.8	15.5	-9.3	-45.9	-16.8
	AS.LONG	-51.2	-51.7	-34.4	-48.5	-67.6	-50.0	-17.3	-42.0	-83.4
150.00	AS. LAT	-16.0	-0.1	-14.2	-31.8	-16.6	15.6	-11.0	-47.4	-15.9
	AS.LONG	-57.4	-57.8	-40.7	-55.6	-73.9	-56.8	-23.9	-51.2	-89.9
250.00	AS. LAT	-16.2	-0.2	-14.8	-32.2	-16.3	15.6	-12.1	-48.0	-15.2
	AS.LONG	-61.7	-61.9	-45.0	-60.5	-78.2	-61.4	-28.4	-57.7	-94.4
350.00	AS. LAT	-16.2	-0.2	-15.0	-32.2	-16.2	15.7	-12.5	-48.2	-14.9
	AS.LONG	-63.5	-63.7	-46.9	-62.6	-80.1	-63.4	-30.3	-60.6	-96.3
450.00	AS. LAT	-16.3	-0.2	-15.1	-32.3	-16.1	15.7	-12.8	-48.2	-14.7
	AS.LONG	-64.5	-64.7	-47.9	-63.8	-81.1	-64.5	-31.4	-62.2	-97.4
750.00	AS. LAT	-16.3	-0.3	-15.3	-32.3	-16.0	15.7	-13.1	-48.3	-14.4
	AS.LONG	-66.0	-66.1	-49.3	-65.5	-82.6	-66.0	-32.9	-64.4	-98.9

CHICAGO, U.S.A.

GEOGRAPHIC LATITUDE = 41.83 GEOGRAPHIC LONGITUDE = -87.67

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X F	X F	X R	X F	X R	X R	X F	X R	X R
	AS.LONG	X F	X F	X R	X F	X R	X R	X I	X R	X R
1.50	AS. LAT	X F	X R	X F	X R	X F	X F	X R	X F	X F
	AS.LONG	X F	X R	X F	X R	X F	X F	X R	X F	X F
2.50	AS. LAT	-10.2	-8.8	-4.1	-8.9	-14.4	-4.4	6.2	-7.3	-17.2
	AS.LONG	29.9	34.3	38.3	30.5	23.5	35.5	47.4	31.4	21.2
3.50	AS. LAT	-25.9	-26.7	-26.1	-26.3	-25.3	-27.5	-24.9	-26.8	-25.2
	AS.LONG	-6.9	-2.7	0.5	-7.9	-12.7	0.2	7.3	-8.5	-14.9
4.50	AS. LAT	-25.6	-24.2	-24.9	-25.0	-25.6	-19.8	-23.4	-24.3	-25.0
	AS.LONG	-25.3	-27.0	-23.8	-26.0	-27.7	-28.6	-22.0	-26.9	-31.9
5.50	AS. LAT	-21.0	-23.5	-24.8	-20.1	-17.7	-25.4	-26.9	-19.5	-16.7
	AS.LONG	-32.9	-29.6	-29.2	-36.6	-35.8	-30.1	-27.1	-40.0	-36.8
6.50	AS. LAT	-13.5	-13.2	-18.0	-15.9	-9.4	-17.5	-23.5	-18.3	-5.2
	AS.LONG	-41.0	-37.0	-35.8	-43.2	-45.1	-31.9	-30.2	-45.1	-47.1
7.50	AS. LAT	-9.6	-6.3	-11.6	-12.7	-7.3	-5.6	-15.2	-15.7	-3.2
	AS.LONG	-47.0	-45.0	-42.5	-47.4	-51.0	-39.6	-36.9	-47.5	-54.6
8.50	AS. LAT	-8.4	-5.1	-8.5	-10.0	-7.6	-0.5	-9.1	-11.4	-5.2
	AS.LONG	-50.4	-50.3	-47.7	-50.0	-53.2	-47.6	-43.7	-49.7	-57.0
9.50	AS. LAT	-7.8	-6.3	-7.7	-7.3	-7.3	-1.3	-6.8	-6.7	-6.2
	AS.LONG	-51.9	-52.6	-51.0	-51.9	-53.3	-52.6	-49.1	-52.0	-56.2
11.00	AS. LAT	-6.4	-7.9	-7.8	-3.4	-4.8	-5.7	-7.6	-0.6	-4.0
	AS.LONG	-52.3	-52.2	-53.2	-54.0	-52.1	-54.1	-53.9	-55.8	-53.2
13.00	AS. LAT	-2.9	-7.1	-7.5	1.2	1.2	-9.2	-10.5	5.0	3.3
	AS.LONG	-52.0	-49.4	-53.5	-56.3	-50.7	-50.3	-55.5	-60.8	-50.0
15.00	AS. LAT	1.3	-3.6	-6.1	5.2	8.0	-8.6	-12.3	8.2	12.0
	AS.LONG	-51.6	-46.7	-52.9	-58.4	-50.3	-45.2	-54.6	-65.2	-48.6
17.00	AS. LAT	5.7	0.9	-3.8	8.5	14.3	-5.4	-12.7	10.0	20.2
	AS.LONG	-51.7	-44.7	-52.1	-60.3	-50.8	-40.8	-53.0	-68.8	-48.8
19.00	AS. LAT	9.7	5.6	-1.3	11.1	19.7	-1.1	-12.1	11.0	27.3
	AS.LONG	-52.1	-43.3	-51.6	-62.1	-52.0	-37.5	-51.4	-71.8	-50.2
25.00	AS. LAT	19.1	18.1	6.0	16.4	31.2	12.5	-7.5	11.7	41.8
	AS.LONG	-54.5	-42.1	-50.9	-66.6	-57.5	-31.6	-47.8	-77.5	-58.6
35.00	AS. LAT	28.0	31.6	14.8	20.6	40.2	29.5	0.5	11.4	51.4
	AS.LONG	-59.2	-44.1	-51.7	-71.9	-67.7	-28.6	-45.2	-82.2	-76.4
45.00	AS. LAT	32.6	39.3	20.2	22.5	43.7	40.2	6.5	11.0	53.3
	AS.LONG	-63.4	-47.5	-53.1	-75.3	-75.8	-28.7	-44.4	-84.4	-90.7
55.00	AS. LAT	35.3	44.1	23.7	23.6	45.0	47.2	10.7	10.7	52.7
	AS.LONG	-66.8	-50.9	-54.5	-77.7	-81.8	-29.9	-44.3	-85.7	-100.1
65.00	AS. LAT	36.9	47.2	26.2	24.2	45.5	52.1	13.8	10.5	51.5
	AS.LONG	-69.4	-54.0	-55.7	-79.4	-86.2	-31.6	-44.4	-86.6	-106.3
75.00	AS. LAT	38.0	49.3	28.0	24.6	45.6	55.7	16.1	10.4	50.3
	AS.LONG	-71.5	-56.7	-56.7	-80.7	-89.5	-33.4	-44.6	-87.2	-110.5
85.00	AS. LAT	38.7	50.8	29.3	24.8	45.5	58.4	17.9	10.3	49.2
	AS.LONG	-73.1	-59.1	-57.6	-81.6	-92.0	-35.3	-44.8	-87.6	-113.5
95.00	AS. LAT	39.3	51.9	30.4	25.0	45.4	60.5	19.3	10.2	48.2
	AS.LONG	-74.5	-61.1	-58.3	-82.4	-93.9	-37.1	-45.1	-87.9	-115.7
150.00	AS. LAT	40.6	55.0	33.5	25.5	44.5	66.5	23.9	10.1	44.6
	AS.LONG	-79.1	-68.6	-61.1	-84.9	-99.9	-45.7	-46.1	-89.0	-121.7
250.00	AS. LAT	41.3	56.5	35.5	25.7	43.4	70.1	27.0	10.0	41.8
	AS.LONG	-82.4	-74.6	-63.3	-86.7	-103.8	-55.3	-47.1	-89.7	-125.0
350.00	AS. LAT	41.5	56.9	36.4	25.8	42.9	71.3	28.4	9.9	40.5
	AS.LONG	-83.9	-77.4	-64.3	-87.5	-105.4	-60.6	-47.7	-90.0	-126.3
450.00	AS. LAT	41.6	57.2	36.8	25.8	42.6	71.9	29.1	9.9	39.8
	AS.LONG	-84.7	-79.0	-64.9	-87.9	-106.2	-63.8	-48.0	-90.1	-127.0
750.00	AS. LAT	41.7	57.4	37.4	25.8	42.1	72.6	30.2	9.9	38.7
	AS.LONG	-85.9	-81.2	-65.8	-88.5	-107.4	-68.8	-48.5	-90.3	-127.9

CHURCHILL,CANADA

GEOGRAPHIC LATITUDE = 58.75 GEOGRAPHIC LONGITUDE = -94.09

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-11.7	-11.2	-12.1	-12.1	-10.8	-11.5	-13.6	-11.9	-11.1
	AS.LONG	-62.3	-61.5	-61.4	-62.3	-63.1	-62.5	-61.8	-63.5	-62.1
1.50	AS. LAT	1.2	2.2	0.7	0.6	2.1	-0.5	-2.1	0.0	4.4
	AS.LONG	-69.0	-68.1	-68.0	-69.1	-69.9	-66.7	-67.5	-70.5	-69.0
2.50	AS. LAT	11.4	10.4	10.3	12.6	12.4	12.7	11.3	13.2	11.8
	AS.LONG	-71.8	-71.6	-72.7	-73.0	-71.3	-72.5	-72.8	-73.0	-72.5
3.50	AS. LAT	17.5	15.9	15.7	19.0	19.0	16.6	16.2	20.3	18.4
	AS.LONG	-73.0	-72.0	-74.2	-74.8	-71.9	-73.6	-75.4	-75.3	-72.1
4.50	AS. LAT	22.6	24.4	21.9	21.3	23.6	25.8	19.4	19.4	26.8
	AS.LONG	-74.6	-73.4	-73.0	-75.1	-76.1	-69.2	-70.6	-76.5	-77.8
5.50	AS. LAT	24.5	22.6	22.8	26.6	26.0	22.8	23.0	28.2	25.6
	AS.LONG	-74.1	-73.1	-76.1	-76.0	-72.3	-74.4	-77.6	-76.8	-72.2
6.50	AS. LAT	28.0	26.7	23.3	28.3	32.4	23.2	19.2	29.2	35.0
	AS.LONG	-73.6	-69.0	-74.0	-78.5	-72.9	-66.8	-76.0	-82.9	-70.3
7.50	AS. LAT	30.9	32.4	26.7	28.6	34.9	31.1	21.5	26.9	39.7
	AS.LONG	-74.6	-69.6	-72.2	-78.6	-76.7	-63.6	-71.3	-83.2	-76.8
8.50	AS. LAT	32.3	35.0	30.4	29.7	34.5	37.0	26.9	27.0	38.3
	AS.LONG	-75.7	-72.9	-72.8	-77.6	-78.6	-67.1	-69.8	-80.3	-81.5
9.50	AS. LAT	33.0	34.9	32.7	31.7	33.7	38.3	31.5	29.6	35.7
	AS.LONG	-76.2	-75.5	-74.6	-76.6	-78.0	-72.4	-71.7	-77.6	-81.3
11.00	AS. LAT	33.8	33.3	33.8	35.0	33.9	35.2	34.2	35.3	34.2
	AS.LONG	-76.0	-76.0	-77.4	-76.3	-75.0	-76.2	-77.2	-76.4	-76.5
13.00	AS. LAT	35.2	31.9	33.3	38.9	36.8	30.5	32.6	41.7	36.9
	AS.LONG	-74.7	-73.1	-79.1	-77.5	-70.7	-73.7	-82.6	-79.5	-68.8
15.00	AS. LAT	37.1	32.2	32.5	41.5	40.8	28.2	29.2	45.3	42.1
	AS.LONG	-73.5	-69.1	-79.0	-79.8	-67.7	-68.0	-84.1	-85.4	-62.8
17.00	AS. LAT	39.1	33.7	32.1	43.2	45.0	28.1	26.2	46.4	48.0
	AS.LONG	-72.6	-65.3	-78.1	-82.2	-66.1	-62.0	-83.3	-91.6	-59.0
19.00	AS. LAT	41.0	35.8	32.1	44.1	48.8	29.3	24.1	46.0	53.6
	AS.LONG	-72.0	-62.1	-76.8	-84.4	-65.8	-56.6	-81.6	-96.6	-57.1
25.00	AS. LAT	45.7	42.5	33.6	45.0	57.1	35.5	21.8	42.2	66.4
	AS.LONG	-72.0	-55.9	-73.3	-89.3	-69.4	-44.5	-75.3	-104.8	-60.9
35.00	AS. LAT	50.5	51.1	36.9	44.8	63.4	45.5	23.0	36.8	75.5
	AS.LONG	-74.2	-52.0	-69.8	-93.3	-81.0	-33.2	-67.7	-107.9	-91.0
45.00	AS. LAT	53.1	56.6	39.5	44.4	65.3	52.6	25.3	33.7	74.9
	AS.LONG	-76.7	-51.5	-68.2	-95.1	-91.6	-27.0	-63.3	-107.9	-121.1
55.00	AS. LAT	54.6	60.2	41.5	44.1	65.5	57.6	27.3	31.9	72.0
	AS.LONG	-78.9	-52.3	-67.4	-96.1	-99.2	-23.1	-60.5	-107.4	-135.2
65.00	AS. LAT	55.5	62.8	43.0	43.9	65.3	61.2	29.0	30.8	69.3
	AS.LONG	-80.7	-53.5	-66.9	-96.6	-104.4	-20.4	-58.6	-106.9	-141.6
75.00	AS. LAT	56.2	64.6	44.1	43.7	64.8	64.0	30.3	30.1	67.2
	AS.LONG	-82.1	-55.0	-66.7	-97.0	-108.1	-18.4	-57.3	-106.4	-144.9
85.00	AS. LAT	56.6	66.0	45.0	43.6	64.4	66.1	31.4	29.6	65.4
	AS.LONG	-83.3	-56.4	-66.6	-97.3	-110.8	-16.9	-56.3	-105.9	-146.8
95.00	AS. LAT	57.0	67.1	45.7	43.5	64.0	67.9	32.4	29.2	64.0
	AS.LONG	-84.3	-57.7	-66.6	-97.5	-112.8	-15.7	-55.6	-105.6	-147.9
150.00	AS. LAT	57.8	70.1	48.0	43.3	62.3	73.4	35.5	28.2	59.5
	AS.LONG	-87.6	-63.6	-66.7	-98.1	-118.3	-11.7	-53.4	-104.3	-150.2
250.00	AS. LAT	58.3	72.0	49.7	43.1	60.9	77.2	37.8	27.6	56.4
	AS.LONG	-90.1	-69.4	-67.0	-98.4	-121.4	-8.8	-52.0	-103.3	-150.8
350.00	AS. LAT	58.4	72.6	50.4	43.1	60.3	78.9	38.8	27.5	55.1
	AS.LONG	-91.2	-72.4	-67.3	-98.6	-122.6	-7.5	-51.5	-102.8	-150.9
450.00	AS. LAT	58.5	73.0	50.8	43.1	59.9	79.9	39.4	27.4	54.3
	AS.LONG	-91.8	-74.2	-67.4	-98.6	-123.2	-6.6	-51.2	-102.6	-150.9
750.00	AS. LAT	58.6	73.4	51.3	43.0	59.4	81.2	40.2	27.3	53.3
	AS.LONG	-92.7	-76.8	-67.7	-98.7	-124.0	-5.4	-50.9	-102.2	-150.9

CLIMAX,U.S.A.

GEOGRAPHIC LATITUDE = 39.37 GEOGRAPHIC LONGITUDE =-106.18

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X F
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X F
3.50	AS. LAT	17.6	21.7	26.1	22.3	3.8	29.7	X R	27.3	-6.3
	AS.LONG	47.4	55.0	100.1	53.2	29.4	88.4	X R	64.7	19.3
4.50	AS. LAT	-19.1	-19.5	-13.4	-20.4	-24.2	-22.5	-10.7	-21.7	-27.6
	AS.LONG	2.6	-0.8	7.0	0.6	-3.1	-9.4	9.4	-2.4	-9.2
5.50	AS. LAT	-31.0	-31.8	-28.9	-30.6	-30.4	-31.3	-22.8	-30.4	-29.7
	AS.LONG	-21.9	-16.1	-9.9	-24.9	-31.6	-13.9	-0.7	-26.7	-37.2
6.50	AS. LAT	-27.7	-27.3	-30.2	-29.8	-24.9	-31.3	-31.9	-32.0	-21.2
	AS.LONG	-42.7	-39.9	-32.4	-42.2	-50.7	-32.1	-18.7	-40.7	-56.7
7.50	AS. LAT	-24.9	-21.5	-25.8	-27.6	-23.5	-20.3	-28.0	-29.8	-20.4
	AS.LONG	-53.9	-54.0	-47.3	-52.5	-59.8	-49.5	-38.2	-50.9	-65.6
8.50	AS. LAT	-24.3	-20.9	-23.9	-25.3	-23.8	-15.5	-23.6	-25.6	-21.9
	AS.LONG	-59.8	-61.2	-55.7	-58.9	-63.9	-60.4	-50.3	-58.4	-68.8
9.50	AS. LAT	-24.0	-22.5	-23.9	-22.9	-23.1	-16.7	-22.4	-21.1	-21.8
	AS.LONG	-63.0	-64.3	-60.4	-63.3	-65.7	-66.2	-57.5	-64.1	-69.4
11.00	AS. LAT	-22.4	-24.2	-24.6	-19.0	-19.6	-21.5	-24.3	-15.3	-17.7
	AS.LONG	-65.5	-65.3	-63.9	-67.7	-67.1	-68.3	-62.6	-70.4	-69.0
13.00	AS. LAT	-18.1	-22.5	-24.1	-13.7	-12.2	-24.7	-27.6	-9.6	-8.2
	AS.LONG	-67.2	-64.6	-65.7	-71.6	-67.9	-65.7	-64.4	-76.5	-68.3
15.00	AS. LAT	-12.7	-17.8	-21.8	-8.8	-4.2	-23.1	-29.1	-5.9	1.7
	AS.LONG	-68.2	-63.6	-66.6	-74.5	-68.7	-62.3	-64.3	-81.1	-68.3
17.00	AS. LAT	-7.2	-12.1	-18.5	-4.6	2.9	-18.7	-28.8	-3.3	10.7
	AS.LONG	-69.0	-62.7	-67.0	-76.7	-69.9	-59.3	-63.9	-84.6	-69.3
19.00	AS. LAT	-2.3	-6.3	-14.9	-1.1	9.1	-13.1	-27.2	-1.5	18.2
	AS.LONG	-69.9	-62.1	-67.3	-78.7	-71.3	-56.9	-63.6	-87.4	-71.0
25.00	AS. LAT	9.1	8.3	-5.0	6.3	22.1	3.0	-20.0	1.5	33.5
	AS.LONG	-72.6	-61.8	-68.1	-83.4	-76.4	-52.5	-63.0	-93.2	-78.6
35.00	AS. LAT	20.0	23.6	6.0	12.8	32.8	21.9	-9.1	3.7	44.5
	AS.LONG	-77.4	-63.9	-69.8	-88.9	-85.4	-50.2	-62.6	-98.4	-93.4
45.00	AS. LAT	25.8	32.3	12.7	16.1	37.5	33.4	-1.6	4.8	47.9
	AS.LONG	-81.4	-67.0	-71.6	-92.6	-92.6	-50.5	-62.8	-101.3	-105.5
55.00	AS. LAT	29.3	37.6	17.1	18.0	39.8	40.9	3.4	5.4	48.5
	AS.LONG	-84.6	-70.1	-73.2	-95.2	-98.2	-51.7	-63.2	-103.1	-114.2
65.00	AS. LAT	31.4	41.2	20.1	19.2	40.9	46.1	7.0	5.8	48.3
	AS.LONG	-87.2	-72.9	-74.5	-97.1	-102.4	-53.2	-63.6	-104.4	-120.3
75.00	AS. LAT	32.9	43.7	22.2	20.0	41.6	49.9	9.8	6.1	47.7
	AS.LONG	-89.3	-75.3	-75.7	-98.6	-105.6	-54.9	-64.1	-105.3	-124.7
85.00	AS. LAT	34.0	45.5	23.9	20.5	41.9	52.8	11.9	6.3	47.0
	AS.LONG	-91.0	-77.4	-76.6	-99.7	-108.1	-56.5	-64.5	-106.1	-127.9
95.00	AS. LAT	34.8	46.9	25.1	21.0	42.0	55.0	13.6	6.5	46.4
	AS.LONG	-92.3	-79.2	-77.4	-100.7	-110.1	-58.0	-64.8	-106.6	-130.4
150.00	AS. LAT	36.9	50.7	29.0	22.1	42.1	61.6	18.8	6.9	43.8
	AS.LONG	-97.0	-86.0	-80.3	-103.7	-116.4	-65.0	-66.2	-108.4	-137.5
250.00	AS. LAT	38.1	52.8	31.4	22.8	41.6	65.7	22.4	7.2	41.5
	AS.LONG	-100.5	-91.6	-82.7	-105.8	-120.8	-72.6	-67.5	-109.7	-141.8
350.00	AS. LAT	38.5	53.6	32.5	23.0	41.3	67.2	23.9	7.4	40.4
	AS.LONG	-102.1	-94.2	-83.8	-106.8	-122.6	-76.8	-68.2	-110.2	-143.5
450.00	AS. LAT	38.7	53.9	33.0	23.2	41.1	68.0	24.8	7.4	39.8
	AS.LONG	-103.0	-95.7	-84.4	-107.3	-123.6	-79.4	-68.5	-110.5	-144.4
750.00	AS. LAT	39.0	54.4	33.8	23.3	40.8	69.0	26.0	7.5	38.9
	AS.LONG	-104.2	-97.9	-85.4	-108.0	-125.0	-83.4	-69.1	-110.9	-145.6

COLLEGE,ALASKA

GEOGRAPHIC LATITUDE = 64.85 GEOGRAPHIC LONGITUDE =-147.84

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-32.0	-31.7	-31.2	-32.0	-32.5	-31.4	-31.1	-32.1	-32.0
	AS.LONG	-74.2	-76.5	-73.0	-75.5	-76.9	-75.7	-66.7	-76.0	-82.7
1.50	AS. LAT	-21.5	-19.7	-21.4	-21.1	-20.8	-23.8	-24.1	-21.2	-17.4
	AS.LONG	-116.6	-116.8	-115.5	-116.8	-118.0	-114.0	-112.2	-116.7	-120.3
2.50	AS. LAT	-5.0	-6.8	-7.6	-3.9	-2.8	-3.0	-6.8	-2.5	-3.1
	AS.LONG	-128.1	-128.0	-128.1	-129.6	-128.3	-129.6	-128.8	-130.8	-129.1
3.50	AS. LAT	4.2	2.0	1.1	5.7	7.0	3.5	0.8	7.4	7.3
	AS.LONG	-131.3	-130.9	-132.0	-133.3	-131.0	-133.2	-133.3	-134.9	-131.1
4.50	AS. LAT	12.3	14.3	11.6	11.7	13.6	15.4	9.1	10.7	16.8
	AS.LONG	-134.6	-133.6	-133.0	-134.5	-136.0	-129.1	-130.1	-134.6	-137.7
5.50	AS. LAT	14.4	12.0	11.6	17.0	17.1	13.1	11.4	19.5	17.9
	AS.LONG	-134.0	-133.8	-135.7	-135.8	-132.7	-135.9	-137.2	-137.3	-132.5
6.50	AS. LAT	19.9	17.8	14.0	20.2	25.2	13.2	8.5	20.5	28.9
	AS.LONG	-132.8	-129.2	-132.9	-136.9	-132.6	-128.8	-134.8	-141.0	-130.9
7.50	AS. LAT	24.7	25.6	19.8	22.5	29.2	22.8	13.3	20.4	34.3
	AS.LONG	-134.0	-129.6	-131.7	-137.3	-136.1	-124.5	-130.6	-140.6	-136.6
8.50	AS. LAT	27.0	29.5	24.6	24.8	29.6	30.8	20.3	22.5	33.7
	AS.LONG	-136.0	-133.3	-133.1	-137.2	-138.5	-127.2	-129.9	-138.6	-141.0
9.50	AS. LAT	27.9	29.8	27.1	27.1	29.1	33.4	25.5	26.0	31.6
	AS.LONG	-137.2	-136.6	-135.6	-137.0	-138.7	-132.9	-132.4	-137.0	-141.3
11.00	AS. LAT	28.3	27.8	27.7	30.3	29.4	30.7	28.0	31.8	30.6
	AS.LONG	-137.4	-138.2	-138.7	-137.0	-136.4	-138.3	-138.1	-136.6	-137.3
13.00	AS. LAT	29.4	25.9	26.7	33.9	32.1	25.1	25.7	37.9	33.5
	AS.LONG	-136.0	-135.8	-140.1	-137.6	-132.1	-137.6	-143.1	-139.1	-129.9
15.00	AS. LAT	31.3	26.0	25.8	36.7	36.2	22.1	22.0	41.5	38.8
	AS.LONG	-134.0	-131.8	-139.4	-138.4	-128.3	-132.8	-144.3	-143.2	-123.4
17.00	AS. LAT	33.6	27.5	25.7	38.9	40.5	21.7	19.1	43.3	44.6
	AS.LONG	-132.2	-127.6	-137.9	-139.5	-125.5	-127.0	-143.3	-147.6	-118.4
19.00	AS. LAT	35.9	29.7	26.1	40.5	44.6	22.7	17.2	43.8	50.2
	AS.LONG	-130.7	-123.9	-136.2	-140.6	-123.8	-121.5	-141.5	-151.3	-114.8
25.00	AS. LAT	42.1	37.0	28.9	43.7	54.2	29.1	15.9	42.8	63.6
	AS.LONG	-128.3	-115.7	-131.8	-143.5	-122.6	-108.3	-135.4	-158.6	-110.6
35.00	AS. LAT	49.0	46.6	34.0	46.2	63.3	39.3	18.6	40.2	76.4
	AS.LONG	-127.7	-108.5	-127.3	-147.1	-127.8	-94.6	-127.9	-163.1	-121.3
45.00	AS. LAT	53.1	52.9	37.7	47.4	67.6	46.4	21.8	38.5	81.1
	AS.LONG	-128.8	-105.2	-125.1	-149.5	-135.8	-86.4	-123.3	-164.6	-153.7
55.00	AS. LAT	55.6	57.2	40.5	48.0	69.7	51.4	24.5	37.5	80.6
	AS.LONG	-130.3	-103.6	-123.8	-151.1	-143.7	-80.8	-120.4	-165.1	-185.5
65.00	AS. LAT	57.4	60.2	42.5	48.4	70.7	54.9	26.7	36.8	78.6
	AS.LONG	-131.7	-102.9	-123.1	-152.2	-150.4	-76.7	-118.4	-165.3	-201.4
75.00	AS. LAT	58.6	62.5	44.0	48.7	71.1	57.6	28.4	36.4	76.6
	AS.LONG	-133.0	-102.6	-122.6	-153.1	-155.8	-73.5	-117.0	-165.4	-208.9
85.00	AS. LAT	59.5	64.2	45.2	48.9	71.2	59.7	29.7	36.1	74.9
	AS.LONG	-134.2	-102.5	-122.4	-153.8	-160.0	-70.9	-115.9	-165.5	-212.9
95.00	AS. LAT	60.2	65.6	46.2	49.1	71.2	61.3	30.8	35.8	73.4
	AS.LONG	-135.2	-102.6	-122.2	-154.3	-163.4	-68.8	-115.1	-165.5	-215.2
150.00	AS. LAT	62.2	69.9	49.2	49.4	70.5	66.5	34.5	35.2	68.8
	AS.LONG	-139.0	-104.0	-121.9	-156.0	-173.6	-61.4	-112.5	-165.4	-219.5
250.00	AS. LAT	63.4	72.8	51.4	49.7	69.5	70.1	37.3	34.9	65.5
	AS.LONG	-142.2	-106.3	-122.0	-157.3	-179.9	-55.2	-110.9	-165.2	-220.8
350.00	AS. LAT	63.8	74.0	52.3	49.8	69.0	71.7	38.5	34.7	64.1
	AS.LONG	-143.7	-107.9	-122.1	-157.8	-182.3	-52.1	-110.3	-165.2	-221.0
450.00	AS. LAT	64.1	74.7	52.9	49.8	68.7	72.5	39.2	34.7	63.3
	AS.LONG	-144.6	-108.9	-122.2	-158.1	-183.6	-50.2	-109.9	-165.1	-221.1
750.00	AS. LAT	64.4	75.6	53.6	49.9	68.2	73.7	40.1	34.6	62.2
	AS.LONG	-145.8	-110.6	-122.4	-158.5	-185.3	-47.4	-109.4	-165.1	-221.2

DALLAS,U.S.A.

GEOGRAPHIC LATITUDE = 32.78 GEOGRAPHIC LONGITUDE = -96.80

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X F	X F	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X F	X F	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	-12.3	X R	-17.1	11.2	X R	15.7	31.4
	AS.LONG	X R	X R	692.8	X R	174.3	129.9	X R	489.3	95.8
5.50	AS. LAT	-1.4	3.8	20.6	0.3	-13.3	18.1	-8.7	4.9	-19.6
	AS.LONG	35.3	42.9	59.4	33.9	20.9	51.1	153.3	35.6	11.5
6.50	AS. LAT	-21.0	-21.7	-15.8	-19.9	-24.1	-21.7	-4.8	-18.3	-25.2
	AS.LONG	3.4	3.9	16.3	6.9	-7.5	14.8	33.9	11.2	-17.7
7.50	AS. LAT	-26.2	-24.6	-23.3	-27.0	-28.3	-23.2	-20.3	-27.5	-28.8
	AS.LONG	-12.1	-16.3	-4.7	-8.6	-19.6	-15.0	5.3	-6.1	-28.4
8.50	AS. LAT	-29.5	-27.5	-26.6	-29.9	-31.3	-23.0	-23.7	-29.8	-31.8
	AS.LONG	-20.2	-24.6	-15.4	-19.3	-26.0	-29.3	-10.5	-20.2	-32.9
9.50	AS. LAT	-31.4	-30.6	-29.4	-30.5	-32.1	-26.1	-26.2	-28.9	-32.2
	AS.LONG	-25.7	-27.8	-21.2	-27.6	-30.9	-34.7	-18.3	-31.0	-36.4
11.00	AS. LAT	-31.6	-33.1	-32.2	-28.7	-29.4	-31.4	-30.2	-25.6	-27.8
	AS.LONG	-32.3	-30.4	-26.5	-37.1	-37.5	-35.1	-22.8	-42.4	-41.5
13.00	AS. LAT	-27.6	-31.6	-32.7	-24.0	-21.6	-34.2	-34.2	-21.0	-17.2
	AS.LONG	-39.3	-34.1	-32.3	-45.8	-44.0	-33.4	-25.2	-52.3	-46.6
15.00	AS. LAT	-21.6	-26.3	-30.3	-18.7	-12.9	-31.7	-35.8	-17.3	-6.2
	AS.LONG	-44.2	-37.4	-37.1	-51.7	-48.4	-33.4	-27.7	-59.0	-50.3
17.00	AS. LAT	-15.5	-19.7	-26.5	-14.0	-5.0	-26.3	-35.4	-14.4	3.2
	AS.LONG	-47.7	-39.9	-40.8	-56.0	-51.9	-34.0	-30.6	-63.9	-53.6
19.00	AS. LAT	-9.9	-13.1	-22.3	-10.0	1.5	-19.9	-33.6	-12.2	11.0
	AS.LONG	-50.5	-41.7	-43.6	-59.4	-54.9	-34.5	-33.4	-67.7	-57.0
25.00	AS. LAT	2.6	2.9	-11.0	-1.5	15.1	-1.6	-25.2	-7.8	26.3
	AS.LONG	-56.7	-45.8	-49.0	-66.7	-62.9	-35.6	-39.4	-75.3	-67.3
35.00	AS. LAT	14.1	19.0	1.1	5.7	26.0	18.6	-13.1	-4.4	36.8
	AS.LONG	-64.0	-51.5	-54.4	-74.2	-73.6	-37.9	-44.1	-82.3	-82.9
45.00	AS. LAT	20.0	27.8	8.1	9.3	30.6	30.6	-5.1	-2.8	39.9
	AS.LONG	-69.3	-56.5	-58.0	-79.0	-81.5	-40.8	-46.8	-86.2	-94.3
55.00	AS. LAT	23.4	33.1	12.5	11.3	32.8	38.2	0.1	-1.9	40.6
	AS.LONG	-73.3	-60.7	-60.6	-82.2	-87.2	-43.8	-48.7	-88.7	-102.3
65.00	AS. LAT	25.6	36.5	15.5	12.6	33.9	43.3	3.8	-1.3	40.4
	AS.LONG	-76.3	-64.2	-62.7	-84.6	-91.4	-46.7	-50.2	-90.5	-107.9
75.00	AS. LAT	27.0	38.9	17.6	13.4	34.5	47.0	6.6	-0.9	39.9
	AS.LONG	-78.7	-67.1	-64.4	-86.3	-94.6	-49.3	-51.3	-91.8	-111.9
85.00	AS. LAT	28.0	40.5	19.2	14.0	34.8	49.7	8.7	-0.6	39.4
	AS.LONG	-80.6	-69.5	-65.7	-87.7	-97.1	-51.8	-52.3	-92.8	-115.0
95.00	AS. LAT	28.7	41.8	20.4	14.4	34.9	51.8	10.4	-0.4	38.9
	AS.LONG	-82.1	-71.6	-66.8	-88.8	-99.1	-54.0	-53.0	-93.6	-117.3
150.00	AS. LAT	30.7	45.2	24.1	15.6	34.9	57.7	15.5	0.1	36.6
	AS.LONG	-87.2	-78.8	-70.6	-92.4	-105.3	-63.1	-55.7	-96.1	-124.2
250.00	AS. LAT	31.7	46.9	26.4	16.2	34.5	61.1	18.9	0.5	34.5
	AS.LONG	-90.9	-84.5	-73.6	-94.9	-109.6	-71.6	-57.9	-97.8	-128.6
350.00	AS. LAT	32.1	47.5	27.3	16.4	34.2	62.2	20.3	0.6	33.5
	AS.LONG	-92.6	-87.1	-74.9	-96.0	-111.4	-75.9	-58.9	-98.6	-130.4
450.00	AS. LAT	32.3	47.8	27.8	16.5	34.0	62.8	21.1	0.7	33.0
	AS.LONG	-93.5	-88.5	-75.7	-96.6	-112.4	-78.4	-59.5	-99.0	-131.4
750.00	AS. LAT	32.5	48.2	28.5	16.7	33.7	63.5	22.2	0.8	32.1
	AS.LONG	-94.8	-90.6	-76.7	-97.5	-113.8	-82.2	-60.3	-99.6	-132.7

DEEP RIVER,CANADA

GEOGRAPHIC LATITUDE = 46.10 GEOGRAPHIC LONGITUDE = -77.50

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X F	X F	X R	X R	X F	X R
	AS.LONG	X R	X R	X R	X F	X F	X R	X [illegible]	X F	X R
1.50	AS. LAT	-6.2	-5.1	-2.6	-7.2	-8.4	-8.1	-2.3	-8.1	-10.4
	AS.LONG	45.7	45.4	48.8	43.3	43.2	44.3	48.3	41.5	37.8
2.50	AS. LAT	-22.1	-23.4	-23.6	-22.6	-21.1	-24.0	-24.5	-22.8	-22.1
	AS.LONG	-5.6	-2.2	-1.3	-7.0	-8.5	-2.9	1.6	-8.6	-8.1
3.50	AS. LAT	-15.9	-17.7	-18.9	-16.0	-13.5	-20.1	-21.4	-16.0	-13.7
	AS.LONG	-21.5	-18.4	-18.5	-24.0	-23.6	-18.4	-16.8	-26.4	-23.4
4.50	AS. LAT	-11.2	-9.6	-10.8	-10.8	-10.8	-5.4	-10.1	-10.8	-8.9
	AS.LONG	-30.8	-31.4	-30.0	-31.0	-32.3	-30.0	-28.0	-31.1	-35.8
5.50	AS. LAT	-6.4	-9.1	-10.0	-4.7	-3.5	-10.9	-12.3	-3.2	-3.4
	AS.LONG	-32.7	-30.1	-32.0	-36.2	-33.2	-31.2	-32.5	-39.5	-33.2
6.50	AS. LAT	0.4	0.2	-4.3	-1.2	4.8	-4.1	-9.9	-2.8	8.5
	AS.LONG	-36.5	-32.1	-33.4	-40.0	-38.9	-27.8	-30.8	-43.4	-39.0
7.50	AS. LAT	3.9	6.7	1.4	0.9	6.8	6.9	-2.4	-1.9	11.3
	AS.LONG	-40.5	-37.5	-36.8	-42.1	-44.0	-31.6	-32.6	-43.6	-46.5
8.50	AS. LAT	5.0	8.1	4.6	3.1	6.1	12.0	3.6	1.2	9.1
	AS.LONG	-42.9	-42.0	-40.4	-43.1	-45.7	-38.3	-36.8	-43.4	-49.3
9.50	AS. LAT	5.4	6.9	5.7	5.6	5.7	11.4	6.3	5.5	7.1
	AS.LONG	-43.8	-44.0	-43.0	-43.8	-45.1	-43.1	-41.2	-44.0	-48.3
11.00	AS. LAT	6.6	5.1	5.8	9.4	7.5	7.0	6.2	11.7	7.7
	AS.LONG	-43.5	-43.3	-44.8	-45.0	-43.0	-44.5	-45.8	-46.4	-44.3
13.00	AS. LAT	9.6	5.3	5.9	13.9	12.6	3.0	3.6	17.7	13.6
	AS.LONG	-42.5	-39.9	-44.9	-46.7	-40.5	-40.4	-47.7	-51.0	-39.6
15.00	AS. LAT	13.3	7.9	6.9	17.6	18.8	2.8	1.4	20.9	21.5
	AS.LONG	-41.8	-36.6	-44.1	-48.8	-39.4	-35.0	-46.9	-55.8	-37.1
17.00	AS. LAT	17.1	11.8	8.4	20.4	24.6	5.1	0.5	22.4	29.3
	AS.LONG	-41.6	-34.1	-43.1	-50.8	-39.6	-30.1	-45.2	-60.0	-36.6
19.00	AS. LAT	20.6	15.9	10.3	22.5	29.7	8.7	0.5	22.9	36.2
	AS.LONG	-41.8	-32.4	-42.3	-52.8	-40.6	-26.3	-43.3	-63.4	-37.5
25.00	AS. LAT	28.7	27.0	16.1	26.4	40.4	20.7	3.2	22.1	50.5
	AS.LONG	-44.1	-30.4	-41.2	-57.7	-46.5	-19.2	-38.9	-69.8	-46.4
35.00	AS. LAT	36.2	39.3	23.2	28.9	48.2	36.3	9.3	19.8	59.2
	AS.LONG	-49.0	-31.9	-41.4	-63.2	-58.2	-14.8	-35.4	-74.3	-68.5
45.00	AS. LAT	40.0	46.4	27.7	29.9	50.7	46.4	14.2	18.3	59.7
	AS.LONG	-53.4	-35.2	-42.5	-66.5	-67.5	-13.9	-33.9	-76.1	-85.7
55.00	AS. LAT	42.1	50.8	30.7	30.2	51.3	53.1	17.7	17.3	58.0
	AS.LONG	-56.9	-38.8	-43.7	-68.6	-74.2	-14.5	-33.4	-76.9	-96.1
65.00	AS. LAT	43.3	53.6	32.8	30.4	51.3	57.8	20.4	16.7	56.0
	AS.LONG	-59.6	-42.2	-44.7	-70.2	-78.8	-15.8	-33.2	-77.4	-102.2
75.00	AS. LAT	44.1	55.5	34.3	30.5	51.0	61.2	22.4	16.2	54.2
	AS.LONG	-61.7	-45.2	-45.7	-71.3	-82.2	-17.3	-33.2	-77.7	-106.1
85.00	AS. LAT	44.6	56.8	35.4	30.5	50.6	63.8	23.9	15.9	52.7
	AS.LONG	-63.4	-47.8	-46.5	-72.1	-84.7	-19.1	-33.2	-77.9	-108.8
95.00	AS. LAT	45.0	57.8	36.3	30.5	50.2	65.9	25.2	15.7	51.4
	AS.LONG	-64.8	-50.1	-47.1	-72.8	-86.6	-20.9	-33.3	-78.1	-110.6
150.00	AS. LAT	45.8	60.3	39.0	30.5	48.6	71.8	29.2	15.0	47.1
	AS.LONG	-69.3	-58.4	-49.6	-74.8	-92.3	-30.1	-33.9	-78.5	-115.4
250.00	AS. LAT	46.1	61.4	40.7	30.4	47.1	75.2	32.1	14.6	43.9
	AS.LONG	-72.6	-65.0	-51.7	-76.3	-95.7	-41.7	-34.7	-78.7	-117.8
350.00	AS. LAT	46.1	61.8	41.4	30.3	46.4	76.4	33.3	14.4	42.5
	AS.LONG	-74.0	-68.1	-52.6	-76.8	-97.1	-48.5	-35.1	-78.8	-118.6
450.00	AS. LAT	46.1	61.9	41.8	30.2	46.0	76.9	34.0	14.3	41.7
	AS.LONG	-74.7	-69.8	-53.2	-77.2	-97.8	-52.9	-35.3	-78.8	-119.1
750.00	AS. LAT	46.1	62.0	42.3	30.2	45.4	77.5	34.9	14.2	40.6
	AS.LONG	-75.8	-72.2	-54.0	-77.6	-98.8	-59.5	-35.7	-78.9	-119.6

DENVER,U.S.A.

GEOGRAPHIC LATITUDE = 39.75 GEOGRAPHIC LONGITUDE =-105.00

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X F	X R	X R	X F	X F	X R
	AS.LONG	X R	X R	X R	X F	X R	X R	X F	X F	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X F	X R	X F	X R
	AS.LONG	X R	X R	X R	X R	X R	X F	X R	X F	X R
3.50	AS. LAT	5.0	8.2	22.0	8.9	-5.8	22.3	-6.1	14.3	-13.4
	AS.LONG	32.2	37.7	55.0	34.4	19.8	49.1	146.8	38.8	11.8
4.50	AS. LAT	-23.6	-23.6	-19.2	-24.4	-27.4	-24.7	-16.6	-25.1	-30.0
	AS.LONG	-3.4	-6.7	0.5	-5.2	-8.7	-14.7	2.5	-8.2	-14.7
5.50	AS. LAT	-31.3	-32.5	-30.7	-30.8	-29.9	-32.7	-26.6	-30.8	-28.9
	AS.LONG	-25.9	-20.5	-14.8	-29.0	-34.7	-18.7	-6.3	-31.2	-39.5
6.50	AS. LAT	-26.7	-26.3	-29.7	-28.9	-23.6	-30.5	-32.4	-31.3	-19.6
	AS.LONG	-44.8	-41.8	-35.2	-44.7	-52.2	-34.5	-22.6	-43.6	-57.6
7.50	AS. LAT	-23.5	-20.0	-24.7	-26.3	-21.9	-19.0	-27.2	-28.6	-18.6
	AS.LONG	-55.2	-54.9	-48.9	-54.0	-60.8	-50.2	-40.3	-52.6	-66.3
8.50	AS. LAT	-22.6	-19.3	-22.4	-23.8	-22.0	-13.9	-22.3	-24.2	-20.1
	AS.LONG	-60.7	-61.9	-56.9	-59.9	-64.6	-60.7	-51.6	-59.3	-69.3
9.50	AS. LAT	-22.3	-20.8	-22.2	-21.3	-21.4	-15.0	-20.9	-19.6	-20.1
	AS.LONG	-63.7	-64.9	-61.4	-63.8	-66.2	-66.5	-58.5	-64.5	-69.6
11.00	AS. LAT	-20.7	-22.4	-22.9	-17.3	-18.0	-19.7	-22.6	-13.7	-16.1
	AS.LONG	-65.8	-65.8	-64.7	-67.9	-67.1	-68.5	-63.7	-70.4	-68.8
13.00	AS. LAT	-16.5	-20.8	-22.4	-12.1	-10.7	-23.0	-25.9	-8.1	-7.0
	AS.LONG	-67.1	-64.7	-66.2	-71.5	-67.5	-65.9	-65.4	-76.2	-67.7
15.00	AS. LAT	-11.2	-16.3	-20.2	-7.3	-2.9	-21.5	-27.5	-4.4	2.8
	AS.LONG	-67.9	-63.3	-66.7	-74.1	-68.1	-62.2	-65.2	-80.7	-67.5
17.00	AS. LAT	-5.9	-10.7	-17.0	-3.2	4.1	-17.2	-27.2	-1.9	11.6
	AS.LONG	-68.5	-62.2	-66.9	-76.3	-69.1	-58.9	-64.6	-84.1	-68.3
19.00	AS. LAT	-1.1	-5.1	-13.6	0.1	10.1	-11.9	-25.8	-0.2	19.1
	AS.LONG	-69.2	-61.4	-67.0	-78.1	-70.4	-56.3	-64.0	-86.9	-69.9
25.00	AS. LAT	10.1	9.2	-4.0	7.3	23.0	3.9	-18.9	2.6	34.3
	AS.LONG	-71.8	-60.8	-67.5	-82.7	-75.5	-51.5	-62.8	-92.6	-77.5
35.00	AS. LAT	20.8	24.3	6.8	13.6	33.6	22.6	-8.3	4.6	45.2
	AS.LONG	-76.5	-62.9	-69.0	-88.1	-84.4	-49.0	-62.0	-97.7	-92.4
45.00	AS. LAT	26.5	32.9	13.4	16.8	38.2	34.0	-0.9	5.5	48.5
	AS.LONG	-80.4	-65.9	-70.7	-91.7	-91.7	-49.2	-62.0	-100.5	-104.7
55.00	AS. LAT	29.9	38.2	17.7	18.6	40.4	41.5	4.0	6.0	49.1
	AS.LONG	-83.6	-68.9	-72.2	-94.3	-97.2	-50.3	-62.3	-102.3	-113.4
65.00	AS. LAT	32.0	41.8	20.6	19.7	41.5	46.6	7.6	6.4	48.8
	AS.LONG	-86.2	-71.7	-73.5	-96.1	-101.4	-51.8	-62.6	-103.5	-119.6
75.00	AS. LAT	33.5	44.2	22.8	20.5	42.1	50.4	10.3	6.6	48.1
	AS.LONG	-88.2	-74.1	-74.6	-97.6	-104.6	-53.4	-63.0	-104.4	-123.9
85.00	AS. LAT	34.5	46.0	24.4	21.1	42.4	53.3	12.4	6.8	47.4
	AS.LONG	-89.9	-76.2	-75.5	-98.7	-107.1	-55.0	-63.4	-105.1	-127.2
95.00	AS. LAT	35.3	47.4	25.6	21.5	42.5	55.5	14.1	6.9	46.8
	AS.LONG	-91.3	-78.0	-76.3	-99.6	-109.1	-56.5	-63.7	-105.6	-129.6
150.00	AS. LAT	37.4	51.2	29.4	22.6	42.5	62.1	19.3	7.4	44.1
	AS.LONG	-95.9	-84.8	-79.1	-102.6	-115.5	-63.5	-65.0	-107.3	-136.6
250.00	AS. LAT	38.5	53.2	31.9	23.2	42.0	66.1	22.8	7.6	41.8
	AS.LONG	-99.4	-90.4	-81.5	-104.7	-119.8	-71.2	-66.2	-108.5	-140.9
350.00	AS. LAT	38.9	54.0	32.9	23.4	41.7	67.6	24.4	7.8	40.7
	AS.LONG	-100.9	-93.0	-82.5	-105.6	-121.6	-75.4	-66.9	-109.0	-142.5
450.00	AS. LAT	39.1	54.4	33.4	23.5	41.4	68.4	25.2	7.8	40.1
	AS.LONG	-101.8	-94.6	-83.2	-106.1	-122.5	-78.0	-67.2	-109.3	-143.4
750.00	AS. LAT	39.4	54.8	34.2	23.7	41.1	69.4	26.4	7.9	39.1
	AS.LONG	-103.1	-96.7	-84.1	-106.8	-123.9	-82.1	-67.8	-109.7	-144.6

DUMONT DURVILLE,ANTARCTICA

GEOGRAPHIC LATITUDE = -66.67 GEOGRAPHIC LONGITUDE = 140.02

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-46.2	-45.6	-45.9	-46.7	-46.4	-46.8	-45.0	-45.5	-47.5
	AS.LONG	173.1	172.9	174.0	173.3	172.3	171.4	172.3	174.7	173.7
1.50	AS. LAT	-50.8	-51.3	-50.0	-50.3	-51.6	-50.0	-50.7	-51.5	-50.8
	AS.LONG	171.0	169.8	170.3	172.1	171.6	171.2	172.6	170.8	169.8
2.50	AS. LAT	-54.8	-54.1	-54.8	-55.5	-54.9	-52.2	-52.7	-57.3	-56.6
	AS.LONG	168.6	168.8	170.0	168.6	167.4	165.9	173.3	171.9	163.7
3.50	AS. LAT	-57.2	-57.4	-57.0	-56.9	-57.4	-55.5	-57.0	-58.8	-57.2
	AS.LONG	166.9	166.9	166.7	167.0	167.2	167.3	170.5	166.6	163.7
4.50	AS. LAT	-58.7	-56.6	-56.8	-60.8	-60.5	-55.3	-53.3	-61.4	-63.7
	AS.LONG	165.7	162.7	169.8	169.0	161.1	157.0	171.2	176.0	157.9
5.50	AS. LAT	-60.0	-60.7	-59.5	-59.3	-60.5	-59.7	-60.0	-60.3	-60.1
	AS.LONG	164.4	163.7	163.4	165.1	165.5	165.2	165.9	163.7	163.3
6.50	AS. LAT	-60.9	-61.0	-57.1	-60.3	-64.7	-62.4	-54.9	-58.4	-66.9
	AS.LONG	163.4	156.0	163.2	170.6	163.7	151.4	160.7	174.0	167.5
7.50	AS. LAT	-61.6	-59.0	-57.6	-63.8	-65.4	-57.5	-52.9	-63.5	-69.8
	AS.LONG	162.6	155.4	167.6	171.0	156.2	147.5	168.5	180.9	152.3
8.50	AS. LAT	-62.3	-58.8	-60.1	-65.7	-64.1	-55.3	-56.0	-68.3	-66.8
	AS.LONG	161.9	158.5	169.3	166.1	153.5	152.9	174.6	176.0	143.7
9.50	AS. LAT	-62.9	-60.3	-62.4	-65.5	-63.2	-56.6	-60.3	-69.1	-64.0
	AS.LONG	161.1	161.0	167.4	161.3	154.8	158.7	175.0	165.0	145.7
11.00	AS. LAT	-63.7	-63.5	-63.6	-63.9	-63.7	-61.5	-63.8	-65.7	-63.4
	AS.LONG	160.0	160.8	161.3	159.3	158.9	162.0	166.2	157.8	154.2
13.00	AS. LAT	-64.5	-66.3	-62.2	-62.5	-66.6	-67.3	-61.6	-61.4	-67.1
	AS.LONG	158.6	154.4	155.4	162.3	162.5	154.1	154.2	162.5	164.5
15.00	AS. LAT	-65.1	-66.8	-60.0	-62.6	-70.0	-68.5	-56.8	-59.8	-72.7
	AS.LONG	157.3	146.1	154.0	166.9	162.3	138.5	151.1	171.2	169.9
17.00	AS. LAT	-65.5	-65.7	-58.2	-63.6	-72.8	-65.9	-52.5	-60.0	-78.0
	AS.LONG	156.0	139.8	155.1	171.2	158.4	126.9	152.9	179.9	168.2
19.00	AS. LAT	-65.8	-64.1	-57.0	-65.0	-74.6	-62.2	-49.4	-61.2	-82.2
	AS.LONG	154.9	136.1	157.0	174.7	151.5	121.5	156.3	187.8	154.1
25.00	AS. LAT	-66.5	-59.5	-55.8	-69.7	-75.5	-52.4	-45.1	-66.3	-80.1
	AS.LONG	152.1	133.3	163.0	180.8	128.1	120.7	167.0	206.9	79.4
35.00	AS. LAT	-66.9	-55.3	-56.8	-75.4	-71.7	-43.9	-44.7	-73.4	-69.2
	AS.LONG	149.1	135.6	169.8	181.8	111.6	127.4	179.3	230.4	71.8
45.00	AS. LAT	-67.0	-53.4	-58.3	-78.7	-68.5	-40.1	-46.1	-77.7	-62.9
	AS.LONG	147.2	138.2	173.6	176.9	107.9	132.7	186.7	250.3	75.3
55.00	AS. LAT	-67.0	-52.5	-59.6	-80.6	-66.3	-38.2	-47.6	-80.1	-58.9
	AS.LONG	145.9	140.2	175.9	169.3	107.1	136.5	191.6	269.1	78.6
65.00	AS. LAT	-67.0	-52.0	-60.6	-81.7	-64.8	-37.2	-48.9	-81.3	-56.3
	AS.LONG	145.0	141.6	177.3	160.9	107.1	139.3	194.9	286.5	81.1
75.00	AS. LAT	-67.0	-51.7	-61.4	-82.2	-63.6	-36.5	-50.0	-81.9	-54.4
	AS.LONG	144.3	142.8	178.4	152.9	107.3	141.4	197.4	301.7	83.1
85.00	AS. LAT	-67.0	-51.5	-62.1	-82.5	-62.8	-36.2	-50.9	-82.0	-53.0
	AS.LONG	143.8	143.6	179.1	146.0	107.6	143.0	199.4	-45.9	84.7
95.00	AS. LAT	-67.0	-51.4	-62.6	-82.5	-62.1	-35.9	-51.7	-81.8	-51.9
	AS.LONG	143.4	144.3	179.6	140.2	108.0	144.2	200.9	-36.0	86.0
150.00	AS. LAT	-66.9	-51.2	-64.4	-82.1	-60.1	-35.5	-54.3	-80.5	-48.7
	AS.LONG	142.1	146.5	181.0	122.7	109.2	148.2	205.6	-8.6	90.1
250.00	AS. LAT	-66.8	-51.2	-65.7	-81.2	-58.8	-35.4	-56.3	-79.0	-46.7
	AS.LONG	141.3	148.0	181.7	113.1	110.4	151.0	208.9	5.9	93.0
350.00	AS. LAT	-66.7	-51.3	-66.3	-80.7	-58.3	-35.5	-57.2	-78.2	-45.9
	AS.LONG	140.9	148.6	181.9	109.7	110.9	152.2	210.3	11.3	94.3
450.00	AS. LAT	-66.7	-51.3	-66.7	-80.4	-58.0	-35.6	-57.7	-77.8	-45.4
	AS.LONG	140.7	149.0	181.9	108.1	111.2	152.9	211.0	14.0	95.0
750.00	AS. LAT	-66.7	-51.3	-67.1	-80.0	-57.6	-35.7	-58.4	-77.1	-44.8
	AS.LONG	140.4	149.5	182.0	106.0	111.6	153.8	212.1	17.6	96.0

DURHAM,U.S.A.

GEOGRAPHIC LATITUDE = 43.10 GEOGRAPHIC LONGITUDE = -70.84

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X F	X F	X F	X F	X R	X F	X R	X R	X R
	AS.LONG	X F	X F	X F	X F	X R	X F	X R	X R	X R
1.50	AS. LAT	X R	11.3	-14.5	X R	7.3	3.0	-11.3	X R	-1.6
	AS.LONG	X R	825.1	961.9	X R	230.0	260.5	252.8	X R	322.1
2.50	AS. LAT	-16.8	-16.7	-15.3	-17.0	-17.9	-14.9	-12.1	-17.1	-19.2
	AS.LONG	31.4	35.7	37.6	31.4	26.6	39.9	45.1	31.2	26.1
3.50	AS. LAT	-19.3	-20.4	-20.9	-20.0	-17.8	-22.8	-22.3	-20.7	-17.8
	AS.LONG	4.4	8.8	10.0	2.6	0.5	12.7	15.7	1.1	0.0
4.50	AS. LAT	-17.7	-16.6	-17.3	-16.8	-17.7	-12.0	-15.9	-16.0	-16.6
	AS.LONG	-8.2	-9.0	-7.2	-9.3	-10.1	-10.1	-6.2	-10.5	-14.2
5.50	AS. LAT	-12.2	-15.0	-15.9	-11.0	-9.2	-17.7	-18.8	-10.2	-9.0
	AS.LONG	-13.7	-9.8	-10.9	-17.9	-15.6	-9.4	-9.3	-21.7	-15.9
6.50	AS. LAT	-5.2	-4.9	-9.3	-7.4	-1.2	-9.3	-14.4	-9.7	2.6
	AS.LONG	-20.7	-16.2	-16.1	-23.5	-24.2	-10.4	-11.3	-26.0	-25.5
7.50	AS. LAT	-2.3	0.8	-4.0	-5.2	0.0	1.8	-6.7	-8.0	4.2
	AS.LONG	-25.9	-23.6	-21.8	-26.7	-29.8	-17.8	-16.9	-27.4	-33.3
8.50	AS. LAT	-1.7	1.2	-1.6	-3.0	-1.0	5.8	-1.6	-4.2	1.6
	AS.LONG	-28.5	-28.2	-26.1	-28.5	-31.4	-25.4	-22.8	-28.6	-35.5
9.50	AS. LAT	-1.4	-0.3	-1.0	-0.5	-1.1	4.3	0.0	0.2	-0.1
	AS.LONG	-29.4	-29.7	-28.7	-29.8	-30.9	-29.8	-27.5	-30.4	-34.2
11.00	AS. LAT	0.0	-2.0	-1.0	3.3	1.1	-0.4	-0.9	6.4	1.4
	AS.LONG	-29.3	-28.6	-30.3	-31.6	-29.2	-30.2	-31.4	-34.0	-30.8
13.00	AS. LAT	3.7	-1.0	-0.4	8.3	7.1	-4.0	-3.4	12.2	8.4
	AS.LONG	-28.8	-25.5	-30.3	-34.0	-27.7	-25.6	-32.3	-39.2	-27.3
15.00	AS. LAT	8.1	2.4	1.2	12.4	14.0	-3.4	-4.8	15.6	17.2
	AS.LONG	-28.8	-23.0	-29.7	-36.4	-27.6	-20.6	-31.2	-44.1	-26.1
17.00	AS. LAT	12.5	7.0	3.4	15.7	20.4	-0.2	-5.0	17.3	25.5
	AS.LONG	-29.2	-21.2	-29.2	-38.8	-28.5	-16.5	-29.6	-48.3	-26.5
19.00	AS. LAT	16.5	11.7	5.9	18.2	25.9	4.0	-4.3	18.0	32.8
	AS.LONG	-30.0	-20.2	-29.0	-41.0	-30.1	-13.5	-28.1	-51.7	-28.3
25.00	AS. LAT	25.5	24.1	12.9	22.8	37.2	17.7	0.0	17.9	47.3
	AS.LONG	-33.5	-19.9	-29.2	-46.7	-37.2	-8.6	-25.2	-58.3	-38.6
35.00	AS. LAT	33.7	37.3	20.9	25.9	45.3	34.7	7.2	16.3	55.9
	AS.LONG	-39.7	-23.2	-31.0	-53.0	-49.6	-6.3	-23.5	-63.4	-60.5
45.00	AS. LAT	37.6	44.6	25.8	27.1	47.8	45.4	12.6	15.1	56.2
	AS.LONG	-44.8	-27.7	-33.0	-56.9	-59.2	-7.0	-23.3	-65.7	-76.8
55.00	AS. LAT	39.7	49.0	28.9	27.5	48.4	52.3	16.4	14.3	54.6
	AS.LONG	-48.7	-32.1	-34.9	-59.4	-65.9	-8.7	-23.5	-66.9	-86.6
65.00	AS. LAT	40.9	51.8	31.0	27.7	48.3	57.1	19.2	13.8	52.6
	AS.LONG	-51.7	-36.0	-36.4	-61.2	-70.6	-11.0	-23.9	-67.7	-92.6
75.00	AS. LAT	41.7	53.6	32.5	27.8	47.9	60.6	21.3	13.3	50.9
	AS.LONG	-54.1	-39.3	-37.6	-62.5	-74.0	-13.5	-24.3	-68.2	-96.4
85.00	AS. LAT	42.1	54.9	33.7	27.8	47.5	63.2	22.9	13.0	49.4
	AS.LONG	-55.9	-42.2	-30.7	-63.5	-76.5	-16.0	-24.7	-68.6	-99.1
95.00	AS. LAT	42.5	55.8	34.6	27.8	47.1	65.1	24.2	12.8	48.2
	AS.LONG	-57.4	-44.7	-39.6	-64.3	-78.5	-18.5	-25.1	-68.9	-101.0
150.00	AS. LAT	43.1	58.0	37.2	27.7	45.4	70.7	28.2	12.1	43.8
	AS.LONG	-62.3	-53.3	-42.7	-66.8	-84.2	-30.2	-26.5	-69.7	-105.9
250.00	AS. LAT	43.3	58.9	38.8	27.5	43.9	73.5	31.1	11.6	40.6
	AS.LONG	-65.7	-60.1	-45.2	-68.5	-87.7	-43.2	-27.8	-70.3	-108.5
350.00	AS. LAT	43.3	59.1	39.4	27.4	43.1	74.3	32.2	11.5	39.2
	AS.LONG	-67.1	-63.1	-46.3	-69.2	-89.1	-50.2	-28.4	-70.5	-109.5
450.00	AS. LAT	43.3	59.1	39.8	27.3	42.7	74.7	32.9	11.4	38.4
	AS.LONG	-68.0	-64.7	-47.0	-69.6	-89.8	-54.4	-28.8	-70.6	-110.0
750.00	AS. LAT	43.2	59.2	40.2	27.2	42.1	75.0	33.8	11.2	37.2
	AS.LONG	-69.1	-67.1	-47.9	-70.1	-90.8	-60.6	-29.4	-70.8	-110.6

ELLSWORTH,ANTARCTICA

GEOGRAPHIC LATITUDE = -77.72 GEOGRAPHIC LONGITUDE = -41.12

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-6.2	-7.3	3.1	-6.9	-6.2	-8.0	-6.7	-7.7	-8.6
	AS.LONG	161.6	158.8	190.7	164.4	130.1	151.0	281.7	160.4	135.7
1.50	AS. LAT	23.4	23.1	24.9	25.7	23.5	23.6	26.2	22.4	24.1
	AS.LONG	28.4	27.4	32.5	31.9	26.6	27.5	37.6	28.3	25.1
2.50	AS. LAT	4.3	5.5	7.1	7.2	1.9	6.8	11.4	10.7	2.7
	AS.LONG	1.4	0.2	3.6	4.3	0.4	-0.2	6.2	2.6	1.2
3.50	AS. LAT	-6.6	-6.3	-2.6	-2.9	-9.5	-5.3	2.5	1.6	-9.3
	AS.LONG	-3.9	-6.4	-2.4	-1.3	-4.4	-8.2	-1.2	-3.6	-3.5
4.50	AS. LAT	-9.6	-11.0	-8.7	-11.5	-11.1	-12.9	-9.1	-16.9	-14.4
	AS.LONG	-9.3	-8.9	-9.2	-10.2	-10.4	-9.2	-8.7	-6.9	-13.1
5.50	AS. LAT	-16.2	-18.8	-11.4	-11.6	-19.4	-20.2	-6.7	-9.4	-19.6
	AS.LONG	-6.5	-9.8	-7.2	-5.6	-5.8	-13.4	-8.6	-9.2	-5.7
6.50	AS. LAT	-24.9	-23.8	-19.6	-22.9	-29.6	-21.9	-13.1	-15.5	-33.1
	AS.LONG	-8.5	-12.8	-6.9	-3.4	-9.1	-16.1	-5.7	-1.2	-7.2
7.50	AS. LAT	-28.1	-25.5	-25.0	-30.3	-31.8	-23.4	-21.1	-27.8	-37.1
	AS.LONG	-12.9	-14.8	-10.1	-8.1	-15.1	-16.0	-6.9	-0.4	-15.8
8.50	AS. LAT	-27.8	-26.5	-26.5	-31.1	-30.1	-26.0	-25.4	-34.4	-34.4
	AS.LONG	-15.4	-15.3	-13.6	-13.8	-17.4	-15.0	-10.8	-6.9	-20.1
9.50	AS. LAT	-26.9	-27.7	-26.1	-28.7	-28.5	-29.3	-26.1	-34.1	-31.3
	AS.LONG	-15.6	-14.7	-15.6	-16.3	-16.4	-14.2	-14.8	-13.8	-19.1
11.00	AS. LAT	-26.6	-30.4	-24.7	-25.1	-28.5	-34.4	-24.0	-28.4	-30.2
	AS.LONG	-13.4	-13.2	-15.9	-15.2	-12.0	-14.0	-18.2	-17.3	-13.2
13.00	AS. LAT	-28.6	-34.6	-24.2	-23.5	-32.1	-40.1	-20.5	-22.0	-33.8
	AS.LONG	-9.1	-11.4	-13.8	-9.7	-5.2	-15.5	-18.4	-13.5	-3.7
15.00	AS. LAT	-32.0	-38.7	-25.1	-24.9	-37.3	-44.1	-18.5	-19.5	-39.9
	AS.LONG	-5.0	-10.4	-10.8	-3.5	0.5	-18.1	-16.4	-6.6	4.6
17.00	AS. LAT	-35.8	-42.4	-27.0	-27.7	-42.7	-46.8	-17.9	-19.9	-46.3
	AS.LONG	-1.7	-10.1	-7.9	2.1	5.1	-21.3	-13.7	0.6	11.8
19.00	AS. LAT	-39.5	-45.5	-29.1	-31.0	-47.7	-48.5	-18.3	-21.6	-52.4
	AS.LONG	0.8	-10.4	-5.4	7.0	8.6	-24.5	-11.1	7.3	17.7
25.00	AS. LAT	-48.6	-52.0	-35.5	-40.4	-59.7	-50.6	-21.6	-29.3	-66.9
	AS.LONG	5.4	-13.0	0.0	18.0	14.5	-32.2	-4.3	23.0	31.3
35.00	AS. LAT	-58.2	-57.3	-43.3	-51.6	-71.7	-50.6	-27.7	-40.1	-81.5
	AS.LONG	7.3	-18.9	4.6	28.8	15.0	-39.5	2.5	39.8	52.6
45.00	AS. LAT	-63.7	-59.7	-48.3	-58.7	-78.4	-50.0	-32.3	-47.1	-87.3
	AS.LONG	6.1	-24.1	6.5	35.3	7.4	-43.2	6.4	50.6	-217.1
55.00	AS. LAT	-67.3	-60.9	-51.7	-63.4	-82.0	-49.4	-35.6	-51.8	-83.3
	AS.LONG	3.9	-28.1	7.5	39.7	-8.0	-45.2	8.8	58.4	-159.0
65.00	AS. LAT	-69.6	-61.6	-54.1	-66.7	-83.6	-48.9	-38.0	-55.0	-79.6
	AS.LONG	1.4	-31.2	7.8	43.1	-29.5	-46.6	10.5	64.5	-148.2
75.00	AS. LAT	-71.2	-61.9	-55.9	-69.1	-83.8	-48.6	-39.8	-57.4	-76.8
	AS.LONG	-1.1	-33.5	8.0	45.8	-50.3	-47.5	11.6	69.4	-143.3
85.00	AS. LAT	-72.4	-62.1	-57.3	-71.0	-83.3	-48.3	-41.3	-59.1	-74.7
	AS.LONG	-3.6	-35.4	8.0	48.0	-65.3	-48.1	12.5	73.4	-140.4
95.00	AS. LAT	-73.3	-62.3	-58.4	-72.5	-82.6	-48.0	-42.5	-60.5	-73.0
	AS.LONG	-5.9	-36.8	7.9	49.9	-75.1	-48.6	13.1	76.8	-138.3
150.00	AS. LAT	-75.8	-62.4	-61.8	-77.2	-79.4	-47.3	-46.3	-64.5	-67.8
	AS.LONG	-15.6	-41.5	7.2	57.3	-93.6	-50.0	15.1	88.8	-132.9
250.00	AS. LAT	-76.9	-62.3	-64.1	-80.4	-76.7	-46.8	-49.0	-66.9	-64.2
	AS.LONG	-24.7	-44.8	6.1	64.8	-99.6	-50.9	16.3	98.8	-129.7
350.00	AS. LAT	-77.3	-62.2	-65.1	-81.8	-75.5	-46.5	-50.1	-67.8	-62.7
	AS.LONG	-29.1	-46.1	5.5	69.2	-101.2	-51.2	16.8	103.5	-128.4
450.00	AS. LAT	-77.4	-62.2	-65.7	-82.5	-74.9	-46.4	-50.8	-68.3	-61.8
	AS.LONG	-31.7	-46.9	5.1	72.3	-102.0	-51.4	17.0	106.2	-127.7
750.00	AS. LAT	-77.6	-62.1	-66.5	-83.5	-73.9	-46.2	-51.7	-68.9	-60.6
	AS.LONG	-35.4	-47.9	4.5	77.5	-102.8	-51.6	17.3	110.3	-126.7

GOOSE BAY, CANADA

GEOGRAPHIC LATITUDE = 53.33 GEOGRAPHIC LONGITUDE = -60.42

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-14.9	-14.3	-13.9	-14.9	-15.6	-14.4	-13.0	-15.1	-15.7
	AS.LONG	48.3	49.6	51.2	47.0	47.6	52.2	50.8	45.5	42.3
1.50	AS. LAT	-15.3	-15.1	-15.7	-14.5	-15.4	-13.9	-14.6	-14.2	-12.6
	AS.LONG	11.6	11.1	12.4	10.0	10.3	13.2	12.4	9.4	6.1
2.50	AS. LAT	-3.1	-5.1	-5.6	-2.9	-1.6	-5.9	-7.7	-2.3	-3.4
	AS.LONG	-5.3	-3.0	-3.8	-7.6	-6.0	-4.8	-3.5	-9.5	-5.9
3.50	AS. LAT	4.2	1.9	1.0	4.8	6.4	-0.4	-1.6	5.6	5.2
	AS.LONG	-11.2	-8.6	-10.1	-14.2	-11.7	-9.7	-10.2	-16.7	-11.3
4.50	AS. LAT	8.2	9.7	8.4	8.4	8.8	13.3	8.7	8.0	11.7
	AS.LONG	-16.7	-16.7	-15.8	-16.8	-18.3	-14.1	-13.9	-17.1	-21.6
5.50	AS. LAT	12.2	9.1	8.8	14.3	14.4	7.3	6.6	16.3	13.8
	AS.LONG	-16.2	-14.0	-16.6	-19.8	-15.9	-15.3	-17.7	-22.8	-16.0
6.50	AS. LAT	18.0	17.3	13.2	16.9	22.4	12.5	7.8	16.0	25.6
	AS.LONG	-18.7	-13.5	-16.3	-23.1	-20.2	-9.5	-14.7	-27.3	-19.1
7.50	AS. LAT	20.7	23.1	17.9	17.9	24.0	22.7	14.0	15.3	28.9
	AS.LONG	-22.0	-18.1	-18.3	-24.4	-25.5	-11.4	-14.5	-26.9	-27.4
8.50	AS. LAT	21.1	24.0	20.5	19.2	22.5	27.5	19.3	17.3	26.1
	AS.LONG	-24.0	-22.5	-21.0	-24.6	-27.2	-17.8	-17.4	-25.5	-31.2
9.50	AS. LAT	21.1	22.4	21.3	21.2	21.5	26.6	21.8	20.9	23.2
	AS.LONG	-24.4	-24.3	-23.2	-24.5	-26.3	-22.9	-21.2	-24.9	-30.2
11.00	AS. LAT	21.8	20.1	21.2	24.6	22.4	21.7	21.6	26.8	22.6
	AS.LONG	-23.5	-23.3	-24.7	-24.9	-23.3	-24.4	-25.5	-26.2	-25.5
13.00	AS. LAT	24.3	19.7	21.0	29.0	26.9	17.1	18.8	32.9	27.4
	AS.LONG	-21.9	-19.4	-24.5	-26.4	-19.9	-20.1	-27.3	-30.7	-19.4
15.00	AS. LAT	27.7	21.8	21.6	32.4	32.6	16.2	16.4	36.1	34.7
	AS.LONG	-20.9	-15.6	-23.5	-28.5	-18.1	-14.2	-26.4	-36.3	-15.6
17.00	AS. LAT	31.1	25.1	22.8	34.9	38.2	17.9	15.0	37.3	42.3
	AS.LONG	-20.6	-12.6	-22.5	-30.9	-17.9	-8.9	-24.6	-41.5	-14.2
19.00	AS. LAT	34.3	28.9	24.3	36.7	43.1	20.9	14.6	37.3	49.0
	AS.LONG	-20.8	-10.4	-21.6	-33.3	-18.9	-4.5	-22.7	-45.7	-14.7
25.00	AS. LAT	41.5	39.1	29.0	39.4	53.1	31.8	16.2	34.9	63.1
	AS.LONG	-23.3	-7.4	-20.2	-39.3	-26.1	4.2	-18.0	-53.1	-25.7
35.00	AS. LAT	47.9	50.6	34.9	40.4	59.6	46.3	21.0	30.9	69.6
	AS.LONG	-29.2	-8.3	-20.2	-45.5	-41.9	11.3	-13.8	-57.3	-60.0
45.00	AS. LAT	50.9	57.2	38.8	40.3	60.7	55.7	25.1	28.3	67.1
	AS.LONG	-34.5	-11.9	-21.2	-48.9	-54.1	14.4	-12.0	-58.5	-82.3
55.00	AS. LAT	52.4	61.3	41.3	40.0	60.2	62.1	28.1	26.8	63.4
	AS.LONG	-38.5	-16.1	-22.3	-51.0	-62.1	15.7	-11.1	-58.9	-92.1
65.00	AS. LAT	53.1	63.8	43.0	39.8	59.3	66.6	30.4	25.7	60.4
	AS.LONG	-41.7	-20.3	-23.3	-52.4	-67.2	16.0	-10.6	-58.9	-96.8
75.00	AS. LAT	53.6	65.5	44.3	39.5	58.5	69.9	32.2	25.0	58.0
	AS.LONG	-44.1	-24.2	-24.3	-53.4	-70.6	15.7	-10.4	-58.9	-99.3
85.00	AS. LAT	53.8	66.6	45.3	39.3	57.6	72.5	33.6	24.5	56.0
	AS.LONG	-46.0	-27.7	-25.1	-54.1	-73.1	14.9	-10.3	-58.9	-100.8
95.00	AS. LAT	54.0	67.5	46.0	39.1	56.9	74.5	34.7	24.1	54.5
	AS.LONG	-47.5	-30.7	-25.8	-54.6	-74.9	13.9	-10.3	-58.8	-101.8
150.00	AS. LAT	54.1	69.3	48.2	38.5	54.4	80.6	38.3	22.9	49.5
	AS.LONG	-52.3	-41.9	-28.3	-56.3	-79.6	5.4	-10.5	-58.6	-103.9
250.00	AS. LAT	54.0	69.7	49.7	38.1	52.4	84.2	40.9	22.2	46.0
	AS.LONG	-55.6	-50.7	-30.4	-57.3	-82.3	-14.2	-11.0	-58.3	-104.6
350.00	AS. LAT	53.8	69.7	50.3	37.9	51.6	85.2	42.0	21.9	44.6
	AS.LONG	-57.0	-54.5	-31.4	-57.8	-83.2	-31.6	-11.2	-58.2	-104.7
450.00	AS. LAT	53.7	69.7	50.6	37.7	51.0	85.5	42.6	21.8	43.7
	AS.LONG	-57.8	-56.7	-32.0	-58.0	-83.7	-44.3	-11.4	-58.1	-104.7
750.00	AS. LAT	53.6	69.5	51.0	37.6	50.3	85.5	43.5	21.6	42.6
	AS.LONG	-58.8	-59.6	-32.8	-58.3	-84.4	-63.4	-11.7	-58.0	-104.8

HAFELEKAR,AUSTRIA

GEOGRAPHIC LATITUDE = 47.32 GEOGRAPHIC LONGITUDE = 11.37

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X F	X R	X F	X R	X R	X R	X R	X F	X R
	AS.LONG	X F	X R	X F	X R	X R	X R	X R	X F	X R
3.50	AS. LAT	X R	X R	X R	X R	C.7	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	1277.3	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	9.9	X R	5.8	-20.6	X R	X R	16.0
	AS.LONG	X R	X R	890.4	X R	239.8	328.1	X R	X R	188.0
5.50	AS. LAT	0.0	-1.1	13.4	4.0	-5.3	7.2	-17.7	9.5	-7.3
	AS.LONG	148.5	152.2	182.9	152.7	129.1	165.3	300.6	160.8	115.7
6.50	AS. LAT	-7.1	-7.3	-5.7	-7.1	-8.0	-10.3	-1.4	-6.8	-7.7
	AS.LONG	115.2	112.2	128.9	120.4	104.5	117.1	151.1	125.8	94.6
7.50	AS. LAT	-8.9	-6.7	-7.0	-10.1	-10.5	-3.9	-6.5	-10.8	-10.7
	AS.LONG	101.1	96.3	108.6	104.3	94.0	94.2	119.0	106.2	86.5
8.50	AS. LAT	-11.0	-9.0	-8.6	-11.0	-12.2	-3.8	-6.0	-10.2	-12.2
	AS.LONG	93.6	89.7	99.1	94.2	87.6	84.0	104.6	93.3	81.7
9.50	AS. LAT	-12.2	-11.8	-10.7	-10.7	-11.7	-7.4	-7.4	-8.3	-10.6
	AS.LONG	88.4	86.7	94.0	86.9	82.6	80.5	97.9	84.2	77.6
11.00	AS. LAT	-11.5	-13.5	-13.2	-8.4	-7.4	-12.4	-11.1	-5.3	-3.7
	AS.LONG	82.3	83.6	89.1	78.9	76.6	80.1	94.0	74.8	72.7
13.00	AS. LAT	-6.8	-10.7	-13.6	-3.9	1.2	-13.8	-15.4	-1.8	8.0
	AS.LONG	76.4	79.9	84.0	71.5	71.1	80.3	91.9	66.3	68.0
15.00	AS. LAT	-0.6	-4.5	-11.0	0.8	9.9	-9.8	-17.4	0.8	18.7
	AS.LONG	72.3	77.3	79.9	66.3	67.0	79.8	89.6	60.5	64.0
17.00	AS. LAT	5.4	2.6	-7.0	5.1	17.4	-3.2	-17.1	3.0	27.4
	AS.LONG	69.2	75.5	76.7	62.4	63.5	79.7	86.9	56.1	59.8
19.00	AS. LAT	10.9	9.4	-2.6	8.8	23.5	3.9	-15.2	4.7	34.2
	AS.LONG	66.7	74.3	74.4	59.1	60.2	80.0	84.4	52.6	55.2
25.00	AS. LAT	23.1	25.6	9.0	16.7	35.4	22.8	-6.2	8.2	45.9
	AS.LONG	60.5	71.1	69.9	51.8	50.6	81.2	79.6	45.6	40.3
35.00	AS. LAT	34.0	41.3	21.6	23.3	43.8	42.7	6.9	11.2	51.0
	AS.LONG	52.3	65.2	65.1	43.9	36.9	81.2	76.0	38.9	18.9
45.00	AS. LAT	39.3	49.6	28.9	26.5	46.5	54.3	15.5	12.7	50.3
	AS.LONG	45.8	58.9	61.4	38.7	26.9	79.3	74.1	35.1	5.7
55.00	AS. LAT	42.2	54.4	33.4	28.2	47.3	61.7	21.2	13.6	48.4
	AS.LONG	40.8	52.9	58.5	35.2	19.9	76.1	72.6	32.6	-2.0
65.00	AS. LAT	43.9	57.3	36.4	29.2	47.3	66.6	25.3	14.1	46.6
	AS.LONG	37.0	47.5	56.1	32.6	15.0	72.1	71.4	30.8	-6.9
75.00	AS. LAT	45.0	59.2	38.5	29.9	47.0	70.1	28.2	14.5	45.1
	AS.LONG	33.9	42.8	54.1	30.6	11.4	67.5	70.4	29.5	-10.1
85.00	AS. LAT	45.7	60.5	40.1	30.3	46.7	72.6	30.5	14.8	43.7
	AS.LONG	31.5	38.8	52.5	29.0	8.7	62.5	69.6	28.5	-12.4
95.00	AS. LAT	46.2	61.3	41.3	30.6	46.4	74.5	32.3	15.0	42.6
	AS.LONG	29.5	35.4	51.0	27.8	6.6	57.4	68.8	27.7	-14.1
150.00	AS. LAT	47.2	63.0	44.8	31.4	44.8	78.6	37.8	15.5	38.8
	AS.LONG	23.0	23.4	46.1	23.8	0.3	30.7	66.0	25.2	-18.8
250.00	AS. LAT	47.5	63.3	46.9	31.7	43.4	78.9	41.5	15.8	35.8
	AS.LONG	18.3	14.4	42.1	21.0	-3.5	4.3	63.6	23.4	-21.5
350.00	AS. LAT	47.5	63.2	47.8	31.8	42.6	78.3	43.0	16.0	34.5
	AS.LONG	16.3	10.6	40.3	19.8	-5.2	-6.2	62.5	22.6	-22.6
450.00	AS. LAT	47.5	63.0	48.2	31.8	42.2	77.7	43.9	16.0	33.8
	AS.LONG	15.2	8.5	39.2	19.1	-6.0	-11.5	61.8	22.2	-23.1
750.00	AS. LAT	47.4	62.8	48.8	31.8	41.6	76.8	45.0	16.1	32.7
	AS.LONG	13.6	5.5	37.7	18.2	-7.2	-18.1	60.7	21.6	-23.9

HALEAKALA ,HAWAII

GEOGRAPHIC LATITUDE = 20.71 GEOGRAPHIC LONGITUDE =-156.26

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
11.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	11.9
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	110.7
13.00	AS. LAT	X R	X R	X R	8.1	-12.3	X R	X R	12.2	-28.4
	AS.LONG	X R	X R	X R	113.5	-2.9	X R	X R	87.6	-38.3
15.00	AS. LAT	-16.0	-1.9	X R	-15.9	-27.8	X R	X R	-11.0	-23.7
	AS.LONG	-9.1	15.0	X R	-20.4	-49.2	X R	X R	-23.1	-73.0
17.00	AS. LAT	-27.4	-29.4	-6.6	-25.3	-23.1	-21.5	X R	-22.8	-14.2
	AS.LONG	-44.0	-28.4	4.6	-50.6	-73.3	0.2	X R	-50.8	-90.2
19.00	AS. LAT	-25.5	-28.5	-24.6	-25.6	-16.4	-34.1	24.9	-26.4	-6.3
	AS.LONG	-64.9	-54.0	-27.2	-69.6	-87.1	-33.8	61.7	-68.9	-100.9
25.00	AS. LAT	-12.8	-11.0	-23.5	-18.4	-1.7	-15.1	-27.4	-25.6	8.5
	AS.LONG	-93.4	-84.8	-71.7	-98.4	-108.5	-73.6	-36.3	-98.8	-120.0
35.00	AS. LAT	-0.1	6.6	-11.0	-10.0	9.8	8.4	-21.9	-21.3	18.8
	AS.LONG	-111.8	-102.5	-95.7	-117.8	-125.6	-90.6	-74.6	-120.0	-137.9
45.00	AS. LAT	6.1	15.5	-3.7	-5.6	15.0	20.7	-14.4	-18.6	22.8
	AS.LONG	-121.3	-111.8	-106.1	-127.4	-135.3	-98.9	-88.5	-130.3	-148.8
55.00	AS. LAT	9.7	20.6	0.6	-3.0	17.7	27.9	-9.4	-16.9	24.5
	AS.LONG	-127.3	-117.9	-112.3	-133.3	-141.7	-104.7	-95.9	-136.5	-156.0
65.00	AS. LAT	12.0	23.8	3.5	-1.4	19.3	32.7	-5.9	-15.7	25.3
	AS.LONG	-131.5	-122.4	-116.4	-137.3	-146.3	-109.2	-100.6	-140.7	-161.2
75.00	AS. LAT	13.5	26.1	5.6	-0.3	20.3	35.9	-3.4	-14.9	25.7
	AS.LONG	-134.6	-125.9	-119.5	-140.3	-149.8	-112.8	-103.9	-143.7	-165.1
85.00	AS. LAT	14.6	27.7	7.1	0.4	21.0	38.3	-1.5	-14.4	25.9
	AS.LONG	-137.0	-128.6	-121.8	-142.5	-152.4	-115.7	-106.3	-146.0	-168.1
95.00	AS. LAT	15.5	28.9	8.2	1.0	21.4	40.2	0.0	-13.9	26.0
	AS.LONG	-139.0	-130.9	-123.7	-144.3	-154.5	-118.2	-108.3	-147.8	-170.4
150.00	AS. LAT	17.8	32.2	11.6	2.7	22.6	45.3	4.3	-12.6	25.8
	AS.LONG	-145.1	-138.1	-129.5	-149.9	-161.3	-126.9	-114.2	-153.3	-177.9
250.00	AS. LAT	19.1	34.1	13.7	3.7	23.0	48.2	7.2	-11.7	25.2
	AS.LONG	-149.5	-143.5	-133.6	-153.7	-166.0	-133.8	-118.2	-157.1	-183.0
350.00	AS. LAT	19.6	34.8	14.5	4.1	23.1	49.3	8.3	-11.4	24.9
	AS.LONG	-151.4	-145.9	-135.4	-155.4	-168.1	-137.0	-120.0	-158.7	-185.2
450.00	AS. LAT	19.9	35.2	15.0	4.3	23.2	49.9	9.0	-11.2	24.7
	AS.LONG	-152.5	-147.2	-136.4	-156.3	-169.2	-138.9	-120.9	-159.6	-186.4
750.00	AS. LAT	20.2	35.6	15.6	4.6	23.2	50.6	9.9	-10.9	24.4
	AS.LONG	-154.0	-149.1	-137.8	-157.6	-170.8	-141.5	-122.3	-160.9	-188.2

HEISS ISLAND, U.S.S.R.

GEOGRAPHIC LATITUDE = 80.33 GEOGRAPHIC LONGITUDE = 57.80

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	31.1	31.8	30.2	30.6	31.2	30.3	30.9	30.6	33.0
	AS.LONG	104.3	105.2	105.5	104.5	103.9	104.6	104.3	102.5	103.7
1.50	AS. LAT	40.6	41.6	39.9	39.9	40.7	39.9	37.1	38.5	42.6
	AS.LONG	101.7	102.5	103.4	101.7	100.9	105.4	101.7	99.4	99.6
2.50	AS. LAT	47.8	47.1	46.9	48.6	49.4	48.6	48.7	49.4	49.2
	AS.LONG	99.6	101.0	98.3	97.3	100.5	99.4	100.1	97.9	101.0
3.50	AS. LAT	52.2	51.2	50.5	53.0	54.4	51.3	52.1	54.5	54.9
	AS.LONG	98.6	101.2	96.9	94.9	99.8	99.7	96.1	93.9	101.3
4.50	AS. LAT	56.4	58.2	56.0	54.9	56.5	60.4	52.7	52.2	57.7
	AS.LONG	97.9	99.0	101.2	97.5	95.4	104.9	105.8	95.6	91.2
5.50	AS. LAT	57.5	56.1	55.8	58.9	59.8	56.0	56.9	60.4	60.4
	AS.LONG	96.8	100.3	94.1	92.1	99.4	99.4	92.7	90.4	101.7
6.50	AS. LAT	59.4	59.6	54.8	58.0	63.8	57.3	51.2	57.7	67.8
	AS.LONG	98.4	107.1	99.3	89.7	96.1	112.7	96.0	81.2	96.7
7.50	AS. LAT	61.8	64.5	58.1	58.3	64.6	64.5	52.7	55.1	68.2
	AS.LONG	98.4	106.5	104.1	92.4	91.2	118.2	105.6	85.2	83.7
8.50	AS. LAT	63.5	66.6	62.2	60.4	64.2	69.5	58.3	56.5	65.6
	AS.LONG	96.9	100.6	103.8	94.8	90.3	110.9	110.2	91.1	81.8
9.50	AS. LAT	64.6	66.4	64.8	63.1	64.3	69.8	63.5	60.2	64.3
	AS.LONG	95.3	96.0	99.4	95.1	92.2	99.8	107.5	94.4	86.3
11.00	AS. LAT	65.3	64.6	65.3	66.3	65.6	66.2	66.3	66.2	65.4
	AS.LONG	93.7	95.3	91.7	91.7	96.3	95.1	94.5	92.0	95.8
13.00	AS. LAT	65.9	63.3	63.3	68.3	68.6	61.8	62.8	70.1	69.7
	AS.LONG	93.6	100.6	87.6	83.9	100.8	102.3	83.4	76.9	107.1
15.00	AS. LAT	66.7	63.4	61.3	68.4	72.0	59.8	58.0	69.2	75.1
	AS.LONG	94.4	107.4	88.5	76.9	102.8	112.8	82.9	61.4	115.7
17.00	AS. LAT	67.6	64.4	60.1	67.7	75.1	59.4	54.3	66.1	80.3
	AS.LONG	95.3	114.0	91.3	72.5	102.1	122.9	86.5	53.4	121.2
19.00	AS. LAT	68.6	65.7	59.5	66.8	77.7	59.7	51.8	62.9	85.0
	AS.LONG	96.1	120.0	94.5	70.0	98.7	132.1	91.0	50.5	121.9
25.00	AS. LAT	71.2	70.1	59.7	64.8	81.8	62.3	48.7	55.9	84.1
	AS.LONG	97.2	134.5	103.2	68.2	73.9	154.7	103.5	51.9	-24.3
35.00	AS. LAT	74.3	75.8	62.0	63.4	80.8	66.1	48.8	50.9	74.0
	AS.LONG	95.8	152.2	112.8	69.4	35.6	181.4	117.3	58.0	-18.9
45.00	AS. LAT	76.2	79.3	64.1	63.1	78.3	67.8	50.1	49.0	68.5
	AS.LONG	93.0	166.7	118.5	70.8	23.8	-160.2	125.8	62.6	-13.3
55.00	AS. LAT	77.4	81.5	65.8	63.1	76.4	68.6	51.5	48.2	65.2
	AS.LONG	89.8	180.2	122.3	71.9	19.8	-146.9	131.5	65.7	-9.5
65.00	AS. LAT	78.1	82.8	67.0	63.2	75.1	68.9	52.6	47.9	62.9
	AS.LONG	86.9	193.2	125.0	72.6	18.2	-137.2	135.6	68.0	-6.8
75.00	AS. LAT	78.6	83.6	68.1	63.3	74.1	69.0	53.5	47.8	61.3
	AS.LONG	84.3	205.6	127.0	73.2	17.5	-129.8	138.7	69.7	-4.8
85.00	AS. LAT	79.0	84.1	68.9	63.4	73.3	69.0	54.3	47.7	60.2
	AS.LONG	82.0	-143.2	128.5	73.6	17.2	-124.1	141.1	71.0	-3.3
95.00	AS. LAT	79.3	84.3	69.5	63.5	72.7	68.9	55.0	47.8	59.2
	AS.LONG	80.0	-133.2	129.7	73.9	17.0	-119.6	143.0	72.0	-2.1
150.00	AS. LAT	79.9	84.1	71.7	64.0	70.8	68.3	57.1	48.0	56.5
	AS.LONG	72.8	-101.0	133.6	74.8	17.0	-105.7	149.3	75.3	1.6
250.00	AS. LAT	80.2	83.2	73.3	64.4	69.5	67.5	58.8	48.4	54.8
	AS.LONG	67.0	-82.3	136.3	75.4	17.3	-96.3	153.8	77.5	4.2
350.00	AS. LAT	80.3	82.7	74.0	64.5	69.0	67.1	59.5	48.6	54.1
	AS.LONG	64.4	-75.6	137.5	75.7	17.5	-92.5	155.8	78.4	5.3
450.00	AS. LAT	80.3	82.3	74.4	64.6	68.7	66.9	60.0	48.7	53.7
	AS.LONG	63.0	-72.3	138.2	75.8	17.6	-90.3	156.9	79.0	5.9
750.00	AS. LAT	80.3	81.9	75.0	64.8	68.3	66.6	60.6	48.9	53.2
	AS.LONG	60.9	-67.9	139.1	75.9	17.9	-87.4	158.5	79.7	6.8

HERMANUS,S.AFRICA

GEOGRAPHIC LATITUDE = -34.42 GEOGRAPHIC LONGITUDE = 19.22

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X F	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X F	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X F	X R	X R	X R	X F	X R
	AS.LONG	X R	X R	X R	X F	X R	X R	X R	X F	X R
4.50	AS. LAT	-4.5	X R	X R	X R	X R	1.3	X R	X R	1.6
	AS.LONG	608.0	X R	X R	X R	X R	883.6	X R	X R	304.3
5.50	AS. LAT	-14.1	-14.8	-0.3	-8.5	-8.6	-15.3	X R	-1.5	1.8
	AS.LONG	197.3	209.1	264.4	178.5	168.1	213.0	X R	173.1	147.6
6.50	AS. LAT	3.8	8.6	-2.2	5.0	12.0	14.2	-3.8	12.6	19.3
	AS.LONG	148.2	144.0	157.5	144.6	138.9	137.3	165.4	133.1	129.5
7.50	AS. LAT	19.1	23.7	10.0	14.8	27.2	25.9	5.3	16.6	32.3
	AS.LONG	131.0	121.5	138.7	134.3	121.8	110.7	142.2	126.0	113.2
8.50	AS. LAT	28.6	29.4	19.6	24.7	33.3	27.9	11.1	21.7	34.8
	AS.LONG	117.3	104.7	128.3	126.6	105.0	92.8	133.6	125.2	95.3
9.50	AS. LAT	32.5	30.1	26.8	32.1	32.2	26.7	16.6	28.3	29.7
	AS.LONG	104.4	91.6	119.4	117.4	90.7	80.5	128.8	123.6	81.8
11.00	AS. LAT	31.1	26.9	32.4	35.3	24.7	23.7	24.7	36.4	18.2
	AS.LONG	88.9	77.8	106.4	102.0	76.9	68.2	122.6	115.3	70.4
13.00	AS. LAT	24.0	20.9	32.4	29.7	13.5	19.6	32.2	36.8	4.2
	AS.LONG	76.2	66.6	91.9	87.0	67.0	57.8	113.0	99.7	62.1
15.00	AS. LAT	16.4	15.3	28.3	21.0	4.1	16.4	34.8	25.4	-6.4
	AS.LONG	69.0	59.6	82.0	78.9	61.0	51.0	102.8	89.4	56.3
17.00	AS. LAT	9.8	10.7	23.3	12.8	-3.0	13.8	34.0	20.5	-14.4
	AS.LONG	64.2	54.7	75.6	74.2	56.5	46.1	94.2	84.1	51.4
19.00	AS. LAT	4.4	7.0	18.5	5.7	-8.7	11.8	31.4	12.1	-20.4
	AS.LONG	60.7	50.9	71.3	71.1	52.8	42.4	87.6	81.3	46.9
25.00	AS. LAT	-6.8	-0.5	7.2	-9.4	-19.6	7.7	22.0	-6.7	-31.1
	AS.LONG	53.5	43.4	63.9	65.2	44.1	35.1	76.8	77.2	35.3
35.00	AS. LAT	-16.6	-6.9	-3.8	-23.1	-27.9	4.2	10.3	-24.6	-37.7
	AS.LONG	46.2	36.2	57.7	58.8	34.2	28.5	69.7	73.4	21.3
45.00	AS. LAT	-21.6	-10.2	-9.9	-30.3	-31.6	2.3	3.2	-34.6	-39.7
	AS.LONG	41.4	32.0	54.0	54.1	27.6	24.9	66.3	70.3	12.1
55.00	AS. LAT	-24.5	-12.1	-13.7	-34.7	-33.5	1.2	-1.4	-40.8	-40.3
	AS.LONG	38.0	29.2	51.5	50.5	23.0	22.6	64.1	67.5	6.0
65.00	AS. LAT	-26.4	-13.4	-16.3	-37.6	-34.5	0.4	-4.6	-45.0	-40.3
	AS.LONG	35.5	27.2	49.7	47.7	19.6	21.0	62.6	65.1	1.8
75.00	AS. LAT	-27.7	-14.2	-18.2	-39.6	-35.2	0.0	-7.0	-48.1	-40.1
	AS.LONG	33.6	25.7	48.2	45.3	17.1	19.8	61.5	63.0	-1.2
85.00	AS. LAT	-28.7	-14.9	-19.6	-41.1	-35.6	-0.4	-8.8	-50.3	-39.9
	AS.LONG	32.1	24.5	47.1	43.4	15.1	18.9	60.6	61.2	-3.6
95.00	AS. LAT	-29.4	-15.4	-20.7	-42.2	-35.9	-0.7	-10.2	-52.1	-39.7
	AS.LONG	30.9	23.6	46.2	41.9	13.5	18.1	59.9	59.5	-5.4
150.00	AS. LAT	-31.5	-16.8	-24.0	-45.5	-36.6	-1.6	-14.6	-57.3	-38.6
	AS.LONG	26.8	20.6	43.1	36.4	8.5	15.9	57.5	53.3	-11.1
250.00	AS. LAT	-32.8	-17.6	-26.2	-47.4	-36.7	-2.2	-17.6	-60.5	-37.6
	AS.LONG	23.8	18.4	40.8	32.1	5.0	14.3	55.8	47.6	-14.8
350.00	AS. LAT	-33.3	-18.0	-27.1	-48.1	-36.8	-2.5	-18.8	-61.8	-37.1
	AS.LONG	22.5	17.5	39.8	30.2	3.5	13.6	55.0	44.7	-16.3
450.00	AS. LAT	-33.5	-18.2	-27.6	-48.5	-36.8	-2.6	-19.5	-62.5	-36.8
	AS.LONG	21.8	17.0	39.2	29.1	2.6	13.2	54.5	43.0	-17.2
750.00	AS. LAT	-33.9	-18.4	-28.2	-49.1	-36.7	-2.8	-20.5	-63.4	-36.4
	AS.LONG	20.8	16.3	38.3	27.5	1.4	12.7	53.9	40.5	-18.3

HUANCAYO.PERU

GEOGRAPHIC LATITUDE = -12.03 GEOGRAPHIC LONGITUDE = -76.88

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
11.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	-1.4
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	175.0
13.00	AS. LAT	X R	X R	X R	X R	14.4	X R	X R	X R	6.0
	AS.LONG	X R	X R	X R	X R	82.1	X R	X R	X R	41.1
15.00	AS. LAT	13.6	9.2	X R	20.0	4.1	9.7	X R	24.0	-2.6
	AS.LONG	76.7	91.8	X R	79.2	34.9	163.4	X R	104.9	11.5
17.00	AS. LAT	5.7	4.4	15.0	8.6	-2.0	1.3	X R	17.3	-7.2
	AS.LONG	40.6	47.8	94.8	41.9	13.3	67.3	X R	51.3	-5.9
19.00	AS. LAT	0.5	2.5	9.7	-0.3	-5.7	1.8	-2.6	4.2	-9.9
	AS.LONG	21.9	26.6	56.0	24.2	-0.7	39.8	175.3	32.1	-18.3
25.00	AS. LAT	-6.7	1.4	-1.0	-14.0	-10.6	7.5	7.4	-17.4	-13.1
	AS.LONG	-7.0	-4.9	15.4	-3.1	-25.6	3.4	46.3	6.1	-41.5
35.00	AS. LAT	-10.4	1.7	-6.9	-22.1	-12.7	12.6	-1.6	-31.3	-14.0
	AS.LONG	-28.7	-27.7	-9.8	-24.8	-45.8	-21.5	12.1	-15.0	-61.1
45.00	AS. LAT	-11.6	2.0	-9.0	-25.1	-13.2	15.0	-4.9	-36.9	-13.8
	AS.LONG	-39.9	-39.1	-22.0	-36.5	-56.5	-34.1	-2.3	-27.6	-71.8
55.00	AS. LAT	-12.1	2.3	-10.0	-26.5	-13.2	16.3	-6.6	-39.7	-13.4
	AS.LONG	-46.8	-46.1	-29.4	-44.0	-63.2	-41.9	-10.7	-36.1	-78.5
65.00	AS. LAT	-12.3	2.6	-10.5	-27.2	-13.1	17.1	-7.6	-41.3	-13.0
	AS.LONG	-51.5	-50.9	-34.4	-49.1	-67.8	-47.2	-16.2	-42.2	-83.2
75.00	AS. LAT	-12.4	2.7	-10.9	-27.6	-13.0	17.7	-8.2	-42.2	-12.7
	AS.LONG	-55.0	-54.4	-38.0	-52.9	-71.2	-51.0	-20.2	-46.8	-86.6
85.00	AS. LAT	-12.5	2.9	-11.1	-27.9	-12.9	18.0	-8.7	-42.8	-12.4
	AS.LONG	-57.6	-57.0	-40.7	-55.8	-73.8	-54.0	-23.1	-50.4	-89.2
95.00	AS. LAT	-12.5	3.0	-11.3	-28.0	-12.7	18.3	-9.0	-43.2	-12.2
	AS.LONG	-59.6	-59.1	-42.8	-58.0	-75.8	-56.3	-25.4	-53.2	-91.3
150.00	AS. LAT	-12.4	3.3	-11.6	-28.3	-12.3	19.1	-9.8	-44.1	-11.3
	AS.LONG	-66.0	-65.5	-49.4	-65.1	-82.2	-63.5	-32.5	-62.2	-97.8
250.00	AS. LAT	-12.3	3.6	-11.8	-28.3	-11.9	19.5	-10.3	-44.3	-10.6
	AS.LONG	-70.3	-69.9	-53.8	-70.0	-86.5	-68.5	-37.2	-68.5	-102.4
350.00	AS. LAT	-12.2	3.7	-11.8	-28.2	-11.7	19.6	-10.5	-44.2	-10.3
	AS.LONG	-72.2	-71.7	-55.7	-72.1	-88.4	-70.7	-39.2	-71.1	-104.4
450.00	AS. LAT	-12.2	3.7	-11.8	-28.2	-11.6	19.7	-10.6	-44.2	-10.1
	AS.LONG	-73.2	-72.8	-56.8	-73.2	-89.5	-71.9	-40.3	-72.6	-105.4
750.00	AS. LAT	-12.1	3.8	-11.9	-28.1	-11.4	19.8	-10.7	-44.1	-9.8
	AS.LONG	-74.7	-74.3	-58.3	-74.8	-90.9	-73.6	-41.9	-74.7	-107.0

INUVIK,CANADA

GEOGRAPHIC LATITUDE = 68.35 GEOGRAPHIC LONGITUDE =-133.73

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-3.0	-3.1	-4.0	-3.3	-2.0	-2.0	-4.6	-3.6	-1.9
	AS.LONG	-123.6	-122.6	-122.7	-123.7	-124.2	-123.4	-123.7	-124.7	-123.3
1.50	AS. LAT	10.3	10.9	9.3	9.8	11.4	7.7	6.1	9.0	13.7
	AS.LONG	-127.0	-125.6	-125.9	-127.1	-127.6	-125.9	-126.5	-128.2	-126.6
2.50	AS. LAT	20.1	19.2	19.1	21.5	21.2	22.4	20.2	22.5	21.2
	AS.LONG	-127.8	-128.1	-129.0	-128.7	-127.0	-127.9	-128.2	-128.6	-128.1
3.50	AS. LAT	26.0	24.4	24.3	27.7	27.7	26.2	25.2	29.3	27.6
	AS.LONG	-127.8	-127.6	-129.5	-129.2	-126.3	-129.1	-130.3	-129.6	-126.4
4.50	AS. LAT	31.7	33.2	30.3	30.5	33.1	33.3	26.7	28.8	36.4
	AS.LONG	-128.2	-126.4	-126.4	-128.7	-129.6	-121.4	-124.5	-130.2	-130.8
5.50	AS. LAT	32.8	31.0	31.3	35.2	34.5	32.1	31.9	37.2	34.7
	AS.LONG	-127.8	-127.6	-130.3	-129.1	-125.5	-129.2	-131.4	-129.4	-125.1
6.50	AS. LAT	35.9	33.8	30.9	36.9	40.6	30.1	27.1	38.5	43.4
	AS.LONG	-125.8	-121.8	-127.6	-130.8	-124.0	-121.3	-131.0	-135.3	-120.7
7.50	AS. LAT	39.2	39.7	34.2	37.6	43.9	37.0	28.3	36.4	48.8
	AS.LONG	-125.8	-120.3	-124.5	-130.5	-127.2	-115.0	-125.1	-135.6	-126.2
8.50	AS. LAT	41.2	43.3	38.3	38.9	44.0	43.9	33.5	36.6	48.3
	AS.LONG	-126.9	-123.2	-124.2	-129.3	-129.6	-116.3	-121.9	-132.4	-131.9
9.50	AS. LAT	42.1	44.0	41.0	40.8	43.4	46.7	38.6	38.9	46.0
	AS.LONG	-127.8	-126.7	-125.9	-128.2	-129.6	-122.0	-122.7	-129.3	-132.5
11.00	AS. LAT	42.6	42.4	42.4	43.8	43.2	44.7	42.4	44.1	44.1
	AS.LONG	-128.1	-128.7	-129.5	-127.5	-126.8	-128.5	-128.4	-126.9	-127.8
13.00	AS. LAT	43.4	40.1	41.6	47.2	45.0	39.3	41.2	50.4	45.6
	AS.LONG	-126.9	-126.7	-132.1	-128.1	-121.7	-128.2	-135.6	-128.7	-118.8
15.00	AS. LAT	44.5	39.4	40.2	49.7	48.1	35.8	37.4	54.2	49.5
	AS.LONG	-125.1	-122.5	-132.4	-129.8	-117.2	-123.2	-138.4	-134.2	-110.6
17.00	AS. LAT	45.9	40.0	39.3	51.2	51.5	34.5	33.9	55.8	54.1
	AS.LONG	-123.4	-118.1	-131.3	-131.8	-113.8	-117.1	-138.2	-140.7	-103.8
19.00	AS. LAT	47.4	41.2	38.8	52.3	54.8	34.5	31.1	55.8	58.7
	AS.LONG	-122.0	-114.0	-129.8	-133.7	111.6	-111.1	-136.6	-146.4	-98.4
25.00	AS. LAT	51.6	46.1	39.3	53.6	62.8	38.0	27.4	52.7	70.3
	AS.LONG	-119.4	-104.7	-125.1	-138.0	-109.6	-96.5	-130.2	-156.2	-88.7
35.00	AS. LAT	56.4	53.2	41.8	53.9	70.4	45.0	27.2	47.8	82.5
	AS.LONG	-118.5	-96.0	-119.7	-141.8	-115.3	-81.1	-121.6	-160.4	-89.6
45.00	AS. LAT	59.3	58.0	44.2	53.9	74.0	50.2	28.8	44.9	87.5
	AS.LONG	-119.1	-91.4	-116.5	-143.7	-125.0	-71.6	-116.1	-160.7	-163.8
55.00	AS. LAT	61.2	61.4	46.0	53.9	75.5	53.9	30.4	43.3	84.2
	AS.LONG	-120.1	-88.8	-114.6	-144.7	-134.7	-65.1	-112.4	-160.4	-215.0
65.00	AS. LAT	62.5	63.8	47.5	53.9	76.1	56.6	31.8	42.2	81.0
	AS.LONG	-121.2	-87.2	-113.3	-145.4	-142.8	-60.3	-109.8	-159.9	-221.5
75.00	AS. LAT	63.4	65.7	48.6	53.8	76.2	58.6	33.0	41.5	78.6
	AS.LONG	-122.2	-86.1	-112.4	-145.8	-149.2	-56.6	-108.0	-159.5	-222.9
85.00	AS. LAT	64.1	67.1	49.5	53.8	76.1	60.2	33.9	41.0	76.8
	AS.LONG	-123.0	-85.4	-111.8	-146.2	-154.0	-53.7	-106.5	-159.1	-223.2
95.00	AS. LAT	64.6	68.3	50.2	53.8	75.9	61.5	34.7	40.6	75.3
	AS.LONG	-123.8	-84.9	-111.3	-146.4	-157.8	-51.2	-105.4	-158.8	-223.1
150.00	AS. LAT	66.2	71.9	52.5	53.8	74.8	65.5	37.5	39.6	70.8
	AS.LONG	-126.7	-84.1	-110.0	-147.1	-168.3	-42.9	-101.9	-157.6	-221.8
250.00	AS. LAT	67.1	74.4	54.3	53.8	73.6	68.3	39.6	39.1	67.8
	AS.LONG	-129.2	-84.2	-109.2	-147.6	-174.1	-36.2	-99.5	-156.6	-220.3
350.00	AS. LAT	67.5	75.5	55.0	53.8	73.1	69.4	40.5	38.9	66.5
	AS.LONG	-130.4	-84.6	-108.9	-147.8	-176.3	-33.1	-98.5	-156.2	-219.6
450.00	AS. LAT	67.7	76.1	55.4	53.8	72.7	70.1	41.1	38.8	65.8
	AS.LONG	-131.1	-84.9	-108.8	-147.9	-177.4	-31.2	-97.9	-156.0	-219.2
750.00	AS. LAT	67.9	77.0	56.0	53.8	72.2	71.0	41.8	38.7	64.8
	AS.LONG	-132.1	-85.5	-108.7	-148.1	-178.8	-28.5	-97.2	-155.6	-218.6

INVERCARGILL,NEW ZEALAND

GEOGRAPHIC LATITUDE = -46.50 GEOGRAPHIC LONGITUDE = 168.37

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X F	X R	X R	X R	X R	X	X F	X R
	AS.LONG	X R	X F	X R	X R	X R	X R	X R	X F	X R
1.50	AS. LAT	X F	X R	X F	X F	X F	X R	X R	X F	X R
	AS.LONG	X F	X R	X F	X F	X F	X R	X R	X F	X R
2.50	AS. LAT	-7.7	-6.9	-14.4	-10.8	-3.2	-6.8	-17.5	-5.3	-2.2
	AS.LONG	317.1	313.6	328.3	320.3	309.7	311.1	333.2	308.4	306.5
3.50	AS. LAT	10.7	10.1	9.8	11.1	11.0	9.6	7.6	9.1	12.1
	AS.LONG	270.7	267.7	276.6	273.7	266.1	265.3	279.1	267.8	264.3
4.50	AS. LAT	8.5	9.4	7.9	6.1	8.4	9.9	8.1	5.2	6.2
	AS.LONG	248.0	248.8	251.1	246.7	244.4	249.3	256.0	250.3	239.2
5.50	AS. LAT	7.4	5.5	9.3	9.2	5.5	4.0	9.2	7.2	5.6
	AS.LONG	241.5	238.3	244.2	243.0	238.9	235.3	245.0	239.3	237.1
6.50	AS. LAT	0.3	1.3	5.2	1.9	-3.8	2.7	10.0	7.0	-6.8
	AS.LONG	233.8	230.8	239.0	238.0	229.8	228.3	243.8	241.2	228.3
7.50	AS. LAT	-4.6	-1.4	-1.3	-6.7	-7.7	1.6	3.5	-4.3	-12.1
	AS.LONG	226.8	225.8	232.3	229.9	221.9	225.2	238.6	235.9	218.4
8.50	AS. LAT	-6.2	-3.5	-5.3	-9.9	-7.6	-1.2	-3.3	-12.9	-10.7
	AS.LONG	222.0	222.4	226.3	222.8	217.8	222.9	231.9	227.5	213.2
9.50	AS. LAT	-6.4	-5.6	-6.5	-9.2	-6.9	-5.1	-6.9	-14.7	-8.6
	AS.LONG	219.4	220.0	222.0	218.7	216.6	220.4	225.7	220.0	212.4
11.00	AS. LAT	-6.8	-8.8	-6.2	-6.7	-7.9	-10.8	-7.0	-10.7	-8.7
	AS.LONG	218.1	217.3	218.6	217.3	217.0	216.4	219.5	215.4	214.4
13.00	AS. LAT	-9.3	-13.0	-5.6	-6.1	-12.7	-16.3	-3.9	-5.6	-14.4
	AS.LONG	217.8	214.4	217.5	219.2	217.8	210.7	216.8	217.3	217.2
15.00	AS. LAT	-13.1	-16.7	-6.4	-8.5	-19.1	-19.5	-1.3	-4.7	-22.6
	AS.LONG	217.6	211.7	217.6	221.5	217.9	205.5	217.2	221.6	218.4
17.00	AS. LAT	-17.2	-19.8	-8.2	-12.7	-25.3	-21.1	-0.3	-7.0	-30.8
	AS.LONG	217.1	209.2	218.0	223.2	216.9	201.2	218.5	225.7	217.8
19.00	AS. LAT	-21.2	-22.3	-10.5	-17.3	-30.8	-21.7	-0.5	-11.0	-38.0
	AS.LONG	216.3	206.9	218.3	224.4	215.2	197.7	219.9	229.0	215.9
25.00	AS. LAT	-30.5	-27.0	-17.8	-30.1	-42.2	-21.5	-4.6	-24.9	-52.3
	AS.LONG	212.7	200.9	218.1	225.1	207.4	190.9	222.8	235.1	203.8
35.00	AS. LAT	-39.2	-30.4	-26.8	-44.1	-50.0	-20.0	-12.9	-42.7	-59.1
	AS.LONG	205.6	194.0	216.2	221.6	192.7	185.7	224.6	238.8	177.3
45.00	AS. LAT	-43.3	-31.6	-32.3	-51.9	-51.8	-18.9	-19.3	-54.0	-57.6
	AS.LONG	199.5	189.6	213.8	216.0	181.4	183.3	224.8	238.7	159.7
55.00	AS. LAT	-45.4	-32.0	-35.9	-56.4	-51.6	-18.1	-23.8	-61.4	-54.5
	AS.LONG	194.7	186.7	211.5	210.1	173.8	181.9	224.5	236.6	150.4
65.00	AS. LAT	-46.5	-32.2	-38.3	-59.1	-50.9	-17.6	-27.0	-66.5	-51.7
	AS.LONG	191.0	184.6	209.6	204.6	168.7	181.0	224.1	233.4	145.2
75.00	AS. LAT	-47.1	-32.3	-40.0	-60.8	-50.1	-17.2	-29.5	-70.1	-49.4
	AS.LONG	188.1	183.1	208.0	199.8	165.1	180.4	223.6	229.4	142.1
85.00	AS. LAT	-47.4	-32.3	-41.2	-61.8	-49.4	-17.0	-31.4	-72.7	-47.4
	AS.LONG	185.8	181.9	206.6	195.6	162.5	180.0	223.1	224.8	140.0
95.00	AS. LAT	-47.6	-32.2	-42.2	-62.5	-48.7	-16.8	-32.9	-74.7	-45.9
	AS.LONG	184.0	181.0	205.4	192.1	160.5	179.6	222.6	219.8	138.6
150.00	AS. LAT	-47.8	-32.0	-44.9	-63.6	-46.0	-16.1	-37.7	-79.0	-40.6
	AS.LONG	178.1	178.1	201.1	179.9	155.1	178.6	220.7	192.3	135.1
250.00	AS. LAT	-47.5	-31.6	-46.5	-63.4	-43.8	-15.8	-40.9	-79.2	-36.8
	AS.LONG	174.1	176.2	197.7	171.2	151.9	177.9	218.9	164.5	133.4
350.00	AS. LAT	-47.3	-31.5	-47.2	-63.0	-42.8	-15.6	-42.3	-78.5	-35.2
	AS.LONG	172.4	175.4	196.1	167.6	150.7	177.7	217.9	153.6	132.9
450.00	AS. LAT	-47.1	-31.3	-47.5	-62.8	-42.2	-15.5	-43.0	-77.8	-34.2
	AS.LONG	171.5	174.9	195.2	165.7	150.1	177.5	217.4	148.3	132.6
750.00	AS. LAT	-46.9	-31.2	-47.9	-62.4	-41.4	-15.4	-44.1	-76.8	-32.9
	AS.LONG	170.2	174.3	193.9	163.0	149.2	177.3	216.5	141.9	132.2

IRKUTSK, U.S.S.R.

GEOGRAPHIC LATITUDE = 52.27 GEOGRAPHIC LONGITUDE = 104.30

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X F	X R	X F	X R	X R	X R	X R	X R
	AS.LONG	X R	X F	X R	X F	X R	X R	X R	X R	X R
3.50	AS. LAT	-1.9	X R	X R	X R	10.2	X R	X R	X R	16.3
	AS.LONG	774.7	X R	X R	X R	450.0	X R	X R	X R	492.5
4.50	AS. LAT	5.9	5.0	1.1	4.4	3.1	-1.9	-8.1	1.8	-1.3
	AS.LONG	286.2	279.2	312.0	277.8	266.5	260.0	340.2	269.5	251.0
5.50	AS. LAT	-15.8	-14.0	-8.2	-15.1	-18.8	-9.0	1.7	-14.1	-20.3
	AS.LONG	224.7	233.4	241.7	219.3	211.8	237.7	258.3	215.0	205.0
6.50	AS. LAT	-17.3	-18.6	-19.1	-17.6	-14.4	-22.3	-17.2	-18.0	-11.1
	AS.LONG	194.8	198.0	207.6	194.9	184.9	207.9	225.2	195.7	177.7
7.50	AS. LAT	-13.7	-11.6	-15.5	-15.9	-11.6	-12.7	-18.6	-18.0	-7.8
	AS.LONG	180.1	180.1	187.7	181.2	173.1	184.0	198.1	182.6	166.2
8.50	AS. LAT	-12.0	-9.1	-12.0	-13.4	-11.4	-5.5	-12.8	-14.4	-9.0
	AS.LONG	172.3	171.4	176.9	172.5	167.4	171.9	182.7	172.5	161.6
9.50	AS. LAT	-11.1	-9.7	-10.5	-10.4	-10.9	-4.7	-9.4	-9.2	-9.7
	AS.LONG	167.6	167.2	170.7	166.4	164.0	165.6	174.0	165.1	159.5
11.00	AS. LAT	-9.3	-11.0	-10.0	-5.5	-7.8	-8.4	-8.8	-1.6	-6.8
	AS.LONG	163.1	164.5	165.5	160.1	160.5	162.8	167.2	157.2	157.7
13.00	AS. LAT	-4.8	-10.0	-9.0	0.7	-0.4	-12.2	-10.7	5.8	2.1
	AS.LONG	159.3	162.9	161.7	154.4	157.6	163.6	163.7	149.5	156.4
15.00	AS. LAT	0.7	-5.9	-6.8	6.2	7.9	-11.8	-12.1	10.6	12.7
	AS.LONG	156.9	162.0	159.4	150.4	155.6	164.7	162.4	143.6	155.5
17.00	AS. LAT	6.3	-0.3	-3.7	10.8	15.6	-8.3	-12.2	13.7	22.4
	AS.LONG	155.1	161.6	157.8	147.2	153.9	165.6	161.6	139.0	154.3
19.00	AS. LAT	11.5	5.4	-0.3	14.6	22.3	-3.2	-11.2	15.7	30.7
	AS.LONG	153.6	161.4	156.6	144.4	152.1	166.7	161.0	135.2	152.6
25.00	AS. LAT	23.5	20.6	9.3	22.2	36.5	12.9	-5.2	18.5	47.6
	AS.LONG	149.7	161.1	154.3	138.0	145.7	170.0	159.7	127.5	143.7
35.00	AS. LAT	34.9	36.8	20.6	28.5	47.8	32.5	5.0	19.8	59.3
	AS.LONG	143.6	159.1	151.7	130.6	133.9	173.8	158.8	120.7	122.3
45.00	AS. LAT	40.9	46.1	27.5	31.4	52.3	44.6	12.4	20.1	61.4
	AS.LONG	138.3	156.0	149.4	125.7	123.5	175.5	158.3	117.1	103.3
55.00	AS. LAT	44.3	51.9	31.9	33.0	54.1	52.6	17.5	20.2	60.4
	AS.LONG	133.9	152.5	147.5	122.2	115.4	176.0	157.8	114.8	90.9
65.00	AS. LAT	46.4	55.8	35.0	33.9	54.7	58.2	21.2	20.3	58.8
	AS.LONG	130.4	149.0	145.8	119.8	109.4	175.9	157.3	113.3	83.2
75.00	AS. LAT	47.8	58.4	37.2	34.5	54.8	62.3	24.0	20.3	57.2
	AS.LONG	127.6	145.7	144.4	117.9	104.9	175.4	156.9	112.2	78.2
85.00	AS. LAT	48.8	60.4	38.9	34.9	54.7	65.5	26.2	20.3	55.7
	AS.LONG	125.2	142.7	143.2	116.4	101.5	174.7	156.5	111.3	74.8
95.00	AS. LAT	49.5	61.8	40.2	35.2	54.5	68.0	28.0	20.3	54.5
	AS.LONG	123.3	140.0	142.2	115.2	98.8	173.8	156.1	110.6	72.4
150.00	AS. LAT	51.1	65.5	44.0	35.8	53.2	75.6	33.4	20.3	50.1
	AS.LONG	116.7	129.2	138.4	111.4	90.9	167.5	154.7	108.6	66.2
250.00	AS. LAT	51.9	67.3	46.5	36.1	51.8	80.5	37.2	20.3	46.8
	AS.LONG	111.8	119.7	135.2	108.8	85.9	155.3	153.3	107.2	62.9
350.00	AS. LAT	52.1	67.8	47.5	36.2	51.1	82.2	38.8	20.3	45.3
	AS.LONG	109.7	115.1	133.7	107.6	83.9	145.2	152.6	106.6	61.7
450.00	AS. LAT	52.1	68.0	48.1	36.2	50.7	83.0	39.6	20.2	44.4
	AS.LONG	108.5	112.5	132.9	107.0	82.8	137.3	152.1	106.2	61.1
750.00	AS. LAT	52.2	68.2	48.8	36.2	50.1	83.9	40.9	20.2	43.2
	AS.LONG	106.8	108.8	131.6	106.1	81.4	123.0	151.5	105.8	60.3

KAMPALA,UGANDA

GEOGRAPHIC LATITUDE = 0.33 GEOGRAPHIC LONGITUDE = 32.56

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
11.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
13.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	7.8
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	177.6
15.00	AS. LAT	-4.8	-6.4	X R	X R	8.6	-4.1	X R	X R	11.9
	AS.LONG	356.9	263.4	X R	X R	165.9	324.7	X R	X R	131.5
17.00	AS. LAT	5.9	1.7	X R	7.2	11.4	-5.0	X R	-19.3	9.7
	AS.LONG	174.7	169.0	X R	194.6	133.4	172.7	X R	270.7	108.9
19.00	AS. LAT	10.4	8.9	-1.7	12.8	10.6	5.2	X R	16.3	7.2
	AS.LONG	145.2	142.4	205.2	155.9	115.0	145.5	X R	179.8	94.3
25.00	AS. LAT	10.4	16.1	11.1	6.2	6.8	20.4	3.0	6.3	2.0
	AS.LONG	107.0	106.0	135.4	113.1	85.9	110.1	182.8	124.3	69.3
35.00	AS. LAT	7.5	18.1	10.7	-1.9	3.1	28.1	11.7	-8.4	-1.7
	AS.LONG	82.1	80.8	103.1	87.6	64.5	84.2	129.9	97.3	49.3
45.00	AS. LAT	5.6	18.2	9.3	-6.0	1.3	30.6	11.7	-15.5	-3.3
	AS.LONG	70.1	68.4	89.0	75.4	53.5	70.6	111.3	84.5	38.6
55.00	AS. LAT	4.5	18.1	8.3	-8.3	0.3	31.6	11.1	-19.4	-4.1
	AS.LONG	62.9	60.8	80.8	67.9	46.7	62.2	101.1	76.5	31.9
65.00	AS. LAT	3.7	17.9	7.5	-9.7	-0.3	32.1	10.5	-21.9	-4.5
	AS.LONG	58.0	55.8	75.4	62.9	42.1	56.4	94.6	71.0	27.2
75.00	AS. LAT	3.2	17.7	6.9	-10.7	-0.7	32.3	10.0	-23.5	-4.8
	AS.LONG	54.5	52.1	71.5	59.2	38.7	52.2	90.1	67.0	23.8
85.00	AS. LAT	2.8	17.6	6.5	-11.4	-1.0	32.4	9.6	-24.7	-5.0
	AS.LONG	51.9	49.4	68.6	56.4	36.1	49.0	86.8	63.8	21.1
95.00	AS. LAT	2.5	17.4	6.1	-11.9	-1.2	32.5	9.2	-25.6	-5.1
	AS.LONG	49.8	47.2	66.4	54.2	34.1	46.5	84.2	61.3	19.1
150.00	AS. LAT	1.6	17.0	5.1	-13.4	-1.9	32.4	8.1	-28.0	-5.4
	AS.LONG	43.4	40.6	59.6	47.4	27.8	38.7	76.5	53.4	12.5
250.00	AS. LAT	1.1	16.6	[illegible]	-14.2	-2.2	32.2	7.3	-29.3	-5.5
	AS.LONG	39.0	36.0	55.0	42.7	23.4	33.4	71.4	47.9	8.0
350.00	AS. LAT	0.8	16.4	4.1	-14.6	-2.4	32.1	7.0	-29.9	-5.6
	AS.LONG	37.2	34.1	53.0	40.7	21.5	31.2	69.3	45.5	6.0
450.00	AS. LAT	0.7	16.3	3.9	-14.8	-2.5	32.0	6.8	-30.1	-5.6
	AS.LONG	36.1	33.0	52.0	39.6	20.5	29.9	68.1	44.2	4.9
750.00	AS. LAT	0.5	16.2	3.7	-15.0	-2.6	31.8	6.5	-30.5	-5.6
	AS.LONG	34.7	31.5	50.5	38.0	19.0	28.2	66.5	42.3	3.4

KERGUELEN ISLANDS, INDIAN OCEAN

GEOGRAPHIC LATITUDE = -49.35 GEOGRAPHIC LONGITUDE = 70.22

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X F	X R	X F	X F	X F	X F	X F	X F
	AS.LONG	X R	X F	X R	X F	X F	X F	X F	X F	X F
1.50	AS. LAT	-6.9	-9.0	-20.1	-11.5	-2.2	-11.9	-19.2	-6.6	3.7
	AS.LONG	202.2	204.2	224.4	209.0	194.5	208.1	222.9	199.1	187.1
2.50	AS. LAT	28.9	29.7	30.4	29.1	28.9	30.7	31.4	32.6	28.2
	AS.LONG	126.9	127.7	134.0	128.4	123.1	129.2	143.1	135.1	118.9
3.50	AS. LAT	21.8	23.3	26.3	22.5	19.4	25.4	30.8	27.6	16.9
	AS.LONG	107.3	106.9	113.1	109.7	102.9	106.9	117.0	112.5	99.3
4.50	AS. LAT	18.0	16.4	17.2	17.3	16.4	14.0	14.1	11.4	14.9
	AS.LONG	97.2	95.8	97.5	96.6	96.4	94.0	99.7	95.3	95.1
5.50	AS. LAT	12.3	12.5	18.3	14.3	6.6	12.8	20.6	17.4	1.9
	AS.LONG	95.9	92.8	97.8	98.3	93.0	89.3	96.6	97.6	90.9
6.50	AS. LAT	3.1	5.8	8.7	2.0	-0.5	9.0	17.3	5.5	-4.2
	AS.LONG	92.2	90.3	96.6	95.4	87.9	88.5	59.6	99.4	84.3
7.50	AS. LAT	-2.0	0.2	-0.2	-4.9	-2.8	2.6	5.6	-6.7	-4.3
	AS.LONG	87.8	87.3	92.2	89.5	84.3	87.0	97.7	94.4	80.9
8.50	AS. LAT	-3.5	-3.3	-4.1	-5.7	-3.4	-3.3	-3.1	-10.4	-4.0
	AS.LONG	84.5	84.4	87.3	84.9	82.8	84.6	92.6	87.4	80.7
9.50	AS. LAT	-3.5	-5.4	-4.3	-3.9	-4.2	-7.7	-6.3	-8.4	-5.1
	AS.LONG	82.9	82.2	83.6	83.0	82.7	81.6	86.8	83.2	82.0
11.00	AS. LAT	-3.5	-7.2	-2.1	-1.3	-6.5	-11.5	-4.4	-2.8	-9.2
	AS.LONG	82.5	79.9	81.3	83.5	83.7	77.2	81.1	82.5	84.3
13.00	AS. LAT	-4.7	-8.9	0.5	-0.7	-11.1	-13.3	1.7	1.4	-16.6
	AS.LONG	83.6	78.3	81.8	86.8	85.0	72.7	79.4	86.8	86.4
15.00	AS. LAT	-7.1	-10.4	1.3	-2.9	-16.1	-13.5	6.6	1.4	-23.9
	AS.LONG	84.9	77.6	83.7	90.3	85.8	69.6	81.3	92.2	87.0
17.00	AS. LAT	-9.9	-11.9	0.7	-6.3	-20.7	-13.2	9.2	-1.0	-30.2
	AS.LONG	86.1	77.1	85.8	93.2	85.9	67.7	84.1	97.1	86.3
19.00	AS. LAT	-12.9	-13.4	-0.6	-10.1	-24.8	-12.9	10.1	-4.7	-35.5
	AS.LONG	86.9	76.8	87.6	95.6	85.6	66.5	87.0	101.2	84.8
25.00	AS. LAT	-20.5	-17.2	-6.4	-20.7	-33.8	-12.3	7.8	-16.7	-45.8
	AS.LONG	87.8	76.0	91.6	99.6	82.9	64.9	93.7	109.5	77.5
35.00	AS. LAT	-28.9	-21.6	-14.8	-32.8	-41.7	-12.5	0.5	-31.7	-52.7
	AS.LONG	87.1	74.7	94.5	101.6	77.2	64.1	99.9	116.1	64.1
45.00	AS. LAT	-33.9	-24.2	-20.5	-40.3	-45.4	-13.1	-5.5	-41.4	-54.5
	AS.LONG	85.7	73.5	95.6	101.3	72.2	63.9	103.0	119.1	53.9
55.00	AS. LAT	-37.1	-26.0	-24.4	-45.1	-47.4	-13.6	-9.9	-47.8	-54.6
	AS.LONG	84.2	72.6	95.9	100.3	68.2	63.8	104.7	120.5	47.0
65.00	AS. LAT	-39.2	-27.2	-27.2	-48.5	-48.6	-14.1	-13.3	-52.4	-54.2
	AS.LONG	82.9	71.8	96.0	99.1	65.1	63.6	105.8	121.2	42.2
75.00	AS. LAT	-40.8	-28.1	-29.3	-50.9	-49.3	-14.5	-15.8	-55.9	-53.7
	AS.LONG	81.7	71.2	95.9	97.9	62.7	63.6	106.5	121.5	38.9
85.00	AS. LAT	-41.9	-28.8	-31.0	-52.7	-49.7	-14.8	-17.8	-58.5	-53.2
	AS.LONG	80.8	70.7	95.7	96.8	60.8	63.5	107.0	121.6	36.4
95.00	AS. LAT	-42.8	-29.4	-32.3	-54.2	-50.0	-15.1	-19.5	-60.6	-52.7
	AS.LONG	79.9	70.2	95.6	95.7	59.2	63.4	107.3	121.5	34.5
150.00	AS. LAT	-45.4	-31.0	-36.3	-58.4	-50.6	-16.0	-24.7	-67.2	-50.8
	AS.LONG	76.9	68.8	94.7	91.4	54.2	63.2	108.2	120.2	29.1
250.00	AS. LAT	-47.1	-32.1	-39.2	-61.1	-50.8	-16.7	-28.4	-71.7	-49.2
	AS.LONG	74.4	67.6	93.8	87.3	50.6	63.0	108.5	117.7	25.9
350.00	AS. LAT	-47.8	-32.5	-40.4	-62.2	-50.7	-17.0	-30.0	-73.6	-48.4
	AS.LONG	73.3	67.1	93.3	85.2	49.1	62.9	108.6	115.9	24.6
450.00	AS. LAT	-48.1	-32.8	-41.0	-62.8	-50.7	-17.2	-30.9	-74.6	-48.0
	AS.LONG	72.6	66.8	93.0	83.9	48.2	62.8	108.7	114.6	24.0
750.00	AS. LAT	-48.6	-33.1	-42.0	-63.6	-50.6	-17.5	-32.2	-76.1	-47.4
	AS.LONG	71.7	66.3	92.6	82.0	47.0	62.7	108.7	112.4	23.1

KIEL,GERMANY

GEOGRAPHIC LATITUDE = 54.33 GEOGRAPHIC LONGITUDE = 10.13

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X F	X F	X F	X F	X F	X R	X F	X F	X F
	AS.LONG	X F	X F	X F	X F	X F	X R	X F	X F	X F
2.50	AS. LAT	10.1	-5.4	X R	15.0	8.2	0.3	1.0	-7.6	16.0
	AS.LONG	464.4	255.9	X R	458.6	229.5	392.8	853.4	372.7	189.0
3.50	AS. LAT	-6.6	-8.1	-4.8	-5.8	-7.7	-8.1	3.4	-4.9	-8.0
	AS.LONG	124.1	124.5	136.1	127.6	115.3	133.6	155.6	131.8	107.2
4.50	AS. LAT	-11.6	-11.2	-10.0	-10.6	-11.8	-7.4	-7.5	-9.3	-11.8
	AS.LONG	101.6	100.2	106.0	99.9	96.3	93.1	107.2	97.6	92.1
5.50	AS. LAT	-7.5	-9.4	-11.9	-8.1	-3.1	-12.9	-13.6	-9.1	0.5
	AS.LONG	86.5	89.3	94.9	85.2	79.7	91.4	102.7	84.5	75.4
6.50	AS. LAT	-0.3	1.8	-4.0	-3.5	2.6	-0.9	-10.2	-6.8	6.3
	AS.LONG	74.9	76.5	82.2	75.5	68.7	81.3	91.4	76.9	63.4
7.50	AS. LAT	2.4	6.5	1.8	-0.1	3.2	10.2	-0.9	-2.2	5.2
	AS.LONG	67.6	67.1	72.8	69.1	63.2	70.3	80.0	70.7	58.4
8.50	AS. LAT	2.9	5.8	3.3	2.4	3.3	12.0	4.0	2.5	4.4
	AS.LONG	63.8	62.1	66.7	64.8	61.0	61.7	71.4	65.5	57.4
9.50	AS. LAT	3.1	3.9	2.8	4.5	4.6	9.1	4.4	6.5	5.9
	AS.LONG	61.9	60.5	63.5	61.7	60.2	57.9	65.7	61.1	57.8
11.00	AS. LAT	4.7	2.8	1.5	7.6	8.7	4.3	1.4	10.6	11.7
	AS.LONG	60.7	60.9	61.6	58.5	59.8	58.1	62.1	55.7	58.7
13.00	AS. LAT	8.7	5.2	1.5	11.5	16.0	2.7	-2.6	13.8	21.6
	AS.LONG	60.1	62.8	61.3	55.5	59.3	62.0	61.9	50.2	59.0
15.00	AS. LAT	13.6	10.2	3.5	15.1	23.3	5.6	-4.4	15.5	31.0
	AS.LONG	59.7	64.6	61.7	53.1	58.2	66.0	63.3	46.2	57.8
17.00	AS. LAT	18.4	15.9	6.5	18.3	29.6	10.7	-4.2	16.5	38.8
	AS.LONG	59.1	65.9	62.0	51.0	56.4	69.6	64.7	43.2	55.2
19.00	AS. LAT	22.8	21.4	9.8	20.9	34.8	16.4	-2.7	17.2	45.0
	AS.LONG	58.3	66.8	62.3	49.2	54.3	72.5	65.8	40.9	51.4
25.00	AS. LAT	32.9	35.2	19.1	26.7	45.2	32.1	4.2	18.5	55.8
	AS.LONG	55.2	67.6	62.4	44.5	46.2	78.7	68.2	36.4	35.9
35.00	AS. LAT	42.4	49.2	29.8	31.8	52.3	49.7	15.0	19.7	59.2
	AS.LONG	49.0	64.8	61.3	38.8	32.5	83.7	70.2	32.4	11.1
45.00	AS. LAT	47.1	57.0	36.2	34.3	54.3	60.4	22.5	20.5	57.2
	AS.LONG	43.5	59.9	59.5	34.9	22.1	85.5	70.9	30.2	-2.9
55.00	AS. LAT	49.7	61.7	40.4	35.7	54.6	67.4	27.6	21.0	54.5
	AS.LONG	39.0	54.4	57.7	32.1	14.9	85.5	71.1	28.7	-10.4
65.00	AS. LAT	51.3	64.6	43.2	36.5	54.3	72.3	31.3	21.4	52.2
	AS.LONG	35.4	49.0	56.1	30.0	10.0	84.4	71.0	27.7	-14.7
75.00	AS. LAT	52.3	66.4	45.3	37.1	53.8	75.9	34.1	21.6	50.4
	AS.LONG	32.4	44.0	54.6	28.4	6.4	82.3	70.8	26.9	-17.4
85.00	AS. LAT	52.9	67.7	46.8	37.5	53.3	78.6	36.3	21.8	48.8
	AS.LONG	30.1	39.5	53.4	27.2	3.8	79.3	70.6	26.3	-19.3
95.00	AS. LAT	53.4	68.5	48.0	37.7	52.9	80.7	38.0	22.0	47.6
	AS.LONG	28.1	35.6	52.3	26.1	1.8	75.3	70.4	25.8	-20.6
150.00	AS. LAT	54.3	70.1	51.6	38.4	51.0	85.8	43.3	22.5	43.4
	AS.LONG	21.7	21.2	48.2	22.9	-3.9	31.9	69.3	24.2	-24.0
250.00	AS. LAT	54.6	70.2	53.8	38.8	49.4	84.7	47.0	22.9	40.4
	AS.LONG	17.1	10.3	44.7	20.6	-7.4	-27.7	68.0	23.1	-25.7
350.00	AS. LAT	54.6	70.0	54.7	38.8	48.6	83.1	48.6	23.1	39.1
	AS.LONG	15.1	5.7	43.0	19.6	-8.8	-40.1	67.3	22.6	-26.4
450.00	AS. LAT	54.5	69.8	55.1	38.9	48.2	82.1	49.5	23.1	38.3
	AS.LONG	13.9	3.3	42.0	19.0	-9.6	-44.6	66.9	22.4	-26.7
750.00	AS. LAT	54.5	69.4	55.7	38.9	47.5	80.6	50.7	23.3	37.3
	AS.LONG	12.4	0.0	40.5	18.2	-10.6	-49.1	66.3	22.0	-27.1

KIRUNA,SWEDEN

GEOGRAPHIC LATITUDE = 67.83 GEOGRAPHIC LONGITUDE = 20.43

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-9.9	-10.2	-9.5	-9.8	-9.9	-10.6	-9.5	-9.3	-10.6
	AS.LONG	128.2	129.4	132.1	129.2	125.1	128.2	133.5	129.0	124.2
1.50	AS. LAT	-3.6	-3.3	-3.7	-3.2	-2.2	-0.3	-3.2	-2.2	-2.4
	AS.LONG	91.7	90.9	92.1	91.0	90.3	91.0	94.5	90.2	89.4
2.50	AS. LAT	10.5	9.7	7.0	9.3	13.1	8.6	6.6	8.6	15.1
	AS.LONG	76.5	77.9	78.1	75.4	74.4	75.8	76.4	73.8	73.8
3.50	AS. LAT	18.2	17.5	14.1	17.0	21.6	15.5	12.6	16.5	24.2
	AS.LONG	70.9	72.9	72.1	68.9	69.0	71.4	70.2	66.4	68.5
4.50	AS. LAT	23.9	25.5	24.4	24.1	24.3	30.1	24.2	23.8	24.8
	AS.LONG	64.9	64.3	65.9	65.2	64.5	65.9	70.1	65.9	62.7
5.50	AS. LAT	26.4	25.2	22.2	26.6	30.7	24.1	21.3	27.3	33.6
	AS.LONG	65.4	67.5	64.9	61.8	64.9	65.9	62.7	58.4	65.2
6.50	AS. LAT	32.1	33.5	26.7	29.0	36.4	31.1	20.2	26.0	40.7
	AS.LONG	64.5	68.8	67.8	61.2	60.6	72.8	68.2	57.7	57.8
7.50	AS. LAT	36.0	39.7	33.4	32.2	37.7	41.5	27.7	28.2	40.3
	AS.LONG	61.3	63.9	66.4	60.5	56.6	70.4	71.0	59.5	51.9
8.50	AS. LAT	37.5	40.8	37.3	35.2	37.7	45.5	35.2	32.6	38.6
	AS.LONG	58.4	58.4	62.1	59.1	55.5	61.9	68.1	59.8	51.5
9.50	AS. LAT	37.8	39.5	38.1	37.6	38.1	44.0	38.8	36.9	38.5
	AS.LONG	56.7	55.9	57.9	57.3	56.1	55.8	62.1	58.2	54.0
11.00	AS. LAT	38.2	37.5	36.8	39.8	40.2	39.4	37.8	41.4	41.5
	AS.LONG	56.3	56.6	54.6	54.6	58.0	54.8	54.5	53.4	58.5
13.00	AS. LAT	39.4	37.3	34.7	41.5	44.6	36.1	32.6	43.4	48.2
	AS.LONG	57.4	60.9	54.6	51.8	60.1	60.6	51.7	46.4	62.7
15.00	AS. LAT	41.5	39.3	33.9	42.5	49.2	36.4	28.4	42.9	55.2
	AS.LONG	58.8	65.6	56.7	49.9	60.8	68.0	53.5	41.2	64.0
17.00	AS. LAT	43.9	42.3	34.2	43.3	53.4	38.7	26.1	41.6	61.3
	AS.LONG	59.9	69.7	59.2	48.5	60.2	74.9	56.8	37.9	62.3
19.00	AS. LAT	46.3	45.6	35.3	43.9	56.9	41.8	25.2	40.2	66.1
	AS.LONG	60.6	73.0	61.5	47.5	58.5	81.0	60.2	36.2	57.7
25.00	AS. LAT	52.3	54.7	39.7	45.6	63.7	51.5	26.7	37.1	73.1
	AS.LONG	60.6	79.3	66.7	45.5	49.5	95.4	69.0	34.6	30.9
35.00	AS. LAT	58.6	65.2	46.4	47.5	67.4	63.2	32.4	35.0	70.3
	AS.LONG	57.5	82.9	71.1	43.3	32.5	112.2	77.8	35.1	-3.9
45.00	AS. LAT	62.0	71.6	51.1	48.7	67.4	70.5	37.3	34.6	65.4
	AS.LONG	53.4	82.0	72.9	41.8	20.7	125.9	83.0	35.9	-14.5
55.00	AS. LAT	64.0	75.7	54.3	49.5	66.6	75.0	41.0	34.5	61.6
	AS.LONG	49.6	78.5	73.6	40.6	13.4	139.0	86.2	36.5	-18.2
65.00	AS. LAT	65.2	78.4	56.7	50.1	65.7	77.8	43.7	34.7	58.9
	AS.LONG	46.3	73.3	73.7	39.7	8.9	152.2	88.4	36.9	-19.7
75.00	AS. LAT	66.0	80.2	58.4	50.5	64.9	79.5	45.9	34.9	56.8
	AS.LONG	43.5	66.8	73.7	39.0	6.0	165.4	90.0	37.2	-20.4
85.00	AS. LAT	66.5	81.5	59.8	50.8	64.1	78.4	47.6	35.0	55.3
	AS.LONG	41.2	59.5	73.5	38.4	3.9	162.9	91.2	37.5	-20.7
95.00	AS. LAT	66.9	82.3	60.9	51.1	63.5	80.9	48.9	35.2	54.0
	AS.LONG	39.3	51.9	73.2	37.9	2.4	-170.5	92.2	37.6	-20.9
150.00	AS. LAT	67.7	83.3	64.3	51.8	61.4	80.3	53.4	35.9	50.2
	AS.LONG	32.7	18.4	71.7	36.2	-1.5	-133.3	95.1	38.1	-21.0
250.00	AS. LAT	67.9	82.3	66.6	52.3	59.8	78.3	56.6	36.4	47.5
	AS.LONG	27.8	-3.8	69.9	35.0	-3.7	-113.3	97.0	38.4	-20.6
350.00	AS. LAT	68.0	81.5	67.5	52.5	59.1	77.2	58.0	36.7	46.4
	AS.LONG	25.7	-10.9	68.9	34.4	-4.5	-106.7	97.8	38.6	-20.4
450.00	AS. LAT	67.9	81.0	68.1	52.6	58.7	76.5	58.8	36.9	45.8
	AS.LONG	24.5	-14.2	68.3	34.1	-4.9	-103.4	98.2	38.6	-20.3
750.00	AS. LAT	67.9	80.2	68.8	52.7	58.1	75.6	59.9	37.1	44.9
	AS.LONG	22.9	-18.2	67.2	33.6	-5.5	-99.2	98.8	38.7	-20.1

LAE,NEW GUINEA

GEOGRAPHIC LATITUDE = -6.73 GEOGRAPHIC LONGITUDE = 147.00

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
11.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
13.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	-18.9
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	347.3
15.00	AS. LAT	X R	X R	X R	X R	-7.3	X R	X R	X R	4.0
	AS.LONG	X R	X R	X R	X R	305.9	X R	X R	X R	267.6
17.00	AS. LAT	-8.1	-11.7	X R	-14.5	3.9	-20.0	X R	X R	4.3
	AS.LONG	308.5	301.6	X R	336.5	263.9	309.4	X R	X R	239.6
19.00	AS. LAT	2.6	-0.2	-17.0	4.8	4.2	-6.0	X R	-0.1	1.6
	AS.LONG	272.4	268.9	339.9	285.0	242.3	272.8	X R	313.2	222.5
25.00	AS. LAT	2.7	7.3	4.4	0.2	-0.8	10.7	-4.5	3.0	-4.7
	AS.LONG	229.9	228.8	257.3	236.5	209.7	233.2	303.4	248.5	193.7
35.00	AS. LAT	-2.3	8.0	1.1	-11.1	-5.4	17.7	4.1	-16.0	-8.2
	AS.LONG	202.8	202.3	223.1	208.3	185.5	206.8	248.6	218.7	170.5
45.00	AS. LAT	-4.7	7.8	-2.0	-16.5	-6.9	20.0	1.3	-25.4	-8.7
	AS.LONG	189.6	189.4	208.1	194.1	173.0	193.6	229.5	203.8	158.1
55.00	AS. LAT	-5.9	7.8	-3.8	-19.1	-7.4	21.2	-1.0	-30.4	-8.5
	AS.LONG	181.6	181.7	199.3	185.2	165.2	185.6	219.0	193.8	150.2
65.00	AS. LAT	-6.6	7.8	-5.0	-20.6	-7.5	21.9	-2.6	-33.3	-8.0
	AS.LONG	176.1	176.5	193.5	179.0	159.9	180.1	212.3	186.5	144.9
75.00	AS. LAT	-6.9	7.8	-5.8	-21.5	-7.4	22.4	-3.8	-35.1	-7.6
	AS.LONG	172.1	172.7	189.2	174.5	156.0	176.2	207.6	181.0	140.9
85.00	AS. LAT	-7.1	7.9	-6.3	-22.0	-7.3	22.7	-4.6	-36.2	-7.1
	AS.LONG	169.1	169.9	186.1	171.0	153.1	173.2	204.1	176.6	137.9
95.00	AS. LAT	-7.2	8.0	-6.7	-22.4	-7.2	23.0	-5.3	-37.0	-6.7
	AS.LONG	166.8	167.6	183.6	168.2	150.7	170.9	201.3	173.1	135.5
150.00	AS. LAT	-7.3	8.3	-7.6	-23.1	-6.5	23.8	-7.1	-38.6	-5.3
	AS.LONG	159.4	160.7	175.9	159.6	143.5	163.6	193.0	161.8	128.1
250.00	AS. LAT	-7.2	8.5	-8.1	-23.1	-5.8	24.3	-8.2	-39.0	-4.0
	AS.LONG	154.4	156.0	170.7	153.7	138.5	158.6	187.4	153.9	123.0
350.00	AS. LAT	-7.1	8.7	-8.2	-23.0	-5.4	24.5	-8.6	-39.0	-3.4
	AS.LONG	152.3	154.0	168.5	151.1	136.4	156.5	185.0	150.5	120.8
450.00	AS. LAT	-7.0	8.8	-8.3	-22.9	-5.2	24.6	-8.8	-38.9	-3.1
	AS.LONG	151.1	152.9	167.3	149.7	135.2	155.3	183.7	148.6	119.5
750.00	AS. LAT	-6.9	8.9	-8.3	-22.8	-4.9	24.7	-9.1	-38.7	-2.6
	AS.LONG	149.4	151.3	165.6	147.7	133.5	153.7	181.9	146.0	117.8

LEECS, ENGLAND

GEOGRAPHIC LATITUDE = 53.82 GEOGRAPHIC LONGITUDE = -1.55

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X F	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X F	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X F	X F	X F	X R	X F	X F
	AS.LONG	X R	X R	X R	X F	X F	X F	X R	X F	X F
2.50	AS. LAT	17.2	14.6	10.4	17.2	14.6	15.3	X R	16.0	7.8
	AS.LONG	185.9	177.2	220.6	197.4	165.1	215.6	X R	206.3	146.6
3.50	AS. LAT	-8.3	-9.4	-7.6	-8.3	-8.6	-10.5	-3.1	-8.3	-8.0
	AS.LONG	105.5	106.8	116.0	108.0	97.4	115.6	132.1	111.1	90.2
4.50	AS. LAT	-11.6	-11.2	-10.6	-10.4	-11.3	-6.7	-8.1	-9.0	-11.2
	AS.LONG	86.6	85.4	90.7	84.7	81.8	79.0	92.2	82.2	77.8
5.50	AS. LAT	-6.3	-8.4	-11.0	-6.7	-1.7	-12.2	-13.7	-7.8	1.7
	AS.LONG	73.4	76.6	81.1	71.5	67.2	78.4	88.4	70.3	63.5
6.50	AS. LAT	0.9	2.9	-2.8	-2.2	4.1	-0.2	-8.9	-5.5	8.1
	AS.LONG	62.6	64.7	69.7	62.8	56.6	70.0	78.3	63.6	51.6
7.50	AS. LAT	3.4	7.5	2.6	0.8	4.4	10.9	0.1	-1.2	6.8
	AS.LONG	55.8	55.6	61.0	57.1	51.3	59.4	68.0	58.4	46.3
8.50	AS. LAT	3.6	6.5	3.9	3.1	4.2	12.9	4.6	3.4	5.5
	AS.LONG	52.3	50.8	55.4	53.3	49.4	50.8	59.9	53.8	45.6
9.50	AS. LAT	3.7	4.5	3.2	5.3	5.3	9.8	4.6	7.4	6.6
	AS.LONG	50.8	49.4	52.4	50.6	48.9	46.9	54.6	49.8	46.3
11.00	AS. LAT	5.3	3.2	2.0	8.5	9.3	4.7	1.5	11.7	12.0
	AS.LONG	49.9	50.0	50.8	47.7	48.9	47.2	51.4	44.7	47.7
13.00	AS. LAT	9.4	5.6	2.2	12.6	16.6	2.8	-2.3	15.2	21.8
	AS.LONG	49.5	52.2	50.7	44.8	48.7	51.2	51.4	39.4	48.5
15.00	AS. LAT	14.4	10.5	4.4	16.4	24.0	5.5	-3.9	17.2	31.3
	AS.LONG	49.2	54.1	51.1	42.4	47.8	55.4	52.8	35.3	47.6
17.00	AS. LAT	19.3	16.2	7.4	19.7	30.4	10.5	-3.5	18.3	39.4
	AS.LONG	48.6	55.5	51.5	40.3	46.2	59.0	54.2	32.2	45.3
19.00	AS. LAT	23.8	21.8	10.8	22.4	35.7	16.3	-1.9	19.0	45.8
	AS.LONG	47.8	56.5	51.7	38.4	44.0	62.0	55.3	29.7	41.6
25.00	AS. LAT	33.9	35.7	20.0	28.1	46.3	32.0	5.0	20.2	57.0
	AS.LONG	44.4	57.1	51.7	33.4	35.6	68.3	57.5	24.9	25.7
35.00	AS. LAT	43.2	49.8	30.5	32.9	53.3	49.8	15.7	21.0	60.4
	AS.LONG	37.9	54.1	50.2	27.3	21.2	73.3	59.2	20.6	-0.4
45.00	AS. LAT	47.8	57.5	36.8	35.1	55.1	60.5	23.0	21.4	58.0
	AS.LONG	32.1	49.0	48.2	23.2	10.3	75.0	59.7	18.3	-15.2
55.00	AS. LAT	50.3	62.1	40.8	36.3	55.2	67.5	28.1	21.7	55.2
	AS.LONG	27.3	43.2	46.2	20.3	2.9	75.0	59.7	16.7	-22.8
65.00	AS. LAT	51.7	64.9	43.6	37.0	54.7	72.4	31.7	21.9	52.7
	AS.LONG	23.6	37.6	44.5	18.1	-2.0	73.8	59.6	15.7	-27.1
75.00	AS. LAT	52.6	66.7	45.6	37.4	54.1	76.0	34.4	22.0	50.7
	AS.LONG	20.6	32.4	43.0	16.5	-5.6	71.5	59.3	14.9	-29.8
85.00	AS. LAT	53.1	67.9	47.0	37.7	53.5	78.6	36.5	22.1	49.1
	AS.LONG	18.2	27.8	41.6	15.2	-8.2	68.3	59.0	14.3	-31.5
95.00	AS. LAT	53.5	68.6	48.2	37.9	53.0	80.7	38.1	22.2	47.8
	AS.LONG	16.2	23.7	40.5	14.2	-10.2	64.0	58.7	13.8	-32.8
150.00	AS. LAT	54.2	70.0	51.5	38.3	50.9	85.7	43.3	22.5	43.4
	AS.LONG	9.8	9.3	36.2	11.0	-15.8	19.6	57.4	12.3	-35.9
250.00	AS. LAT	54.3	69.9	53.5	38.5	49.1	84.5	46.9	22.7	40.2
	AS.LONG	5.2	-1.3	32.6	8.7	-19.2	-37.5	56.0	11.2	-37.5
350.00	AS. LAT	54.2	69.6	54.3	38.5	48.3	82.9	48.4	22.7	38.9
	AS.LONG	3.2	-5.8	30.9	7.7	-20.5	-49.6	55.2	10.7	-38.1
450.00	AS. LAT	54.1	69.4	54.8	38.5	47.8	81.9	49.2	22.8	38.1
	AS.LONG	2.1	-8.2	29.9	7.1	-21.2	-54.0	54.7	10.5	-38.4
750.00	AS. LAT	54.0	69.0	55.3	38.5	47.2	80.5	50.4	22.8	37.0
	AS.LONG	0.6	-11.4	28.5	6.4	-22.2	-58.4	54.0	10.1	-38.8

LERWICK,SCOTLAND

GEOGRAPHIC LATITUDE = 60.15 GEOGRAPHIC LONGITUDE = -1.15

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X F	X F	X F	X R	X R	X F	X R	X F	X R
	AS.LONG	X F	X F	X F	X R	X R	X F	X R	X F	X R
1.50	AS. LAT	0.3	2.1	5.5	1.6	-2.3	-0.9	8.4	3.2	-4.4
	AS.LONG	137.8	141.8	148.6	139.0	130.4	131.7	150.4	140.8	127.8
2.50	AS. LAT	-7.2	-7.8	-9.2	-8.4	-5.8	-11.0	-11.8	-9.7	-3.8
	AS.LONG	80.7	82.6	86.1	81.5	76.6	84.7	92.0	82.5	73.6
3.50	AS. LAT	0.1	-0.6	-3.7	-1.4	3.1	-4.9	-8.1	-3.2	5.9
	AS.LONG	65.6	68.0	70.2	64.9	61.8	69.0	73.5	64.5	59.7
4.50	AS. LAT	3.6	4.7	3.5	4.7	4.7	10.4	5.2	6.0	5.5
	AS.LONG	56.8	55.5	57.6	56.4	55.6	54.6	59.5	55.8	53.3
5.50	AS. LAT	9.2	7.2	3.7	9.1	14.2	4.4	0.1	8.8	17.4
	AS.LONG	54.9	57.2	57.2	51.9	52.5	56.0	57.3	48.8	51.6
6.50	AS. LAT	16.6	18.2	11.6	13.3	20.6	14.8	4.4	9.9	25.1
	AS.LONG	50.4	53.9	55.2	48.6	45.9	58.4	59.2	47.1	42.6
7.50	AS. LAT	19.9	23.8	18.1	16.7	21.5	26.1	13.9	13.5	24.3
	AS.LONG	45.6	47.0	50.4	45.8	41.3	52.6	56.3	46.2	36.9
8.50	AS. LAT	20.5	23.7	20.5	19.2	21.0	29.3	20.0	18.1	22.4
	AS.LONG	42.7	42.0	45.6	43.6	40.1	44.2	50.5	44.6	36.5
9.50	AS. LAT	20.6	21.8	20.3	21.3	21.5	26.9	21.4	22.2	22.5
	AS.LONG	41.5	40.4	42.4	41.9	40.6	39.3	45.0	42.1	38.4
11.00	AS. LAT	21.3	19.9	18.8	23.9	24.4	21.8	18.8	26.5	26.3
	AS.LONG	41.7	41.6	40.8	39.9	42.3	39.0	40.3	37.9	41.9
13.00	AS. LAT	24.0	20.8	17.8	26.8	30.1	18.8	14.1	29.3	34.3
	AS.LONG	42.8	45.3	41.6	38.0	43.9	44.1	39.8	32.6	45.0
15.00	AS. LAT	27.5	24.2	18.5	29.3	36.2	20.1	11.3	30.2	42.7
	AS.LONG	43.7	49.0	43.2	36.3	44.3	50.1	41.9	28.5	45.7
17.00	AS. LAT	31.3	28.6	20.3	31.5	41.6	23.7	10.4	30.3	49.9
	AS.LONG	44.2	51.9	44.9	34.8	43.5	55.5	44.5	25.6	44.2
19.00	AS. LAT	34.8	33.1	22.6	33.3	46.1	28.2	10.8	30.0	55.7
	AS.LONG	44.3	54.1	46.4	33.4	41.8	60.1	47.0	23.5	40.7
25.00	AS. LAT	43.0	44.8	29.6	37.1	55.1	41.1	15.3	29.1	65.6
	AS.LONG	42.6	57.6	48.9	29.8	33.6	70.2	52.7	20.0	21.8
35.00	AS. LAT	50.9	57.3	38.3	40.4	60.7	56.5	23.7	28.4	66.5
	AS.LONG	37.5	57.2	50.1	25.2	17.9	80.1	57.9	17.6	-9.8
45.00	AS. LAT	54.9	64.5	43.8	42.1	61.6	65.9	29.9	28.2	62.7
	AS.LONG	32.2	53.4	49.6	22.1	6.2	86.5	60.4	16.6	-24.3
55.00	AS. LAT	57.1	68.9	47.5	43.0	61.2	72.2	34.4	28.3	59.1
	AS.LONG	27.7	48.0	48.7	19.8	-1.2	91.4	61.8	16.0	-30.6
65.00	AS. LAT	58.4	71.6	50.1	43.5	60.4	76.6	37.6	28.3	56.3
	AS.LONG	24.1	42.1	47.6	18.1	-6.2	95.9	62.6	15.5	-33.7
75.00	AS. LAT	59.1	73.4	51.9	43.9	59.6	79.9	40.1	28.4	54.1
	AS.LONG	21.1	36.1	46.6	16.9	-9.6	100.5	63.2	15.2	-35.5
85.00	AS. LAT	59.6	74.5	53.3	44.1	58.9	82.4	42.0	28.5	52.4
	AS.LONG	18.7	30.5	45.7	15.9	-12.0	105.8	63.5	15.0	-36.6
95.00	AS. LAT	59.9	75.2	54.4	44.3	58.2	84.3	43.6	28.5	51.1
	AS.LONG	16.7	25.4	44.8	15.1	-13.8	112.4	63.7	14.8	-37.3
150.00	AS. LAT	60.6	76.4	57.7	44.7	55.9	87.6	48.5	28.8	46.7
	AS.LONG	10.3	6.4	41.4	12.5	-18.7	-149.5	64.0	14.2	-38.9
250.00	AS. LAT	60.6	75.9	59.9	44.9	54.1	84.1	52.0	29.1	43.6
	AS.LONG	5.6	-7.3	38.3	10.6	-21.5	-105.2	63.8	13.7	-39.5
350.00	AS. LAT	60.5	75.4	60.7	45.0	53.3	82.3	53.5	29.2	42.3
	AS.LONG	3.7	-12.7	36.7	9.8	-22.6	-99.2	63.6	13.5	-39.7
450.00	AS. LAT	60.5	75.1	61.2	45.0	52.8	81.3	54.3	29.3	41.6
	AS.LONG	2.6	-15.5	35.8	9.4	-23.1	-96.8	63.4	13.4	-39.7
750.00	AS. LAT	60.3	74.5	61.8	45.0	52.1	79.9	55.5	29.4	40.5
	AS.LONG	1.0	-19.2	34.4	8.7	-23.8	-94.1	63.2	13.2	-39.8

LINDAU,GERMANY

GEOGRAPHIC LATITUDE = 51.60 GEOGRAPHIC LONGITUDE = 10.10

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X F	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X F	X R	X R	X R	X R
2.50	AS. LAT	X R	X F	X F	X F	X R	X R	X R	X F	X R
	AS.LONG	X R	X F	X F	X F	X R	X R	X R	X F	X R
3.50	AS. LAT	13.3	9.8	12.7	16.2	8.4	17.1	X R	16.1	2.4
	AS.LONG	179.2	173.9	220.1	192.5	159.2	198.3	X R	209.2	143.2
4.50	AS. LAT	-5.8	-5.0	0.6	-5.8	-10.1	-5.4	3.8	-5.2	-12.2
	AS.LONG	130.3	129.1	139.6	127.9	120.6	117.9	142.9	125.0	113.8
5.50	AS. LAT	-10.8	-12.6	-12.0	-10.7	-8.0	-14.7	-7.6	-10.9	-5.1
	AS.LONG	102.5	105.8	115.7	102.5	92.6	110.6	129.7	103.8	85.9
6.50	AS. LAT	-5.7	-3.7	-8.3	-8.4	-3.6	-6.4	-12.4	-11.0	-0.6
	AS.LONG	85.5	85.8	94.5	87.5	78.1	90.9	107.2	90.3	71.5
7.50	AS. LAT	-3.8	0.0	-3.8	-6.0	-3.5	3.8	-5.5	-7.6	-2.0
	AS.LONG	76.5	74.7	82.1	78.5	71.4	76.5	90.2	80.3	65.9
8.50	AS. LAT	-3.9	-1.2	-3.1	-4.1	-3.6	5.1	-1.8	-3.4	-2.7
	AS.LONG	71.8	69.5	75.3	72.7	68.3	67.6	80.0	73.0	64.2
9.50	AS. LAT	-3.8	-3.1	-4.0	-2.1	-2.2	1.9	-2.0	0.1	-0.8
	AS.LONG	69.1	67.6	71.7	68.6	66.4	64.0	74.2	67.4	63.4
11.00	AS. LAT	-2.1	-4.1	-5.3	0.9	2.2	-2.8	-5.3	4.1	5.5
	AS.LONG	66.8	67.3	69.2	64.3	64.6	64.2	70.9	61.0	62.7
13.00	AS. LAT	2.4	-1.2	-4.9	5.3	10.2	-4.0	-9.1	7.5	16.2
	AS.LONG	64.9	67.7	67.9	60.2	62.7	67.1	70.5	54.9	61.5
15.00	AS. LAT	7.9	4.3	-2.4	9.5	18.0	-0.5	-10.5	9.7	26.2
	AS.LONG	63.4	68.2	67.0	57.0	60.7	70.0	71.0	50.5	59.4
17.00	AS. LAT	13.3	10.6	1.0	13.1	24.8	5.1	-9.9	11.2	34.4
	AS.LONG	62.0	68.6	66.4	54.5	58.4	72.4	71.3	47.1	56.3
19.00	AS. LAT	18.1	16.7	4.8	16.2	30.4	11.4	-8.0	12.3	40.8
	AS.LONG	60.7	68.8	65.9	52.2	55.9	74.5	71.4	44.5	52.3
25.00	AS. LAT	29.1	31.4	15.1	22.8	41.4	28.4	0.0	14.5	52.0
	AS.LONG	56.6	68.2	64.5	46.7	47.3	78.9	71.6	39.2	37.2
35.00	AS. LAT	39.1	46.1	26.5	28.5	49.0	47.0	11.7	16.4	56.1
	AS.LONG	49.7	64.2	62.0	40.2	33.7	81.9	71.7	34.3	14.0
45.00	AS. LAT	44.1	54.1	33.3	31.3	51.3	58.1	19.7	17.5	54.7
	AS.LONG	43.8	58.8	59.6	35.8	23.5	82.2	71.4	31.4	0.2
55.00	AS. LAT	46.8	58.8	37.6	32.8	51.8	65.2	25.1	18.1	52.3
	AS.LONG	39.1	53.1	57.3	32.7	16.5	80.8	71.0	29.6	-7.4
65.00	AS. LAT	48.4	61.8	40.5	33.7	51.6	70.2	28.9	18.6	50.2
	AS.LONG	35.4	47.7	55.4	30.4	11.5	78.2	70.5	28.3	-12.0
75.00	AS. LAT	49.5	63.6	42.6	34.3	51.3	73.7	31.8	18.9	48.5
	AS.LONG	32.5	42.9	53.8	28.7	7.9	74.8	70.0	27.3	-15.0
85.00	AS. LAT	50.1	64.9	44.2	34.7	50.8	76.4	34.0	19.1	47.0
	AS.LONG	30.1	38.6	52.3	27.3	5.3	70.6	69.5	26.5	-17.0
95.00	AS. LAT	50.6	65.7	45.4	35.0	50.4	78.4	35.7	19.3	45.8
	AS.LONG	28.1	34.9	51.1	26.2	3.2	65.6	69.1	25.9	-18.5
150.00	AS. LAT	51.6	67.4	48.9	35.7	48.7	83.0	41.2	19.8	41.7
	AS.LONG	21.7	21.7	46.7	22.7	-2.6	30.8	67.3	24.0	-22.4
250.00	AS. LAT	51.8	67.5	51.1	36.0	47.1	82.7	44.9	20.2	38.7
	AS.LONG	17.0	11.7	43.0	20.2	-6.4	-9.6	65.5	22.6	-24.6
350.00	AS. LAT	51.8	67.4	52.0	36.1	46.3	81.6	46.5	20.3	37.4
	AS.LONG	15.0	7.4	41.2	19.1	-7.9	-22.9	64.6	22.0	-25.4
450.00	AS. LAT	51.8	67.2	52.4	36.1	45.9	80.8	47.3	20.4	36.6
	AS.LONG	13.9	5.1	40.2	18.5	-8.6	-28.6	64.1	21.7	-25.8
750.00	AS. LAT	51.7	66.9	53.0	36.2	45.3	79.6	48.5	20.5	35.6
	AS.LONG	12.4	1.9	38.7	17.6	-9.7	-34.9	63.3	21.2	-26.4

LOMNICKY STIT,CZECHOSLOVAKIA

GEOGRAPHIC LATITUDE = 49.20 GEOGRAPHIC LONGITUDE = 20.22

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X F	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X F	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X F	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X F	X R	X R
4.50	AS. LAT	15.1	16.1	-4.5	15.1	11.3	14.9	-2.0	14.8	2.9
	AS.LONG	222.8	219.7	312.2	218.1	180.6	182.2	390.9	214.5	163.4
5.50	AS. LAT	-6.6	-8.1	1.3	-4.2	-8.6	-4.9	18.5	-0.7	-8.4
	AS.LONG	139.9	143.1	162.1	142.4	124.5	151.5	200.3	147.1	113.5
6.50	AS. LAT	-8.4	-7.7	-8.9	-9.6	-8.1	-10.4	-8.1	-10.4	-6.7
	AS.LONG	112.6	110.7	124.4	116.9	103.4	115.5	143.0	121.8	94.8
7.50	AS. LAT	-8.4	-5.4	-7.4	-10.0	-9.1	-2.0	-8.1	-11.0	-8.7
	AS.LONG	100.0	96.3	106.6	103.0	94.0	95.7	116.2	105.2	87.5
8.50	AS. LAT	-9.3	-7.0	-7.6	-9.4	-9.9	-1.3	-5.7	-8.7	-9.5
	AS.LONG	93.3	90.0	97.7	94.3	88.7	85.9	102.7	94.1	83.8
9.50	AS. LAT	-9.8	-9.3	-9.1	-8.3	-8.8	-4.6	-6.3	-6.0	-7.5
	AS.LONG	89.1	87.4	93.1	88.1	84.8	82.3	96.0	86.2	80.8
11.00	AS. LAT	-8.6	-10.5	-11.0	-5.6	-4.4	-9.3	-9.7	-2.6	-0.7
	AS.LONG	84.5	85.4	89.2	81.6	80.4	82.1	92.1	77.9	77.4
13.00	AS. LAT	-4.0	-7.6	-10.9	-1.2	3.9	-10.4	-13.7	0.7	10.5
	AS.LONG	80.2	83.4	85.7	75.5	76.2	83.3	90.9	70.4	73.9
15.00	AS. LAT	1.7	-1.7	-8.5	3.1	12.1	-6.6	-15.5	3.1	20.8
	AS.LONG	77.2	82.0	83.1	71.2	72.9	84.3	90.0	65.2	70.5
17.00	AS. LAT	7.5	5.0	-4.7	7.1	19.3	-0.4	-15.1	4.9	29.2
	AS.LONG	74.8	81.2	81.1	67.8	69.9	85.2	88.8	61.3	66.7
19.00	AS. LAT	12.7	11.5	-0.6	10.5	25.1	6.3	-13.2	6.4	35.8
	AS.LONG	72.8	80.5	79.5	65.0	66.9	86.1	87.5	58.2	62.3
25.00	AS. LAT	24.4	27.0	10.4	17.9	36.7	24.4	-4.7	9.5	47.3
	AS.LONG	67.6	78.3	76.3	58.6	58.0	88.5	84.9	52.0	47.8
35.00	AS. LAT	35.1	42.3	22.6	24.4	45.0	43.8	7.9	12.3	52.2
	AS.LONG	60.1	73.3	72.6	51.5	44.8	89.7	82.9	46.2	26.5
45.00	AS. LAT	40.5	50.6	29.8	27.6	47.7	55.2	16.3	13.8	51.4
	AS.LONG	54.1	67.6	69.6	46.7	35.0	88.6	81.7	42.8	13.3
55.00	AS. LAT	43.4	55.5	34.4	29.4	48.5	62.5	22.0	14.7	49.6
	AS.LONG	49.4	62.0	67.0	43.4	28.1	86.2	80.8	40.6	5.6
65.00	AS. LAT	45.2	58.5	37.4	30.5	48.6	67.5	26.0	15.3	47.8
	AS.LONG	45.7	56.8	64.9	41.0	23.2	82.9	79.9	39.0	0.8
75.00	AS. LAT	46.3	60.5	39.6	31.2	48.4	71.1	29.0	15.8	46.2
	AS.LONG	42.7	52.2	63.1	39.1	19.6	78.9	79.2	37.8	-2.3
85.00	AS. LAT	47.1	61.8	41.3	31.7	48.1	73.7	31.3	16.1	44.9
	AS.LONG	40.3	48.2	61.6	37.6	17.0	74.4	78.5	36.9	-4.6
95.00	AS. LAT	47.6	62.7	42.5	32.1	47.8	75.6	33.1	16.3	43.8
	AS.LONG	38.4	44.8	60.3	36.4	14.9	69.5	77.9	36.2	-6.2
150.00	AS. LAT	48.8	64.6	46.2	32.9	46.3	80.1	38.8	17.1	40.0
	AS.LONG	31.9	32.5	55.6	32.7	8.6	41.6	75.6	33.9	-10.8
250.00	AS. LAT	49.2	65.0	48.5	33.4	45.0	80.6	42.6	17.5	37.2
	AS.LONG	27.3	23.2	51.8	30.0	4.7	11.1	73.6	32.2	-13.4
350.00	AS. LAT	49.3	64.9	49.3	33.5	44.3	79.9	44.2	17.7	35.9
	AS.LONG	25.2	19.1	50.0	28.8	3.0	-1.0	72.5	31.5	-14.4
450.00	AS. LAT	49.3	64.8	49.8	33.6	43.9	79.3	45.1	17.8	35.2
	AS.LONG	24.1	16.9	49.0	28.1	2.2	-6.9	71.9	31.1	-14.9
750.00	AS. LAT	49.3	64.6	50.4	33.6	43.3	78.3	46.3	17.9	34.1
	AS.LONG	22.5	13.8	47.5	27.2	1.0	-14.0	71.0	30.5	-15.7

LONDON, ENGLAND

GEOGRAPHIC LATITUDE = 51.53 GEOGRAPHIC LONGITUDE = -0.09

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X F	X F	X R	X F	X R
	AS.LONG	X R	X R	X R	X R	X F	X F	X R	X F	X R
2.50	AS. LAT	X R	X F	X R	X R	X R	0.6	X R	X R	-12.7
	AS.LONG	X R	X F	X R	X R	X R	589.3	X R	X R	1015.0
3.50	AS. LAT	4.2	1.2	10.0	7.2	0.0	7.6	14.6	9.8	-3.8
	AS.LONG	142.4	141.5	161.5	148.1	129.5	156.9	216.7	154.2	117.7
4.50	AS. LAT	-9.6	-8.9	-5.2	-9.2	-12.0	-7.3	-1.6	-8.4	-13.2
	AS.LONG	110.5	109.6	118.1	107.8	102.4	100.0	121.0	104.6	96.6
5.50	AS. LAT	-10.0	-12.0	-12.6	-10.2	-6.6	-15.0	-11.2	-10.9	-3.5
	AS.LONG	87.4	91.1	98.9	86.6	78.7	95.5	111.4	86.8	73.1
6.50	AS. LAT	-4.2	-2.1	-7.0	-7.1	-1.7	-5.1	-11.7	-9.9	1.7
	AS.LONG	72.5	73.7	81.0	73.8	65.5	79.2	92.4	75.9	59.4
7.50	AS. LAT	-2.4	1.5	-2.5	-4.6	-1.8	5.4	-4.2	-6.2	0.1
	AS.LONG	64.4	63.2	70.0	66.1	59.4	65.8	77.6	67.6	53.9
8.50	AS. LAT	-2.5	0.2	-1.9	-2.6	-2.0	6.7	-0.7	-1.9	-0.9
	AS.LONG	60.3	58.2	63.7	61.1	56.8	57.0	68.3	61.3	52.6
9.50	AS. LAT	-2.3	-1.8	-2.8	-0.6	-0.7	3.4	-1.1	1.7	0.6
	AS.LONG	58.1	56.6	60.5	57.5	55.5	53.3	63.0	56.3	52.4
11.00	AS. LAT	-0.6	-2.8	-4.0	2.6	3.6	-1.5	-4.3	6.0	6.7
	AS.LONG	56.3	56.7	58.5	53.7	54.3	53.6	60.0	50.4	52.5
13.00	AS. LAT	3.9	0.0	-3.4	7.2	11.6	-3.0	-8.0	9.7	17.2
	AS.LONG	54.8	57.6	57.4	50.0	52.9	56.9	59.9	44.5	51.9
15.00	AS. LAT	9.5	5.5	-0.8	11.4	19.4	0.2	-9.2	12.0	27.2
	AS.LONG	53.6	58.5	56.9	47.0	51.2	60.1	60.5	40.1	50.2
17.00	AS. LAT	14.9	11.7	2.6	15.1	26.2	5.8	-8.5	13.5	35.5
	AS.LONG	52.4	59.1	56.4	44.5	49.1	62.8	61.0	36.8	47.4
19.00	AS. LAT	19.7	17.8	6.4	18.2	31.8	12.0	-6.6	14.6	42.1
	AS.LONG	51.1	59.4	56.0	42.2	46.6	65.0	61.3	34.1	43.5
25.00	AS. LAT	30.5	32.4	16.5	24.6	42.9	28.9	1.3	16.5	53.6
	AS.LONG	46.9	59.0	54.8	36.6	37.9	69.7	61.7	28.7	28.1
35.00	AS. LAT	40.3	47.0	27.7	29.9	50.4	47.4	12.9	18.0	57.6
	AS.LONG	39.9	55.0	52.2	29.9	23.7	73.1	61.8	23.7	3.6
45.00	AS. LAT	45.1	55.0	34.3	32.4	52.4	58.5	20.6	18.7	55.8
	AS.LONG	33.8	49.4	49.7	25.4	13.1	73.4	61.5	20.9	-10.8
55.00	AS. LAT	47.7	59.6	38.4	33.7	52.7	65.7	25.9	19.2	53.3
	AS.LONG	28.9	43.5	47.4	22.3	5.9	72.1	61.1	19.0	-18.6
65.00	AS. LAT	49.2	62.4	41.2	34.5	52.4	70.6	29.6	19.4	51.0
	AS.LONG	25.1	37.9	45.4	20.0	0.8	69.6	60.5	17.7	-23.1
75.00	AS. LAT	50.1	64.2	43.3	35.0	51.9	74.1	32.4	19.6	49.1
	AS.LONG	22.1	32.9	43.7	18.2	-2.7	66.2	60.0	16.8	-26.0
85.00	AS. LAT	50.7	65.4	44.7	35.3	51.4	76.8	34.5	19.8	47.5
	AS.LONG	19.7	28.5	42.2	16.9	-5.3	61.9	59.5	16.0	-28.0
95.00	AS. LAT	51.1	66.2	45.9	35.5	50.9	78.8	36.2	19.9	46.2
	AS.LONG	17.7	24.7	41.0	15.8	-7.4	56.9	59.0	15.4	-29.4
150.00	AS. LAT	51.8	67.7	49.2	36.0	48.9	83.3	41.5	20.2	42.0
	AS.LONG	11.3	11.2	36.4	12.3	-13.2	20.5	57.1	13.6	-33.1
250.00	AS. LAT	52.0	67.7	51.3	36.2	47.2	82.8	45.0	20.3	38.8
	AS.LONG	6.7	1.3	32.7	9.8	-16.8	-20.8	55.4	12.3	-35.1
350.00	AS. LAT	51.9	67.4	52.1	36.2	46.4	81.7	46.6	20.4	37.4
	AS.LONG	4.7	-2.8	30.9	8.8	-18.2	-33.7	54.4	11.7	-35.8
450.00	AS. LAT	51.8	67.2	52.5	36.2	45.9	80.8	47.4	20.4	36.7
	AS.LONG	3.6	-5.1	29.9	8.2	-19.0	-39.2	53.9	11.4	-36.2
750.00	AS. LAT	51.7	66.9	53.0	36.2	45.3	79.6	48.5	20.5	35.6
	AS.LONG	2.1	-8.2	28.5	7.4	-20.0	-45.2	53.1	10.9	-36.6

MACQUARIE ISLANDS

GEOGRAPHIC LATITUDE = -54.50 GEOGRAPHIC LONGITUDE = 158.90

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	8.7	8.6	7.7	8.3	9.4	8.7	7.4	8.4	9.4
	AS.LONG	274.5	273.7	277.0	274.4	273.0	272.7	277.8	276.9	268.5
1.50	AS. LAT	7.4	8.0	8.9	8.5	6.4	7.8	9.3	6.7	7.8
	AS.LONG	235.2	234.8	237.7	237.0	233.5	233.6	237.8	234.3	234.0
2.50	AS. LAT	-2.8	-3.6	-2.8	-3.6	-3.2	-3.7	-3.4	-6.5	-4.7
	AS.LONG	217.7	217.2	218.0	217.0	216.8	217.3	219.8	218.9	213.9
3.50	AS. LAT	-10.0	-11.3	-9.1	-9.4	-10.8	-12.2	-10.1	-13.2	-10.8
	AS.LONG	211.1	210.0	210.9	210.9	210.8	209.5	211.3	209.8	208.7
4.50	AS. LAT	-17.2	-15.3	-15.8	-19.3	-18.9	-13.3	-12.4	-18.5	-22.5
	AS.LONG	206.2	205.8	209.1	208.0	203.7	204.9	212.3	212.7	201.8
5.50	AS. LAT	-18.7	-20.4	-17.5	-17.7	-19.8	-21.6	-18.1	-20.3	-19.8
	AS.LONG	204.5	203.1	203.8	204.4	204.6	202.4	203.7	202.7	203.0
6.50	AS. LAT	-23.1	-23.2	-18.3	-21.4	-27.3	-23.7	-14.4	-18.0	-29.3
	AS.LONG	204.0	199.8	204.8	207.6	203.4	195.9	204.0	208.1	204.3
7.50	AS. LAT	-27.2	-24.6	-22.8	-28.6	-31.4	-22.3	-17.1	-26.2	-35.9
	AS.LONG	201.4	198.0	205.0	206.0	198.1	194.5	207.3	211.3	196.9
8.50	AS. LAT	-29.2	-26.1	-27.1	-32.5	-31.5	-22.9	-23.2	-34.2	-35.4
	AS.LONG	198.5	197.3	202.8	201.1	194.3	195.7	207.3	207.3	190.4
9.50	AS. LAT	-29.9	-28.0	-29.4	-32.7	-30.7	-25.7	-28.1	-36.9	-32.8
	AS.LONG	196.6	196.8	199.7	197.0	193.4	196.7	204.1	200.4	189.0
11.00	AS. LAT	-30.3	-31.0	-30.1	-30.7	-30.8	-31.2	-30.6	-34.1	-31.4
	AS.LONG	195.6	195.7	195.9	195.0	194.9	195.9	197.6	194.3	192.1
13.00	AS. LAT	-31.6	-34.6	-29.1	-29.2	-34.0	-37.0	-28.3	-28.9	-34.8
	AS.LONG	196.0	193.5	194.0	197.0	197.6	191.4	192.4	195.5	197.7
15.00	AS. LAT	-33.8	-37.1	-28.5	-30.0	-38.6	-39.9	-24.7	-26.9	-41.1
	AS.LONG	196.6	190.8	194.2	200.5	199.2	185.3	191.5	200.7	201.4
17.00	AS. LAT	-36.3	-38.8	-28.5	-32.4	-43.4	-40.6	-22.0	-27.7	-47.9
	AS.LONG	196.9	188.2	195.1	203.6	199.3	179.8	192.8	206.2	202.8
19.00	AS. LAT	-38.8	-39.9	-29.2	-35.5	-47.6	-40.0	-20.5	-30.1	-54.1
	AS.LONG	196.8	185.8	196.2	206.1	198.1	175.4	194.9	211.1	201.8
25.00	AS. LAT	-44.8	-41.3	-32.6	-44.7	-56.2	-36.2	-20.4	-39.9	-66.3
	AS.LONG	194.8	180.4	198.8	209.9	190.0	168.6	200.9	221.8	187.1
35.00	AS. LAT	-50.5	-41.4	-38.2	-55.5	-61.0	-31.2	-24.7	-53.8	-69.1
	AS.LONG	189.3	175.4	200.1	209.4	173.1	165.8	207.1	230.9	149.6
45.00	AS. LAT	-53.1	-41.2	-42.1	-61.9	-60.9	-28.5	-29.0	-63.0	-64.5
	AS.LONG	184.2	172.8	199.9	205.1	161.2	165.6	210.2	235.2	131.8
55.00	AS. LAT	-54.4	-40.9	-44.8	-65.6	-59.7	-27.0	-32.4	-69.3	-60.1
	AS.LONG	180.2	171.2	199.2	199.7	154.1	165.9	211.9	237.1	125.2
65.00	AS. LAT	-55.0	-40.7	-46.7	-67.9	-58.5	-26.1	-34.9	-73.8	-56.7
	AS.LONG	177.2	170.2	198.4	194.2	149.8	166.2	212.9	237.5	122.3
75.00	AS. LAT	-55.4	-40.5	-48.1	-69.3	-57.3	-25.5	-37.0	-77.2	-54.1
	AS.LONG	174.8	169.5	197.6	189.1	146.9	166.5	213.5	236.8	120.8
85.00	AS. LAT	-55.6	-40.3	-49.2	-70.2	-56.3	-25.0	-38.6	-79.7	-52.0
	AS.LONG	172.9	168.9	196.9	184.6	145.0	166.8	213.9	235.1	120.0
95.00	AS. LAT	-55.7	-40.2	-50.0	-70.7	-55.5	-24.7	-39.9	-81.7	-50.4
	AS.LONG	171.4	168.5	196.2	180.7	143.6	167.0	214.2	232.5	119.6
150.00	AS. LAT	-55.6	-39.8	-52.5	-71.5	-52.6	-24.0	-44.1	-87.0	-45.2
	AS.LONG	166.7	167.2	193.6	167.1	140.0	167.8	214.5	189.5	119.0
250.00	AS. LAT	-55.3	-39.5	-54.1	-71.1	-50.5	-23.6	-47.1	-85.7	-41.7
	AS.LONG	163.5	166.4	191.3	157.5	138.1	168.3	214.4	115.8	119.1
350.00	AS. LAT	-55.1	-39.4	-54.8	-70.7	-49.5	-23.5	-48.4	-84.0	-40.2
	AS.LONG	162.1	166.0	190.2	153.6	137.5	168.6	214.2	104.9	119.3
450.00	AS. LAT	-55.0	-39.3	-55.1	-70.4	-49.0	-23.5	-49.2	-83.0	-39.3
	AS.LONG	161.4	165.8	189.6	151.5	137.2	168.7	214.1	101.4	119.4
750.00	AS. LAT	-54.8	-39.2	-55.6	-69.9	-48.2	-23.4	-50.2	-81.6	-38.2
	AS.LONG	160.3	165.6	188.6	148.8	136.7	168.9	213.9	98.2	119.6

MAWSON,ANTARCTICA

GEOGRAPHIC LATITUDE = -67.60 GEOGRAPHIC LONGITUDE = 62.88

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	9.0	9.0	10.4	8.9	7.5	9.8	11.2	10.1	7.8
	AS.LONG	61.5	60.9	60.9	60.4	60.8	60.4	63.0	60.9	60.7
1.50	AS. LAT	-3.8	-4.3	-4.4	-5.7	-5.1	-5.0	-3.4	-4.1	-5.3
	AS.LONG	56.0	55.4	55.2	55.2	56.3	54.3	58.5	58.8	55.5
2.50	AS. LAT	-15.7	-15.5	-12.4	-13.8	-18.5	-14.8	-13.7	-16.6	-20.1
	AS.LONG	55.6	53.8	54.8	56.0	55.0	51.7	52.1	52.7	55.2
3.50	AS. LAT	-21.3	-21.4	-17.6	-19.4	-24.8	-21.1	-17.8	-20.1	-27.0
	AS.LONG	55.5	52.9	54.2	56.4	55.3	49.9	50.8	52.7	55.5
4.50	AS. LAT	-27.3	-27.2	-28.0	-29.6	-27.4	-27.6	-26.5	-32.3	-28.1
	AS.LONG	51.5	51.4	52.9	52.5	51.4	51.5	57.5	58.4	50.3
5.50	AS. LAT	-26.8	-28.2	-23.8	-25.1	-30.6	-29.7	-24.9	-26.3	-33.2
	AS.LONG	54.5	51.2	51.9	55.3	56.0	47.3	48.7	52.4	57.1
6.50	AS. LAT	-32.3	-31.1	-26.5	-31.2	-37.1	-29.2	-20.6	-26.8	-41.3
	AS.LONG	57.4	52.8	57.9	61.9	55.6	48.0	54.8	62.9	54.5
7.50	AS. LAT	-37.2	-34.5	-33.3	-38.9	-39.7	-31.5	-26.3	-36.7	-42.5
	AS.LONG	55.6	52.7	59.4	60.8	51.9	50.2	61.1	67.6	48.6
8.50	AS. LAT	-38.9	-37.0	-38.0	-41.8	-39.3	-35.1	-34.1	-44.0	-40.5
	AS.LONG	52.3	51.3	56.1	55.2	49.7	50.8	61.3	62.9	46.8
9.50	AS. LAT	-38.5	-38.3	-39.2	-40.6	-38.4	-38.4	-39.0	-45.1	-38.9
	AS.LONG	50.0	49.7	51.5	50.9	49.8	49.8	56.6	55.1	48.7
11.00	AS. LAT	-36.9	-39.0	-37.1	-36.6	-37.9	-41.5	-39.4	-40.1	-38.9
	AS.LONG	49.5	47.9	47.2	50.0	52.3	46.3	47.9	49.7	53.8
13.00	AS. LAT	-35.5	-39.1	-32.8	-32.8	-39.3	-42.8	-33.5	-32.8	-42.3
	AS.LONG	51.9	47.0	47.0	54.2	56.6	41.3	42.9	53.1	60.5
15.00	AS. LAT	-35.6	-39.2	-29.8	-31.6	-42.0	-42.3	-27.2	-28.9	-47.2
	AS.LONG	55.1	47.1	49.7	60.0	60.2	37.7	43.9	60.3	65.4
17.00	AS. LAT	-36.5	-39.4	-28.3	-32.2	-45.0	-41.2	-22.7	-27.8	-52.1
	AS.LONG	58.2	47.5	53.2	65.5	62.9	35.7	47.1	67.8	68.5
19.00	AS. LAT	-37.9	-39.8	-27.9	-33.8	-48.0	-40.1	-19.8	-28.3	-56.7
	AS.LONG	60.8	48.1	56.6	70.3	64.6	34.6	51.0	74.6	70.0
25.00	AS. LAT	-42.6	-41.4	-29.5	-39.8	-55.3	-37.6	-17.1	-33.5	-66.8
	AS.LONG	66.1	49.6	64.8	80.7	66.3	34.2	61.5	90.1	67.5
35.00	AS. LAT	-48.7	-43.8	-34.1	-48.3	-62.5	-35.9	-19.3	-42.5	-74.8
	AS.LONG	69.9	50.9	72.8	90.2	63.3	35.7	72.9	105.9	48.5
45.00	AS. LAT	-52.7	-45.6	-37.9	-54.1	-66.2	-35.4	-22.5	-48.8	-76.4
	AS.LONG	71.2	51.4	77.1	95.2	58.3	37.1	79.4	115.6	25.9
55.00	AS. LAT	-55.4	-46.8	-40.8	-58.2	-68.2	-35.3	-25.2	-53.3	-75.7
	AS.LONG	71.5	51.5	79.8	98.3	53.3	38.1	83.6	122.5	10.6
65.00	AS. LAT	-57.4	-47.7	-42.9	-61.1	-69.4	-35.4	-27.4	-56.5	-74.4
	AS.LONG	71.3	51.5	81.5	100.3	49.0	38.8	86.5	127.6	1.5
75.00	AS. LAT	-58.8	-48.4	-44.6	-63.3	-70.1	-35.5	-29.1	-58.8	-73.2
	AS.LONG	71.0	51.4	82.7	101.7	45.4	39.4	88.6	131.7	-3.2
85.00	AS. LAT	-59.9	-48.9	-45.9	-65.0	-70.5	-35.6	-30.5	-60.7	-72.1
	AS.LONG	70.7	51.3	83.6	102.7	42.4	39.8	90.1	135.1	-6.5
95.00	AS. LAT	-60.7	-49.3	-46.9	-66.3	-70.8	-35.8	-31.7	-62.1	-71.2
	AS.LONG	70.3	51.2	84.2	103.4	39.9	40.2	91.4	137.9	-8.7
150.00	AS. LAT	-63.3	-50.6	-50.3	-70.6	-71.2	-36.3	-35.5	-66.5	-68.1
	AS.LONG	68.5	50.8	86.1	105.4	31.7	41.2	95.2	148.0	-13.7
250.00	AS. LAT	-65.1	-51.5	-52.8	-73.7	-71.1	-36.7	-38.4	-69.4	-65.9
	AS.LONG	66.7	50.3	87.2	106.4	25.9	42.0	97.7	156.5	-15.9
350.00	AS. LAT	-65.8	-51.9	-53.9	-75.0	-70.9	-36.9	-39.6	-70.6	-64.9
	AS.LONG	65.8	50.1	87.6	106.6	23.5	42.3	98.8	160.7	-16.6
450.00	AS. LAT	-66.2	-52.1	-54.5	-75.7	-70.8	-37.1	-40.4	-71.3	-64.3
	AS.LONG	65.2	50.0	87.8	106.7	22.2	42.4	99.4	163.2	-16.9
750.00	AS. LAT	-66.8	-52.5	-55.3	-76.7	-70.7	-37.2	-41.4	-72.1	-63.6
	AS.LONG	64.3	49.8	88.1	106.7	20.4	42.7	100.2	166.9	-17.3

PCPURDO SOUNC,ANTARCTICA

GEOGRAPHIC LATITUDE = -77.85 GEOGRAPHIC LONGITUDE = 166.62

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-59.5	-59.7	-59.4	-59.3	-59.7	-60.1	-58.9	-58.9	-59.7
	AS.LONG	276.6	276.3	275.5	276.1	275.4	272.7	277.1	279.7	278.6
1.50	AS. LAT	-65.1	-65.9	-63.8	-63.8	-65.2	-65.4	-63.9	-64.1	-65.4
	AS.LONG	276.0	273.8	274.5	278.2	278.5	275.7	272.1	275.2	273.1
2.50	AS. LAT	-68.9	-69.0	-69.1	-69.2	-69.4	-68.1	-68.5	-70.5	-73.0
	AS.LONG	274.2	273.6	273.6	274.1	272.3	268.1	276.0	280.3	272.0
3.50	AS. LAT	-71.5	-72.4	-71.6	-70.7	-71.3	-71.3	-71.9	-72.3	-73.1
	AS.LONG	274.4	274.0	271.0	273.7	274.7	271.6	271.3	274.1	267.3
4.50	AS. LAT	-74.4	-73.6	-72.3	-75.0	-77.2	-73.7	-69.3	-73.0	-80.1
	AS.LONG	270.8	262.6	273.8	280.8	269.3	251.2	274.2	293.1	283.4
5.50	AS. LAT	-74.7	-75.9	-74.7	-73.4	-74.3	-75.3	-75.0	-74.2	-74.9
	AS.LONG	273.8	273.2	268.0	273.1	276.2	271.7	266.0	271.6	268.3
6.50	AS. LAT	-77.1	-79.6	-74.0	-73.6	-78.6	-81.7	-71.5	-70.1	-76.8
	AS.LONG	276.0	260.8	265.8	285.5	291.4	250.0	257.3	285.2	299.8
7.50	AS. LAT	-78.7	-78.4	-74.2	-77.1	-82.9	-78.0	-69.8	-72.6	-83.9
	AS.LONG	270.9	248.2	269.8	292.3	280.2	227.0	266.6	302.8	320.9
8.50	AS. LAT	-78.9	-76.9	-75.7	-79.9	-82.6	-74.8	-71.7	-77.6	-87.8
	AS.LONG	266.1	250.8	272.8	287.1	256.2	235.0	275.4	310.4	250.9
9.50	AS. LAT	-78.7	-76.9	-77.3	-80.4	-80.5	-74.5	-75.0	-81.2	-83.9
	AS.LONG	265.3	257.6	272.6	275.8	254.2	246.8	278.8	300.5	230.0
11.00	AS. LAT	-78.7	-78.8	-79.0	-78.8	-78.7	-77.5	-79.0	-80.4	-80.0
	AS.LONG	268.9	267.4	266.9	269.2	266.9	262.0	269.2	273.1	253.4
13.00	AS. LAT	-79.7	-82.7	-79.6	-76.6	-78.8	-83.9	-79.1	-75.3	-78.0
	AS.LONG	275.8	274.0	256.9	275.3	288.6	272.4	243.3	272.0	-73.3
15.00	AS. LAT	-81.3	-86.4	-79.1	-75.6	-81.2	-88.4	-75.9	-71.4	-77.3
	AS.LONG	282.2	262.6	251.0	285.5	-13.2	179.2	233.5	282.6	-42.6
17.00	AS. LAT	-82.9	-87.5	-78.4	-75.4	-81.0	-83.3	-72.7	-68.9	-76.5
	AS.LONG	287.3	197.9	248.9	295.8	-24.7	140.8	233.8	294.1	-15.4
19.00	AS. LAT	-84.5	-85.3	-77.9	-75.5	-81.5	-78.5	-70.2	-67.5	-75.2
	AS.LONG	291.0	167.3	248.8	305.4	-0.5	144.2	237.0	-55.6	7.2
25.00	AS. LAT	-88.3	-79.3	-77.1	-76.7	-80.1	-68.9	-66.1	-65.1	-70.3
	AS.LONG	287.9	164.4	251.9	-30.2	54.5	158.2	248.3	-32.2	50.4
35.00	AS. LAT	-87.5	-74.0	-77.2	-78.1	-75.7	-61.0	-63.9	-64.4	-63.7
	AS.LONG	151.7	173.1	257.1	-0.6	91.8	173.1	261.5	-7.2	82.3
45.00	AS. LAT	-85.3	-71.4	-77.7	-78.6	-72.7	-57.3	-63.6	-64.2	-59.6
	AS.LONG	150.8	179.0	260.4	19.4	107.4	181.7	269.6	8.0	97.5
55.00	AS. LAT	-83.8	-69.9	-78.2	-78.7	-70.7	-55.3	-63.8	-64.0	-57.0
	AS.LONG	152.8	183.0	262.4	33.2	116.0	187.2	274.9	18.1	106.6
65.00	AS. LAT	-82.8	-69.0	-78.6	-78.5	-69.4	-54.1	-64.0	-63.9	-55.2
	AS.LONG	154.6	185.8	263.8	42.9	121.6	191.1	278.7	25.3	112.6
75.00	AS. LAT	-82.1	-68.3	-78.9	-78.4	-68.4	-53.4	-64.3	-63.7	-54.0
	AS.LONG	156.1	187.9	264.7	50.0	125.6	193.9	281.6	30.7	116.9
85.00	AS. LAT	-81.6	-67.9	-79.2	-78.2	-67.7	-52.8	-64.5	-63.6	-53.0
	AS.LONG	157.2	189.5	265.4	55.3	128.5	196.1	283.7	34.8	120.1
95.00	AS. LAT	-81.2	-67.5	-79.4	-78.0	-67.1	-52.4	-64.7	-63.5	-52.3
	AS.LONG	158.2	190.8	265.9	59.5	130.7	197.8	285.5	38.0	122.6
150.00	AS. LAT	-79.9	-66.6	-80.1	-77.3	-65.4	-51.4	-65.6	-63.2	-50.2
	AS.LONG	161.2	194.7	267.2	72.1	137.5	203.2	291.0	48.2	130.3
250.00	AS. LAT	-79.0	-66.1	-80.7	-76.8	-64.3	-50.9	-66.3	-62.9	-48.9
	AS.LONG	163.3	197.4	267.9	80.3	142.0	206.8	295.0	55.3	135.5
350.00	AS. LAT	-78.7	-65.9	-81.0	-76.5	-63.9	-50.8	-66.7	-62.7	-48.3
	AS.LONG	164.2	198.5	268.1	83.7	143.9	208.4	296.7	58.3	137.7
450.00	AS. LAT	-78.5	-65.8	-81.1	-76.3	-63.6	-50.7	-66.9	-62.7	-48.1
	AS.LONG	164.8	199.2	268.1	85.5	145.0	209.3	297.6	59.9	138.9
750.00	AS. LAT	-78.2	-65.6	-81.3	-76.1	-63.3	-50.6	-67.1	-62.5	-47.7
	AS.LONG	165.5	200.1	268.2	88.0	146.4	210.5	299.0	62.3	140.5

MEXICO CITY,MEXICO

GEOGRAPHIC LATITUDE = 19.33 GEOGRAPHIC LONGITUDE = -99.18

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X F
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X F
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	-9.6	X R	11.0	-21.3	X R	X R	X R	28.7
	AS.LONG	X R	228.1	X R	164.8	183.4	X R	X R	X R	65.2
11.00	AS. LAT	35.2	20.5	X R	25.1	-0.6	19.3	X R	18.9	-19.1
	AS.LONG	85.8	120.2	X R	63.3	41.6	112.4	X R	52.9	25.5
13.00	AS. LAT	-13.0	-3.4	27.4	-15.8	-26.3	12.7	X R	-15.2	-27.8
	AS.LONG	31.5	42.3	64.5	22.0	8.5	47.3	X R	15.9	-8.5
15.00	AS. LAT	-26.6	-25.8	-10.9	-26.3	-25.8	-19.9	37.0	-25.9	-20.2
	AS.LONG	6.9	19.7	34.4	-1.2	-14.9	33.4	81.3	-5.2	-28.7
17.00	AS. LAT	-26.6	-28.2	-24.7	-27.1	-19.8	-30.2	2.4	-28.8	-11.5
	AS.LONG	-11.1	0.0	15.7	-18.0	-29.4	15.4	45.4	-20.7	-40.7
19.00	AS. LAT	-22.8	-24.0	-27.8	-25.1	-13.6	-28.7	-16.7	-29.0	-4.3
	AS.LONG	-23.4	-13.5	0.3	-29.7	-39.0	0.0	31.3	-32.1	-49.1
25.00	AS. LAT	-10.8	-8.0	-21.3	-17.4	-0.3	-10.6	-28.3	-25.8	9.4
	AS.LONG	-43.1	-33.7	-25.9	-49.5	-55.9	-22.3	-1.1	-52.4	-65.8
35.00	AS. LAT	0.7	8.1	-9.5	-9.5	10.2	10.7	-20.0	-21.4	18.8
	AS.LONG	-58.1	-48.3	-43.3	-64.7	-71.1	-35.9	-25.3	-68.1	-82.8
45.00	AS. LAT	6.6	16.5	-2.5	-5.6	14.8	22.4	-12.6	-19.0	22.1
	AS.LONG	-66.4	-56.9	-51.8	-72.6	-80.2	-43.8	-35.5	-76.1	-93.4
55.00	AS. LAT	9.9	21.4	1.6	-3.3	17.2	29.5	-7.6	-17.5	23.3
	AS.LONG	-71.8	-62.8	-57.0	-77.7	-86.3	-49.6	-41.3	-81.0	-100.5
65.00	AS. LAT	12.0	24.5	4.4	-1.8	18.4	34.1	-4.2	-16.5	23.8
	AS.LONG	-75.7	-67.2	-60.7	-81.2	-90.7	-54.2	-45.1	-84.4	-105.5
75.00	AS. LAT	13.4	26.6	6.4	-0.9	19.2	37.3	-1.7	-15.9	23.8
	AS.LONG	-78.7	-70.7	-63.4	-83.8	-94.0	-58.0	-47.9	-86.8	-109.2
85.00	AS. LAT	14.4	28.0	7.8	-0.2	19.7	39.6	0.1	-15.4	23.7
	AS.LONG	-81.0	-73.4	-65.6	-85.7	-96.5	-61.2	-50.0	-88.7	-112.1
95.00	AS. LAT	15.1	29.1	9.0	0.2	20.0	41.3	1.6	-15.0	23.6
	AS.LONG	-82.8	-75.6	-67.2	-87.3	-98.5	-63.9	-51.7	-90.2	-114.3
150.00	AS. LAT	17.1	32.1	12.2	1.6	20.6	46.0	6.0	-13.9	22.7
	AS.LONG	-88.6	-83.0	-72.6	-92.2	-104.9	-73.4	-57.0	-94.7	-121.3
250.00	AS. LAT	18.2	33.6	14.2	2.4	20.7	48.5	8.9	-13.3	21.7
	AS.LONG	-92.8	-88.4	-76.5	-95.7	-109.4	-80.9	-60.7	-97.9	-126.1
350.00	AS. LAT	18.5	34.2	15.0	2.7	20.6	49.4	10.1	-13.0	21.1
	AS.LONG	-94.6	-90.8	-78.2	-97.2	-111.3	-84.4	-62.3	-99.2	-128.1
450.00	AS. LAT	18.7	34.4	15.4	2.9	20.6	49.9	10.8	-12.9	20.8
	AS.LONG	-95.6	-92.2	-79.1	-98.0	-112.4	-86.5	-63.2	-100.0	-129.2
750.00	AS. LAT	19.0	34.8	16.0	3.1	20.5	50.4	11.7	-12.7	20.4
	AS.LONG	-97.0	-94.1	-80.5	-99.1	-113.9	-89.3	-64.5	-101.0	-130.8

PINA AGUILAR,ARGENTINA

GEOGRAPHIC LATITUDE = -23.10 GEOGRAPHIC LONGITUDE = -65.70

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
11.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	18.9
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	88.5
13.00	AS. LAT	4.9	-1.9	X R	-5.4	18.9	X R	X R	7.0	11.5
	AS.LONG	129.5	152.9	X R	149.6	60.6	X R	X R	259.3	32.3
15.00	AS. LAT	18.8	14.7	0.1	24.0	9.8	7.1	X R	30.1	0.3
	AS.LONG	60.0	65.1	139.9	65.4	28.9	83.3	X R	85.4	10.5
17.00	AS. LAT	12.3	13.0	19.8	14.2	1.7	11.9	X R	22.3	-7.3
	AS.LONG	34.6	37.3	74.0	38.7	12.5	48.6	X R	48.9	-2.9
19.00	AS. LAT	6.0	10.0	16.9	5.0	-4.1	13.1	14.0	10.1	-12.5
	AS.LONG	20.3	21.3	48.3	25.1	1.6	29.7	107.3	34.0	-12.9
25.00	AS. LAT	-5.7	3.4	4.4	-12.2	-14.0	12.6	15.8	-13.5	-20.7
	AS.LONG	-2.4	-4.0	16.6	4.2	-18.6	0.3	43.0	14.9	-33.0
35.00	AS. LAT	-14.0	-1.5	-6.1	-24.7	-20.2	11.1	3.7	-31.4	-24.8
	AS.LONG	-20.5	-23.1	-3.5	-13.1	-36.6	-20.9	15.5	-0.4	-51.9
45.00	AS. LAT	-17.6	-3.7	-11.0	-30.2	-22.4	10.4	-2.6	-39.8	-25.6
	AS.LONG	-30.4	-32.9	-13.6	-23.4	-46.7	-31.5	3.9	-10.5	-62.5
55.00	AS. LAT	-19.4	-4.8	-13.8	-33.1	-23.3	9.9	-6.3	-44.5	-25.5
	AS.LONG	-36.7	-39.0	-19.9	-30.4	-53.3	-38.1	-2.7	-17.9	-69.4
65.00	AS. LAT	-20.5	-5.4	-15.5	-34.8	-23.7	9.7	-8.7	-47.3	-25.2
	AS.LONG	-41.1	-43.2	-24.2	-35.4	-57.8	-42.5	-7.3	-23.7	-74.1
75.00	AS. LAT	-21.1	-5.8	-16.6	-35.9	-23.8	9.5	-10.3	-49.2	-24.9
	AS.LONG	-44.3	-46.2	-27.4	-39.2	-61.2	-45.7	-10.6	-28.3	-77.6
85.00	AS. LAT	-21.6	-6.1	-17.4	-36.6	-23.9	9.4	-11.5	-50.4	-24.5
	AS.LONG	-46.8	-48.6	-29.9	-42.1	-63.7	-48.1	-13.1	-32.0	-80.3
95.00	AS. LAT	-21.9	-6.3	-18.0	-37.1	-23.9	9.3	-12.5	-51.4	-24.2
	AS.LONG	-48.8	-50.4	-31.8	-44.5	-65.8	-50.0	-15.0	-35.1	-82.4
150.00	AS. LAT	-22.6	-6.7	-19.7	-38.3	-23.6	9.1	-15.1	-53.6	-22.9
	AS.LONG	-54.9	-56.1	-37.8	-52.0	-72.1	-56.0	-21.1	-45.3	-88.8
250.00	AS. LAT	-22.9	-6.9	-20.7	-38.8	-23.3	8.9	-16.7	-54.6	-21.8
	AS.LONG	-59.2	-60.0	-42.0	-57.3	-76.5	-60.0	-25.3	-52.9	-93.3
350.00	AS. LAT	-23.0	-7.0	-21.1	-39.0	-23.0	8.9	-17.4	-54.8	-21.3
	AS.LONG	-61.0	-61.7	-43.8	-59.6	-78.3	-61.8	-27.1	-56.3	-95.2
450.00	AS. LAT	-23.0	-7.0	-21.3	-39.0	-22.9	8.9	-17.7	-54.9	-21.0
	AS.LONG	-62.1	-62.6	-44.8	-60.8	-79.4	-62.8	-28.1	-58.2	-96.3
750.00	AS. LAT	-23.0	-7.0	-21.5	-39.0	-22.7	8.9	-18.2	-55.0	-20.6
	AS.LONG	-63.5	-63.9	-46.2	-62.6	-80.8	-64.1	-29.5	-60.8	-97.7

MIRNY,ANTARCTICA

GEOGRAPHIC LATITUDE = -66.55 GEOGRAPHIC LONGITUDE = 93.00

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-23.2	-22.4	-21.8	-22.6	-23.7	-22.9	-20.9	-24.7	-24.8
	AS.LONG	82.2	81.8	81.5	82.8	81.4	80.2	83.0	82.7	81.3
1.50	AS. LAT	-30.9	-29.8	-28.6	-31.1	-31.2	-28.7	-30.3	-29.2	-32.4
	AS.LONG	82.5	82.0	83.3	84.0	81.3	79.9	81.1	82.7	80.4
2.50	AS. LAT	-36.0	-36.8	-36.6	-36.1	-37.3	-37.7	-36.4	-39.3	-37.8
	AS.LONG	81.5	80.3	81.0	81.8	82.4	80.8	85.8	82.5	82.8
3.50	AS. LAT	-39.3	-40.2	-39.0	-38.8	-41.2	-41.7	-41.4	-40.8	-42.4
	AS.LONG	81.8	79.5	80.3	82.8	82.9	78.8	83.0	81.6	83.8
4.50	AS. LAT	-44.1	-42.5	-42.8	-45.9	-44.3	-39.8	-37.6	-46.9	-45.0
	AS.LONG	83.3	82.8	86.8	85.0	81.0	81.5	88.7	90.4	78.3
5.50	AS. LAT	-43.5	-45.0	-43.0	-42.7	-45.6	-46.7	-45.4	-44.0	-47.0
	AS.LONG	81.4	78.6	79.5	83.0	83.2	77.4	81.0	82.0	84.7
6.50	AS. LAT	-44.4	-43.6	-40.0	-44.3	-48.9	-43.6	-38.0	-42.4	-53.0
	AS.LONG	84.8	78.8	84.0	90.0	83.6	72.6	79.8	92.1	82.8
7.50	AS. LAT	-47.6	-44.6	-43.1	-49.7	-50.7	-41.5	-37.1	-49.2	-53.8
	AS.LONG	86.3	81.7	89.6	91.8	81.6	76.2	88.6	98.5	76.8
8.50	AS. LAT	-50.2	-47.2	-48.0	-53.1	-51.0	-43.5	-42.5	-55.3	-52.1
	AS.LONG	84.9	83.1	90.3	88.1	80.2	80.5	94.2	95.2	75.1
9.50	AS. LAT	-51.3	-49.8	-51.2	-53.3	-51.0	-47.3	-48.6	-56.7	-51.0
	AS.LONG	82.5	82.4	86.8	83.5	80.0	82.1	93.7	87.4	77.0
11.00	AS. LAT	-51.0	-52.1	-51.6	-50.8	-51.3	-52.5	-52.8	-52.9	-51.5
	AS.LONG	79.9	78.9	80.0	80.9	81.3	79.2	84.8	81.3	81.8
13.00	AS. LAT	-49.8	-52.5	-48.1	-47.6	-52.7	-55.2	-49.5	-47.0	-54.9
	AS.LONG	79.5	74.0	76.0	83.6	83.5	70.0	74.5	84.5	87.2
15.00	AS. LAT	-48.9	-51.3	-44.4	-46.1	-54.5	-53.9	-43.2	-43.7	-59.3
	AS.LONG	81.0	71.3	76.9	88.5	85.0	62.1	72.7	91.8	90.0
17.00	AS. LAT	-48.7	-49.9	-41.7	-46.1	-56.5	-51.0	-37.7	-42.7	-63.4
	AS.LONG	83.0	70.2	79.7	93.5	85.7	57.8	75.1	99.3	90.0
19.00	AS. LAT	-48.8	-48.7	-40.1	-46.9	-58.2	-48.0	-33.7	-43.1	-66.8
	AS.LONG	85.0	70.2	83.1	98.0	85.7	56.1	79.0	106.2	87.7
25.00	AS. LAT	-50.6	-46.6	-38.9	-51.0	-62.1	-41.2	-28.2	-47.2	-72.6
	AS.LONG	89.6	72.3	92.0	107.8	83.4	57.4	90.7	122.2	71.9
35.00	AS. LAT	-53.8	-45.8	-40.9	-57.5	-65.2	-36.1	-27.6	-54.7	-72.8
	AS.LONG	93.6	75.9	101.4	116.8	77.5	62.6	104.0	138.9	45.8
45.00	AS. LAT	-56.2	-46.0	-43.4	-62.0	-66.3	-34.2	-29.4	-60.1	-70.3
	AS.LONG	95.3	78.4	106.8	121.3	72.6	66.6	112.1	149.6	34.4
55.00	AS. LAT	-58.0	-46.4	-45.4	-65.2	-66.8	-33.4	-31.3	-63.8	-68.1
	AS.LONG	96.1	80.0	110.2	123.7	69.0	69.5	117.3	157.4	29.6
65.00	AS. LAT	-59.2	-46.8	-47.1	-67.5	-66.9	-33.1	-32.9	-66.5	-66.4
	AS.LONG	96.4	81.1	112.6	125.2	66.3	71.5	120.9	163.5	27.4
75.00	AS. LAT	-60.2	-47.2	-48.3	-69.3	-66.9	-33.0	-34.3	-68.5	-65.1
	AS.LONG	96.4	81.9	114.2	126.1	64.4	73.1	123.5	168.5	26.3
85.00	AS. LAT	-60.9	-47.5	-49.4	-70.6	-66.9	-33.0	-35.4	-70.0	-64.0
	AS.LONG	96.4	82.5	115.5	126.6	62.9	74.3	125.6	172.8	25.6
95.00	AS. LAT	-61.5	-47.8	-50.2	-71.7	-66.9	-33.1	-36.4	-71.2	-63.2
	AS.LONG	96.3	83.0	116.4	126.9	61.7	75.2	127.2	176.4	25.2
150.00	AS. LAT	-63.4	-48.7	-53.1	-75.2	-66.6	-33.5	-39.7	-74.6	-60.6
	AS.LONG	95.7	84.4	119.3	127.0	58.2	78.2	132.2	190.1	24.7
250.00	AS. LAT	-64.6	-49.5	-55.2	-77.5	-66.2	-33.9	-42.2	-76.7	-58.9
	AS.LONG	94.9	85.3	121.2	125.8	56.0	80.2	135.6	202.4	24.7
350.00	AS. LAT	-65.2	-49.9	-56.1	-78.5	-66.0	-34.2	-43.3	-77.5	-58.1
	AS.LONG	94.4	85.6	121.9	124.8	55.0	81.1	137.1	208.6	24.9
450.00	AS. LAT	-65.5	-50.1	-56.7	-79.1	-65.9	-34.4	-44.0	-77.9	-57.7
	AS.LONG	94.1	85.8	122.3	124.1	54.6	81.6	137.9	212.3	24.9
750.00	AS. LAT	-65.9	-50.4	-57.4	-79.9	-65.8	-34.6	-44.9	-78.4	-57.2
	AS.LONG	93.7	86.1	122.9	122.8	53.9	82.3	139.1	217.8	25.1

MOSCOW,U.S.S.R.

GEOGRAPHIC LATITUDE = 55.47 GEOGRAPHIC LONGITUDE = 37.32

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X F	X R	X R	X F	X R	X R	X F	X R	X R
	AS.LONG	X F	X R	X R	X F	X R	X R	X F	X R	X R
2.50	AS. LAT	X R	C.C	9.2	X F	5.5	6.6	X R	-6.3	-2.3
	AS.LONG	X R	981.6	529.5	X F	401.6	743.5	X R	601.5	263.7
3.50	AS. LAT	-6.3	-8.0	-3.0	-4.7	-7.6	-6.4	8.1	-2.4	-8.4
	AS.LONG	155.3	155.7	169.5	159.3	145.6	163.9	190.3	164.2	137.1
4.50	AS. LAT	-11.5	-11.0	-9.6	-10.7	-12.1	-7.6	-7.7	-9.6	-12.4
	AS.LONG	127.5	125.6	130.7	126.1	122.7	118.9	131.8	124.1	118.7
5.50	AS. LAT	-9.1	-10.7	-12.8	-9.3	-4.7	-13.2	-13.1	-9.6	-1.1
	AS.LONG	112.4	114.8	120.4	111.1	105.6	116.2	126.0	110.1	101.1
6.50	AS. LAT	-1.5	0.3	-5.8	-4.6	1.6	-2.3	-12.1	-7.9	5.3
	AS.LONG	100.5	101.9	107.8	101.1	94.4	106.2	116.7	102.3	89.2
7.50	AS. LAT	2.5	6.3	1.5	-0.2	3.3	9.4	-2.4	-2.9	5.1
	AS.LONG	92.8	92.4	98.0	94.2	88.5	95.4	105.5	95.8	83.8
8.50	AS. LAT	3.8	6.7	4.4	3.0	3.9	12.4	4.4	2.4	4.7
	AS.LONG	88.3	86.9	91.3	89.4	85.7	86.9	96.4	90.3	82.5
9.50	AS. LAT	4.4	5.4	4.6	5.5	5.4	10.3	6.4	6.9	6.4
	AS.LONG	85.9	84.8	87.3	85.8	84.6	82.7	89.8	85.5	82.5
11.00	AS. LAT	5.8	4.3	3.4	8.5	9.3	5.9	4.3	11.4	11.9
	AS.LONG	84.3	84.7	84.7	82.1	83.8	82.3	84.8	79.6	83.0
13.00	AS. LAT	9.2	6.1	3.0	12.0	16.1	4.1	0.0	14.4	21.4
	AS.LONG	83.5	86.3	84.1	78.8	83.0	85.9	83.8	73.7	83.0
15.00	AS. LAT	13.6	10.5	4.3	15.1	22.9	6.5	-2.4	15.8	30.4
	AS.LONG	83.0	88.0	84.5	76.4	81.8	89.9	85.1	69.5	81.7
17.00	AS. LAT	18.0	15.7	6.7	17.9	28.9	11.0	-3.0	16.5	38.0
	AS.LONG	82.5	89.4	85.0	74.4	80.2	93.4	86.7	66.5	79.2
19.00	AS. LAT	22.1	20.9	9.6	20.3	33.9	16.3	-2.1	16.9	44.0
	AS.LONG	81.9	90.5	85.4	72.8	78.2	96.3	88.2	64.3	75.6
25.00	AS. LAT	31.7	34.0	18.1	25.7	44.0	31.3	3.6	17.7	54.6
	AS.LONG	79.3	91.6	86.1	68.7	70.9	102.6	91.3	60.3	61.2
35.00	AS. LAT	41.1	47.8	28.5	30.8	51.3	48.4	13.8	18.9	58.6
	AS.LONG	74.2	89.7*	85.7	63.7	58.4	108.1	94.0	56.9	38.0
45.00	AS. LAT	46.1	55.7	34.9	33.5	53.7	58.9	21.1	19.8	57.1
	AS.LONG	69.4	85.8	84.5	60.3	48.8	110.4	95.2	55.0	24.1
55.00	AS. LAT	49.0	60.5	39.2	35.1	54.4	65.9	26.2	20.5	54.9
	AS.LONG	65.3	81.2	83.2	57.8	41.9	111.1	95.8	53.8	16.5
65.00	AS. LAT	50.7	63.6	42.2	36.1	54.3	70.8	30.0	21.0	52.8
	AS.LONG	62.0	76.6	81.9	55.9	37.1	110.8	96.1	52.9	12.0
75.00	AS. LAT	51.9	65.7	44.3	36.8	54.1	74.4	32.8	21.4	51.1
	AS.LONG	59.3	72.2	80.8	54.4	33.5	109.8	96.1	52.2	9.1
85.00	AS. LAT	52.7	67.1	46.0	37.3	53.8	77.1	35.0	21.7	49.7
	AS.LONG	57.1	68.2	79.7	53.3	30.9	108.1	96.1	51.7	7.1
95.00	AS. LAT	53.2	68.2	47.3	37.7	53.4	79.3	36.8	22.0	48.6
	AS.LONG	55.3	64.6	78.8	52.3	28.8	105.8	96.1	51.3	5.7
150.00	AS. LAT	54.6	70.4	51.1	38.7	52.0	85.5	42.3	22.8	44.7
	AS.LONG	49.1	50.9	75.3	49.2	22.8	79.3	95.5	49.9	2.0
250.00	AS. LAT	55.2	71.0	53.6	39.3	50.6	86.2	46.2	23.4	41.9
	AS.LONG	44.5	39.8	72.1	47.0	19.0	7.7	94.7	48.9	0.0
350.00	AS. LAT	55.3	71.0	54.6	39.5	49.9	84.8	47.9	23.6	40.6
	AS.LONG	42.4	34.9	70.6	46.0	17.5	-12.5	94.2	48.5	-0.6
450.00	AS. LAT	55.4	70.9	55.2	39.6	49.6	83.8	48.8	23.8	39.9
	AS.LONG	41.3	32.2	69.7	45.4	16.7	-19.1	93.9	48.2	-1.0
750.00	AS. LAT	55.4	70.7	55.9	39.8	49.0	82.4	50.1	24.0	38.9
	AS.LONG	39.7	28.5	68.3	44.7	15.6	-25.2	93.4	47.9	-1.5

MT.NORIKURA,JAPAN

GEOGRAPHIC LATITUDE = 36.12 GEOGRAPHIC LONGITUDE = 137.56

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	7.4	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	438.8	X R	X R	X R	X R
11.00	AS. LAT	X R	-10.5	X R	X R	1.9	X R	X R	-0.5	7.6
	AS.LONG	X R	350.9	X R	X R	385.7	X R	X R	443.6	321.2
13.00	AS. LAT	0.3	X R	X R	-13.6	-24.8	X R	X R	-15.7	-30.5
	AS.LONG	312.6	X R	X R	283.7	271.6	X R	X R	267.2	249.7
15.00	AS. LAT	-26.7	-20.0	-1.5	-24.0	-26.0	13.5	X R	-20.7	-20.3
	AS.LONG	261.1	287.9	308.8	244.9	234.0	332.5	X R	235.3	220.2
17.00	AS. LAT	-25.3	-31.5	-24.4	-20.7	-15.9	-27.1	11.0	-18.5	-6.8
	AS.LONG	234.5	252.6	269.1	223.8	216.4	283.5	345.3	217.2	207.3
19.00	AS. LAT	-18.3	-25.8	-27.3	-15.2	-6.2	-35.3	-13.4	-15.3	4.1
	AS.LONG	220.0	232.4	245.5	211.3	206.6	253.9	291.3	205.5	199.5
25.00	AS. LAT	0.0	-2.9	-14.6	-2.3	13.2	-12.5	-27.1	-7.5	24.8
	AS.LONG	200.3	210.7	214.6	191.7	190.6	221.6	239.4	185.8	183.7
35.00	AS. LAT	15.6	18.7	1.9	8.2	27.9	15.3	-13.1	-1.4	38.7
	AS.LONG	185.8	198.1	198.0	176.5	174.6	211.3	213.2	170.5	164.0
45.00	AS. LAT	23.1	29.6	10.7	13.0	33.9	30.2	-3.3	1.0	43.1
	AS.LONG	177.1	190.2	190.0	168.0	163.7	206.1	203.7	162.4	149.6
55.00	AS. LAT	27.2	35.9	15.9	15.4	36.6	39.2	2.9	2.3	44.2
	AS.LONG	171.0	184.2	184.8	162.4	155.9	201.9	198.4	157.2	139.5
65.00	AS. LAT	29.6	39.9	19.2	16.9	37.9	45.1	7.1	3.0	44.1
	AS.LONG	166.4	179.3	181.1	158.4	150.2	198.2	194.9	153.7	132.4
75.00	AS. LAT	31.2	42.5	21.6	17.7	38.6	49.3	10.1	3.4	43.6
	AS.LONG	162.9	175.4	178.2	155.5	145.9	194.9	192.3	151.1	127.2
85.00	AS. LAT	32.2	44.4	23.3	18.3	38.9	52.4	12.3	3.7	43.0
	AS.LONG	160.1	172.1	175.9	153.2	142.5	191.8	190.3	149.1	123.3
95.00	AS. LAT	33.0	45.7	24.5	18.7	39.0	54.8	14.1	3.9	42.4
	AS.LONG	157.9	169.3	174.1	151.4	139.8	189.1	188.7	147.6	120.3
150.00	AS. LAT	34.8	49.2	28.2	19.7	38.8	61.3	19.2	4.3	39.7
	AS.LONG	150.7	159.6	168.1	145.7	131.5	177.9	183.6	142.7	111.6
250.00	AS. LAT	35.6	50.8	30.3	20.1	38.0	64.8	22.6	4.3	37.3
	AS.LONG	145.5	152.2	163.7	141.7	125.8	167.1	179.9	139.4	106.1
350.00	AS. LAT	35.9	51.3	31.1	20.1	37.6	66.0	23.9	4.3	36.1
	AS.LONG	143.2	148.8	161.7	140.0	123.4	161.6	178.2	138.0	103.8
450.00	AS. LAT	35.9	51.5	31.5	20.2	37.3	66.5	24.6	4.3	35.5
	AS.LONG	141.9	146.9	160.6	139.1	122.1	158.3	177.2	137.2	102.6
750.00	AS. LAT	36.0	51.8	32.1	20.2	36.8	67.1	25.6	4.3	34.5
	AS.LONG	140.2	144.2	159.0	137.8	120.3	153.5	175.9	136.0	101.0

MT.WASHINGTON, U.S.A.

GEOGRAPHIC LATITUDE = 44.30 GEOGRAPHIC LONGITUDE = -71.30

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.00	AS. LAT	0.0	X	X	X	X	X	X	X	X
	AS.LONG	0.0	X	X	X	X	X	X	X	X
0.90	AS. LAT	X F	X F	X F	X F	X F	X R	X F	X F	X R
	AS.LONG	X F	X F	X F	X F	X F	X R	X F	X F	X R
1.50	AS. LAT	28.0	27.5	21.4	27.5	26.2	25.2	10.4	26.7	25.6
	AS.LONG	116.8	130.8	147.4	110.7	104.2	106.1	161.8	105.7	97.0
2.50	AS. LAT	-19.9	-20.3	-19.7	-20.4	-19.9	-20.3	-18.8	-20.8	-20.9
	AS.LONG	19.2	23.4	24.8	18.6	15.1	25.9	30.9	17.9	15.3
3.50	AS. LAT	-17.9	-19.3	-20.2	-18.5	-15.9	-22.1	-22.3	-19.0	-16.0
	AS.LONG	-2.9	1.0	1.6	-5.1	-6.1	3.4	5.9	-7.1	-6.2
4.50	AS. LAT	-15.1	-13.9	-14.7	-14.3	-14.9	-9.3	-13.5	-13.6	-13.5
	AS.LONG	-14.1	-14.9	-13.3	-14.9	-15.9	-15.0	-12.1	-15.7	-19.8
5.50	AS. LAT	-9.6	-12.5	-13.4	-8.2	-6.7	-15.0	-16.2	-7.1	-6.5
	AS.LONG	-18.0	-14.6	-16.1	-22.1	-19.4	-14.8	-15.2	-25.8	-19.5
6.50	AS. LAT	-2.6	-2.5	-7.0	-4.7	1.4	-6.9	-12.3	-6.7	5.3
	AS.LONG	-23.9	-19.3	-19.8	-27.0	-27.0	-14.0	-15.7	-29.8	-27.8
7.50	AS. LAT	0.3	3.4	-1.5	-2.5	2.9	4.2	-4.5	-5.3	7.3
	AS.LONG	-28.6	-26.0	-24.6	-29.7	-32.4	-20.1	-19.9	-30.7	-35.5
8.50	AS. LAT	1.1	4.1	1.0	-0.3	1.9	8.5	0.7	-1.8	4.7
	AS.LONG	-31.1	-30.6	-28.7	-31.2	-34.0	-27.5	-25.3	-31.4	-37.9
9.50	AS. LAT	1.4	2.6	1.7	2.0	1.6	7.2	2.7	2.6	2.8
	AS.LONG	-31.9	-32.2	-31.2	-32.3	-33.4	-32.0	-29.9	-32.7	-36.7
11.00	AS. LAT	2.8	0.8	1.7	6.0	3.7	2.5	2.0	8.8	4.0
	AS.LONG	-31.7	-31.2	-32.8	-33.8	-31.5	-32.6	-33.9	-35.8	-33.0
13.00	AS. LAT	6.2	1.5	2.2	10.8	9.5	-1.2	-0.5	14.7	10.6
	AS.LONG	-31.0	-27.9	-32.8	-35.9	-29.6	-28.2	-35.1	-40.9	-29.1
15.00	AS. LAT	10.4	4.7	3.7	14.8	16.2	-0.9	-2.1	18.0	19.1
	AS.LONG	-30.7	-25.1	-32.1	-38.2	-29.2	-22.9	-34.0	-45.8	-27.4
17.00	AS. LAT	14.6	9.1	5.7	17.9	22.4	1.9	-2.5	19.7	27.3
	AS.LONG	-31.0	-23.1	-31.5	-40.5	-29.8	-18.6	-32.3	-50.0	-27.5
19.00	AS. LAT	18.5	13.7	8.0	20.3	27.8	6.0	-2.0	20.3	34.5
	AS.LONG	-31.6	-21.9	-31.0	-42.7	-31.3	-15.3	-30.7	-53.4	-29.1
25.00	AS. LAT	27.2	25.7	14.6	24.6	38.9	19.2	1.7	19.9	49.0
	AS.LONG	-34.7	-21.0	-30.8	-48.2	-38.1	-9.7	-27.3	-60.1	-39.1
35.00	AS. LAT	35.1	38.6	22.3	27.5	46.8	35.8	8.6	18.0	57.4
	AS.LONG	-40.7	-23.9	-32.2	-54.3	-50.6	-6.8	-25.1	-64.9	-61.6
45.00	AS. LAT	38.9	45.8	27.0	28.5	49.2	46.3	13.7	16.6	57.7
	AS.LONG	-45.7	-28.1	-34.0	-58.1	-60.3	-6.9	-24.5	-67.1	-78.4
55.00	AS. LAT	41.0	50.2	30.1	28.9	49.7	53.1	17.4	15.7	55.9
	AS.LONG	-49.5	-32.3	-35.7	-60.5	-67.0	-8.3	-24.6	-68.2	-88.4
65.00	AS. LAT	42.2	52.9	32.2	29.0	49.6	57.9	20.1	15.1	53.9
	AS.LONG	-52.5	-36.1	-37.1	-62.2	-71.7	-10.3	-24.8	-68.9	-94.4
75.00	AS. LAT	42.9	54.8	33.7	29.1	49.2	61.4	22.2	14.7	52.1
	AS.LONG	- 54.8	- 39.4	-38.2	-63.5	-75.1	-12.5	- 25.1	-69.3	-98.2
85.00	AS. LAT	43.4	56.1	34.8	29.1	48.8	64.0	23.8	14.3	50.5
	AS.LONG	-56.6	-42.3	-39.2	-64.4	-77.7	-14.9	-25.3	-69.7	-100.8
95.00	AS. LAT	43.7	57.0	35.6	29.1	48.4	66.0	25.1	14.1	49.3
	AS.LONG	-58.1	-44.8	-40.1	-65.2	-79.6	-17.2	-25.6	-69.9	-102.6
150.00	AS. LAT	44.3	59.2	38.2	28.9	46.6	71.6	29.1	13.3	44.9
	AS.LONG	-62.8	-53.5	-43.1	-67.5	-85.2	-28.6	-26.8	-70.6	-107.4
250.00	AS. LAT	44.5	60.1	39.9	28.7	45.0	74.6	31.9	12.9	41.6
	AS.LONG	-66.2	-60.3	-45.4	-69.1	-88.7	-41.8	-28.0	-71.0	-109.8
350.00	AS. LAT	44.5	60.3	40.5	28.6	44.3	75.5	33.1	12.7	40.2
	AS.LONG	-67.7	-63.3	-46.5	-69.8	-90.0	-49.1	-28.6	-71.1	-110.7
450.00	AS. LAT	44.5	60.3	40.9	28.5	43.9	75.8	33.8	12.6	39.4
	AS.LONG	-68.5	-65.0	-47.1	-70.1	-90.8	-53.5	-28.9	-71.2	-111.2
750.00	AS. LAT	44.4	60.4	41.3	28.4	43.2	76.2	34.7	12.4	38.2
	AS.LONG	-69.6	-67.4	-48.1	-70.7	-91.7	-60.0	-29.4	-71.3	-111.7

MT.WELLINGTON, AUSTRALIA

GEOGRAPHIC LATITUDE = -42.92 GEOGRAPHIC LONGITUDE = 147.24

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X F	X R	X R	X R	X R	X R	X R	X F
	AS.LONG	X R	X F	X R	X R	X R	X R	X R	X R	X F
1.50	AS. LAT	X F	X F	X R	X F	X F	X R	X F	X F	X F
	AS.LONG	X F	X F	X R	X F	X F	X R	X F	X F	X F
2.50	AS. LAT	-12.6	-11.1	-20.3	-15.1	-6.6	-10.1	-21.5	-7.1	-4.7
	AS.LONG	255.8	292.3	307.4	297.2	287.6	289.3	310.6	285.7	283.4
3.50	AS. LAT	14.0	13.6	12.1	13.9	14.9	13.3	9.6	12.5	16.2
	AS.LONG	247.3	244.4	252.9	249.6	242.4	241.8	254.3	243.2	240.1
4.50	AS. LAT	13.6	14.6	13.0	11.5	13.7	15.3	13.4	11.0	11.9
	AS.LONG	223.1	224.1	226.7	221.9	219.3	224.9	232.7	225.5	213.9
5.50	AS. LAT	13.2	11.5	14.7	14.7	11.5	10.0	14.0	12.5	11.4
	AS.LONG	215.8	212.9	218.7	217.1	213.0	209.9	219.4	213.4	210.9
6.50	AS. LAT	6.9	7.8	11.6	8.4	2.7	9.0	15.9	12.9	-0.3
	AS.LONG	208.1	205.3	213.6	212.0	203.8	202.7	218.5	214.9	201.8
7.50	AS. LAT	1.8	4.9	5.1	-0.2	-1.3	7.9	10.2	2.1	-5.6
	AS.LONG	201.0	200.1	206.9	203.9	196.0	199.5	213.5	209.5	192.2
8.50	AS. LAT	-0.1	2.5	0.8	-3.7	-1.5	4.9	3.1	-6.5	-4.5
	AS.LONG	196.1	196.5	200.7	196.8	191.8	197.0	206.7	201.2	187.2
9.50	AS. LAT	-0.5	0.2	-0.7	-3.3	-1.0	0.9	-0.9	-8.6	-2.5
	AS.LONG	193.3	193.9	196.2	192.6	190.3	194.4	200.4	194.0	186.2
11.00	AS. LAT	-1.0	-2.9	-0.5	-1.0	-2.1	-4.8	-1.6	-5.0	-2.8
	AS.LONG	191.6	191.0	192.5	190.9	190.3	190.2	193.8	189.2	187.8
13.00	AS. LAT	-3.3	-6.9	0.1	-0.2	-6.8	-10.3	1.4	0.1	-8.6
	AS.LONG	191.0	187.9	191.0	192.4	190.8	184.5	190.6	190.7	190.1
15.00	AS. LAT	-6.8	-10.4	-0.3	-2.4	-12.9	-13.4	4.3	1.2	-16.8
	AS.LONG	190.8	185.3	191.1	194.5	190.6	179.5	190.9	194.7	190.8
17.00	AS. LAT	-10.8	-13.4	-1.8	-6.4	-19.0	-15.0	5.7	-1.0	-24.9
	AS.LONG	190.3	182.9	191.5	196.1	189.6	175.4	192.2	198.5	190.1
19.00	AS. LAT	-14.6	-15.7	-4.0	-11.0	-24.4	-15.6	5.8	-4.9	-32.0
	AS.LONG	189.6	180.8	191.8	197.1	188.0	172.2	193.7	201.5	188.0
25.00	AS. LAT	-23.9	-20.5	-11.1	-23.7	-35.6	-15.5	2.0	-18.9	-46.0
	AS.LONG	186.4	175.5	191.9	197.6	181.0	166.0	196.8	207.0	177.1
35.00	AS. LAT	-32.7	-24.2	-20.2	-37.7	-43.7	-14.2	-6.3	-37.1	-53.4
	AS.LONG	180.3	169.5	190.3	194.4	168.5	161.3	198.8	209.6	155.3
45.00	AS. LAT	-37.1	-25.7	-25.9	-45.6	-46.1	-13.4	-12.8	-48.5	-52.9
	AS.LONG	175.1	165.7	188.3	189.5	159.0	159.2	199.1	208.8	140.1
55.00	AS. LAT	-39.4	-26.5	-29.7	-50.2	-46.5	-12.8	-17.5	-55.9	-50.8
	AS.LONG	171.0	163.1	186.4	184.6	152.4	157.9	198.9	206.3	131.4
65.00	AS. LAT	-40.8	-26.9	-32.2	-53.1	-46.2	-12.5	-21.0	-60.9	-48.6
	AS.LONG	167.8	161.2	184.8	180.1	147.8	157.1	198.6	203.1	126.1
75.00	AS. LAT	-41.6	-27.1	-34.1	-54.9	-45.8	-12.2	-23.6	-64.5	-46.6
	AS.LONG	165.3	159.8	183.4	176.2	144.5	156.6	198.1	199.4	122.8
85.00	AS. LAT	-42.1	-27.2	-35.4	-56.2	-45.3	-12.1	-25.6	-67.1	-45.0
	AS.LONG	163.3	158.8	182.2	172.8	142.0	156.2	197.7	195.6	120.5
95.00	AS. LAT	-42.5	-27.3	-36.5	-57.0	-44.8	-12.0	-27.2	-69.0	-43.6
	AS.LONG	161.7	157.9	181.1	170.0	140.1	155.8	197.3	191.7	118.9
150.00	AS. LAT	-43.2	-27.4	-39.6	-58.8	-42.8	-11.6	-32.2	-73.7	-38.9
	AS.LONG	156.4	155.3	177.4	160.0	134.7	154.9	195.6	173.2	114.8
250.00	AS. LAT	-43.3	-27.4	-41.5	-59.2	-41.0	-11.5	-35.7	-75.1	-35.5
	AS.LONG	152.7	152.4	174.4	152.5	131.4	154.2	193.9	154.4	112.6
350.00	AS. LAT	-43.2	-27.3	-42.2	-59.2	-40.2	-11.4	-37.2	-75.1	-34.0
	AS.LONG	151.1	152.6	173.0	149.2	130.1	153.9	193.1	145.7	111.8
450.00	AS. LAT	-43.2	-27.3	-42.6	-59.1	-39.7	-11.4	-38.0	-74.9	-33.1
	AS.LONG	150.2	152.2	172.2	147.4	129.4	153.8	192.6	140.9	111.4
750.00	AS. LAT	-43.1	-27.2	-43.2	-58.9	-39.0	-11.4	-39.1	-74.4	-31.9
	AS.LONG	149.0	151.6	171.1	144.9	128.5	153.6	191.8	134.6	110.9

MUNICH,GERMANY

GEOGRAPHIC LATITUDE = 48.20 GEOGRAPHIC LONGITUDE = 11.60

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X F	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X F	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	5.7
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	857.9
4.50	AS. LAT	-9.4	-12.6	X R	-0.6	15.7	17.5	X R	1.0	6.9
	AS.LONG	257.8	258.4	X R	246.1	185.6	194.8	X R	241.3	163.2
5.50	AS. LAT	-4.7	-6.1	5.0	-1.9	-7.6	-1.1	17.1	2.0	-8.1
	AS.LONG	136.8	140.5	161.7	139.5	120.3	150.6	218.1	144.9	108.6
6.50	AS. LAT	-8.1	-7.5	-7.8	-8.9	-8.2	-10.3	-6.0	-9.4	-7.1
	AS.LONG	108.2	106.1	120.6	112.7	98.4	111.0	140.0	117.6	89.3
7.50	AS. LAT	-8.8	-6.0	-7.5	-10.2	-9.8	-2.7	-7.5	-11.1	-9.6
	AS.LONG	95.5	91.4	102.5	98.4	88.9	90.3	112.2	100.4	81.9
8.50	AS. LAT	-10.3	-8.1	-8.3	-10.3	-10.9	-2.4	-6.1	-9.4	-10.7
	AS.LONG	88.7	85.2	93.7	89.4	83.4	80.4	98.8	88.8	77.9
9.50	AS. LAT	-11.0	-10.5	-10.1	-9.4	-10.1	-5.9	-7.2	-7.0	-8.8
	AS.LONG	84.2	82.5	89.0	82.9	79.2	77.0	92.4	80.6	74.7
11.00	AS. LAT	-9.8	-12.0	-12.2	-6.8	-5.6	-10.8	-10.7	-3.6	-1.9
	AS.LONG	79.1	80.1	84.7	75.9	74.3	76.7	88.8	71.9	70.8
13.00	AS. LAT	-5.1	-8.9	-12.1	-2.2	2.9	-12.0	-14.8	-0.1	9.6
	AS.LONG	74.2	77.5	80.6	69.4	69.6	77.6	87.2	64.2	67.0
15.00	AS. LAT	0.9	-2.8	-9.4	2.4	11.5	-8.0	-16.5	2.5	20.2
	AS.LONG	70.7	75.7	77.4	64.7	66.1	78.0	85.6	58.7	63.4
17.00	AS. LAT	6.9	4.1	-5.5	6.6	18.8	-1.6	-16.0	4.5	28.8
	AS.LONG	68.1	74.5	74.9	61.1	62.9	78.5	83.7	54.6	59.4
19.00	AS. LAT	12.3	10.8	-1.2	10.2	24.8	5.4	-14.0	6.1	35.5
	AS.LONG	65.8	73.5	73.0	58.1	59.7	79.2	81.9	51.4	55.0
25.00	AS. LAT	24.2	26.7	10.2	17.8	36.5	23.8	-5.0	9.4	47.1
	AS.LONG	60.1	70.9	69.2	51.2	50.4	81.0	78.2	44.7	40.1
35.00	AS. LAT	35.0	42.2	22.5	24.3	44.8	43.5	7.8	12.2	52.0
	AS.LONG	52.2	65.4	64.9	43.6	36.7	81.7	75.5	38.4	18.5
45.00	AS. LAT	40.2	50.5	29.7	27.4	47.4	55.0	14.3	13.6	51.1
	AS.LONG	45.9	59.3	61.5	38.6	26.7	80.2	74.0	34.8	5.2
55.00	AS. LAT	43.1	55.2	34.2	29.1	48.1	62.4	21.9	14.4	49.2
	AS.LONG	41.0	53.3	58.7	35.1	19.7	77.4	72.7	32.5	-2.5
65.00	AS. LAT	44.8	58.2	37.2	30.1	48.1	67.3	26.0	15.0	47.4
	AS.LONG	37.1	48.0	56.4	32.6	14.8	73.6	71.7	30.8	-7.4
75.00	AS. LAT	45.9	60.1	39.3	30.8	47.9	70.9	28.9	15.4	45.8
	AS.LONG	34.1	43.3	54.5	30.7	11.2	69.2	70.8	29.5	-10.6
85.00	AS. LAT	46.6	61.3	40.9	31.2	47.5	73.4	31.2	15.6	44.4
	AS.LONG	31.7	39.2	52.9	29.1	8.5	64.3	70.0	28.6	-12.8
95.00	AS. LAT	47.1	62.2	42.1	31.5	47.2	75.3	33.0	15.8	43.3
	AS.LONG	29.7	35.8	51.5	27.9	6.4	59.1	69.3	27.8	-14.5
150.00	AS. LAT	48.1	63.9	45.6	32.3	45.6	79.5	38.5	16.4	39.4
	AS.LONG	23.2	23.6	46.7	24.1	0.2	31.2	66.7	25.4	-19.0
250.00	AS. LAT	48.4	64.2	47.8	32.6	44.1	79.7	42.2	16.7	36.4
	AS.LONG	18.6	14.4	42.7	21.3	-3.6	2.9	64.5	23.7	-21.6
350.00	AS. LAT	48.4	64.0	48.6	32.6	43.4	79.0	43.7	16.8	35.1
	AS.LONG	16.6	10.5	40.9	20.1	-5.2	-8.2	63.3	22.9	-22.6
450.00	AS. LAT	48.4	63.9	49.0	32.7	43.0	78.4	44.6	16.9	34.4
	AS.LONG	15.4	8.4	39.9	19.5	-6.1	-13.7	62.7	22.5	-23.2
750.00	AS. LAT	48.3	63.6	49.6	32.7	42.4	77.5	45.7	17.0	33.3
	AS.LONG	13.9	5.4	38.3	18.6	-7.2	-20.4	61.7	21.9	-23.9

HURCHISON BAY, NORWAY

GEOGRAPHIC LATITUDE = 80.05 GEOGRAPHIC LONGITUDE = 18.25

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	38.9	39.9	38.6	38.8	39.0	38.4	38.5	37.4	40.6
	AS.LONG	74.7	75.4	76.2	74.9	74.5	75.0	74.4	73.5	73.4
1.50	AS. LAT	46.8	48.0	46.6	46.3	46.8	46.7	43.2	44.3	48.1
	AS.LONG	71.9	72.6	73.9	72.2	71.4	76.4	73.0	71.1	69.4
2.50	AS. LAT	52.5	52.1	51.2	52.7	54.4	53.6	53.4	53.8	54.7
	AS.LONG	69.9	71.4	68.4	66.9	70.3	68.7	69.3	66.4	71.2
3.50	AS. LAT	56.1	55.7	54.0	56.2	58.7	55.7	55.5	57.3	59.8
	AS.LONG	68.5	71.5	66.9	64.1	68.8	69.1	64.9	61.6	70.4
4.50	AS. LAT	60.2	62.1	60.2	58.8	60.0	65.2	57.5	56.0	60.5
	AS.LONG	66.1	66.4	69.8	66.7	63.9	72.2	76.4	66.4	59.5
5.50	AS. LAT	60.4	59.7	58.2	61.0	63.3	59.7	59.1	62.1	64.6
	AS.LONG	65.6	69.6	63.1	59.9	67.5	68.2	60.7	56.6	69.8
6.50	AS. LAT	62.6	63.9	57.9	59.9	66.7	62.3	53.7	58.0	70.7
	AS.LONG	67.6	76.9	70.2	59.4	62.5	83.7	67.4	51.2	59.3
7.50	AS. LAT	65.0	68.7	62.0	60.9	66.9	69.9	56.5	56.5	69.3
	AS.LONG	66.5	73.6	74.4	62.3	57.1	87.5	77.8	56.9	46.7
8.50	AS. LAT	66.5	70.0	65.9	63.2	66.4	74.1	62.5	59.0	66.7
	AS.LONG	63.4	64.8	71.6	63.4	56.4	74.0	80.9	62.2	47.4
9.50	AS. LAT	66.9	68.9	67.5	65.5	66.5	72.9	67.2	62.9	66.0
	AS.LONG	60.8	59.7	64.7	62.0	58.3	60.2	74.7	63.5	53.1
11.00	AS. LAT	67.0	66.8	66.6	67.6	67.9	68.5	67.9	67.7	68.0
	AS.LONG	59.0	60.6	56.5	56.5	62.1	58.7	58.5	56.9	62.6
13.00	AS. LAT	67.1	65.7	63.6	68.1	71.0	64.9	62.6	68.9	73.2
	AS.LONG	59.5	67.9	54.6	48.6	65.4	69.9	50.2	40.4	72.1
15.00	AS. LAT	67.7	66.3	61.6	67.2	74.1	63.9	57.5	66.2	78.8
	AS.LONG	61.0	76.1	57.6	43.6	65.4	83.2	52.8	29.6	75.9
17.00	AS. LAT	68.6	67.7	60.5	66.1	76.8	64.1	54.1	62.6	83.7
	AS.LONG	62.5	83.8	61.8	41.3	61.9	95.7	58.1	25.6	68.5
19.00	AS. LAT	69.6	69.4	60.3	65.2	78.8	65.0	52.1	59.4	86.5
	AS.LONG	63.7	90.7	66.0	40.5	55.1	107.0	63.9	25.1	26.3
25.00	AS. LAT	72.4	74.4	61.4	63.5	80.7	43.5	50.2	53.3	79.5
	AS.LONG	65.0	107.9	76.4	41.2	26.3	-223.6	78.5	29.0	-40.4
35.00	AS. LAT	75.6	80.1	64.5	62.9	78.1	70.1	51.5	49.4	70.0
	AS.LONG	63.0	131.6	87.5	43.7	1.0	-190.9	94.2	30.0	-37.7
45.00	AS. LAT	77.5	83.3	67.0	63.0	75.5	70.5	53.4	48.2	64.9
	AS.LONG	58.9	156.3	94.1	45.5	-5.6	-168.9	103.9	40.8	-33.1
55.00	AS. LAT	78.5	84.6	68.9	63.3	73.7	70.2	55.0	47.9	61.7
	AS.LONG	54.6	-176.8	98.5	46.6	-7.7	-154.4	110.4	44.0	-29.7
65.00	AS. LAT	79.2	84.9	70.3	63.6	72.4	69.7	56.3	47.9	59.6
	AS.LONG	50.7	-152.7	101.7	47.4	-8.5	-144.3	115.2	44.2	-27.3
75.00	AS. LAT	79.6	84.6	71.4	63.8	71.4	69.2	57.3	48.0	58.1
	AS.LONG	47.3	-134.9	104.1	48.0	-8.8	-137.1	118.8	47.9	-25.5
85.00	AS. LAT	79.9	84.2	72.3	64.1	70.7	68.7	58.1	48.2	57.0
	AS.LONG	44.4	-122.7	106.0	48.3	-8.8	-131.8	121.6	49.2	-24.1
95.00	AS. LAT	80.0	83.7	73.0	64.3	70.1	68.3	58.7	48.3	56.1
	AS.LONG	41.9	-114.3	107.5	48.6	-8.8	-127.6	123.8	50.2	-23.0
150.00	AS. LAT	80.4	81.8	75.3	64.9	68.4	66.7	60.9	49.0	53.6
	AS.LONG	33.4	-94.3	112.4	49.5	-8.4	-115.2	131.2	53.4	-19.4
250.00	AS. LAT	80.4	80.2	77.0	65.5	67.2	65.4	62.5	49.7	52.0
	AS.LONG	27.2	-84.6	116.0	49.9	-7.8	-107.2	136.7	55.6	-16.9
350.00	AS. LAT	80.3	79.5	77.7	65.7	66.7	64.8	63.2	50.0	51.4
	AS.LONG	24.6	-81.0	117.7	50.1	-7.5	-103.9	139.1	56.5	-15.9
450.00	AS. LAT	80.3	79.1	78.1	65.9	66.4	64.5	63.5	50.2	51.0
	AS.LONG	23.1	-79.2	118.6	50.1	-7.4	-102.1	140.5	57.0	-15.3
750.00	AS. LAT	80.2	78.5	78.7	66.1	66.0	64.0	64.1	50.5	50.5
	AS.LONG	21.1	-76.8	120.0	50.2	-7.1	-99.6	142.5	57.7	-14.4

ORSAY,FRANCE

GEOGRAPHIC LATITUDE = 48.42 GEOGRAPHIC LONGITUDE = 2.12

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X F	X R	X R	X R	X R	X R	X R	X F	X R
	AS.LONG	X F	X R	X R	X R	X R	X R	X R	X F	X R
3.50	AS. LAT	3.3	X R	X R	-1.3	X R	12.1	X F	X R	-17.5
	AS.LONG	760.6	X R	X R	1233.8	X R	411.5	X F	X R	264.9
4.50	AS. LAT	16.0	18.3	9.8	13.8	4.0	10.9	12.4	13.1	-2.7
	AS.LONG	171.6	172.9	223.1	166.2	147.3	150.0	425.9	162.2	135.1
5.50	AS. LAT	-8.4	-9.9	-3.3	-6.9	-8.9	-7.7	13.0	-5.1	-8.0
	AS.LONG	115.9	120.2	135.3	117.0	101.9	129.2	163.9	120.2	92.3
6.50	AS. LAT	-8.1	-6.9	-8.8	-9.8	-7.4	-9.8	-9.3	-11.2	-5.4
	AS.LONG	92.2	91.2	103.4	95.6	83.1	96.8	120.0	99.3	74.7
7.50	AS. LAT	-8.2	-4.9	-7.2	-9.9	-8.6	-1.2	-7.4	-10.8	-7.7
	AS.LONG	81.2	78.0	87.9	83.7	74.9	78.1	96.9	85.2	68.2
8.50	AS. LAT	-9.3	-6.8	-7.8	-9.2	-9.5	-0.8	-5.7	-8.2	-8.8
	AS.LONG	75.5	72.5	80.2	76.0	70.5	68.7	85.2	75.4	65.2
9.50	AS. LAT	-9.7	-9.3	-9.3	-7.8	-8.4	-4.3	-6.8	-5.2	-7.0
	AS.LONG	71.7	70.2	76.1	70.5	67.3	65.3	79.5	68.2	63.1
11.00	AS. LAT	-8.1	-10.5	-11.0	-4.8	-3.8	-9.3	-10.3	-1.4	-0.3
	AS.LONG	67.6	68.6	72.6	64.4	63.5	65.4	76.4	60.4	60.4
13.00	AS. LAT	-3.1	-7.3	-10.5	0.0	4.8	-10.6	-14.0	2.3	11.1
	AS.LONG	63.7	67.0	69.3	58.7	59.8	66.9	75.3	53.2	57.5
15.00	AS. LAT	2.9	-1.1	-7.6	4.8	13.3	-6.7	-15.3	5.1	21.7
	AS.LONG	60.8	65.8	66.6	54.5	56.7	68.0	74.1	48.1	54.5
17.00	AS. LAT	8.9	5.7	-3.5	9.0	20.7	-0.4	-14.5	7.1	30.4
	AS.LONG	58.4	65.0	64.6	51.1	53.7	69.0	72.6	44.1	50.8
19.00	AS. LAT	14.2	12.3	0.6	12.5	26.6	6.5	-12.3	8.7	37.2
	AS.LONG	56.4	64.3	63.0	48.2	50.7	70.0	71.2	41.0	46.5
25.00	AS. LAT	26.0	28.1	11.9	19.9	38.3	24.7	-3.4	11.6	49.0
	AS.LONG	50.9	62.1	59.7	41.5	41.3	72.4	68.4	34.5	31.3
35.00	AS. LAT	36.4	43.4	23.9	26.0	46.4	44.3	9.2	14.0	53.7
	AS.LONG	42.9	56.6	55.6	33.8	27.2	73.5	66.1	28.3	8.6
45.00	AS. LAT	41.5	51.6	30.9	28.8	48.8	55.8	17.4	15.1	52.5
	AS.LONG	36.4	50.4	52.2	28.8	16.9	72.2	64.6	24.8	-5.1
55.00	AS. LAT	44.2	56.3	35.2	30.3	49.3	63.1	22.9	15.7	50.4
	AS.LONG	31.4	44.4	49.4	25.4	9.8	69.5	63.4	22.5	-13.0
65.00	AS. LAT	45.8	59.1	38.1	31.1	49.1	68.0	26.8	16.1	48.3
	AS.LONG	27.5	38.9	47.0	22.8	4.8	65.8	62.4	20.9	-17.8
75.00	AS. LAT	46.8	60.9	40.2	31.7	48.8	71.5	29.7	16.3	46.6
	AS.LONG	24.5	34.0	45.1	20.9	1.2	61.4	61.5	19.7	-20.9
85.00	AS. LAT	47.4	62.1	41.7	32.0	48.3	74.1	31.9	16.5	45.1
	AS.LONG	22.0	29.9	43.5	19.4	-1.4	56.4	60.7	18.8	-23.1
95.00	AS. LAT	47.8	62.9	42.8	32.3	47.9	75.9	33.6	16.6	43.9
	AS.LONG	20.0	26.3	42.1	18.2	-3.5	51.0	60.0	18.0	-24.7
150.00	AS. LAT	48.7	64.5	46.2	32.8	46.1	80.0	39.0	17.0	39.8
	AS.LONG	13.5	13.9	37.2	14.4	-9.6	21.7	57.4	15.7	-29.0
250.00	AS. LAT	48.8	64.6	48.2	33.0	44.5	80.1	42.5	17.2	36.7
	AS.LONG	8.9	4.7	33.3	11.7	-13.4	-7.7	55.2	14.1	-31.5
350.00	AS. LAT	48.8	64.4	49.0	33.0	43.7	79.3	44.0	17.2	35.4
	AS.LONG	7.0	0.8	31.5	10.6	-14.9	-19.0	54.0	13.4	-32.4
450.00	AS. LAT	48.7	64.2	49.4	33.0	43.3	78.7	44.9	17.3	34.6
	AS.LONG	5.9	-1.3	30.5	10.0	-15.7	-24.4	53.4	13.0	-32.9
750.00	AS. LAT	48.6	63.9	49.9	33.0	42.6	77.7	46.0	17.3	33.5
	AS.LONG	4.3	-4.2	29.0	9.1	-16.8	-30.9	52.4	12.5	-33.5

OTTAWA,CANADA

GEOGRAPHIC LATITUDE = 45.40 GEOGRAPHIC LONGITUDE = -75.60

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X F	X R	X F	X F	X R	X F	X R	X F
	AS.LONG	X R	X F	X R	X F	X F	X R	X F	X R	X F
1.50	AS. LAT	5.0	7.1	10.4	3.6	1.9	1.8	10.9	2.2	-0.2
	AS.LONG	61.3	62.0	66.5	58.5	58.0	58.9	66.4	56.3	52.7
2.50	AS. LAT	-22.0	-23.0	-23.0	-22.5	-21.2	-23.6	-23.5	-22.9	-22.2
	AS.LONG	2.5	6.2	7.3	1.3	-0.8	6.4	11.4	0.0	-0.4
3.50	AS. LAT	-16.9	-18.6	-19.7	-17.3	-14.7	-21.2	-22.2	-17.4	-14.8
	AS.LONG	-15.5	-12.1	-11.9	-18.0	-18.0	-11.4	-9.4	-20.2	-17.9
4.50	AS. LAT	-12.8	-11.3	-12.4	-12.3	-12.5	-7.0	-11.5	-12.0	-10.8
	AS.LONG	-25.5	-26.2	-24.7	-25.9	-27.1	-25.3	-23.0	-26.2	-30.7
5.50	AS. LAT	-7.7	-10.6	-11.5	-6.2	-4.8	-12.6	-13.9	-4.8	-4.7
	AS.LONG	-28.0	-25.2	-26.9	-31.7	-28.8	-26.0	-27.0	-35.1	-28.8
6.50	AS. LAT	-0.8	-0.9	-5.4	-2.6	3.4	-5.3	-11.0	-4.4	7.2
	AS.LONG	-32.5	-28.0	-29.0	-35.9	-35.2	-23.4	-26.0	-39.1	-35.5
7.50	AS. LAT	2.5	5.4	0.2	-0.4	5.2	5.8	-3.3	-3.3	9.8
	AS.LONG	-36.8	-33.9	-32.9	-38.2	-40.3	-28.0	-28.6	-39.5	-43.1
8.50	AS. LAT	3.5	6.5	3.2	1.7	4.5	10.6	2.4	0.0	7.4
	AS.LONG	-39.2	-38.5	-36.7	-39.4	-42.0	-34.9	-33.2	-39.6	-45.7
9.50	AS. LAT	3.9	5.3	4.2	4.2	4.2	9.8	5.0	4.3	5.5
	AS.LONG	-40.1	-40.3	-39.3	-40.2	-41.5	-39.6	-37.7	-40.5	-44.6
11.00	AS. LAT	5.1	3.5	4.3	8.0	6.0	5.3	4.6	10.5	6.3
	AS.LONG	-39.8	-39.5	-41.1	-41.5	-39.4	-40.8	-42.1	-43.1	-40.8
13.00	AS. LAT	8.2	3.8	4.5	12.7	11.4	1.4	2.0	16.5	12.4
	AS.LONG	-38.9	-36.2	-41.1	-43.4	-37.1	-36.6	-43.8	-47.8	-36.3
15.00	AS. LAT	12.1	6.7	5.6	16.4	17.7	1.4	0.0	19.8	20.5
	AS.LONG	-38.3	-33.0	-40.3	-45.4	-36.2	-31.2	-42.8	-52.7	-34.1
17.00	AS. LAT	16.1	10.7	7.3	19.4	23.7	3.9	-0.7	21.3	28.5
	AS.LONG	-38.2	-30.6	-39.4	-47.6	-36.5	-26.5	-41.1	-56.8	-33.8
19.00	AS. LAT	19.7	15.0	9.4	21.6	28.9	7.6	-0.5	21.8	35.5
	AS.LONG	-38.6	-29.1	-38.8	-49.6	-37.7	-22.8	-39.3	-60.3	-34.9
25.00	AS. LAT	28.0	26.4	15.4	25.6	39.7	20.0	2.5	21.1	49.8
	AS.LONG	-41.1	-27.5	-37.9	-54.7	-43.9	-16.3	-35.3	-66.7	-44.2
35.00	AS. LAT	35.7	38.9	22.7	28.3	47.6	36.0	8.9	19.0	58.5
	AS.LONG	-46.4	-29.4	-38.5	-60.4	-55.8	-12.4	-32.1	-71.3	-66.3
45.00	AS. LAT	39.5	46.1	27.3	29.2	50.1	46.2	13.9	17.6	58.9
	AS.LONG	-51.0	-33.1	-39.9	-63.8	-65.2	-11.9	-31.0	-73.2	-83.3
55.00	AS. LAT	41.6	50.4	30.3	29.6	50.7	53.0	17.5	16.6	57.1
	AS.LONG	-54.6	-36.9	-41.2	-66.1	-71.9	-12.7	-30.6	-74.1	-93.5
65.00	AS. LAT	42.8	53.2	32.4	29.8	50.6	57.7	20.2	16.0	55.2
	AS.LONG	-57.4	-40.4	-42.4	-67.7	-76.6	-14.2	-30.6	-74.7	-99.6
75.00	AS. LAT	43.6	55.1	33.9	29.9	50.3	61.2	22.2	15.6	53.4
	AS.LONG	-59.6	-43.5	-43.4	-68.8	-80.0	-16.1	-30.7	-75.1	-103.5
85.00	AS. LAT	44.1	56.5	35.1	29.9	49.9	63.8	23.8	15.2	51.9
	AS.LONG	-61.3	-46.2	-44.2	-69.7	-82.5	-18.0	-30.8	-75.3	-106.1
95.00	AS. LAT	44.4	57.4	36.0	29.9	49.5	65.8	25.0	15.0	50.6
	AS.LONG	-62.7	-48.5	-45.0	-70.4	-84.4	-20.0	-31.0	-75.5	-108.0
150.00	AS. LAT	45.2	59.8	38.6	29.8	47.8	71.7	29.1	14.3	46.3
	AS.LONG	-67.3	-57.0	-47.6	-72.6	-90.0	-30.0	-31.8	-76.0	-112.8
250.00	AS. LAT	45.4	60.9	40.3	29.7	46.3	74.9	31.9	13.9	43.1
	AS.LONG	-70.6	-63.6	-49.8	-74.0	-93.5	-42.1	-32.6	-76.3	-115.2
350.00	AS. LAT	45.5	61.2	41.0	29.6	45.6	76.0	33.1	13.7	41.6
	AS.LONG	-72.0	-66.7	-50.8	-74.7	-94.8	-49.1	-33.1	-76.4	-116.1
450.00	AS. LAT	45.5	61.3	41.4	29.6	45.2	76.5	33.8	13.6	40.8
	AS.LONG	-72.8	-68.4	-51.4	-75.0	-95.6	-53.5	-33.4	-76.4	-116.5
750.00	AS. LAT	45.4	61.3	41.9	29.5	44.6	77.0	34.8	13.5	39.7
	AS.LONG	-73.9	-70.8	-52.2	-75.5	-96.6	-60.1	-33.8	-76.5	-117.1

OULU,FINLAND

GEOGRAPHIC LATITUDE = 65.00 GEOGRAPHIC LONGITUDE = 25.42

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	20.7	-8.0	0.0	-12.8	-19.9	-22.2	-15.6	-9.9	6.5
	AS.LONG	514.2	318.1	460.0	334.4	288.4	297.4	601.6	526.6	246.3
1.50	AS. LAT	-10.8	-10.9	-10.3	-10.4	-10.3	-8.9	-9.3	-9.7	-10.8
	AS.LONG	123.2	123.1	126.0	123.0	119.2	118.6	125.8	121.8	117.7
2.50	AS. LAT	-0.2	-1.0	-3.6	-1.6	2.0	-3.1	-5.0	-2.8	4.2
	AS.LONG	90.6	92.0	93.9	90.4	87.6	91.2	93.8	89.8	85.8
3.50	AS. LAT	8.2	7.5	3.9	6.7	11.6	4.8	1.5	5.7	14.4
	AS.LONG	81.0	82.9	83.5	79.6	78.3	82.2	82.8	77.8	76.9
4.50	AS. LAT	14.1	15.5	14.5	14.5	14.6	20.3	15.0	14.8	15.2
	AS.LONG	73.4	72.6	74.2	73.4	72.9	73.1	77.8	73.9	71.2
5.50	AS. LAT	17.5	16.2	12.9	17.6	22.2	14.7	11.5	18.0	25.5
	AS.LONG	73.0	75.1	73.4	69.8	71.8	73.7	71.7	66.5	71.5
6.50	AS. LAT	24.1	25.7	18.7	20.9	28.3	23.2	11.8	17.6	32.7
	AS.LONG	71.0	74.7	74.8	68.4	66.9	78.6	76.2	65.7	63.8
7.50	AS. LAT	28.3	32.0	25.9	24.7	29.9	34.1	20.4	20.8	32.3
	AS.LONG	67.3	69.2	72.1	66.9	62.9	74.8	77.2	66.5	58.5
8.50	AS. LAT	29.9	33.1	29.8	27.9	30.1	38.0	28.1	25.7	30.9
	AS.LONG	64.2	64.0	67.5	65.0	61.7	66.8	73.2	65.9	58.2
9.50	AS. LAT	30.3	31.8	30.6	30.3	30.8	36.4	31.4	30.2	31.3
	AS.LONG	62.6	61.7	63.5	63.0	62.0	61.3	67.2	63.8	60.2
11.00	AS. LAT	30.9	30.0	29.3	32.8	33.2	31.9	30.2	34.7	34.7
	AS.LONG	62.1	62.5	60.7	60.4	63.6	60.6	60.4	59.0	63.9
13.00	AS. LAT	32.6	30.2	27.5	34.8	38.1	28.8	25.2	36.9	42.0
	AS.LONG	63.1	66.3	60.8	57.9	65.2	65.9	58.2	52.6	67.3
15.00	AS. LAT	35.1	32.7	27.1	36.3	43.1	29.5	21.4	36.9	49.4
	AS.LONG	64.2	70.4	62.6	56.1	65.7	72.5	59.9	47.9	68.1
17.00	AS. LAT	37.9	36.1	27.9	37.5	47.7	32.3	19.4	36.0	55.8
	AS.LONG	65.1	73.9	64.8	54.7	65.0	78.6	62.9	44.9	66.4
19.00	AS. LAT	40.6	39.8	29.3	38.5	51.5	35.8	18.8	35.0	60.9
	AS.LONG	65.5	76.7	66.8	53.7	63.4	84.0	66.0	43.0	62.5
25.00	AS. LAT	47.4	49.8	34.6	41.0	59.1	46.7	21.2	32.7	69.0
	AS.LONG	65.2	81.8	71.1	51.3	55.4	96.2	73.7	40.9	41.1
35.00	AS. LAT	54.4	61.0	42.1	43.6	63.8	59.9	27.9	31.3	68.4
	AS.LONG	61.7	83.8	74.4	48.5	40.3	109.6	81.3	40.5	9.0
45.00	AS. LAT	58.2	67.8	47.2	45.1	64.5	68.1	33.4	31.1	64.2
	AS.LONG	57.6	82.0	75.5	46.6	29.1	119.7	85.5	40.6	-3.7
55.00	AS. LAT	60.4	72.0	50.6	46.1	64.0	73.5	37.4	31.3	60.7
	AS.LONG	53.9	78.1	75.7	45.1	21.9	128.8	88.1	40.8	-8.9
65.00	AS. LAT	61.8	74.8	53.1	46.8	63.4	77.2	40.4	31.5	58.1
	AS.LONG	50.7	73.1	75.5	43.9	17.1	138.0	89.9	40.9	-11.4
75.00	AS. LAT	62.6	76.7	55.0	47.3	62.7	79.8	42.7	31.7	56.0
	AS.LONG	48.0	67.6	75.1	43.0	13.9	147.9	91.1	40.9	-12.7
85.00	AS. LAT	63.2	78.0	56.5	47.6	62.0	81.5	44.5	31.9	54.5
	AS.LONG	45.7	61.8	74.7	42.3	11.6	158.9	92.0	41.0	-13.6
95.00	AS. LAT	63.7	78.9	57.6	47.9	61.5	82.7	46.0	32.1	53.2
	AS.LONG	43.9	56.2	74.3	41.7	9.9	170.6	92.7	41.0	-14.1
150.00	AS. LAT	64.6	80.5	61.1	48.7	59.5	83.6	50.8	32.8	49.2
	AS.LONG	37.5	32.4	72.2	39.6	5.2	-135.9	94.7	41.1	-15.1
250.00	AS. LAT	65.0	80.1	63.5	49.2	57.9	81.4	54.2	33.3	46.5
	AS.LONG	32.7	13.8	70.0	38.1	2.5	-106.4	95.9	41.1	-15.4
350.00	AS. LAT	65.0	79.6	64.5	49.4	57.2	80.1	55.7	33.6	45.3
	AS.LONG	30.6	6.7	68.8	37.4	1.4	-98.1	96.3	41.0	-15.4
450.00	AS. LAT	65.1	79.3	65.0	49.5	56.8	79.3	56.5	33.8	44.7
	AS.LONG	29.5	3.1	68.1	37.1	0.9	-94.2	96.6	41.0	-15.4
750.00	AS. LAT	65.0	78.7	65.8	49.7	56.2	78.2	57.7	34.0	43.8
	AS.LONG	27.8	-1.4	66.9	36.5	0.2	-89.6	96.8	41.0	-15.4

PIC DU MIDI,FRANCE

GEOGRAPHIC LATITUDE = 42.93 GEOGRAPHIC LONGITUDE = 0.25

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	10.6	X R	X R	X R	14.6	-3.5	X R	20.2	5.7
	AS.LONG	467.8	X R	X R	X R	184.2	266.3	X R	438.3	146.9
6.50	AS. LAT	8.5	2.6	14.1	13.1	2.1	-1.2	X R	16.1	-2.9
	AS.LONG	148.2	139.2	182.2	159.7	128.2	144.2	X R	170.3	112.2
7.50	AS. LAT	-0.1	-1.9	5.4	0.0	-5.9	-4.0	8.6	-1.3	-9.8
	AS.LONG	123.2	114.8	137.0	127.1	111.2	107.8	155.8	127.7	100.0
8.50	AS. LAT	-7.1	-6.4	-0.1	-8.1	-12.4	-5.2	4.4	-8.6	-15.1
	AS.LONG	110.9	105.7	121.5	110.4	100.6	95.3	131.5	107.2	91.3
9.50	AS. LAT	-12.4	-11.4	-5.5	-12.1	-15.5	-9.1	1.6	-10.7	-16.1
	AS.LONG	101.8	100.6	112.9	98.4	91.2	91.5	121.6	93.5	82.8
11.00	AS. LAT	-15.6	-16.9	-12.5	-13.0	-13.6	-15.5	-3.7	-10.0	-10.4
	AS.LONG	90.2	93.4	103.4	84.9	79.5	90.0	114.6	79.4	72.5
13.00	AS. LAT	-12.6	-16.8	-16.8	-9.3	-4.9	-19.6	-11.8	-7.1	1.9
	AS.LONG	78.4	83.6	92.3	72.7	69.2	86.1	108.0	67.2	63.9
15.00	AS. LAT	-6.2	-10.7	-15.6	-4.2	4.4	-16.8	-17.5	-4.0	13.4
	AS.LONG	70.7	76.5	83.3	64.7	62.7	80.8	100.9	59.1	57.9
17.00	AS. LAT	0.4	-3.0	-11.8	0.5	12.5	-10.0	-19.5	-1.4	22.7
	AS.LONG	65.5	72.1	76.7	58.8	57.7	77.3	93.8	53.1	52.6
19.00	AS. LAT	6.4	4.4	-7.1	4.7	19.1	-2.0	-18.6	0.6	29.8
	AS.LONG	61.5	69.1	72.1	54.4	53.4	75.3	87.6	48.6	47.4
25.00	AS. LAT	19.5	21.8	5.5	13.2	31.7	18.4	-9.6	4.9	42.1
	AS.LONG	53.0	63.1	63.9	44.8	42.3	73.0	76.4	39.3	31.7
35.00	AS. LAT	30.8	38.0	18.7	20.2	40.4	39.6	4.2	8.2	47.6
	AS.LONG	42.9	55.0	54.4	35.1	27.5	70.3	68.9	30.8	10.4
45.00	AS. LAT	36.1	46.4	26.0	23.3	43.1	51.5	13.0	9.6	47.1
	AS.LONG	35.6	47.6	51.4	29.1	17.2	66.5	65.1	26.0	-2.6
55.00	AS. LAT	38.9	51.1	30.4	24.9	43.8	58.9	18.8	10.4	45.4
	AS.LONG	30.1	41.0	47.7	25.0	10.1	61.9	62.6	22.9	-10.5
65.00	AS. LAT	40.5	53.9	33.3	25.8	43.8	63.7	22.8	10.8	43.7
	AS.LONG	26.0	35.5	44.8	22.0	5.2	56.8	60.6	20.7	-15.5
75.00	AS. LAT	41.4	55.7	35.4	26.4	43.6	67.0	25.7	11.1	42.2
	AS.LONG	22.8	30.7	42.4	19.8	1.5	51.5	59.1	19.1	-18.9
85.00	AS. LAT	42.1	56.8	36.8	26.7	43.2	69.4	27.9	11.3	40.9
	AS.LONG	20.3	26.8	40.5	18.1	-1.1	46.2	57.8	17.9	-21.4
95.00	AS. LAT	42.5	57.6	38.0	27.0	42.8	71.0	29.6	11.4	39.7
	AS.LONG	18.3	23.5	38.9	16.8	-3.2	41.0	56.7	16.9	-23.2
150.00	AS. LAT	43.3	59.0	41.1	27.5	41.2	74.6	34.8	11.7	35.9
	AS.LONG	11.7	12.2	33.5	12.5	-9.5	18.3	53.0	13.9	-28.2
250.00	AS. LAT	43.4	59.2	43.0	27.6	39.7	74.9	38.2	11.7	33.0
	AS.LONG	7.1	4.1	29.2	9.5	-13.6	-1.5	49.9	11.7	-31.2
350.00	AS. LAT	43.3	59.0	43.7	27.5	38.9	74.5	39.6	11.8	31.6
	AS.LONG	5.1	0.6	27.3	8.2	-15.2	-9.8	48.5	10.8	-32.4
450.00	AS. LAT	43.3	58.9	44.0	27.5	38.5	74.1	40.4	11.8	30.9
	AS.LONG	4.0	-1.3	26.3	7.5	-16.1	-14.2	47.6	10.3	-33.0
750.00	AS. LAT	43.1	58.6	44.5	27.5	37.9	73.4	41.4	11.7	29.8
	AS.LONG	2.5	-3.9	24.7	6.5	-17.3	-19.8	46.4	9.6	-33.9

RESOLUTE,CANADA

GEOGRAPHIC LATITUDE = 74.69 GEOGRAPHIC LONGITUDE = -94.91

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	56.1	55.7	55.2	56.6	57.0	56.3	54.1	55.7	56.4
	AS.LONG	-93.2	-91.6	-94.1	-94.7	-92.0	-93.1	-93.3	-93.6	-93.8
1.50	AS. LAT	58.9	58.9	57.5	58.9	60.3	56.9	57.3	60.8	59.9
	AS.LONG	-91.7	-89.0	-91.9	-94.4	-91.3	-89.0	-95.6	-94.0	-87.2
2.50	AS. LAT	61.3	60.6	61.4	62.0	61.2	62.0	61.0	60.5	61.9
	AS.LONG	-90.0	-90.1	-92.1	-89.9	-88.1	-89.4	-89.7	-91.2	-91.3
3.50	AS. LAT	62.9	61.3	62.6	64.3	63.0	61.9	63.1	63.6	62.5
	AS.LONG	-88.9	-88.5	-92.9	-89.5	-85.1	-89.7	-92.6	-88.5	-86.7
4.50	AS. LAT	63.9	64.9	62.1	62.9	65.8	64.4	58.8	62.7	69.5
	AS.LONG	-88.8	-84.4	-87.3	-92.9	-90.4	-76.3	-87.9	-100.6	-88.8
5.50	AS. LAT	64.7	62.8	64.5	66.5	64.6	62.9	65.0	66.2	64.0
	AS.LONG	-87.5	-87.3	-92.9	-87.7	-82.4	-88.7	-94.0	-86.7	-82.8
6.50	AS. LAT	65.6	62.7	62.2	68.1	68.5	59.2	60.1	70.9	68.5
	AS.LONG	-87.2	-79.9	-93.8	-96.0	-78.4	-77.9	-100.7	-101.2	-67.8
7.50	AS. LAT	66.1	65.4	61.7	66.1	70.6	62.3	57.2	66.9	74.4
	AS.LONG	-87.4	-76.3	-88.9	-98.7	-84.8	-67.7	-92.9	-110.6	-73.1
8.50	AS. LAT	66.4	67.6	63.2	64.8	69.7	66.9	58.8	63.5	74.5
	AS.LONG	-87.3	-78.5	-85.2	-95.3	-89.9	-66.6	-85.3	-105.5	-89.5
9.50	AS. LAT	66.6	68.0	65.2	65.0	68.1	69.4	62.3	63.0	71.4
	AS.LONG	-86.8	-82.7	-84.6	-90.6	-89.5	-73.7	-82.1	-97.4	-93.9
11.00	AS. LAT	66.9	66.7	67.3	67.2	66.6	68.0	67.0	65.9	67.4
	AS.LONG	-85.6	-86.1	-88.2	-85.4	-83.8	-84.7	-86.9	-87.3	-86.3
13.00	AS. LAT	67.6	64.4	67.7	70.8	66.8	62.9	67.9	72.1	65.5
	AS.LONG	-84.2	-84.6	-95.1	-84.0	-74.3	-86.2	-101.8	-82.4	-70.7
15.00	AS. LAT	68.4	62.9	66.4	73.7	68.3	58.7	64.7	77.5	66.0
	AS.LONG	-83.1	-80.1	-99.3	-88.4	-66.0	-80.7	-111.0	-90.9	-55.9
17.00	AS. LAT	69.1	62.2	64.8	75.3	70.3	56.0	60.7	79.9	67.6
	AS.LONG	-82.5	-75.3	-100.8	-96.4	-59.3	-73.8	-113.4	-114.2	-42.7
19.00	AS. LAT	69.7	62.0	63.4	75.7	72.5	54.4	57.1	78.8	69.5
	AS.LONG	-82.3	-70.7	-100.6	-105.2	-54.1	-67.2	-112.6	-137.3	-30.8
25.00	AS. LAT	71.2	63.0	60.6	73.8	78.1	52.9	50.3	70.6	74.6
	AS.LONG	-82.6	-60.0	-97.0	-121.7	-44.8	-51.2	-105.7	-156.2	0.7
35.00	AS. LAT	72.5	65.5	59.0	69.9	84.2	54.1	45.8	61.5	78.4
	AS.LONG	-84.3	-49.4	-91.0	-127.9	-44.0	-34.7	-95.3	-153.7	-312.8
45.00	AS. LAT	73.1	67.6	58.6	67.6	87.4	55.7	44.3	56.8	78.1
	AS.LONG	-85.9	-43.4	-86.9	-128.0	-69.0	-24.9	-88.5	-149.3	-279.7
55.00	AS. LAT	73.5	69.2	58.6	66.1	87.8	57.2	43.8	54.2	76.9
	AS.LONG	-87.2	-39.5	-84.0	-127.2	-128.5	-18.4	-83.9	-145.9	-260.3
65.00	AS. LAT	73.8	70.4	58.7	65.1	86.7	58.3	43.7	52.5	75.7
	AS.LONG	-88.2	-36.9	-82.1	-126.4	-154.1	-13.7	-80.7	-143.4	-248.6
75.00	AS. LAT	73.9	71.3	58.9	64.5	85.6	59.3	43.7	51.3	74.6
	AS.LONG	-89.0	-35.0	-80.6	-125.6	-162.0	-10.2	-78.2	-141.4	-240.9
85.00	AS. LAT	74.1	72.1	59.0	64.0	84.7	60.0	43.7	50.5	73.7
	AS.LONG	-89.6	-33.5	-79.4	-124.9	-165.1	-7.4	-76.4	-139.9	-235.5
95.00	AS. LAT	74.1	72.6	59.2	63.6	84.0	60.6	43.8	49.8	73.0
	AS.LONG	-90.1	-32.4	-78.5	-124.4	-166.6	-5.2	-74.9	-138.6	-231.6
150.00	AS. LAT	74.4	74.6	59.7	62.5	81.8	62.7	44.3	48.1	70.6
	AS.LONG	-91.8	-28.9	-75.7	-122.4	-168.2	1.8	-70.2	-134.6	-220.5
250.00	AS. LAT	74.5	76.0	60.2	61.9	80.3	64.1	44.9	47.1	68.9
	AS.LONG	-93.0	-26.6	-73.8	-121.0	-167.8	7.0	-66.9	-131.7	-213.8
350.00	AS. LAT	74.5	76.6	60.5	61.6	79.6	64.8	45.1	46.7	68.2
	AS.LONG	-93.5	-25.7	-73.0	-120.3	-167.4	9.4	-65.5	-130.5	-211.1
450.00	AS. LAT	74.6	76.9	60.6	61.5	79.3	65.2	45.3	46.5	67.8
	AS.LONG	-93.8	-25.2	-72.5	-119.9	-167.2	10.7	-64.8	-129.8	-209.6
750.00	AS. LAT	74.6	77.4	60.8	61.3	78.8	65.7	45.6	46.3	67.2
	AS.LONG	-94.2	-24.4	-71.9	-119.4	-166.8	12.6	-63.7	-128.8	-207.6

REYKJAVIK, ICELAND

GEOGRAPHIC LATITUDE = 64.09 GEOGRAPHIC LONGITUDE = -21.58

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-10.0	-11.0	-11.1	-10.4	-9.6	-11.3	-9.9	-10.5	-10.6
	AS.LONG	69.1	70.3	72.0	69.1	67.5	71.5	71.3	68.7	66.7
1.50	AS. LAT	-0.2	-0.2	-1.3	0.4	0.6	1.8	0.3	1.1	0.7
	AS.LONG	47.2	46.3	47.7	46.1	46.2	48.4	48.1	45.1	43.8
2.50	AS. LAT	12.8	11.1	9.5	12.0	15.2	10.2	6.9	11.4	15.6
	AS.LONG	35.9	37.8	37.7	34.3	34.5	35.0	37.1	32.6	34.9
3.50	AS. LAT	19.5	17.8	15.6	19.0	22.7	15.4	12.3	18.5	23.9
	AS.LONG	31.5	33.8	33.0	29.0	30.2	31.7	32.2	26.5	30.6
4.50	AS. LAT	23.3	25.0	23.3	23.6	23.9	29.6	23.7	23.8	25.3
	AS.LONG	25.9	25.3	26.7	26.2	24.8	27.8	29.7	26.4	21.8
5.50	AS. LAT	26.4	24.1	22.0	27.4	30.2	22.6	19.5	28.3	31.7
	AS.LONG	27.2	29.2	27.1	23.5	27.0	26.7	25.4	19.9	27.3
6.50	AS. LAT	32.2	32.6	26.9	29.8	36.8	28.6	20.5	27.3	41.2
	AS.LONG	25.4	30.4	28.9	21.6	22.0	34.3	30.4	18.0	20.8
7.50	AS. LAT	35.0	38.4	32.5	31.7	37.4	39.1	27.7	28.3	41.3
	AS.LONG	21.5	24.9	26.5	20.3	16.8	32.4	31.5	19.1	12.4
8.50	AS. LAT	35.4	38.7	35.0	33.5	36.2	43.4	33.5	31.5	38.2
	AS.LONG	18.9	19.3	22.5	19.4	15.4	23.9	27.8	19.9	10.7
9.50	AS. LAT	35.1	36.7	35.1	35.3	35.7	41.7	35.6	35.2	36.7
	AS.LONG	18.0	17.0	19.3	18.6	16.5	17.4	22.5	19.2	13.1
11.00	AS. LAT	35.3	34.1	33.6	37.6	37.3	36.2	33.7	39.8	38.3
	AS.LONG	18.6	18.3	17.4	17.3	19.5	15.9	16.9	16.0	18.4
13.00	AS. LAT	37.0	33.7	32.0	40.2	41.8	31.9	28.9	43.0	44.6
	AS.LONG	20.5	23.0	18.1	15.5	22.7	21.5	15.6	10.1	24.2
15.00	AS. LAT	39.7	35.8	31.8	42.2	47.1	31.7	25.4	43.8	52.0
	AS.LONG	22.1	27.8	20.2	13.7	24.2	28.7	17.6	4.8	27.2
17.00	AS. LAT	42.6	39.2	32.6	43.7	51.9	33.9	23.6	43.4	59.0
	AS.LONG	23.1	31.8	22.4	11.9	24.1	35.3	20.6	0.9	27.2
19.00	AS. LAT	45.4	42.8	34.0	44.9	56.1	37.2	23.1	42.4	64.8
	AS.LONG	23.5	34.9	24.3	10.3	22.6	41.1	23.6	-1.7	24.4
25.00	AS. LAT	52.2	52.7	39.0	46.9	64.1	47.8	25.3	39.6	74.4
	AS.LONG	22.3	40.5	28.0	6.3	12.8	54.4	30.8	-5.5	-1.6
35.00	AS. LAT	58.5	63.9	45.8	48.4	68.2	60.9	31.3	36.7	72.2
	AS.LONG	17.0	42.3	30.4	1.9	-7.5	69.0	37.7	-6.9	-45.9
45.00	AS. LAT	61.6	70.5	50.3	48.9	67.7	69.0	36.2	35.3	66.4
	AS.LONG	11.3	39.6	30.8	-0.7	-21.3	80.1	41.4	-6.9	-58.2
55.00	AS. LAT	63.2	74.5	53.3	49.1	66.4	74.3	39.9	34.6	62.1
	AS.LONG	6.5	34.3	30.4	-2.5	-29.1	90.4	43.6	-6.8	-61.9
65.00	AS. LAT	64.1	77.1	55.5	49.3	65.0	77.8	42.6	34.2	58.9
	AS.LONG	2.7	27.5	29.7	-3.8	-33.7	100.8	45.0	-6.6	-63.2
75.00	AS. LAT	64.5	78.7	57.1	49.3	63.9	80.1	44.7	34.0	56.5
	AS.LONG	-0.3	20.1	29.0	-4.8	-36.6	112.1	46.0	-6.5	-63.6
85.00	AS. LAT	64.8	79.7	58.3	49.3	62.9	81.7	46.3	33.8	54.7
	AS.LONG	-2.7	12.6	28.3	-5.5	-38.5	124.1	46.7	-6.4	-63.8
95.00	AS. LAT	65.0	80.3	59.2	49.4	62.1	82.6	47.6	33.7	53.3
	AS.LONG	-4.7	5.5	27.6	-6.1	-39.9	136.5	47.2	-6.3	-63.8
150.00	AS. LAT	65.1	80.7	62.1	49.3	59.4	83.0	51.9	33.5	48.9
	AS.LONG	-11.0	-20.6	24.9	-7.9	-43.3	-173.7	48.5	-6.0	-63.3
250.00	AS. LAT	64.9	79.7	63.9	49.3	57.4	80.9	55.0	33.5	45.8
	AS.LONG	-15.4	-36.9	22.2	-9.1	-45.0	-147.4	49.1	-5.8	-62.6
350.00	AS. LAT	64.7	78.9	64.7	49.2	56.5	79.6	56.3	33.5	44.5
	AS.LONG	-17.2	-42.5	20.9	-9.6	-45.6	-139.6	49.3	-5.7	-62.2
450.00	AS. LAT	64.6	78.5	65.1	49.2	56.0	78.9	57.0	33.5	43.8
	AS.LONG	-18.2	-45.3	20.0	-9.9	-45.9	-136.0	49.4	-5.6	-62.0
750.00	AS. LAT	64.4	77.8	65.7	49.1	55.3	77.9	58.1	33.6	42.9
	AS.LONG	-19.5	-48.7	18.8	-10.4	-46.2	-131.5	49.5	-5.5	-61.6

RIO DE JANEIRO,BRAZIL

GEOGRAPHIC LATITUDE = -22.90 GEOGRAPHIC LONGITUDE = -43.22

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	-12.8
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	301.7
11.00	AS. LAT	X R	X R	X R	X R	2.8	X R	X R	X R	20.3
	AS.LONG	X R	X R	X R	X R	133.5	X R	X R	X R	80.7
13.00	AS. LAT	12.9	0.7	X R	17.6	20.4	X R	X R	10.8	14.1
	AS.LONG	111.1	126.1	X R	113.9	65.0	X R	X R	131.5	40.1
15.00	AS. LAT	21.1	17.9	9.3	23.7	14.2	7.6	X R	29.0	5.3
	AS.LONG	67.0	74.2	120.0	68.5	38.9	92.2	X R	78.4	21.1
17.00	AS. LAT	17.0	19.3	22.0	16.1	7.6	17.6	-11.0	19.7	-1.3
	AS.LONG	45.6	50.0	80.6	48.0	24.3	63.0	163.8	55.3	9.2
19.00	AS. LAT	12.0	17.5	21.1	8.5	2.3	20.8	16.7	9.8	-6.2
	AS.LONG	32.8	35.1	59.5	36.3	14.5	45.3	107.1	43.9	0.4
25.00	AS. LAT	0.9	11.1	11.0	-6.8	-7.6	21.1	21.1	-10.2	-14.8
	AS.LONG	12.3	11.3	30.9	18.1	-3.2	16.5	56.6	27.8	-17.0
35.00	AS. LAT	-8.1	4.7	0.3	-19.2	-15.0	18.1	10.3	-26.8	-20.3
	AS.LONG	-3.4	-6.0	12.8	3.4	-18.7	-4.1	31.3	14.8	-33.3
45.00	AS. LAT	-12.5	1.4	-5.2	-25.2	-18.2	16.0	3.6	-35.1	-22.3
	AS.LONG	-11.9	-14.9	4.0	-5.1	-27.5	-14.2	21.0	6.6	-42.7
55.00	AS. LAT	-15.1	-0.4	-8.5	-28.6	-19.9	14.7	-0.4	-39.9	-23.1
	AS.LONG	-17.3	-20.3	-1.3	-10.8	-33.2	-20.3	15.0	0.7	-48.9
65.00	AS. LAT	-16.6	-1.6	-10.7	-30.8	-20.9	13.7	-3.2	-43.0	-23.4
	AS.LONG	-21.2	-24.1	-5.1	-15.0	-37.3	-24.4	11.0	-3.8	-53.2
75.00	AS. LAT	-17.7	-2.5	-12.2	-32.2	-21.5	13.0	-5.1	-45.2	-23.6
	AS.LONG	-24.0	-26.8	-7.8	-18.2	-40.3	-27.4	8.2	-7.4	-56.5
85.00	AS. LAT	-18.5	-3.1	-13.3	-33.3	-21.9	12.5	-6.6	-46.7	-23.6
	AS.LONG	-26.2	-28.9	-9.9	-20.7	-42.6	-29.6	6.1	-10.4	-58.9
95.00	AS. LAT	-19.1	-3.6	-14.2	-34.1	-22.2	12.1	-7.8	-47.8	-23.6
	AS.LONG	-27.9	-30.6	-11.6	-22.7	-44.5	-31.4	4.4	-12.9	-60.9
150.00	AS. LAT	-20.7	-4.9	-16.7	-36.2	-22.9	10.9	-11.2	-51.0	-23.3
	AS.LONG	-33.4	-35.7	-16.8	-29.2	-50.3	-36.8	-0.7	-21.2	-67.1
250.00	AS. LAT	-21.7	-5.8	-18.3	-37.4	-23.2	10.1	-13.4	-52.8	-22.9
	AS.LONG	-37.3	-39.3	-20.5	-33.9	-54.4	-40.5	-4.3	-27.7	-71.4
350.00	AS. LAT	-22.1	-6.1	-19.0	-37.9	-23.3	9.7	-14.3	-53.4	-22.7
	AS.LONG	-38.9	-40.8	-22.1	-36.0	-56.1	-42.1	-5.9	-30.6	-73.2
450.00	AS. LAT	-22.2	-6.3	-19.3	-38.1	-23.3	9.6	-14.8	-53.7	-22.6
	AS.LONG	-39.9	-41.7	-23.0	-37.2	-57.1	-43.0	-6.7	-32.3	-74.3
750.00	AS. LAT	-22.5	-6.6	-19.8	-38.4	-23.4	9.3	-15.5	-54.1	-22.3
	AS.LONG	-41.2	-42.9	-24.2	-38.8	-58.5	-44.2	-7.9	-34.6	-75.7

ROME,ITALY

GEOGRAPHIC LATITUDE = 41.9C GECGRAPHIC LONGITUCE = 12.52

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
C.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LCNG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LCNG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LCNG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LCNG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	-14.1	1.7	-12.1	X R	X R	7.0
	AS.LCNG	X R	X R	X R	688.0	522.1	586.7	X R	X R	382.1
6.50	AS. LAT	-18.4	12.2	X R	-7.7	16.6	11.7	X R	X R	10.5
	AS.LCNG	274.6	205.8	X R	553.6	187.3	203.5	X R	X R	155.0
7.50	AS. LAT	14.6	8.3	14.8	16.3	6.5	0.3	-21.7	15.4	-1.2
	AS.LCNG	168.3	151.7	201.5	178.1	147.4	138.0	322.7	180.5	132.4
8.50	AS. LAT	4.0	2.3	13.4	2.6	-5.8	-1.6	15.0	C.4	-11.9
	AS.LONG	143.8	136.C	161.8	144.3	129.7	121.5	181.9	141.2	118.4
9.50	AS. LAT	-6.0	-5.C	5.9	-7.0	-13.7	-5.6	13.9	-7.1	-16.6
	AS.LCNG	129.9	127.6	145.0	126.8	116.3	116.2	159.9	121.8	105.6
11.00	AS. LAT	-14.7	-14.8	-5.8	-13.1	-15.6	-13.2	8.0	-1C.8	-13.1
	AS.LONG	113.9	117.1	130.3	1C8.6	99.9	113.0	145.1	1C3.2	90.5
13.00	AS. LAT	-15.1	-18.5	-15.6	-12.3	-8.4	-20.2	-3.6	-1C.3	-1.2
	AS.LCNG	97.8	103.3	115.4	92.4	85.7	106.3	133.8	87.6	78.5
15.00	AS. LAT	-9.7	-13.7	-17.4	-8.0	0.7	-19.1	-13.7	-8.0	1C.2
	AS.LONG	87.3	93.1	103.3	82.0	77.2	98.1	124.3	77.5	71.0
17.00	AS. LAT	-3.1	-6.2	-14.6	-3.4	8.8	-12.6	-19.0	-5.7	19.4
	AS.LONG	8C.6	86.8	94.4	74.8	71.3	92.3	115.1	7C.3	64.9
19.00	AS. LAT	2.8	1.3	-10.3	0.7	15.5	-4.5	-19.9	-3.5	26.4
	AS.LONG	75.7	82.8	88.2	69.5	66.4	89.0	106.9	65.0	59.3
25.00	AS. LAT	16.3	19.1	2.4	9.7	28.4	16.4	-12.3	1.0	38.6
	AS.LCNG	66.1	75.4	77.8	58.9	54.8	85.0	92.C	54.4	43.7
35.00	AS. LAT	28.1	35.7	16.1	17.3	37.4	37.9	1.8	5.0	44.4
	AS.LONG	55.5	66.7	69.3	48.6	4C.2	81.1	82.5	45.1	23.6
45.00	AS. LAT	33.7	44.3	23.8	20.8	40.5	49.9	11.0	7.0	44.3
	AS.LONG	48.2	59.2	64.0	42.3	30.2	76.8	78.0	39.8	11.0
55.00	AS. LAT	36.7	49.1	28.4	22.7	41.5	57.3	17.0	8.0	43.0
	AS.LONG	42.7	52.7	60.1	38.1	23.3	71.9	75.1	36.4	3.3
65.C0	AS. LAT	38.5	52.0	31.5	23.8	41.7	62.2	21.1	8.7	41.6
	AS.LONG	38.6	47.3	57.1	35.1	18.4	66.7	73.0	34.0	-1.6
75.00	AS. LAT	39.5	53.8	33.6	24.5	41.6	65.5	24.2	9.1	40.3
	AS.LONG	35.4	42.7	54.7	32.8	14.7	61.4	71.3	32.3	-5.1
85.C0	AS. LAT	40.3	55.0	35.2	24.9	41.4	67.8	26.5	9.4	39.1
	AS.LONG	32.9	38.9	52.7	31.0	12.0	56.2	70.0	31.0	-7.6
95.00	AS. LAT	4C.8	55.9	36.4	25.2	41.1	69.5	28.2	9.6	38.1
	AS.LONG	3C.9	35.6	51.1	29.6	9.9	51.3	68.8	29.9	-9.5
15C.00	AS. LAT	41.8	57.6	39.8	26.0	39.8	73.1	33.7	1C.2	34.6
	AS.LONG	24.2	24.7	45.6	25.1	3.4	30.1	64.9	26.6	-14.9
250.00	AS. LAT	42.1	57.9	41.8	26.3	38.5	73.7	37.2	1C.5	31.9
	AS.LONG	19.5	16.6	41.3	21.9	-0.7	11.6	61.7	24.3	-18.2
350.00	AS. LAT	42.1	57.8	42.5	26.3	37.8	73.3	38.7	10.5	30.6
	AS.LCNG	17.5	13.2	39.3	20.6	-2.5	3.7	60.2	23.3	-19.5
450.00	AS. LAT	42.1	57.7	42.9	26.4	37.4	73.C	39.5	1C.6	29.9
	AS.LONG	16.4	11.2	38.2	19.8	-3.4	-0.4	59.3	22.7	-20.2
750.00	AS. LAT	42.0	57.5	43.4	26.4	36.8	72.4	40.6	1C.6	28.9
	AS.LCNG	14.8	8.6	36.6	18.8	-4.7	-6.0	58.1	21.9	-21.2

SANAE, ANTARCTICA

GEOGRAPHIC LATITUDE = -70.46 GEOGRAPHIC LONGITUDE = -2.49

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X F	X F	X R	X F	X F	X R	X R	X R	X R
	AS.LONG	X F	X F	X R	X F	X F	X R	X R	X R	X R
1.50	AS. LAT	24.0	23.9	23.0	26.1	25.5	24.3	21.5	23.5	27.0
	AS.LONG	83.3	86.2	86.7	83.6	77.7	85.3	95.6	83.2	71.4
2.50	AS. LAT	18.8	20.5	19.2	16.6	17.2	20.5	21.5	24.5	13.3
	AS.LONG	30.7	31.6	33.1	31.8	28.1	31.8	37.5	36.9	25.6
3.50	AS. LAT	4.8	7.2	7.7	5.4	2.1	9.1	13.1	13.8	-1.2
	AS.LONG	19.8	18.9	22.8	23.4	17.7	19.0	26.4	25.3	17.2
4.50	AS. LAT	3.9	1.5	5.8	3.6	1.8	-0.7	5.2	-4.1	0.6
	AS.LONG	16.3	15.5	15.8	14.6	16.0	13.7	15.0	13.8	14.3
5.50	AS. LAT	-6.7	-7.2	-0.5	-2.4	-11.6	-6.0	6.1	2.9	-14.2
	AS.LONG	17.0	13.3	17.9	19.7	16.4	9.9	17.6	17.1	16.8
6.50	AS. LAT	-15.4	-12.5	-11.0	-15.8	-19.3	-9.4	-4.4	-9.2	-23.8
	AS.LONG	12.7	9.9	15.8	18.0	10.3	8.3	18.6	22.9	9.4
7.50	AS. LAT	-17.4	-14.7	-16.1	-21.4	-19.3	-12.9	-13.6	-22.2	-22.9
	AS.LONG	8.2	7.6	11.0	11.4	5.9	7.7	14.9	19.5	3.6
8.50	AS. LAT	-16.5	-15.8	-16.5	-20.3	-17.6	-16.4	-17.0	-26.3	-19.9
	AS.LONG	6.4	6.8	7.1	6.7	5.5	7.1	9.4	11.6	3.4
9.50	AS. LAT	-15.6	-17.1	-15.1	-17.1	-16.9	-19.6	-16.3	-23.8	-18.6
	AS.LONG	6.8	6.9	5.5	5.7	7.5	6.4	5.2	6.2	6.4
11.00	AS. LAT	-15.6	-19.5	-13.0	-13.7	-18.5	-23.6	-12.6	-17.0	-20.5
	AS.LONG	9.3	7.8	5.9	8.3	11.8	5.0	2.7	5.5	12.6
13.00	AS. LAT	-18.0	-23.2	-12.2	-13.0	-23.4	-27.5	-8.1	-11.0	-26.9
	AS.LONG	13.4	9.0	8.9	14.5	17.3	2.9	3.9	11.4	20.1
15.00	AS. LAT	-21.7	-26.9	-13.3	-15.3	-29.3	-30.2	-6.0	-9.7	-34.4
	AS.LONG	17.0	9.9	12.3	20.5	21.5	0.9	7.0	19.0	25.8
17.00	AS. LAT	-25.7	-30.2	-15.4	-18.8	-34.9	-32.1	-5.5	-11.1	-41.6
	AS.LONG	19.8	10.2	15.4	25.7	24.5	-0.9	10.5	26.2	29.8
19.00	AS. LAT	-29.5	-33.1	-17.8	-22.7	-40.0	-33.4	-6.2	-13.8	-47.9
	AS.LONG	21.9	10.2	18.1	30.0	26.4	-2.5	13.7	32.4	32.4
25.00	AS. LAT	-38.8	-39.4	-24.9	-33.3	-51.7	-35.7	-10.4	-23.6	-62.4
	AS.LONG	25.4	9.1	23.5	38.8	28.1	-6.2	21.1	46.3	34.5
35.00	AS. LAT	-48.6	-45.2	-33.5	-45.4	-62.7	-37.3	-17.7	-36.4	-75.7
	AS.LONG	26.4	6.0	27.9	46.4	24.1	-9.9	28.2	60.0	22.6
45.00	AS. LAT	-54.2	-48.2	-39.0	-53.0	-68.4	-38.0	-22.9	-44.6	-80.8
	AS.LONG	25.3	3.2	29.7	50.2	16.6	-11.9	31.9	68.5	-8.6
55.00	AS. LAT	-57.7	-50.0	-42.7	-58.0	-71.5	-38.4	-26.7	-50.1	-80.7
	AS.LONG	23.6	0.9	30.5	52.4	8.3	-13.3	34.1	74.6	-41.2
65.00	AS. LAT	-60.1	-51.1	-45.3	-61.6	-73.1	-38.6	-29.4	-54.0	-78.9
	AS.LONG	21.8	-0.9	30.8	53.8	0.4	-14.2	35.6	79.2	-58.6
75.00	AS. LAT	-61.9	-51.9	-47.2	-64.2	-73.9	-38.8	-31.5	-56.8	-76.9
	AS.LONG	20.1	-2.3	31.0	54.7	-6.3	-14.9	36.7	82.9	-67.2
85.00	AS. LAT	-63.1	-52.4	-48.8	-66.2	-74.4	-38.9	-33.2	-59.0	-75.3
	AS.LONG	18.6	-3.5	31.0	55.2	-12.1	-15.4	37.4	86.1	-71.9
95.00	AS. LAT	-64.1	-52.8	-50.0	-67.9	-74.6	-39.0	-34.5	-60.7	-73.9
	AS.LONG	17.2	-4.5	31.0	55.6	-16.9	-15.8	38.0	88.7	-74.7
150.00	AS. LAT	-66.9	-54.0	-53.7	-72.9	-74.2	-39.2	-38.7	-65.9	-69.2
	AS.LONG	11.6	-7.8	30.4	56.2	-31.8	-17.0	39.6	98.4	-80.3
250.00	AS. LAT	-68.5	-54.6	-56.3	-76.4	-73.2	-39.4	-41.8	-69.3	-65.9
	AS.LONG	6.7	-10.3	29.6	55.6	-41.1	-17.9	40.6	107.1	-82.3
350.00	AS. LAT	-69.1	-54.8	-57.4	-78.0	-72.6	-39.5	-43.1	-70.7	-64.5
	AS.LONG	4.3	-11.4	29.2	54.9	-44.6	-18.3	41.0	111.4	-82.9
450.00	AS. LAT	-69.5	-54.9	-58.0	-78.8	-72.2	-39.5	-43.8	-71.4	-63.6
	AS.LONG	2.9	-12.0	28.9	54.4	-46.4	-18.5	41.1	114.1	-83.1
750.00	AS. LAT	-69.9	-55.1	-58.8	-79.9	-71.7	-39.5	-44.8	-72.4	-62.5
	AS.LONG	0.8	-12.8	28.4	53.4	-48.8	-18.8	41.4	118.1	-83.4

MCMURDO SOUND, ANTARCTICA

GEOGRAPHIC LATITUDE = -77.85 GEOGRAPHIC LONGITUDE = 166.62

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	2.72	1.35	.68	.34	.17	.09	.05	.02	.01	.00
10 15	0	0	0	0	0	0	0	0	0	0
15 20	2.30	1.05	.48	.22	.10	.04	.02	.01	.00	.00
20 25	0	0	0	0	0	0	0	0	0	0
25 30	1.31	.57	.25	.11	.05	.02	.01	.00	.00	.00
30 35	2.82	1.20	.51	.22	.09	.04	.02	.01	.00	.00
35 40	3.04	1.22	.49	.20	.08	.03	.01	.01	.00	.00
40 45	.59	.26	.11	.05	.02	.01	.00	.00	.00	.00
45 50	5.33	1.99	.74	.28	.10	.04	.01	.01	.00	.00
50 55	2.90	1.53	.80	.42	.22	.12	.06	.03	.02	.00
55 60	11.34	3.74	1.25	.42	.14	.05	.02	.01	.00	.00
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	2.33	.85	.31	.12	.04	.02	.01	.00	.00	.00
75 80	0	0	0	0	0	0	0	0	0	0
80 85	5.80	2.25	.92	.39	.17	.08	.04	.02	.01	.00
85 90	1.25	.37	.11	.03	.01	.00	.00	.00	.00	.00
90 95	1.26	.62	.30	.15	.07	.04	.02	.01	.00	.00
95 100	2.07	.97	.45	.21	.10	.05	.02	.01	.00	.00
100 105	0	0	0	0	0	0	0	0	0	0
105 110	3.08	1.40	.64	.29	.13	.06	.03	.01	.01	.00
110 115	1.71	.74	.32	.14	.06	.03	.01	.00	.00	.00
115 120	2.65	1.15	.50	.22	.09	.04	.02	.01	.00	.00
120 125	6.60	2.70	1.11	.45	.19	.08	.03	.01	.01	.00
125 130	1.81	.75	.31	.13	.05	.02	.01	.00	.00	.00
130 135	9.51	3.59	1.35	.51	.19	.07	.03	.01	.00	.00
135 140	18.23	5.97	1.97	.65	.22	.07	.02	.01	.00	.00
140 145	10.06	3.40	1.21	.45	.18	.08	.04	.02	.01	.00

SOUTH POLE*

GEOGRAPHIC LATITUDE= -89.9 GEOGRAPHIC LONGITUDE= 0.0

RIGIDITY (IN BV)	ASYMP LAT (IN DEGREES)	ASYMP LONG (IN DEGREES)	RIGIDITY (IN BV)	ASYMP LAT (IN DEGREES)	ASYMP LONG (IN DEGREES)
0.90	-26.1	-18.0	75.00	-81.6	37.7
1.50	-36.1	-18.7	85.00	-82.6	39.1
2.50	-43.1	-16.9	95.00	-83.3	40.2
3.50	-47.6	-15.6	150.00	-85.7	43.6
4.50	-52.7	-18.1	250.00	-87.4	45.9
5.50	-52.2	-14.7	350.00	-88.1	46.8
6.50	-56.3	-10.6	450.00	-88.5	47.2
7.50	-59.7	-12.4	750.00	-89.1	47.6
8.50	-60.6	-16.0			
9.50	-60.0	-17.7			
11.00	-58.9	-16.3			
13.00	-58.5	-11.3			
15.00	-59.3	-5.6			
17.00	-60.7	-0.3			
19.00	-62.4	4.1			
25.00	-67.1	14.3			
35.00	-72.7	24.1			
45.00	-76.2	29.7			
55.00	-78.6	33.3			
65.00	-80.3	35.9			

* FOR VERTICAL DIRECTION ONLY

SULPHUR MOUNTAIN,CANADA

GEOGRAPHIC LATITUDE = 51.20 GEOGRAPHIC LONGITUDE =-115.61

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X F	X F	X R	X F	X F	X F	X R	X F	X F
	AS.LONG	X F	X F	X R	X F	X F	X F	X R	X F	X F
1.50	AS. LAT	-3.4	-5.7	0.3	-4.7	-8.0	-5.7	2.0	-6.3	-11.8
	AS.LONG	8.6	5.2	11.6	7.1	4.2	9.2	16.3	5.6	-1.4
2.50	AS. LAT	-31.5	-32.9	-33.2	-31.4	-29.8	-31.4	-32.5	-31.2	-29.9
	AS.LONG	-56.8	-54.4	-51.7	-58.0	-61.0	-58.1	-50.6	-59.4	-62.3
3.50	AS. LAT	-23.0	-25.0	-26.6	-22.7	-19.7	-25.5	-27.8	-22.2	-18.6
	AS.LONG	-75.6	-73.7	-72.8	-77.6	-77.9	-75.8	-72.3	-79.6	-78.7
4.50	AS. LAT	-14.5	-12.4	-14.5	-14.6	-13.9	-9.1	-15.4	-14.9	-11.8
	AS.LONG	-85.5	-85.8	-83.8	-85.3	-87.1	-83.1	-80.3	-84.9	-89.8
5.50	AS. LAT	-10.6	-13.1	-14.4	-8.7	-6.9	-13.1	-15.4	-6.7	-5.5
	AS.LONG	-87.1	-86.0	-87.1	-89.6	-87.4	-88.1	-87.9	-92.1	-87.5
6.50	AS. LAT	-3.1	-3.9	-9.0	-4.3	2.1	-8.5	-15.5	-5.6	6.5
	AS.LONG	-88.9	-85.3	-86.7	-92.2	-90.9	-83.2	-85.8	-95.4	-91.2
7.50	AS. LAT	2.2	4.5	-1.6	-0.7	5.7	3.4	-7.6	-3.6	10.4
	AS.LONG	-92.0	-88.8	-88.4	-93.7	-95.1	-83.8	-85.1	-95.5	-97.3
8.50	AS. LAT	4.6	7.7	3.2	2.5	6.2	10.7	0.3	0.3	9.3
	AS.LONG	-94.6	-93.3	-91.6	-94.8	-97.3	-89.0	-87.6	-95.1	-100.2
9.50	AS. LAT	5.6	7.5	5.3	5.4	6.4	11.9	5.0	5.0	8.1
	AS.LONG	-96.1	-96.2	-94.7	-95.7	-97.4	-94.3	-91.7	-95.4	-99.8
11.00	AS. LAT	6.6	5.7	5.7	9.1	8.1	8.4	6.2	11.4	9.1
	AS.LONG	-96.5	-96.9	-97.5	-96.9	-95.7	-97.8	-97.2	-97.2	-96.3
13.00	AS. LAT	8.8	5.1	5.0	13.1	12.6	3.8	3.3	17.2	14.7
	AS.LONG	-95.5	-94.4	-98.3	-98.2	-92.9	-95.7	-100.7	-101.0	-91.2
15.00	AS. LAT	11.8	6.8	5.0	16.3	18.0	2.7	0.0	20.4	22.0
	AS.LONG	-94.2	-90.9	-97.5	-99.4	-90.8	-90.8	-100.8	-105.0	-87.7
17.00	AS. LAT	15.0	9.9	5.9	18.9	23.4	4.1	-1.9	21.9	29.1
	AS.LONG	-93.1	-87.6	-96.1	-100.6	-89.8	-85.7	-99.4	-108.4	-85.7
19.00	AS. LAT	18.2	13.4	7.3	21.0	28.1	7.0	-2.8	22.6	35.6
	AS.LONG	-92.4	-84.9	-94.7	-101.7	-89.5	-81.0	-97.5	-111.2	-85.2
25.00	AS. LAT	26.1	23.7	12.5	25.2	38.7	17.6	-1.2	22.4	49.6
	AS.LONG	-91.8	-79.9	-91.5	-104.5	-91.8	-71.0	-91.9	-116.4	-89.3
35.00	AS. LAT	34.3	35.8	19.9	28.9	47.9	31.9	4.6	21.3	60.4
	AS.LONG	-93.4	-77.3	-89.0	-107.9	-99.0	-62.6	-86.0	-120.0	-105.0
45.00	AS. LAT	39.0	43.2	24.9	30.8	51.9	41.4	9.7	20.6	63.3
	AS.LONG	-95.7	-77.5	-88.2	-110.2	-106.1	-58.6	-82.9	-121.5	-121.0
55.00	AS. LAT	41.9	48.0	28.3	31.9	53.8	47.9	13.5	20.2	63.3
	AS.LONG	-97.8	-78.6	-88.1	-111.9	-111.8	-56.6	-81.1	-122.2	-132.7
65.00	AS. LAT	43.7	51.3	30.8	32.6	54.6	52.5	16.4	20.0	62.4
	AS.LONG	-99.7	-80.0	-88.2	-113.1	-116.3	-55.5	-80.0	-122.7	-140.4
75.00	AS. LAT	45.0	53.7	32.6	33.1	55.1	55.9	18.6	19.9	61.3
	AS.LONG	-101.2	-81.5	-88.5	-114.0	-119.7	-55.0	-79.3	-123.0	-145.6
85.00	AS. LAT	46.0	55.5	34.1	33.5	55.2	58.6	20.4	19.8	60.3
	AS.LONG	-102.5	-82.9	-88.7	-114.8	-122.4	-54.7	-78.8	-123.2	-149.2
95.00	AS. LAT	46.7	56.9	35.2	33.7	55.3	60.8	21.8	19.8	59.4
	AS.LONG	-103.7	-84.2	-89.0	-115.4	-124.5	-54.7	-78.4	-123.3	-151.8
150.00	AS. LAT	48.7	60.9	38.7	34.5	54.9	67.4	26.4	19.7	55.9
	AS.LONG	-107.5	-89.6	-90.1	-117.3	-131.1	-55.7	-77.5	-123.7	-158.6
250.00	AS. LAT	49.8	63.4	41.1	35.0	54.3	72.0	29.7	19.7	53.1
	AS.LONG	-110.5	-94.7	-91.3	-118.7	-135.5	-58.1	-77.2	-124.0	-162.2
350.00	AS. LAT	50.3	64.3	42.1	35.2	53.9	74.0	31.1	19.8	51.9
	AS.LONG	-111.9	-97.3	-91.9	-119.3	-137.3	-59.9	-77.1	-124.1	-163.5
450.00	AS. LAT	50.5	64.8	42.7	35.3	53.7	75.1	31.9	19.8	51.1
	AS.LONG	-112.7	-98.9	-92.3	-119.6	-138.3	-61.3	-77.1	-124.1	-164.1
750.00	AS. LAT	50.8	65.4	43.4	35.4	53.3	76.5	33.1	19.8	50.1
	AS.LONG	-113.8	-101.2	-92.8	-120.1	-139.6	-63.6	-77.1	-124.2	-165.0

SVERDLOVSK, U.S.S.R.

GEOGRAPHIC LATITUDE = 56.80 GEOGRAPHIC LONGITUDE = 60.63

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X F	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X F	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X F	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X F	X R	X R	X R
2.50	AS. LAT	-8.8	-6.3	X R	-11.0	5.5	6.8	X R	9.6	8.3
	AS.LONG	384.7	389.5	X R	339.7	264.4	399.6	X R	374.0	232.8
3.50	AS. LAT	-10.9	-12.0	-8.5	-9.9	-11.2	-10.8	-1.5	-8.4	-11.0
	AS.LONG	169.8	171.8	182.3	171.7	160.4	177.2	193.3	173.6	153.2
4.50	AS. LAT	-11.7	-10.8	-10.4	-11.0	-12.1	-7.2	-9.4	-10.3	-12.2
	AS.LONG	141.8	140.2	144.0	140.8	138.6	136.0	146.8	139.7	135.2
5.50	AS. LAT	-8.9	-10.8	-12.5	-8.3	-4.6	-12.4	-12.5	-7.6	-1.4
	AS.LONG	130.1	132.6	135.9	127.8	124.8	133.0	138.5	125.3	121.5
6.50	AS. LAT	-1.1	0.0	-6.2	-3.8	2.9	-3.3	-12.4	-6.5	7.3
	AS.LONG	120.3	122.4	126.8	119.8	114.7	126.4	133.7	119.4	110.2
7.50	AS. LAT	4.1	7.5	2.0	1.0	5.6	9.2	-3.1	-2.1	8.1
	AS.LONG	113.3	113.9	118.5	113.9	108.8	117.5	125.3	114.8	104.2
8.50	AS. LAT	6.4	9.4	6.6	5.1	6.6	14.2	5.3	3.7	7.6
	AS.LONG	108.8	108.2	112.1	109.6	106.0	109.3	117.4	110.4	102.5
9.50	AS. LAT	7.5	8.7	8.0	8.3	8.0	13.3	9.2	9.0	8.6
	AS.LONG	106.2	105.5	107.7	106.2	104.9	104.5	110.8	106.2	102.7
11.00	AS. LAT	9.1	7.6	7.6	11.9	11.5	9.4	8.8	14.8	13.2
	AS.LONG	104.4	104.9	104.4	102.4	104.3	103.2	104.6	100.5	103.7
13.00	AS. LAT	12.1	8.7	7.0	15.6	17.8	6.8	5.0	18.8	22.0
	AS.LONG	103.5	106.4	103.2	98.9	103.9	106.2	102.4	94.1	104.4
15.00	AS. LAT	16.0	12.2	7.8	18.5	24.3	8.1	2.1	20.4	30.8
	AS.LONG	103.2	108.3	103.5	96.4	103.1	110.2	103.2	89.3	103.9
17.00	AS. LAT	19.9	16.7	9.5	21.0	30.1	11.7	0.8	21.0	38.4
	AS.LONG	102.9	109.9	104.2	94.4	101.8	113.9	104.7	85.8	102.1
19.00	AS. LAT	23.7	21.4	11.8	23.1	35.0	16.3	0.9	21.2	44.6
	AS.LONG	102.4	111.2	104.8	92.7	100.1	117.0	106.4	83.4	99.2
25.00	AS. LAT	32.7	33.8	19.2	27.8	45.1	30.0	5.1	21.1	56.1
	AS.LONG	100.3	113.1	106.0	88.7	93.4	124.0	110.1	79.1	85.8
35.00	AS. LAT	41.7	47.2	28.6	32.3	52.7	46.4	13.9	21.3	61.1
	AS.LONG	95.9	112.3	106.2	84.1	81.3	130.4	113.6	75.9	61.6
45.00	AS. LAT	46.6	55.1	34.8	34.8	55.3	56.8	20.6	21.7	59.9
	AS.LONG	91.5	109.4	105.6	80.9	71.6	133.7	115.3	74.3	46.2
55.00	AS. LAT	49.5	60.0	38.9	36.2	56.1	63.7	25.5	22.1	57.7
	AS.LONG	87.8	105.7	104.6	78.6	64.6	135.4	116.3	73.3	37.8
65.00	AS. LAT	51.3	63.3	41.8	37.2	56.2	68.6	29.1	22.4	55.6
	AS.LONG	84.7	101.9	103.7	76.9	59.6	136.3	116.8	72.6	32.9
75.00	AS. LAT	52.6	65.5	44.0	37.9	56.0	72.2	31.8	22.7	53.9
	AS.LONG	82.2	98.1	102.7	75.5	55.9	136.6	117.1	72.1	29.8
85.00	AS. LAT	53.4	67.1	45.6	38.3	55.7	75.0	33.9	22.9	52.5
	AS.LONG	80.1	94.6	101.9	74.5	53.2	136.5	117.2	71.7	27.7
95.00	AS. LAT	54.0	68.3	46.9	38.7	55.4	77.3	35.6	23.1	51.3
	AS.LONG	78.3	91.3	101.1	73.6	51.0	136.1	117.3	71.4	26.2
150.00	AS. LAT	55.6	71.2	50.8	39.7	54.0	84.2	41.1	23.8	47.3
	AS.LONG	72.3	78.4	98.2	70.7	44.8	128.5	117.2	70.3	22.4
250.00	AS. LAT	56.3	72.2	53.4	40.3	52.7	88.1	45.0	24.4	44.5
	AS.LONG	67.8	67.1	95.4	68.7	40.8	74.7	116.8	69.5	20.4
350.00	AS. LAT	56.5	72.4	54.5	40.6	52.1	87.5	46.6	24.6	43.2
	AS.LONG	65.8	61.9	94.1	67.7	39.3	17.7	116.5	69.2	19.7
450.00	AS. LAT	56.6	72.4	55.0	40.7	51.7	86.6	47.6	24.7	42.5
	AS.LONG	64.6	58.9	93.3	67.2	38.4	2.6	116.3	69.0	19.3
750.00	AS. LAT	56.7	72.3	55.8	40.8	51.2	85.2	48.9	24.9	41.5
	AS.LONG	63.0	54.8	92.1	66.5	37.3	-7.5	11.6	68.7	18.8

SWARTHMORE,U.S.A.

GEOGRAPHIC LATITUDE = 39.90 GEOGRAPHIC LONGITUDE = -75.35

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X F	X R	X F	X F	X F	X R	X R	X F	X R
	AS.LONG	X F	X R	X F	X F	X F	X R	X R	X F	X R
1.50	AS. LAT	X F	X R	X F	X F	X F	X F	X F	X F	X F
	AS.LONG	X F	X R	X F	X F	X F	X F	X F	X F	X F
2.50	AS. LAT	7.4	8.5	14.5	9.8	1.2	19.7	26.7	12.1	-3.5
	AS.LONG	63.7	68.3	74.6	65.4	55.6	79.1	97.5	67.3	51.8
3.50	AS. LAT	-19.7	-19.8	-18.4	-20.1	-20.3	-19.0	-15.3	-20.4	-20.8
	AS.LONG	19.7	24.5	27.5	19.3	13.6	31.2	36.4	19.4	11.1
4.50	AS. LAT	-23.2	-22.4	-22.3	-22.5	-23.7	-18.5	-20.5	-21.8	-23.8
	AS.LONG	1.7	0.4	3.3	-0.3	-0.8	-3.3	3.8	-2.5	-5.2
5.50	AS. LAT	-19.3	-21.7	-22.4	-18.8	-16.5	-24.2	-24.4	-18.7	-15.9
	AS.LONG	-9.2	-4.4	-4.0	-13.4	-12.9	-2.6	0.0	-17.0	-14.1
6.50	AS. LAT	-12.9	-12.0	-16.3	-15.4	-9.4	-16.0	-20.7	-18.1	-5.4
	AS.LONG	-19.6	-15.5	-13.7	-21.4	-24.3	-8.8	-6.8	-22.7	-26.9
7.50	AS. LAT	-10.2	-6.7	-11.3	-13.1	-8.5	-5.1	-13.4	-15.7	-4.7
	AS.LONG	-26.1	-24.7	-21.7	-26.2	-30.4	-19.3	-16.1	-26.0	-34.7
8.50	AS. LAT	-9.7	-6.6	-9.3	-10.8	-9.2	-1.6	-8.9	-11.6	-7.1
	AS.LONG	-29.4	-29.7	-27.0	-29.1	-32.3	-27.8	-23.7	-29.1	-36.6
9.50	AS. LAT	-9.3	-8.3	-9.0	-8.3	-9.1	-3.3	-7.7	-7.1	-8.2
	AS.LONG	-30.7	-31.3	-30.0	-31.3	-32.2	-32.1	-28.9	-32.2	-35.5
11.00	AS. LAT	-7.7	-9.8	-9.1	-4.3	-6.2	-8.1	-9.1	-1.0	-5.7
	AS.LONG	-31.2	-30.3	-31.8	-33.9	-31.3	-32.3	-32.8	-36.8	-32.8
13.00	AS. LAT	-3.6	-8.3	-8.3	0.7	0.3	-11.2	-11.6	4.5	2.1
	AS.LONG	-31.4	-27.8	-32.1	-36.8	-30.8	-27.7	-33.6	-42.4	-30.6
15.00	AS. LAT	1.1	-4.3	-6.2	5.1	7.6	-10.0	-12.7	7.8	11.4
	AS.LONG	-31.9	-25.8	-31.9	-39.5	-31.4	-23.0	-32.5	-47.3	-30.4
17.00	AS. LAT	5.9	0.7	-3.5	8.6	14.3	-6.3	-12.4	9.6	20.0
	AS.LONG	-32.7	-24.6	-31.8	-42.0	-32.8	-19.5	-31.1	-51.3	-31.5
19.00	AS. LAT	10.1	5.8	-0.6	11.3	19.9	-1.5	-11.3	10.6	27.3
	AS.LONG	-33.7	-24.1	-31.8	-44.3	-34.7	-17.1	-29.9	-54.5	-33.8
25.00	AS. LAT	19.8	19.0	7.1	16.7	31.6	13.1	-5.9	11.4	41.9
	AS.LONG	-37.6	-24.7	-32.7	-50.0	-41.9	-13.5	-27.9	-61.0	-44.1
35.00	AS. LAT	28.6	32.7	16.0	20.7	40.2	30.8	2.3	10.9	50.8
	AS.LONG	-44.0	-28.7	-35.2	-56.4	-53.7	-12.6	-27.2	-66.2	-63.8
45.00	AS. LAT	33.0	40.3	21.3	22.3	43.2	41.8	8.2	10.3	51.9
	AS.LONG	-49.1	-33.4	-37.6	-60.4	-62.7	-14.1	-27.5	-68.8	-78.4
55.00	AS. LAT	35.3	44.9	24.6	23.1	44.1	48.9	12.3	9.8	50.8
	AS.LONG	-53.0	-37.7	-39.6	-63.1	-69.0	-16.4	-28.1	-70.3	-87.7
65.00	AS. LAT	36.7	47.7	26.9	23.5	44.3	53.7	15.3	9.5	49.3
	AS.LONG	-56.0	-41.5	-41.2	-65.0	-73.6	-19.1	-28.8	-71.4	-93.6
75.00	AS. LAT	37.6	49.7	28.6	23.8	44.1	57.2	17.5	9.3	47.8
	AS.LONG	-58.3	-44.8	-42.6	-66.5	-76.9	-21.8	-29.3	-72.1	-97.6
85.00	AS. LAT	38.2	51.0	29.8	23.9	43.9	59.8	19.3	9.1	46.6
	AS.LONG	-60.2	-47.5	-43.7	-67.6	-79.4	-24.5	-29.9	-72.6	-100.4
95.00	AS. LAT	38.6	52.0	30.8	24.0	43.6	61.7	20.6	9.0	45.5
	AS.LONG	-61.7	-49.9	-44.7	-68.4	-81.3	-27.0	-30.3	-73.0	-102.4
150.00	AS. LAT	39.5	54.4	33.5	24.1	42.2	67.2	24.9	8.5	41.6
	AS.LONG	-66.6	-58.1	-48.0	-71.1	-87.2	-38.2	-32.1	-74.2	-108.0
250.00	AS. LAT	39.9	55.4	35.3	24.1	40.9	70.0	27.8	8.2	38.6
	AS.LONG	-70.0	-64.4	-50.6	-73.0	-90.9	-49.7	-33.7	-75.0	-111.1
350.00	AS. LAT	39.9	55.7	36.0	24.0	40.3	70.9	29.1	8.1	37.2
	AS.LONG	-71.5	-67.3	-51.8	-73.8	-92.4	-55.7	-34.4	-75.4	-112.3
450.00	AS. LAT	39.9	55.8	36.4	24.0	39.9	71.2	29.7	8.1	36.4
	AS.LONG	-72.4	-68.9	-52.5	-74.3	-93.2	-59.2	-34.9	-75.5	-112.9
750.00	AS. LAT	39.9	55.9	36.9	24.0	39.4	71.6	30.7	8.0	35.4
	AS.LONG	-73.5	-71.1	-53.4	-74.9	-94.3	-64.4	-35.5	-75.8	-113.7

TBILISI, U.S.S.R.

GEOGRAPHIC LATITUDE = 42.08 GEOGRAPHIC LONGITUDE = 44.70

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	-6.3	X R	X R	-24.2	5.9	X R	X R	13.4
	AS.LONG	X R	353.4	X R	X R	308.0	461.4	X R	X R	219.6
7.50	AS. LAT	13.2	10.3	-7.8	8.7	12.4	1.7	X R	4.4	6.0
	AS.LONG	225.2	199.5	274.4	245.4	197.6	182.6	X R	256.4	178.6
8.50	AS. LAT	8.6	5.8	13.2	7.6	0.0	-0.2	10.6	3.1	-7.0
	AS.LONG	186.5	176.4	204.0	187.8	171.7	160.0	220.4	184.5	159.9
9.50	AS. LAT	-1.4	-0.8	8.3	-3.1	-10.4	-3.2	11.5	-4.3	-15.3
	AS.LONG	168.8	165.7	182.5	165.5	155.7	152.9	192.0	160.0	144.9
11.00	AS. LAT	-12.4	-11.6	-2.1	-11.6	-16.0	-10.3	7.9	-9.9	-15.4
	AS.LONG	151.1	154.3	165.9	145.1	136.9	149.2	176.3	138.8	126.6
13.00	AS. LAT	-16.1	-18.6	-13.3	-13.4	-11.4	-19.1	-1.0	-11.0	-5.2
	AS.LONG	133.3	139.5	150.9	127.2	119.9	142.7	166.2	121.7	111.8
15.00	AS. LAT	-12.5	-16.3	-17.5	-10.5	-3.1	-20.6	-10.8	-9.8	5.9
	AS.LONG	121.2	127.4	138.3	115.5	109.9	133.2	158.0	110.6	103.1
17.00	AS. LAT	-6.7	-9.8	-16.6	-6.5	4.7	-15.8	-17.4	-7.9	15.1
	AS.LONG	113.3	119.6	128.4	107.5	103.2	125.7	149.5	102.9	96.6
19.00	AS. LAT	-0.9	-2.7	-13.2	-2.6	11.4	-8.5	-20.1	-6.1	22.3
	AS.LONG	107.8	114.7	121.3	101.7	98.1	121.1	141.4	97.2	91.0
25.00	AS. LAT	12.5	14.9	-1.2	6.4	24.7	12.2	-15.3	-1.6	35.2
	AS.LONG	97.5	106.5	109.5	90.6	86.5	115.6	124.7	86.1	76.0
35.00	AS. LAT	24.9	32.1	12.6	14.5	34.7	34.0	-1.8	2.6	42.2
	AS.LONG	87.2	98.0	100.6	80.2	72.7	111.5	113.8	76.4	56.9
45.00	AS. LAT	31.0	41.1	20.7	18.5	38.4	46.4	7.5	4.9	43.0
	AS.LONG	80.2	91.1	95.4	74.0	63.0	107.6	109.1	71.1	44.6
55.00	AS. LAT	34.5	46.4	25.7	20.7	40.0	54.1	13.8	6.3	42.3
	AS.LONG	75.0	85.2	91.6	69.8	56.2	103.3	106.2	67.7	36.7
65.00	AS. LAT	36.6	49.7	29.0	22.1	40.6	59.2	18.2	7.1	41.2
	AS.LONG	71.0	80.2	88.8	66.8	51.3	98.9	104.1	65.3	31.5
75.00	AS. LAT	37.9	51.8	31.4	23.0	40.7	62.8	21.4	7.7	40.2
	AS.LONG	67.9	75.9	86.5	64.5	47.7	94.5	102.5	63.5	27.8
85.00	AS. LAT	38.8	53.3	33.1	23.6	40.7	65.4	23.9	8.2	39.2
	AS.LONG	65.4	72.4	84.6	62.7	44.9	90.1	101.2	62.1	25.1
95.00	AS. LAT	39.5	54.3	34.4	24.1	40.6	67.3	25.8	8.5	38.3
	AS.LONG	63.4	69.3	83.0	61.3	42.7	85.9	100.1	61.0	23.1
150.00	AS. LAT	41.1	56.8	38.3	25.3	39.8	72.0	31.6	9.4	35.3
	AS.LONG	56.8	58.7	77.7	56.8	35.9	67.4	96.3	57.6	17.2
250.00	AS. LAT	41.7	57.6	40.7	25.9	38.8	73.4	35.5	10.0	32.8
	AS.LONG	52.0	50.6	73.5	53.5	31.4	49.6	93.3	55.2	13.5
350.00	AS. LAT	41.9	57.7	41.6	26.0	38.3	73.5	37.1	10.2	31.7
	AS.LONG	49.9	47.0	71.6	52.1	29.6	41.3	91.9	54.2	12.0
450.00	AS. LAT	42.0	57.8	42.1	26.1	38.0	73.4	38.0	10.3	31.0
	AS.LONG	48.7	45.0	70.5	51.4	28.5	36.7	91.0	53.6	11.2
750.00	AS. LAT	42.0	57.7	42.7	26.2	37.5	73.0	39.2	10.4	30.1
	AS.LONG	47.1	42.2	68.9	50.3	27.1	30.5	89.8	52.8	10.2

TEHRAN,IRAN

GEOGRAPHIC LATITUDE = 35.67 GEOGRAPHIC LONGITUDE = 51.43

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	14.5
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	248.7
11.00	AS. LAT	-25.6	-10.0	X R	8.2	4.2	-32.6	X R	12.6	-11.1
	AS.LONG	309.0	529.9	X R	258.9	203.5	312.4	X R	236.3	176.2
13.00	AS. LAT	-4.0	2.0	7.3	-4.4	-14.9	13.0	X R	-2.0	-13.4
	AS.LONG	189.2	201.9	265.5	179.8	159.1	212.8	X R	173.6	140.6
15.00	AS. LAT	-15.2	-17.3	-0.7	-12.5	-11.4	-14.7	-7.2	-9.8	-3.5
	AS.LONG	159.3	169.4	195.5	153.1	136.5	182.1	372.7	149.6	123.0
17.00	AS. LAT	-13.5	-17.1	-14.2	-12.1	-4.1	-21.9	13.4	-11.6	5.8
	AS.LONG	141.4	149.1	170.6	136.6	123.6	160.1	219.7	134.5	112.3
19.00	AS. LAT	-8.6	-11.1	-16.7	-9.3	2.7	-17.4	-5.4	-11.3	13.3
	AS.LONG	130.1	137.0	154.0	125.7	115.0	145.8	192.0	123.9	104.4
25.00	AS. LAT	5.3	7.5	-7.5	-0.4	16.9	4.4	-18.3	-7.8	26.7
	AS.LONG	112.4	120.1	128.8	107.2	98.9	128.9	153.2	105.3	87.0
35.00	AS. LAT	18.3	25.6	6.8	8.0	27.4	27.9	-6.6	-3.4	34.4
	AS.LONG	98.0	107.2	113.2	92.6	82.9	119.3	130.1	90.7	67.6
45.00	AS. LAT	24.6	34.9	15.1	12.2	31.5	40.8	2.8	-1.1	39.8
	AS.LONG	89.4	98.5	105.4	84.6	72.6	112.8	121.2	83.1	55.4
55.00	AS. LAT	28.1	40.2	20.1	14.5	33.2	48.5	9.2	0.2	35.6
	AS.LONG	83.4	91.9	100.2	79.4	65.6	107.0	116.2	78.3	47.6
65.00	AS. LAT	30.2	43.4	23.4	15.9	34.0	53.6	13.6	1.1	34.9
	AS.LONG	79.0	86.5	96.5	75.7	60.5	101.6	112.8	75.1	42.2
75.00	AS. LAT	31.6	45.5	25.7	16.8	34.3	57.0	16.8	1.7	34.2
	AS.LONG	75.6	82.2	93.6	73.0	56.8	96.7	110.3	72.7	38.4
85.00	AS. LAT	32.5	46.9	27.4	17.4	34.4	59.5	19.2	2.1	33.4
	AS.LONG	72.9	78.6	91.3	70.9	53.9	92.2	108.3	70.9	35.6
95.00	AS. LAT	33.1	47.9	28.7	17.8	34.3	61.2	21.1	2.4	32.7
	AS.LONG	70.8	75.6	89.5	69.2	51.6	88.2	106.7	69.4	33.4
150.00	AS. LAT	34.7	50.3	32.3	19.0	33.8	65.5	26.7	3.2	30.1
	AS.LONG	63.8	65.5	83.3	63.9	44.6	72.2	101.5	65.0	26.8
250.00	AS. LAT	35.3	51.2	34.5	19.5	33.0	67.0	30.3	3.6	28.0
	AS.LONG	58.9	58.0	78.7	60.2	39.8	58.4	97.5	61.9	22.5
350.00	AS. LAT	35.5	51.4	35.3	19.6	32.5	67.2	31.8	3.8	27.0
	AS.LONG	56.8	54.7	76.6	58.6	37.8	52.0	95.8	60.6	20.8
450.00	AS. LAT	35.6	51.4	35.8	19.7	32.2	67.2	32.6	3.9	26.4
	AS.LONG	55.6	52.9	75.4	57.8	36.7	48.5	94.7	59.9	19.8
750.00	AS. LAT	35.6	51.4	36.3	19.8	31.8	67.0	33.7	4.0	25.5
	AS.LONG	53.9	50.3	73.8	56.5	35.2	43.6	93.3	58.8	18.5

THULE,GREENLAND

GEOGRAPHIC LATITUDE = 76.55 GEOGRAPHIC LONGITUDE = -68.84

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	65.5	65.5	64.7	65.4	66.5	65.5	64.6	66.1	65.7
	AS.LONG	-35.1	-32.0	-33.9	-37.2	-34.3	-34.8	-36.7	-35.5	-37.2
1.50	AS. LAT	67.3	68.0	66.6	66.7	68.7	65.6	64.6	68.0	68.6
	AS.LONG	-36.8	-33.2	-34.6	-39.2	-38.1	-30.4	-36.0	-43.5	-32.1
2.50	AS. LAT	68.7	67.6	68.0	69.7	68.8	69.2	68.6	68.8	68.8
	AS.LONG	-37.0	-36.0	-39.6	-39.2	-35.5	-37.6	-39.0	-38.5	-42.2
3.50	AS. LAT	69.7	68.0	68.3	71.1	70.4	68.1	68.5	71.4	69.3
	AS.LONG	-37.6	-34.6	-41.1	-42.1	-34.4	-37.5	-43.3	-41.5	-37.7
4.50	AS. LAT	70.4	72.0	69.7	68.9	71.4	73.2	67.4	67.1	74.8
	AS.LONG	-41.1	-37.3	-36.2	-43.9	-47.1	-24.6	-31.0	-50.5	-54.0
5.50	AS. LAT	70.6	68.5	69.2	72.5	71.4	68.1	69.1	73.3	70.6
	AS.LONG	-38.6	-35.2	-43.4	-44.0	-34.3	-37.4	-46.4	-44.8	-36.2
6.50	AS. LAT	72.0	70.5	67.6	72.0	76.1	66.7	63.9	72.5	77.8
	AS.LONG	-39.4	-25.4	-39.7	-54.4	-37.0	-19.4	-42.9	-67.2	-25.3
7.50	AS. LAT	72.4	73.9	68.6	69.8	76.2	71.9	63.9	67.6	80.9
	AS.LONG	-42.6	-26.9	-35.3	-54.1	-52.2	-9.2	-32.6	-65.8	-58.3
8.50	AS. LAT	72.1	74.8	70.4	69.3	73.7	76.4	67.1	66.1	76.6
	AS.LONG	-44.3	-36.2	-35.1	-49.6	-55.6	-16.6	-27.6	-56.9	-71.4
9.50	AS. LAT	71.7	73.4	71.5	70.2	71.9	76.5	70.4	67.6	72.9
	AS.LONG	-44.2	-42.2	-38.3	-45.8	-51.4	-33.8	-29.9	-49.3	-64.4
11.00	AS. LAT	71.5	70.6	71.5	72.6	71.4	71.9	72.0	72.2	71.2
	AS.LONG	-42.4	-41.7	-44.3	-44.0	-42.1	-42.2	-42.5	-44.9	-48.4
13.00	AS. LAT	72.0	68.3	69.8	75.3	73.3	66.1	68.8	77.4	73.1
	AS.LONG	-39.8	-34.3	-48.2	-49.6	-31.1	-34.4	-54.0	-56.9	-28.1
15.00	AS. LAT	72.8	67.6	68.0	76.4	76.3	62.9	64.3	78.0	76.8
	AS.LONG	-38.2	-26.0	-47.9	-59.9	-23.3	-23.3	-55.1	-82.5	-9.2
17.00	AS. LAT	73.7	67.9	66.6	76.0	79.5	61.3	60.6	75.1	80.7
	AS.LONG	-37.6	-18.6	-46.0	-69.4	-18.8	-12.9	-52.1	-98.2	11.7
19.00	AS. LAT	74.5	68.7	65.7	74.9	82.3	60.9	57.8	71.5	83.3
	AS.LONG	-37.8	-12.3	-43.5	-75.6	-18.1	-3.7	-48.1	-103.4	-314.3
25.00	AS. LAT	76.3	71.9	64.5	71.2	87.3	62.0	53.3	62.8	81.9
	AS.LONG	-40.8	2.0	-36.8	-81.6	-71.3	17.6	-37.0	-101.7	-215.3
35.00	AS. LAT	77.5	76.3	64.7	67.3	82.8	64.9	51.3	55.4	73.3
	AS.LONG	-47.4	17.1	-29.4	-80.2	-131.3	40.9	-24.8	-93.2	-179.4
45.00	AS. LAT	77.8	79.2	65.4	65.3	79.1	67.0	51.2	51.8	68.3
	AS.LONG	-52.4	27.4	-25.2	-77.6	-131.8	56.2	-17.6	-87.0	-166.8
55.00	AS. LAT	77.9	81.2	66.0	64.1	76.8	68.3	51.6	49.9	65.2
	AS.LONG	-55.8	35.5	-22.6	-75.5	-129.8	67.1	-12.9	-82.8	-159.7
65.00	AS. LAT	77.8	82.6	66.6	63.4	75.2	69.1	52.1	48.7	63.1
	AS.LONG	-58.2	42.4	-20.8	-73.9	-128.0	75.2	-9.6	-79.7	-155.0
75.00	AS. LAT	77.7	83.6	67.0	62.9	74.1	69.6	52.6	47.9	61.7
	AS.LONG	-59.9	48.7	-19.5	-72.7	-126.4	81.5	-7.1	-77.4	-151.6
85.00	AS. LAT	77.6	84.4	67.4	62.5	73.3	70.0	53.0	47.3	60.6
	AS.LONG	-61.2	54.5	-18.5	-71.7	-125.2	86.4	-5.3	-75.6	-149.1
95.00	AS. LAT	77.6	85.0	67.7	62.2	72.6	70.3	53.3	46.9	59.8
	AS.LONG	-62.1	60.0	-17.8	-70.9	-124.1	90.4	-3.8	-74.2	-147.1
150.00	AS. LAT	77.3	86.5	68.8	61.5	70.7	70.9	54.7	45.8	57.3
	AS.LONG	-64.9	85.5	-15.6	-68.3	-120.7	-255.4	0.7	-69.7	-141.0
250.00	AS. LAT	77.0	87.0	69.6	61.1	69.4	71.1	55.7	45.2	55.7
	AS.LONG	-66.6	-246.2	-14.2	-66.4	-118.2	-247.4	3.9	-66.6	-136.8
350.00	AS. LAT	76.9	87.0	69.9	60.9	68.8	71.1	56.2	45.0	55.1
	AS.LONG	-67.3	-232.3	-13.6	-65.6	-117.2	-243.4	5.3	-65.3	-135.0
450.00	AS. LAT	76.8	87.0	70.1	60.8	68.5	71.2	56.5	44.9	54.7
	AS.LONG	-67.6	-224.7	-13.3	-65.2	-116.5	-241.2	6.1	-64.5	-134.0
750.00	AS. LAT	76.7	86.8	70.4	60.7	68.1	71.2	56.9	44.8	54.2
	AS.LONG	-68.1	-214.7	-12.9	-64.6	-115.7	-238.1	7.2	-63.5	-132.7

TIXIE BAY, U.S.S.R.

GEOGRAPHIC LATITUDE = 71.55 GEOGRAPHIC LONGITUDE = 128.90

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-22.8	-22.4	-22.7	-22.9	-22.4	-22.8	-23.4	-22.9	-23.0
	AS.LONG	212.3	211.8	213.7	211.9	209.8	213.9	218.3	211.8	208.9
1.50	AS. LAT	-8.1	-7.0	-8.3	-8.2	-7.1	-10.3	-11.2	-9.0	-4.1
	AS.LONG	178.5	178.8	179.6	178.3	177.0	181.3	182.0	177.7	176.3
2.50	AS. LAT	7.7	5.9	6.0	9.4	8.9	8.1	6.8	10.7	8.3
	AS.LONG	167.8	168.4	167.7	166.3	167.7	167.3	167.6	166.0	166.3
3.50	AS. LAT	16.8	14.4	14.5	18.8	18.5	14.5	14.4	20.7	17.8
	AS.LONG	164.4	165.5	163.9	162.4	164.8	164.0	163.1	161.6	164.2
4.50	AS. LAT	23.6	25.1	22.8	22.8	24.9	26.2	20.5	21.4	28.6
	AS.LONG	161.5	162.6	163.4	161.0	159.6	166.8	166.0	159.7	157.5
5.50	AS. LAT	26.6	23.8	24.6	29.6	28.3	23.6	24.5	31.8	28.0
	AS.LONG	161.8	162.7	160.3	159.8	162.9	161.4	159.3	158.9	162.3
6.50	AS. LAT	31.5	29.2	26.3	32.5	36.2	24.6	21.7	34.1	38.8
	AS.LONG	161.9	166.4	162.0	157.0	162.2	168.2	160.8	152.4	164.5
7.50	AS. LAT	35.1	35.9	30.6	33.5	39.6	33.4	25.0	32.3	44.8
	AS.LONG	160.5	165.7	163.2	156.3	158.0	171.6	164.7	151.7	157.7
8.50	AS. LAT	36.9	39.1	34.7	35.0	39.5	40.3	31.0	32.9	43.9
	AS.LONG	159.0	162.2	162.5	157.0	155.5	168.5	165.9	154.2	152.2
9.50	AS. LAT	37.8	39.2	37.3	37.2	38.9	42.1	36.0	35.9	41.4
	AS.LONG	158.4	159.3	160.8	157.9	155.7	163.0	164.2	156.8	151.7
11.00	AS. LAT	39.0	37.7	38.8	41.1	39.4	39.3	39.2	42.2	40.0
	AS.LONG	158.7	158.5	158.2	158.6	158.6	158.5	159.1	158.5	156.2
13.00	AS. LAT	40.9	36.4	38.9	45.9	42.6	34.3	38.2	49.9	42.9
	AS.LONG	160.3	161.3	156.8	157.9	163.4	160.2	154.1	156.1	164.2
15.00	AS. LAT	43.4	37.0	38.8	49.5	47.2	31.8	35.4	54.6	48.5
	AS.LONG	161.9	165.4	156.9	156.0	167.3	165.3	152.6	149.9	171.4
17.00	AS. LAT	46.0	38.7	39.0	52.0	51.8	31.5	32.9	56.8	54.7
	AS.LONG	163.2	169.4	157.9	153.5	169.9	171.0	153.3	142.6	177.2
19.00	AS. LAT	48.4	41.0	39.5	53.7	56.2	32.6	31.2	57.2	60.6
	AS.LONG	164.1	173.0	159.1	150.9	171.5	176.4	154.8	136.0	181.6
25.00	AS. LAT	54.5	48.4	42.0	56.1	66.1	38.9	29.6	54.4	74.7
	AS.LONG	164.8	181.1	162.5	144.2	170.5	189.7	160.3	124.6	188.0
35.00	AS. LAT	60.7	57.7	46.2	56.9	74.5	48.6	31.5	49.4	87.2
	AS.LONG	162.8	188.6	165.9	137.6	156.8	204.7	167.1	119.7	133.0
45.00	AS. LAT	64.2	63.7	49.4	56.9	77.3	55.2	34.0	46.4	82.0
	AS.LONG	159.6	192.5	167.7	134.2	137.4	215.0	171.4	119.0	54.1
55.00	AS. LAT	66.2	67.8	51.8	56.7	77.6	59.6	36.3	44.7	77.0
	AS.LONG	156.4	194.7	168.6	132.2	121.5	222.7	174.2	119.2	50.1
65.00	AS. LAT	67.5	70.7	53.5	56.6	77.0	62.7	38.1	43.5	73.6
	AS.LONG	153.6	196.0	169.1	130.9	111.0	228.9	176.1	119.6	50.2
75.00	AS. LAT	68.4	72.9	54.8	56.5	76.2	65.0	39.6	42.8	71.1
	AS.LONG	151.2	196.7	169.4	130.0	104.3	234.0	177.5	120.0	50.9
85.00	AS. LAT	69.0	74.6	55.9	56.4	75.5	66.7	40.8	42.3	69.2
	AS.LONG	149.1	197.0	169.5	129.4	99.9	238.4	178.6	120.3	51.6
95.00	AS. LAT	69.5	75.9	56.7	56.3	74.8	68.0	41.7	41.9	67.7
	AS.LONG	147.4	197.1	169.6	128.9	96.9	242.1	179.5	120.6	52.3
150.00	AS. LAT	70.6	80.0	59.4	56.0	72.3	71.8	45.0	40.8	63.1
	AS.LONG	141.2	195.9	169.5	127.4	89.7	256.2	182.1	121.6	54.8
250.00	AS. LAT	71.1	82.8	61.3	55.8	70.4	73.9	47.5	40.2	60.1
	AS.LONG	136.5	192.2	169.0	126.5	86.5	268.5	183.8	122.4	56.7
350.00	AS. LAT	71.3	84.0	62.1	55.8	69.5	74.7	48.6	40.0	58.8
	AS.LONG	134.3	188.9	168.8	126.1	85.4	274.6	184.6	122.7	57.6
450.00	AS. LAT	71.4	84.6	62.6	55.7	69.1	75.1	49.2	39.9	58.1
	AS.LONG	133.1	186.2	168.6	125.9	84.9	278.2	185.0	122.9	58.1
750.00	AS. LAT	71.4	85.5	63.2	55.7	68.4	75.5	50.1	39.8	57.1
	AS.LONG	131.4	181.1	168.3	125.6	84.3	283.5	185.5	123.2	58.8

TRIVANDRUM,INDIA

GEOGRAPHIC LATITUDE = 8.48 GEOGRAPHIC LONGITUDE = 76.95

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
6.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
7.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
8.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
9.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
11.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
13.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
15.00	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	-2.1
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	224.0
17.00	AS. LAT	X R	X R	X R	X R	-2.0	X R	X R	X R	3.6
	AS.LONG	X R	X R	X R	X R	220.5	X R	X R	X R	181.8
19.00	AS. LAT	-4.5	-10.7	X R	-1.0	2.7	-9.7	X R	-18.7	5.9
	AS.LONG	237.0	243.2	X R	249.5	187.0	281.5	X R	311.6	160.2
25.00	AS. LAT	4.8	6.0	-0.6	3.0	7.3	2.9	7.9	4.4	8.0
	AS.LONG	170.3	173.0	206.9	173.7	145.7	181.1	423.4	183.8	126.6
35.00	AS. LAT	8.2	16.8	6.1	-0.5	8.7	22.5	1.6	-7.1	8.1
	AS.LONG	137.5	140.4	160.6	139.7	118.2	148.6	191.3	147.0	101.7
45.00	AS. LAT	9.1	20.6	8.1	-2.4	8.8	30.3	5.5	-12.5	7.7
	AS.LONG	122.5	124.9	142.7	124.5	104.7	132.5	166.7	131.0	88.8
55.00	AS. LAT	9.4	22.4	9.0	-3.5	8.7	34.1	7.2	-15.4	7.2
	AS.LONG	113.6	115.4	132.6	115.6	96.4	122.1	154.0	121.4	80.9
65.00	AS. LAT	9.4	23.3	9.4	-4.3	8.5	36.2	8.1	-17.1	6.8
	AS.LONG	107.6	109.0	125.9	109.6	90.8	114.7	146.1	115.0	75.4
75.00	AS. LAT	9.4	23.8	9.6	-4.8	8.3	37.5	8.7	-18.3	6.5
	AS.LONG	103.4	104.4	121.2	105.3	86.8	109.3	140.6	110.3	71.4
85.00	AS. LAT	9.4	24.1	9.8	-5.1	8.2	38.4	9.0	-19.1	6.2
	AS.LONG	100.2	100.8	117.7	102.1	83.7	105.0	136.6	106.8	68.3
95.00	AS. LAT	9.4	24.3	9.8	-5.4	8.0	38.9	9.3	-19.7	6.0
	AS.LONG	97.7	98.1	115.0	99.6	81.3	101.6	133.5	104.0	65.9
150.00	AS. LAT	9.1	24.7	10.0	-6.2	7.5	40.1	9.9	-21.3	5.3
	AS.LONG	89.9	89.5	106.7	91.8	73.8	91.0	124.2	95.4	58.3
250.00	AS. LAT	8.9	24.7	10.0	-6.7	7.1	40.4	10.2	-22.2	4.8
	AS.LONG	84.7	83.7	101.2	86.5	68.6	83.6	118.1	89.4	53.1
350.00	AS. LAT	8.8	24.6	9.9	-6.9	6.9	40.5	10.3	-22.6	4.5
	AS.LONG	82.5	81.2	98.8	84.2	66.4	80.5	115.6	86.9	50.8
450.00	AS. LAT	8.7	24.6	9.9	-7.0	6.8	40.4	10.3	-22.8	4.4
	AS.LONG	81.2	79.8	97.5	83.0	65.2	78.7	114.2	85.5	49.5
750.00	AS. LAT	8.6	24.5	9.9	-7.2	6.6	40.4	10.4	-23.0	4.2
	AS.LONG	79.5	77.9	95.7	81.2	63.5	76.3	112.2	83.5	47.7

UPPSALA,SWEDEN

GEOGRAPHIC LATITUDE = 59.85 GEOGRAPHIC LONGITUDE = 17.92

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X F	X F	X F	X F	X F	X R	X F	X R
	AS.LONG	X R	X F	X F	X F	X F	X F	X R	X F	X R
1.50	AS. LAT	3.1	X R	9.1	X R	X F	-5.8	X R	-5.2	3.6
	AS.LONG	497.3	X R	787.6	X R	X F	395.2	X R	599.3	246.5
2.50	AS. LAT	-9.5	-10.2	-10.2	-9.9	-9.1	-11.9	-8.8	-10.4	-8.2
	AS.LONG	115.3	116.2	122.8	117.4	110.1	120.8	132.1	120.0	105.0
3.50	AS. LAT	-5.1	-5.7	-8.7	-6.7	-2.6	-9.6	-11.8	-8.4	0.0
	AS.LONG	91.1	92.9	97.1	91.5	86.3	95.2	102.3	92.1	82.9
4.50	AS. LAT	-1.4	-0.5	-1.2	-0.4	-0.3	4.9	0.6	0.9	0.3
	AS.LONG	79.4	78.1	80.5	78.9	77.9	76.0	82.5	78.2	75.8
5.50	AS. LAT	4.1	2.5	-1.2	3.7	9.2	-0.1	-4.3	3.1	13.0
	AS.LONG	75.6	77.9	78.7	73.1	72.4	77.2	79.4	70.5	70.7
6.50	AS. LAT	11.9	13.8	6.9	8.4	15.7	11.1	-0.3	4.8	19.9
	AS.LONG	70.2	73.0	75.4	69.0	65.4	77.3	79.9	68.2	61.5
7.50	AS. LAT	15.8	19.7	14.2	12.6	17.0	22.5	9.7	9.3	19.3
	AS.LONG	65.0	65.9	69.8	65.6	60.9	70.5	76.0	66.3	56.6
8.50	AS. LAT	16.9	20.0	17.1	15.6	17.2	25.6	16.6	14.5	18.2
	AS.LONG	61.7	60.9	64.5	62.7	59.4	62.3	69.7	63.8	56.2
9.50	AS. LAT	17.2	18.4	17.1	17.9	18.2	23.4	18.5	18.8	19.1
	AS.LONG	60.2	59.1	61.0	60.4	59.5	57.8	63.7	60.7	57.7
11.00	AS. LAT	18.1	16.9	15.7	20.5	21.4	18.7	16.2	23.0	23.6
	AS.LONG	59.8	59.9	59.0	57.9	60.4	57.6	58.6	55.9	60.3
13.00	AS. LAT	20.9	18.0	14.7	23.3	27.3	16.2	11.4	25.6	32.0
	AS.LONG	60.4	63.2	59.4	55.6	61.3	62.4	57.8	50.4	62.4
15.00	AS. LAT	24.5	21.6	15.4	25.8	33.3	17.9	8.5	26.3	40.3
	AS.LONG	61.1	66.4	60.9	53.9	61.3	68.0	59.7	46.4	62.3
17.00	AS. LAT	28.2	26.1	17.2	27.9	38.7	21.8	7.5	26.3	47.4
	AS.LONG	61.5	69.0	62.4	52.5	60.3	73.0	62.2	43.7	60.3
19.00	AS. LAT	31.7	30.7	19.5	29.7	43.2	26.3	7.9	26.1	53.0
	AS.LONG	61.5	71.0	63.8	51.2	58.6	77.3	64.6	41.8	56.7
25.00	AS. LAT	40.1	42.5	26.8	33.8	52.1	39.6	12.6	25.6	62.5
	AS.LONG	59.9	74.1	66.3	47.9	50.9	86.6	70.2	38.6	39.4
35.00	AS. LAT	48.4	55.2	35.9	37.7	58.1	55.1	21.3	25.6	64.2
	AS.LONG	55.3	73.7	67.5	43.8	37.0	95.6	75.3	36.5	11.5
45.00	AS. LAT	52.7	62.5	41.7	39.8	59.5	64.7	27.8	25.8	61.1
	AS.LONG	50.6	70.2	67.2	40.8	26.3	101.0	77.8	35.5	-2.4
55.00	AS. LAT	55.1	67.0	45.5	41.0	59.5	71.1	32.5	26.2	58.0
	AS.LONG	46.5	65.4	66.4	38.7	19.1	105.0	79.3	34.8	-9.0
65.00	AS. LAT	56.6	69.8	48.3	41.8	59.0	75.6	35.9	26.5	55.5
	AS.LONG	43.1	60.1	65.5	37.1	14.2	108.3	80.1	34.3	-12.6
75.00	AS. LAT	57.6	71.7	50.3	42.3	58.5	78.9	38.5	26.8	53.5
	AS.LONG	40.3	54.8	64.6	35.8	10.7	111.4	80.7	34.0	-14.7
85.00	AS. LAT	58.2	73.0	51.8	42.7	57.9	81.5	40.5	27.0	51.9
	AS.LONG	38.0	49.9	63.7	34.8	8.2	114.6	81.0	33.7	-16.1
95.00	AS. LAT	58.6	73.9	53.0	43.0	57.4	83.5	42.1	27.2	50.7
	AS.LONG	36.1	45.3	63.0	34.0	6.3	118.3	81.3	33.5	-17.0
150.00	AS. LAT	59.6	75.5	56.5	43.7	55.5	88.7	47.3	27.8	46.5
	AS.LONG	29.7	27.7	59.8	31.3	1.0	-151.0	81.7	32.7	-19.3
250.00	AS. LAT	59.9	75.4	58.9	44.2	53.8	85.1	51.0	28.3	43.6
	AS.LONG	25.0	14.1	56.8	29.4	-2.1	-83.3	81.6	32.1	-20.4
350.00	AS. LAT	60.0	75.1	59.8	44.3	53.1	83.2	52.5	28.5	42.4
	AS.LONG	23.0	8.5	55.3	28.5	-3.3	-78.2	81.4	31.9	-20.7
450.00	AS. LAT	60.0	74.8	60.4	44.4	52.7	82.1	53.4	28.6	41.6
	AS.LONG	21.8	5.5	54.4	28.0	-3.9	-76.2	81.3	31.7	-20.9
750.00	AS. LAT	59.9	74.4	61.0	44.5	52.0	80.6	54.6	28.8	40.7
	AS.LONG	20.2	1.6	53.1	27.4	-4.8	-74.0	81.1	31.5	-21.1

USHUAIA,ARGENTINA

GEOGRAPHIC LATITUDE = -54.80 GEOGRAPHIC LONGITUDE = -68.30

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X F	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X F	X R
4.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
5.50	AS. LAT	X R	X R	X R	X R	-3.4	X R	X R	X R	9.3
	AS.LONG	X R	X R	X R	X R	134.3	X R	X R	X R	84.0
6.50	AS. LAT	-3.6	-7.0	16.1	5.8	7.2	-6.2	X R	12.4	15.0
	AS.LONG	106.3	116.7	423.9	88.0	72.4	112.2	X R	90.6	49.1
7.50	AS. LAT	8.0	12.9	-4.6	10.0	18.1	18.6	9.2	16.0	22.5
	AS.LONG	72.3	69.0	103.0	64.4	52.8	60.9	193.8	50.8	36.4
8.50	AS. LAT	21.5	25.6	7.0	16.7	28.2	25.6	-7.1	16.4	29.4
	AS.LONG	53.3	44.6	75.2	53.6	36.4	34.6	112.5	40.4	23.6
9.50	AS. LAT	29.6	27.9	19.9	25.7	30.5	23.4	-0.5	20.5	28.9
	AS.LONG	36.7	26.1	58.2	43.8	21.0	17.4	86.5	37.2	11.0
11.00	AS. LAT	28.8	21.9	30.4	33.2	22.6	15.8	16.2	29.9	18.1
	AS.LONG	17.1	8.9	37.1	27.0	6.2	2.4	64.6	31.7	0.4
13.00	AS. LAT	17.9	10.7	28.8	27.5	7.6	6.2	30.8	35.1	0.7
	AS.LONG	4.2	-2.2	16.9	11.0	-1.3	-8.5	42.7	18.5	-3.9
15.00	AS. LAT	6.6	1.0	20.7	16.2	-5.4	-0.9	32.6	28.5	-13.8
	AS.LONG	-1.1	-8.3	6.7	4.9	-4.6	-15.5	25.3	9.8	-5.8
17.00	AS. LAT	-2.9	-6.4	12.4	5.4	-15.8	-6.2	28.3	18.3	-25.4
	AS.LONG	-4.1	-12.6	1.6	2.9	-7.0	-20.8	14.4	7.4	-7.7
19.00	AS. LAT	-10.6	-12.3	5.1	-3.7	-24.0	-10.1	22.5	8.4	-34.5
	AS.LONG	-6.4	-16.1	-1.3	2.1	-9.3	-25.0	8.2	7.6	-10.1
25.00	AS. LAT	-26.1	-23.4	-10.4	-23.2	-40.0	-16.9	7.3	-13.9	-51.9
	AS.LONG	-11.9	-24.4	-6.2	0.9	-17.0	-34.2	0.6	10.7	-20.8
35.00	AS. LAT	-39.2	-31.7	-24.4	-40.9	-52.1	-21.2	-7.9	-35.3	-63.2
	AS.LONG	-20.1	-34.1	-11.3	-2.2	-31.0	-43.5	-3.5	14.2	-45.4
45.00	AS. LAT	-45.4	-35.2	-31.8	-50.4	-56.7	-22.7	-16.4	-47.4	-65.0
	AS.LONG	-27.0	-40.7	-15.2	-6.3	-43.4	-49.0	-5.9	15.8	-67.1
55.00	AS. LAT	-48.8	-37.0	-36.3	-56.1	-58.4	-23.3	-21.7	-55.1	-63.8
	AS.LONG	-32.5	-45.4	-18.3	-10.6	-53.0	-52.5	-7.6	16.5	-81.0
65.00	AS. LAT	-50.8	-37.9	-39.2	-59.9	-58.9	-23.6	-25.4	-60.4	-62.0
	AS.LONG	-37.0	-48.8	-20.8	-14.8	-60.1	-55.0	-9.0	16.7	-89.5
75.00	AS. LAT	-52.1	-38.4	-41.3	-62.4	-58.9	-23.7	-28.0	-64.3	-60.3
	AS.LONG	-40.6	-51.3	-22.9	-18.7	-65.5	-56.8	-10.2	16.5	-95.0
85.00	AS. LAT	-52.9	-38.8	-42.8	-64.2	-58.7	-23.8	-30.0	-67.3	-58.8
	AS.LONG	-43.5	-53.3	-24.6	-22.3	-69.5	-58.2	-11.1	16.2	-98.6
95.00	AS. LAT	-53.5	-39.0	-43.9	-65.6	-58.4	-23.8	-31.5	-69.7	-57.5
	AS.LONG	-45.9	-54.9	-26.0	-25.5	-72.7	-59.3	-11.9	15.7	-101.3
150.00	AS. LAT	-54.7	-39.3	-47.2	-69.0	-56.7	-23.6	-36.2	-76.9	-53.0
	AS.LONG	-53.9	-59.9	-31.1	-38.2	-81.8	-62.8	-14.7	12.1	-108.0
250.00	AS. LAT	-55.0	-39.2	-49.2	-70.4	-55.1	-23.3	-39.2	-81.8	-49.6
	AS.LONG	-59.6	-63.3	-35.1	-49.3	-87.5	-65.1	-17.1	4.3	-111.6
350.00	AS. LAT	-55.1	-39.1	-49.9	-70.7	-54.2	-23.2	-40.5	-83.7	-48.0
	AS.LONG	-62.1	-64.8	-37.0	-54.4	-89.7	-66.1	-18.1	-3.0	-113.0
450.00	AS. LAT	-55.0	-39.1	-50.3	-70.8	-53.7	-23.1	-41.2	-84.7	-47.2
	AS.LONG	-63.5	-65.6	-38.0	-57.4	-90.9	-66.7	-18.8	-9.6	-113.6
750.00	AS. LAT	-55.0	-39.0	-50.8	-70.9	-53.0	-23.0	-42.2	-85.9	-45.9
	AS.LONG	-65.4	-66.8	-39.5	-61.6	-92.5	-67.4	-19.7	-24.2	-114.6

UTRECHT,NETHERLANDS

GEOGRAPHIC LATITUDE = 52.06 GEOGRAPHIC LONGITUDE = 5.07

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X F	X R	X R	X R	X R	X R	X F	X R
	AS.LONG	X R	X F	X R	X R	X R	X R	X R	X F	X R
2.50	AS. LAT	X F	X R	X R	X R	12.7	0.4	X R	X F	3.5
	AS.LONG	X F	X R	X R	X R	1224.6	893.5	X R	X F	868.5
3.50	AS. LAT	4.4	1.3	10.2	7.5	0.2	7.3	11.4	10.5	-3.5
	AS.LONG	148.0	146.6	167.7	154.2	135.0	161.3	227.5	161.1	123.2
4.50	AS. LAT	-9.5	-8.9	-5.1	-9.1	-11.9	-7.3	-1.9	-8.2	-13.1
	AS.LONG	115.0	113.9	122.4	112.6	107.0	104.2	124.8	109.6	101.1
5.50	AS. LAT	-10.1	-12.0	-12.7	-10.3	-6.6	-14.9	-11.2	-11.0	-3.4
	AS.LONG	92.0	95.4	103.5	91.4	83.3	99.5	115.6	91.8	77.5
6.50	AS. LAT	-4.1	-2.0	-7.1	-7.1	-1.7	-4.9	-11.9	-9.9	1.6
	AS.LONG	77.1	78.0	85.5	78.5	70.1	83.2	96.9	80.7	64.0
7.50	AS. LAT	-2.1	1.8	-2.3	-4.4	-1.6	5.7	-4.2	-6.0	0.2
	AS.LONG	68.8	67.5	74.3	70.6	63.9	70.0	82.0	72.3	58.6
8.50	AS. LAT	-2.1	0.6	-1.5	-2.3	-1.7	7.0	-0.3	-1.7	-0.6
	AS.LONG	64.6	62.5	68.0	65.5	61.2	61.2	72.6	65.8	57.2
9.50	AS. LAT	-1.9	-1.3	-2.3	-0.3	-0.3	3.8	-0.5	1.9	1.0
	AS.LONG	62.3	60.8	64.6	61.9	59.9	57.6	67.1	60.7	57.0
11.00	AS. LAT	-0.2	-2.3	-3.6	2.9	4.0	-1.0	-3.8	6.1	7.1
	AS.LONG	60.5	60.9	62.5	58.0	58.6	57.8	63.9	54.8	56.9
13.00	AS. LAT	4.2	0.4	-3.1	7.3	11.9	-2.4	-7.6	9.6	17.6
	AS.LONG	59.0	61.8	61.5	54.3	57.2	61.1	63.7	48.9	56.3
15.00	AS. LAT	9.6	5.9	-0.6	11.4	19.6	0.9	-8.9	11.8	27.5
	AS.LONG	57.9	62.7	61.0	51.4	55.5	64.3	64.4	44.6	54.5
17.00	AS. LAT	14.9	12.1	2.7	14.9	26.3	6.4	-8.3	13.2	35.7
	AS.LONG	56.7	63.4	60.7	49.0	53.5	67.1	65.0	41.4	51.6
19.00	AS. LAT	19.7	18.0	6.4	17.9	31.9	12.6	-6.5	14.2	42.2
	AS.LONG	55.6	63.8	60.4	46.8	51.0	69.4	65.4	38.8	47.7
25.00	AS. LAT	30.4	32.5	16.5	24.3	42.8	29.3	1.3	16.1	53.4
	AS.LONG	51.6	63.5	59.4	41.4	42.5	74.3	66.1	33.6	32.4
35.00	AS. LAT	40.3	47.1	27.7	29.8	50.3	47.7	12.9	17.7	57.4
	AS.LONG	44.7	59.7	57.1	34.9	28.6	77.9	66.6	28.8	8.4
45.00	AS. LAT	45.1	55.1	34.3	32.4	52.4	58.7	20.6	18.6	55.6
	AS.LONG	38.8	54.3	54.7	30.6	18.2	78.4	66.5	26.1	-5.7
55.00	AS. LAT	47.8	59.7	38.5	33.8	52.7	65.9	25.9	19.1	53.2
	AS.LONG	34.1	48.6	52.5	27.5	11.0	77.3	66.1	24.3	-13.4
65.00	AS. LAT	49.3	62.6	41.4	34.6	52.5	70.8	29.7	19.5	50.9
	AS.LONG	30.3	43.1	50.6	25.2	6.0	75.0	65.7	23.0	-17.9
75.00	AS. LAT	50.3	64.4	43.4	35.1	52.0	74.4	32.5	19.7	49.1
	AS.LONG	27.4	38.1	48.9	23.5	2.4	71.7	65.2	22.1	-20.8
85.00	AS. LAT	50.9	65.7	45.0	35.5	51.5	77.0	34.7	19.9	47.6
	AS.LONG	24.9	33.7	47.5	22.1	-0.1	67.6	64.8	21.3	-22.8
95.00	AS. LAT	51.3	66.5	46.1	35.7	51.1	79.0	36.4	20.0	46.3
	AS.LONG	23.0	29.9	46.3	21.1	-2.2	62.7	64.4	20.8	-24.2
150.00	AS. LAT	52.2	68.0	49.6	36.3	49.2	83.7	41.7	20.5	42.1
	AS.LONG	16.5	16.4	41.9	17.6	-8.1	25.5	62.6	18.9	-27.9
250.00	AS. LAT	52.4	68.1	51.7	36.6	47.5	83.2	45.4	20.7	39.0
	AS.LONG	11.9	6.3	38.2	15.1	-11.7	-17.9	61.0	17.6	-29.9
350.00	AS. LAT	52.4	67.9	52.5	36.6	46.8	81.9	46.9	20.8	37.7
	AS.LONG	9.9	2.0	36.4	14.1	-13.1	-31.0	60.1	17.1	-30.7
450.00	AS. LAT	52.3	67.7	53.0	36.7	46.3	81.1	47.8	20.9	36.9
	AS.LONG	8.8	-0.2	35.4	13.5	-13.9	-36.5	59.6	16.8	-31.0
750.00	AS. LAT	52.2	67.3	53.5	36.7	45.7	79.8	49.0	21.0	35.8
	AS.LONG	7.3	-3.4	34.0	12.7	-14.9	-42.4	58.8	16.3	-31.5

VICTORIA,CANADA

GEOGRAPHIC LATITUDE = 48.50 GEOGRAPHIC LONGITUDE =-123.42

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X F	X R	X R	X R	X F
	AS.LONG	X R	X R	X R	X R	X F	X R	X R	X R	X F
1.50	AS. LAT	X R	X R	X F	X R	X R	X F	X F	X F	X R
	AS.LONG	X R	X R	X F	X R	X R	X F	X F	X F	X R
2.50	AS. LAT	-13.1	-10.3	-2.6	-11.2	-19.2	-6.9	11.8	-8.6	-23.5
	AS.LONG	-5.1	-0.3	6.6	-4.4	-13.8	-1.9	19.1	-2.8	-19.0
3.50	AS. LAT	-32.9	-34.2	-33.3	-32.9	-31.6	-34.2	-30.9	-33.0	-30.8
	AS.LONG	-51.1	-46.9	-41.5	-51.9	-58.6	-45.4	-34.0	-52.1	-62.7
4.50	AS. LAT	-29.6	-27.7	-29.0	-29.1	-29.3	-23.3	-28.1	-28.2	-28.1
	AS.LONG	-73.5	-75.1	-71.0	-73.9	-76.5	-75.7	-67.6	-74.6	-80.5
5.50	AS. LAT	-24.9	-27.7	-29.3	-23.3	-20.5	-28.6	-30.9	-22.1	-18.2
	AS.LONG	-81.0	-78.8	-77.2	-84.0	-84.1	-80.4	-75.2	-87.0	-85.7
6.50	AS. LAT	-15.6	-16.1	-21.5	-17.5	-10.4	-21.4	-28.6	-19.7	-5.5
	AS.LONG	-87.8	-84.3	-82.9	-90.0	-91.7	-80.9	-77.9	-92.0	-93.8
7.50	AS. LAT	-9.8	-7.0	-13.1	-12.8	-6.8	-7.6	-18.7	-15.8	-2.4
	AS.LONG	-93.3	-90.9	-88.6	-94.0	-97.2	-85.9	-83.2	-94.5	-100.6
8.50	AS. LAT	-7.5	-4.3	-8.4	-9.2	-6.2	-0.3	-10.4	-10.6	-3.4
	AS.LONG	-96.9	-96.4	-93.7	-96.7	-99.9	-92.8	-88.9	-96.4	-103.2
9.50	AS. LAT	-6.6	-4.9	-6.9	-6.2	-5.6	0.2	-6.5	-5.4	-4.0
	AS.LONG	-98.9	-99.3	-97.3	-98.6	-100.4	-98.4	-94.2	-98.4	-102.9
11.00	AS. LAT	-5.4	-6.7	-7.0	-2.2	-3.2	-3.8	-6.4	1.0	-1.5
	AS.LONG	-99.7	-100.1	-100.1	-100.5	-99.5	-101.5	-99.7	-101.5	-100.3
13.00	AS. LAT	-2.4	-6.6	-7.3	2.2	2.4	-8.2	-9.8	6.8	5.6
	AS.LONG	-99.2	-97.9	-100.8	-102.2	-97.5	-99.4	-102.3	-105.7	-96.4
15.00	AS. LAT	1.4	-3.8	-6.5	6.1	8.9	-8.5	-12.6	10.2	14.0
	AS.LONG	-98.3	-94.9	-100.1	-103.6	-96.1	-94.9	-102.0	-109.4	-93.9
17.00	AS. LAT	5.6	0.2	-4.6	9.4	15.0	-5.9	-13.8	12.1	21.9
	AS.LONG	-97.5	-92.2	-99.0	-104.8	-95.5	-90.3	-100.6	-112.5	-92.7
19.00	AS. LAT	9.5	4.7	-2.3	12.1	20.4	-2.0	-13.7	13.3	28.9
	AS.LONG	-97.1	-90.0	-97.9	-105.9	-95.6	-86.2	-98.9	-114.9	-92.7
25.00	AS. LAT	19.1	16.9	4.9	18.0	32.3	10.8	-9.8	14.8	43.6
	AS.LONG	-97.1	-86.0	-95.6	-108.8	-98.1	-77.6	-94.5	-119.8	-97.3
35.00	AS. LAT	28.9	30.6	14.1	23.3	42.6	27.1	-1.6	15.5	55.1
	AS.LONG	-99.2	-84.4	-94.2	-112.6	-105.2	-70.6	-90.2	-123.9	-111.4
45.00	AS. LAT	34.3	38.7	20.1	26.0	47.3	37.5	4.5	15.8	58.8
	AS.LONG	-101.8	-85.1	-94.1	-115.3	-111.9	-67.6	-88.0	-125.9	-125.3
55.00	AS. LAT	37.6	44.0	24.0	27.6	49.6	44.5	9.1	16.0	59.4
	AS.LONG	-104.2	-86.6	-94.4	-117.3	-117.4	-66.3	-86.9	-127.1	-135.8
65.00	AS. LAT	39.8	47.6	26.9	28.7	50.8	49.5	12.4	16.1	59.0
	AS.LONG	-106.2	-88.3	-94.9	-118.8	-121.7	-65.8	-86.2	-127.9	-143.2
75.00	AS. LAT	41.3	50.2	28.9	29.4	51.4	53.2	14.9	16.2	58.3
	AS.LONG	-107.9	-89.9	-95.4	-119.9	-125.1	-65.7	-85.8	-128.5	-148.3
85.00	AS. LAT	42.4	52.1	30.5	29.9	51.8	56.0	16.9	16.3	57.5
	AS.LONG	-109.3	-91.4	-95.8	-120.8	-127.8	-65.8	-85.6	-128.9	-152.0
95.00	AS. LAT	43.2	53.6	31.8	30.3	52.0	58.3	18.5	16.4	56.8
	AS.LONG	-110.5	-92.8	-96.2	-121.6	-129.9	-66.1	-85.5	-129.3	-154.8
150.00	AS. LAT	45.6	57.9	35.7	31.4	52.0	65.3	23.6	16.7	53.8
	AS.LONG	-114.7	-98.4	-97.9	-124.0	-136.7	-68.4	-85.3	-130.3	-162.4
250.00	AS. LAT	46.9	60.5	38.3	32.1	51.6	70.0	27.1	16.9	51.2
	AS.LONG	-117.9	-103.5	-99.5	-125.8	-141.3	-72.0	-85.4	-131.0	-166.7
350.00	AS. LAT	47.4	61.5	39.4	32.4	51.3	72.0	28.7	17.0	50.1
	AS.LONG	-119.4	-106.1	-100.2	-126.5	-143.3	-74.4	-85.6	-131.4	-168.3
450.00	AS. LAT	47.7	62.0	40.0	32.5	51.1	73.0	29.5	17.0	49.4
	AS.LONG	-120.3	-107.7	-100.7	-127.0	-144.3	-76.1	-85.7	-131.5	-169.1
750.00	AS. LAT	48.0	62.7	40.8	32.7	50.8	74.5	30.7	17.1	48.4
	AS.LONG	-121.5	-109.9	-101.4	-127.6	-145.8	-78.9	-85.8	-131.8	-170.2

VOSTOK,ANTARCTICA

GEOGRAPHIC LATITUDE = -78.47 GEOGRAPHIC LONGITUDE = 106.87

RIGIDITY (IN GV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-63.0	-63.0	-62.7	-63.1	-63.8	-63.7	-61.4	-62.4	-63.4
	AS.LONG	30.5	28.5	28.5	29.3	30.8	28.1	31.5	33.1	29.0
1.50	AS. LAT	-66.1	-65.4	-64.2	-65.2	-67.3	-65.6	-65.6	-66.8	-67.7
	AS.LONG	35.1	32.2	34.5	37.4	34.0	28.1	31.1	32.9	36.6
2.50	AS. LAT	-68.0	-68.6	-68.4	-68.7	-68.3	-68.6	-67.4	-70.8	-68.7
	AS.LONG	36.1	35.2	35.6	36.2	37.7	36.1	42.9	45.7	35.0
3.50	AS. LAT	-68.9	-70.0	-68.8	-68.7	-69.7	-70.9	-70.0	-71.8	-69.8
	AS.LONG	38.8	36.0	35.4	38.8	42.2	35.7	40.0	40.3	41.8
4.50	AS. LAT	-71.4	-69.8	-69.3	-72.6	-72.8	-67.9	-64.8	-70.4	-75.2
	AS.LONG	43.6	39.9	48.5	51.6	38.8	34.8	48.5	63.2	34.4
5.50	AS. LAT	-70.2	-71.8	-69.9	-69.6	-71.1	-73.0	-71.3	-72.1	-71.4
	AS.LONG	41.1	37.9	36.3	41.7	46.3	36.8	38.3	40.9	47.7
6.50	AS. LAT	-70.1	-71.0	-66.3	-68.0	-74.0	-71.8	-64.5	-65.8	-76.3
	AS.LONG	48.4	36.0	42.6	56.3	53.7	23.4	34.2	55.0	62.8
7.50	AS. LAT	-72.0	-70.6	-67.2	-71.5	-76.3	-68.7	-62.0	-67.7	-80.5
	AS.LONG	52.2	39.1	52.8	66.3	49.0	26.8	47.6	74.0	49.5
8.50	AS. LAT	-73.6	-71.2	-70.3	-75.2	-76.1	-68.3	-64.8	-73.2	-79.2
	AS.LONG	50.5	42.4	56.8	64.2	42.0	34.7	58.2	82.4	31.2
9.50	AS. LAT	-74.1	-72.2	-72.8	-76.2	-74.8	-69.9	-69.3	-77.6	-76.3
	AS.LONG	46.4	43.8	53.3	53.3	40.7	40.8	61.0	74.0	32.0
11.00	AS. LAT	-73.1	-73.6	-73.5	-73.7	-73.2	-73.5	-73.5	-76.7	-73.6
	AS.LONG	42.7	42.5	41.5	43.4	45.8	43.2	48.7	48.2	44.8
13.00	AS. LAT	-71.4	-74.3	-70.3	-69.3	-72.6	-76.9	-71.0	-69.8	-72.9
	AS.LONG	43.9	37.9	33.6	46.6	55.9	32.5	28.1	45.3	64.5
15.00	AS. LAT	-70.1	-74.0	-66.6	-66.1	-73.1	-77.0	-65.1	-64.0	-73.8
	AS.LONG	48.1	33.9	34.7	55.0	65.5	15.7	24.2	54.9	82.6
17.00	AS. LAT	-69.4	-73.3	-63.8	-64.2	-74.1	-75.0	-59.9	-60.1	-75.3
	AS.LONG	52.8	31.8	38.8	63.6	73.6	5.2	27.4	65.5	99.1
19.00	AS. LAT	-69.1	-72.6	-61.7	-63.2	-75.3	-72.5	-55.8	-57.5	-76.7
	AS.LONG	57.3	31.1	43.6	71.5	80.5	1.1	32.4	75.2	114.4
25.00	AS. LAT	-69.4	-70.9	-58.6	-62.4	-78.7	-66.5	-48.7	-53.7	-79.4
	AS.LONG	67.9	32.5	56.2	89.6	95.8	1.9	46.9	97.5	156.1
35.00	AS. LAT	-70.8	-69.6	-57.5	-63.4	-82.7	-61.4	-44.5	-52.5	-79.6
	AS.LONG	78.6	36.7	69.8	108.1	111.9	9.1	63.1	119.7	206.3
45.00	AS. LAT	-72.0	-69.2	-57.6	-64.6	-85.2	-59.1	-43.3	-52.7	-78.2
	AS.LONG	84.8	40.0	78.1	119.2	123.9	14.6	72.9	132.8	232.5
55.00	AS. LAT	-73.0	-69.0	-58.0	-65.5	-86.8	-57.9	-43.1	-53.1	-76.8
	AS.LONG	88.8	42.4	83.5	126.6	135.5	18.5	79.4	141.4	246.8
65.00	AS. LAT	-73.7	-68.9	-58.4	-66.2	-87.8	-57.2	-43.1	-53.5	-75.8
	AS.LONG	91.6	44.1	87.3	131.9	149.6	21.3	84.0	147.5	255.6
75.00	AS. LAT	-74.2	-68.9	-58.8	-66.8	-88.5	-56.7	-43.3	-53.8	-75.0
	AS.LONG	93.7	45.4	90.2	135.9	169.2	23.4	87.4	152.0	261.6
85.00	AS. LAT	-74.7	-69.0	-59.1	-67.3	-88.8	-56.4	-43.4	-54.1	-74.3
	AS.LONG	95.3	46.4	92.4	139.1	195.7	25.1	90.0	155.5	265.9
95.00	AS. LAT	-75.0	-69.0	-59.3	-67.7	-88.8	-56.2	-43.6	-54.4	-73.8
	AS.LONG	96.5	47.3	94.1	141.6	222.8	26.4	92.1	158.3	269.2
150.00	AS. LAT	-76.2	-69.1	-60.3	-68.9	-87.9	-55.7	-44.4	-55.2	-72.4
	AS.LONG	100.3	49.8	99.6	149.7	275.6	30.7	98.6	167.1	278.8
250.00	AS. LAT	-77.1	-69.3	-61.1	-69.7	-86.9	-55.5	-45.1	-55.9	-20.8
	AS.LONG	103.0	51.7	103.5	155.5	-70.4	33.7	103.2	173.3	-132.7
350.00	AS. LAT	-77.5	-69.4	-61.5	-70.1	-86.5	-55.4	-45.4	-56.2	-71.2
	AS.LONG	104.1	52.5	105.1	158.1	-66.3	35.0	105.1	176.0	-71.9
450.00	AS. LAT	-77.7	-69.4	-61.7	-70.3	-86.2	-55.4	-45.7	-56.4	-70.5
	AS.LONG	104.7	52.9	106.1	159.5	-64.3	35.7	106.2	177.5	-71.5
750.00	AS. LAT	-78.0	-69.5	-62.0	-70.6	-85.9	-55.4	-46.0	-56.6	-70.0
	AS.LONG	105.5	53.5	107.4	161.6	-61.8	36.7	107.7	179.6	-69.6

WILKES,ANTARCTICA

GEOGRAPHIC LATITUDE = -66.42 GEOGRAPHIC LONGITUDE = 110.45

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	-38.2	-38.7	-38.7	-38.3	-39.0	-37.0	-37.3	-39.4	-38.5
	AS.LONG	107.0	106.6	107.5	107.1	107.2	106.2	106.4	109.3	106.7
1.50	AS. LAT	-42.9	-42.6	-41.8	-43.1	-44.2	-44.1	-43.7	-42.9	-45.4
	AS.LONG	107.7	105.7	107.0	109.2	106.7	105.8	109.0	107.5	107.3
2.50	AS. LAT	-47.9	-48.1	-48.2	-48.0	-48.1	-46.0	-45.7	-50.3	-47.8
	AS.LONG	106.8	107.0	108.0	107.0	107.2	107.5	112.3	108.5	106.1
3.50	AS. LAT	-50.1	-51.0	-50.1	-49.6	-51.1	-50.6	-50.9	-51.1	-51.1
	AS.LONG	106.3	105.3	106.0	107.4	107.3	107.0	110.8	106.7	107.6
4.50	AS. LAT	-52.3	-49.9	-50.5	-54.3	-52.9	-47.3	-46.1	-55.5	-54.3
	AS.LONG	108.5	107.1	112.3	110.4	104.8	102.9	113.2	115.6	100.7
5.50	AS. LAT	-53.1	-54.3	-52.8	-52.3	-54.5	-54.7	-54.3	-53.1	-54.9
	AS.LONG	105.7	103.9	104.8	107.4	107.2	105.2	108.1	106.8	108.1
6.50	AS. LAT	-52.9	-52.4	-49.2	-53.1	-57.0	-53.6	-47.8	-51.7	-60.7
	AS.LONG	107.3	100.4	107.1	113.5	105.7	94.5	103.9	117.0	105.6
7.50	AS. LAT	-54.5	-51.3	-50.4	-57.0	-57.6	-49.0	-45.5	-57.4	-61.0
	AS.LONG	109.1	103.4	113.2	115.4	103.1	96.3	112.8	123.1	97.1
8.50	AS. LAT	-56.4	-52.9	-54.2	-59.6	-57.3	-48.8	-49.4	-62.3	-58.6
	AS.LONG	109.0	106.6	115.4	112.0	102.5	102.2	119.7	119.0	95.2
9.50	AS. LAT	-57.6	-55.4	-57.4	-59.8	-57.3	-51.8	-54.8	-63.0	-57.2
	AS.LONG	107.5	107.5	113.0	107.8	103.3	106.4	120.5	110.7	98.0
11.00	AS. LAT	-58.2	-58.7	-58.5	-57.9	-58.3	-57.6	-59.2	-59.5	-58.0
	AS.LONG	104.9	104.7	106.1	105.4	105.0	106.1	112.0	105.2	103.9
13.00	AS. LAT	-57.7	-60.0	-55.9	-55.6	-60.4	-62.0	-56.6	-54.6	-62.0
	AS.LONG	103.1	97.8	100.7	107.8	106.3	95.7	100.3	109.4	109.3
15.00	AS. LAT	-57.1	-58.9	-52.5	-54.7	-62.5	-61.2	-50.7	-52.2	-66.8
	AS.LONG	103.1	92.4	100.6	112.3	105.8	83.9	97.7	117.1	110.3
17.00	AS. LAT	-56.7	-57.1	-49.8	-55.0	-64.2	-57.8	-45.5	-51.9	-70.9
	AS.LONG	103.9	89.7	102.9	116.8	104.1	77.2	100.0	124.9	106.6
19.00	AS. LAT	-56.5	-55.2	-48.1	-55.9	-65.5	-54.0	-41.6	-52.7	-73.7
	AS.LONG	104.9	88.9	105.9	120.7	101.8	74.7	104.0	132.0	98.7
25.00	AS. LAT	-57.1	-51.3	-46.3	-59.7	-67.1	-45.1	-36.0	-57.2	-75.0
	AS.LONG	107.9	90.5	114.5	129.1	94.2	76.6	115.9	148.3	68.5
35.00	AS. LAT	-58.7	-48.7	-47.4	-65.3	-67.0	-38.0	-34.9	-64.6	-69.6
	AS.LONG	110.7	95.0	123.8	135.8	85.9	83.7	129.7	165.9	49.2
45.00	AS. LAT	-60.1	-47.9	-49.2	-69.1	-66.3	-35.2	-36.3	-69.6	-65.3
	AS.LONG	111.9	98.3	129.3	138.3	81.7	89.1	138.0	178.1	46.0
55.00	AS. LAT	-61.1	-47.7	-50.8	-71.8	-65.6	-34.0	-37.9	-72.9	-62.4
	AS.LONG	112.4	100.6	132.7	138.9	79.6	92.9	143.4	187.6	45.7
65.00	AS. LAT	-61.8	-47.8	-52.2	-73.6	-65.0	-33.4	-39.3	-75.3	-60.4
	AS.LONG	112.6	102.2	135.1	138.7	78.3	95.6	147.2	195.8	46.1
75.00	AS. LAT	-62.4	-47.9	-53.2	-75.0	-64.6	-33.1	-40.5	-76.9	-58.9
	AS.LONG	112.7	103.4	136.8	138.0	77.6	97.6	150.0	202.9	46.7
85.00	AS. LAT	-62.9	-48.0	-54.1	-76.0	-64.2	-32.9	-41.5	-78.2	-57.9
	AS.LONG	112.7	104.3	138.0	137.1	77.0	99.2	152.1	209.3	47.2
95.00	AS. LAT	-63.2	-48.2	-54.8	-76.8	-64.0	-32.9	-42.4	-79.1	-57.0
	AS.LONG	112.6	105.0	139.0	136.0	76.7	100.4	153.8	215.1	47.7
150.00	AS. LAT	-64.4	-48.8	-57.3	-79.3	-63.1	-33.0	-45.3	-81.3	-54.5
	AS.LONG	112.2	107.2	141.9	130.6	75.8	104.3	159.1	238.7	49.6
250.00	AS. LAT	-65.2	-49.3	-59.1	-80.8	-62.4	-33.4	-47.6	-82.1	-52.9
	AS.LONG	111.6	108.7	143.8	124.1	75.4	107.0	162.8	260.3	51.1
350.00	AS. LAT	-65.5	-49.6	-59.9	-81.3	-62.2	-33.6	-48.6	-82.1	-52.2
	AS.LONG	111.3	109.3	144.6	120.4	75.3	108.2	164.4	270.3	51.8
450.00	AS. LAT	-65.7	-49.8	-60.3	-81.6	-62.0	-33.8	-49.2	-82.1	-51.8
	AS.LONG	111.2	109.7	145.0	118.0	75.2	108.8	165.3	275.8	52.2
750.00	AS. LAT	-66.0	-50.0	-61.0	-81.9	-61.8	-34.0	-50.0	-81.9	-51.3
	AS.LONG	110.9	110.1	145.6	114.4	75.1	109.7	166.6	283.4	52.8

YAKUTSK, U.S.S.R.

GEOGRAPHIC LATITUDE = 62.02 GEOGRAPHIC LONGITUDE = 129.72

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.50	AS. LAT	X R	X R	X F	X F	X F	X F	X F	X F	X R
	AS.LONG	X R	X R	X F	X F	X F	X F	X F	X F	X R
1.50	AS. LAT	X F	X F	X R	-6.5	X F	X F	X F	X R	X R
	AS.LONG	X F	X F	X R	1447.2	X F	X F	X F	X R	X R
2.50	AS. LAT	-20.6	-19.5	-17.4	-20.1	-22.3	-17.1	-12.5	-19.8	-23.5
	AS.LONG	243.2	249.7	252.9	240.4	236.5	248.2	260.6	237.3	236.1
3.50	AS. LAT	-20.2	-22.8	-22.6	-18.8	-18.3	-22.9	-23.2	-17.4	-19.2
	AS.LONG	203.2	207.4	209.0	200.3	199.3	208.6	213.8	197.6	198.2
4.50	AS. LAT	-12.3	-10.5	-12.4	-12.2	-11.3	-7.8	-12.8	-12.4	-7.6
	AS.LONG	187.2	187.1	189.5	186.7	184.3	188.8	192.5	186.2	180.1
5.50	AS. LAT	-6.7	-10.4	-10.2	-3.4	-4.0	-11.3	-11.8	-0.6	-4.0
	AS.LONG	181.9	184.2	183.7	178.8	180.6	183.6	184.8	176.2	179.5
6.50	AS. LAT	2.0	-0.1	-3.9	1.9	7.3	-6.3	-10.2	2.0	10.9
	AS.LONG	177.2	181.2	180.4	173.7	175.0	184.4	183.4	170.4	174.9
7.50	AS. LAT	7.3	8.8	3.2	5.0	11.7	6.5	-2.1	2.9	17.3
	AS.LONG	172.9	176.4	176.8	170.8	169.4	181.7	180.9	168.7	167.5
8.50	AS. LAT	9.5	12.1	7.9	7.8	11.9	14.5	5.4	6.1	16.5
	AS.LONG	170.0	171.7	173.4	169.3	166.6	176.2	177.4	168.4	163.0
9.50	AS. LAT	10.6	12.0	10.2	10.8	11.7	16.0	9.9	10.9	14.5
	AS.LONG	168.6	168.9	170.7	168.4	166.1	171.0	173.5	168.0	162.5
11.00	AS. LAT	12.2	10.4	11.4	15.6	13.3	12.6	11.8	18.5	14.3
	AS.LONG	168.2	168.1	168.3	167.5	167.5	167.6	168.8	166.7	165.1
13.00	AS. LAT	15.7	10.3	12.3	21.6	18.5	7.9	10.4	26.7	19.6
	AS.LONG	168.9	170.1	167.4	166.1	170.1	169.2	166.0	163.3	170.0
15.00	AS. LAT	19.9	12.7	13.7	26.5	25.1	6.7	8.7	32.1	27.5
	AS.LONG	169.8	173.0	167.6	164.5	172.2	173.1	165.7	158.8	174.1
17.00	AS. LAT	24.2	16.5	15.7	30.4	31.5	8.3	7.8	35.2	35.7
	AS.LONG	170.4	175.7	168.3	162.7	173.4	177.3	166.5	154.2	176.9
19.00	AS. LAT	28.3	20.7	17.8	33.5	37.3	11.4	7.8	36.9	43.2
	AS.LONG	170.7	178.0	168.9	160.8	173.8	181.2	167.6	150.1	178.5
25.00	AS. LAT	37.8	32.3	24.3	39.3	50.1	22.8	10.5	37.8	60.0
	AS.LONG	170.1	182.7	170.4	155.4	171.3	190.5	170.8	141.3	176.8
35.00	AS. LAT	47.2	45.7	32.4	43.3	61.1	38.1	16.8	36.3	73.7
	AS.LONG	166.6	185.7	171.1	148.6	160.7	200.3	174.4	134.5	153.9
45.00	AS. LAT	52.2	53.8	37.6	44.9	65.4	48.0	21.9	34.9	76.0
	AS.LONG	162.5	186.0	170.9	144.2	148.5	206.4	176.4	131.6	119.4
55.00	AS. LAT	55.1	59.1	41.1	45.6	67.0	54.7	25.6	33.9	73.8
	AS.LONG	158.7	185.0	170.3	141.1	138.0	210.6	177.5	130.1	98.5
65.00	AS. LAT	57.0	62.7	43.5	46.0	67.3	59.4	28.4	33.2	71.1
	AS.LONG	155.5	183.4	169.6	139.0	130.2	213.9	178.2	129.2	88.6
75.00	AS. LAT	58.2	65.4	45.3	46.2	67.1	62.9	30.6	32.7	68.7
	AS.LONG	152.8	181.6	168.9	137.4	124.3	216.5	178.7	128.6	83.5
85.00	AS. LAT	59.0	67.3	46.7	46.3	66.8	65.6	32.3	32.4	66.8
	AS.LONG	150.6	179.8	168.3	136.2	120.0	218.7	179.0	128.2	80.6
95.00	AS. LAT	59.6	68.9	47.8	46.3	66.4	67.8	33.7	32.1	65.2
	AS.LONG	148.7	177.9	167.7	135.2	116.8	220.5	179.2	127.9	78.8
150.00	AS. LAT	61.0	73.2	51.2	46.4	64.5	74.4	38.1	31.2	60.0
	AS.LONG	142.2	169.2	165.5	132.2	107.8	228.1	179.6	127.0	75.1
250.00	AS. LAT	61.7	75.7	53.4	46.3	62.8	78.9	41.3	30.7	56.3
	AS.LONG	137.3	159.4	163.5	130.2	102.7	236.4	179.7	126.5	73.8
350.00	AS. LAT	61.8	76.5	54.3	46.3	61.9	80.8	42.7	30.5	54.8
	AS.LONG	135.2	154.1	162.5	129.3	100.8	241.8	179.6	126.3	73.5
450.00	AS. LAT	61.9	76.9	54.8	46.2	61.4	81.8	43.5	30.4	53.9
	AS.LONG	134.0	150.8	161.9	128.9	99.9	245.7	179.6	126.2	73.3
750.00	AS. LAT	62.0	77.3	55.5	46.1	60.7	83.1	44.5	30.3	52.7
	AS.LONG	132.2	145.8	161.0	128.2	98.6	252.8	179.5	126.1	73.2

ZUGSPITZE,GERMANY

GEOGRAPHIC LATITUDE = 47.42 GEOGRAPHIC LONGITUDE = 10.9E

RIGIDITY (IN BV)		VERTICAL	16N	16E	16S	16W	32N	32E	32S	32W
0.90	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
1.50	AS. LAT	X R	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X R	X R	X R	X R	X R	X R	X R	X R	X R
2.50	AS. LAT	X F	X R	X R	X R	X R	X R	X R	X R	X R
	AS.LONG	X F	X R	X R	X R	X R	X R	X R	X R	X R
3.50	AS. LAT	X R	X R	X R	X R	X R	-5.1	X R	X F	X R
	AS.LONG	X R	X R	X R	X R	X R	978.5	X R	X F	X R
4.50	AS. LAT	X R	X R	5.9	X R	12.5	-15.7	X R	10.6	14.7
	AS.LONG	X R	X R	458.8	X R	226.9	261.4	X R	499.4	182.7
5.50	AS. LAT	-0.8	-1.9	12.1	2.9	-5.8	5.8	-6.1	8.2	-7.5
	AS.LONG	146.1	149.9	178.5	150.0	127.3	162.4	353.4	157.5	114.1
6.50	AS. LAT	-7.3	-7.4	-6.1	-7.4	-8.1	-10.3	-2.2	-7.2	-7.7
	AS.LONG	113.7	110.9	127.2	118.8	103.1	115.8	148.9	124.1	93.3
7.50	AS. LAT	-9.0	-6.6	-7.1	-10.1	-10.4	-3.7	-6.7	-10.9	-10.6
	AS.LONG	99.9	95.1	107.3	103.0	92.8	93.2	117.6	104.9	85.4
8.50	AS. LAT	-10.9	-8.9	-8.6	-11.0	-12.0	-3.6	-6.1	-10.1	-12.0
	AS.LONG	92.4	88.7	97.9	93.1	86.6	83.1	103.3	92.2	80.7
9.50	AS. LAT	-12.1	-11.6	-10.7	-10.5	-11.5	-7.2	-7.4	-8.2	-10.3
	AS.LONG	87.4	85.7	92.9	85.9	81.7	79.6	96.7	83.3	76.7
11.00	AS. LAT	-11.3	-13.3	-13.1	-8.2	-7.1	-12.2	-11.1	-5.1	-3.4
	AS.LONG	81.5	82.7	88.1	78.0	75.9	79.3	92.9	73.9	72.0
13.00	AS. LAT	-6.6	-10.5	-13.4	-3.6	1.5	-13.6	-15.4	-1.6	8.2
	AS.LONG	75.7	79.2	83.1	70.8	70.5	79.5	90.9	65.6	67.5
15.00	AS. LAT	-0.4	-4.2	-10.8	1.1	10.1	-9.6	-17.3	1.1	18.9
	AS.LONG	71.7	76.7	79.1	65.7	66.5	79.2	88.6	59.8	63.5
17.00	AS. LAT	5.7	2.8	-6.7	5.4	17.6	-3.0	-17.0	3.2	27.6
	AS.LONG	68.7	75.0	76.1	61.8	63.1	79.2	86.0	55.5	59.4
19.00	AS. LAT	11.1	9.6	-2.4	9.1	23.7	4.1	-15.1	4.9	34.4
	AS.LONG	66.2	73.8	73.8	58.6	59.8	79.5	83.7	52.1	54.8
25.00	AS. LAT	23.3	25.8	9.2	16.9	35.6	22.9	-6.0	8.4	46.1
	AS.LONG	60.1	70.7	69.4	51.4	50.2	80.8	79.0	45.0	39.9
35.00	AS. LAT	34.2	41.4	21.8	23.5	44.0	42.8	7.0	11.4	51.2
	AS.LONG	51.9	64.8	64.7	43.5	36.4	80.9	75.6	38.5	18.5
45.00	AS. LAT	39.5	49.7	29.0	26.7	46.7	54.4	15.6	12.8	50.4
	AS.LONG	45.4	58.5	61.0	38.3	26.4	79.0	73.7	34.7	5.2
55.00	AS. LAT	42.4	54.5	33.5	28.4	47.4	61.8	21.3	13.7	48.6
	AS.LONG	40.4	52.5	58.1	34.7	19.4	75.9	72.2	32.2	-2.5
65.00	AS. LAT	44.1	57.5	36.5	29.4	47.4	66.8	25.4	14.3	46.7
	AS.LONG	36.6	47.1	55.7	32.1	14.5	71.9	71.1	30.4	-7.4
75.00	AS. LAT	45.1	59.3	38.7	30.0	47.2	70.2	28.3	14.6	45.2
	AS.LONG	33.5	42.5	53.7	30.2	10.9	67.3	70.1	29.1	-10.6
85.00	AS. LAT	45.8	60.6	40.2	30.5	46.8	72.8	30.6	14.9	43.8
	AS.LONG	31.1	38.4	52.1	28.6	8.2	62.4	69.2	28.1	-12.9
95.00	AS. LAT	46.3	61.4	41.4	30.8	46.5	74.6	32.4	15.1	42.7
	AS.LONG	29.1	35.0	50.7	27.4	6.1	57.2	68.5	27.3	-14.6
150.00	AS. LAT	47.3	63.1	44.9	31.5	44.9	78.7	37.9	15.6	38.8
	AS.LONG	22.6	23.0	45.7	23.4	0.0	30.3	65.7	24.8	-19.2
250.00	AS. LAT	47.6	63.4	47.0	31.8	43.4	79.0	41.6	16.0	35.9
	AS.LONG	17.9	14.0	41.8	20.6	-4.0	3.7	63.3	23.0	-21.9
350.00	AS. LAT	47.6	63.3	47.9	31.9	42.7	76.4	43.1	16.1	34.6
	AS.LONG	15.9	10.1	39.9	19.4	-5.6	-6.9	62.1	22.2	-23.0
450.00	AS. LAT	47.6	63.1	48.3	31.9	42.3	77.8	44.0	16.1	33.9
	AS.LONG	14.8	8.0	38.9	18.8	-6.4	-12.2	61.4	21.8	-23.5
750.00	AS. LAT	47.5	62.9	48.9	31.9	41.7	76.9	45.1	16.2	32.8
	AS.LONG	13.3	5.1	37.4	17.8	-7.6	-18.8	60.4	21.2	-24.3

TABLE 4

COSMIC RAY VARIATIONAL COEFFICIENTS

In the following pages are tabulated the cosmic ray variational coefficients for 78 different stations and for 10 values of β, the exponent of the spectrum of variation, from $\beta = +0.6$ to $\beta = -1.5$. At the end of each table, the relative amplitude ($\alpha_m B_m$) and the correction for the geomagnetic bending $\left(\frac{\gamma_m - mL}{15m}\right)$ for each value of β for each station are listed.

As derived in Part II, the observed local time of maximum of the mth harmonic of any anisotropy at a given station is given by

$$t_m = \frac{180m + m\ C_m - (\gamma_m - mL)}{15m} \quad \text{hours}$$

$$= \frac{C_m}{15m} + 12 - K$$

where $K = \frac{\gamma_m - mL}{15m}$ is the correction for the geomagnetic bending.

The value of K in hours for each value of β, for both the first and second harmonics, is listed in the table as "phase (in hours)".

AHMEDABAD, INDIA

GEOGRAPHIC LATITUDE = 23.01 GEOGRAPHIC LONGITUDE = 72.61

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	23.14	7.01	2.13	.65	.20	.06	.02	.01	.00	.00
45 50	17.25	5.72	1.89	.63	.21	.07	.02	.01	.00	.00
50 55	20.58	7.55	2.77	1.02	.37	.14	.05	.02	.01	.00
55 60	23.18	8.22	2.98	1.11	.42	.16	.06	.02	.01	.00
60 65	33.67	11.24	3.78	1.29	.44	.15	.05	.02	.01	.00
65 70	30.81	11.96	4.67	1.83	.72	.29	.11	.05	.02	.00
70 75	6.27	1.85	.54	.16	.05	.01	.00	.00	.00	.00
75 80	96.59	32.00	10.85	3.77	1.34	.49	.19	.07	.03	.00
80 85	114.06	38.61	13.27	4.64	1.66	.61	.23	.09	.04	.00
85 90	86.48	32.13	11.96	4.46	1.67	.63	.24	.09	.03	.00
90 95	70.29	27.04	10.52	4.14	1.64	.66	.26	.11	.04	.00
95 100	90.90	36.08	14.63	6.05	2.54	1.09	.47	.21	.09	.01
100 105	42.72	17.12	6.91	2.80	1.14	.47	.19	.08	.03	.00
105 110	37.80	16.35	7.09	3.08	1.34	.58	.26	.11	.05	.01
110 115	68.53	27.16	11.11	4.68	2.01	.88	.39	.18	.08	.01
115 120	54.39	23.37	10.34	4.69	2.17	1.02	.49	.24	.12	.02
120 125	34.39	13.78	5.58	2.29	.95	.40	.17	.07	.03	.00
125 130	57.24	26.38	12.24	5.71	2.68	1.26	.60	.28	.14	.02
130 135	11.66	5.19	2.32	1.04	.47	.21	.10	.04	.02	.00
135 140	41.38	19.81	9.54	4.62	2.25	1.10	.54	.27	.13	.02
140 145	0	0	0	0	0	0	0	0	0	0
145 150	36.03	17.94	8.98	4.52	2.28	1.16	.59	.31	.16	.03
150 155	11.72	6.16	3.23	1.70	.89	.47	.25	.13	.07	.01
155 160	31.78	16.21	8.29	4.25	2.18	1.12	.58	.30	.15	.03
160 165	18.27	9.87	5.34	2.89	1.57	.85	.46	.25	.14	.03
165 170	8.48	4.71	2.61	1.45	.80	.45	.25	.14	.08	.02
170 175	11.70	6.15	3.23	1.70	.89	.47	.25	.13	.07	.01
175 180	10.43	5.12	2.52	1.24	.61	.30	.15	.07	.04	.01
180 185	11.59	6.09	3.20	1.68	.88	.46	.24	.13	.07	.01
185 190	6.43	3.65	2.07	1.17	.67	.38	.21	.12	.07	.02
190 195	.64	.37	.22	.13	.07	.04	.02	.01	.01	.00
195 200	8.48	4.71	2.61	1.45	.80	.45	.25	.14	.08	.02
200 205	16.91	9.38	5.21	2.89	1.60	.89	.49	.27	.15	.03
205 210	0	0	0	0	0	0	0	0	0	0
210 215	8.26	4.58	2.54	1.41	.78	.43	.24	.13	.07	.02
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	8.98	5.00	2.78	1.55	.86	.48	.27	.15	.08	.02
240 245	18.27	9.87	5.34	2.89	1.57	.85	.46	.25	.14	.03
245 250	6.52	3.70	2.10	1.19	.68	.38	.22	.12	.07	.02
250 255	0	0	0	0	0	0	0	0	0	0
255 260	6.49	3.68	2.09	1.19	.67	.38	.22	.12	.07	.02
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	6.51	3.69	2.10	1.19	.67	.38	.22	.12	.07	.02
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	8.52	4.73	2.62	1.46	.81	.45	.25	.14	.08	.02
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	895.31	349.42	142.14	60.44	26.88	12.47	6.00	2.97	1.51	.30
PHASE (IN HOURS)	2.17	2.61	3.10	3.63	4.18	4.72	5.22	5.68	6.08	6.91
SECOND HARMONIC										
AMPLITUDE	592.86	216.32	81.19	31.49	12.67	5.31	2.32	1.05	.49	.08
PHASE (IN HOURS)	1.57	1.82	2.11	2.45	2.81	3.20	3.60	4.00	4.38	5.25

ALERT,CANADA

GEOGRAPHIC LATITUDE = 82.50 GEOGRAPHIC LONGITUDE = -62.33

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	.98	.71	.52	.38	.28	.21	.16	.12	.09	.05
5 10	.40	.29	.22	.16	.12	.10	.07	.06	.05	.03
10 15	1.86	1.02	.57	.32	.18	.11	.07	.04	.03	.01
15 20	3.71	2.06	1.16	.66	.38	.22	.13	.08	.05	.02
20 25	.28	.21	.15	.12	.09	.07	.05	.04	.03	.02
25 30	1.83	.94	.49	.26	.13	.07	.04	.02	.01	.00
30 35	2.97	1.54	.81	.43	.24	.13	.08	.04	.03	.01
35 40	1.32	.64	.32	.16	.08	.04	.02	.01	.01	.00
40 45	1.07	.54	.29	.16	.09	.05	.03	.02	.01	.01
45 50	3.15	1.50	.72	.35	.17	.08	.04	.02	.01	.00
50 55	3.22	1.48	.69	.32	.16	.08	.04	.02	.01	.00
55 60	2.83	1.18	.50	.21	.09	.04	.02	.01	.00	.00
60 65	3.26	1.26	.49	.19	.08	.03	.01	.00	.00	.00
65 70	6.72	2.74	1.15	.49	.22	.10	.05	.02	.01	.00
70 75	2.06	.62	.19	.06	.02	.01	.00	.00	.00	.00
75 80	4.82	1.77	.65	.24	.09	.03	.01	.00	.00	.00
80 85	6.77	2.18	.70	.23	.07	.02	.01	.00	.00	.00
85 90	2.32	.68	.20	.06	.02	.01	.00	.00	.00	.00
90 95	.16	.11	.07	.05	.03	.02	.01	.01	.01	.00
95 100	.73	.38	.20	.11	.06	.03	.02	.01	.00	.00
100 105	1.74	.91	.48	.25	.13	.07	.04	.02	.01	.00
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	1.87	.92	.45	.22	.11	.05	.03	.01	.01	.00
135 140	.75	.37	.18	.09	.04	.02	.01	.01	.00	.00
140 145	0	0	0	0	0	0	0	0	0	0
145 150	1.63	.76	.36	.17	.08	.04	.02	.01	.00	.00
150 155	0	0	0	0	0	0	0	0	0	0
155 160	2.12	.96	.44	.20	.09	.04	.02	.01	.00	.00
160 165	0	0	0	0	0	0	0	0	0	0
165 170	2.69	1.19	.53	.24	.11	.05	.03	.01	.01	.00
170 175	1.65	.70	.30	.13	.05	.02	.01	.00	.00	.00
175 180	3.70	1.51	.61	.25	.10	.04	.02	.01	.00	.00
180 185	5.94	2.27	.88	.35	.14	.06	.03	.01	.01	.00
185 190	6.24	2.21	.79	.28	.10	.04	.01	.01	.00	.00
190 195	6.65	2.22	.79	.30	.13	.06	.03	.01	.01	.00
195 200	2.44	.89	.33	.12	.04	.02	.01	.00	.00	.00
200 205	2.13	.71	.23	.08	.03	.01	.00	.00	.00	.00
205 210	2.91	.88	.27	.08	.02	.01	.00	.00	.00	.00
210 215	2.05	1.08	.57	.30	.16	.08	.04	.02	.01	.00
215 220	0	0	0	0	0	0	0	0	0	0
220 225	.55	.32	.19	.11	.07	.04	.02	.01	.01	.00
225 230	0	0	0	0	0	0	0	0	0	0
230 235	3.42	1.71	.86	.43	.22	.11	.06	.03	.01	.00
235 240	0	0	0	0	0	0	0	0	0	0
240 245	2.11	.99	.46	.21	.10	.05	.02	.01	.00	.00
245 250	3.17	1.48	.69	.32	.15	.07	.03	.02	.01	.00
250 255	5.40	2.82	1.50	.82	.46	.26	.15	.09	.05	.01
255 260	2.56	1.11	.48	.21	.09	.04	.02	.01	.00	.00
260 265	6.32	2.59	1.06	.43	.18	.07	.03	.01	.01	.00
265 270	10.68	4.12	1.60	.63	.25	.10	.04	.02	.01	.00
270 275	13.53	4.55	1.54	.52	.18	.06	.02	.01	.00	.00
275 280	11.57	3.68	1.21	.42	.16	.07	.03	.02	.01	.00
280 285	1.10	.63	.36	.21	.12	.07	.04	.02	.01	.00
285 290	1.62	.91	.52	.29	.17	.09	.05	.03	.02	.00
290 295	.28	.19	.13	.09	.06	.04	.03	.02	.01	.00
295 300	4.24	1.58	.65	.30	.16	.09	.06	.04	.03	.01
300 305	5.90	3.02	1.57	.83	.44	.24	.13	.07	.04	.01
305 310	1.09	.64	.39	.24	.15	.10	.06	.04	.03	.01
310 315	2.13	1.12	.59	.32	.17	.09	.05	.03	.02	.00
315 320	5.35	2.71	1.38	.71	.37	.19	.10	.06	.03	.01
320 325	.75	.50	.33	.22	.15	.10	.07	.05	.03	.01
325 330	5.84	2.92	1.50	.80	.44	.25	.15	.09	.06	.02
330 335	7.85	4.12	2.22	1.23	.70	.40	.24	.14	.09	.03
335 340	13.96	6.41	3.09	1.57	.85	.48	.28	.17	.11	.04
340 345	13.58	5.14	2.08	.92	.45	.24	.14	.09	.06	.03
345 350	8.56	3.79	1.82	.96	.55	.34	.22	.15	.10	.04
350 355	13.40	4.68	1.80	.80	.42	.26	.18	.13	.09	.05
355 360	3.69	2.19	1.32	.81	.50	.32	.21	.14	.10	.04
FIRST HARMONIC										
AMPLITUDE	78.93	36.48	18.30	9.90	5.71	3.47	2.19	1.44	.97	.40
PHASE (IN HOURS)	1.13	1.43	1.73	2.01	2.25	2.46	2.64	2.80	2.95	3.31
SECOND HARMONIC										
AMPLITUDE	14.80	9.74	6.38	4.20	2.80	1.89	1.30	.91	.64	.30
PHASE (IN HOURS)	2.66	2.87	2.98	3.05	3.11	3.18	3.24	3.31	3.39	3.61

ALMA ATA,U.S.S.R.

GEOGRAPHIC LATITUDE = 43.20 GEOGRAPHIC LONGITUDE = 76.94

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	2.40	1.61	1.07	.72	.48	.32	.21	.14	.10	.03
5 10	0	0	0	0	0	0	0	0	0	0
10 15	1.96	1.35	.93	.64	.44	.30	.21	.14	.10	.04
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	21.24	6.69	2.11	.67	.21	.07	.02	.01	.00	.00
45 50	10.44	3.83	1.41	.52	.19	.07	.03	.01	.00	.00
50 55	6.33	2.55	1.02	.41	.17	.07	.03	.01	.00	.00
55 60	9.53	3.35	1.21	.45	.17	.07	.03	.01	.00	.00
60 65	17.25	5.86	2.02	.71	.25	.09	.03	.01	.01	.00
65 70	9.95	3.65	1.34	.49	.18	.07	.02	.01	.00	.00
70 75	2.98	1.34	.60	.27	.12	.05	.02	.01	.00	.00
75 80	11.89	5.03	2.14	.91	.39	.17	.07	.03	.01	.00
80 85	82.73	26.53	8.59	2.81	.93	.31	.11	.04	.01	.00
85 90	46.58	17.03	6.26	2.32	.86	.32	.12	.05	.02	.00
90 95	43.59	17.70	7.25	3.00	1.25	.53	.22	.10	.04	.01
95 100	23.48	10.09	4.35	1.88	.81	.35	.15	.07	.03	.00
100 105	30.84	12.27	5.05	2.13	.92	.40	.18	.08	.04	.01
105 110	41.40	16.90	7.05	3.01	1.31	.58	.26	.12	.06	.01
110 115	30.17	13.60	6.22	2.89	1.36	.65	.31	.15	.07	.01
115 120	20.95	10.00	4.82	2.34	1.15	.56	.28	.14	.07	.01
120 125	45.71	18.65	8.00	3.59	1.67	.80	.39	.19	.10	.02
125 130	41.72	19.22	9.08	4.39	2.17	1.09	.56	.29	.15	.03
130 135	45.56	21.92	10.72	5.33	2.69	1.38	.71	.37	.20	.04
135 140	37.23	19.22	10.03	5.29	2.81	1.51	.82	.44	.24	.06
140 145	20.50	10.49	5.39	2.79	1.45	.76	.40	.21	.11	.02
145 150	26.43	14.34	7.82	4.28	2.35	1.30	.72	.40	.22	.05
150 155	28.00	15.73	8.86	5.00	2.83	1.60	.91	.52	.30	.07
155 160	5.82	3.40	1.99	1.17	.68	.40	.24	.14	.08	.02
160 165	10.41	6.34	3.88	2.39	1.48	.92	.58	.36	.23	.07
165 170	11.98	7.14	4.26	2.55	1.52	.91	.55	.33	.20	.05
170 175	10.70	6.28	3.69	2.18	1.29	.76	.45	.27	.16	.04
175 180	8.97	5.36	3.20	1.92	1.15	.69	.41	.25	.15	.04
180 185	12.31	7.60	4.69	2.90	1.79	1.11	.69	.43	.26	.08
185 190	8.75	5.36	3.28	2.02	1.24	.76	.47	.29	.18	.05
190 195	7.34	4.71	3.02	1.94	1.25	.80	.51	.33	.21	.07
195 200	14.11	8.83	5.53	3.47	2.18	1.37	.86	.54	.34	.11
200 205	2.62	1.67	1.06	.68	.43	.28	.18	.11	.07	.02
205 210	5.54	3.50	2.21	1.40	.89	.56	.36	.23	.14	.05
210 215	7.38	4.81	3.14	2.05	1.34	.88	.57	.37	.24	.08
215 220	2.19	1.43	.93	.61	.40	.26	.17	.11	.07	.02
220 225	7.00	4.52	2.92	1.89	1.22	.79	.51	.33	.21	.07
225 230	0	0	0	0	0	0	0	0	0	0
230 235	5.10	3.41	2.28	1.52	1.02	.68	.45	.30	.20	.07
235 240	2.18	1.42	.93	.60	.39	.26	.17	.11	.07	.02
240 245	2.55	1.71	1.14	.76	.51	.34	.23	.15	.10	.04
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	4.14	2.77	1.85	1.24	.83	.56	.37	.25	.17	.06
260 265	2.55	1.70	1.14	.76	.51	.34	.23	.15	.10	.04
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	2.56	1.71	1.14	.76	.51	.34	.23	.15	.10	.04
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	2.56	1.71	1.14	.76	.51	.34	.23	.15	.10	.04
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	587.97	257.26	120.49	60.17	31.73	17.47	9.94	5.79	3.44	.99
PHASE (IN HOURS)	2.67	3.27	3.91	4.54	5.12	5.64	6.10	6.50	6.86	7.59
SECOND HARMONIC										
AMPLITUDE	303.88	118.30	49.92	23.32	12.05	6.73	3.96	2.40	1.49	.47
PHASE (IN HOURS)	2.15	2.68	3.31	3.98	4.64	5.22	5.72	6.14	6.50	7.20

APATITY, U.S.S.R.

GEOGRAPHIC LATITUDE = 67.55 GEOGRAPHIC LONGITUDE = 33.33

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	.78	.23	.07	.02	.01	.00	.00	.00	.00	.00
5 10	11.44	3.60	1.14	.36	.11	.04	.01	.00	.00	.00
10 15	6.82	2.72	1.10	.46	.19	.08	.04	.02	.01	.00
15 20	6.29	2.48	.98	.39	.16	.06	.03	.01	.00	.00
20 25	1.24	.54	.23	.10	.04	.02	.01	.00	.00	.00
25 30	1.37	.62	.28	.12	.06	.02	.01	.01	.00	.00
30 35	1.60	.75	.35	.16	.08	.04	.02	.01	.00	.00
35 40	5.82	1.84	.59	.19	.06	.02	.01	.00	.00	.00
40 45	3.41	1.13	.37	.12	.04	.01	.00	.00	.00	.00
45 50	90.90	35.84	14.67	6.23	2.74	1.25	.59	.28	.14	.03
50 55	17.67	8.12	3.78	1.78	.85	.41	.20	.10	.05	.01
55 60	12.78	6.77	3.63	1.96	1.07	.59	.32	.18	.10	.02
60 65	17.18	9.70	5.56	3.22	1.89	1.12	.67	.40	.25	.07
65 70	55.35	33.60	20.54	12.63	7.81	4.85	3.02	1.89	1.19	.38
70 75	52.50	32.39	20.18	12.69	8.05	5.15	3.32	2.16	1.42	.51
75 80	44.90	28.57	18.73	12.55	8.54	5.88	4.09	2.87	2.03	.87
80 85	45.48	23.37	13.11	7.95	5.13	3.47	2.43	1.74	1.27	.61
85 90	14.82	8.65	5.33	3.49	2.41	1.75	1.32	1.03	.81	.48
90 95	10.65	5.57	3.01	1.70	1.01	.64	.43	.31	.23	.13
95 100	4.87	2.15	.95	.42	.19	.08	.04	.02	.01	.00
100 105	8.05	3.29	1.34	.55	.22	.09	.04	.02	.01	.00
105 110	22.27	8.40	3.42	1.55	.82	.50	.36	.28	.24	.18
110 115	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02
115 120	0	0	0	0	0	0	0	0	0	0
120 125	2.45	1.20	.59	.29	.14	.07	.03	.02	.01	.00
125 130	0	0	0	0	0	0	0	0	0	0
130 135	1.46	.68	.32	.15	.07	.03	.02	.01	.00	.00
135 140	0	0	0	0	0	0	0	0	0	0
140 145	.95	.43	.19	.09	.04	.02	.01	.00	.00	.00
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	.69	.31	.14	.07	.04	.03	.02	.02	.02	.02
160 165	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05
165 170	.51	.23	.11	.05	.03	.02	.02	.02	.02	.02
170 175	0	0	0	0	0	0	0	0	0	0
175 180	.38	.16	.07	.03	.01	.00	.00	.00	.00	.00
180 185	0	0	0	0	0	0	0	0	0	0
185 190	1.06	.43	.17	.07	.03	.01	.00	.00	.00	.00
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	1.62	.60	.22	.08	.03	.01	.00	.00	.00	.00
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	1.59	.53	.18	.06	.02	.01	.00	.00	.00	.00
255 260	0	0	0	0	0	0	0	0	0	0
260 265	2.41	.73	.22	.07	.02	.01	.00	.00	.00	.00
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	30.66	11.02	4.03	1.50	.57	.22	.08	.03	.01	.00
355 360	1.68	.79	.37	.17	.08	.04	.02	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	411.30	210.08	114.98	66.67	40.53	25.60	16.69	11.18	7.66	3.26
PHASE (IN HOURS)	1.94	2.15	2.33	2.47	2.59	2.69	2.78	2.86	2.95	3.20
SECOND HARMONIC										
AMPLITUDE	299.37	164.87	95.90	58.18	36.49	23.52	15.52	10.45	7.17	2.99
PHASE (IN HOURS)	2.13	2.30	2.44	2.55	2.63	2.71	2.78	2.85	2.92	3.10

BERKELEY,U.S.A.

GEOGRAPHIC LATITUDE = 37.86 GEOGRAPHIC LONGITUDE = -122.30

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	[illegible]	0	0
10 15	4.00	2.80	1.96	1.37	.96	.67	.47	.3[illegible]	.23	.10
15 20	4.06	2.88	2.05	1.46	1.04	.74	.52	.37	.27	.11
20 25	2.02	1.44	1.02	.73	.52	.37	.26	.19	.13	.06
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	1.85	1.31	.93	.66	.47	.34	.24	.17	.12	.05
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	1.81	1.29	.92	.65	.46	.33	.23	.17	.12	.05
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	1.66	1.23	.91	.67	.50	.37	.27	.20	.15	.07
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	17.34	5.46	1.73	.55	.17	.06	.02	.01	.00	.00
205 210	8.59	3.15	1.16	.42	.16	.06	.02	.01	.00	.00
210 215	0	0	0	0	0	0	0	0	0	0
215 220	8.73	4.09	2.07	1.14	.69	.45	.31	.22	.16	.07
220 225	19.38	6.32	2.09	.70	.24	.08	.03	.01	.00	.00
225 230	11.23	4.28	1.64	.63	.24	.09	.04	.01	.01	.00
230 235	25.36	8.35	2.79	.95	.33	.12	.04	.02	.01	.00
235 240	55.75	20.30	7.49	2.80	1.06	.40	.16	.06	.02	.00
240 245	57.93	22.77	9.34	4.04	1.87	.94	.51	.30	.19	.08
245 250	27.88	11.29	4.68	1.98	.85	.37	.17	.08	.03	.00
250 255	35.28	14.44	6.06	2.59	1.13	.50	.22	.10	.05	.01
255 260	41.40	17.12	7.38	3.30	1.52	.71	.34	.17	.08	.01
260 265	37.02	15.74	6.94	3.17	1.49	.72	.36	.18	.09	.02
265 270	46.29	20.51	9.35	4.37	2.09	1.02	.50	.25	.13	.02
270 275	52.62	23.26	10.80	5.22	2.61	1.33	.69	.37	.20	.04
275 280	69.14	31.22	14.73	7.23	3.67	1.92	1.03	.56	.31	.07
280 285	51.36	26.83	14.20	7.61	4.12	2.26	1.25	.70	.39	.10
285 290	39.74	20.60	10.89	5.86	3.20	1.78	1.00	.56	.32	.08
290 295	40.33	22.00	12.14	6.77	3.81	2.17	1.24	.72	.42	.11
295 300	19.69	12.00	7.33	4.49	2.76	1.70	1.05	.65	.40	.12
300 305	15.13	9.59	6.08	3.87	2.46	1.57	1.00	.64	.41	.13
305 310	8.09	5.07	3.18	2.00	1.25	.79	.50	.31	.20	.06
310 315	10.58	6.93	4.54	2.98	1.96	1.28	.84	.56	.37	.13
315 320	8.47	5.75	3.91	2.66	1.82	1.24	.85	.59	.40	.16
320 325	6.84	4.58	3.06	2.05	1.37	.92	.62	.41	.28	.10
325 330	1.77	1.18	.79	.53	.35	.24	.16	.11	.07	.03
330 335	0	0	0	0	0	0	0	0	0	0
335 340	3.55	2.44	1.68	1.15	.79	.55	.38	.26	.18	.07
340 345	3.61	2.45	1.66	1.12	.76	.52	.35	.24	.16	.06
345 350	3.67	2.57	1.80	1.26	.88	.62	.43	.30	.21	.09
350 355	3.63	2.49	1.71	1.18	.81	.56	.38	.26	.18	.07
355 360	1.94	1.38	.98	.70	.50	.35	.25	.18	.13	.05
FIRST HARMONIC										
AMPLITUDE	638.36	287.73	138.48	70.85	38.23	21.55	12.58	7.55	4.63	1.47
PHASE (IN HOURS)	1.97	2.37	2.79	3.21	3.61	3.97	4.29	4.58	4.84	5.37
SECOND HARMONIC										
AMPLITUDE	441.82	192.79	89.90	44.56	23.24	12.63	7.09	4.09	2.41	.71
PHASE (IN HOURS)	1.83	2.17	2.54	2.90	3.24	3.56	3.87	4.17	4.45	5.13

BRISBANE,AUSTRALIA

GEOGRAPHIC LATITUDE = -27.50 GEOGRAPHIC LONGITUDE = 153.01

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	5.68	3.76	2.48	1.64	1.09	.72	.48	.32	.21	.07
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	3.16	2.11	1.41	.94	.63	.42	.28	.19	.13	.05
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	14.20	4.30	1.30	.40	.12	.04	.01	.00	.00	.00
125 130	22.89	8.03	2.82	1.00	.35	.12	.04	.02	.01	.00
130 135	0	0	0	0	0	0	0	0	0	0
135 140	16.37	5.94	2.20	.83	.32	.12	.05	.02	.01	.00
140 145	23.87	8.34	2.97	1.08	.40	.15	.06	.02	.01	.00
145 150	12.16	4.46	1.64	.60	.22	.08	.03	.01	.00	.00
150 155	19.72	7.20	2.71	1.04	.41	.17	.07	.03	.01	.00
155 160	66.71	22.14	7.50	2.60	.93	.34	.13	.05	.02	.00
160 165	86.18	29.88	10.44	3.67	1.30	.47	.17	.06	.02	.00
165 170	37.51	15.87	6.96	3.21	1.57	.82	.45	.27	.16	.05
170 175	50.83	20.76	8.63	3.64	1.56	.67	.30	.13	.06	.01
175 180	46.70	18.32	7.34	3.00	1.24	.52	.22	.10	.04	.01
180 185	30.20	12.82	5.52	2.41	1.07	.48	.22	.10	.05	.01
185 190	27.61	12.11	5.35	2.38	1.07	.48	.22	.10	.05	.01
190 195	38.26	15.71	6.75	3.01	1.39	.65	.31	.15	.08	.01
195 200	51.48	21.63	9.34	4.13	1.87	.86	.41	.19	.09	.02
200 205	30.70	14.56	6.99	3.39	1.67	.83	.41	.21	.11	.02
205 210	20.15	9.61	4.64	2.26	1.12	.56	.28	.14	.07	.01
210 215	35.87	17.97	9.06	4.61	2.36	1.21	.63	.33	.17	.03
215 220	15.35	8.13	4.33	2.32	1.26	.68	.37	.20	.11	.03
220 225	26.53	14.01	7.42	3.94	2.10	1.12	.60	.32	.17	.04
225 230	16.86	9.05	4.88	2.64	1.44	.79	.43	.24	.13	.03
230 235	17.62	9.67	5.31	2.93	1.61	.89	.49	.27	.15	.03
235 240	6.18	3.65	2.16	1.28	.75	.45	.26	.16	.09	.02
240 245	24.89	13.86	7.73	4.32	2.42	1.36	.76	.43	.24	.06
245 250	3.27	1.96	1.17	.70	.42	.25	.15	.09	.05	.01
250 255	11.29	6.55	3.80	2.21	1.28	.75	.43	.25	.15	.04
255 260	6.58	4.00	2.44	1.49	.90	.55	.34	.21	.13	.04
260 265	13.64	7.94	4.63	2.70	1.58	.93	.54	.32	.19	.05
265 270	13.47	8.20	5.00	3.04	1.85	1.13	.69	.42	.26	.07
270 275	11.40	7.02	4.33	2.67	1.66	1.03	.64	.40	.25	.08
275 280	10.25	6.27	3.84	2.35	1.44	.88	.54	.33	.20	.06
280 285	8.17	5.08	3.16	1.98	1.24	.78	.49	.31	.19	.06
285 290	8.63	5.37	3.35	2.09	1.30	.81	.51	.32	.20	.06
290 295	8.44	5.36	3.40	2.16	1.37	.87	.55	.35	.22	.07
295 300	8.28	5.42	3.54	2.32	1.52	.99	.65	.43	.28	.10
300 305	2.37	1.54	1.01	.66	.43	.28	.18	.12	.08	.03
305 310	3.12	1.93	1.20	.74	.46	.28	.18	.11	.07	.02
310 315	0	0	0	0	0	0	0	0	0	0
315 320	2.42	1.54	.98	.63	.40	.25	.16	.10	.07	.02
320 325	4.54	2.96	1.93	1.26	.82	.53	.35	.23	.15	.05
325 330	2.24	1.46	.95	.62	.41	.26	.17	.11	.07	.03
330 335	0	0	0	0	0	0	0	0	0	0
335 340	3.13	2.09	1.40	.93	.62	.42	.28	.19	.12	.05
340 345	2.43	1.55	.99	.63	.40	.26	.16	.10	.07	.02
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	3.29	2.20	1.47	.98	.66	.44	.29	.20	.13	.05
FIRST HARMONIC										
AMPLITUDE	626.80	263.01	118.42	57.34	29.63	16.13	9.11	5.29	3.13	.89
PHASE (IN HOURS)	2.54	3.19	3.92	4.67	5.37	6.00	6.54	7.00	7.40	8.18
SECOND HARMONIC										
AMPLITUDE	346.02	120.87	42.68	15.65	6.50	3.37	2.07	1.35	.89	.31
PHASE (IN HOURS)	1.65	2.03	2.55	3.29	4.29	5.35	6.22	6.85	7.33	8.17

BUDAPEST,HUNGARY

GEOGRAPHIC LATITUDE = 47.50 GEOGRAPHIC LONGITUDE = 18.90

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	20.31	6.66	2.22	.75	.26	.09	.03	.01	.00	.00
5 10	14.21	5.42	2.08	.81	.31	.12	.05	.02	.01	.00
10 15	17.71	6.63	2.53	.98	.39	.16	.06	.03	.01	.00
15 20	9.48	3.29	1.17	.43	.16	.06	.02	.01	.00	.00
20 25	15.35	5.07	1.70	.59	.21	.07	.03	.01	.00	.00
25 30	44.60	14.99	5.18	1.86	.69	.27	.11	.05	.02	.00
30 35	47.14	17.28	6.38	2.37	.89	.34	.13	.05	.02	.00
35 40	35.94	14.63	5.97	2.44	1.00	.41	.17	.07	.03	.00
40 45	26.38	11.79	5.29	2.38	1.08	.49	.22	.10	.05	.01
45 50	33.45	13.57	5.76	2.54	1.16	.54	.26	.12	.06	.01
50 55	27.64	12.73	6.06	2.98	1.53	.82	.46	.27	.16	.06
55 60	27.62	13.55	6.74	3.39	1.72	.88	.45	.24	.12	.02
60 65	14.84	7.10	3.46	1.72	.87	.45	.23	.12	.07	.01
65 70	43.01	19.92	9.69	4.89	2.53	1.34	.71	.39	.21	.05
70 75	46.88	22.38	11.17	5.78	3.08	1.68	.93	.52	.29	.07
75 80	44.49	22.37	11.50	6.04	3.23	1.76	.97	.54	.31	.08
80 85	35.75	19.53	10.78	6.00	3.37	1.91	1.09	.62	.36	.09
85 90	51.05	28.99	16.60	9.58	5.57	3.26	1.92	1.14	.68	.19
90 95	22.71	13.86	8.49	5.21	3.21	1.98	1.23	.76	.47	.15
95 100	16.05	10.05	6.30	3.96	2.50	1.58	1.00	.63	.40	.13
100 105	18.58	12.15	7.96	5.21	3.42	2.24	1.47	.97	.64	.23
105 110	6.12	3.99	2.60	1.70	1.11	.72	.47	.31	.20	.07
110 115	6.86	4.67	3.18	2.17	1.49	1.02	.70	.48	.33	.13
115 120	3.92	2.62	1.75	1.17	.78	.52	.35	.23	.16	.06
120 125	3.90	2.68	1.85	1.27	.87	.60	.41	.28	.20	.08
125 130	5.91	4.08	2.81	1.94	1.34	.93	.64	.44	.31	.12
130 135	1.95	1.34	.92	.64	.44	.30	.21	.14	.10	.04
135 140	3.92	2.69	1.85	1.27	.88	.60	.41	.28	.20	.08
140 145	2.02	1.44	1.02	.73	.52	.37	.26	.19	.13	.06
145 150	0	0	0	0	0	0	0	0	0	0
150 155	1.06	.78	.58	.43	.32	.24	.17	.13	.10	.05
155 160	0	0	0	0	0	0	0	0	0	0
160 165	6.01	4.23	2.98	2.10	1.48	1.04	.73	.52	.36	.15
165 170	2.01	1.43	1.02	.72	.51	.37	.26	.18	.13	.06
170 175	0	0	0	0	0	0	0	0	0	0
175 180	3.97	2.82	2.01	1.43	1.01	.72	.51	.36	.26	.11
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	1.95	1.39	.99	.70	.50	.35	.25	.18	.13	.05
205 210	0	0	0	0	0	0	0	0	0	0
210 215	1.02	.76	.56	.41	.31	.23	.17	.12	.09	.04
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	1.06	.78	.58	.43	.32	.24	.17	.13	.10	.05
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	1.05	.78	.57	.42	.31	.23	.17	.13	.09	.04
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	1.04	.77	.57	.42	.31	.23	.17	.13	.09	.04
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	10.74	3.25	.99	.30	.09	.03	.01	.00	.00	.00
345 350	17.03	5.97	2.10	.74	.26	.09	.03	.01	.00	.00
350 355	5.51	2.22	.89	.36	.14	.06	.02	.01	.00	.00
355 360	5.02	1.95	.77	.31	.12	.05	.02	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	566.42	262.60	130.87	69.43	38.72	22.43	13.38	8.17	5.07	1.64
PHASE (IN HOURS)	2.55	3.08	3.60	4.09	4.51	4.89	5.21	5.50	5.76	6.32
SECOND HARMONIC										
AMPLITUDE	318.34	148.23	76.23	42.00	24.14	14.24	8.56	5.22	3.23	1.02
PHASE (IN HOURS)	2.49	3.05	3.56	3.99	4.34	4.64	4.89	5.13	5.34	5.82

BUENOS AIRES,ARGENTINA

GEOGRAPHIC LATITUDE = -34.58 GEOGRAPHIC LONGITUDE = -58.50

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	16.00	7.89	3.92	1.97	1.00	.51	.26	.14	.07	.01
5 10	28.39	15.06	8.03	4.31	2.32	1.26	.68	.37	.20	.05
10 15	35.92	18.69	9.76	5.11	2.68	1.41	.74	.39	.21	.04
15 20	20.69	11.56	6.48	3.64	2.06	1.16	.66	.38	.21	.05
20 25	12.44	6.98	3.92	2.20	1.24	.69	.39	.22	.12	.03
25 30	9.07	5.08	2.84	1.59	.89	.50	.28	.16	.09	.02
30 35	17.78	9.70	5.30	2.90	1.59	.88	.48	.27	.15	.03
35 40	14.58	8.51	4.97	2.91	1.70	.99	.58	.34	.20	.05
40 45	3.34	1.95	1.13	.66	.38	.22	.13	.08	.04	.01
45 50	8.50	5.10	3.07	1.85	1.12	.67	.41	.25	.15	.04
50 55	0	0	0	0	0	0	0	0	0	0
55 60	3.04	1.77	1.03	.60	.35	.20	.12	.07	.04	.01
60 65	0	0	0	0	0	0	0	0	0	0
65 70	13.91	8.10	4.73	2.76	1.61	.94	.55	.32	.19	.05
70 75	7.96	4.71	2.79	1.65	.98	.58	.34	.20	.12	.03
75 80	0	0	0	0	0	0	0	0	0	0
80 85	9.72	5.93	3.62	2.21	1.35	.83	.50	.31	.19	.06
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	3.21	1.82	1.03	.59	.33	.19	.11	.06	.03	.01
100 105	0	0	0	0	0	0	0	0	0	0
105 110	4.60	2.76	1.65	.99	.59	.35	.21	.13	.08	.02
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	6.10	3.78	2.34	1.45	.90	.55	.34	.21	.13	.04
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	4.74	2.84	1.70	1.02	.61	.36	.22	.13	.08	.02
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	6.03	3.73	2.31	1.43	.89	.55	.34	.21	.13	.04
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	6.07	3.76	2.33	1.44	.89	.55	.34	.21	.13	.04
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	16.07	4.87	1.48	.45	.14	.04	.01	.00	.00	.00
270 275	25.96	9.11	3.20	1.13	.40	.14	.05	.02	.01	.00
275 280	3.72	2.16	1.26	.73	.43	.25	.14	.08	.05	.01
280 285	11.65	4.71	1.91	.77	.31	.13	.05	.02	.01	.00
285 290	34.23	11.58	4.00	1.41	.51	.19	.07	.03	.01	.00
290 295	13.90	5.10	1.87	.69	.25	.09	.03	.01	.00	.00
295 300	13.10	5.47	2.29	.96	.40	.17	.07	.03	.01	.00
300 305	48.31	16.19	5.60	2.01	.75	.29	.11	.05	.02	.00
305 310	104.34	35.38	12.10	4.17	1.45	.51	.18	.07	.02	.00
310 315	62.77	24.55	9.76	3.94	1.62	.67	.29	.12	.05	.01
315 320	46.46	18.59	7.52	3.07	1.27	.53	.22	.09	.04	.00
320 325	44.12	16.46	6.32	2.50	1.01	.42	.17	.07	.03	.00
325 330	46.33	19.39	8.26	3.60	1.59	.71	.32	.15	.07	.01
330 335	38.20	15.82	6.70	2.91	1.30	.59	.28	.13	.06	.01
335 340	42.52	19.15	8.69	3.97	1.82	.84	.39	.18	.09	.01
340 345	60.38	23.74	9.77	4.19	1.87	.86	.40	.19	.09	.02
345 350	36.02	15.42	6.76	3.04	1.40	.66	.32	.16	.08	.02
350 355	41.24	19.36	9.21	4.44	2.16	1.06	.53	.26	.13	.02
355 360	39.86	19.44	9.56	4.73	2.36	1.18	.60	.30	.16	.03
FIRST HARMONIC										
AMPLITUDE	736.74	303.50	131.46	59.87	28.54	14.16	7.25	3.81	2.05	.46
PHASE (IN HOURS)	2.16	2.61	3.09	3.60	4.09	4.55	4.98	5.38	5.74	6.52
SECOND HARMONIC										
AMPLITUDE	451.17	174.09	71.52	31.63	15.03	7.57	3.97	2.14	1.17	.27
PHASE (IN HOURS)	1.80	2.19	2.63	3.10	3.55	3.96	4.31	4.61	4.86	5.34

CALGARY,CANADA

GEOGRAPHIC LATITUDE = 51.08 GEOGRAPHIC LONGITUDE = -114.09

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	.25	.23	.22	.20	.18	.17	.16	.14	.13	.11
5 10	.10	.09	.09	.08	.07	.07	.06	.06	.05	.04
10 15	.05	.05	.04	.04	.04	.03	.03	.0	.03	.02
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	12.81	4.04	1.27	.40	.13	.04	.01	.00	.00	.00
200 205	6.06	2.22	.82	.30	.11	.04	.01	.01	.00	.00
205 210	3.50	1.41	.57	.23	.09	.04	.01	.01	.00	.00
210 215	1.13	.47	.19	.08	.03	.01	.01	.00	.00	.00
215 220	1.25	.53	.22	.09	.04	.02	.01	.00	.00	.00
220 225	8.45	2.74	.91	.31	.11	.04	.01	.01	.00	.00
225 230	6.77	2.42	.88	.33	.13	.05	.02	.01	.00	.00
230 235	6.18	2.27	.83	.31	.11	.04	.02	.01	.00	.00
235 240	52.11	19.21	7.20	2.74	1.06	.41	.16	.07	.03	.00
240 245	37.95	14.29	5.57	2.24	.93	.40	.17	.08	.04	.01
245 250	31.95	13.18	5.60	2.45	1.10	.50	.23	.11	.05	.01
250 255	26.33	11.42	5.15	2.41	1.16	.58	.29	.15	.08	.02
255 260	22.24	10.92	5.45	2.76	1.41	.73	.39	.20	.11	.02
260 265	65.74	36.79	21.19	12.45	7.41	4.45	2.70	1.64	1.00	.30
265 270	103.72	58.13	33.82	20.18	12.26	7.54	4.69	2.94	1.86	.60
270 275	100.83	53.30	29.84	17.55	10.74	6.78	4.39	2.89	1.93	.74
275 280	44.87	26.14	15.84	9.94	6.42	4.25	2.87	1.97	1.36	.57
280 285	69.69	30.10	13.94	6.99	3.81	2.26	1.44	.97	.68	.32
285 290	4.03	3.14	2.44	1.90	1.48	1.15	.90	.70	.54	.29
290 295	5.51	2.89	1.52	.80	.42	.22	.12	.06	.03	.01
295 300	6.44	3.14	1.66	.96	.60	.41	.30	.22	.18	.10
300 305	11.22	5.06	2.55	1.47	.95	.68	.51	.41	.33	.20
305 310	12.85	5.56	2.59	1.34	.79	.53	.39	.30	.24	.15
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02
FIRST HARMONIC										
AMPLITUDE	599.53	292.58	153.05	85.09	49.79	30.38	19.18	12.46	8.30	3.27
PHASE (IN HOURS)	1.19	1.34	1.47	1.58	1.69	1.79	1.88	1.99	2.09	2.41
SECOND HARMONIC										
AMPLITUDE	494.96	250.56	135.15	76.85	45.60	28.00	17.68	11.43	7.53	2.84
PHASE (IN HOURS)	1.26	1.39	1.50	1.59	1.68	1.75	1.83	1.90	1.97	2.18

CAMBRIDGE,U.S.A.

GEOGRAPHIC LATITUDE = 41.38 GEOGRAPHIC LONGITUDE = -71.12

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	3.83	2.84	2.10	1.55	1.15	.85	.63	.47	.35	.16
5 10	.84	.65	.51	.40	.31	.24	.19	.15	.11	.06
10 15	2.51	1.95	1.52	1.18	.92	.72	.56	.43	.34	.18
15 20	1.67	1.30	1.01	.79	.61	.48	.37	.29	.23	.12
20 25	.84	.65	.51	.39	.31	.24	.19	.14	.11	.06
25 30	1.67	1.30	1.01	.79	.61	.48	.37	.29	.22	.12
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	.79	.66	.55	.45	.38	.31	.26	.22	.18	.11
45 50	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
50 55	1.20	1.00	.83	.69	.58	.48	.40	.33	.28	.18
55 60	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
60 65	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
65 70	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	16.39	5.16	1.63	.52	.16	.05	.02	.01	.00	.00
255 260	7.95	2.92	1.07	.39	.14	.05	.02	.01	.00	.00
260 265	7.95	3.25	1.32	.54	.22	.09	.04	.02	.01	.00
265 270	1.90	.82	.36	.16	.07	.03	.01	.01	.00	.00
270 275	17.68	5.85	1.97	.68	.24	.09	.03	.01	.01	.00
275 280	7.78	2.86	1.05	.39	.14	.05	.02	.01	.00	.00
280 285	8.84	3.72	1.58	.67	.29	.12	.05	.02	.01	.00
285 290	24.50	8.16	2.77	.96	.34	.12	.04	.02	.01	.00
290 295	77.94	27.76	10.06	3.71	1.40	.53	.21	.08	.03	.00
295 300	42.10	17.21	7.23	3.14	1.42	.69	.36	.22	.15	.08
300 305	23.85	10.71	4.89	2.27	1.07	.51	.24	.12	.06	.01
305 310	20.61	8.99	4.05	1.88	.89	.43	.22	.11	.06	.01
310 315	37.36	14.87	6.24	2.75	1.27	.60	.30	.15	.08	.01
315 320	17.40	7.37	3.21	1.45	.67	.32	.16	.08	.04	.01
320 325	38.51	19.02	9.56	4.89	2.54	1.34	.71	.38	.21	.05
325 330	34.26	17.76	9.48	5.20	2.92	1.68	.98	.59	.35	.11
330 335	144.46	77.48	43.40	25.05	14.75	8.81	5.31	3.22	1.97	.58
335 340	58.61	31.93	17.95	10.40	6.18	3.76	2.33	1.47	.94	.32
340 345	24.73	14.45	8.63	5.25	3.25	2.04	1.30	.84	.55	.19
345 350	19.89	12.06	7.51	4.79	3.11	2.05	1.37	.92	.63	.24
350 355	19.25	10.93	6.39	3.85	2.39	1.52	.99	.66	.45	.18
355 360	12.62	9.16	6.65	4.83	3.51	2.55	1.86	1.35	.98	.45
FIRST HARMONIC										
AMPLITUDE	609.54	291.60	150.22	82.58	47.91	29.03	18.23	11.78	7.81	3.05
PHASE (IN HOURS)	1.94	2.29	2.63	2.95	3.23	3.48	3.70	3.92	4.12	4.59
SECOND HARMONIC										
AMPLITUDE	442.75	216.84	114.89	64.61	37.93	22.98	14.27	9.04	5.83	2.08
PHASE (IN HOURS)	2.02	2.37	2.68	2.96	3.19	3.39	3.57	3.75	3.92	4.38

CAPE SCHMIDT, U.S.S.R.

GEOGRAPHIC LATITUDE = 68.87 GEOGRAPHIC LONGITUDE = -179.49

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	6.28	2.40	.92	.35	.14	.05	.02	.01	.00	.00
100 105	9.99	3.26	1.08	.36	.12	.04	.02	.01	.00	.00
105 110	0	0	0	0	0	0	0	0	0	0
110 115	.38	.17	.08	.03	.02	.01	.00	.00	.00	.00
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	3.74	1.13	.34	.10	.03	.01	.00	.00	.00	.00
140 145	2.66	.88	.29	.10	.03	.01	.00	.00	.00	.00
145 150	2.93	1.08	.39	.14	.05	.02	.01	.00	.00	.00
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	40.41	14.79	5.51	2.08	.80	.31	.12	.05	.02	.00
165 170	6.75	3.24	1.56	.75	.36	.17	.08	.04	.02	.00
170 175	22.98	8.43	3.22	1.29	.54	.24	.11	.05	.03	.00
175 180	11.46	4.83	2.04	.86	.36	.15	.07	.03	.01	.00
180 185	6.85	3.07	1.45	.71	.36	.19	.10	.05	.03	.01
185 190	11.26	4.63	2.00	.91	.43	.21	.11	.05	.03	.01
190 195	26.00	14.44	8.26	4.83	2.87	1.73	1.06	.65	.40	.13
195 200	90.98	55.23	33.98	21.14	13.29	8.42	5.38	3.47	2.25	.79
200 205	63.29	41.45	27.62	18.69	12.81	8.88	6.22	4.39	3.13	1.38
205 210	45.17	26.17	15.74	9.86	6.43	4.36	3.06	2.21	1.64	.84
210 215	53.68	23.75	11.02	5.35	2.70	1.41	.76	.42	.23	.06
215 220	18.23	8.29	3.84	1.82	.89	.45	.24	.13	.08	.03
220 225	26.41	9.48	3.62	1.52	.73	.42	.28	.21	.18	.13
225 230	11.55	5.96	3.10	1.62	.87	.47	.27	.16	.11	.05
230 235	9.80	3.82	1.54	.64	.27	.12	.05	.02	.01	.00
235 240	7.39	2.90	1.14	.45	.18	.07	.03	.01	.00	.00
240 245	3.91	1.92	.94	.46	.23	.11	.05	.03	.01	.00
245 250	2.75	1.28	.60	.28	.13	.06	.03	.01	.01	.00
250 255	0	0	0	0	0	0	0	0	0	0
255 260	2.07	.93	.42	.19	.08	.04	.02	.01	.00	.00
260 265	3.00	1.29	.55	.24	.10	.04	.02	.01	.00	.00
265 270	1.12	.46	.20	.08	.04	.02	.01	.01	.01	.01
270 275	3.19	1.30	.54	.24	.11	.07	.05	.04	.04	.04
275 280	4.16	1.54	.58	.23	.10	.05	.04	.03	.03	.03
280 285	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
285 290	2.97	.98	.33	.11	.04	.01	.00	.00	.00	.00
290 295	3.64	1.10	.34	.10	.03	.01	.00	.00	.00	.00
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	441.04	226.25	123.95	71.80	43.55	27.44	17.84	11.91	8.14	3.44
PHASE (IN HOURS)	1.33	1.39	1.43	1.46	1.48	1.50	1.52	1.54	1.57	1.69
SECOND HARMONIC										
AMPLITUDE	331.49	183.79	106.82	64.57	40.33	25.90	17.04	11.45	7.84	3.27
PHASE (IN HOURS)	1.43	1.46	1.48	1.49	1.49	1.50	1.51	1.53	1.55	1.63

CHACALTAYA,BOLIVIA

GEOGRAPHIC LATITUDE = -16.31 GEOGRAPHIC LONGITUDE = -68.15

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	24.23	12.49	6.46	3.36	1.75	.92	.48	.26	.14	.03
5 10	10.09	5.30	2.78	1.46	.77	.40	.21	.11	.06	.01
10 15	15.29	8.33	4.55	2.49	1.37	.75	.42	.23	.13	.03
15 20	24.20	12.55	6.53	3.41	1.78	.93	.49	.26	.14	.03
20 25	6.64	3.68	2.04	1.13	.63	.35	.19	.11	.06	.01
25 30	13.25	7.35	4.08	2.26	1.26	.70	.39	.21	.12	.03
30 35	0	0	0	0	0	0	0	0	0	0
35 40	11.91	6.75	3.83	2.17	1.23	.70	.40	.23	.13	.03
40 45	24.22	13.96	8.05	4.65	2.69	1.55	.90	.52	.30	.08
45 50	14.19	7.63	4.10	2.21	1.19	.64	.35	.19	.10	.02
50 55	3.94	2.24	1.27	.72	.41	.23	.13	.07	.04	.01
55 60	6.48	3.60	2.00	1.11	.61	.34	.19	.11	.06	.01
60 65	0	0	0	0	0	0	0	0	0	0
65 70	4.14	2.35	1.33	.76	.43	.24	.14	.08	.04	.01
70 75	10.14	5.90	3.43	2.00	1.16	.68	.39	.23	.13	.03
75 80	9.22	5.52	3.31	1.98	1.18	.71	.42	.25	.15	.04
80 85	0	0	0	0	0	0	0	0	0	0
85 90	9.27	5.34	3.07	1.77	1.02	.59	.34	.19	.11	.03
90 95	4.75	2.77	1.61	.94	.54	.32	.18	.11	.06	.02
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	5.33	3.10	1.80	1.05	.61	.36	.21	.12	.07	.02
130 135	0	0	0	0	0	0	0	0	0	0
135 140	6.63	3.68	2.04	1.13	.63	.35	.19	.11	.06	.01
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	20.33	6.16	1.87	.57	.17	.05	.02	.00	.00	.00
265 270	15.31	5.08	1.68	.56	.18	.06	.02	.01	.00	.00
270 275	18.75	6.88	2.53	.93	.34	.12	.05	.02	.01	.00
275 280	36.13	12.57	4.46	1.62	.60	.22	.09	.03	.01	.00
280 285	24.95	9.21	3.46	1.32	.51	.20	.08	.03	.01	.00
285 290	24.78	9.59	3.74	1.47	.59	.24	.10	.04	.02	.00
290 295	15.94	6.45	2.61	1.06	.43	.17	.07	.03	.01	.00
295 300	164.72	53.33	17.51	5.85	2.00	.70	.25	.09	.04	.00
300 305	95.51	35.53	13.29	5.01	1.90	.72	.28	.11	.04	.00
305 310	58.87	24.04	9.91	4.12	1.73	.74	.32	.14	.06	.01
310 315	83.38	31.32	12.02	4.71	1.88	.76	.31	.13	.05	.01
315 320	47.58	19.06	7.68	3.11	1.26	.52	.21	.09	.04	.00
320 325	39.32	17.77	8.06	3.66	1.67	.76	.35	.16	.07	.01
325 330	71.14	29.19	12.41	5.43	2.44	1.12	.52	.25	.12	.02
330 335	44.31	18.12	7.56	3.21	1.38	.60	.27	.12	.05	.01
335 340	44.78	19.35	8.51	3.81	1.73	.79	.37	.17	.08	.01
340 345	51.06	23.86	11.26	5.36	2.57	1.25	.61	.30	.15	.03
345 350	18.70	9.10	4.48	2.23	1.13	.57	.30	.15	.08	.02
350 355	13.80	6.47	3.04	1.44	.68	.32	.15	.07	.04	.01
355 360	40.78	20.78	10.63	5.46	2.82	1.46	.76	.40	.21	.04
FIRST HARMONIC										
AMPLITUDE	882.01	353.86	149.09	66.14	30.83	15.02	7.59	3.95	2.10	.46
PHASE (IN HOURS)	2.12	2.58	3.10	3.64	4.18	4.69	5.15	5.55	5.90	6.57
SECOND HARMONIC										
AMPLITUDE	564.19	202.96	74.55	28.21	11.21	4.81	2.28	1.19	.66	.17
PHASE (IN HOURS)	1.48	1.76	2.11	2.55	3.09	3.72	4.38	5.00	5.51	6.40

CHICAGO, U.S.A.

GEOGRAPHIC LATITUDE = 41.83 GEOGRAPHIC LONGITUDE = -87.67

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	1.59	1.24	.96	.75	.58	.45	.35	.2	.21	.11
5 10	.81	.63	.49	.38	.30	.23	.18	.1	.11	.06
10 15	0	0	0	0	0	0	0		0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	.77	.64	.54	.45	.37	.31	.26	.21	.18	.11
25 30	.40	.33	.27	.23	.19	.16	.13	.11	.09	.06
30 35	1.19	.99	.83	.69	.57	.48	.40	.33	.28	.17
35 40	.80	.67	.56	.46	.39	.32	.27	.22	.19	.12
40 45	0	0	0	0	0	0	0	0	0	0
45 50	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	15.81	4.98	1.57	.50	.16	.05	.02	.01	.00	.00
235 240	7.68	2.82	1.03	.38	.14	.05	.02	.01	.00	.00
240 245	4.58	1.84	.74	.30	.12	.05	.02	.01	.00	.00
245 250	3.16	1.32	.55	.23	.10	.04	.02	.01	.00	.00
250 255	10.65	3.47	1.16	.40	.14	.05	.02	.01	.00	.00
255 260	8.59	3.09	1.13	.43	.16	.06	.03	.01	.00	.00
260 265	7.69	2.82	1.04	.38	.14	.05	.02	.01	.00	.00
265 270	20.69	7.33	2.67	1.01	.39	.15	.06	.03	.01	.00
270 275	60.23	22.01	8.18	3.09	1.19	.46	.18	.07	.03	.00
275 280	47.71	18.38	7.27	2.94	1.22	.52	.22	.10	.04	.01
280 285	36.32	15.34	6.69	3.00	1.37	.64	.30	.15	.07	.01
285 290	22.64	9.81	4.38	2.01	.95	.46	.22	.11	.06	.01
290 295	25.39	12.01	5.82	2.88	1.45	.75	.39	.20	.11	.02
295 300	45.84	17.95	7.46	3.31	1.55	.77	.40	.21	.12	.03
300 305	47.23	23.51	12.10	6.42	3.50	1.95	1.11	.64	.38	.10
305 310	123.51	71.30	41.58	24.48	14.53	8.69	5.23	3.17	1.93	.57
310 315	84.72	40.67	21.08	11.64	6.76	4.06	2.51	1.58	1.00	.34
315 320	41.65	22.08	12.04	6.76	3.90	2.32	1.41	.87	.55	.19
320 325	20.08	12.06	7.52	4.84	3.17	2.12	1.43	.97	.66	.26
325 330	16.64	9.80	5.98	3.77	2.45	1.62	1.09	.75	.52	.21
330 335	21.96	13.45	8.60	5.70	3.89	2.71	1.92	1.37	.99	.45
335 340	2.48	1.84	1.36	1.01	.74	.55	.41	.30	.22	.11
340 345	0	0	0	0	0	0	0	0	0	0
345 350	1.61	1.26	.98	.76	.59	.46	.36	.28	.22	.12
350 355	2.40	1.87	1.45	1.13	.88	.69	.53	.42	.32	.17
355 360	.80	.62	.48	.38	.29	.23	.18	.14	.11	.06
FIRST HARMONIC										
AMPLITUDE	626.92	299.14	153.25	83.62	48.11	28.91	18.00	11.55	7.59	2.92
PHASE (IN HOURS)	1.69	1.97	2.25	2.52	2.76	2.99	3.21	3.43	3.64	4.19
SECOND HARMONIC										
AMPLITUDE	486.88	236.78	123.44	68.06	39.19	23.33	14.25	8.90	5.66	1.97
PHASE (IN HOURS)	1.75	2.02	2.26	2.48	2.68	2.86	3.03	3.20	3.38	3.87

CHURCHILL,CANADA

GEOGRAPHIC LATITUDE = 58.75 GEOGRAPHIC LONGITUDE = -94.09

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	[illegible]	0	0
5 10	0	0	0	0	0	0	0	[illegible]	0	0
10 15	0	0	0	0	0	0	0	[illegible]	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	17.21	5.70	1.90	.64	.22	.07	.03	.01	.00	.00
210 215	3.93	1.59	.64	.26	.11	.04	.02	.01	.00	.00
215 220	2.05	.88	.38	.16	.07	.03	.01	.01	.00	.00
220 225	1.05	.47	.21	.10	.04	.02	.01	.00	.00	.00
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	11.29	3.72	1.25	.43	.15	.06	.02	.01	.00	.00
240 245	4.97	1.82	.67	.25	.09	.03	.01	.00	.00	.00
245 250	3.97	1.61	.65	.26	.11	.04	.02	.01	.00	.00
250 255	24.38	10.70	4.72	2.09	.93	.42	.19	.09	.04	.01
255 260	33.48	12.09	4.53	1.77	.73	.31	.14	.07	.03	.01
260 265	43.06	16.61	6.61	2.71	1.15	.50	.23	.10	.05	.01
265 270	19.01	7.49	3.12	1.37	.63	.30	.15	.07	.04	.01
270 275	11.43	5.20	2.45	1.20	.60	.31	.16	.09	.05	.01
275 280	32.08	17.52	9.83	5.65	3.32	1.98	1.20	.74	.46	.14
280 285	78.27	48.85	30.87	19.74	12.76	8.34	5.50	3.66	2.46	.95
285 290	72.15	45.67	29.89	20.08	13.78	9.63	6.84	4.93	3.60	1.73
290 295	74.53	35.08	17.66	9.46	5.36	3.20	2.00	1.31	.89	.40
295 300	20.96	10.51	5.44	2.91	1.61	.93	.56	.36	.24	.13
300 305	28.41	13.19	6.25	3.02	1.49	.75	.38	.20	.10	.02
305 310	33.60	12.35	4.68	1.83	.74	.31	.13	.06	.03	.00
310 315	0	0	0	0	0	0	0	0	0	0
315 320	4.70	2.47	1.30	.68	.36	.19	.10	.05	.03	.01
320 325	0	0	0	0	0	0	0	0	0	0
325 330	3.63	1.78	.87	.43	.21	.10	.05	.02	.01	.00
330 335	2.49	1.16	.54	.25	.12	.06	.03	.01	.01	.00
335 340	3.28	1.45	.64	.28	.13	.06	.02	.01	.00	.00
340 345	4.61	1.89	.77	.32	.13	.05	.02	.01	.00	.00
345 350	3.04	1.11	.41	.15	.06	.02	.01	.00	.00	.00
350 355	4.11	1.30	.41	.13	.04	.01	.00	.00	.00	.00
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	491.65	242.88	129.01	73.02	43.58	27.16	17.55	11.69	7.99	3.41
PHASE (IN HOURS)	1.03	1.14	1.22	1.28	1.33	1.36	1.38	1.40	1.41	1.45
SECOND HARMONIC										
AMPLITUDE	381.05	199.59	111.50	65.67	40.37	25.71	16.86	11.35	7.81	3.36
PHASE (IN HOURS)	1.11	1.21	1.27	1.32	1.35	1.37	1.39	1.40	1.41	1.45

CLIMAX,U.S.A.

GEOGRAPHIC LATITUDE = 39.37 GEOGRAPHIC LONGITUDE = -106.18

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	3.93	2.91	2.16	1.60	1.18	.87	.65	.48	.35	.17
5 10	4.09	3.03	2.24	1.66	1.23	.91	.67	.50	.37	.17
10 15	0	0	0	0	0	0	0	0	0	0
15 20	1.72	1.34	1.04	.81	.63	.49	.38	.30	.23	.12
20 25	0	0	0	0	0	0	0	0	0	0
25 30	1.73	1.34	1.05	.81	.63	.49	.38	.30	.23	.12
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	1.65	1.28	1.00	.78	.61	.47	.37	.29	.22	.12
50 55	3.21	2.50	1.94	1.51	1.18	.92	.71	.56	.43	.23
55 60	0	0	0	0	0	0	0	0	0	0
60 65	1.54	1.20	.93	.73	.56	.44	.34	.27	.21	.11
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	1.50	1.17	.91	.71	.55	.43	.33	.26	.20	.11
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	1.55	1.21	.94	.73	.57	.44	.35	.27	.21	.11
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	14.24	4.49	1.42	.45	.14	.05	.01	.00	.00	.00
220 225	7.17	2.63	.97	.35	.13	.05	.02	.01	.00	.00
225 230	4.36	1.76	.71	.28	.11	.05	.02	.01	.00	.00
230 235	1.46	.60	.25	.10	.04	.02	.01	.00	.00	.00
235 240	17.57	5.93	2.04	.72	.26	.09	.04	.01	.01	.00
240 245	7.37	2.70	.99	.36	.13	.05	.02	.01	.00	.00
245 250	17.50	6.09	2.17	.80	.30	.12	.05	.02	.01	.00
250 255	52.05	18.79	6.90	2.57	.98	.38	.15	.06	.02	.00
255 260	41.79	15.76	6.07	2.39	.96	.39	.16	.07	.03	.00
260 265	28.24	11.62	4.88	2.08	.90	.40	.18	.08	.04	.01
265 270	30.89	13.17	5.79	2.61	1.20	.57	.27	.13	.06	.01
270 275	23.11	10.51	4.88	2.31	1.11	.54	.27	.13	.07	.01
275 280	40.12	16.14	6.84	3.06	1.43	.70	.35	.18	.10	.02
280 285	43.16	19.92	9.48	4.64	2.32	1.19	.62	.32	.17	.04
285 290	36.03	17.91	9.13	4.76	2.53	1.36	.75	.41	.23	.06
290 295	101.40	51.25	27.36	15.20	8.69	5.06	2.99	1.78	1.07	.31
295 300	78.68	42.09	23.00	12.82	7.28	4.19	2.45	1.45	.86	.25
300 305	21.75	12.56	7.48	4.56	2.84	1.79	1.14	.73	.47	.16
305 310	29.29	16.00	9.00	5.22	3.11	1.89	1.18	.75	.48	.16
310 315	3.52	2.35	1.57	1.05	.70	.47	.31	.21	.14	.05
315 320	5.29	3.64	2.50	1.72	1.18	.81	.56	.39	.26	.10
320 325	5.36	3.70	2.55	1.76	1.22	.84	.58	.40	.28	.11
325 330	5.34	3.72	2.59	1.80	1.25	.87	.61	.42	.30	.12
330 335	1.85	1.31	.93	.66	.47	.34	.24	.17	.12	.05
335 340	3.68	2.62	1.86	1.32	.94	.67	.48	.34	.24	.10
340 345	3.55	2.48	1.74	1.22	.85	.60	.42	.29	.21	.08
345 350	1.83	1.30	.93	.66	.47	.33	.24	.17	.12	.05
350 355	5.66	4.13	3.02	2.21	1.62	1.18	.86	.63	.46	.21
355 360	7.80	5.71	4.19	3.07	2.25	1.65	1.21	.89	.65	.30
FIRST HARMONIC										
AMPLITUDE	567.64	265.04	132.89	71.18	40.38	24.04	14.90	9.55	6.29	2.43
PHASE (IN HOURS)	1.93	2.34	2.79	3.24	3.70	4.13	4.56	4.96	5.34	6.21
SECOND HARMONIC										
AMPLITUDE	414.00	190.26	93.28	48.28	26.08	14.55	8.33	4.87	2.90	.87
PHASE (IN HOURS)	1.78	2.10	2.41	2.71	3.00	3.28	3.57	3.85	4.16	5.02

COLLEGE,ALASKA

GEOGRAPHIC LATITUDE = 64.85 GEOGRAPHIC LONGITUDE = -147.84

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	8.92	2.81	.89	.28	.09	.03	.01	.00	.00	.00
140 145	5.79	2.19	.83	.32	.12	.05	.02	.01	.00	.00
145 150	.59	.24	.10	.04	.02	.01	.00	.00	.00	.00
150 155	.59	.25	.11	.04	.02	.01	.00	.00	.00	.00
155 160	.58	.25	.11	.05	.02	.01	.00	.00	.00	.00
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	.55	.25	.11	.05	.02	.01	.00	.00	.00	.00
175 180	4.26	1.29	.39	.12	.04	.01	.00	.00	.00	.00
180 185	3.10	1.03	.34	.11	.04	.01	.00	.00	.00	.00
185 190	3.56	1.31	.48	.18	.06	.02	.01	.00	.00	.00
190 195	40.51	14.76	5.47	2.06	.79	.31	.12	.05	.02	.00
195 200	10.09	4.62	2.13	.99	.46	.22	.10	.05	.02	.00
200 205	25.48	9.37	3.60	1.45	.61	.27	.12	.06	.03	.01
205 210	16.26	7.24	3.27	1.50	.70	.33	.16	.08	.04	.01
210 215	7.91	3.94	1.97	.99	.50	.26	.13	.07	.04	.01
215 220	38.31	19.86	10.88	6.19	3.62	2.15	1.30	.79	.49	.15
220 225	93.23	55.99	34.33	21.38	13.48	8.59	5.53	3.58	2.34	.83
225 230	67.42	43.47	28.71	19.36	13.27	9.24	6.51	4.63	3.33	1.50
230 235	47.28	26.95	15.87	9.68	6.13	4.03	2.75	1.94	1.40	.69
235 240	57.19	25.03	11.49	5.52	2.76	1.44	.78	.44	.25	.08
240 245	19.26	8.86	4.21	2.08	1.10	.62	.39	.27	.21	.13
245 250	26.10	9.94	3.98	1.70	.78	.39	.22	.13	.09	.05
250 255	21.02	8.61	3.73	1.70	.88	.39	.19	.09	.05	.01
255 260	12.00	4.86	1.98	.81	.33	.14	.06	.02	.01	.00
260 265	0	0	0	0	0	0	0	0	0	0
265 270	4.01	1.97	.97	.47	.23	.11	.06	.03	.01	.00
270 275	2.83	1.32	.62	.29	.13	.06	.03	.01	.01	.00
275 280	2.15	.97	.44	.20	.09	.05	.03	.02	.01	.01
280 285	1.76	.78	.36	.18	.10	.06	.05	.04	.04	.04
285 290	2.55	1.07	.46	.20	.09	.05	.03	.02	.02	.02
290 295	3.28	1.32	.54	.22	.09	.04	.02	.01	.01	.01
295 300	4.26	1.56	.57	.21	.08	.03	.01	.00	.00	.00
300 305	3.01	1.08	.33	.11	.04	.01	.00	.00	.00	.00
305 310	3.63	1.10	.33	.10	.03	.01	.00	.00	.00	.00
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	484.04	244.09	131.74	75.39	45.30	28.34	18.33	12.19	8.32	3.50
PHASE (IN HOURS)	.93	.97	1.00	1.02	1.03	1.04	1.05	1.07	1.09	1.19
SECOND HARMONIC										
AMPLITUDE	377.01	202.64	115.05	68.37	42.19	26.87	17.58	11.77	8.05	3.37
PHASE (IN HOURS)	.98	1.00	1.02	1.02	1.03	1.03	1.04	1.06	1.08	1.16

DALLAS,U.S.A.

GEOGRAPHIC LATITUDE = 32.78 GEOGRAPHIC LONGITUDE = -96.80

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	3.64	2.51	1.72	1.18	.81	.56	.39	.27	.18	.07
5 10	3.69	2.50	1.70	1.15	.78	.53	.36	.24	.17	.06
10 15	5.36	3.73	2.59	1.80	1.25	.87	.61	.42	.29	.12
15 20	1.88	1.29	.89	.61	.42	.29	.20	.14	.09	.04
20 25	1.74	1.24	.88	.63	.45	.32	.23	.16	.11	.05
25 30	0	0	0	0	0	0	0	0	0	0
30 35	3.74	2.61	1.83	1.28	.89	.63	.44	.31	.21	.09
35 40	3.58	2.54	1.81	1.29	.91	.65	.46	.33	.23	.10
40 45	1.79	1.27	.90	.64	.46	.33	.23	.16	.12	.05
45 50	0	0	0	0	0	0	0	0	0	0
50 55	1.70	1.21	.86	.61	.44	.31	.22	.16	.11	.05
55 60	1.68	1.19	.85	.60	.43	.30	.22	.15	.11	.05
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	1.47	1.09	.80	.60	.44	.33	.24	.18	.13	.06
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	3.35	2.48	1.83	1.36	1.00	.74	.55	.41	.30	.14
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	1.77	1.26	.90	.64	.45	.32	.23	.16	.12	.05
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	1.65	1.22	.90	.67	.49	.37	.27	.20	.15	.07
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	10.83	3.28	.99	.30	.09	.03	.01	.00	.00	.00
230 235	7.99	2.65	.88	.29	.10	.03	.01	.00	.00	.00
235 240	9.37	3.44	1.26	.46	.17	.06	.02	.01	.00	.00
240 245	7.71	3.12	1.26	.51	.21	.08	.03	.01	.01	.00
245 250	12.89	4.16	1.37	.46	.16	.06	.02	.01	.00	.00
250 255	20.06	7.24	2.64	.97	.36	.13	.05	.02	.01	.00
255 260	2.84	1.27	.57	.26	.11	.05	.02	.01	.00	.00
260 265	54.94	18.50	6.31	2.18	.76	.27	.10	.04	.01	.00
265 270	64.30	23.67	8.87	3.38	1.31	.52	.21	.08	.03	.00
270 275	42.49	16.56	6.58	2.66	1.09	.45	.19	.08	.04	.00
275 280	36.18	15.52	6.78	3.00	1.35	.61	.28	.13	.06	.01
280 285	35.44	14.02	5.79	2.49	1.11	.51	.24	.11	.06	.01
285 290	50.01	19.32	7.68	3.14	1.32	.57	.25	.11	.05	.01
290 295	33.49	15.89	7.66	3.75	1.86	.93	.47	.24	.12	.02
295 300	35.26	16.12	7.49	3.53	1.69	.82	.40	.20	.10	.02
300 305	59.88	25.18	11.20	5.24	2.56	1.29	.67	.35	.19	.04
305 310	53.37	26.06	13.00	6.62	3.43	1.81	.97	.53	.29	.07
310 315	37.91	19.85	10.53	5.66	3.08	1.70	.94	.53	.30	.07
315 320	29.74	15.88	8.57	4.67	2.57	1.43	.80	.45	.26	.06
320 325	36.04	20.21	11.41	6.49	3.72	2.15	1.25	.73	.43	.12
325 330	33.15	19.79	11.84	7.11	4.28	2.58	1.56	.95	.58	.17
330 335	19.57	12.50	8.01	5.16	3.33	2.16	1.41	.93	.61	.22
335 340	9.47	6.06	3.88	2.49	1.59	1.02	.66	.42	.27	.09
340 345	12.50	8.27	5.47	3.63	2.40	1.59	1.06	.70	.47	.17
345 350	3.51	2.32	1.53	1.01	.67	.44	.29	.19	.13	.05
350 355	5.29	3.57	2.41	1.63	1.10	.74	.50	.34	.23	.09
355 360	1.81	1.21	.81	.54	.36	.24	.16	.11	.07	.03
FIRST HARMONIC										
AMPLITUDE	638.83	285.68	136.56	69.47	37.30	20.93	12.16	7.26	4.44	1.39
PHASE (IN HOURS)	2.08	2.52	3.00	3.47	3.92	4.33	4.71	5.07	5.39	6.13
SECOND HARMONIC										
AMPLITUDE	427.29	186.01	88.41	45.63	25.16	14.55	8.70	5.33	3.33	1.09
PHASE (IN HOURS)	1.96	2.40	2.86	3.30	3.69	4.02	4.31	4.55	4.77	5.18

DEEP RIVER,CANADA

GEOGRAPHIC LATITUDE = 46.10 GEOGRAPHIC LONGITUDE = -77.50

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	.36	.30	.25	.21	.18	.15	.12	.10	.08	.05
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02
40 45	.20	.19	.17	.16	.15	.14	.13	.12	.11	.09
45 50	.21	.19	.18	.16	.15	.14	.13	.12	.11	.09
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	22.57	7.49	2.50	.84	.29	.10	.03	.01	.00	.00
245 250	4.27	1.72	.69	.28	.11	.04	.02	.01	.00	.00
250 255	2.90	1.21	.50	.21	.09	.04	.02	.01	.00	.00
255 260	1.68	.73	.32	.14	.06	.03	.01	.00	.00	.00
260 265	16.12	5.32	1.79	.61	.22	.08	.03	.01	.00	.00
265 270	7.10	2.61	.96	.35	.13	.05	.02	.01	.00	.00
270 275	6.45	2.73	1.16	.50	.21	.09	.04	.02	.01	.00
275 280	3.08	1.28	.54	.22	.09	.04	.02	.01	.00	.00
280 285	71.85	25.84	9.50	3.57	1.37	.54	.22	.09	.04	.00
285 290	43.44	16.57	6.47	2.59	1.06	.44	.19	.08	.04	.00
290 295	34.49	14.18	6.05	2.67	1.21	.56	.27	.13	.06	.01
295 300	18.28	8.66	4.18	2.05	1.03	.52	.27	.14	.07	.02
300 305	20.87	9.73	4.64	2.26	1.12	.57	.29	.15	.08	.02
305 310	31.67	12.81	5.57	2.59	1.27	.66	.35	.19	.11	.03
310 315	63.71	32.91	17.70	9.85	5.63	3.29	1.95	1.17	.71	.21
315 320	112.11	64.94	38.24	22.83	13.79	8.41	5.17	3.20	2.00	.63
320 325	64.10	34.84	19.95	11.85	7.24	4.51	2.86	1.84	1.20	.43
325 330	87.78	46.30	26.29	15.89	10.09	6.65	4.49	3.09	2.15	.90
330 335	7.67	4.93	3.23	2.16	1.47	1.01	.71	.50	.36	.16
335 340	6.22	3.80	2.53	1.80	1.34	1.01	.78	.60	.47	.25
340 345	12.61	7.08	4.22	2.66	1.77	1.23	.88	.65	.49	.25
345 350	9.07	4.30	2.04	.97	.46	.22	.10	.05	.02	.00
350 355	1.86	1.55	1.29	1.07	.89	.74	.62	.51	.43	.27
355 360	1.10	.92	.76	.64	.53	.44	.37	.31	.25	.16
FIRST HARMONIC										
AMPLITUDE	598.89	290.72	151.81	84.48	49.56	30.34	19.24	12.55	8.40	3.36
PHASE (IN HOURS)	1.64	1.90	2.13	2.33	2.51	2.66	2.80	2.93	3.06	3.41
SECOND HARMONIC										
AMPLITUDE	469.05	236.54	128.16	73.46	43.97	27.22	17.31	11.26	7.46	2.86
PHASE (IN HOURS)	1.76	2.00	2.21	2.39	2.53	2.65	2.77	2.87	2.98	3.25

DENVER,U.S.A.

GEOGRAPHIC LATITUDE = 39.75 GEOGRAPHIC LONGITUDE = -105.00

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	2.64	1.96	1.45	1.07	.79	.59	.43	.32	.24	.11
5 10	0	0	0	0	0	0	0	0	0	0
10 15	.89	.69	.54	.42	.33	.25	.20	.15	.12	.06
15 20	.91	.71	.55	.43	.33	.26	.20	.16	.12	.07
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	1.81	1.41	1.10	.85	.66	.52	.40	.31	.24	.13
35 40	1.79	1.39	1.08	.84	.66	.51	.40	.31	.24	. 3
40 45	0	0	0	0	0	0	0	0	0	0
45 50	.84	.66	.51	.40	.31	.24	.19	.15	.11	.06
50 55	.84	.66	.51	.40	.31	.24	.19	.15	.11	.06
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	.91	.71	.55	.43	.33	.26	.20	.16	.12	.07
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	16.11	5.08	1.60	.51	.16	.05	.02	.01	.00	.00
220 225	7.91	2.90	1.07	.39	.14	.05	.02	.01	.00	.00
225 230	0	0	0	0	0	0	0	0	0	0
230 235	6.39	2.58	1.05	.42	.17	.07	.03	.01	.00	.00
235 240	10.91	3.52	1.16	.39	.13	.05	.02	.01	.00	.00
240 245	16.94	6.11	2.22	.81	.30	.11	.04	.02	.01	.00
245 250	2.30	1.03	.46	.21	.09	.04	.02	.01	.00	.00
250 255	59.57	20.66	7.27	2.60	.94	.34	.13	.05	.02	.00
255 260	48.59	18.53	7.23	2.89	1.18	.49	.21	.09	.04	.00
260 265	38.03	15.24	6.20	2.57	1.08	.46	.20	.09	.04	.01
265 270	38.70	16.16	7.00	3.12	1.43	.67	.32	.15	.07	.01
270 275	15.75	7.52	3.64	1.78	.88	.44	.22	.11	.06	.01
275 280	46.63	19.25	8.37	3.82	1.82	.89	.45	.23	.12	.03
280 285	53.07	23.79	11.06	5.31	2.63	1.33	.69	.36	.19	.04
285 290	38.05	18.54	9.29	4.78	2.51	1.34	.73	.41	.23	.06
290 295	119.48	61.51	33.24	18.59	10.65	6.20	3.65	2.17	1.30	.37
295 300	91.23	48.13	26.11	14.52	8.25	4.78	2.81	1.68	1.01	.30
300 305	21.58	12.26	7.20	4.34	2.67	1.66	1.05	.67	.43	.15
305 310	22.53	12.72	7.41	4.44	2.72	1.70	1.08	.70	.45	.16
310 315	10.09	5.17	2.70	1.44	.79	.44	.26	.15	.09	.03
315 320	8.15	5.57	3.81	2.61	1.78	1.22	.83	.57	.39	.15
320 325	3.08	2.15	1.51	1.05	.74	.52	.36	.25	.18	.07
325 330	4.50	3.17	2.23	1.57	1.10	.77	.55	.38	.27	.11
330 335	2.89	2.06	1.46	1.04	.74	.53	.37	.27	.19	.08
335 340	2.98	2.08	1.46	1.02	.71	.50	.35	.24	.17	.07
340 345	1.42	1.01	.72	.51	.36	.26	.18	.13	.09	.04
345 350	3.92	2.86	2.08	1.52	1.11	.81	.59	.43	.32	.15
350 355	6.54	4.79	3.52	2.58	1.90	1.39	1.02	.75	.55	.26
355 360	1.27	.94	.70	.52	.38	.28	.21	.15	.11	.05
FIRST HARMONIC										
AMPLITUDE	632.58	294.16	146.36	77.43	43.18	25.16	15.19	9.45	6.03	2.15
PHASE (IN HOURS)	1.77	2.11	2.46	2.80	3.14	3.46	3.77	4.08	4.37	5.08
SECOND HARMONIC										
AMPLITUDE	476.59	220.73	109.07	56.90	30.98	17.44	10.08	5.96	3.60	1.13
PHASE (IN HOURS)	1.74	2.03	2.31	2.58	2.84	3.08	3.33	3.58	3.84	4.57

DUMONT DURVILLE,ANTARCTICA

GEOGRAPHIC LATITUDE = -66.67 GEOGRAPHIC LONGITUDE = 140.02

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	1.67	.55	.18	.06	.02	.01	.00	.00	.00	.00
10 15	2.43	.74	.22	.07	.02	.01	.00	.00	.00	.00
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	1.83	.90	.44	.22	.11	.05	.03	.01	.01	.00
75 80	4.60	2.17	1.03	.49	.23	.11	.05	.03	.01	.00
80 85	4.54	1.92	.81	.34	.15	.06	.03	.01	.00	.00
85 90	4.22	1.70	.68	.27	.11	.04	.02	.01	.00	.00
90 95	21.50	7.14	2.39	.80	.27	.09	.03	.01	.00	.00
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	16.77	6.60	2.63	1.06	.43	.18	.07	.03	.01	.00
110 115	13.81	4.66	1.62	.58	.22	.09	.04	.02	.01	.00
115 120	0	0	0	0	0	0	0	0	0	0
120 125	6.68	3.33	1.70	.88	.46	.24	.13	.07	.04	.01
125 130	6.02	3.07	1.57	.81	.42	.21	.11	.06	.03	.01
130 135	6.06	3.00	1.49	.74	.37	.19	.09	.05	.02	.00
135 140	13.82	6.72	3.30	1.64	.82	.42	.21	.11	.06	.01
140 145	40.34	15.86	6.35	2.60	1.09	.47	.21	.10	.05	.01
145 150	36.51	14.00	5.65	2.42	1.12	.55	.29	.16	.09	.03
150 155	35.02	15.99	8.01	4.31	2.44	1.43	.86	.52	.32	.10
155 160	21.01	12.86	7.93	4.92	3.08	1.94	1.24	.79	.51	.18
160 165	27.78	17.75	11.47	7.50	4.95	3.30	2.22	1.51	1.03	.42
165 170	26.73	17.32	11.53	7.87	5.50	3.91	2.83	2.08	1.55	.77
170 175	12.49	7.79	5.01	3.31	2.26	1.59	1.15	.85	.65	.38
175 180	15.46	7.31	3.56	1.80	.95	.52	.30	.18	.11	.04
180 185	17.07	6.55	2.68	1.17	.55	.28	.15	.09	.05	.01
185 190	4.63	2.32	1.17	.59	.30	.16	.08	.04	.02	.00
190 195	4.29	1.89	.84	.37	.16	.07	.03	.01	.01	.00
195 200	3.10	1.29	.54	.23	.09	.04	.02	.01	.00	.00
200 205	4.24	1.70	.69	.28	.11	.04	.02	.01	.00	.00
205 210	13.50	5.14	2.02	.82	.35	.15	.07	.03	.02	.00
210 215	6.39	1.94	.59	.18	.05	.02	.01	.00	.00	.00
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	1.46	.72	.35	.17	.09	.04	.02	.01	.00	.00
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	.86	.40	.19	.09	.04	.02	.01	.00	.00	.00
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	.58	.26	.12	.05	.02	.01	.00	.00	.00	.00
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	.44	.19	.08	.04	.02	.01	.00	.00	.00	.00
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	.36	.15	.06	.03	.01	.00	.00	.00	.00	.00
305 310	0	0	0	0	0	0	0	0	0	0
310 315	.31	.13	.05	.02	.01	.00	.00	.00	.00	.00
315 320	0	0	0	0	0	0	0	0	0	0
320 325	.95	.38	.15	.06	.02	.01	.00	.00	.00	.00
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	1.74	.64	.23	.09	.03	.01	.00	.00	.00	.00
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	310.22	147.80	76.15	42.14	24.79	15.34	9.88	6.59	4.52	1.96
PHASE (IN HOURS)	.65	.81	.97	1.11	1.24	1.34	1.43	1.50	1.56	1.68
SECOND HARMONIC										
AMPLITUDE	204.74	104.97	58.06	34.19	21.15	13.60	9.02	6.14	4.28	1.90
PHASE (IN HOURS)	.83	.98	1.12	1.24	1.34	1.42	1.49	1.54	1.59	1.69

DURHAM,U.S.A.

GEOGRAPHIC LATITUDE = 43.10 GEOGRAPHIC LONGITUDE = -70.84

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	4.20	3.27	2.55	1.98	1.54	1.20	.93	.73	.57	.30
5 10	1.67	1.30	1.01	.79	.61	.48	.37	.29	.22	.12
10 15	.82	.64	.50	.39	.30	.23	.18	.14	.11	.06
15 20	.82	.64	.50	.39	.30	.24	.18	.14	.11	.06
20 25	0	0	0	0	0	0	0	0	0	0
25 30	.76	.63	.53	.44	.37	.30	.25	.21	.18	.11
30 35	1.15	.96	.80	.66	.55	.46	.38	.32	.27	.17
35 40	1.16	.97	.80	.67	.56	.46	.39	.32	.27	.17
40 45	0	0	0	0	0	0	0	0	0	0
45 50	.39	.33	.27	.23	.19	.16	.13	.11	.09	.06
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	.06	.05	.05	.04	.04	.04	.03	.03	.03	.02
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	.06	.05	.05	.04	.04	.04	.03	.03	.03	.02
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	.06	.05	.05	.04	.04	.04	.03	.03	.03	.02
245 250	4.21	1.24	.37	.11	.03	.01	.00	.00	.00	.00
250 255	19.68	6.72	2.33	.83	.31	.13	.07	.04	.03	.02
255 260	4.57	1.84	.74	.30	.12	.05	.02	.01	.00	.00
260 265	3.18	1.35	.59	.27	.14	.08	.05	.04	.03	.02
265 270	1.82	.79	.34	.15	.06	.03	.01	.01	.00	.00
270 275	17.15	5.67	1.91	.66	.23	.08	.03	.01	.00	.00
275 280	7.55	2.77	1.02	.37	.14	.05	.02	.01	.00	.00
280 285	8.49	3.58	1.51	.64	.27	.12	.05	.02	.01	.00
285 290	24.21	8.05	2.72	.94	.33	.12	.04	.02	.01	.00
290 295	77.75	28.32	10.52	3.99	1.54	.61	.24	.10	.04	.00
295 300	39.51	15.53	6.26	2.59	1.09	.47	.21	.09	.04	.01
300 305	21.74	10.00	4.64	2.18	1.03	.49	.24	.12	.06	.01
305 310	21.27	9.11	4.05	1.86	.88	.43	.21	.11	.05	.01
310 315	29.82	12.03	5.15	2.33	1.10	.54	.27	.14	.07	.01
315 320	25.30	10.87	4.84	2.24	1.07	.53	.27	.14	.08	.02
320 325	37.37	18.43	9.31	4.81	2.55	1.39	.77	.44	.26	.08
325 330	65.76	36.81	21.01	12.18	7.16	4.25	2.55	1.54	.94	.28
330 335	133.20	71.17	39.91	23.16	13.76	8.32	5.09	3.14	1.95	.61
335 340	46.85	25.43	14.24	8.21	4.87	2.96	1.84	1.16	.75	.26
340 345	23.40	13.92	8.56	5.41	3.50	2.30	1.53	1.03	.70	.27
345 350	18.57	11.87	7.82	5.28	3.62	2.52	1.77	1.25	.89	.39
350 355	25.99	15.45	9.55	6.12	4.05	2.75	1.90	1.34	.95	.42
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	604.31	291.02	150.90	83.44	48.66	29.62	18.66	12.09	8.03	3.14
PHASE (IN HOURS)	1.87	2.19	2.50	2.77	3.01	3.22	3.40	3.57	3.73	4.08
SECOND HARMONIC										
AMPLITUDE	448.82	223.06	119.67	68.06	40.39	24.76	15.57	10.00	6.54	2.43
PHASE (IN HOURS)	1.98	2.30	2.59	2.83	3.04	3.21	3.38	3.53	3.68	4.08

ELLSWORTH,ANTARCTICA

GEOGRAPHIC LATITUDE = -77.72 GEOGRAPHIC LONGITUDE = -41.12

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	28.63	15.87	9.08	5.41	3.37	2.21	1.52	1.09	.82	.45
5 10	53.27	23.92	11.15	5.39	2.70	1.41	.76	.43	.26	.09
10 15	17.11	7.76	3.57	1.67	.80	.39	.19	.09	.05	.01
15 20	27.49	10.52	4.25	1.81	.82	.39	.19	.10	.05	.01
20 25	5.04	2.65	1.39	.73	.38	.20	.11	.06	.03	.01
25 30	3.50	1.84	1.02	.60	.39	.28	.22	.18	.16	.12
30 35	2.35	1.27	.70	.40	.24	.15	.10	.08	.06	.04
35 40	7.66	3.67	1.77	.86	.43	.22	.12	.07	.04	.02
40 45	1.18	.51	.22	.10	.04	.02	.01	.00	.00	.00
45 50	3.70	1.51	.62	.25	.10	.04	.02	.01	.00	.00
50 55	3.54	1.67	.79	.37	.18	.08	.04	.02	.01	.00
55 60	4.47	1.81	.74	.31	.13	.05	.02	.01	.00	.00
60 65	3.17	1.23	.48	.19	.08	.03	.01	.01	.00	.00
65 70	2.31	.87	.34	.13	.05	.02	.01	.00	.00	.00
70 75	1.85	.68	.26	.10	.04	.02	.01	.00	.00	.00
75 80	3.36	1.35	.54	.22	.09	.04	.01	.01	.00	.00
80 85	0	0	0	0	0	0	0	0	0	0
85 90	4.60	1.69	.62	.23	.08	.03	.01	.00	.00	.00
90 95	0	0	0	0	0	0	0	0	0	0
95 100	3.48	1.15	.38	.13	.04	.01	.00	.00	.00	.00
100 105	2.46	.76	.24	.07	.02	.01	.00	.00	.00	.00
105 110	1.97	.58	.17	.05	.01	.00	.00	.00	.00	.00
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
135 140	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
140 145	.18	.08	.04	.02	.01	.00	.00	.00	.00	.00
145 150	0	0	0	0	0	0	0	0	0	0
150 155	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
155 160	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
160 165	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
195 200	0	0	0	0	0	0	0	0	0	0
200 205	.39	.17	.08	.04	.02	.01	.00	.00	.00	.00
205 210	0	0	0	0	0	0	0	0	0	0
210 215	.53	.23	.10	.04	.02	.01	.00	.00	.00	.00
215 220	1.18	.49	.20	.09	.04	.01	.01	.00	.00	.00
220 225	1.98	.80	.32	.13	.05	.02	.01	.00	.00	.00
225 230	4.03	1.48	.54	.20	.07	.03	.01	.00	.00	.00
230 235	9.37	2.95	.93	.29	.09	.03	.01	.00	.00	.00
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	3.00	.91	.28	.08	.03	.01	.00	.00	.00	.00
260 265	2.02	.67	.22	.07	.02	.01	.00	.00	.00	.00
265 270	1.94	.71	.26	.10	.04	.01	.00	.00	.00	.00
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	.87	.35	.15	.06	.03	.02	.01	.01	.01	.01
285 290	0	0	0	0	0	0	0	0	0	0
290 295	.26	.11	.04	.02	.01	.00	.00	.00	.00	.00
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	21.84	7.29	2.45	.83	.28	.10	.03	.01	.00	.00
310 315	17.54	6.72	2.63	1.05	.42	.17	.07	.03	.01	.00
315 320	11.72	4.42	1.70	.66	.27	.11	.04	.02	.01	.00
320 325	7.52	3.32	1.48	.67	.30	.14	.06	.03	.01	.00
325 330	7.45	3.39	1.59	.77	.38	.19	.09	.05	.02	.00
330 335	3.41	1.33	.53	.22	.09	.04	.02	.01	.00	.00
335 340	9.42	4.76	2.51	1.37	.77	.44	.26	.15	.09	.03
340 345	45.20	27.45	16.91	10.52	6.60	4.16	2.63	1.67	1.07	.35
345 350	59.89	37.13	23.19	14.60	9.26	5.92	3.81	2.47	1.62	.58
350 355	54.19	35.62	23.79	16.09	11.00	7.59	5.27	3.69	2.60	1.10
355 360	24.56	15.57	10.17	6.83	4.71	3.31	2.37	1.73	1.28	.62
FIRST HARMONIC										
AMPLITUDE	379.06	203.47	115.37	68.48	42.21	26.85	17.54	11.73	8.00	3.31
PHASE (IN HOURS)	2.33	2.36	2.36	2.36	2.35	2.34	2.35	2.36	2.39	2.50
SECOND HARMONIC										
AMPLITUDE	277.63	162.59	98.16	60.89	38.70	25.15	16.67	11.27	7.75	3.27
PHASE (IN HOURS)	2.43	2.40	2.38	2.35	2.33	2.32	2.33	2.34	2.36	2.43

ILLEGAL I/O ON UNIT 50

GOOSE BAY, CANADA

GEOGRAPHIC LATITUDE = 53.33 GEOGRAPHIC LONGITUDE = -60.42

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	4.91	2.58	1.35	.71	.37	.20	.10	.05	.03	.01
5 10	1.87	.77	.36	.20	.14	.11	.10	.09	.08	.06
10 15	8.67	4.12	2.03	1.06	.60	.38	.27	.21	.18	.13
15 20	3.67	1.61	.70	.31	.13	.06	.03	.01	.01	.00
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
45 50	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05
50 55	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	26.93	9.31	3.26	1.15	.41	.15	.05	.02	.01	.00
260 265	2.85	1.22	.52	.22	.10	.04	.02	.01	.00	.00
265 270	1.53	.69	.31	.14	.06	.03	.01	.01	.00	.00
270 275	0	0	0	0	0	0	0	0	0	0
275 280	14.45	4.79	1.63	.57	.20	.08	.03	.01	.00	.00
280 285	6.24	2.29	.84	.31	.11	.04	.02	.01	.00	.00
285 290	6.30	2.57	1.05	.43	.18	.07	.03	.01	.00	.00
290 295	1.53	.66	.29	.12	.05	.02	.01	.00	.00	.00
295 300	3.49	1.64	.77	.37	.17	.08	.04	.02	.01	.00
300 305	92.69	33.18	12.18	4.59	1.78	.71	.29	.12	.05	.01
305 310	32.37	13.34	5.62	2.43	1.07	.48	.22	.10	.05	.01
310 315	15.39	7.21	3.42	1.65	.80	.40	.20	.10	.05	.01
315 320	11.81	5.18	2.33	1.08	.51	.25	.12	.06	.03	.01
320 325	8.45	4.38	2.29	1.21	.64	.34	.18	.10	.05	.01
325 330	29.53	12.87	6.10	3.12	1.68	.95	.55	.33	.20	.06
330 335	52.34	28.29	15.89	9.21	5.48	3.32	2.04	1.27	.79	.25
335 340	98.17	57.10	33.75	20.23	12.29	7.54	4.68	2.93	1.85	.61
340 345	56.89	36.56	23.86	15.79	10.58	7.17	4.90	3.38	2.35	.98
345 350	78.97	38.32	20.30	11.66	7.16	4.64	3.13	2.17	1.54	.70
350 355	15.33	9.38	5.98	3.97	2.75	1.97	1.46	1.10	.85	.47
355 360	5.07	3.25	2.17	1.51	1.10	.82	.63	.50	.40	.24
FIRST HARMONIC										
AMPLITUDE	523.52	258.36	137.41	77.91	46.54	28.99	18.69	12.40	8.44	3.53
PHASE (IN HOURS)	1.76	2.02	2.25	2.44	2.59	2.70	2.80	2.89	2.97	3.19
SECOND HARMONIC										
AMPLITUDE	391.39	204.87	115.13	68.23	42.08	26.79	17.50	11.69	7.96	3.29
PHASE (IN HOURS)	1.93	2.18	2.39	2.54	2.65	2.75	2.83	2.90	2.97	3.15

HAFELEKAR,AUSTRIA

GEOGRAPHIC LATITUDE = 47.32 GEOGRAPHIC LONGITUDE = 11.37

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	9.46	3.41	1.23	.45	.16	.06	.02	.01	.00	.00
5 10	11.51	4.56	1.85	.76	.32	.13	.06	.02	.01	.00
10 15	10.82	3.90	1.43	.54	.21	.08	.03	.01	.01	.00
15 20	29.93	10.25	3.64	1.35	.52	.21	.09	.04	.02	.00
20 25	49.31	16.80	5.76	1.98	.69	.24	.08	.03	.01	.00
25 30	38.01	15.19	6.10	2.46	1.00	.41	.17	.07	.03	.00
30 35	17.12	7.25	3.08	1.31	.56	.24	.10	.04	.02	.00
35 40	30.63	13.51	6.07	2.77	1.27	.59	.28	.13	.06	.01
40 45	23.57	9.74	4.20	1.88	.86	.41	.20	.10	.05	.01
45 50	18.42	8.11	3.65	1.68	.79	.38	.18	.09	.05	.01
50 55	29.79	14.38	7.03	3.48	1.74	.88	.45	.23	.12	.02
55 60	20.77	10.43	5.32	2.75	1.44	.76	.41	.22	.12	.03
60 65	37.04	16.49	7.82	3.91	2.02	1.08	.58	.32	.18	.04
65 70	48.14	23.40	11.70	6.00	3.15	1.68	.91	.50	.28	.07
70 75	39.51	20.91	11.24	6.14	3.40	1.90	1.08	.62	.36	.09
75 80	45.08	25.12	14.12	8.00	4.56	2.62	1.51	.88	.51	.14
80 85	36.40	21.42	12.71	7.60	4.57	2.77	1.69	1.03	.63	.19
85 90	19.14	12.00	7.55	4.76	3.01	1.90	1.21	.77	.49	.16
90 95	19.40	12.54	8.12	5.27	3.42	2.23	1.45	.95	.62	.22
95 [illegible]	6.15	4.01	2.62	1.71	1.12	.73	.48	.31	.20	.07
[illegible] 105	8.28	5.54	3.71	2.49	1.67	1.12	.75	.50	.34	.13
105 110	4.17	2.79	1.86	1.24	.83	.56	.37	.25	.17	.06
110 115	[illegible]23	1.53	1.05	.72	.50	.34	.24	.16	.11	.04
115 120	8.[illegible]	6.12	4.22	2.91	2.01	1.39	.96	.66	.46	.18
120 125	2.2[illegible]	1.53	1.05	.72	.50	.34	.24	.16	.11	.04
125 130	6.82	4.75	3.30	2.30	1.60	1.12	.78	.54	.38	.15
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	[illegible]	0	0	0	0	0	0	0	0
145 150	2.37	1.6[illegible]	1.20	.85	.60	.43	.31	.22	.15	.07
150 155	6.97	4.9[illegible]	3.45	2.43	1.71	1.20	.85	.60	.42	.18
155 160	0	[illegible]	0	0	0	0	0	0	0	0
160 165	2.33	1.6[illegible]	1.18	.84	.60	.42	.30	.21	.15	.07
165 170	2.35	1.[illegible]7	1.19	.84	.60	.43	.30	.22	.15	.07
170 175	3.22	2.[illegible]8	1.77	1.31	.97	.72	.53	.39	.29	.14
175 180	0	0	0	0	0	0	0	0	0	0
180 185	2.30	1.64	1.16	.83	.59	.42	.30	.21	.15	.06
185 190	3.14	2.33	1.72	1.27	.94	.70	.52	.38	.28	.13
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	3.25	2.41	1.78	1.32	.98	.72	.54	.40	.29	.14
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	2.25	1.60	1.14	.81	.58	.41	.29	.21	.15	.06
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	3.06	2.27	1.68	1.24	.92	.68	.50	.37	.28	.13
330 335	0	0	0	0	0	0	0	0	0	0
335 340	17.02	5.36	1.69	.54	.17	.05	.02	.01	.00	.00
340 345	8.54	3.14	1.15	.42	.16	.06	.02	.01	.00	.00
345 350	9.84	3.89	1.55	.62	.25	.10	.04	.02	.01	.00
350 355	12.13	3.96	1.32	.45	.16	.06	.02	.01	.00	.00
355 360	8.86	3.22	1.19	.45	.17	.07	.03	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	515.13	240.84	120.98	64.65	36.30	21.17	12.71	7.81	4.89	1.62
PHASE (IN HOURS)	2.69	3.24	3.79	4.31	4.77	5.18	5.56	5.90	6.22	6.94
SECOND HARMONIC										
AMPLITUDE	285.02	132.94	68.13	37.27	21.22	12.39	7.37	4.45	2.73	.86
PHASE (IN HOURS)	2.60	3.15	3.67	4.11	4.49	4.82	5.12	5.40	5.68	6.37

HALEAKALA, HAWAII

GEOGRAPHIC LATITUDE = 20.71 GEOGRAPHIC LONGITUDE = -156.26

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	8.41	4.77	2.71	1.54	.87	.49	.28	.16	.09	.02
5 10	0	0	0	0	0	0	0	0	0	0
10 15	6.40	3.73	2.17	1.26	.73	.43	.25	.14	.08	.02
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	6.14	3.40	1.89	1.05	.58	.32	.18	.10	.06	.01
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	3.77	2.26	1.35	.81	.48	.29	.17	.10	.06	.02
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	3.82	2.29	1.37	.82	.49	.29	.18	.11	.06	.02
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	19.67	5.96	1.81	.55	.17	.05	.02	.00	.00	.00
175 180	14.69	4.87	1.61	.53	.18	.06	.02	.01	.00	.00
180 185	17.60	6.46	2.37	.87	.32	.12	.04	.02	.01	.00
185 190	11.20	4.51	1.81	.73	.29	.12	.05	.02	.01	.00
190 195	42.88	14.33	4.86	1.68	.59	.21	.08	.03	.01	.00
195 200	22.99	8.77	3.36	1.30	.50	.20	.08	.03	.01	.00
200 205	64.48	20.82	6.83	2.29	.79	.28	.10	.04	.01	.00
205 210	71.19	24.83	8.76	3.13	1.13	.41	.15	.06	.02	.00
210 215	103.87	38.33	14.36	5.47	2.11	.83	.33	.13	.05	.01
215 220	50.59	20.06	8.04	3.26	1.33	.55	.23	.09	.04	.00
220 225	95.17	35.98	14.03	5.64	2.33	.98	.42	.19	.08	.01
225 230	60.78	23.57	9.31	3.75	1.53	.64	.27	.11	.05	.01
230 235	63.72	26.19	10.92	4.62	1.98	.86	.38	.17	.08	.01
235 240	69.54	28.58	12.22	5.40	2.46	1.14	.54	.26	.13	.02
240 245	54.20	22.05	9.14	3.86	1.66	.72	.32	.14	.06	.01
245 250	46.23	19.58	8.42	3.67	1.62	.72	.33	.15	.07	.01
250 255	39.21	17.73	8.12	3.76	1.76	.84	.40	.20	.10	.02
255 260	31.79	15.17	7.31	3.56	1.75	.87	.44	.22	.11	.02
260 265	41.88	20.80	10.37	5.19	2.60	1.31	.66	.34	.17	.03
265 270	23.8[illegible]	12.37	6.44	3.37	1.76	.93	.49	.26	.14	.03
270 275	13.74	6.99	3.58	1.85	.96	.50	.26	.14	.07	.02
275 280	10.32	5.42	2.85	1.50	.79	.41	.22	.11	.06	.01
280 285	0	0	0	0	0	0	0	0	0	0
285 290	38.42	20.39	10.85	5.79	3.10	1.67	.90	.49	.26	.06
290 295	12.16	6.75	3.74	2.08	1.15	.64	.36	.20	.11	.03
295 300	6.10	3.39	1.88	1.04	.58	.32	.18	.10	.05	.01
300 305	0	0	0	0	0	0	0	0	0	0
305 310	13.92	7.82	4.40	2.47	1.39	.78	.44	.25	.14	.03
310 315	5.66	3.30	1.92	1.12	.65	.38	.22	.13	.07	.02
315 320	3.88	2.20	1.25	.71	.40	.23	.13	.07	.04	.01
320 325	12.72	6.93	3.79	2.08	1.15	.63	.35	.20	.11	.03
325 330	5.60	3.11	1.72	.96	.53	.29	.16	.09	.05	.01
330 335	9.95	5.57	3.12	1.75	.98	.55	.31	.17	.10	.02
335 340	12.45	7.24	4.21	2.45	1.43	.83	.48	.28	.16	.04
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	6.16	3.58	2.08	1.21	.71	.41	.24	.14	.08	.02
355 360	3.77	2.26	1.35	.81	.48	.29	.17	.10	.06	.02
FIRST HARMONIC										
AMPLITUDE	883.35	351.76	146.35	63.75	29.05	13.80	6.80	3.45	1.79	.37
PHASE (IN HOURS)	2.00	2.41	2.87	3.36	3.86	4.35	4.81	5.23	5.61	6.38
SECOND HARMONIC										
AMPLITUDE	588.10	215.86	81.28	31.59	12.81	5.50	2.54	1.26	.67	.16
PHASE (IN HOURS)	1.50	1.76	2.07	2.45	2.90	3.41	3.95	4.48	4.96	5.85

ILLEGAL I/O ON UNIT 50

HEISS ISLAND, U.S.S.R.

GEOGRAPHIC LATITUDE = 80.33 GEOGRAPHIC LONGITUDE = 57.80

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	11.04	3.87	1.36	.48	.17	.06	.02	.01	.00	.00
5 10	7.00	2.12	.64	.20	.06	.02	.01	.00	.00	.00
10 15	0	0	0	0	0	0	0	0	0	0
15 20	15.80	5.67	2.07	.77	.29	.11	.04	.02	.01	.00
20 25	.82	.38	.18	.08	.04	.02	.01	.00	.00	.00
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	.81	.40	.20	.10	.05	.02	.01	.01	.00	.00
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	5.77	3.12	1.69	.91	.49	.27	.15	.08	.04	.01
55 60	3.26	1.60	.79	.39	.19	.09	.05	.02	.01	.00
60 65	5.48	2.33	1.05	.49	.24	.12	.06	.03	.02	.00
65 70	13.74	6.35	2.99	1.43	.70	.34	.17	.09	.04	.01
70 75	24.23	10.03	4.20	1.79	.77	.34	.15	.07	.03	.01
75 80	32.89	11.33	4.05	1.52	.61	.26	.12	.06	.03	.01
80 85	6.73	4.01	2.43	1.50	.93	.59	.37	.24	.15	.05
85 90	7.80	4.59	2.75	1.67	1.03	.64	.40	.26	.16	.05
90 95	25.10	15.79	10.05	6.47	4.21	2.77	1.84	1.23	.84	.33
95 100	31.55	20.90	14.08	9.63	6.69	4.71	3.36	2.42	1.77	.34
100 105	19.42	12.18	7.85	5.20	3.54	2.49	1.79	1.33	1.01	.56
105 110	6.55	4.29	2.82	1.88	1.26	.85	.58	.40	.29	.13
110 115	7.00	4.05	2.38	1.42	.86	.53	.33	.21	.13	.04
115 120	8.09	4.22	2.23	1.19	.65	.36	.20	.12	.07	.02
120 125	4.31	2.12	1.06	.54	.28	.14	.08	.04	.02	.00
125 130	6.79	2.93	1.27	.55	.24	.11	.05	.02	.01	.00
130 135	9.30	4.25	1.99	.96	.47	.24	.12	.06	.03	.01
135 140	9.11	3.25	1.19	.45	.17	.07	.03	.01	.00	.00
140 145	5.25	2.12	.86	.35	.14	.06	.02	.01	.00	.00
145 150	5.82	2.14	.78	.29	.11	.04	.01	.01	.00	.00
150 155	8.53	3.55	1.55	.70	.3[illegible]	.16	.08	.04	.02	.00
155 160	5.98	1.81	.55	.17	.05	.02	.00	.00	.00	.00
160 165	0	0	0	0	0	0	0	0	0	0
165 170	.75	.35	.16	.08	.04	.02	.01	.00	.00	.00
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	2.58	1.25	.60	.29	.14	.07	.03	.02	.01	.00
185 190	0	0	0	0	0	0	0	0	0	0
190 195	.37	.16	.07	.03	.01	.01	.00	.00	.00	.00
195 200	1.54	.72	.34	.16	.07	.03	.02	.01	.00	.00
200 205	0	0	0	0	0	0	0	0	0	0
205 210	.28	.12	.05	.02	.01	.00	.00	.00	.00	.00
210 215	1.24	.56	.25	.1[illegible]	.05	.02	.01	.00	.00	.00
215 220	.23	.09	.04	.0[illegible]	.01	.00	.00	.00	.00	.00
220 225	1.07	.47	.20	.[illegible]	.04	.02	.01	.00	.00	.00
225 230	.65	.26	.11	.[illegible]4	.02	.01	.00	.00	.00	.00
230 235	.92	.39	.16	.07	.03	.01	.01	.00	.00	.00
235 240	.81	.33	.14	.06	.02	.01	.00	.00	.00	.00
240 245	2.45	.98	.40	.16	.06	.03	.01	.00	.00	.00
245 250	0	0	0	0	0	0	0	0	0	0
250 255	3.94	1.45	.53	.20	.07	.03	.01	.00	.00	.00
255 260	1.06	.39	.14	.05	.02	.01	.00	.00	.00	.00
260 265	3.39	1.12	.37	.12	.04	.01	.00	.00	.00	.00
265 270	4.62	1.40	.42	.13	.04	.01	.00	.00	.00	.00
270 275	0	0	0	0	0	0	0	0	0	0
275 280	1.02	.34	.11	.04	.01	.00	.00	.00	.00	.00
280 285	.81	.25	.08	.02	.01	.00	.00	.00	.00	.00
285 290	.70	.21	.06	.02	.01	.00	.00	.00	.00	.00
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	.57	.30	.16	.08	.04	.02	.01	.01	.00	.00
340 345	1.41	.69	.34	.17	.08	.04	.02	.01	.00	.00
345 350	1.50	.70	.33	.15	.07	.03	.02	.01	.00	.00
350 355	2.80	1.23	.55	.24	.11	.05	.02	.01	.00	.00
355 360	5.87	2.39	.98	.40	.16	.07	.03	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	208.11	109.23	61.28	36.34	22.55	14.52	9.64	6.58	4.60	2.06
PHASE (IN HOURS)	2.07	2.24	2.37	2.46	2.53	2.57	2.61	2.63	2.66	2.71
SECOND HARMONIC										
AMPLITUDE	126.16	74.55	46.00	29.34	19.22	12.88	8.81	6.14	4.36	2.00
PHASE (IN HOURS)	2.31	2.42	2.50	2.55	2.59	2.61	2.63	2.65	2.67	2.71

HERMANUS,S.AFRICA

GEOGRAPHIC LATITUDE = -34.42 GEOGRAPHIC LONGITUDE = 19.22

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	21.26	7.01	2.34	.80	.28	.10	.04	.01	.01	.00
5 10	12.60	4.86	1.89	.74	.29	.12	.05	.02	.01	.00
10 15	33.10	11.51	4.10	1.50	.56	.22	.09	.04	.01	.00
15 20	54.66	19.86	7.33	2.74	1.04	.40	.16	.06	.02	.00
20 25	60.58	23.43	9.29	3.77	1.56	.66	.28	.12	.05	.01
25 30	33.82	13.92	5.86	2.52	1.10	.49	.22	.10	.05	.01
30 35	32.83	13.09	5.36	2.25	.96	.42	.19	.08	.04	.01
35 40	44.54	18.68	8.19	3.73	1.75	.84	.41	.20	.10	.02
40 45	54.74	22.85	9.95	4.51	2.11	1.02	.51	.25	.13	.03
45 50	37.20	16.40	7.40	3.42	1.62	.78	.39	.19	.10	.02
50 55	56.41	25.36	11.96	5.86	2.96	1.53	.80	.43	.23	.05
55 60	54.98	23.90	10.82	5.10	2.50	1.27	.66	.35	.19	.04
60 65	34.78	17.29	8.75	4.51	2.36	1.26	.68	.37	.20	.05
65 70	33.01	17.26	9.14	4.91	2.67	1.47	.82	.46	.26	.07
70 75	22.34	11.94	6.43	3.49	1.91	1.06	.59	.33	.19	.05
75 80	25.22	14.18	8.02	4.55	2.60	1.49	.86	.50	.29	.08
80 85	12.76	7.51	4.44	2.63	1.57	.94	.56	.34	.20	.06
85 90	11.02	6.45	3.79	2.23	1.31	.77	.46	.27	.16	.04
90 95	10.26	6.33	3.91	2.43	1.51	.94	.58	.37	.23	.07
95 100	4.02	2.49	1.55	.96	.60	.37	.23	.15	.09	.03
100 105	9.91	6.20	3.89	2.44	1.53	.97	.61	.38	.24	.08
105 110	2.52	1.56	.97	.60	.37	.23	.14	.09	.05	.02
110 115	6.10	3.90	2.50	1.61	1.04	.67	.43	.28	.18	.06
115 120	8.19	5.20	3.31	2.10	1.34	.85	.54	.34	.22	.07
120 125	8.44	5.45	3.52	2.27	1.47	.95	.62	.40	.26	.09
125 130	11.54	7.59	4.99	3.29	2.17	1.43	.94	.62	.41	.1[illegible]
130 135	7.78	5.20	3.48	2.33	1.56	1.05	.70	.47	.32	.12
135 140	5.93	4.04	2.75	1.87	1.28	.87	.59	.40	.28	.11
140 145	6.03	4.11	2.80	1.91	1.30	.89	.60	.41	.28	.11
145 150	4.09	2.86	2.00	1.40	.98	.69	.48	.34	.24	.10
150 155	0	0	0	0	0	0	0	0	0	0
155 160	2.01	1.39	.95	.66	.45	.31	.21	.15	.10	.04
160 165	.45	.34	.25	.18	.14	.10	.07	.06	.04	.02
165 170	4.07	2.84	1.99	1.39	.98	.68	.48	.34	.23	.10
170 175	2.08	1.48	1.05	.75	.53	.38	.27	.19	.14	.06
175 180	2.05	1.46	1.04	.74	.53	.37	.27	.19	.13	.06
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	2.01	1.43	1.02	.72	.51	.37	.26	.19	.13	.06
200 205	0	0	0	0	0	0	0	0	0	0
205 210	2.01	1.43	1.02	.72	.51	.37	.26	.18	.13	.06
210 215	2.00	1.42	1.01	.72	.51	.36	.26	.18	.13	.06
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	.45	.34	.25	.18	.14	.10	.07	.06	.04	.02
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	2.08	1.48	1.05	.75	.53	.38	.27	.19	.14	.06
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	.45	.34	.25	.18	.14	.10	.07	.06	.04	.02
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	10.66	3.23	.98	.30	.09	.03	.01	.00	.00	.00
345 350	17.32	6.08	2.14	.75	.27	.09	.03	.01	.00	.00
350 355	5.90	2.37	.95	.38	.15	.06	.02	.01	.00	.00
355 360	4.19	1.75	.73	.30	.13	.05	.02	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	620.75	271.48	126.93	63.45	33.73	18.89	11.04	6.66	4.13	1.35
PHASE (IN HOURS)	1.88	2.38	2.95	3.55	4.15	4.71	5.23	5.70	6.12	7.00
SECOND HARMONIC										
AMPLITUDE	398.90	158.75	66.14	29.07	13.61	6.88	3.77	2.24	1.41	.51
PHASE (IN HOURS)	1.43	1.78	2.19	2.68	3.24	3.84	4.46	5.05	5.58	6.57

HUANCAYO.PERU

GEOGRAPHIC LATITUDE = -12.03 GEOGRAPHIC LONGITUDE = -76.88

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	10.40	5.47	2.87	1.51	.79	.42	.22	.11	.06	.01
5 10	10.01	5.26	2.76	1.45	.76	.40	.21	.11	.06	.01
10 15	19.60	10.44	5.60	3.02	1.64	.90	.49	.27	.15	.04
15 20	10.49	5.51	2.90	1.52	.80	.42	.22	.12	.06	.01
20 25	13.56	7.53	4.18	2.32	1.29	.71	.40	.22	.12	.03
25 30	6.78	3.76	2.09	1.16	.64	.36	.20	.11	.06	.01
30 35	12.19	6.91	3.92	2.22	1.26	.72	.41	.23	.13	.03
35 40	6.78	3.76	2.09	1.16	.64	.36	.20	.11	.06	.01
40 45	13.79	7.99	4.64	2.69	1.56	.91	.53	.31	.18	.05
45 50	14.63	7.86	4.23	2.28	1.23	.66	.36	.19	.11	.02
50 55	4.05	2.30	1.30	.74	.42	.24	.14	.08	.04	.01
55 60	6.68	3.71	2.06	1.14	.63	.35	.20	.11	.06	.01
60 65	0	0	0	0	0	0	0	0	0	0
65 70	4.24	2.40	1.36	.77	.44	.25	.14	.08	.05	.01
70 75	0	0	0	0	0	0	0	0	0	0
75 80	10.39	6.05	3.52	2.05	1.19	.69	.40	.23	.14	.04
80 85	5.24	3.14	1.88	1.12	.67	.40	.24	.14	.09	.02
85 90	0	0	0	0	0	0	0	0	0	0
90 95	9.46	5.45	3.13	1.81	1.04	.60	.34	.20	.11	.03
95 100	0	0	0	0	0	0	0	0	0	0
100 105	4.97	2.89	1.68	.98	.57	.33	.19	.11	.07	.02
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	5.36	3.12	1.81	1.06	.61	.36	.21	.12	.07	.02
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	6.78	3.76	2.09	1.16	.64	.36	.20	.11	.06	.01
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	9.41	2.77	.82	.24	.07	.02	.01	.00	.00	.00
255 260	27.57	8.88	2.87	.93	.30	.10	.03	.01	.00	.00
260 265	19.47	7.15	2.62	.96	.35	.13	.05	.02	.01	.00
265 270	12.38	4.98	2.00	.81	.32	.13	.05	.02	.01	.00
270 275	45.70	15.31	5.21	1.81	.64	.23	.08	.03	.01	.00
275 280	24.80	9.47	3.63	1.40	.54	.21	.08	.03	.01	.00
280 285	18.69	7.81	3.27	1.38	.58	.25	.10	.04	.02	.00
285 290	143.01	46.43	15.35	5.19	1.80	.65	.24	.09	.04	.00
290 295	105.01	37.38	13.37	4.81	1.74	.63	.23	.09	.03	.00
295 300	48.98	19.69	8.05	3.35	1.42	.61	.27	.12	.05	.01
300 305	93.61	36.26	14.26	5.69	2.29	.93	.38	.16	.07	.01
305 310	56.92	22.45	8.95	3.60	1.46	.60	.25	.10	.04	.00
310 315	55.82	23.62	10.11	4.38	1.91	.85	.38	.17	.08	.01
315 320	52.48	22.09	9.57	4.25	1.93	.89	.42	.20	.10	.02
320 325	59.37	23.43	9.53	3.98	1.70	.74	.33	.15	.07	.01
325 330	32.40	13.00	5.27	2.17	.90	.38	.16	.07	.03	.00
330 335	55.05	25.86	12.25	5.85	2.81	1.36	.66	.32	.16	.03
335 340	35.48	16.57	7.77	3.66	1.73	.82	.39	.19	.09	.01
340 345	20.66	10.26	5.14	2.60	1.32	.68	.35	.18	.10	.02
345 350	6.47	2.90	1.30	.58	.26	.12	.05	.02	.01	.00
350 355	24.49	12.71	6.61	3.45	1.80	.95	.50	.26	.14	.03
355 360	35.04	18.16	9.44	4.93	2.58	1.35	.71	.37	.20	.04
FIRST HARMONIC										
AMPLITUDE	887.60	351.82	145.94	63.56	29.06	13.89	6.89	3.53	1.85	.39
PHASE (IN HOURS)	2.07	2.51	3.02	3.56	4.11	4.64	5.13	5.58	5.97	6.74
SECOND HARMONIC										
AMPLITUDE	569.92	203.50	74.12	27.82	10.97	4.69	2.21	1.14	.62	.15
PHASE (IN HOURS)	1.46	1.73	2.08	2.52	3.06	3.69	4.33	4.92	5.41	6.27

INUVIK,CANADA

GEOGRAPHIC LATITUDE = 68.35 GEOGRAPHIC LONGITUDE = -133.73

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	10.05	3.71	1.38	.52	.20	.07	.03	.01	.00	.00
140 145	5.11	1.60	.51	.16	.05	.02	.01	.00	.00	.00
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	3.46	1.05	.32	.10	.03	.01	.00	.00	.00	.00
185 190	2.49	.83	.27	.09	.03	.01	.00	.00	.00	.00
190 195	2.78	1.02	.38	.14	.05	.02	.01	.00	.00	.00
195 200	9.04	4.26	2.01	.95	.45	.21	.10	.05	.02	.00
200 205	40.69	15.22	5.85	2.32	.95	.40	.17	.08	.04	.01
205 210	.54	.22	.09	.04	.02	.01	.00	.00	.00	.00
210 215	29.98	11.19	4.31	1.72	.71	.30	.14	.06	.03	.01
215 220	9.39	4.52	2.19	1.07	.52	.26	.13	.06	.03	.01
220 225	15.13	8.81	5.17	3.06	1.83	1.10	.67	.41	.25	.08
225 230	35.28	20.38	12.36	7.74	4.97	3.25	2.16	1.45	.99	.39
230 235	93.74	59.08	38.43	25.61	17.42	12.06	8.48	6.06	4.40	2.10
235 240	40.51	23.51	14.08	8.67	5.47	3.53	2.32	1.55	1.06	.45
240 245	30.20	15.81	8.38	4.51	2.46	1.37	.77	.44	.26	.07
245 250	32.32	14.84	7.01	3.40	1.69	.86	.45	.23	.13	.03
250 255	26.86	10.23	4.02	1.63	.68	.29	.13	.06	.03	.00
255 260	13.77	5.94	2.65	1.23	.59	.29	.15	.08	.04	.01
260 265	25.45	9.99	4.18	1.86	.87	.42	.21	.11	.06	.01
265 270	2.17	1.01	.47	.22	.10	.05	.02	.01	.00	.00
270 275	7.49	3.46	1.61	.75	.36	.17	.08	.04	.02	.00
275 280	14.74	5.68	2.26	.93	.39	.17	.08	.03	.02	.00
280 285	0	0	0	0	0	0	0	0	0	0
285 290	2.63	1.23	.57	.27	.12	.06	.03	.01	.01	.00
290 295	2.02	.91	.41	.18	.08	.04	.02	.01	.00	.00
295 300	1.65	.72	.31	.13	.06	.03	.01	.00	.00	.00
300 305	1.35	.57	.24	.10	.04	.02	.01	.00	.00	.00
305 310	4.38	1.77	.72	.29	.12	.05	.02	.01	.00	.00
310 315	0	0	0	0	0	0	0	0	0	0
315 320	4.43	1.63	.60	.22	.08	.03	.01	.00	.00	.00
320 325	3.28	1.09	.36	.12	.04	.01	.00	.00	.00	.00
325 330	4.10	1.24	.38	.11	.03	.01	.00	.00	.00	.00
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	413.38	208.24	112.43	64.46	38.87	24.43	15.89	10.65	7.32	3.16
PHASE (IN HOURS)	.65	.65	.64	.62	.60	.57	.55	.54	.52	.50
SECOND HARMONIC										
AMPLITUDE	304.40	165.58	95.08	57.13	35.64	22.95	15.19	10.30	7.14	3.12
PHASE (IN HOURS)	.67	.65	.63	.61	.58	.56	.54	.53	.52	.50

INVERCARGILL,NEW ZEALAND

GEOGRAPHIC LATITUDE = -46.50 GEOGRAPHIC LONGITUDE = 168.37

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	17.00	5.36	1.69	.54	.17	.05	.02	.01	.00	.00
135 140	14.52	5.57	2.14	.82	.32	.12	.05	.02	.01	.00
140 145	1.70	.72	.30	.13	.05	.02	.01	.00	.00	.00
145 150	2.99	1.14	.45	.18	.07	.03	.01	.01	.00	.00
150 155	18.56	6.11	2.05	.70	.25	.09	.03	.01	.00	.00
155 160	9.69	3.78	1.49	.59	.24	.10	.04	.02	.01	.00
160 165	7.67	2.98	1.17	.46	.18	.07	.03	.01	.00	.00
165 170	8.99	3.17	1.15	.43	.17	.07	.03	.01	.00	.00
170 175	24.89	8.10	2.68	.90	.31	.11	.04	.02	.01	.00
175 180	76.40	27.06	9.72	3.54	1.31	.49	.19	.07	.03	.00
180 185	32.27	13.83	5.95	2.57	1.11	.48	.21	.09	.04	.01
185 190	14.66	6.74	3.11	1.44	.67	.31	.15	.07	.03	.00
190 195	22.91	10.68	5.04	2.40	1.16	.56	.28	.14	.07	.01
195 200	23.08	8.80	3.55	1.52	.69	.32	.16	.08	.04	.01
200 205	19.89	9.18	4.37	2.13	1.06	.54	.28	.15	.08	.02
205 210	27.21	13.22	6.54	3.29	1.68	.87	.46	.24	.13	.03
210 215	27.13	14.90	8.32	4.72	2.71	1.58	.93	.55	.33	.09
215 220	122.41	67.08	37.98	21.96	12.88	7.63	4.55	2.73	1.64	.47
220 225	66.88	33.59	17.48	9.41	5.22	2.97	1.73	1.03	.62	.19
225 230	29.92	18.42	11.48	7.24	4.61	2.96	1.91	1.25	.82	.29
230 235	8.39	5.37	3.49	2.30	1.53	1.02	.69	.46	.31	.12
235 240	29.98	18.28	11.47	7.38	4.85	3.24	2.20	1.50	1.04	.42
240 245	11.46	8.11	5.74	4.06	2.88	2.04	1.45	1.03	.73	.31
245 250	5.38	3.98	2.95	2.18	1.61	1.20	.88	.65	.48	.23
250 255	2.70	2.00	1.48	1.10	.81	.60	.44	.33	.24	.11
255 260	1.35	1.00	.74	.55	.40	.30	.22	.16	.12	.06
260 265	.87	.68	.53	.41	.32	.25	.19	.15	.12	.06
265 270	3.52	2.74	2.13	1.66	1.29	1.00	.78	.61	.47	.25
270 275	1.75	1.36	1.06	.83	.64	.50	.39	.30	.24	.13
275 280	1.76	1.37	1.07	.83	.65	.50	.39	.31	.24	.13
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	1.20	1.00	.84	.70	.58	.48	.40	.33	.28	.18
310 315	.80	.67	.55	.46	.38	.32	.27	.22	.18	.12
315 320	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
320 325	.40	.33	.27	.23	.19	.16	.13	.11	.09	.06
325 330	.39	.32	.27	.22	.19	.16	.13	.11	.09	.06
330 335	.38	.32	.27	.22	.18	.15	.13	.11	.09	.06
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	557.43	269.70	140.63	78.16	45.73	27.87	17.55	11.36	7.52	2.92
PHASE (IN HOURS)	2.22	2.64	3.04	3.40	3.72	4.01	4.27	4.52	4.77	5.37
SECOND HARMONIC										
AMPLITUDE	375.57	189.00	102.79	58.95	35.04	21.35	13.27	8.37	5.36	1.85
PHASE (IN HOURS)	2.33	2.74	3.10	3.39	3.63	3.84	4.03	4.22	4.40	4.90

IRKUTSK, U.S.S.R.

GEOGRAPHIC LATITUDE = 52.27 GEOGRAPHIC LONGITUDE = 104.30

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	.73	.57	.44	.35	.27	.21	.16	.13	.10	.05
55 60	0	0	0	0	0	0	0	0	0	0
60 65	15.34	4.83	1.53	.48	.15	.05	.02	.00	.00	.00
65 70	7.26	2.67	.98	.36	.13	.05	.02	.01	.00	.00
70 75	5.55	2.24	.91	.37	.15	.06	.02	.01	.00	.00
75 80	1.48	.63	.26	.11	.05	.02	.01	.00	.00	.00
80 85	9.55	3.11	1.04	.35	.13	.05	.02	.01	.00	.00
85 90	6.54	2.49	1.08	.55	.33	.23	.17	.13	.10	.05
90 95	8.57	3.29	1.27	.50	.20	.08	.03	.01	.01	.00
95 100	4.19	1.69	.68	.27	.11	.04	.02	.01	.00	.00
100 105	5.04	2.20	.97	.43	.19	.08	.04	.02	.01	.00
105 110	58.60	19.15	6.31	2.10	.71	.24	.08	.03	.01	.00
110 115	35.12	13.49	5.25	2.06	.82	.33	.13	.05	.02	.00
115 120	32.31	12.76	5.11	2.07	.85	.35	.15	.06	.03	.00
120 125	18.32	8.39	3.86	1.79	.83	.39	.18	.09	.04	.01
125 130	17.60	7.92	3.63	1.70	.81	.39	.19	.09	.05	.01
130 135	22.40	9.38	4.18	1.98	1.01	.55	.32	.20	.13	.06
135 140	33.61	14.55	6.56	3.08	1.49	.74	.38	.20	.10	.02
140 145	25.60	12.29	6.01	2.99	1.51	.78	.41	.21	.11	.02
145 150	29.20	14.44	7.25	3.70	1.91	1.00	.53	.28	.15	.03
150 155	60.54	27.18	12.91	6.43	3.31	1.75	.94	.51	.28	.07
155 160	76.72	39.68	20.97	11.30	6.19	3.45	1.94	1.11	.64	.17
160 165	54.35	31.98	18.88	11.18	6.64	3.96	2.36	1.42	.85	.24
165 170	35.06	20.43	12.12	7.29	4.43	2.71	1.67	1.04	.65	.20
170 175	23.58	13.69	8.17	4.99	3.09	1.95	1.23	.79	.51	.17
175 180	11.89	6.15	3.30	1.85	1.08	.65	.40	.26	.17	.06
180 185	12.92	8.64	5.78	3.87	2.59	1.73	1.16	.78	.52	.19
185 190	1.85	1.23	.83	.55	.37	.25	.16	.11	.07	.03
190 195	3.62	2.49	1.71	1.18	.81	.56	.38	.26	.18	.07
195 200	5.42	3.70	2.52	1.72	1.17	.80	.54	.37	.25	.10
200 205	1.63	1.16	.83	.59	.42	.30	.21	.15	.11	.05
205 210	3.55	2.44	1.68	1.16	.79	.55	.38	.26	.18	.07
210 215	3.33	2.37	1.69	1.20	.85	.61	.43	.31	.22	.09
215 220	1.68	1.19	.85	.60	.43	.31	.22	.15	.11	.05
220 225	1.67	1.19	.85	.60	.43	.30	.22	.15	.11	.05
225 230	1.81	1.25	.86	.59	.41	.28	.19	.13	.09	.04
230 235	1.69	1.20	.85	.61	.43	.31	.22	.16	.11	.05
235 240	1.72	1.22	.87	.62	.44	.31	.22	.16	.11	.05
240 245	1.72	1.22	.87	.62	.44	.31	.22	.16	.11	.05
245 250	0	0	0	0	0	0	0	0	0	0
250 255	1.43	1.06	.78	.58	.43	.32	.24	.17	.13	.06
255 260	3.17	2.29	1.66	1.21	.87	.63	.46	.33	.24	.11
260 265	0	0	0	0	0	0	0	0	0	0
265 270	2.86	2.12	1.57	1.16	.86	.63	.47	.35	.26	.12
270 275	0	0	0	0	0	0	0	0	0	0
275 280	2.85	2.11	1.56	1.16	.86	.63	.47	.35	.26	.12
280 285	0	0	0	0	0	0	0	0	0	0
285 290	1.42	1.05	.78	.58	.43	.32	.23	.17	.13	.06
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	1.43	1.06	.78	.58	.43	.32	.24	.17	.13	.06
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	1.42	1.05	.78	.57	.43	.31	.23	.17	.13	.06
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	537.53	254.00	128.20	68.46	38.28	22.20	13.25	8.09	5.04	1.65
PHASE (IN HOURS)	2.49	2.94	3.38	3.80	4.18	4.53	4.86	5.16	5.45	6.12
SECOND HARMONIC										
AMPLITUDE	347.60	168.67	87.18	47.08	26.17	14.83	8.50	4.91	2.85	.73
PHASE (IN HOURS)	2.49	2.87	3.19	3.47	3.71	3.91	4.09	4.26	4.43	4.87

KAMPALA,UGANDA

GEOGRAPHIC LATITUDE = 0.33 GEOGRAPHIC LONGITUDE = 32.56

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	10.45	3.08	.91	.27	.08	.02	.01	.00	.00	.00
5 10	30.16	9.72	3.14	1.01	.33	.11	.03	.01	.00	.00
10 15	20.94	7.69	2.82	1.04	.38	.14	.05	.02	.01	.00
15 20	13.36	5.37	2.16	.87	.35	.14	.06	.02	.01	.00
20 25	50.28	16.82	5.71	1.98	.70	.25	.09	.03	.01	.00
25 30	35.78	12.88	4.71	1.75	.66	.25	.10	.04	.01	.00
30 35	68.12	23.45	8.24	2.96	1.09	.41	.16	.06	.02	.00
35 40	103.01	35.65	12.59	4.54	1.68	.64	.25	.10	.04	.00
40 45	85.44	29.79	10.49	3.73	1.34	.49	.18	.07	.03	.00
45 50	109.20	42.39	16.72	6.71	2.73	1.13	.47	.20	.09	.01
50 55	99.11	36.51	13.72	5.25	2.05	.81	.33	.13	.06	.01
55 60	46.78	18.74	7.55	3.06	1.25	.51	.21	.09	.04	.00
60 65	50.91	22.47	9.97	4.44	1.99	.90	.41	.18	.08	.01
65 70	71.21	28.67	11.99	5.19	2.31	1.06	.49	.23	.11	.02
70 75	42.77	17.21	7.09	2.98	1.27	.55	.24	.11	.05	.01
75 80	41.01	16.76	6.93	2.90	1.22	.52	.22	.10	.04	.01
80 85	56.29	26.00	12.08	5.65	2.65	1.25	.59	.28	.13	.02
85 90	33.72	16.40	8.02	3.94	1.95	.97	.48	.24	.12	.02
90 95	18.92	9.13	4.48	2.24	1.13	.58	.30	.16	.09	.02
95 100	10.03	4.93	2.42	1.19	.58	.29	.14	.07	.03	.01
100 105	16.57	7.86	3.73	1.78	.85	.40	.19	.09	.04	.01
105 110	27.29	14.56	7.77	4.16	2.22	1.19	.64	.34	.18	.04
110 115	37.77	19.62	10.23	5.34	2.80	1.47	.78	.41	.22	.04
115 120	0	0	0	0	0	0	0	0	0	0
120 125	11.24	5.91	3.10	1.63	.86	.45	.24	.12	.07	.01
125 130	9.93	4.88	2.40	1.18	.58	.28	.14	.07	.03	.01
130 135	9.39	5.39	3.09	1.77	1.02	.58	.34	.19	.11	.03
135 140	11.10	5.83	3.06	1.61	.85	.44	.23	.12	.06	.01
140 145	8.09	4.49	2.49	1.38	.77	.43	.24	.13	.07	.02
145 150	16.21	8.99	4.99	2.77	1.54	.85	.47	.26	.15	.03
150 155	0	0	0	0	0	0	0	0	0	0
155 160	7.98	4.43	2.46	1.36	.76	.42	.23	.13	.07	.02
160 165	0	0	0	0	0	0	0	0	0	0
165 170	9.54	5.47	3.14	1.80	1.03	.59	.34	.20	.11	.03
170 175	10.69	6.07	3.44	1.95	1.11	.63	.36	.20	.11	.03
175 180	7.86	4.36	2.42	1.34	.75	.41	.23	.13	.07	.02
180 185	11.30	5.93	3.12	1.64	.86	.45	.24	.12	.07	.01
185 190	0	0	0	0	0	0	0	0	0	0
190 195	5.33	3.02	1.72	.97	.55	.31	.18	.10	.06	.01
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	8.19	4.54	2.52	1.40	.78	.43	.24	.13	.07	.02
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	4.19	2.44	1.42	.83	.48	.28	.16	.09	.06	.01
265 270	0	0	0	0	0	0	0	0	0	0
270 275	5.07	2.88	1.63	.93	.53	.30	.17	.10	.05	.01
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	4.21	2.45	1.42	.83	.48	.28	.16	.09	.06	.01
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	4.20	2.44	1.42	.83	.48	.28	.16	.09	.06	.01
FIRST HARMONIC										
AMPLITUDE	948.67	371.62	151.69	64.67	28.78	13.33	6.40	3.16	1.59	.31
PHASE (IN HOURS)	1.87	2.26	2.70	3.18	3.66	4.13	4.58	4.98	5.34	6.07
SECOND HARMONIC										
AMPLITUDE	627.96	223.42	80.61	29.59	11.16	4.44	1.94	.95	.51	.13
PHASE (IN HOURS)	1.28	1.51	1.80	2.16	2.62	3.20	3.88	4.55	5.14	6.09

KERGUELEN ISLANDS, INDIAN OCEAN

GEOGRAPHIC LATITUDE = -49.35 GEOGRAPHIC LONGITUDE = 70.22

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	7.93	2.40	.73	.22	.07	.02	.01	.00	.00	.00
25 30	12.61	4.42	1.55	.55	.19	.07	.02	.01	.00	.00
30 35	4.15	1.67	.67	.27	.11	.04	.02	.01	.00	.00
35 40	2.90	1.21	.50	.21	.09	.04	.02	.01	.00	.00
40 45	1.75	.76	.33	.14	.06	.03	.01	.01	.00	.00
45 50	9.52	3.18	1.09	.39	.14	.06	.02	.01	.00	.00
50 55	14.83	5.48	2.06	.78	.31	.12	.05	.02	.01	.00
55 60	4.40	1.77	.71	.29	.12	.05	.02	.01	.00	.00
60 65	68.95	27.68	11.46	4.88	2.14	.96	.44	.20	.10	.02
65 70	39.12	15.36	6.40	2.83	1.33	.66	.34	.18	.10	.02
70 75	44.17	18.21	7.79	3.45	1.58	.75	.36	.18	.09	.02
75 80	44.63	22.71	11.91	6.40	3.51	1.95	1.10	.63	.36	.09
80 85	87.33	51.40	30.85	18.77	11.53	7.14	4.44	2.78	1.74	.55
85 90	73.57	40.99	23.55	13.84	8.28	5.03	3.09	1.92	1.20	.39
90 95	68.72	33.19	17.42	9.81	5.83	3.61	2.30	1.50	.99	.37
95 100	73.17	40.91	24.14	14.95	9.64	6.42	4.38	3.04	2.14	.92
100 105	21.96	10.84	5.45	2.81	1.49	.83	.48	.29	.19	.07
105 110	50.80	20.58	9.04	4.40	2.39	1.45	.96	.67	.49	.24
110 115	2.99	1.65	1.08	.78	.59	.46	.35	.27	.21	.11
115 120	13.22	5.98	2.92	1.56	.90	.57	.39	.28	.21	.11
120 125	14.62	6.09	2.61	1.18	.57	.31	.19	.13	.09	.05
125 130	1.39	1.16	.97	.80	.67	.56	.46	.39	.32	.20
130 135	.35	.29	.24	.20	.17	.14	.12	.10	.08	.05
135 140	.34	.28	.23	.19	.16	.13	.11	.09	.08	.05
140 145	.34	.28	.24	.20	.16	.14	.11	.09	.08	.05
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02
190 195	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02
195 200	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02
200 205	.10	.09	.09	.08	.07	.07	.06	.06	.05	.04
205 210	.10	.09	.09	.08	.07	.07	.06	.06	.05	.04
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	.10	.09	.08	.08	.07	.06	.06	.06	.05	.04
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	623.82	302.06	156.68	86.39	50.16	30.39	19.06	12.31	8.14	3.16
PHASE (IN HOURS)	.84	.95	1.06	1.16	1.26	1.36	1.47	1.59	1.71	2.08
SECOND HARMONIC										
AMPLITUDE	521.84	260.12	138.22	77.55	45.50	27.69	17.35	11.15	7.31	2.73
PHASE (IN HOURS)	.89	.98	1.07	1.15	1.23	1.31	1.38	1.46	1.54	1.75

KIEL,GERMANY

GEOGRAPHIC LATITUDE = 54.33 GEOGRAPHIC LONGITUDE = 10.13

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	7.40	2.79	1.07	.41	.16	.06	.03	.01	.00	.00
5 10	5.56	2.12	.82	.33	.13	.05	.02	.01	.00	.00
10 15	11.16	4.41	1.88	.87	.45	.26	.17	.12	.09	.05
15 20	18.40	5.75	1.80	.56	.18	.06	.02	.01	.00	.00
20 25	57.35	20.04	7.07	2.52	.91	.33	.12	.05	.02	.00
25 30	33.04	13.73	5.72	2.38	.99	.42	.17	.07	.03	.00
30 35	22.34	10.47	4.97	2.40	1.19	.62	.34	.20	.13	.06
35 40	20.79	10.01	4.87	2.39	1.18	.59	.29	.15	.07	.01
40 45	26.96	11.52	5.23	2.50	1.24	.64	.33	.18	.09	.02
45 50	21.79	10.37	5.07	2.54	1.30	.68	.36	.19	.10	.02
50 55	22.41	11.28	5.82	3.07	1.65	.90	.50	.28	.16	.04
55 60	59.84	34.18	19.77	11.55	6.81	4.05	2.43	1.46	.89	.26
60 65	77.94	46.45	27.89	16.86	10.26	6.28	3.86	2.39	1.48	.46
65 70	59.27	29.23	15.44	8.59	4.97	2.96	1.79	1.10	.69	.22
70 75	36.72	18.72	9.91	5.46	3.12	1.84	1.12	.70	.44	.15
75 80	17.09	10.55	6.69	4.33	2.85	1.90	1.28	.87	.59	.23
80 85	10.20	5.99	3.65	2.30	1.48	.98	.65	.44	.30	.12
85 90	8.31	5.06	3.21	2.11	1.41	.97	.67	.47	.33	.14
90 95	7.74	5.54	3.97	2.85	2.04	1.47	1.05	.76	.55	.24
95 100	4.35	3.25	2.43	1.82	1.36	1.02	.77	.58	.44	.22
100 105	4.62	3.40	2.51	1.85	1.37	1.02	.76	.56	.42	.21
105 110	3.59	2.69	2.02	1.52	1.14	.85	.64	.48	.36	.18
110 115	0	0	0	0	0	0	0	0	0	0
115 120	.89	.69	.54	.42	.33	.25	.20	.15	.12	.06
120 125	1.78	1.39	1.08	.84	.65	.51	.40	.31	.24	.13
125 130	.89	.70	.54	.42	.33	.26	.20	.15	.12	.06
130 135	2.11	1.66	1.30	1.03	.81	.64	.50	.40	.32	.18
135 140	.89	.70	.54	.42	.33	.26	.20	.15	.12	.06
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	.90	.70	.54	.42	.33	.26	.20	.16	.12	.06
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	.31	.26	.22	.18	.15	.12	.10	.09	.07	.05
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	.32	.27	.22	.18	.15	.13	.11	.09	.07	.05
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	.32	.27	.22	.19	.15	.13	.11	.09	.07	.05
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	1.50	.45	.14	.04	.01	.00	.00	.00	.00	.00
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	17.04	5.38	1.70	.54	.17	.05	.02	.01	.00	.00
335 340	12.54	4.77	1.82	.69	.27	.10	.04	.02	.01	.00
340 345	3.19	1.33	.55	.23	.10	.04	.02	.01	.00	.00
345 350	3.87	1.71	.75	.33	.15	.07	.03	.01	.01	.00
350 355	13.83	4.36	1.38	.44	.14	.04	.01	.00	.00	.00
355 360	9.06	3.55	1.41	.57	.23	.10	.04	.02	.01	.00
FIRST HARMONIC										
AMPLITUDE	522.45	256.54	135.25	75.67	44.41	27.06	17.00	10.94	7.20	2.72
PHASE (IN HOURS)	2.39	2.79	3.17	3.50	3.79	4.04	4.28	4.49	4.69	5.15
SECOND HARMONIC										
AMPLITUDE	345.88	178.65	98.55	56.91	33.95	20.77	12.98	8.27	5.36	1.95
PHASE (IN HOURS)	2.56	2.93	3.25	3.51	3.74	3.94	4.13	4.30	4.48	4.89

KIRUNA,SWEDEN

GEOGRAPHIC LATITUDE = 67.83 GEOGRAPHIC LONGITUDE = 20.43

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	4.03	1.63	.66	.27	.11	.04	.02	.01	.00	.00
5 10	2.33	1.00	.43	.18	.08	.03	.01	.01	.00	.00
10 15	1.36	.61	.27	.12	.05	.02	.01	.00	.00	.00
15 20	1.21	.45	.16	.06	.02	.01	.00	.00	.00	.00
20 25	3.57	1.32	.52	.21	.09	.04	.02	.01	.00	.00
25 30	5.77	1.86	.60	.19	.06	.02	.01	.00	.00	.00
30 35	24.97	9.74	4.01	1.74	.79	.37	.18	.09	.05	.01
35 40	70.98	28.22	11.54	4.85	2.10	.94	.43	.20	.10	.02
40 45	12.10	5.79	2.80	1.37	.68	.34	.17	.09	.05	.01
45 50	17.24	9.21	4.96	2.69	1.47	.81	.45	.25	.14	.03
50 55	26.08	15.60	9.41	5.72	3.49	2.15	1.32	.82	.51	.15
55 60	51.61	31.79	19.72	12.31	7.73	4.88	3.09	1.97	1.26	.42
60 65	49.71	31.27	19.90	12.82	8.35	5.49	3.65	2.45	1.66	.65
65 70	45.10	26.40	16.48	10.75	7.23	4.96	3.46	2.44	1.74	.77
70 75	36.28	19.55	11.31	7.00	4.60	3.16	2.25	1.64	1.22	.62
75 80	10.92	6.25	3.79	2.45	1.68	1.22	.93	.73	.58	.35
80 85	9.48	4.72	2.37	1.19	.60	.31	.16	.08	.04	.01
85 90	6.62	2.91	1.30	.59	.28	.14	.08	.05	.04	.02
90 95	6.45	2.82	1.34	.72	.46	.34	.28	.24	.22	.18
95 100	21.10	7.74	2.96	1.19	.50	.22	.10	.05	.02	.00
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	2.32	1.14	.56	.28	.14	.07	.03	.02	.01	.00
115 120	0	0	0	0	0	0	0	0	0	0
120 125	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
125 130	1.41	.68	.35	.19	.12	.08	.07	.06	.06	.06
130 135	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
135 140	.88	.39	.18	.08	.04	.02	.01	.00	.00	.00
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	.62	.27	.12	.05	.02	.01	.00	.00	.00	.00
155 160	0	0	0	0	0	0	0	0	0	0
160 165	.45	.19	.08	.03	.01	.01	.00	.00	.00	.00
165 170	.46	.20	.08	.03	.01	.01	.00	.00	.00	.00
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	1.06	.43	.17	.07	.03	.01	.00	.00	.00	.00
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	1.77	.65	.24	.09	.03	.01	.00	.00	.00	.00
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	1.78	.59	.20	.06	.02	.01	.00	.00	.00	.00
250 255	1.43	.44	.14	.04	.01	.00	.00	.00	.00	.00
255 260	1.23	.36	.11	.03	.01	.00	.00	.00	.00	.00
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	27.86	9.76	3.46	1.25	.45	.17	.06	.02	.01	.00
340 345	3.17	1.40	.62	.27	.12	.05	.02	.01	.00	.00
345 350	3.46	1.33	.53	.22	.10	.04	.02	.01	.00	.00
350 355	0	0	0	0	0	0	0	0	0	0
355 360	18.61	6.45	2.29	.83	.31	.12	.05	.02	.01	.00
FIRST HARMONIC										
AMPLITUDE	398.88	204.24	112.07	65.15	39.69	25.12	16.41	11.01	7.57	3.24
PHASE (IN HOURS)	2.01	2.23	2.42	2.56	2.68	2.77	2.86	2.94	3.02	3.24
SECOND HARMONIC										
AMPLITUDE	286.41	159.00	93.06	56.72	35.70	23.09	15.28	10.33	7.11	3.01
PHASE (IN HOURS)	2.23	2.41	2.55	2.65	2.73	2.81	2.87	2.94	3.01	3.20

LAE,NEW GUINEA

GEOGRAPHIC LATITUDE = -6.73 GEOGRAPHIC LONGITUDE = 147.00

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	10.72	3.16	.93	.27	.08	.02	.01	.00	.00	.00
120 125	30.91	9.96	3.21	1.04	.34	.11	.04	.01	.00	.00
125 130	21.42	7.86	2.89	1.06	.39	.14	.05	.02	.01	.00
130 135	0	0	0	0	0	0	0	0	0	0
135 140	59.67	20.43	7.11	2.51	.90	.33	.12	.05	.02	.00
140 145	32.49	12.61	4.92	1.93	.76	.30	.12	.05	.02	.00
145 150	18.22	5.37	1.58	.47	.14	.04	.01	.00	.00	.00
150 155	142.43	47.51	16.09	5.54	1.95	.70	.26	.10	.04	.00
155 160	115.99	41.47	15.08	5.58	2.10	.81	.32	.13	.05	.01
160 165	57.74	21.20	7.78	2.86	1.05	.38	.14	.05	.02	.00
165 170	79.35	29.98	11.52	4.50	1.78	.71	.29	.12	.05	.01
170 175	83.29	34.06	14.14	5.95	2.54	1.10	.48	.21	.09	.01
175 180	47.38	18.99	7.66	3.11	1.27	.52	.21	.09	.04	.00
180 185	60.69	22.97	8.93	3.55	1.44	.59	.25	.11	.04	.01
185 190	72.01	30.59	13.23	5.81	2.59	1.16	.53	.24	.11	.02
190 195	60.41	26.45	11.79	5.34	2.46	1.15	.54	.26	.13	.02
195 200	6.87	3.08	1.38	.62	.28	.12	.06	.03	.01	.00
200 205	46.28	20.97	9.58	4.41	2.04	.95	.45	.21	.10	.02
205 210	45.04	21.96	10.75	5.28	2.60	1.29	.64	.32	.16	.03
210 215	6.01	2.61	1.13	.49	.21	.09	.04	.02	.01	.00
215 220	16.85	7.98	3.79	1.80	.86	.41	.20	.09	.05	.01
220 225	18.74	9.74	5.08	2.66	1.40	.74	.39	.21	.11	.02
225 230	31.25	15.94	8.15	4.18	2.14	1.10	.57	.29	.15	.03
230 235	11.36	5.97	3.14	1.65	.87	.45	.24	.13	.07	.01
235 240	17.96	9.70	5.25	2.84	1.54	.84	.46	.25	.14	.03
240 245	8.35	4.63	2.57	1.43	.79	.44	.24	.14	.08	.02
245 250	21.90	11.15	5.68	2.90	1.48	.76	.39	.20	.10	.02
250 255	0	0	0	0	0	0	0	0	0	0
255 260	11.53	6.06	3.18	1.67	.88	.46	.24	.13	.07	.01
260 265	6.39	3.63	2.06	1.17	.66	.38	.21	.12	.07	.02
265 270	13.43	7.59	4.29	2.43	1.37	.78	.44	.25	.14	.03
270 275	16.69	9.26	5.14	2.85	1.58	.88	.49	.27	.15	.03
275 280	0	0	0	0	0	0	0	0	0	0
280 285	8.34	4.63	2.57	1.43	.79	.44	.24	.14	.08	.02
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	17.81	9.62	5.20	2.82	1.53	.83	.45	.25	.13	.03
305 310	17.39	9.94	5.68	3.25	1.86	1.06	.61	.35	.20	.05
310 315	8.37	4.65	2.58	1.43	.79	.44	.24	.14	.08	.02
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	14.21	7.96	4.46	2.50	1.40	.79	.44	.25	.14	.03
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	939.51	366.80	149.67	64.09	28.81	13.55	6.62	3.34	1.72	.35
PHASE (IN HOURS)	2.13	2.59	3.12	3.68	4.26	4.81	5.32	5.77	6.17	6.94
SECOND HARMONIC										
AMPLITUDE	629.52	224.35	80.98	29.51	10.83	3.99	1.49	.60	.27	.07
PHASE (IN HOURS)	1.39	1.60	1.84	2.13	2.47	2.91	3.49	4.26	5.17	6.89

ILLEGAL I/O ON UNIT 50

LEEDS, ENGLAND

GEOGRAPHIC LATITUDE = 53.82 GEOGRAPHIC LONGITUDE = -1.55

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	8.99	3.01	1.04	.37	.14	.05	.02	.01	.00	.00
5 10	31.67	10.59	3.56	1.20	.41	.14	.05	.02	.01	.00
10 15	56.69	20.69	7.65	2.87	1.09	.42	.16	.06	.03	.00
15 20	22.47	9.65	4.16	1.80	.78	.34	.15	.06	.03	.00
20 25	25.62	12.13	5.78	2.77	1.34	.65	.32	.16	.08	.01
25 30	17.28	8.05	3.88	1.92	.97	.50	.26	.13	.07	.01
30 35	20.18	8.56	3.82	1.79	.87	.43	.22	.11	.06	.01
35 40	24.19	11.82	5.95	3.07	1.62	.87	.47	.26	.14	.03
40 45	31.88	16.31	8.53	4.55	2.47	1.36	.76	.43	.24	.06
45 50	63.21	37.33	22.26	13.37	8.09	4.92	3.01	1.85	1.14	.34
50 55	68.91	39.71	23.37	13.95	8.42	5.13	3.14	1.94	1.20	.37
55 60	81.09	39.81	20.58	11.13	6.26	3.63	2.16	1.32	.81	.26
60 65	15.43	9.83	6.37	4.19	2.78	1.86	1.25	.85	.58	.22
65 70	12.51	7.68	4.81	3.07	1.99	1.31	.87	.58	.39	.15
70 75	13.20	7.37	4.31	2.63	1.66	1.09	.73	.50	.34	.14
75 80	7.76	5.55	3.98	2.85	2.05	1.47	1.06	.76	.55	.24
80 85	5.66	4.14	3.03	2.22	1.63	1.19	.87	.64	.47	.22
85 90	4.29	3.13	2.28	1.67	1.22	.89	.65	.47	.35	.16
90 95	3.58	2.69	2.01	1.51	1.13	.85	.64	.48	.36	.18
95 100	.89	.69	.54	.42	.33	.25	.20	.15	.12	.06
100 105	0	0	0	0	0	0	0	0	0	0
105 110	2.66	2.07	1.61	1.25	.98	.76	.59	.46	.36	.19
110 115	.89	.69	.54	.42	.33	.25	.20	.15	.12	.06
115 120	1.77	1.38	1.07	.83	.65	.51	.39	.31	.24	.13
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	.90	.70	.54	.42	.33	.26	.20	.15	.12	.06
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	.36	.30	.25	.21	.17	.14	.12	.10	.08	.05
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	.35	.29	.24	.20	.17	.14	.12	.10	.08	.05
170 175	0	0	0	0	0	0	0	0	0	0
175 180	.35	.29	.24	.20	.17	.14	.12	.10	.08	.05
180 185	0	0	0	0	0	0	0	0	0	0
185 190	.35	.29	.24	.20	.17	.14	.12	.10	.08	.05
190 195	0	0	0	0	0	0	0	0	0	0
195 200	.35	.29	.24	.20	.17	.14	.12	.10	.08	.05
200 205	0	0	0	0	0	0	0	0	0	0
205 210	.35	.29	.24	.20	.17	.14	.12	.10	.08	.05
210 215	0	0	0	0	0	0	0	0	0	0
215 220	.35	.29	.24	.20	.17	.14	.12	.10	.08	.05
220 225	.36	.30	.25	.21	.17	.14	.12	.10	.08	.05
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	.74	.22	.06	.02	.01	.00	.00	.00	.00	.00
310 315	.79	.25	.08	.02	.01	.00	.00	.00	.00	.00
315 320	0	0	0	0	0	0	0	0	0	0
320 325	24.96	8.28	2.77	.93	.32	.11	.04	.01	.00	.00
325 330	6.14	2.48	1.00	.41	.16	.07	.03	.01	.00	.00
330 335	3.49	1.49	.64	.27	.12	.05	.02	.01	.00	.00
335 340	9.99	3.31	1.13	.40	.15	.06	.02	.01	.00	.00
340 345	14.89	5.48	2.04	.77	.30	.12	.05	.02	.01	.00
345 350	4.15	1.67	.67	.27	.11	.04	.02	.01	.00	.00
350 355	7.07	2.47	.89	.33	.12	.05	.02	.01	.00	.00
355 360	7.38	3.04	1.29	.56	.25	.11	.05	.02	.01	.00
FIRST HARMONIC										
AMPLITUDE	518.53	254.17	133.72	74.61	43.62	26.45	16.51	10.55	6.88	2.54
PHASE (IN HOURS)	2.40	2.80	3.18	3.52	3.82	4.09	4.34	4.59	4.83	5.45
SECOND HARMONIC										
AMPLITUDE	344.65	179.43	99.77	58.01	34.80	21.37	13.38	8.52	5.50	1.94
PHASE (IN HOURS)	2.58	2.95	3.26	3.51	3.72	3.89	4.05	4.19	4.33	4.63

LERWICK,SCOTLAND

GEOGRAPHIC LATITUDE = 60.15 GEOGRAPHIC LONGITUDE = -1.15

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	5.85	1.77	.54	.16	.05	.02	.00	.00	.00	.00
5 10	17.23	5.82	2.01	.72	.26	.10	.04	.02	.01	.00
10 15	54.87	19.27	6.83	2.44	.88	.32	.12	.04	.02	.00
15 20	41.41	18.66	8.48	3.88	1.79	.84	.39	.19	.09	.01
20 25	11.55	5.70	2.84	1.43	.73	.37	.19	.10	.05	.01
25 30	16.02	8.12	4.16	2.15	1.12	.59	.31	.17	.09	.02
30 35	13.54	7.25	3.91	2.13	1.17	.64	.36	.20	.11	.03
35 40	35.66	18.44	10.20	5.90	3.52	2.13	1.31	.81	.50	.15
40 45	93.67	54.36	32.12	19.24	11.64	7.10	4.36	2.69	1.67	.51
45 50	45.27	25.79	15.08	9.03	5.51	3.43	2.17	1.39	.90	.31
50 55	36.15	22.06	13.76	8.75	5.67	3.73	2.49	1.68	1.15	.46
55 60	37.57	24.15	15.91	10.71	7.34	5.09	3.58	2.53	1.81	.79
60 65	42.99	17.95	8.07	3.97	2.15	1.29	.84	.58	.41	.20
65 70	2.66	2.07	1.61	1.26	.98	.76	.59	.46	.36	.19
70 75	6.52	4.00	2.55	1.70	1.17	.84	.62	.47	.36	.19
75 80	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
80 85	4.83	3.05	2.06	1.48	1.12	.87	.70	.57	.47	.29
85 90	2.07	1.11	.64	.40	.27	.20	.15	.12	.10	.06
90 95	1.43	.79	.48	.32	.23	.18	.14	.11	.09	.06
95 100	.69	.30	.13	.06	.02	.01	.00	.00	.00	.00
100 105	.45	.19	.08	.03	.01	.01	.00	.00	.00	.00
105 110	.29	.12	.05	.02	.01	.00	.00	.00	.00	.00
110 115	.65	.26	.11	.04	.02	.01	.00	.00	.00	.00
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02
130 135	.10	.10	.09	.08	.07	.07	.06	.06	.05	.04
135 140	.10	.10	.09	.08	.07	.07	.06	.06	.05	.04
140 145	.10	.10	.09	.08	.07	.07	.06	.06	.05	.04
145 150	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02
150 155	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	.41	.15	.05	.02	.01	.00	.00	.00	.00	.00
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	.88	.29	.10	.03	.01	.00	.00	.00	.00	.00
260 265	1.65	.50	.15	.05	.01	.00	.00	.00	.00	.00
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	29.89	10.47	3.72	1.34	.49	.18	.07	.03	.01	.00
325 330	3.42	1.51	.67	.29	.13	.06	.03	.01	.00	.00
330 335	0	0	0	0	0	0	0	0	0	0
335 340	14.24	4.77	1.64	.58	.21	.08	.03	.01	.01	.00
340 345	7.37	2.61	.93	.33	.12	.04	.02	.01	.00	.00
345 350	6.41	2.44	.94	.36	.14	.06	.02	.01	.00	.00
350 355	6.99	2.92	1.24	.54	.24	.11	.05	.02	.01	.00
355 360	1.65	.74	.33	.15	.07	.03	.01	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	477.24	240.25	129.86	74.46	44.77	27.96	18.01	11.91	8.05	3.28
PHASE (IN HOURS)	2.19	2.50	2.76	2.99	3.17	3.34	3.48	3.62	3.76	4.13
SECOND HARMONIC										
AMPLITUDE	338.89	183.37	105.20	62.96	38.90	24.66	15.97	10.54	7.07	2.77
PHASE (IN HOURS)	2.43	2.70	2.91	3.08	3.22	3.34	3.45	3.55	3.66	3.93

LINDAU,GERMANY

GEOGRAPHIC LATITUDE = 51.60 GEOGRAPHIC LONGITUDE = 10.10

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	6.90	2.93	1.25	.54	.23	.10	.04	.02	.01	.00
5 10	7.82	2.73	.98	.36	.13	.05	.02	.01	.00	.00
10 15	15.88	5.72	2.15	.84	.35	.15	.06	.03	.01	.00
15 20	17.69	5.84	1.97	.68	.24	.09	.03	.01	.01	.00
20 25	60.46	21.15	7.48	2.67	.97	.35	.13	.05	.02	.00
25 30	31.99	13.24	5.49	2.28	.95	.40	.16	.07	.03	.00
30 35	25.54	11.52	5.23	2.39	1.10	.51	.24	.11	.05	.01
35 40	18.43	8.99	4.41	2.18	1.08	.54	.27	.14	.07	.01
40 45	25.82	10.44	4.46	2.00	.94	.45	.23	.11	.06	.01
45 50	24.86	11.73	5.67	2.79	1.40	.71	.37	.19	.10	.02
50 55	24.18	12.18	6.29	3.31	1.78	.97	.54	.30	.17	.04
55 60	27.92	14.40	7.51	3.95	2.10	1.13	.61	.33	.18	.04
60 65	63.56	34.49	19.40	11.17	6.53	3.86	2.30	1.38	.83	.24
65 70	84.55	44.85	24.81	14.17	8.29	4.93	2.97	1.80	1.10	.33
70 75	57.19	31.99	18.23	10.57	6.22	3.72	2.25	1.38	.85	.27
75 80	17.24	10.51	6.52	4.09	2.60	1.67	1.08	.71	.46	.16
80 85	11.01	5.95	3.31	1.89	1.11	.67	.42	.26	.17	.06
85 90	7.19	4.98	3.46	2.40	1.66	1.15	.80	.56	.39	.15
90 95	9.00	6.19	4.26	2.94	2.02	1.39	.96	.66	.46	.18
95 100	0	0	0	0	0	0	0	0	0	0
100 105	4.98	3.54	2.52	1.79	1.27	.91	.64	.46	.33	.14
105 110	3.45	2.41	1.69	1.18	.83	.58	.40	.28	.20	.08
110 115	2.99	2.17	1.57	1.14	.83	.60	.43	.32	.23	.10
115 120	3.04	2.20	1.59	1.16	.84	.61	.44	.32	.23	.10
120 125	2.75	2.04	1.51	1.12	.83	.61	.45	.33	.25	.12
125 130	4.44	3.24	2.36	1.72	1.26	.92	.67	.49	.36	.16
130 135	1.38	1.02	.76	.56	.41	.31	.23	.17	.12	.06
135 140	1 39	1.03	.76	.56	.42	.31	.23	.17	.13	.06
140 145	2.41	1.82	1.38	1.05	.79	.60	.46	.35	.26	.13
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	1.01	.79	.61	.48	.37	.29	.23	.18	.14	.07
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	1.01	.79	.61	.48	.37	.29	.22	.17	.14	.07
175 180	1.00	.78	.60	.47	.37	.29	.22	.17	.13	.07
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	.98	.77	.60	.46	.36	.28	.22	.17	.13	.07
195 200	.98	.76	.59	.46	.36	.28	.22	.17	.13	.07
200 205	0	0	0	0	0	0	0	0	0	0
205 210	.99	.77	.60	.46	.36	.28	.22	.17	.13	.07
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	1.00	.78	.61	.47	.37	.29	.22	.17	.13	.07
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	10.61	3.21	.97	.29	.09	.03	.01	.00	.00	.00
335 340	16.32	5.68	1.98	.70	.24	.09	.03	.01	.00	.00
340 345	8.25	3.37	1.38	.56	.23	.09	.04	.02	.01	.00
345 350	1.97	.85	.37	.16	.07	.03	.01	.01	.00	.00
350 355	17.96	5.96	2.02	.70	.25	.09	.03	.01	.01	.00
355 360	7.26	2.67	.98	.36	.13	.05	.02	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	528.90	254.23	131.11	71.77	41.21	24.57	15.10	9.52	6.12	2.20
PHASE (IN HOURS)	2.50	2.97	3.41	3.83	4.21	4.56	4.88	5.19	5.49	6.22
SECOND HARMONIC										
AMPLITUDE	336.29	167.92	89.91	50.43	29.15	17.21	10.31	6.26	3.83	1.17
PHASE (IN HOURS)	2.56	2.98	3.33	3.62	3.87	4.08	4.28	4.46	4.64	5.10

LOMNICKY STIT,CZECHOSLOVAKIA

GEOGRAPHIC LATITUDE = 49.20 GEOGRAPHIC LONGITUDE = 20.22

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	16.33	5.38	1.80	.61	.21	.08	.03	.01	.00	.00
5 10	9.59	3.71	1.44	.57	.22	.09	.04	.01	.01	.00
10 15	8.48	3.48	1.44	.61	.26	.11	.05	.02	.01	.00
15 20	8.09	2.82	1.01	.37	.14	.05	.02	.01	.00	.00
20 25	8.93	3.04	1.06	.38	.14	.05	.02	.01	.00	.00
25 30	32.13	11.08	3.94	1.45	.56	.22	.09	.04	.02	.00
30 35	54.80	20.23	7.86	3.31	1.55	.82	.49	.32	.22	.10
35 40	28.56	11.71	4.80	1.97	.81	.33	.14	.06	.02	.00
40 45	24.94	10.99	4.87	2.17	.97	.44	.20	.09	.04	.01
45 50	25.77	10.99	4.87	2.22	1.04	.49	.24	.11	.06	.01
50 55	20.50	9.18	4.23	2.00	.96	.47	.23	.12	.06	.01
55 60	22.36	10.55	5.11	2.54	1.28	.66	.34	.18	.09	.02
60 65	25.92	12.36	6.00	2.96	1.49	.76	.39	.20	.11	.02
65 70	27.03	13.88	7.21	3.78	2.00	1.07	.57	.31	.17	.04
70 75	41.26	19.19	9.49	4.92	2.64	1.44	.80	.45	.26	.06
75 80	48.57	23.83	12.09	6.32	3.39	1.86	1.04	.59	.34	.09
80 85	59.85	33.82	19.34	11.18	6.52	3.84	2.28	1.36	.82	.23
85 90	49.86	28.90	16.95	10.04	6.00	3.62	2.20	1.35	.83	.25
90 95	16.85	10.85	6.99	4.52	2.92	1.89	1.23	.80	.52	.18
95 100	10.05	6.62	4.37	2.88	1.90	1.25	.83	.55	.36	.13
100 105	6.00	4.02	2.70	1.81	1.22	.82	.55	.37	.25	.09
105 110	4.04	2.70	1.81	1.21	.81	.54	.36	.24	.16	.06
110 115	6.58	4.58	3.19	2.22	1.55	1.08	.75	.52	.36	.15
115 120	6.32	4.31	2.93	2.00	1.36	.93	.63	.43	.30	.11
120 125	6.56	4.57	3.18	2.21	1.54	1.07	.75	.52	.36	.15
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	2.28	1.62	1.15	.82	.58	.41	.29	.21	.15	.06
140 145	6.72	4.72	3.33	2.34	1.65	1.16	.82	.58	.41	.17
145 150	2.29	1.63	1.16	.82	.59	.42	.30	.21	.15	.06
150 155	2.29	1.63	1.16	.82	.58	.42	.30	.21	.15	.06
155 160	0	0	0	0	0	0	0	0	0	0
160 165	4.53	3.28	2.38	1.73	1.26	.91	.66	.48	.35	.16
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	4.36	3.22	2.39	1.77	1.31	.97	.72	.53	.39	.19
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	2.18	1.55	1.10	.78	.56	.40	.28	.20	.14	.06
205 210	0	0	0	0	0	0	0	0	0	0
210 215	2.16	1.60	1.19	.88	.65	.48	.36	.26	.19	.09
215 220	4.31	3.19	2.36	1.75	1.29	.96	.71	.52	.39	.18
220 225	2.16	1.60	1.18	.88	.65	.48	.36	.26	.19	.09
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	2.23	1.65	1.22	.90	.67	.50	.37	.27	.20	.09
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	24.36	8.10	2.71	.91	.31	.11	.04	.01	.00	.00
350 355	5.82	2.24	.87	.34	.13	.05	.02	.01	.00	.00
355 360	4.51	1.76	.70	.28	.11	.05	.02	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	505.03	238.74	121.20	65.41	37.08	21.84	13.26	8.24	5.22	1.78
PHASE (IN HOURS)	2.62	3.15	3.68	4.17	4.62	5.02	5.39	5.73	6.05	6.78
SECOND HARMONIC										
AMPLITUDE	305.10	147.30	76.84	42.19	23.90	13.80	8.06	4.74	2.80	.75
PHASE (IN HOURS)	2.54	3.01	3.42	3.75	4.03	4.26	4.46	4.64	4.81	5.24

LONDON, ENGLAND

GEOGRAPHIC LATITUDE = 51.53 GEOGRAPHIC LONGITUDE = -.09

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	15.60	5.60	2.10	.82	.34	.14	.06	.03	.01	.00
5 10	24.85	8.21	2.75	.94	.32	.12	.04	.02	.01	.00
10 15	52.53	18.51	6.59	2.38	.87	.32	.12	.05	.02	.00
15 20	35.61	14.79	6.15	2.56	1.07	.45	.19	.08	.03	.00
20 25	21.02	9.58	4.40	2.03	.94	.44	.21	.10	.05	.01
25 30	25.90	12.00	5.70	2.76	1.35	.67	.33	.17	.08	.02
30 35	17.55	7.05	3.00	1.34	.63	.31	.16	.08	.04	.01
35 40	24.38	11.50	5.55	2.74	1.37	.70	.36	.19	.10	.02
40 45	23.77	11.98	6.18	3.26	1.75	.95	.53	.29	.17	.04
45 50	28.01	14.54	7.63	4.05	2.17	1.17	.64	.35	.19	.05
50 55	64.14	34.98	19.78	11.45	6.73	4.00	2.40	1.45	.88	.26
55 60	88.70	47.67	26.70	15.42	9.11	5.48	3.33	2.04	1.26	.39
60 65	52.98	29.46	16.67	9.59	5.61	3.32	1.99	1.21	.74	.23
65 70	17.89	10.81	6.66	4.18	2.66	1.71	1.11	.72	.48	.17
70 75	14.35	8.38	5.07	3.16	2.03	1.33	.88	.59	.40	.16
75 80	7.15	4.92	3.39	2.33	1.61	1.11	.77	.53	.36	.14
80 85	1.82	1.25	.86	.59	.41	.28	.19	.13	.09	.04
85 90	4.96	3.53	2.51	1.78	1.27	.90	.64	.46	.32	.14
90 95	3.44	2.40	1.68	1.18	.82	.58	.40	.28	.20	.08
95 100	5.98	4.33	3.14	2.27	1.65	1.20	.87	.63	.46	.21
100 105	2.72	2.01	1.49	1.10	.82	.60	.45	.33	.24	.12
105 110	2.73	2.02	1.49	1.11	.82	.61	.45	.33	.25	.12
110 115	3.01	2.18	1.58	1.15	.83	.60	.44	.32	.23	.10
115 120	2.28	1.72	1.30	.98	.74	.56	.43	.32	.25	.12
120 125	1.38	1.02	.76	.56	.41	.31	.23	.17	.12	.06
125 130	.91	.71	.55	.43	.33	.26	.20	.16	.12	.07
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	1.81	1.41	1.10	.85	.66	.52	.40	.31	.24	.13
145 150	.90	.70	.54	.42	.33	.26	.20	.16	.12	.06
150 155	.69	.70	.54	.42	.33	.26	.20	.15	.12	.06
155 160	.90	.70	.54	.42	.33	.26	.20	.16	.12	.06
160 165	.89	.69	.54	.42	.33	.26	.20	.15	.12	.06
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	.88	.68	.53	.41	.32	.25	.20	.15	.12	.06
220 225	0	0	0	0	0	0	0	0	0	0
225 230	.50	.41	.34	.29	.24	.20	.17	.14	.11	.07
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	.48	.40	.34	.28	.23	.19	.16	.13	.11	.07
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	17.63	5.54	1.74	.55	.17	.06	.02	.01	.00	.00
325 330	9.08	3.28	1.19	.43	.16	.06	.02	.01	.00	.00
330 335	8.13	3.32	1.36	.55	.23	.09	.04	.02	.01	.00
335 340	3.03	1.20	.48	.20	.08	.03	.01	.01	.00	.00
340 345	16.67	5.53	1.87	.65	.23	.08	.03	.01	.00	.00
345 350	9.54	3.74	1.48	.60	.24	.10	.04	.02	.01	.00
350 355	7.95	2.99	1.14	.44	.17	.07	.03	.01	.00	.00
355 360	4.18	1.48	.54	.20	.08	.03	.01	.00	.00	.00
FIRST HARMONIC										
AMPLITUDE	527.35	254.99	132.40	72.98	42.18	25.30	15.63	9.89	6.38	2.29
PHASE (IN HOURS)	2.49	2.94	3.38	3.77	4.12	4.44	4.73	5.00	5.27	5.90
SECOND HARMONIC										
AMPLITUDE	332.56	167.77	90.83	51.61	30.25	18.14	11.08	6.88	4.34	1.47
PHASE (IN HOURS)	2.59	3.02	3.39	3.70	3.96	4.19	4.40	4.61	4.82	5.35

MACQUARIE ISLANDS

GEOGRAPHIC LATITUDE = -54.50 GEOGRAPHIC LONGITUDE = 158.90

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	1.29	.39	.12	.04	.01	.00	.00	.00	.00	.00
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	29.76	10.29	3.60	1.28	.46	.17	.06	.02	.01	.00
120 125	3.16	1.35	.58	.25	.11	.05	.02	.01	.00	.00
125 130	1.71	.77	.34	.15	.07	.03	.01	.01	.00	.00
130 135	1.76	.82	.38	.18	.08	.04	.02	.01	.00	.00
135 140	19.93	6.62	2.21	.74	.25	.09	.03	.01	.00	.00
140 145	5.13	2.08	.84	.34	.14	.06	.02	.01	.00	.00
145 150	4.80	2.17	.99	.45	.21	.10	.04	.02	.01	.00
150 155	5.66	1.97	.71	.27	.10	.04	.02	.01	.00	.00
155 160	2.86	.95	.31	.10	.03	.01	.00	.00	.00	.00
160 165	13.86	4.67	1.62	.58	.21	.08	.03	.01	.01	.00
165 170	100.75	38.04	14.74	5.87	2.40	1.01	.43	.19	.09	.01
170 175	17.07	7.52	3.33	1.48	.66	.30	.13	.06	.03	.00
175 180	10.07	5.15	2.66	1.38	.72	.38	.20	.11	.06	.01
180 185	11.81	5.54	2.63	1.26	.61	.30	.15	.07	.04	.01
185 190	21.36	10.68	5.55	2.96	1.61	.89	.50	.28	.16	.04
190 195	56.78	29.73	16.36	9.33	5.45	3.24	1.94	1.18	.72	.21
195 200	83.69	47.84	27.88	16.52	9.92	6.03	3.69	2.28	1.42	.45
200 205	56.72	36.21	23.46	15.40	10.23	6.87	4.65	3.17	2.18	.87
205 210	37.00	22.64	14.26	9.24	6.13	4.16	2.88	2.02	1.44	.64
210 215	51.91	23.53	11.85	6.66	4.12	2.75	1.93	1.40	1.04	.52
215 220	3.20	2.66	2.22	1.85	1.54	1.28	1.07	.89	.74	.47
220 225	4.43	2.33	1.22	.64	.34	.18	.09	.05	.03	.01
225 230	0	0	0	0	0	0	0	0	0	0
230 235	4.27	2.12	1.11	.62	.39	.27	.20	.17	.14	.11
235 240	5.06	2.36	1.15	.60	.34	.22	.17	.13	.11	.09
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
270 275	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05
275 280	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	496.32	244.74	130.19	73.89	44.22	27.61	17.84	11.87	8.10	3.41
PHASE (IN HOURS)	1.69	1.97	2.22	2.43	2.59	2.73	2.85	2.95	3.05	3.31
SECOND HARMONIC										
AMPLITUDE	363.34	191.11	107.85	64.14	39.69	25.33	16.59	11.10	7.58	3.15
PHASE (IN HOURS)	1.89	2.15	2.37	2.54	2.67	2.78	2.87	2.96	3.04	3.25

MAWSON,ANTARCTICA

GEOGRAPHIC LATITUDE = -67.60 GEOGRAPHIC LONGITUDE = 62.88

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	.80	.35	.15	.07	.03	.01	.01	.00	.00	.00
5 10	0	0	0	0	0	0	0	0	0	0
10 15	.84	.38	.17	.08	.03	.02	.01	.00	.00	.00
15 20	0	0	0	0	0	0	0	0	0	0
20 25	3.87	1.17	.36	.11	.03	.01	.00	.00	.00	.00
25 30	3.82	1.39	.52	.20	.08	.03	.01	.01	.00	.00
30 35	10.85	5.24	2.60	1.32	.68	.36	.19	.10	.05	.01
35 40	22.34	10.42	4.92	2.36	1.15	.57	.28	.14	.07	.02
40 45	37.93	14.71	6.07	2.68	1.27	.64	.34	.19	.11	.03
45 50	57.61	33.86	20.42	12.52	7.78	4.89	3.10	1.98	1.28	.44
50 55	88.96	49.87	30.00	19.06	12.61	8.60	6.00	4.26	3.07	1.43
55 60	37.40	24.59	16.45	11.19	7.74	5.44	3.88	2.81	2.07	1.02
60 65	34.60	20.00	11.70	6.94	4.18	2.56	1.59	1.02	.67	.28
65 70	36.64	17.15	8.45	4.34	2.30	1.25	.69	.39	.22	.06
70 75	27.41	13.15	6.38	3.13	1.55	.78	.39	.20	.10	.02
75 80	9.64	4.45	2.06	.95	.44	.20	.09	.04	.02	.00
80 85	17.86	7.99	3.62	1.66	.77	.36	.17	.08	.04	.01
85 90	24.13	8.52	3.06	1.12	.41	.16	.06	.02	.01	.00
90 95	16.05	7.37	3.43	1.62	.78	.38	.18	.09	.05	.01
95 100	29.07	10.22	3.67	1.35	.51	.20	.08	.03	.01	.00
100 105	6.30	2.61	1.08	.45	.19	.08	.03	.01	.01	.00
105 110	12.81	4.90	1.94	.80	.34	.15	.07	.03	.01	.00
110 115	0	0	0	0	0	0	0	0	0	0
115 120	2.70	1.26	.59	.28	.13	.06	.03	.01	.01	.00
120 125	2.05	.92	.41	.19	.08	.04	.02	.01	.00	.00
125 130	1.65	.72	.31	.14	.06	.03	.01	.00	.00	.00
130 135	1.34	.57	.24	.10	.04	.02	.01	.00	.00	.00
135 140	4.30	1.74	.70	.29	.12	.05	.02	.01	.00	.00
140 145	0	0	0	0	0	0	0	0	0	0
145 150	4.26	1.56	.57	.21	.08	.03	.01	.00	.00	.00
150 155	0	0	0	0	0	0	0	0	0	0
155 160	3.11	1.03	.34	.11	.04	.01	.00	.00	.00	.00
160 165	3.86	1.17	.36	.11	.03	.01	.00	.00	.00	.00
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	8.70	2.74	.86	.27	.09	.03	.01	.00	.00	.00
345 350	3.98	1.46	.54	.20	.07	.03	.01	.00	.00	.00
350 355	2.88	1.17	.47	.19	.08	.03	.01	.01	.00	.00
355 360	.74	.31	.13	.06	.02	.01	.00	.00	.00	.00
FIRST HARMONIC										
AMPLITUDE	458.59	229.76	123.24	70.18	42.02	26.24	16.97	11.31	7.74	3.31
PHASE (IN HOURS)	.00	-.11	-.21	-.31	-.38	-.44	-.49	-.52	-.54	-.55
SECOND HARMONIC										
AMPLITUDE	340.67	182.61	103.69	61.76	38.26	24.50	16.13	10.89	7.51	3.25
PHASE (IN HOURS)	-.11	-.21	-.30	-.38	-.44	-.48	-.51	-.54	-.55	-.56

MCMURDO SOUND,ANTARCTICA

GEOGRAPHIC LATITUDE = -77.85 GEOGRAPHIC LONGITUDE = 166.62

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	2.72	1.35	.68	.34	.17	.09	.05	.02	.01	.00
10 15	0	0	0	0	0	0	0	0	0	0
15 20	2.30	1.05	.48	.22	.10	.04	.02	.01	.00	.00
20 25	0	0	0	0	0	0	0	0	0	0
25 30	1.31	.57	.25	.11	.05	.02	.01	.00	.00	.00
30 35	2.82	1.20	.51	.22	.09	.04	.02	.01	.00	.00
35 40	3.04	1.22	.49	.20	.08	.03	.01	.01	.00	.00
40 45	.59	.26	.11	.05	.02	.01	.00	.00	.00	.00
45 50	5.33	1.99	.74	.28	.10	.04	.01	.01	.00	.00
50 55	2.90	1.53	.80	.42	.22	.12	.06	.03	.02	.00
55 60	11.34	3.74	1.25	.42	.14	.05	.02	.01	.00	.00
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	2.33	.85	.31	.12	.04	.02	.01	.00	.00	.00
75 80	0	0	0	0	0	0	0	0	0	0
80 85	5.80	2.25	.92	.39	.17	.08	.04	.02	.01	.00
85 90	1.25	.37	.11	.03	.01	.00	.00	.00	.00	.00
90 95	1.26	.62	.30	.15	.07	.04	.02	.01	.00	.00
95 100	2.07	.97	.45	.21	.10	.05	.02	.01	.00	.00
100 105	0	0	0	0	0	0	0	0	0	0
105 110	3.08	1.40	.64	.29	.13	.06	.03	.01	.01	.00
110 115	1.71	.74	.32	.14	.06	.03	.01	.00	.00	.00
115 120	2.65	1.15	.50	.22	.09	.04	.02	.01	.00	.00
120 125	6.60	2.70	1.11	.45	.19	.08	.03	.01	.01	.00
125 130	1.81	.75	.31	.13	.05	.02	.01	.00	.00	.00
130 135	9.51	3.59	1.35	.51	.19	.07	.03	.01	.00	.00
135 140	18.23	5.97	1.97	.65	.22	.07	.02	.01	.00	.00
140 145	10.06	3.40	1.21	.45	.18	.08	.04	.02	.01	.00
145 150	0	0	0	0	0	0	0	0	0	0
150 155	1.25	.57	.26	.12	.05	.03	.01	.01	.00	.00
155 160	3.76	1.78	.85	.41	.20	.10	.05	.03	.01	.00
160 165	6.88	2.49	.94	.37	.15	.07	.03	.01	.01	.00
165 170	.29	.16	.09	.05	.03	.02	.01	.00	.00	.00
170 175	3.91	1.92	.94	.46	.23	.11	.05	.03	.01	.00
175 180	1.36	.64	.30	.14	.07	.03	.02	.01	.00	.00
180 185	3.38	1.56	.72	.33	.15	.07	.03	.02	.01	.00
185 190	4.83	2.09	.91	.39	.17	.07	.03	.01	.01	.00
190 195	10.15	4.02	1.60	.64	.26	.10	.04	.02	.01	.00
195 200	14.07	4.95	1.77	.65	.24	.09	.04	.01	.01	.00
200 205	6.69	2.46	.90	.33	.12	.04	.02	.01	.00	.00
205 210	13.14	4.14	1.31	.41	.13	.04	.01	.00	.00	.00
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	.59	.38	.25	.17	.11	.07	.05	.03	.02	.01
230 235	1.64	.98	.59	.35	.21	.13	.08	.05	.03	.01
235 240	1.25	.69	.38	.21	.12	.07	.04	.02	.01	.00
240 245	.50	.30	.18	.11	.06	.04	.02	.01	.01	.00
245 250	4.68	2.65	1.52	.88	.51	.30	.18	.11	.07	.02
250 255	3.32	1.99	1.21	.74	.46	.29	.19	.12	.08	.03
255 260	2.86	1.67	.99	.60	.37	.23	.15	.09	.06	.02
260 265	6.30	3.22	1.69	.92	.52	.31	.19	.12	.08	.03
265 270	15.85	8.08	4.49	2.68	1.68	1.09	.73	.49	.34	.14
270 275	10.98	7.46	5.21	3.72	2.71	2.00	1.50	1.13	.86	.46
275 280	4.94	2.97	1.86	1.21	.81	.57	.41	.31	.24	.15
280 285	4.11	2.19	1.24	.74	.47	.31	.21	.15	.11	.05
285 290	6.36	3.32	1.82	1.04	.62	.38	.24	.15	.10	.03
290 295	10.22	4.22	1.89	.94	.51	.30	.19	.12	.08	.03
295 300	5.60	1.99	.79	.36	.19	.11	.06	.04	.03	.01
300 305	2.26	1.34	.80	.48	.29	.18	.11	.07	.04	.01
305 310	.92	.51	.28	.16	.09	.05	.03	.01	.01	.00
310 315	.37	.24	.16	.10	.07	.04	.03	.02	.01	.00
315 320	.51	.30	.17	.10	.06	.03	.02	.01	.01	.00
320 325	.19	.12	.08	.06	.04	.02	.02	.01	.01	.00
325 330	3.73	1.96	1.03	.54	.28	.15	.08	.04	.02	.00
330 335	0	0	0	0	0	0	0	0	0	0
335 340	.33	.19	.11	.06	.03	.02	.01	.01	.00	.00
340 345	.49	.28	.16	.09	.05	.03	.02	.01	.01	.00
345 350	.35	.20	.12	.07	.04	.02	.01	.01	.00	.00
350 355	2.23	1.09	.54	.26	.13	.06	.03	.02	.01	.00
355 360	1.59	.81	.42	.22	.11	.06	.03	.02	.01	.00
FIRST HARMONIC										
AMPLITUDE	66.01	29.35	17.13	11.49	8.00	5.62	3.98	2.85	2.07	.99
PHASE (IN HOURS)	2.07	3.70	5.17	6.07	6.54	6.80	6.93	7.01	7.05	7.10
SECOND HARMONIC										
AMPLITUDE	26.66	19.06	13.69	9.74	6.91	4.92	3.53	2.56	1.88	.93
PHASE (IN HOURS)	8.06	7.57	7.34	7.22	7.16	7.13	7.12	7.11	7.11	7.12

MEXICO CITY,MEXICO

GEOGRAPHIC LATITUDE = 19.33 GEOGRAPHIC LONGITUDE = -99.18

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	12.42	6.93	3.86	2.15	1.20	.67	.37	.21	.12	.03
5 10	7.02	4.15	2.46	1.45	.86	.51	.30	.18	.11	.03
10 15	0	0	0	0	0	0	0	0	0	0
15 20	12.78	7.43	4.32	2.51	1.46	.85	.50	.29	.17	.04
20 25	4.24	2.54	1.52	.91	.54	.33	.20	.12	.07	.02
25 30	4.89	3.03	1.87	1.16	.72	.44	.28	.17	.11	.03
30 35	16.19	9.35	5.41	3.13	1.81	1.05	.61	.35	.21	.05
35 40	0	0	0	0	0	0	0	0	0	0
40 45	9.57	5.83	3.56	2.17	1.32	.81	.49	.30	.18	.0[illegible]
45 50	7.36	4.31	2.53	1.48	.87	.51	.30	.18	.10	.03
50 55	4.89	3.03	1.87	1.16	.72	.44	.28	.17	.11	.03
55 60	0	0	0	0	0	0	0	0	0	0
60 65	8.59	5.24	3.19	1.95	1.19	.73	.44	.27	.17	.05
65 70	3.68	2.34	1.49	.95	.61	.39	.25	.16	.10	.03
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	2.75	1.60	.93	.54	.31	.18	.11	.06	.04	.01
85 90	4.22	2.61	1.62	1.00	.62	.38	.24	.15	.09	.03
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	4.88	3.02	1.87	1.16	.72	.44	.27	.17	.11	.03
115 120	0	0	0	0	0	0	0	0	0	0
120 125	4.84	3.00	1.86	1.15	.71	.44	.27	.17	.10	.03
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	4.12	2.62	1.67	1.07	.68	.43	.28	.18	.11	.04
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	3.91	2.49	1.59	1.01	.65	.41	.26	.17	.11	.03
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	4.14	2.64	1.68	1.07	.68	.44	.28	.18	.11	.04
230 235	28.50	8.98	2.84	.90	.29	.09	.03	.01	.00	.00
235 240	14.91	5.47	2.01	.74	.27	.10	.04	.01	.00	.00
240 245	0	0	0	0	0	0	0	0	0	0
245 250	28.96	10.06	3.57	1.29	.48	.18	.07	.03	.01	.00
250 255	20.02	7.38	2.77	1.05	.41	.16	.06	.03	.01	.00
255 260	27.57	9.97	3.68	1.38	.53	.21	.08	.03	.01	.00
260 265	73.11	24.21	8.12	2.76	.95	.33	.12	.04	.02	.00
265 270	91.60	33.15	12.20	4.57	1.74	.67	.27	.11	.04	.00
270 275	57.41	21.61	8.24	3.18	1.24	.49	.20	.08	.03	.00
275 280	73.47	29.57	12.12	5.06	2.14	.92	.40	.18	.08	.01
280 285	57.99	21.60	8.26	3.24	1.30	.53	.22	.09	.04	.01
285 290	52.98	21.81	9.11	3.86	1.66	.72	.32	.14	.06	.01
290 295	39.88	18.31	8.49	3.98	1.88	.90	.43	.21	.10	.02
295 300	61.89	23.45	9.17	3.69	1.53	.65	.28	.12	.06	.01
300 305	47.10	20.84	9.40	4.31	2.01	.95	.46	.22	.11	.02
305 310	31.43	14.14	6.44	2.97	1.38	.65	.31	.15	.07	.01
310 315	34.70	16.95	8.35	4.15	2.08	1.05	.53	.27	.14	.03
315 320	30.38	15.07	7.52	3.77	1.90	.96	.49	.25	.13	.03
320 325	19.38	9.72	4.89	2.48	1.26	.64	.33	.17	.09	.02
325 330	13.28	7.12	3.82	2.05	1.10	.59	.32	.17	.09	.02
330 335	26.66	14.20	7.59	4.07	2.19	1.18	.64	.35	.19	.04
335 340	16.17	8.76	4.75	2.58	1.40	.76	.41	.23	.12	.03
340 345	2.73	1.55	.88	.50	.28	.16	.09	.05	.03	.01
345 350	10.88	6.15	3.48	1.97	1.12	.63	.36	.20	.12	.03
350 355	6.99	4.13	2.44	1.45	.85	.51	.30	.18	.10	.03
355 360	10.60	5.74	3.12	1.70	.93	.51	.28	.15	.08	.02
FIRST HARMONIC										
AMPLITUDE	745.88	299.73	126.27	55.97	26.12	12.79	6.53	3.45	1.87	.44
PHASE (IN HOURS)	2.09	2.56	3.10	3.69	4.32	4.93	5.52	6.07	6.57	7.62
SECOND HARMONIC										
AMPLITUDE	497.55	181.91	67.48	25.34	9.64	3.78	1.61	.81	.48	.16
PHASE (IN HOURS)	1.46	1.71	2.01	2.38	2.85	3.47	4.29	5.22	6.03	7.24

MINA AGUILAR,ARGENTINA

GEOGRAPHIC LATITUDE = -23.10 GEOGRAPHIC LONGITUDE = -65.70

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	33.60	17.42	9.06	4.72	2.47	1.30	.68	.36	.19	.04
5 10	0	0	0	0	0	0	0	0	0	0
10 15	18.35	10.07	5.54	3.05	1.68	.93	.52	.29	.16	.04
15 20	19.49	9.91	5.05	2.57	1.31	.67	.34	.18	.09	.02
20 25	12.83	7.12	3.95	2.19	1.22	.68	.37	.21	.12	.03
25 30	17.26	9.70	5.45	3.07	1.73	.97	.55	.31	.17	.04
30 35	15.38	8.80	5.05	2.89	1.66	.96	.55	.32	.18	.05
35 40	7.87	4.47	2.54	1.44	.82	.46	.26	.15	.08	.02
40 45	9.65	5.07	2.66	1.40	.74	.39	.20	.11	.06	.01
45 50	13.91	7.82	4.39	2.47	1.39	.78	.44	.25	.14	.03
50 55	0	0	0	0	0	0	0	0	0	0
55 60	4.31	2.51	1.46	.85	.49	.29	.17	.10	.06	.01
60 65	4.86	2.91	1.74	1.04	.62	.37	.22	.13	.08	.02
65 70	8.55	4.98	2.90	1.68	.98	.57	.33	.19	.11	.03
70 75	3.81	2.16	1.23	.70	.40	.22	.13	.07	.04	.01
75 80	0	0	0	0	0	0	0	0	0	0
80 85	4.51	2.63	1.53	.89	.52	.30	.18	.10	.06	.02
85 90	3.93	2.29	1.33	.77	.45	.26	.15	.09	.05	.01
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	6.29	3.49	1.94	1.08	.60	.33	.18	.10	.06	.01
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	5.12	3.07	1.84	1.10	.66	.39	.24	.14	.08	.02
130 135	0	0	0	0	0	0	0	0	0	0
135 140	4.55	2.65	1.54	.90	.52	.30	.18	.10	.06	.02
140 145	0	0	0	0	0	0	0	0	0	0
145 150	5.12	3.06	1.83	1.10	.66	.39	.24	.14	.08	.02
150 155	5.14	3.08	1.84	1.10	.66	.40	.24	.14	.08	.02
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	5.10	3.05	1.83	1.09	.66	.39	.23	.14	.08	.02
260 265	19.09	5.79	1.76	.53	.16	.05	.01	.00	.00	.00
265 270	14.34	4.75	1.58	.52	.17	.06	.02	.01	.00	.00
270 275	17.48	6.42	2.36	.86	.32	.12	.04	.02	.01	.00
275 280	14.77	5.98	2.42	.98	.40	.16	.06	.03	.01	.00
280 285	37.23	12.18	4.04	1.36	.46	.16	.06	.02	.01	.00
285 290	22.18	8.46	3.25	1.25	.49	.19	.07	.03	.01	.00
290 295	16.68	6.97	2.92	1.23	.52	.22	.09	.04	.02	.00
295 300	111.67	36.64	12.26	4.20	1.48	.54	.20	.08	.03	.00
300 305	89.27	30.90	10.79	3.80	1.35	.49	.18	.06	.02	.00
305 310	79.64	31.30	12.46	5.03	2.06	.85	.36	.15	.07	.01
310 315	50.31	20.57	8.45	3.49	1.45	.61	.25	.11	.05	.01
315 320	66.24	24.33	9.14	3.50	1.37	.54	.22	.09	.04	.00
320 325	60.62	25.60	10.93	4.71	2.05	.90	.40	.18	.08	.01
325 330	50.16	22.99	10.62	4.95	2.32	1.10	.52	.25	.12	.02
330 335	45.68	15.57	5.41	1.91	.69	.25	.10	.04	.01	.00
335 340	61.37	27.22	12.25	5.58	2.57	1.20	.56	.27	.13	.02
340 345	32.04	14.57	6.71	3.13	1.48	.70	.34	.17	.08	.01
345 350	36.30	17.29	8.31	4.03	1.97	.97	.48	.24	.12	.02
350 355	5.24	2.27	.99	.43	.19	.08	.03	.02	.01	.00
355 360	47.76	24.18	12.29	6.27	3.21	1.65	.85	.44	.23	.05
FIRST HARMONIC										
AMPLITUDE	842.43	339.13	142.98	63.20	29.23	14.07	7.00	3.58	1.87	.39
PHASE (IN HOURS)	2.06	2.49	2.96	3.46	3.95	4.43	4.86	5.26	5.62	6.35
SECOND HARMONIC										
AMPLITUDE	543.15	201.80	78.12	31.91	13.90	6.46	3.17	1.62	.85	.18
PHASE (IN HOURS)	1.58	1.89	2.27	2.70	3.16	3.61	4.03	4.40	4.72	5.31

MIRNY, ANTARCTICA

GEOGRAPHIC LATITUDE = -66.55 GEOGRAPHIC LONGITUDE = 93.00

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	16.15	5.36	1.79	.60	.20	.07	.02	.01	.00	.00
25 30	7.63	3.19	1.34	.56	.24	.10	.04	.02	.01	.00
30 35	1.37	.64	.30	.14	.07	.03	.01	.01	.00	.00
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	1.52	.74	.37	.18	.09	.04	.02	.01	.01	.00
50 55	4.82	1.46	.44	.13	.04	.01	.00	.00	.00	.00
55 60	15.99	7.16	3.36	1.64	.83	.43	.22	.12	.06	.01
60 65	10.14	4.72	2.24	1.08	.53	.26	.13	.07	.04	.01
65 70	10.32	4.90	2.36	1.15	.57	.29	.15	.08	.04	.01
70 75	25.60	13.45	7.21	3.93	2.19	1.23	.71	.41	.24	.07
75 80	58.50	31.69	18.01	10.67	6.55	4.13	2.67	1.76	1.18	.46
80 85	96.99	53.48	32.01	20.36	13.52	9.28	6.52	4.68	3.43	1.69
85 90	38.14	19.41	10.77	6.37	3.93	2.50	1.62	1.08	.72	.28
90 95	31.81	15.98	8.56	4.82	2.82	1.70	1.05	.66	.42	.14
95 100	22.34	10.34	4.97	2.49	1.30	.70	.39	.23	.14	.04
100 105	8.50	4.18	2.05	1.01	.49	.24	.12	.06	.03	.00
105 110	9.32	4.80	2.49	1.29	.68	.35	.19	.10	.05	.01
110 115	9.76	4.37	1.96	.88	.40	.18	.08	.04	.02	.00
115 120	18.01	7.41	3.09	1.30	.55	.24	.10	.05	.02	.00
120 125	25.88	9.97	4.02	1.69	.74	.34	.16	.07	.04	.01
125 130	16.92	6.65	2.63	1.04	.42	.17	.07	.03	.01	.00
130 135	8.26	3.03	1.11	.41	.15	.06	.02	.01	.00	.00
135 140	18.20	6.27	2.24	.83	.33	.13	.06	.03	.01	.00
140 145	0	0	0	0	0	0	0	0	0	0
145 150	2.04	.95	.45	.21	.10	.05	.02	.01	.00	.00
150 155	0	0	0	0	0	0	0	0	0	0
155 160	1.51	.68	.30	.14	.06	.03	.01	.01	.00	.00
160 165	1.19	.52	.22	.10	.04	.02	.01	.00	.00	.00
165 170	.95	.40	.17	.07	.03	.01	.01	.00	.00	.00
170 175	.77	.32	.13	.05	.02	.01	.00	.00	.00	.00
175 180	2.19	.88	.35	.14	.06	.02	.01	.00	.00	.00
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	2.82	1.04	.38	.14	.05	.02	.01	.00	.00	.00
195 200	0	0	0	0	0	0	0	0	0	0
200 205	2.02	.67	.22	.07	.02	.01	.00	.00	.00	.00
205 210	1.40	.43	.13	.04	.01	.00	.00	.00	.00	.00
210 215	1.11	.33	.10	.03	.01	.00	.00	.00	.00	.00
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	412.46	202.34	106.55	59.77	35.39	21.93	14.10	9.37	6.40	2.74
PHASE (IN HOURS)	-.20	-.30	-.39	-.47	-.53	-.58	-.62	-.64	-.66	-.68
SECOND HARMONIC										
AMPLITUDE	298.86	157.10	87.90	51.81	31.86	20.30	13.33	8.98	6.20	2.69
PHASE (IN HOURS)	-.32	-.41	-.48	-.54	-.59	-.62	-.64	-.66	-.67	-.69

MOSCOW,U.S.S.R.

GEOGRAPHIC LATITUDE = 55.47 GEOGRAPHIC LONGITUDE = 37.32

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	14.47	5.07	1.78	.63	.22	.08	.03	.01	.00	.00
5 10	8.30	3.34	1.35	.55	.22	.09	.04	.01	.01	.00
10 15	1.84	.80	.35	.15	.07	.03	.01	.01	.00	.00
15 20	15.52	5.16	1.75	.61	.22	.08	.03	.01	.00	.00
20 25	9.28	3.78	1.62	.75	.39	.23	.15	.11	.08	.05
25 30	4.13	1.66	.67	.27	.11	.04	.02	.01	.00	.00
30 35	6.81	2.40	.86	.32	.12	.05	.02	.01	.00	.00
35 40	7.42	3.08	1.31	.57	.26	.12	.05	.03	.01	.00
40 45	14.35	4.96	1.83	.75	.36	.21	.14	.10	.08	.05
45 50	62.99	21.52	7.44	2.61	.93	.33	.12	.05	.02	.00
50 55	34.16	14.24	5.96	2.50	1.06	.45	.19	.08	.04	.00
55 60	20.74	9.33	4.22	1.93	.88	.41	.19	.09	.04	.01
60 65	25.06	12.42	6.21	3.13	1.59	.81	.42	.22	.11	.02
65 70	18.81	8.94	4.41	2.24	1.16	.61	.32	.17	.09	.02
70 75	26.68	12.29	5.97	3.02	1.57	.84	.45	.25	.14	.03
75 80	35.45	17.35	8.79	4.59	2.46	1.35	.75	.42	.24	.06
80 85	77.30	44.95	26.45	15.71	9.41	5.67	3.43	2.09	1.28	.38
85 90	63.34	36.91	21.75	12.94	7.78	4.71	2.88	1.77	1.10	.34
90 95	46.62	23.04	12.21	6.82	3.96	2.36	1.44	.89	.56	.18
95 100	38.27	18.11	9.00	4.70	2.58	1.48	.88	.54	.34	.11
100 105	13.95	8.82	5.67	3.69	2.44	1.62	1.09	.74	.50	.20
105 110	13.10	7.64	4.64	2.91	1.88	1.24	.82	.56	.38	.15
110 115	11.14	6.75	4.27	2.80	1.88	1.29	.89	.62	.44	.18
115 120	6.11	4.38	3.15	2.26	1.63	1.17	.84	.61	.44	.20
120 125	4.33	3.15	2.30	1.68	1.23	.90	.65	.48	.35	.16
125 130	5.67	4.15	3.04	2.22	1.63	1.19	.88	.64	.47	.22
130 135	2.71	2.01	1.49	1.10	.82	.60	.45	.33	.24	.12
135 140	.89	.69	.54	.42	.33	.25	.20	.15	.12	.06
140 145	0	0	0	0	0	0	0	0	0	0
145 150	.89	.70	.54	.42	.33	.26	.20	.15	.12	.06
150 155	0	0	0	0	0	0	0	0	0	0
155 160	2.69	2.09	1.63	1.27	.99	.77	.60	.47	.36	.19
160 165	1.80	1.40	1.09	.85	.66	.51	.40	.31	.24	.13
165 170	1.22	.97	.77	.61	.49	.39	.31	.25	.20	.11
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	.89	.69	.54	.42	.33	.25	.20	.15	.12	.06
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	.33	.27	.23	.19	.16	.13	.11	.09	.08	.05
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	.66	.55	.46	.38	.32	.26	.22	.18	.15	.10
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	.57	.17	.05	.01	.00	.00	.00	.00	.00	.00
345 350	.58	.18	.06	.02	.01	.00	.00	.00	.00	.00
350 355	0	0	0	0	0	0	0	0	0	0
355 360	9.21	2.79	.85	.26	.08	.02	.01	.00	.00	.00
FIRST HARMONIC										
AMPLITUDE	526.04	257.71	135.26	75.23	43.85	26.52	16.52	10.55	6.87	2.53
PHASE (IN HOURS)	2.27	2.64	3.00	3.32	3.60	3.86	4.10	4.32	4.54	5.04
SECOND HARMONIC										
AMPLITUDE	355.79	182.08	99.16	56.47	33.22	20.05	12.35	7.75	4.95	1.71
PHASE (IN HOURS)	2.40	2.74	3.03	3.28	3.50	3.69	3.88	4.06	4.23	4.66

MT.NORIKURA,JAPAN

GEOGRAPHIC LATITUDE = 36.12 GEOGRAPHIC LONGITUDE = 137.56

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	3.45	2.13	1.32	.82	.51	.31	.19	.12	.07	.02
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	3.45	2.13	1.32	.82	.51	.31	.19	.12	.07	.02
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	15.69	4.75	1.44	.44	.13	.04	.01	.00	.00	.00
105 110	11.61	3.85	1.28	.42	.14	.05	.02	.01	.00	.00
110 115	13.80	5.06	1.86	.68	.25	.09	.03	.01	.00	.00
115 120	0	0	0	0	0	0	0	0	0	0
120 125	26.63	9.22	3.26	1.17	.43	.16	.06	.02	.01	.00
125 130	14.66	5.14	1.83	.66	.24	.09	.03	.01	.00	.00
130 135	17.57	6.69	2.56	.98	.38	.15	.06	.02	.01	.00
135 140	65.18	21.66	7.33	2.54	.90	.33	.12	.05	.02	.00
140 145	50.32	17.11	5.87	2.03	.71	.25	.09	.03	.01	.00
145 150	64.58	23.77	8.90	3.39	1.31	.51	.21	.08	.03	.00
150 155	51.79	20.06	7.84	3.08	1.22	.49	.20	.08	.03	.00
155 160	44.29	17.76	7.21	2.95	1.22	.51	.21	.09	.04	.00
160 165	65.83	25.35	10.13	4.19	1.78	.78	.35	.16	.07	.01
165 170	41.07	16.10	6.39	2.57	1.05	.43	.18	.08	.03	.00
170 175	35.34	15.99	7.29	3.35	1.55	.72	.34	.16	.08	.01
175 180	69.66	26.51	10.41	4.22	1.76	.75	.33	.15	.07	.01
180 185	40.73	17.48	7.65	3.42	1.55	.72	.34	.16	.08	.01
185 190	42.54	19.48	9.03	4.23	2.01	.96	.46	.23	.11	.02
190 195	43.00	20.34	9.72	4.70	2.29	1.13	.56	.28	.14	.03
195 200	33.02	16.16	7.95	3.94	1.96	.98	.50	.25	.13	.02
200 205	20.95	10.25	5.04	2.49	1.24	.62	.31	.15	.08	.01
205 210	21.36	11.37	6.09	3.28	1.77	.96	.53	.29	.16	.04
210 215	42.00	21.64	11.17	5.78	3.00	1.56	.81	.42	.22	.04
215 220	12.33	6.92	3.89	2.18	1.23	.69	.39	.22	.12	.03
220 225	16.48	9.02	4.95	2.72	1.50	.83	.46	.25	.14	.03
225 230	0	0	0	0	0	0	0	0	0	0
230 235	12.46	7.06	4.00	2.27	1.29	.73	.41	.23	.13	.03
235 240	12.47	6.78	3.69	2.02	1.10	.61	.33	.18	.10	.02
240 245	3.93	2.29	1.33	.77	.45	.26	.15	.09	.05	.01
245 250	12.19	7.06	4.09	2.38	1.38	.81	.47	.27	.16	.04
250 255	7.90	4.42	2.47	1.38	.77	.43	.24	.14	.08	.02
255 260	0	0	0	0	0	0	0	0	0	0
260 265	3.84	2.24	1.30	.76	.44	.26	.15	.09	.05	.01
265 270	10.64	6.27	3.70	2.18	1.29	.76	.45	.27	.16	.04
270 275	7.10	4.25	2.55	1.52	.91	.55	.33	.20	.12	.03
275 280	0	0	0	0	0	0	0	0	0	0
280 285	10.64	6.28	3.70	2.19	1.29	.76	.45	.27	.16	.04
285 290	4.04	2.35	1.37	.80	.46	.27	.16	.09	.05	.01
290 295	5.97	3.31	1.84	1.02	.57	.31	.17	.10	.05	.01
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	4.30	2.50	1.46	.85	.49	.29	.17	.10	.06	.01
310 315	7.83	4.69	2.81	1.68	1.01	.60	.36	.22	.13	.04
315 320	0	0	0	0	0	0	0	0	0	0
320 325	3.42	2.12	1.31	.81	.50	.31	.19	.12	.07	.02
325 330	0	0	0	0	0	0	0	0	0	0
330 335	4.18	2.43	1.42	.82	.48	.28	.16	.09	.05	.01
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	3.34	1.90	1.08	.61	.35	.20	.11	.06	.04	.01
350 355	3.39	2.10	1.30	.80	.50	.31	.19	.12	.07	.02
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	734.62	299.72	128.42	57.83	27.30	13.43	6.83	3.57	1.91	.43
PHASE (IN HOURS)	2.35	2.83	3.36	3.91	4.45	4.98	5.46	5.89	6.29	7.12
SECOND HARMONIC										
AMPLITUDE	453.30	171.64	67.66	27.92	12.12	5.53	2.64	1.32	.68	.15
PHASE (IN HOURS)	1.81	2.14	2.51	2.93	3.37	3.83	4.28	4.71	5.12	6.02

MT.WASHINGTON, U.S.A.

GEOGRAPHIC LATITUDE = 44.30 GEOGRAPHIC LONGITUDE = -71.30

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	4.20	3.27	2.55	1.98	1.54	1.20	.93	.73	.57	.30
5 10	1.38	1.08	.84	.65	.51	.40	.31	.24	.19	.10
10 15	0	0	0	0	0	0	0	0	0	0
15 20	3.89	3.24	2.70	2.24	1.87	1.56	1.30	1.08	.90	.57
20 25	1.56	1.30	1.08	.90	.75	.62	.52	.43	.36	.23
25 30	.78	.65	.54	.45	.37	.31	.26	.22	.18	.11
30 35	.79	.65	.54	.45	.38	.31	.26	.22	.18	.11
35 40	2.28	.96	.41	.17	.07	.03	.01	.01	.00	.00
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	.15	.14	.13	.12	.11	.10	.09	.08	.08	.06
100 105	.15	.14	.13	.12	.11	.10	.09	.08	.08	.06
105 110	.30	.27	.25	.23	.22	.20	.18	.17	.16	.13
110 115	.15	.14	.13	.12	.11	.10	.09	.08	.08	.06
115 120	.15	.13	.12	.11	.11	.10	.09	.08	.08	.06
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	.15	.14	.13	.12	.11	.10	.09	.08	.08	.06
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	.15	.14	.13	.12	.11	.10	.09	.09	.08	.07
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	.16	.15	.14	.13	.12	.11	.10	.09	.09	.07
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	7.76	2.35	.71	.22	.07	.02	.01	.00	.00	.00
250 255	12.33	4.32	1.52	.54	.19	.07	.02	.01	.00	.00
255 260	5.18	2.09	.85	.34	.14	.06	.02	.01	.00	.00
260 265	1.40	.59	.25	.10	.04	.02	.01	.00	.00	.00
265 270	8.79	2.86	.96	.33	.12	.04	.02	.01	.00	.00
270 275	13.54	4.92	1.80	.67	.25	.10	.04	.01	.01	.00
275 280	0	0	0	0	0	0	0	0	0	0
280 285	8.70	3.67	1.55	.66	.28	.12	.05	.02	.01	.00
285 290	32.10	10.71	3.62	1.24	.43	.15	.05	.02	.01	.00
290 295	60.82	22.51	8.50	3.28	1.29	.52	.21	.09	.04	.00
295 300	36.00	15.32	6.70	3.00	1.37	.64	.30	.14	.07	.01
300 305	8.96	3.82	1.64	.71	.31	.13	.06	.03	.01	.00
305 310	21.53	9.86	4.64	2.24	1.10	.55	.28	.15	.08	.02
310 315	26.43	10.52	4.45	1.99	.94	.46	.23	.12	.06	.01
315 320	29.33	12.92	5.90	2.79	1.37	.69	.36	.19	.10	.02
320 325	31.14	16.75	9.23	5.20	2.99	1.75	1.04	.62	.38	.11
325 330	90.22	52.92	31.33	18.70	11.25	6.81	4.15	2.54	1.57	.47
330 335	90.01	45.41	24.51	13.96	8.28	5.06	3.16	2.00	1.28	.44
335 340	31.43	17.21	9.67	5.57	3.29	1.99	1.23	.78	.50	.17
340 345	32.49	21.62	14.67	10.10	7.03	4.93	3.47	2.46	1.75	.75
345 350	18.75	12.60	8.73	6.16	4.41	3.18	2.30	1.67	1.22	.55
350 355	18.53	10.76	6.58	4.24	2.87	2.02	1.46	1.09	.82	.42
355 360	1.42	1.11	.86	.67	.52	.41	.32	.25	.19	.10
FIRST HARMONIC										
AMPLITUDE	540.26	267.61	143.37	82.14	49.69	31.37	20.48	13.74	9.42	3.95
PHASE (IN HOURS)	1.93	2.28	2.61	2.90	3.17	3.40	3.62	3.84	4.05	4.62
SECOND HARMONIC										
AMPLITUDE	398.74	205.22	114.50	67.90	42.12	27.05	17.85	12.05	8.30	3.50
PHASE (IN HOURS)	2.03	2.37	2.66	2.91	3.12	3.29	3.45	3.58	3.71	3.96

MT.WELLINGTON, AUSTRALIA

GEOGRAPHIC LATITUDE = -42.92 GEOGRAPHIC LONGITUDE = 147.24

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	25.65	8.52	2.85	.96	.32	.11	.04	.01	.00	.00
115 120	4.98	2.00	.81	.32	.13	.05	.02	.01	.00	.00
120 125	3.41	1.42	.59	.25	.10	.04	.02	.01	.00	.00
125 130	6.13	2.08	.73	.27	.10	.04	.02	.01	.00	.00
130 135	21.87	7.68	2.73	.98	.36	.13	.05	.02	.01	.00
135 140	0	0	0	0	0	0	0	0	0	0
140 145	12.18	4.96	2.05	.85	.36	.15	.07	.03	.01	.00
145 150	9.87	3.27	1.11	.39	.14	.05	.02	.01	.00	.00
150 155	74.15	24.35	8.07	2.70	.91	.31	.11	.04	.01	.00
155 160	61.32	24.96	10.25	4.25	1.78	.75	.32	.14	.06	.01
160 165	17.60	7.77	3.45	1.55	.70	.32	.14	.07	.03	.00
165 170	25.79	12.17	5.79	2.77	1.34	.65	.32	.16	.08	.01
170 175	26.07	9.72	3.81	1.58	.70	.32	.16	.08	.04	.01
175 180	26.93	12.70	6.16	3.06	1.55	.80	.42	.22	.12	.03
180 185	33.57	16.19	7.95	3.98	2.02	1.05	.55	.29	.16	.03
185 190	41.31	22.76	12.69	7.15	4.07	2.34	1.36	.79	.47	.13
190 195	119.76	65.31	36.92	21.37	12.56	7.46	4.47	2.69	1.63	.47
195 200	68.85	34.28	17.70	9.46	5.22	2.97	1.73	1.03	.62	.19
200 205	21.65	13.68	8.76	5.66	3.68	2.41	1.59	1.05	.69	.25
205 210	24.91	14.26	8.39	5.06	3.13	1.97	1.27	.82	.54	.20
210 215	14.93	10.45	7.32	5.14	3.60	2.53	1.78	1.25	.88	.37
215 220	9.48	6.74	4.79	3.41	2.43	1.73	1.23	.88	.63	.27
220 225	5.28	3.91	2.89	2.14	1.59	1.17	.87	.64	.48	.22
225 230	2.66	1.97	1.46	1.08	.80	.59	.44	.32	.24	.11
230 235	1.32	.98	.72	.54	.40	.29	.22	.16	.12	.06
235 240	0	0	0	0	0	0	0	0	0	0
240 245	4.33	3.37	2.62	2.04	1.59	1.24	.96	.75	.58	.31
245 250	1.73	1.35	1.05	.82	.64	.49	.39	.30	.23	.12
250 255	1.75	1.36	1.06	.83	.64	.50	.39	.30	.24	.13
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
285 290	1.20	1.00	.83	.69	.57	.48	.40	.33	.28	.17
290 295	.39	.33	.27	.23	.19	.16	.13	.11	.09	.06
295 300	.78	.65	.54	.45	.38	.31	.26	.22	.18	.11
300 305	0	0	0	0	0	0	0	0	0	0
305 310	.38	.31	.26	.22	.18	.15	.13	.10	.09	.06
310 315	.37	.31	.26	.22	.18	.15	.12	.10	.09	.05
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	595.70	285.20	146.95	80.71	46.73	28.23	17.64	11.34	7.47	2.87
PHASE (IN HOURS)	1.97	2.35	2.73	3.07	3.39	3.68	3.94	4.20	4.45	5.08
SECOND HARMONIC										
AMPLITUDE	426.59	209.17	110.75	62.08	36.25	21.79	13.39	8.38	5.31	1.80
PHASE (IN HOURS)	2.04	2.41	2.74	3.02	3.27	3.48	3.67	3.86	4.04	4.53

MUNICH,GERMANY

GEOGRAPHIC LATITUDE = 48.20 GEOGRAPHIC LONGITUDE = 11.60

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	9.75	3.52	1.27	.46	.17	.06	.02	.01	.00	.00
5 10	11.94	4.73	1.91	.79	.33	.14	.06	.03	.01	.00
10 15	11.25	4.05	1.49	.56	.21	.08	.03	.01	.01	.00
15 20	25.58	8.89	3.22	1.22	.48	.20	.09	.04	.02	.00
20 25	57.99	19.55	6.63	2.26	.78	.27	.09	.03	.01	.00
25 30	39.62	15.83	6.35	2.56	1.04	.42	.17	.07	.03	.00
30 35	21.89	9.46	4.11	1.79	.78	.34	.15	.07	.03	.00
35 40	27.21	11.86	5.28	2.39	1.10	.51	.24	.11	.05	.01
40 45	30.60	13.30	6.02	2.82	1.36	.67	.33	.17	.08	.02
45 50	13.14	5.27	2.14	.88	.37	.15	.07	.03	.01	.00
50 55	36.57	18.10	9.08	4.61	2.37	1.23	.64	.34	.18	.04
55 60	22.38	11.35	5.84	3.05	1.61	.86	.46	.25	.14	.03
60 65	43.87	19.83	9.51	4.78	2.49	1.33	.72	.40	.22	.05
65 70	45.76	22.36	11.29	5.86	3.12	1.69	.93	.52	.29	.07
70 75	48.53	26.18	14.36	7.99	4.50	2.57	1.48	.86	.50	.14
75 80	47.68	27.31	15.78	9.18	5.38	3.18	1.89	1.13	.67	.19
80 85	41.29	24.09	14.21	8.47	5.09	3.09	1.89	1.16	.72	.22
85 90	21.51	13.68	8.72	5.57	3.57	2.29	1.47	.95	.61	.21
90 95	7.98	5.24	3.43	2.25	1.48	.97	.64	.42	.28	.10
95 100	7.63	5.11	3.42	2.29	1.53	1.03	.69	.46	.31	.11
100 105	3.85	2.57	1.72	1.15	.77	.51	.34	.23	.15	.06
105 110	5.59	3.88	2.70	1.88	1.31	.91	.63	.44	.31	.12
110 115	5.75	3.92	2.67	1.82	1.24	.84	.58	.39	.27	.10
115 120	1.91	1.31	.90	.62	.43	.29	.20	.14	.10	.04
120 125	3.67	2.57	1.79	1.25	.88	.61	.43	.30	.21	.09
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	5.46	3.84	2.70	1.90	1.33	.94	.66	.47	.33	.14
140 145	3.53	2.51	1.79	1.27	.90	.64	.46	.32	.23	.10
145 150	0	0	0	0	0	0	0	0	0	0
150 155	1.77	1.26	.90	.64	.45	.32	.23	.16	.12	.05
155 160	0	0	0	0	0	0	0	0	0	0
160 165	3.36	2.44	1.77	1.28	.93	.68	.49	.36	.26	.12
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	1.55	1.15	.85	.63	.47	.34	.25	.19	.14	.07
190 195	1.53	1.14	.84	.62	.46	.34	.25	.19	.14	.07
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	1.69	1.20	.86	.61	.43	.31	.22	.16	.11	.05
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	1.61	1.19	.88	.65	.48	.36	.26	.20	.15	.07
245 250	1.61	1.19	.88	.65	.48	.36	.26	.20	.15	.07
250 255	0	0	0	0	0	0	0	0	0	0
255 260	3.16	2.34	1.73	1.28	.95	.70	.52	.38	.28	.13
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	18.23	5.74	1.81	.57	.18	.06	.02	.01	.00	.00
340 345	8.92	3.27	1.20	.44	.16	.06	.02	.01	.00	.00
345 350	10.19	4.03	1.61	.65	.26	.11	.04	.02	.01	.00
350 355	12.83	4.18	1.34	.48	.17	.06	.02	.01	.00	.00
355 360	9.29	3.36	1.24	.47	.18	.07	.03	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	544.92	254.16	126.96	67.25	37.33	21.48	12.72	7.70	4.74	1.51
PHASE (IN HOURS)	2.56	3.07	3.56	4.03	4.45	4.83	5.17	5.50	5.81	6.57
SECOND HARMONIC										
AMPLITUDE	328.52	159.33	84.47	47.48	27.66	16.48	9.98	6.12	3.80	1.20
PHASE (IN HOURS)	2.59	3.10	3.54	3.89	4.18	4.41	4.60	4.76	4.91	5.20

MURCHISON BAY, NORWAY

GEOGRAPHIC LATITUDE = 80.05 GEOGRAPHIC LONGITUDE = 18.25

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	1.05	.52	.25	.12	.06	.03	.01	.01	.00	.00
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	1.96	.60	.18	.05	.02	.01	.00	.00	.00	.00
25 30	9.83	5.04	2.64	1.41	.76	.41	.22	.12	.07	.02
30 35	1.75	.64	.24	.09	.03	.01	.00	.00	.00	.00
35 40	3.37	1.65	.81	.40	.20	.10	.05	.02	.01	.00
40 45	15.78	7.89	3.99	2.05	1.06	.56	.29	.16	.08	.02
45 50	26.07	10.99	4.79	2.17	1.03	.51	.27	.15	.08	.02
50 55	23.14	9.80	4.46	2.18	1.14	.63	.37	.22	.13	.04
55 60	32.12	15.97	8.77	5.16	3.18	2.01	1.30	.84	.56	.20
60 65	25.21	15.64	9.83	6.26	4.04	2.64	1.75	1.17	.80	.32
65 70	19.23	13.26	9.27	6.57	4.71	3.42	2.51	1.85	1.38	.69
70 75	7.72	5.42	3.86	2.79	2.04	1.52	1.16	.90	.71	.42
75 80	10.39	5.98	3.51	2.10	1.28	.80	.52	.34	.23	.10
80 85	3.47	2.15	1.34	.84	.53	.34	.22	.14	.09	.03
85 90	2.84	1.50	.81	.45	.25	.15	.09	.05	.03	.01
90 95	6.11	3.05	1.52	.77	.39	.20	.10	.05	.03	.01
95 100	2.16	1.08	.55	.28	.15	.08	.04	.02	.01	.00
100 105	4.27	1.92	.87	.39	.18	.08	.04	.02	.01	.00
105 110	5.77	2.75	1.34	.67	.34	.17	.09	.05	.02	.01
110 115	4.66	1.87	.76	.31	.13	.05	.02	.01	.00	.00
115 120	7.50	2.71	1.01	.38	.15	.06	.02	.01	.00	.00
120 125	4.75	1.92	.78	.31	.13	.05	.02	.01	.00	.00
125 130	0	0	0	0	0	0	0	0	0	0
130 135	6.08	2.34	.91	.36	.15	.06	.02	.01	.00	.00
135 140	11.23	4.47	1.89	.84	.40	.19	.10	.05	.03	.00
140 145	2.38	.70	.21	.06	.02	.01	.00	.00	.00	.00
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	.46	.22	.10	.05	.02	.01	.00	.00	.00	.00
160 165	0	0	0	0	0	0	0	0	0	0
165 170	1.75	.86	.42	.21	.10	.05	.02	.01	.01	.00
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	.31	.14	.06	.03	.01	.01	.00	.00	.00	.00
185 190	0	0	0	0	0	0	0	0	0	0
190 195	1.36	.64	.30	.14	.06	.03	.01	.01	.00	.00
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	1.41	.63	.28	.13	.06	.02	.01	.00	.00	.00
210 215	0	0	0	0	0	0	0	0	0	0
215 220	1.03	.45	.19	.08	.04	.02	.01	.00	.00	.00
220 225	.92	.39	.16	.07	.03	.01	.01	.00	.00	.00
225 230	1.06	.44	.18	.07	.03	.01	.01	.00	.00	.00
230 235	2.52	1.01	.41	.16	.07	.03	.01	.00	.00	.00
235 240	.22	.09	.04	.02	.01	.00	.00	.00	.00	.00
240 245	4.22	1.55	.57	.21	.08	.03	.01	.00	.00	.00
245 250	.73	.29	.12	.05	.02	.01	.00	.00	.00	.00
250 255	3.69	1.22	.41	.13	.04	.01	.00	.00	.00	.00
255 260	5.07	1.54	.47	.14	.04	.01	.00	.00	.00	.00
260 265	0	0	0	0	0	0	0	0	0	0
265 270	1.49	.55	.20	.07	.03	.01	.00	.00	.00	.00
270 275	0	0	0	0	0	0	0	0	0	0
275 280	2.66	.86	.28	.09	.03	.01	.00	.00	.00	.00
280 285	1.00	.29	.09	.03	.01	.00	.00	.00	.00	.00
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	1.03	.54	.28	.15	.08	.04	.02	.01	.01	.00
320 325	1.76	.86	.42	.21	.10	.05	.02	.01	.01	.00
325 330	1.73	.81	.38	.18	.08	.04	.02	.01	.00	.00
330 335	4.51	1.96	.86	.37	.16	.07	.03	.01	.01	.00
335 340	5.05	2.04	.83	.33	.14	.05	.02	.01	.00	.00
340 345	19.29	6.41	2.14	.72	.24	.08	.03	.01	.00	.00
345 350	0	0	0	0	0	0	0	0	0	0
350 355	18.82	6.88	2.57	.98	.38	.15	.06	.02	.01	.00
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	192.70	100.92	56.52	33.45	20.71	13.30	8.82	6.00	4.19	1.87
PHASE (IN HOURS)	2.42	2.64	2.80	2.92	3.00	3.06	3.10	3.14	3.17	3.24
SECOND HARMONIC										
AMPLITUDE	113.51	67.56	41.76	26.62	17.41	11.65	7.96	5.54	3.93	1.80
PHASE (IN HOURS)	2.77	2.87	2.94	3.00	3.04	3.08	3.12	3.15	3.17	3.25

ORSAY,FRANCE

GEOGRAPHIC LATITUDE = 48.42 GEOGRAPHIC LONGITUDE = 2.12

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	10.85	3.91	1.44	.54	.21	.08	.03	.01	.01	.00
5 10	24.77	8.59	3.10	1.17	.46	.19	.08	.04	.02	.00
10 15	56.49	19.04	6.45	2.20	.76	.26	.09	.03	.01	.00
15 20	38.54	15.40	6.18	2.49	1.01	.41	.17	.07	.03	.00
20 25	21.19	9.17	3.98	1.74	.76	.33	.15	.06	.03	.00
25 30	22.59	10.36	4.78	2.21	1.03	.48	.23	.11	.05	.01
30 35	33.24	13.92	6.13	2.82	1.34	.65	.32	.16	.08	.02
35 40	12.69	5.09	2.07	.85	.35	.15	.06	.03	.01	.00
40 45	30.75	15.37	7.83	4.07	2.17	1.18	.66	.38	.23	.08
45 50	16.95	8.58	4.41	2.30	1.22	.65	.35	.19	.10	.02
50 55	40.59	19.75	10.13	5.40	2.97	1.67	.96	.57	.34	.11
55 60	54.20	25.58	12.57	6.39	3.35	1.79	.98	.54	.30	.07
60 65	51.92	28.01	15.39	8.59	4.86	2.78	1.61	.94	.55	.15
65 70	58.06	33.88	19.99	11.92	7.18	4.36	2.68	1.65	1.03	.33
70 75	36.98	21.52	12.69	7.57	4.57	2.79	1.72	1.06	.67	.21
75 80	19.16	12.26	7.85	5.03	3.23	2.07	1.33	.86	.55	.19
80 85	7.49	5.01	3.35	2.25	1.50	1.01	.68	.45	.30	.11
85 90	5.61	3.72	2.47	1.64	1.08	.72	.48	.32	.21	.08
90 95	5.48	3.81	2.65	1.84	1.28	.89	.62	.43	.30	.12
95 100	7.50	5.12	3.50	2.39	1.63	1.11	.76	.52	.36	.14
100 105	3.59	2.51	1.75	1.23	.86	.60	.42	.29	.21	.08
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	5.31	3.74	2.63	1.85	1.30	.91	.64	.45	.32	.13
120 125	3.44	2.45	1.74	1.24	.88	.63	.44	.32	.22	.10
125 130	1.72	1.22	.87	.62	.44	.31	.22	.16	.11	.05
130 135	0	0	0	0	0	0	0	0	0	0
135 140	3.16	2.29	1.66	1.20	.87	.63	.46	.33	.24	.11
140 145	0	0	0	0	0	0	0	0	0	0
145 150	2.83	2.09	1.55	1.15	.85	.63	.46	.34	.25	.12
150 155	.65	.51	.40	.31	.24	.19	.15	.11	.09	.05
155 160	0	0	0	0	0	0	0	0	0	0
160 165	3.08	2.23	1.62	1.17	.85	.62	.45	.32	.24	.11
165 170	1.39	1.03	.76	.56	.42	.31	.23	.17	.12	.06
170 175	2.73	2.02	1.49	1.11	.82	.61	.45	.33	.25	.12
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	1.41	1.04	.77	.57	.42	.31	.23	.17	.13	.06
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	.62	.48	.38	.29	.23	.18	.14	.11	.08	.04
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	17.81	5.61	1.77	.56	.18	.06	.02	.01	.00	.00
330 335	8.70	3.19	1.17	.43	.16	.06	.02	.01	.00	.00
335 340	9.86	3.90	1.56	.63	.25	.10	.04	.02	.01	.00
340 345	7.47	2.51	.87	.31	.12	.05	.02	.01	.00	.00
345 350	13.99	4.80	1.68	.60	.22	.08	.03	.01	.01	.00
350 355	12.06	4.63	1.80	.71	.29	.12	.05	.02	.01	.00
355 360	8.88	3.32	1.26	.49	.19	.08	.03	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	541.20	256.10	130.31	70.53	40.10	23.68	14.41	8.97	5.70	1.96
PHASE (IN HOURS)	2.60	3.11	3.61	4.07	4.48	4.83	5.15	5.43	5.69	6.27
SECOND HARMONIC										
AMPLITUDE	319.44	155.13	82.07	45.88	26.52	15.65	9.38	5.68	3.48	1.06
PHASE (IN HOURS)	2.59	3.09	3.52	3.88	4.17	4.41	4.61	4.80	4.98	5.39

OTTAWA,CANADA

GEOGRAPHIC LATITUDE = 45.40 GEOGRAPHIC LONGITUDE = -75.60

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	1.11	.93	.77	.64	.53	.44	.37	.31	.26	.16
5 10	1.11	.92	.77	.64	.53	.44	.37	.31	.26	.16
10 15	.37	.31	.25	.21	.18	.15	.12	.10	.08	.05
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	.05	.05	.04	.04	.04	.03	.03	.03	.03	.02
55 60	.21	.19	.18	.16	.15	.14	.13	.12	.11	.09
60 65	.10	.09	.09	.08	.07	.07	.06	.06	.05	.04
65 70	.10	.09	.09	.08	.07	.07	.06	.06	.05	.04
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	15.47	4.87	1.54	.49	.15	.05	.02	.00	.00	.00
245 250	7.42	2.72	1.00	.37	.13	.05	.02	.01	.00	.00
250 255	5.75	2.33	.94	.38	.15	.06	.03	.01	.00	.00
255 260	1.55	.65	.28	.12	.05	.02	.01	.00	.00	.00
260 265	5.49	1.85	.65	.24	.09	.03	.01	.01	.00	.00
265 270	19.82	6.94	2.46	.89	.32	.12	.05	.02	.01	.00
270 275	0	0	0	0	0	0	0	0	0	0
275 280	9.69	4.08	1.72	.73	.31	.13	.06	.02	.01	.00
280 285	48.61	17.05	6.08	2.20	.81	.30	.11	.04	.02	.00
285 290	60.53	22.71	8.76	3.47	1.41	.59	.25	.11	.05	.01
290 295	33.84	14.14	6.09	2.69	1.22	.56	.27	.13	.06	.01
295 300	22.47	9.91	4.49	2.09	.99	.48	.24	.12	.06	.01
300 305	14.95	6.57	2.96	1.36	.64	.31	.15	.08	.04	.01
305 310	23.37	9.74	4.33	2.03	.99	.50	.26	.13	.07	.02
310 315	43.51	19.17	8.89	4.33	2.21	1.17	.64	.36	.21	.05
315 320	76.98	43.35	24.97	14.64	8.70	5.23	3.18	1.94	1.19	.36
320 325	97.35	57.31	34.13	20.55	12.51	7.68	4.76	2.98	1.88	.61
325 330	84.82	39.01	19.22	10.10	5.62	3.28	1.99	1.24	.79	.28
330 335	43.26	28.00	18.46	12.38	8.41	5.78	4.01	2.80	1.97	.83
335 340	11.78	7.03	4.40	2.87	1.93	1.33	.93	.66	.48	.22
340 345	11.11	6.46	3.96	2.56	1.74	1.22	.89	.66	.49	.25
345 350	13.21	6.96	3.87	2.29	1.44	.96	.67	.49	.36	.18
350 355	.82	.64	.50	.39	.30	.24	.18	.14	.11	.06
355 360	.74	.62	.52	.43	.36	.30	.25	.21	.17	.11
FIRST HARMONIC										
AMPLITUDE	599.62	290.62	151.54	84.22	49.34	30.16	19.09	12.43	8.30	3.29
PHASE (IN HOURS)	1.68	1.95	2.21	2.43	2.62	2.79	2.95	3.10	3.24	3.63
SECOND HARMONIC										
AMPLITUDE	462.65	232.90	126.09	72.25	43.21	26.71	16.95	10.99	7.26	2.75
PHASE (IN HOURS)	1.80	2.06	2.29	2.48	2.64	2.78	2.90	3.01	3.12	3.40

OULU,FINLAND

GEOGRAPHIC LATITUDE = 65.00 GEOGRAPHIC LONGITUDE = 25.42

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	12.16	3.81	1.20	.38	.12	.04	.01	.00	.00	.00
5 10	11.74	4.59	1.83	.74	.30	.13	.05	.02	.01	.00
10 15	3.76	1.44	.56	.22	.09	.03	.01	.01	.00	.00
15 20	1.34	.58	.25	.11	.05	.02	.01	.00	.00	.00
20 25	1.50	.67	.30	.14	.06	.03	.01	.01	.00	.00
25 30	4.00	1.48	.58	.24	.10	.04	.02	.01	.00	.00
30 35	8.24	2.73	.91	.30	.10	.03	.01	.00	.00	.00
35 40	25.21	8.55	2.92	1.00	.35	.12	.04	.01	.01	.00
40 45	76.71	31.84	13.66	6.04	2.75	1.28	.61	.30	.15	.03
45 50	13.12	6.28	3.03	1.48	.73	.37	.19	.10	.05	.01
50 55	14.21	7.52	4.02	2.17	1.18	.64	.36	.20	.11	.03
55 60	20.35	11.59	6.70	3.92	2.32	1.39	.84	.51	.31	.09
60 65	63.09	38.43	23.53	14.48	8.95	5.55	3.45	2.15	1.35	.42
65 70	58.86	33.28	19.67	11.97	7.42	4.67	2.97	1.91	1.24	.43
70 75	60.06	35.67	22.16	14.26	9.44	6.37	4.37	3.04	2.13	.90
75 80	25.46	15.07	9.33	6.02	4.02	2.75	1.93	1.37	.99	.46
80 85	19.78	11.27	6.68	4.14	2.68	1.81	1.26	.91	.67	.33
85 90	9.65	4.82	2.56	1.48	.93	.64	.47	.37	.29	.18
90 95	17.47	7.87	3.96	2.29	1.51	1.10	.85	.69	.56	.35
95 100	15.80	5.82	2.28	.96	.43	.21	.10	.06	.03	.01
100 105	0	0	0	0	0	0	0	0	0	0
105 110	2.59	1.27	.62	.31	.15	.07	.04	.02	.01	.00
110 115	0	0	0	0	0	0	0	0	0	0
115 120	1.67	.85	.46	.27	.18	.14	.11	.09	.08	.07
120 125	.20	.19	.17	.16	.15	.14	.12	.12	.11	.09
125 130	1.07	.53	.28	.17	.11	.09	.07	.06	.05	.04
130 135	0	0	0	0	0	0	0	0	0	0
135 140	.66	.28	.12	.05	.02	.01	.00	.00	.00	.00
140 145	0	0	0	0	0	0	0	0	0	0
145 150	.45	.19	.08	.03	.01	.01	.00	.00	.00	.00
150 155	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
155 160	.33	.14	.06	.02	.01	.00	.00	.00	.00	.00
160 165	0	0	0	0	0	0	0	0	0	0
165 170	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
170 175	.85	.34	.14	.05	.02	.01	.00	.00	.00	.00
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	1.16	.42	.16	.06	.02	.01	.00	.00	.00	.00
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
245 250	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
250 255	1.30	.43	.14	.05	.02	.01	.00	.00	.00	.00
255 260	0	0	0	0	0	0	0	0	0	0
260 265	1.10	.34	.11	.03	.01	.00	.00	.00	.00	.00
265 270	.98	.29	.08	.02	.01	.00	.00	.00	.00	.00
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
290 295	0	0	0	0	0	0	0	0	0	0
295 300	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
335 340	0	0	0	0	0	0	0	0	0	0
340 345	21.55	7.15	2.39	.80	.27	.09	.03	.01	.00	.00
345 350	8.45	3.49	1.44	.60	.25	.10	.04	.02	.01	.00
350 355	1.68	.75	.34	.15	.07	.03	.01	.01	.00	.00
355 360	1.78	.83	.39	.18	.08	.04	.02	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	439.95	223.88	122.08	70.52	42.70	26.85	17.42	11.60	7.90	3.29
PHASE (IN HOURS)	2.03	2.27	2.47	2.63	2.77	2.89	2.99	3.09	3.18	3.43
SECOND HARMONIC										
AMPLITUDE	322.02	176.20	101.83	61.37	38.23	24.47	16.03	10.73	7.31	3.01
PHASE (IN HOURS)	2.26	2.45	2.60	2.72	2.83	2.92	3.00	3.09	3.18	3.41

PIC DU MIDI,FRANCE

GEOGRAPHIC LATITUDE = 42.93 GEOGRAPHIC LONGITUDE = 0.25

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	14.88	4.89	1.63	.55	.19	.07	.02	.01	.00	.00
5 10	34.64	11.29	3.72	1.24	.42	.14	.05	.02	.01	.00
10 15	66.01	23.82	8.73	3.26	1.24	.48	.19	.08	.03	.00
15 20	36.60	14.98	6.15	2.53	1.05	.43	.18	.08	.03	.00
20 25	21.82	9.38	4.04	1.74	.75	.33	.14	.06	.03	.00
25 30	33.59	13.15	5.35	2.25	.97	.43	.19	.09	.04	.01
30 35	24.24	10.71	4.83	2.22	1.04	.49	.24	.12	.06	.01
35 40	23.54	11.04	5.23	2.50	1.21	.59	.29	.14	.07	.01
40 45	28.74	13.70	6.59	3.20	1.57	.78	.39	.19	.10	.02
45 50	32.53	13.10	5.61	2.54	1.21	.60	.30	.16	.08	.02
50 55	37.95	18.29	9.03	4.55	2.34	1.22	.64	.34	.18	.04
55 60	28.11	13.57	6.70	3.38	1.74	.91	.49	.26	.14	.03
60 65	32.93	17.20	9.08	4.84	2.60	1.41	.77	.42	.23	.05
65 70	25.36	13.33	7.08	3.79	2.05	1.12	.62	.34	.19	.05
70 75	25.19	13.91	7.73	4.32	2.43	1.37	.78	.44	.25	.06
75 80	28.65	16.77	9.89	5.89	3.53	2.14	1.31	.81	.51	.16
80 85	12.84	7.75	4.69	2.84	1.72	1.04	.63	.39	.23	.07
85 90	9.45	5.55	3.26	1.92	1.14	.67	.40	.24	.14	.04
90 95	19.61	12.16	7.56	4.70	2.93	1.83	1.14	.71	.45	.14
95 100	6.66	4.34	2.83	1.85	1.21	.79	.52	.34	.22	.08
100 105	12.02	7.50	4.69	2.93	1.84	1.15	.73	.46	.29	.09
105 110	12.13	7.96	5.25	3.47	2.30	1.53	1.02	.69	.46	.17
110 115	16.76	10.97	7.19	4.71	3.09	2.03	1.34	.88	.58	.21
115 120	0	0	0	0	0	0	0	0	0	0
120 125	6.75	4.40	2.87	1.88	1.23	.80	.52	.34	.22	.08
125 130	7.34	4.96	3.35	2.26	1.53	1.04	.70	.47	.32	.12
130 135	2.06	1.34	.87	.57	.37	.24	.16	.10	.07	.02
135 140	5.03	3.42	2.32	1.58	1.07	.73	.49	.34	.23	.09
140 145	2.75	1.89	1.30	.89	.61	.42	.29	.20	.14	.05
145 150	5.67	3.97	2.78	1.94	1.36	.95	.67	.47	.33	.14
150 155	0	0	0	0	0	0	0	0	0	0
155 160	4.95	3.36	2.28	1.55	1.05	.71	.49	.33	.22	.09
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	2.64	1.82	1.25	.86	.59	.41	.28	.19	.13	.05
175 180	0	0	0	0	0	0	0	0	0	0
180 185	5.53	3.87	2.71	1.90	1.33	.93	.65	.46	.32	.13
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	2.96	2.10	1.50	1.06	.76	.54	.38	.27	.19	.08
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	19.13	6.03	1.90	.60	.19	.06	.02	.01	.00	.00
330 335	9.66	3.55	1.30	.48	.18	.06	.02	.01	.00	.00
335 340	7.80	3.15	1.28	.52	.21	.08	.03	.01	.01	.00
340 345	14.58	4.99	1.76	.64	.24	.09	.04	.01	.01	.00
345 350	11.76	4.16	1.51	.56	.21	.08	.03	.01	.01	.00
350 355	10.85	3.87	1.39	.50	.18	.07	.02	.01	.00	.00
355 360	16.02	6.17	2.43	.98	.40	.17	.07	.03	.01	.00
FIRST HARMONIC										
AMPLITUDE	538.78	245.34	120.94	63.99	35.82	20.90	12.58	7.74	4.84	1.58
PHASE (IN HOURS)	2.83	3.49	4.17	4.79	5.35	5.82	6.22	6.55	6.84	7.41
SECOND HARMONIC										
AMPLITUDE	252.49	102.13	48.01	26.22	15.71	9.84	6.28	4.06	2.64	.93
PHASE (IN HOURS)	2.37	3.09	3.89	4.64	5.23	5.70	6.07	6.37	6.62	7.10

RESOLUTE,CANADA

GEOGRAPHIC LATITUDE = 74.69 GEOGRAPHIC LONGITUDE = -94.91

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	6.42	2.60	1.08	.46	.20	.09	.04	.02	.01	.00
5 10	6.65	2.14	.69	.22	.07	.02	.01	.00	.00	.00
10 15	2.24	.66	.19	.06	.02	.00	.00	.00	.00	.00
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	1.02	.50	.25	.12	.06	.03	.01	.01	.00	.00
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	.83	.39	.18	.08	.04	.02	.01	.00	.00	.00
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	.77	.34	.15	.07	.03	.01	.01	.00	.00	.00
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	.73	.32	.14	.06	.03	.01	.00	.00	.00	.00
115 120	.68	.29	.12	.05	.02	.01	.00	.00	.00	.00
120 125	.63	.26	.11	.04	.02	.01	.00	.00	.00	.00
125 130	1.98	.80	.32	.13	.05	.02	.01	.00	.00	.00
130 135	0	0	0	0	0	0	0	0	0	0
135 140	3.54	1.30	.48	.18	.06	.02	.01	.00	.00	.00
140 145	0	0	0	0	0	0	0	0	0	0
145 150	5.60	1.81	.58	.19	.06	.02	.01	.00	.00	.00
150 155	2.01	.59	.17	.05	.02	.00	.00	.00	.00	.00
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	5.99	2.04	.70	.25	.09	.03	.01	.00	.00	.00
195 200	.19	.08	.03	.01	.01	.00	.00	.00	.00	.00
200 205	1.90	1.00	.53	.28	.14	.08	.04	.02	.01	.00
205 210	2.62	1.28	.62	.30	.15	.07	.04	.02	.01	.00
210 215	4.25	1.95	.89	.41	.19	.09	.04	.02	.01	.00
215 220	3.45	1.48	.63	.27	.12	.05	.02	.01	.00	.00
220 225	6.57	2.77	1.18	.51	.22	.10	.05	.02	.01	.00
225 230	17.72	6.03	2.06	.71	.24	.08	.03	.01	.00	.00
230 235	10.88	4.37	1.82	.78	.35	.15	.07	.03	.01	.00
235 240	17.84	6.63	2.52	.99	.40	.17	.07	.03	.01	.00
240 245	2.55	.75	.22	.07	.02	.01	.00	.00	.00	.00
245 250	5.12	2.97	1.73	1.01	.59	.35	.21	.12	.07	.02
250 255	5.36	2.94	1.62	.90	.51	.29	.16	.09	.05	.01
255 260	5.66	3.51	2.20	1.39	.90	.58	.38	.25	.17	.07
260 265	12.02	6.76	3.86	2.24	1.32	.79	.48	.30	.19	.07
265 270	21.22	10.78	6.15	3.87	2.61	1.85	1.35	1.02	.78	.44
270 275	35.45	21.88	13.95	9.15	6.15	4.22	2.94	2.09	1.50	.70
275 280	29.00	15.86	8.91	5.13	3.02	1.81	1.11	.69	.44	.15
280 285	18.97	8.91	4.49	2.43	1.41	.86	.55	.36	.24	.09
285 290	29.17	11.76	5.06	2.34	1.15	.60	.33	.19	.11	.03
290 295	16.29	6.76	3.10	1.57	.87	.51	.31	.19	.12	.04
295 300	6.38	2.48	1.05	.47	.23	.11	.06	.03	.02	.00
300 305	1.66	.96	.55	.32	.18	.11	.06	.03	.02	.01
305 310	4.58	2.44	1.30	.69	.37	.20	.11	.06	.03	.01
310 315	2.14	1.05	.52	.25	.12	.06	.03	.01	.01	.00
315 320	4.04	2.05	1.04	.54	.28	.14	.07	.04	.02	.00
320 325	3.04	1.33	.58	.25	.11	.05	.02	.01	.00	.00
325 330	7.05	3.31	1.57	.76	.37	.18	.09	.05	.02	.00
330 335	7.64	2.56	.86	.29	.10	.03	.01	.00	.00	.00
335 340	2.31	1.08	.50	.24	.11	.05	.02	.01	.01	.00
340 345	1.86	.83	.37	.17	.08	.03	.02	.01	.00	.00
345 350	2.90	1.24	.53	.23	.10	.04	.02	.01	.00	.00
350 355	4.49	1.81	.73	.30	.12	.05	.02	.01	.00	.00
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	238.33	116.56	61.41	34.56	20.56	12.80	8.28	5.52	3.78	1.63
PHASE (IN HOURS)	.53	.57	.60	.61	.61	.60	.59	.57	.56	.51
SECOND HARMONIC										
AMPLITUDE	135.58	74.74	43.60	26.62	16.86	11.00	7.37	5.04	3.52	1.56
PHASE (IN HOURS)	.60	.60	.61	.60	.59	.58	.57	.56	.54	.50

REYKJAVIK, ICELAND

GEOGRAPHIC LATITUDE = 64.09 GEOGRAPHIC LONGITUDE = -21.58

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	7.98	4.12	2.15	1.13	.60	.32	.17	.09	.05	.01
5 10	6.61	3.22	1.58	.78	.39	.20	.10	.05	.03	.00
10 15	17.14	9.79	5.66	3.31	1.95	1.16	.70	.42	.26	.08
15 20	58.06	35.50	22.02	13.79	8.68	5.49	3.48	2.21	1.41	.46
20 25	68.22	38.05	22.09	13.20	8.07	5.01	3.16	2.02	1.30	.46
25 30	46.18	28.80	18.64	12.41	8.45	5.85	4.10	2.90	2.06	.90
30 35	34.42	21.03	13.38	8.85	6.05	4.27	3.08	2.27	1.70	.87
35 40	9.13	5.13	3.03	1.90	1.26	.89	.66	.51	.40	.24
40 45	16.93	8.33	4.14	2.08	1.06	.55	.29	.16	.10	.04
45 50	26.70	9.76	3.74	1.57	.76	.45	.32	.26	.23	.18
50 55	3.87	2.04	1.07	.56	.30	.15	.08	.04	.02	.00
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	2.55	1.27	.65	.34	.19	.12	.08	.06	.06	.05
70 75	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04
75 80	0	0	0	0	0	0	0	0	0	0
80 85	1.46	.68	.32	.15	.07	.03	.02	.01	.00	.00
85 90	0	0	0	0	0	0	0	0	0	0
90 95	.92	.41	.19	.08	.04	.02	.01	.00	.00	.00
95 100	0	0	0	0	0	0	0	0	0	0
100 105	.62	.27	.12	.05	.02	.01	.00	.00	.00	.00
105 110	0	0	0	0	0	0	0	0	0	0
110 115	.44	.18	.08	.03	.01	.01	.00	.00	.00	.00
115 120	0	0	0	0	0	0	0	0	0	0
120 125	.32	.13	.05	.02	.01	.00	.00	.00	.00	.00
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	.86	.34	.14	.06	.02	.01	.00	.00	.00	.00
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	1.27	.47	.17	.06	.02	.01	.00	.00	.00	.00
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	1.38	.46	.15	.05	.02	.01	.00	.00	.00	.00
215 220	0	0	0	0	0	0	0	0	0	0
220 225	2.17	.66	.20	.06	.02	.01	.00	.00	.00	.00
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	31.77	11.41	4.17	1.55	.58	.22	.09	.03	.01	.00
300 305	1.64	.76	.36	.17	.08	.04	.02	.01	.00	.00
305 310	0	0	0	0	0	0	0	0	0	0
310 315	14.00	4.67	1.60	.57	.21	.08	.03	.01	.01	.00
315 320	6.69	2.38	.85	.31	.11	.04	.01	.01	.00	.00
320 325	6.93	2.71	1.07	.42	.17	.07	.03	.01	.00	.00
325 330	1.26	.55	.24	.10	.04	.02	.01	.00	.00	.00
330 335	1.37	.61	.28	.12	.06	.02	.01	.01	.00	.00
335 340	3.25	1.35	.57	.24	.10	.05	.02	.01	.00	.00
340 345	8.83	2.78	.88	.28	.09	.03	.01	.00	.00	.00
345 350	4.50	1.65	.61	.22	.08	.03	.01	.00	.00	.00
350 355	81.77	31.22	12.29	4.99	2.08	.90	.39	.18	.08	.01
355 360	17.83	8.18	3.81	1.79	.86	.42	.20	.10	.05	.01
FIRST HARMONIC										
AMPLITUDE	414.71	210.46	114.81	66.50	40.42	25.55	16.67	11.18	7.68	3.30
PHASE (IN HOURS)	2.08	2.35	2.57	2.74	2.87	2.97	3.05	3.13	3.20	3.38
SECOND HARMONIC										
AMPLITUDE	292.90	161.95	94.77	57.83	36.45	23.60	15.65	10.59	7.31	3.13
PHASE (IN HOURS)	2.36	2.57	2.74	2.85	2.94	3.02	3.08	3.14	3.20	3.37

RIO DE JANEIRO,BRAZIL

GEOGRAPHIC LATITUDE = -22.90 GEOGRAPHIC LONGITUDE = -43.22

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	37.34	17.36	8.18	3.90	1.88	.92	.45	.23	.11	.02
5 10	17.49	8.12	3.82	1.83	.89	.44	.22	.11	.06	.01
10 15	53.05	26.58	13.39	6.78	3.45	1.76	.90	.47	.24	.05
15 20	18.80	9.87	5.19	2.72	1.43	.75	.39	.21	.11	.02
20 25	14.94	7.85	4.17	2.23	1.21	.66	.36	.20	.11	.03
25 30	9.61	5.05	2.65	1.39	.73	.38	.20	.11	.06	.01
30 35	24.34	12.67	6.61	3.46	1.81	.95	.50	.26	.14	.03
35 40	16.52	9.29	5.22	2.94	1.65	.93	.52	.30	.17	.04
40 45	12.80	7.39	4.28	2.48	1.44	.83	.49	.28	.16	.04
45 50	16.18	9.11	5.13	2.89	1.63	.92	.52	.29	.16	.04
50 55	0	0	0	0	0	0	0	0	0	0
55 60	18.35	9.96	5.41	2.94	1.60	.87	.48	.26	.14	.03
60 65	9.83	5.78	3.40	2.00	1.18	.69	.41	.24	.14	.04
65 70	8.24	4.79	2.79	1.62	.94	.55	.32	.19	.11	.03
70 75	4.24	2.47	1.44	.84	.49	.28	.16	.10	.06	.01
75 80	3.90	2.27	1.32	.77	.45	.26	.15	.09	.05	.01
80 85	6.27	3.71	2.20	1.31	.78	.46	.28	.17	.10	.03
85 90	0	0	0	0	0	0	0	0	0	0
90 95	4.42	2.57	1.50	.87	.51	.29	.17	.10	.06	.01
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	6.01	3.34	1.85	1.03	.57	.32	.18	.10	.05	.01
110 115	13.15	7.87	4.71	2.82	1.69	1.01	.61	.36	.22	.06
115 120	4.40	2.56	1.49	.87	.50	.29	.17	.10	.06	.01
120 125	0	0	0	0	0	0	0	0	0	0
125 130	6.82	4.08	2.44	1.46	.88	.52	.31	.19	.11	.03
130 135	9.82	5.94	3.60	2.18	1.32	.80	.48	.29	.18	.05
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	3.54	2.01	1.14	.65	.37	.21	.12	.07	.04	.01
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	32.45	10.23	3.23	1.02	.32	.10	.03	.01	.00	.00
290 295	16.67	6.12	2.25	.82	.30	.11	.04	.01	.01	.00
295 300	10.60	4.26	1.72	.69	.28	.11	.04	.02	.01	.00
300 305	26.03	8.75	3.01	1.06	.38	.14	.05	.02	.01	.00
305 310	35.22	12.75	4.65	1.71	.64	.24	.09	.03	.01	.00
310 315	5.34	2.40	1.07	.48	.22	.10	.04	.02	.01	.00
315 320	79.49	27.50	9.76	3.56	1.33	.51	.20	.08	.03	.00
320 325	104.13	35.30	12.09	4.18	1.46	.52	.18	.07	.02	.00
325 330	77.39	29.49	11.48	4.56	1.85	.77	.32	.14	.06	.01
330 335	61.19	24.15	9.63	3.87	1.57	.64	.27	.11	.05	.01
335 340	87.98	33.20	12.79	5.02	2.01	.81	.33	.14	.06	.01
340 345	48.95	21.46	9.59	4.37	2.03	.95	.46	.22	.11	.02
345 350	47.11	20.53	8.99	3.96	1.75	.78	.35	.16	.07	.01
350 355	50.61	19.94	8.15	3.44	1.49	.66	.30	.13	.06	.01
355 360	68.58	29.00	12.63	5.65	2.59	1.21	.58	.28	.14	.02
FIRST HARMONIC										
AMPLITUDE	839.14	339.95	144.78	64.96	30.65	15.12	7.74	4.08	2.20	.50
PHASE (IN HOURS)	2.00	2.44	2.95	3.48	4.02	4.53	5.00	5.41	5.78	6.51
SECOND HARMONIC										
AMPLITUDE	568.23	212.79	82.23	32.92	13.70	5.94	2.68	1.26	.62	.12
PHASE (IN HOURS)	1.43	1.68	1.98	2.32	2.70	3.11	3.54	3.98	4.43	5.51

ROME,ITALY

GEOGRAPHIC LATITUDE = 41.90 GEOGRAPHIC LONGITUDE = 12.52

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	15.43	5.79	2.20	.84	.33	.13	.05	.02	.01	.00
5 10	6.31	2.54	1.02	.41	.17	.07	.03	.01	.00	.00
10 15	18.83	6.89	2.60	1.02	.41	.17	.07	.03	.01	.00
15 20	33.27	10.79	3.54	1.18	.40	.14	.05	.02	.01	.00
20 25	66.49	23.16	8.25	3.01	1.13	.44	.17	.07	.03	.00
25 30	40.60	15.46	5.90	2.26	.86	.33	.13	.05	.02	.00
30 35	31.02	12.89	5.38	2.25	.95	.40	.17	.07	.03	.00
35 40	38.69	15.46	6.33	2.64	1.12	.48	.21	.09	.04	.01
40 45	28.61	12.56	5.66	2.61	1.23	.59	.28	.14	.07	.01
45 50	28.89	12.71	5.68	2.57	1.18	.55	.26	.12	.06	.01
50 55	30.61	14.14	6.64	3.16	1.52	.74	.37	.18	.09	.02
55 60	29.45	13.62	6.51	3.19	1.59	.80	.41	.21	.11	.02
60 65	42.47	17.10	7.20	3.17	1.46	.70	.34	.17	.09	.02
65 70	38.53	18.77	9.27	4.63	2.34	1.20	.62	.32	.17	.03
70 75	19.20	9.79	5.08	2.68	1.44	.78	.43	.24	.13	.03
75 80	39.48	20.65	10.90	5.80	3.11	1.68	.91	.50	.27	.06
80 85	28.11	14.78	7.81	4.14	2.20	1.18	.63	.34	.18	.04
85 90	20.93	12.01	6.90	3.97	2.28	1.32	.76	.44	.25	.06
90 95	21.16	12.02	6.85	3.92	2.25	1.30	.75	.43	.25	.07
95 100	9.03	5.42	3.26	1.96	1.18	.71	.43	.26	.16	.04
100 105	9.06	5.44	3.27	1.97	1.18	.71	.43	.26	.16	.04
105 110	12.99	7.75	4.64	2.78	1.67	1.01	.61	.37	.22	.07
110 115	6.32	3.91	2.42	1.50	.93	.57	.36	.22	.14	.04
115 120	15.91	9.82	6.07	3.76	2.33	1.45	.90	.56	.35	.11
120 125	7.46	4.63	2.88	1.80	1.12	.70	.44	.28	.18	.06
125 130	9.76	6.25	4.00	2.57	1.64	1.05	.68	.43	.28	.09
130 135	8.75	5.46	3.41	2.14	1.34	.84	.53	.34	.21	.07
135 140	4.36	2.88	1.90	1.25	.83	.55	.36	.24	.16	.06
140 145	8.95	5.80	3.75	2.43	1.58	1.02	.66	.43	.28	.09
145 150	5.43	3.47	2.22	1.42	.91	.59	.38	.24	.16	.05
150 155	4.43	3.01	2.04	1.38	.94	.64	.43	.29	.20	.08
155 160	2.48	1.58	1.01	.64	.41	.26	.17	.11	.07	.02
160 165	2.08	1.36	.88	.58	.38	.24	.16	.10	.07	.02
165 170	2.15	1.44	.96	.64	.43	.29	.19	.13	.09	.03
170 175	0	0	0	0	0	0	0	0	0	0
175 180	2.13	1.42	.95	.64	.42	.28	.19	.13	.08	.03
180 185	4.20	2.78	1.83	1.21	.80	.53	.35	.23	.15	.05
185 190	2.18	1.50	1.03	.71	.49	.34	.23	.16	.11	.04
190 195	2.26	1.55	1.07	.73	.50	.35	.24	.16	.11	.04
195 200	0	0	0	0	0	0	0	0	0	0
200 205	4.37	2.97	2.01	1.37	.93	.63	.43	.29	.20	.07
205 210	2.23	1.53	1.05	.72	.50	.34	.24	.16	.11	.04
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	2.16	1.49	1.02	.70	.48	.33	.23	.16	.11	.04
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	2.06	1.38	.92	.62	.41	.27	.18	.12	.08	.03
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	5.68	1.67	.49	.15	.04	.01	.00	.00	.00	.00
340 345	16.15	5.21	1.68	.54	.18	.06	.02	.01	.00	.00
345 350	10.81	3.97	1.46	.53	.20	.07	.03	.01	.00	.00
350 355	11.18	4.56	1.86	.76	.31	.13	.05	.02	.01	.00
355 360	24.70	8.07	2.68	.90	.31	.11	.04	.01	.01	.00
FIRST HARMONIC										
AMPLITUDE	574.29	252.61	119.39	60.35	32.28	18.03	10.40	6.15	3.71	1.11
PHASE (IN HOURS)	2.69	3.32	3.98	4.63	5.22	5.75	6.21	6.62	6.97	7.72
SECOND HARMONIC										
AMPLITUDE	287.46	110.76	46.79	22.22	11.74	6.68	3.97	2.42	1.50	.48
PHASE (IN HOURS)	2.11	2.68	3.36	4.08	4.75	5.34	5.83	6.25	6.62	7.36

SANAE,ANTARCTICA

GEOGRAPHIC LATITUDE = -70.46 GEOGRAPHIC LONGITUDE = -2.49

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	25.45	13.44	7.47	4.30	2.54	1.52	.93	.57	.35	.11
5 10	78.22	47.71	29.58	18.55	11.72	7.46	4.77	3.06	1.97	.67
10 15	48.74	29.74	18.60	11.86	7.68	5.04	3.35	2.24	1.52	.59
15 20	48.26	30.99	20.45	13.79	9.45	6.57	4.62	3.28	2.34	1.04
20 25	34.36	18.85	10.55	6.04	3.55	2.14	1.32	.84	.55	.21
25 30	54.09	26.50	13.65	7.36	4.15	2.45	1.51	.97	.66	.29
30 35	36.18	17.03	8.42	4.42	2.50	1.53	1.02	.72	.54	.30
35 40	26.36	11.36	5.10	2.42	1.24	.70	.43	.29	.21	.11
40 45	15.30	4.83	1.53	.48	.15	.05	.02	.00	.00	.00
45 50	8.94	4.57	2.34	1.20	.62	.32	.16	.08	.04	.01
50 55	9.20	3.78	1.59	.68	.30	.13	.06	.03	.01	.00
55 60	12.85	5.29	2.22	.95	.42	.19	.08	.04	.02	.00
60 65	0	0	0	0	0	0	0	0	0	0
65 70	2.93	1.37	.64	.30	.14	.07	.03	.01	.01	.00
70 75	2.25	1.03	.48	.23	.12	.07	.05	.03	.03	.02
75 80	1.81	.81	.37	.18	.10	.06	.04	.03	.03	.02
80 85	1.56	.73	.37	.22	.15	.11	.09	.08	.08	.06
85 90	4.66	1.96	.86	.41	.22	.14	.11	.09	.08	.06
90 95	0	0	0	0	0	0	0	0	0	0
95 100	4.41	1.65	.63	.25	.11	.06	.04	.03	.03	.02
100 105	0	0	0	0	0	0	0	0	0	0
105 110	3.13	1.04	.34	.11	.04	.01	.00	.00	.00	.00
110 115	3.84	1.17	.35	.11	.03	.01	.00	.00	.00	.00
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	12.59	4.16	1.38	.46	.16	.05	.02	.01	.00	.00
280 285	0	0	0	0	0	0	0	0	0	0
285 290	2.45	.99	.40	.16	.07	.03	.01	.00	.00	.00
290 295	.58	.25	.10	.04	.02	.01	.00	.00	.00	.00
295 300	0	0	0	0	0	0	0	0	0	0
300 305	.57	.25	.11	.05	.02	.01	.00	.00	.00	.00
305 310	0	0	0	0	0	0	0	0	0	0
310 315	1.62	.48	.14	.04	.01	.00	.00	.00	.00	.00
315 320	5.04	1.69	.58	.20	.07	.03	.01	.00	.00	.00
320 325	0	0	0	0	0	0	0	0	0	0
325 330	2.89	1.06	.39	.14	.05	.02	.01	.00	.00	.00
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	33.32	11.73	4.18	1.51	.55	.20	.08	.03	.01	.00
345 350	22.92	8.63	3.35	1.34	.55	.23	.10	.04	.02	.00
350 355	16.48	7.41	3.41	1.60	.76	.37	.18	.09	.05	.01
355 360	13.93	6.48	3.08	1.50	.75	.38	.20	.10	.06	.01
FIRST HARMONIC										
AMPLITUDE	470.57	242.42	132.86	76.75	46.31	28.96	18.66	12.33	8.33	3.39
PHASE (IN HOURS)	1.24	1.25	1.25	1.25	1.24	1.25	1.27	1.30	1.34	1.51
SECOND HARMONIC										
AMPLITUDE	356.83	196.86	113.64	68.11	42.12	26.74	17.37	11.50	7.74	3.07
PHASE (IN HOURS)	1.27	1.26	1.24	1.22	1.22	1.21	1.22	1.24	1.28	1.40

SULPHUR MOUNTAIN,CANADA

GEOGRAPHIC LATITUDE = 51.20 GEOGRAPHIC LONGITUDE = -115.61

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	.17	.16	.15	.14	.12	.12	.11	.10	.09	.07
5 10	.87	.80	.74	.68	.63	.58	.53	.49	.45	.37
10 15	.17	.16	.15	.14	.13	.12	.11	.10	.09	.07
15 20	.17	.16	.15	.14	.13	.12	.11	.10	.09	.07
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	10.84	3.41	1.08	.34	.11	.03	.01	.00	.00	.00
200 205	5.24	1.92	.71	.26	.10	.03	.01	.00	.00	.00
205 210	3.03	1.22	.49	.20	.08	.03	.01	.01	.00	.00
210 215	2.09	.87	.36	.15	.06	.03	.01	.00	.00	.00
215 220	1.21	.52	.23	.10	.04	.02	.01	.00	.00	.00
220 225	10.39	3.27	1.03	.33	.10	.03	.01	.00	.00	.00
225 230	6.75	2.59	1.00	.39	.15	.06	.02	.01	.00	.00
230 235	0	0	0	0	0	0	0	0	0	0
235 240	54.45	21.13	8.40	3.41	1.41	.60	.26	.11	.05	.01
240 245	34,58	13.01	5.07	2.05	.86	.37	.17	.08	.04	.01
245 250	27.62	11.10	4.65	2.02	.91	.42	.20	.10	.05	.01
250 255	18.32	8.48	4.03	1.96	.98	.50	.26	.13	.07	.02
255 260	24.29	12.73	6.83	3.74	2.08	1.18	.68	.39	.23	.06
260 265	76.58	44.47	26.45	15.98	9.77	6.02	3.74	2.33	1.46	.46
265 270	91.71	47.91	26.47	15.24	9.04	5.48	3.38	2.11	1.33	.44
270 275	89.13	52.16	31.86	20.17	13.14	8.75	5.92	4.06	2.82	1.16
275 280	34.08	18.82	10.95	6.70	4.28	2.83	1.92	1.33	.94	.40
280 285	54.58	24.68	12.45	7.03	4.40	2.98	2.12	1.57	1.18	.61
285 290	8.74	5.61	3.74	2.58	1.83	1.34	.99	.75	.57	.29
290 295	0	0	0	0	0	0	0	0	0	0
295 300	6.56	3.49	2.06	1.33	.93	.69	.54	.43	.35	.21
300 305	17.89	8.33	4.38	2.63	1.78	1.31	1.02	.82	.67	.42
305 310	6.04	3.34	2.10	1.47	1.11	.88	.71	.59	.49	.31
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	.17	.16	.15	.13	.12	.11	.10	.10	.09	.07
FIRST HARMONIC										
AMPLITUDE	546.00	273.18	147.21	84.61	51.31	32.50	21.32	14.40	9.97	4.35
PHASE (IN HOURS)	1.26	1.43	1.58	1.73	1.88	2.02	2.18	2.34	2.51	3.01
SECOND HARMONIC										
AMPLITUDE	450.82	233.08	128.79	75.15	45.80	28.88	18.71	12.37	8.32	3.23
PHASE (IN HOURS)	1.32	1.46	1.58	1.69	1.79	1.89	1.98	2.08	2.18	2.45

SVERDLOVSK, U.S.S.R.

GEOGRAPHIC LATITUDE = 56.80 GEOGRAPHIC LONGITUDE = 60.63

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	.30	.09	.03	.01	.00	.00	.00	.00	.00	.00
5 10	0	0	0	0	0	0	0	0	0	0
10 15	.36	.30	.25	.21	.17	.14	.12	.10	.08	.05
15 20	9.08	2.75	.83	.25	.08	.02	.01	.00	.00	.00
20 25	14.14	5.13	1.95	.81	.38	.22	.15	.11	.09	.05
25 30	7.63	3.27	1.46	.70	.38	.23	.15	.11	.09	.05
30 35	1.71	.74	.32	.14	.06	.03	.01	.00	.00	.00
35 40	9.62	3.38	1.30	.58	.31	.20	.14	.11	.09	.05
40 45	11.82	4.14	1.46	.51	.18	.06	.02	.01	.00	.00
45 50	2.08	.97	.45	.21	.10	.05	.02	.01	.00	.00
50 55	5.22	2.11	.85	.35	.14	.06	.02	.01	.00	.00
55 60	4.77	1.83	.72	.29	.12	.05	.02	.01	.00	.00
60 65	9.41	3.59	1.45	.61	.27	.12	.05	.03	.01	.00
65 70	46.53	14.77	4.70	1.50	.48	.15	.05	.02	.01	.00
70 75	55.06	21.99	8.85	3.59	1.47	.61	.25	.11	.04	.01
75 80	25.15	11.35	5.19	2.41	1.13	.54	.26	.13	.06	.01
80 85	19.37	9.32	4.53	2.22	1.09	.54	.27	.14	.07	.01
85 90	14.90	7.87	4.18	2.23	1.20	.64	.35	.19	.10	.02
90 95	25.38	11.59	5.59	2.82	1.47	.78	.42	.23	.13	.03
95 100	24.75	11.03	5.17	2.54	1.30	.69	.37	.20	.11	.03
100 105	97.56	55.48	32.02	18.69	11.02	6.55	3.91	2.35	1.42	.41
105 110	52.18	30.05	17.56	10.40	6.23	3.77	2.31	1.42	.88	.27
110 115	43.82	25.36	14.91	8.89	5.39	3.31	2.05	1.29	.82	.27
115 120	54.83	24.04	11.37	5.80	3.17	1.84	1.11	.70	.45	.15
120 125	12.02	7.52	4.80	3.11	2.05	1.37	.92	.63	.43	.17
125 130	9.81	6.45	4.34	2.96	2.04	1.41	.98	.68	.47	.19
130 135	12.56	7.54	4.69	3.00	1.97	1.32	.90	.62	.43	.17
135 140	14.15	8.64	5.59	3.78	2.63	1.86	1.34	.97	.70	.32
140 145	5.37	3.98	2.94	2.18	1.61	1.19	.88	.65	.48	.23
145 150	1.35	1.00	.74	.55	.41	.30	.22	.16	.12	.06
150 155	.88	.69	.53	.42	.32	.25	.20	.15	.12	.06
155 160	0	0	0	0	0	0	0	0	0	0
160 165	.88	.69	.53	.42	.32	.25	.20	.15	.12	.06
165 170	.88	.69	.53	.42	.32	.25	.20	.15	.12	.06
170 175	2.65	2.06	1.61	1.25	.97	.76	.59	.46	.36	.19
175 180	.88	.69	.53	.42	.32	.25	.20	.15	.12	.06
180 185	.89	.69	.54	.42	.33	.25	.20	.15	.12	.06
185 190	0	0	0	0	0	0	0	0	0	0
190 195	.90	.70	.54	.42	.33	.26	.20	.16	.12	.06
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	.36	.30	.25	.21	.17	.14	.12	.10	.08	.05
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	.36	.30	.25	.21	.17	.15	.12	.10	.08	.05
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	.36	.30	.25	.21	.17	.14	.12	.10	.08	.05
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	524.00	257.87	135.80	75.71	44.19	26.75	16.67	10.63	6.91	2.51
PHASE (IN HOURS)	2.16	2.49	2.80	3.07	3.32	3.53	3.72	3.89	4.05	4.40
SECOND HARMONIC										
AMPLITUDE	363.11	186.57	101.69	57.89	34.04	20.53	12.64	7.92	5.05	1.74
PHASE (IN HOURS)	2.31	2.62	2.89	3.12	3.32	3.51	3.69	3.87	4.06	4.54

SWARTHMORE,U.S.A.

GEOGRAPHIC LATITUDE = 39.90 GEOGRAPHIC LONGITUDE = -75.35

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	6.54	4.80	3.52	2.58	1.90	1.39	1.02	.75	.55	.26
5 10	0	0	0	0	0	0	0	0	0	0
10 15	1.67	1.30	1.01	.79	.61	.48	.37	.29	.23	.12
15 20	2.51	1.96	1.52	1.19	.92	.72	.56	.44	.34	.18
20 25	.84	.65	.51	.40	.31	.24	.19	.15	.11	.06
25 30	.85	.66	.51	.40	.31	.24	.19	.15	.11	.06
30 35	.84	.66	.51	.40	.31	.24	.19	.15	.11	.06
35 40	.86	.67	.52	.41	.32	.25	.19	.15	.12	.06
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
55 60	.40	.34	.28	.23	.19	.16	.13	.11	.09	.06
60 65	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
65 70	1.19	.99	.82	.69	.57	.48	.40	.33	.27	.17
70 75	.39	.32	.27	.22	.19	.16	.13	.11	.09	.06
75 80	.38	.32	.26	.22	.18	.15	.13	.11	.09	.06
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	.36	.30	.25	.21	.17	.14	.12	.10	.08	.05
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	16.57	5.22	1.65	.52	.17	.05	.02	.01	.00	.00
250 255	8.06	2.96	1.09	.40	.15	.05	.02	.01	.00	.00
255 260	6.39	2.58	1.05	.42	.17	.07	.03	.01	.00	.00
260 265	1.75	.74	.31	.13	.06	.02	.01	.00	.00	.00
265 270	17.88	5.87	1.95	.66	.23	.08	.03	.01	.00	.00
270 275	10.17	3.91	1.51	.59	.23	.09	.04	.02	.01	.00
275 280	4.98	2.00	.81	.32	.13	.05	.02	.01	.00	.00
280 285	26.80	9.19	3.23	1.17	.43	.17	.07	.03	.01	.00
285 290	75.89	27.13	9.86	3.65	1.37	.52	.20	.08	.03	.00
290 295	40.24	16.21	6.68	2.80	1.20	.52	.23	.10	.05	.01
295 300	31.23	13.80	6.22	2.86	1.33	.63	.30	.15	.07	.01
300 305	19.48	7.78	3.20	1.35	.58	.26	.11	.05	.02	.00
305 310	35.10	14.72	6.56	3.08	1.51	.76	.39	.20	.11	.02
310 315	23.51	9.58	4.02	1.74	.78	.37	.18	.09	.05	.01
315 320	38.91	18.88	9.32	4.68	2.39	1.24	.65	.34	.19	.04
320 325	35.61	18.26	9.61	5.19	2.86	1.61	.92	.53	.31	.09
325 330	134.45	71.11	39.39	22.53	13.17	7.82	4.69	2.83	1.72	.51
330 335	64.61	35.18	19.69	11.31	6.65	3.99	2.43	1.50	.94	.30
335 340	26.81	15.72	9.41	5.73	3.54	2.22	1.41	.90	.58	.20
340 345	18.60	11.01	6.69	4.16	2.64	1.70	1.11	.73	.48	.18
345 350	19.68	11.17	6.53	3.93	2.44	1.55	1.01	.67	.45	.18
350 355	6.23	4.39	3.09	2.18	1.54	1.09	.77	.54	.39	.16
355 360	9.63	6.99	5.08	3.69	2.69	1.95	1.42	1.04	.75	.34
FIRST HARMONIC										
AMPLITUDE	615.67	292.44	149.42	81.42	46.81	28.11	17.48	11.20	7.35	2.81
PHASE (IN HOURS)	1.93	2.29	2.65	2.98	3.29	3.58	3.84	4.10	4.35	4.99
SECOND HARMONIC										
AMPLITUDE	445.64	215.58	112.66	62.47	36.15	21.58	13.19	8.21	5.19	1.74
PHASE (IN HOURS)	1.98	2.33	2.65	2.93	3.17	3.38	3.58	3.76	3.95	4.45

TBILISI, U.S.S.R.

GEOGRAPHIC LATITUDE = 42.08 GEOGRAPHIC LONGITUDE = 44.70

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	22.11	6.97	2.20	.70	.22	.07	.02	.01	.00	.00
15 20	10.97	4.03	1.48	.54	.20	.07	.03	.01	.00	.00
20 25	6.73	2.71	1.09	.44	.18	.07	.03	.01	.00	.00
25 30	16.41	5.51	1.89	.67	.24	.09	.03	.01	.01	.00
30 35	11.52	4.11	1.49	.55	.21	.08	.03	.01	.00	.00
35 40	15.40	5.78	2.20	.85	.33	.13	.05	.02	.01	.00
40 45	18.30	7.03	2.77	1.12	.46	.19	.08	.03	.02	.00
45 50	21.07	6.80	2.22	.74	.25	.09	.03	.01	.00	.00
50 55	55.27	17.82	5.79	1.90	.63	.21	.07	.03	.01	.00
55 60	62.00	23.23	8.81	3.39	1.32	.53	.21	.09	.04	.00
60 65	38.63	15.97	6.62	2.75	1.14	.48	.20	.08	.04	.00
65 70	29.42	12.38	5.23	2.22	.94	.40	.17	.07	.03	.00
70 75	43.16	17.06	6.99	2.95	1.28	.57	.26	.12	.05	.01
75 80	24.94	11.01	4.97	2.30	1.08	.52	.25	.12	.06	.01
80 85	22.59	10.03	4.48	2.02	.91	.42	.19	.09	.04	.01
85 90	32.00	15.39	7.47	3.66	1.80	.90	.45	.23	.11	.02
90 95	42.82	17.42	7.48	3.38	1.59	.77	.38	.19	.10	.02
95 100	42.52	20.26	9.89	4.93	2.50	1.29	.67	.35	.19	.04
100 105	40.34	19.69	9.86	5.06	2.67	1.44	.80	.45	.26	.07
105 110	37.30	19.19	9.94	5.18	2.72	1.43	.76	.41	.22	.05
110 115	25.42	13.61	7.33	3.98	2.17	1.19	.66	.37	.20	.05
115 120	15.90	8.87	4.96	2.78	1.57	.88	.50	.28	.16	.04
120 125	22.30	12.39	6.90	3.85	2.15	1.21	.68	.38	.21	.05
125 130	14.45	8.51	5.01	2.96	1.75	1.03	.61	.36	.22	.06
130 135	5.99	3.54	2.09	1.24	.73	.43	.26	.15	.09	.02
135 140	12.49	7.56	4.58	2.78	1.68	1.02	.62	.38	.23	.07
140 145	10.08	5.94	3.51	2.08	1.24	.74	.44	.27	.16	.05
145 150	9.10	5.50	3.33	2.02	1.23	.75	.45	.28	.17	.05
150 155	12.42	7.67	4.74	2.93	1.81	1.12	.69	.43	.27	.08
155 160	12.43	7.83	4.94	3.12	1.97	1.25	.79	.50	.32	.10
160 165	0	0	0	0	0	0	0	0	0	0
165 170	14.55	9.09	5.68	3.55	2.22	1.39	.87	.54	.34	.11
170 175	2.19	1.43	.93	.61	.39	.26	.17	.11	.07	.02
175 180	8.02	5.16	3.33	2.15	1.39	.90	.58	.38	.24	.08
180 185	7.33	4.78	3.12	2.04	1.33	.87	.57	.37	.24	.08
185 190	4.33	2.82	1.84	1.20	.78	.51	.33	.22	.14	.05
190 195	2.57	1.64	1.04	.66	.42	.27	.17	.11	.07	.02
195 200	5.01	3.35	2.24	1.50	1.00	.67	.45	.30	.20	.07
200 205	2.13	1.39	.90	.59	.38	.25	.16	.11	.07	.02
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	1.63	1.12	.77	.53	.36	.25	.17	.12	.08	.03
220 225	2.15	1.40	.91	.60	.39	.25	.16	.11	.07	.02
225 230	2.49	1.66	1.11	.74	.50	.33	.22	.15	.10	.04
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	2.53	1.69	1.13	.75	.50	.34	.23	.15	.10	.04
250 255	0	0	0	0	0	0	0	0	0	0
255 260	2.55	1.70	1.14	.76	.51	.34	.23	.15	.10	.04
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	2.53	1.69	1.13	.76	.51	.34	.23	.15	.10	.04
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	1.52	1.05	.72	.50	.34	.23	.16	.11	.08	.03
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	1.66	1.14	.79	.54	.37	.26	.18	.12	.08	.03
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	590.10	258.18	121.01	60.52	31.97	17.62	10.04	5.85	3.48	1.00
PHASE (IN HOURS)	2.66	3.27	3.91	4.54	5.11	5.63	6.08	6.47	6.82	7.53
SECOND HARMONIC										
AMPLITUDE	305.08	119.16	50.79	24.09	12.60	7.06	4.13	2.48	1.51	.46
PHASE (IN HOURS)	2.13	2.67	3.31	3.97	4.59	5.14	5.59	5.98	6.31	6.97

TEHRAN, IRAN

GEOGRAPHIC LATITUDE = 35.67 GEOGRAPHIC LONGITUDE = 51.43

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	3.68	2.14	1.25	.72	.42	.25	.14	.08	.05	.01
15 20	7.59	2.24	.66	.19	.06	.02	.00	.00	.00	.00
20 25	21.67	6.98	2.25	.73	.24	.08	.02	.01	.00	.00
25 30	14.69	5.39	1.98	.73	.27	.10	.04	.01	.00	.00
30 35	9.11	3.66	1.47	.59	.24	.10	.04	.02	.01	.00
35 40	34.12	11.40	3.87	1.34	.47	.17	.06	.02	.01	.00
40 45	17.99	6.87	2.63	1.02	.39	.15	.06	.02	.01	.00
45 50	7.67	2.94	1.17	.48	.20	.09	.04	.02	.01	.00
50 55	27.61	9.60	3.41	1.23	.45	.17	.06	.03	.01	.00
55 60	75.93	24.94	8.35	2.87	1.01	.37	.14	.05	.02	.00
60 65	88.61	31.23	11.07	3.95	1.42	.51	.19	.07	.03	.00
65 70	43.25	17.83	7.42	3.12	1.33	.57	.25	.11	.05	.01
70 75	39.74	16.34	6.75	2.81	1.17	.49	.21	.09	.04	.00
75 80	64.24	24.51	9.57	3.82	1.55	.64	.27	.11	.05	.01
80 85	42.13	18.20	7.96	3.53	1.58	.71	.33	.15	.07	.01
85 90	32.19	14.44	6.56	3.02	1.41	.67	.32	.15	.08	.01
90 95	36.29	15.59	6.89	3.11	1.43	.67	.31	.15	.07	.01
95 100	49.39	20.49	8.85	3.96	1.82	.86	.41	.20	.10	.02
100 105	28.80	12.25	5.36	2.42	1.12	.54	.26	.13	.07	.01
105 110	48.94	23.18	11.10	5.37	2.62	1.29	.64	.32	.16	.03
110 115	39.92	19.89	10.00	5.07	2.59	1.34	.69	.36	.19	.04
115 120	12.60	5.96	2.82	1.34	.64	.30	.15	.07	.03	.01
120 125	28.38	15.05	8.03	4.30	2.32	1.25	.68	.37	.20	.05
125 130	23.96	12.76	6.80	3.62	1.93	1.03	.55	.29	.16	.03
130 135	17.25	9.10	4.82	2.56	1.37	.73	.39	.21	.12	.03
135 140	12.70	7.19	4.07	2.30	1.31	.74	.42	.24	.14	.03
140 145	7.94	4.65	2.73	1.60	.94	.55	.32	.19	.11	.03
145 150	12.49	7.07	4.00	2.27	1.28	.73	.41	.23	.13	.03
150 155	17.92	9.78	5.35	2.93	1.61	.88	.49	.27	.15	.03
155 160	8.20	4.85	2.87	1.70	1.00	.59	.35	.21	.12	.03
160 165	3.13	1.78	1.01	.57	.32	.18	.10	.06	.03	.01
165 170	8.17	4.93	2.97	1.80	1.09	.66	.40	.24	.15	.04
170 175	8.05	4.72	2.77	1.62	.95	.56	.33	.19	.11	.03
175 180	9.39	5.71	3.48	2.12	1.29	.79	.48	.29	.18	.05
180 185	3.59	2.09	1.21	.71	.41	.24	.14	.08	.05	.01
185 190	4.78	2.86	1.71	1.02	.61	.37	.22	.13	.08	.02
190 195	5.85	3.25	1.80	1.00	.55	.31	.17	.09	.05	.01
195 200	3.71	2.16	1.26	.73	.43	.25	.14	.08	.05	.01
200 205	9.47	5.77	3.51	2.14	1.30	.79	.48	.30	.18	.05
205 210	0	0	0	0	0	0	0	0	0	0
210 215	4.66	2.79	1.67	1.00	.60	.36	.21	.13	.08	.02
215 220	3.28	1.86	1.06	.60	.34	.19	.11	.06	.04	.01
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	4.59	2.84	1.76	1.09	.67	.42	.26	.16	.10	.03
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	4.65	2.88	1.78	1.10	.68	.42	.26	.16	.10	.03
260 265	0	0	0	0	0	0	0	0	0	0
265 270	4.75	2.84	1.70	1.02	.61	.37	.22	.13	.08	.02
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	4.24	2.62	1.62	1.01	.62	.39	.24	.15	.09	.03
310 315	3.96	2.45	1.52	.94	.58	.36	.22	.14	.09	.03
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	709.86	291.96	126.62	57.93	27.85	13.96	7.25	3.86	2.10	.49
PHASE (IN HOURS)	2.34	2.84	3.39	3.96	4.52	5.04	5.52	5.94	6.33	7.12
SECOND HARMONIC										
AMPLITUDE	408.26	152.14	59.85	25.40	11.77	5.92	3.15	1.74	.98	.25
PHASE (IN HOURS)	1.81	2.21	2.70	3.26	3.84	4.38	4.84	5.23	5.56	6.16

THULE,GREENLAND

GEOGRAPHIC LATITUDE = 76.55 GEOGRAPHIC LONGITUDE = -68.84

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	12.98	4.87	1.88	.75	.31	.13	.06	.03	.01	.00
5 10	6.58	1.99	.60	.18	.06	.02	.01	.00	.00	.00
10 15	.34	.19	.11	.06	.03	.02	.01	.01	.00	.00
15 20	3.91	2.01	1.04	.53	.28	.14	.07	.04	.02	.00
20 25	0	0	0	0	0	0	0	0	0	0
25 30	.76	.35	.16	.08	.04	.02	.01	.00	.00	.00
30 35	0	0	0	0	0	0	0	0	0	0
35 40	.51	.23	.10	.05	.02	.01	.00	.00	.00	.00
40 45	2.56	1.24	.60	.29	.14	.07	.03	.02	.01	.00
45 50	.70	.35	.18	.09	.05	.03	.01	.01	.00	.00
50 55	.21	.09	.04	.01	.01	.00	.00	.00	.00	.00
55 60	2.17	.97	.44	.20	.09	.04	.02	.01	.00	.00
60 65	0	0	0	0	0	0	0	0	0	0
65 70	1.26	.57	.25	.11	.05	.02	.01	.00	.00	.00
70 75	0	0	0	0	0	0	0	0	0	0
75 80	1.06	.46	.20	.09	.04	.02	.01	.00	.00	.00
80 85	.90	.38	.16	.07	.03	.01	.01	.00	.00	.00
85 90	1.39	.54	.21	.08	.03	.01	.01	.00	.00	.00
90 95	2.29	.92	.37	.15	.06	.02	.01	.00	.00	.00
95 100	0	0	0	0	0	0	0	0	0	0
100 105	3.49	1.28	.47	.17	.06	.02	.01	.00	.00	.00
105 110	0	0	0	0	0	0	0	0	0	0
110 115	3.30	1.09	.36	.12	.04	.01	.00	.00	.00	.00
115 120	3.82	1.16	.35	.11	.03	.01	.00	.00	.00	.00
120 125	0	0	0	0	0	0	0	0	0	0
125 130	.32	.10	.03	.01	.00	.00	.00	.00	.00	.00
130 135	0	0	0	0	0	0	0	0	0	0
135 140	.26	.08	.02	.01	.00	.00	.00	.00	.00	.00
140 145	.79	.42	.22	.11	.06	.03	.02	.01	.00	.00
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	1.47	.72	.36	.17	.09	.04	.02	.01	.00	.00
185 190	0	0	0	0	0	0	0	0	0	0
190 195	1.51	.70	.33	.15	.07	.03	.02	.01	.00	.00
195 200	0	0	0	0	0	0	0	0	0	0
200 205	2.79	1.23	.54	.24	.11	.05	.02	.01	.00	.00
205 210	1.23	.52	.22	.09	.04	.02	.01	.00	.00	.00
210 215	4.55	1.84	.74	.30	.12	.05	.02	.01	.00	.00
215 220	5.79	2.12	.78	.29	.11	.04	.01	.01	.00	.00
220 225	8.75	2.82	.91	.29	.09	.03	.01	.00	.00	.00
225 230	4.48	1.58	.59	.23	.10	.04	.02	.01	.00	.00
230 235	2.88	1.24	.53	.23	.10	.04	.02	.01	.00	.00
235 240	5.55	2.11	.80	.31	.12	.04	.02	.01	.00	.00
240 245	7.42	2.34	.74	.23	.07	.02	.01	.00	.00	.00
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	3.80	2.03	1.09	.58	.31	.17	.09	.05	.03	.01
260 265	.54	.31	.17	.10	.06	.03	.02	.01	.01	.00
265 270	2.93	1.44	.71	.35	.17	.08	.04	.02	.01	.00
270 275	2.54	1.18	.55	.26	.12	.06	.03	.01	.01	.00
275 280	6.52	3.22	1.60	.80	.40	.20	.10	.05	.03	.01
280 285	9.42	4.23	1.91	.87	.40	.19	.09	.04	.02	.00
285 290	12.07	5.06	2.15	.93	.41	.19	.09	.04	.02	.01
290 295	39.94	13.89	5.02	1.92	.80	.37	.19	.11	.07	.02
295 300	8.66	3.14	1.21	.50	.22	.11	.06	.03	.02	.01
300 305	5.48	3.03	1.72	1.00	.59	.36	.22	.13	.08	.03
305 310	5.98	3.71	2.34	1.50	.97	.64	.43	.29	.19	.08
310 315	10.36	6.19	3.74	2.28	1.40	.87	.55	.35	.22	.08
315 320	16.44	10.56	6.86	4.52	3.01	2.03	1.38	.96	.67	.29
320 325	18.38	11.63	7.54	5.01	3.42	2.38	1.70	1.24	.92	.47
325 330	5.87	3.86	2.57	1.74	1.19	.83	.59	.43	.31	.16
330 335	8.40	4.74	2.73	1.61	.96	.59	.36	.23	.14	.05
335 340	7.81	3.95	2.04	1.08	.59	.33	.19	.11	.07	.02
340 345	13.66	6.13	2.86	1.40	.72	.38	.22	.13	.08	.02
345 350	11.62	4.53	1.88	.83	.39	.19	.10	.05	.03	.01
350 355	5.87	2.71	1.29	.63	.33	.18	.10	.06	.03	.01
355 360	5.88	2.64	1.22	.57	.28	.14	.07	.04	.02	.00
FIRST HARMONIC										
AMPLITUDE	182.97	89.08	46.89	26.41	15.73	9.81	6.34	4.23	2.90	1.24
PHASE (IN HOURS)	1.19	1.39	1.56	1.70	1.80	1.86	1.91	1.95	1.97	2.02
SECOND HARMONIC										
AMPLITUDE	88.86	49.92	29.91	18.73	12.10	8.02	5.42	3.74	2.63	1.17
PHASE (IN HOURS)	1.47	1.67	1.80	1.88	1.92	1.95	1.97	1.99	2.00	2.03

TIXIE BAY, U.S.S.R.

GEOGRAPHIC LATITUDE = 71.55 GEOGRAPHIC LONGITUDE = 128.90

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	11.22	4.46	1.79	.72	.29	.12	.05	.02	.01	.00
55 60	10.63	3.35	1.06	.33	.11	.03	.01	.00	.00	.00
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	1.90	.56	.16	.05	.01	.00	.00	.00	.00	.00
85 90	8.48	2.88	.98	.34	.12	.04	.01	.00	.00	.00
90 95	0	0	0	0	0	0	0	0	0	0
95 100	2.34	.95	.38	.15	.06	.03	.01	.00	.00	.00
100 105	.61	.26	.11	.05	.02	.01	.00	.00	.00	.00
105 110	0	0	0	0	0	0	0	0	0	0
110 115	.67	.29	.13	.05	.02	.01	.00	.00	.00	.00
115 120	12.72	5.82	2.67	1.23	.57	.26	.12	.06	.03	.00
120 125	34.93	12.84	4.86	1.91	.77	.33	.14	.06	.03	.00
125 130	24.15	8.53	3.05	1.11	.41	.15	.06	.02	.01	.00
130 135	9.78	3.86	1.58	.67	.29	.13	.06	.03	.01	.00
135 140	8.58	3.86	1.81	.87	.43	.22	.11	.06	.03	.01
140 145	7.92	3.65	1.74	.85	.43	.22	.12	.06	.03	.01
145 150	4.55	2.08	.98	.48	.24	.12	.07	.04	.02	.00
150 155	21.91	12.84	7.63	4.58	2.78	1.70	1.05	.66	.41	.13
155 160	62.68	39.05	24.57	15.60	9.99	6.45	4.19	2.74	1.81	.66
160 165	71.89	45.93	29.86	19.73	13.24	9.02	6.21	4.33	3.05	1.32
165 170	59.17	30.02	16.61	9.94	6.35	4.28	3.01	2.18	1.63	.84
170 175	18.25	9.70	5.23	2.86	1.58	.89	.50	.29	.17	.05
175 180	15.92	7.40	3.58	1.84	1.01	.61	.41	.30	.24	.16
180 185	27.18	10.26	4.11	1.76	.81	.41	.23	.14	.10	.05
185 190	9.90	4.85	2.43	1.23	.63	.32	.17	.09	.04	.01
190 195	4.19	1.78	.77	.34	.15	.07	.03	.01	.01	.00
195 200	5.82	2.33	.93	.38	.15	.06	.03	.01	.00	.00
200 205	3.42	1.68	.82	.41	.20	.10	.05	.02	.01	.00
205 210	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
210 215	2.38	1.14	.56	.29	.16	.10	.08	.06	.06	.06
215 220	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
220 225	1.73	.78	.35	.16	.07	.03	.01	.01	.00	.00
225 230	1.37	.60	.26	.11	.05	.02	.01	.00	.00	.00
230 235	1.09	.46	.19	.08	.03	.01	.01	.00	.00	.00
235 240	.90	.37	.15	.06	.03	.01	.00	.00	.00	.00
240 245	2.55	1.03	.41	.17	.07	.03	.01	.00	.00	.00
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	3.32	1.22	.45	.16	.06	.02	.01	.00	.00	.00
260 265	0	0	0	0	0	0	0	0	0	0
265 270	2.45	.81	.27	.09	.03	.01	.00	.00	.00	.00
270 275	1.71	.53	.16	.05	.02	.00	.00	.00	.00	.00
275 280	1.36	.40	.12	.03	.01	.00	.00	.00	.00	.00
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	379.90	197.14	109.32	64.08	39.29	25.00	16.40	11.05	7.61	3.28
PHASE (IN HOURS)	1.74	1.89	2.00	2.07	2.13	2.17	2.20	2.24	2.27	2.38
SECOND HARMONIC										
AMPLITUDE	270.14	154.03	91.75	56.60	35.95	23.42	15.59	10.60	7.34	3.15
PHASE (IN HOURS)	1.96	2.05	2.11	2.15	2.17	2.20	2.22	2.24	2.27	2.36

TRIVANDRUM,INDIA

GEOGRAPHIC LATITUDE = 8.48 GEOGRAPHIC LONGITUDE = 76.95

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	11.51	3.39	1.00	.29	.09	.03	.01	.00	.00	.00
50 55	33.22	10.71	3.45	1.12	.36	.12	.04	.01	.00	.00
55 60	23.04	8.46	3.11	1.14	.42	.15	.06	.02	.01	.00
60 65	12.33	6.47	3.40	1.79	.94	.49	.26	.14	.07	.01
65 70	64.11	21.95	7.64	2.70	.97	.35	.13	.05	.02	.00
70 75	28.51	10.77	4.08	1.55	.59	.23	.09	.03	.01	.00
75 80	25.70	8.47	2.88	1.02	.37	.14	.06	.02	.01	.00
80 85	152.24	50.79	17.20	5.93	2.08	.75	.27	.10	.04	.00
85 90	118.72	41.93	15.04	5.48	2.03	.77	.30	.12	.05	.01
90 95	47.08	17.71	6.69	2.54	.97	.37	.14	.06	.02	.00
95 100	96.84	36.03	13.61	5.21	2.02	.79	.31	.12	.05	.01
100 105	92.81	37.91	15.71	6.60	2.80	1.21	.53	.23	.10	.01
105 110	56.23	22.65	9.17	3.74	1.53	.63	.26	.11	.04	.01
110 115	49.92	19.66	7.90	3.23	1.33	.56	.23	.10	.04	.01
115 120	62.90	24.37	9.76	4.03	1.71	.75	.33	.15	.07	.01
120 125	67.45	28.73	12.37	5.38	2.36	1.04	.46	.21	.09	.01
125 130	18.71	9.24	4.60	2.31	1.16	.59	.30	.15	.08	.02
130 135	38.16	16.74	7.38	3.27	1.45	.65	.29	.13	.06	.01
135 140	27.06	12.90	6.18	2.97	1.43	.69	.34	.16	.08	.01
140 145	24.98	11.67	5.47	2.57	1.21	.57	.27	.13	.06	.01
145 150	40.13	19.76	9.77	4.84	2.41	1.20	.60	.30	.15	.03
150 155	7.34	3.30	1.48	.66	.30	.13	.06	.03	.01	.00
155 160	0	0	0	0	0	0	0	0	0	0
160 165	21.34	11.13	5.83	3.06	1.62	.86	.45	.24	.13	.03
165 170	8.81	4.12	1.92	.90	.42	.20	.09	.04	.02	.00
170 175	37.20	19.54	10.27	5.39	2.83	1.49	.78	.41	.22	.04
175 180	0	0	0	0	0	0	0	0	0	0
180 185	30.62	16.33	8.71	4.66	2.49	1.33	.71	.38	.21	.04
185 190	10.28	5.71	3.17	1.76	.98	.54	.30	.17	.09	.02
190 195	11.15	5.48	2.69	1.32	.65	.32	.16	.08	.04	.01
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	12.44	6.54	3.43	1.80	.95	.50	.26	.14	.07	.01
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	5.79	3.28	1.86	1.06	.60	.34	.19	.11	.06	.02
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	10.26	5.70	3.16	1.75	.97	.54	.30	.17	.09	.02
240 245	10.12	5.61	3.12	1.73	.96	.53	.30	.16	.09	.02
245 250	10.29	5.71	3.17	1.76	.98	.54	.30	.17	.09	.02
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	10.15	5.63	3.12	1.73	.96	.53	.30	.16	.09	.02
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	9.75	5.41	3.00	1.67	.92	.51	.28	.16	.09	.02
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	987.85	380.79	152.20	63.22	27.31	12.25	5.69	2.72	1.34	.25
PHASE (IN HOURS)	1.98	2.36	2.78	3.25	3.74	4.23	4.71	5.17	5.59	6.49
SECOND HARMONIC										
AMPLITUDE	666.33	239.58	88.12	33.27	12.94	5.21	2.18	.95	.43	.07
PHASE (IN HOURS)	1.42	1.65	1.91	2.20	2.54	2.91	3.31	3.72	4.14	5.10

UPPSALA,SWEDEN

GEOGRAPHIC LATITUDE = 59.85 GEOGRAPHIC LONGITUDE = 17.92

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	6.08	2.23	.82	.30	.11	.04	.01	.01	.00	.00
5 10	7.96	2.91	1.08	.41	.16	.06	.02	.01	.00	.00
10 15	7.37	3.08	1.32	.58	.26	.11	.05	.02	.01	.00
15 20	1.74	.78	.35	.16	.07	.03	.01	.01	.00	.00
20 25	10.41	3.28	1.04	.33	.10	.03	.01	.00	.00	.00
25 30	25.09	8.65	3.03	1.08	.40	.15	.06	.02	.01	.00
30 35	58.60	21.67	8.13	3.09	1.19	.46	.18	.07	.03	.00
35 40	30.60	14.45	6.89	3.33	1.63	.81	.42	.22	.13	.04
40 45	15.57	7.74	3.89	1.97	1.01	.52	.27	.14	.08	.02
45 50	11.43	5.66	2.85	1.46	.76	.40	.21	.11	.06	.01
50 55	19.16	9.70	5.09	2.73	1.49	.82	.46	.26	.14	.03
55 60	67.33	36.77	20.93	12.25	7.31	4.41	2.69	1.65	1.02	.31
60 65	78.32	45.88	27.26	16.38	9.94	6.07	3.74	2.31	1.44	.45
65 70	38.64	21.94	12.79	7.63	4.66	2.90	1.84	1.18	.77	.28
70 75	31.68	18.63	11.20	6.88	4.32	2.76	1.80	1.18	.79	.30
75 80	39.61	25.01	16.28	10.87	7.40	5.12	3.58	2.53	1.79	.78
80 85	34.99	14.09	6.22	3.09	1.74	1.09	.73	.52	.38	.18
85 90	5.35	3.03	1.77	1.07	.67	.43	.29	.20	.15	.07
90 95	3.54	2.75	2.14	1.67	1.30	1.01	.79	.61	.48	.25
95 100	4.72	2.82	1.78	1.18	.82	.59	.43	.32	.25	.13
100 105	4.12	2.32	1.41	.92	.64	.47	.35	.27	.21	.12
105 110	.74	.32	.14	.06	.03	.01	.00	.00	.00	.00
110 115	1.22	.67	.42	.29	.22	.17	.14	.11	.09	.06
115 120	2.33	1.62	1.22	.96	.78	.64	.53	.44	.37	.23
120 125	.79	.66	.55	.45	.38	.32	.26	.22	.18	.12
125 130	0	0	0	0	0	0	0	0	0	0
130 135	.40	.33	.27	.23	.19	.16	.13	.11	.09	.06
135 140	.07	.06	.06	.05	.05	.04	.04	.04	.03	.03
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	.20	.07	.03	.01	.00	.00	.00	.00	.00	.00
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	.07	.06	.06	.05	.05	.04	.04	.04	.03	.03
240 245	0	0	0	0	0	0	0	0	0	0
245 250	.07	.06	.06	.05	.05	.04	.04	.04	.03	.03
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	.73	.24	.08	.03	.01	.00	.00	.00	.00	.00
280 285	1.47	.44	.13	.04	.01	.00	.00	.00	.00	.00
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	15.32	4.83	1.52	.48	.15	.05	.02	.00	.00	.00
340 345	13.15	5.04	1.94	.75	.29	.11	.04	.02	.01	.00
345 350	3.25	1.39	.59	.25	.11	.05	.02	.01	.00	.00
350 355	1.82	.82	.37	.16	.07	.03	.01	.01	.00	.00
355 360	14.42	4.85	1.67	.59	.22	.08	.03	.01	.01	.00
FIRST HARMONIC										
AMPLITUDE	489.75	245.91	132.41	75.58	45.23	28.11	18.01	11.84	7.96	3.20
PHASE (IN HOURS)	2.18	2.49	2.76	2.99	3.20	3.37	3.53	3.69	3.83	4.19
SECOND HARMONIC										
AMPLITUDE	346.91	186.20	105.86	62.79	38.47	24.20	15.58	10.24	6.85	2.71
PHASE (IN HOURS)	2.40	2.67	2.89	3.08	3.23	3.37	3.50	3.63	3.76	4.08

USHUAIA,ARGENTINA

GEOGRAPHIC LATITUDE = -54.80 GEOGRAPHIC LONGITUDE = -68.30

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	35.39	19.58	10.95	6.17	3.50	2.00	1.15	.66	.38	.10
5 10	21.53	12.49	7.25	4.22	2.46	1.44	.84	.50	.29	.08
10 15	21.54	11.24	5.99	3.25	1.79	1.00	.56	.32	.18	.05
15 20	22.77	11.74	6.24	3.42	1.92	1.10	.64	.38	.23	.06
20 25	3.90	2.51	1.62	1.04	.67	.43	.28	.18	.12	.04
25 30	7.11	4.35	2.67	1.64	1.01	.62	.38	.24	.15	.04
30 35	4.56	2.89	1.83	1.16	.73	.46	.29	.19	.12	.04
35 40	10.91	6.99	4.48	2.88	1.85	1.19	.76	.49	.32	.11
40 45	8.75	5.53	3.50	2.21	1.40	.89	.57	.36	.23	.07
45 50	2.30	1.58	1.09	.75	.51	.35	.24	.17	.11	.05
50 55	7.95	5.25	3.47	2.29	1.51	1.00	.66	.44	.29	.10
55 60	2.31	1.47	.94	.60	.38	.24	.15	.10	.06	.02
60 65	9.41	6.19	4.07	2.69	1.77	1.17	.78	.52	.34	.12
65 70	2.08	1.39	.93	.62	.41	.28	.19	.12	.08	.03
70 75	4.47	3.03	2.06	1.40	.95	.64	.44	.30	.20	.08
75 80	2.04	1.33	.87	.56	.37	.24	.16	.10	.07	.02
80 85	2.75	1.96	1.39	.99	.70	.50	.36	.25	.18	.08
85 90	4.82	3.19	2.12	1.41	.93	.62	.42	.28	.19	.07
90 95	2.32	1.60	1.10	.76	.52	.36	.25	.17	.12	.05
95 100	0	0	0	0	0	0	0	0	0	0
100 105	2.13	1.42	.95	.63	.42	.28	.19	.13	.08	.03
105 110	2.37	1.63	1.12	.77	.53	.37	.25	.17	.12	.05
110 115	4.40	2.95	1.98	1.33	.90	.60	.41	.27	.18	.07
115 120	2.36	1.62	1.12	.77	.53	.36	.25	.17	.12	.05
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	2.78	1.98	1.41	1.00	.71	.51	.36	.26	.18	.08
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	2.10	1.41	.94	.63	.42	.28	.19	.13	.08	.03
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	16.19	5.10	1.61	.51	.16	.05	.02	.01	.00	.00
250 255	7.58	2.78	1.02	.37	.14	.05	.02	.01	.00	.00
255 260	4.31	1.73	.70	.28	.11	.05	.02	.01	.00	.00
260 265	2.89	1.20	.50	.21	.09	.04	.02	.01	.00	.00
265 270	3.72	1.10	.32	.10	.03	.01	.00	.00	.00	.00
270 275	12.12	4.09	1.40	.49	.17	.06	.02	.01	.00	.00
275 280	8.68	3.33	1.29	.50	.20	.08	.03	.01	.01	.00
280 285	0	0	0	0	0	0	0	0	0	0
285 290	4.20	1.69	.68	.27	.11	.04	.02	.01	.00	.00
290 295	32.37	10.71	3.62	1.26	.45	.16	.06	.02	.01	.00
295 300	35.46	12.00	4.10	1.42	.50	.18	.06	.02	.01	.00
300 305	33.66	12.73	4.87	1.88	.73	.29	.11	.05	.02	.00
305 310	26.34	10.44	4.18	1.69	.69	.28	.12	.05	.02	.00
310 315	21.45	9.15	3.96	1.73	.77	.34	.15	.07	.03	.00
315 320	15.75	7.32	3.41	1.60	.75	.35	.17	.08	.04	.01
320 325	22.51	7.60	2.60	.90	.32	.11	.04	.02	.01	.00
325 330	26.62	12.12	5.63	2.66	1.28	.62	.30	.15	.07	.01
330 335	16.79	7.63	3.54	1.67	.81	.40	.20	.10	.05	.01
335 340	25.77	12.64	6.26	3.14	1.58	.81	.41	.21	.11	.02
340 345	39.68	16.57	7.35	3.43	1.68	.85	.44	.23	.12	.03
345 350	43.80	19.70	9.07	4.27	2.06	1.01	.50	.26	.13	.03
350 355	43.43	22.64	11.95	6.38	3.44	1.87	1.03	.57	.31	.07
355 360	33.20	18.13	10.02	5.58	3.14	1.77	1.01	.57	.33	.08
FIRST HARMONIC										
AMPLITUDE	490.92	225.92	111.43	58.39	32.13	18.37	10.82	6.53	4.01	1.27
PHASE (IN HOURS)	3.13	3.74	4.35	4.93	5.45	5.92	6.33	6.71	7.05	7.76
SECOND HARMONIC										
AMPLITUDE	241.50	109.90	53.77	27.65	14.68	7.98	4.43	2.51	1.47	.44
PHASE (IN HOURS)	2.92	3.44	3.93	4.36	4.76	5.14	5.51	5.89	6.27	7.24

UTRECHT,NETHERLANDS

GEOGRAPHIC LATITUDE = 52.06 GEOGRAPHIC LONGITUDE = 5.07

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	4.13	1.46	.53	.20	.07	.03	.01	.00	.00	.00
5 10	15.48	5.57	2.09	.82	.33	.14	.06	.03	.01	.00
10 15	17.42	5.74	1.93	.67	.24	.09	.03	.01	.00	.00
15 20	59.65	20.86	7.37	2.63	.95	.35	.13	.05	.02	.00
20 25	33.05	13.68	5.67	2.35	.98	.41	.17	.07	.03	.00
25 30	23.45	10.65	4.86	2.24	1.03	.48	.22	.10	.05	.01
30 35	22.61	11.04	5.42	2.68	1.33	.66	.33	.17	.08	.02
35 40	20.76	8.00	3.28	1.43	.66	.32	.16	.08	.04	.01
40 45	26.70	12.86	6.35	3.20	1.64	.85	.45	.24	.13	.03
45 50	21.42	10.61	5.39	2.80	1.48	.80	.44	.24	.13	.03
50 55	32.83	17.45	9.38	5.11	2.81	1.56	.88	.49	.28	.07
55 60	56.84	32.00	18.45	10.81	6.40	3.83	2.30	1.40	.85	.25
60 65	99.67	53.28	29.80	17.22	10.18	6.12	3.72	2.28	1.40	.43
65 70	46.24	25.13	13.97	7.94	4.60	2.72	1.63	1.00	.62	.19
70 75	16.01	9.56	5.83	3.63	2.29	1.46	.94	.61	.40	.14
75 80	14.32	8.37	5.06	3.16	2.03	1.33	.88	.59	.40	.16
80 85	7.16	4.93	3.39	2.34	1.61	1.11	.77	.53	.36	.14
85 90	1.82	1.25	.86	.59	.41	.28	.19	.13	.09	.04
90 95	4.96	3.53	2.51	1.78	1.27	.90	.64	.46	.32	.14
95 100	5.07	3.56	2.50	1.76	1.24	.87	.61	.43	.30	.13
100 105	4.36	3.18	2.32	1.69	1.24	.90	.66	.48	.35	.16
105 110	2.72	2.01	1.49	1.10	.82	.60	.45	.33	.25	.12
110 115	4.09	3.03	2.24	1.66	1.23	.91	.67	.50	.37	.17
115 120	1.65	1.17	.83	.59	.42	.30	.21	.15	.11	.05
120 125	3.66	2.75	2.06	1.55	1.16	.87	.65	.49	.37	.18
125 130	0	0	0	0	0	0	0	0	0	0
130 135	.91	.71	.55	.43	.33	.26	.20	.16	.12	.07
135 140	0	0	0	0	0	0	0	0	0	0
140 145	.29	.24	.20	.17	.14	.11	.10	.08	.07	.04
145 150	2.11	1.65	1.30	1.02	.81	.64	.50	.40	.31	.17
150 155	.90	.70	.54	.42	.33	.26	.20	.16	.12	.06
155 160	0	0	0	0	0	0	0	0	0	0
160 165	1.79	1.39	1.09	.84	.66	.51	.40	.31	.24	.13
165 170	.89	.69	.54	.42	.33	.26	.20	.15	.12	.06
170 175	.29	.25	.20	.17	.14	.12	.10	.08	.07	.04
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	.89	.69	.54	.42	.33	.25	.20	.15	.12	.06
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	0	0	0	0	0	0	0	0	0	0
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	.83	.24	.07	.02	.01	.00	.00	.00	.00	.00
325 330	10.58	3.21	.98	.30	.09	.03	.01	.00	.00	.00
330 335	15.20	5.33	1.87	.66	.23	.08	.03	.01	.00	.00
335 340	8.13	3.32	1.35	.55	.23	.09	.04	.02	.01	.00
340 345	2.97	1.18	.48	.20	.08	.03	.01	.01	.00	.00
345 350	16.58	5.51	1.86	.65	.23	.08	.03	.01	.00	.00
350 355	9.52	3.73	1.48	.59	.24	.10	.04	.02	.01	.00
355 360	7.89	2.97	1.13	.44	.17	.07	.03	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	528.13	255.77	133.03	73.49	42.61	25.67	15.95	10.17	6.62	2.46
PHASE (IN HOURS)	2.49	2.94	3.37	3.77	4.13	4.46	4.76	5.05	5.33	5.99
SECOND HARMONIC										
AMPLITUDE	335.41	168.91	91.13	51.47	29.97	17.83	10.79	6.62	4.12	1.34
PHASE (IN HOURS)	2.58	2.99	3.35	3.65	3.91	4.14	4.36	4.57	4.79	5.40

VICTORIA,CANADA

GEOGRAPHIC LATITUDE = 48.50 GEOGRAPHIC LONGITUDE = -123.42

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	.40	.33	.28	.23	.19	.16	.13	.11	.09	.06
10 15	0	0	0	0	0	0	0	0	0	0
15 20	.39	.33	.27	.23	.19	.16	.13	.11	.09	.06
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	0	0	0	0	0	0	0	0	0	0
75 80	0	0	0	0	0	0	0	0	0	0
80 85	0	0	0	0	0	0	0	0	0	0
85 90	0	0	0	0	0	0	0	0	0	0
90 95	0	0	0	0	0	0	0	0	0	0
95 100	0	0	0	0	0	0	0	0	0	0
100 105	0	0	0	0	0	0	0	0	0	0
105 110	0	0	0	0	0	0	0	0	0	0
110 115	0	0	0	0	0	0	0	0	0	0
115 120	0	0	0	0	0	0	0	0	0	0
120 125	0	0	0	0	0	0	0	0	0	0
125 130	0	0	0	0	0	0	0	0	0	0
130 135	0	0	0	0	0	0	0	0	0	0
135 140	0	0	0	0	0	0	0	0	0	0
140 145	0	0	0	0	0	0	0	0	0	0
145 150	0	0	0	0	0	0	0	0	0	0
150 155	0	0	0	0	0	0	0	0	0	0
155 160	0	0	0	0	0	0	0	0	0	0
160 165	0	0	0	0	0	0	0	0	0	0
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	0	0	0	0	0	0	0	0	0	0
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	13.31	4.19	1.32	.42	.13	.04	.01	.00	.00	.00
195 200	6.36	2.33	.86	.31	.12	.04	.02	.01	.00	.00
200 205	0	0	0	0	0	0	0	0	0	0
205 210	4.98	2.02	.82	.33	.13	.05	.02	.01	.00	.00
210 215	1.37	.58	.24	.10	.04	.02	.01	.00	.00	.00
215 220	14.58	4.78	1.59	.54	.19	.07	.02	.01	.00	.00
220 225	8.38	3.22	1.25	.49	.19	.08	.03	.01	.01	.00
225 230	30.37	10.11	3.39	1.14	.39	.13	.05	.02	.01	.00
230 235	48.60	18.77	7.41	2.98	1.22	.51	.21	.09	.04	.00
235 240	27.68	10.95	4.42	1.82	.77	.33	.14	.06	.03	.00
240 245	30.10	12.57	5.43	2.41	1.10	.51	.24	.12	.06	.01
245 250	28.83	13.10	6.10	2.91	1.41	.70	.35	.18	.09	.02
250 255	29.62	14.00	6.91	3.52	1.84	.98	.53	.29	.16	.04
255 260	62.76	33.28	18.63	10.80	6.40	3.85	2.33	1.42	.87	.26
260 265	126.66	67.01	36.74	20.71	11.93	6.99	4.14	2.48	1.50	.44
265 270	71.14	39.34	22.30	12.94	7.67	4.63	2.84	1.77	1.12	.37
270 275	78.91	34.89	16.48	8.32	4.48	2.55	1.53	.95	.60	.21
275 280	18.53	12.03	7.97	5.36	3.65	2.50	1.73	1.20	.84	.35
280 285	16.81	10.31	6.64	4.41	3.00	2.07	1.45	1.02	.72	.31
285 290	14.44	7.43	4.25	2.65	1.75	1.21	.85	.61	.44	.20
290 295	19.81	8.65	3.92	1.86	.95	.52	.31	.19	.13	.05
295 300	.77	.60	.46	.36	.28	.22	.17	.13	.10	.06
300 305	.76	.59	.46	.36	.28	.22	.17	.13	.10	.05
305 310	2.25	1.75	1.36	1.06	.82	.64	.50	.39	.30	.16
310 315	1.48	1.15	.89	.70	.54	.42	.33	.26	.20	.11
315 320	.75	.58	.45	.35	.27	.21	.17	.13	.10	.05
320 325	0	0	0	0	0	0	0	0	0	0
325 330	.77	.60	.46	.36	.28	.22	.17	.13	.10	.06
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	.37	.31	.26	.21	.18	.15	.12	.10	.09	.05
345 350	.38	.32	.26	.22	.18	.15	.13	.11	.09	.06
350 355	.39	.33	.27	.23	.19	.16	.13	.11	.09	.06
355 360	1.59	1.32	1.10	.92	.76	.64	.53	.44	.37	.23
FIRST HARMONIC										
AMPLITUDE	614.29	295.34	151.89	82.91	47.58	28.46	17.62	11.22	7.32	2.76
PHASE (IN HOURS)	1.38	1.59	1.79	1.99	2.18	2.36	2.56	2.75	2.96	3.52
SECOND HARMONIC										
AMPLITUDE	498.97	245.59	128.42	70.58	40.35	23.80	14.38	8.85	5.54	1.80
PHASE (IN HOURS)	1.43	1.60	1.76	1.90	2.03	2.16	2.28	2.41	2.54	2.93

VOSTOK,ANTARCTICA

GEOGRAPHIC LATITUDE = -78.47 GEOGRAPHIC LONGITUDE = 106.87

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	2.91	1.56	.83	.45	.24	.13	.07	.04	.02	.00
5 10	2.68	1.35	.68	.35	.18	.09	.05	.02	.01	.00
10 15	1.84	.86	.40	.19	.09	.04	.02	.01	.00	.00
15 20	2.07	.99	.48	.23	.12	.06	.03	.02	.01	.00
20 25	4.08	2.03	1.05	.57	.32	.18	.11	.07	.04	.01
25 30	6.81	3.28	1.67	.91	.54	.34	.24	.18	.15	.11
30 35	24.22	11.46	6.00	3.45	2.15	1.43	1.01	.75	.57	.35
35 40	16.93	10.60	7.19	5.13	3.77	2.83	2.16	1.67	1.30	.73
40 45	15.93	10.07	6.51	4.30	2.89	1.98	1.37	.96	.69	.31
45 50	20.09	10.96	6.33	3.83	2.41	1.57	1.04	.71	.49	.21
50 55	13.05	6.36	3.46	2.05	1.28	.82	.54	.36	.24	.09
55 60	6.30	3.66	2.15	1.28	.77	.47	.29	.18	.11	.04
60 65	6.92	3.94	2.30	1.37	.84	.52	.33	.22	.14	.05
65 70	6.25	3.35	1.81	.99	.55	.31	.17	.10	.06	.02
70 75	5.60	2.99	1.63	.90	.51	.29	.17	.10	.06	.02
75 80	7.39	3.60	1.76	.87	.43	.22	.11	.06	.03	.01
80 85	6.44	3.13	1.55	.79	.41	.22	.12	.07	.04	.01
85 90	7.65	3.49	1.61	.75	.35	.17	.08	.04	.02	.00
90 95	10.89	4.45	1.82	.74	.30	.12	.05	.02	.01	.00
95 100	17.65	7.26	3.07	1.34	.60	.28	.13	.06	.03	.01
100 105	15.03	5.00	1.67	.56	.19	.06	.02	.01	.00	.00
105 110	13.92	4.61	1.59	.58	.22	.09	.04	.02	.01	.00
110 115	1.30	.69	.36	.19	.10	.05	.03	.02	.01	.00
115 120	4.38	2.11	1.02	.49	.24	.12	.06	.03	.01	.00
120 125	.29	.13	.06	.03	.01	.01	.00	.00	.00	.00
125 130	1.26	.57	.25	.11	.05	.02	.01	.00	.00	.00
130 135	3.22	1.47	.67	.31	.14	.06	.03	.01	.01	.00
135 140	1.82	.77	.32	.14	.06	.02	.01	.00	.00	.00
140 145	4.08	1.73	.73	.31	.13	.06	.02	.01	.00	.00
145 150	4.98	1.94	.76	.30	.12	.05	.02	.01	.00	.00
150 155	1.34	.56	.24	.10	.04	.02	.01	.00	.00	.00
155 160	11.54	4.24	1.61	.63	.25	.11	.05	.02	.01	.00
160 165	0	0	0	0	0	0	0	0	0	0
165 170	5.37	1.97	.73	.27	.10	.04	.01	.00	.00	.00
170 175	4.25	1.41	.47	.15	.05	.02	.01	.00	.00	.00
175 180	5.58	1.69	.51	.16	.05	.01	.00	.00	.00	.00
180 185	0	0	0	0	0	0	0	0	0	0
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	.03	.01	.01	.00	.00	.00	.00	.00	.00	.00
200 205	0	0	0	0	0	0	0	0	0	0
205 210	.83	.41	.20	.10	.05	.02	.01	.01	.00	.00
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	.10	.04	.02	.01	.00	.00	.00	.00	.00	.00
225 230	7.12	2.36	.78	.26	.09	.03	.01	.00	.00	.00
230 235	.72	.34	.16	.07	.03	.02	.01	.00	.00	.00
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	.69	.31	.14	.06	.03	.01	.01	.00	.00	.00
250 255	0	0	0	0	0	0	0	0	0	0
255 260	.63	.27	.12	.05	.02	.01	.00	.00	.00	.00
260 265	.58	.25	.10	.04	.02	.01	.00	.00	.00	.00
265 270	2.19	.88	.36	.14	.06	.02	.01	.00	.00	.00
270 275	0	0	0	0	0	0	0	0	0	0
275 280	3.10	1.14	.42	.15	.06	.02	.01	.00	.00	.00
280 285	0	0	0	0	0	0	0	0	0	0
285 290	3.65	1.12	.34	.11	.03	.01	.00	.00	.00	.00
290 295	.32	.10	.03	.01	.00	.00	.00	.00	.00	.00
295 300	.28	.08	.02	.01	.00	.00	.00	.00	.00	.00
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	175.38	88.20	48.21	28.30	17.61	11.48	7.78	5.44	3.92	1.92
PHASE (IN HOURS)	-2.09	-2.57	-3.00	-3.36	-3.64	-3.85	-4.01	-4.14	-4.24	-4.42
SECOND HARMONIC										
AMPLITUDE	91.14	52.67	32.55	21.06	14.10	9.70	6.84	4.92	3.62	1.83
PHASE (IN HOURS)	8.98	8.64	8.37	8.18	8.03	7.92	7.83	7.75	7.69	7.55

WILKES,ANTARCTICA

GEOGRAPHIC LATITUDE = -66.42 GEOGRAPHIC LONGITUDE = 110.45

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	0	0	0	0	0	0	0	0	0	0
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	19.05	7.87	3.28	1.38	.59	.25	.11	.05	.02	.00
50 55	12.68	4.00	1.26	.40	.13	.04	.01	.00	.00	.00
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	1.48	.78	.41	.21	.11	.06	.03	.02	.01	.00
70 75	2.18	1.21	.67	.37	.21	.11	.06	.04	.02	.00
75 80	27.46	10.86	4.47	1.92	.86	.40	.19	.09	.05	.01
80 85	6.85	3.43	1.72	.87	.44	.23	.12	.06	.03	.01
85 90	8.64	4.39	2.24	1.15	.60	.31	.16	.09	.05	.01
90 95	14.37	7.46	3.92	2.09	1.13	.63	.35	.20	.12	.03
95 100	20.06	10.61	5.78	3.24	1.86	1.09	.65	.40	.24	.07
100 105	61.50	32.20	17.74	10.22	6.11	3.76	2.37	1.52	.99	.36
105 110	83.83	42.71	24.46	15.29	10.13	6.99	4.96	3.60	2.66	1.35
110 115	43.81	21.29	11.20	6.33	3.79	2.38	1.55	1.04	.71	.30
115 120	13.91	8.13	4.88	2.99	1.86	1.18	.75	.49	.32	.12
120 125	11.43	5.80	3.08	1.69	.96	.55	.32	.19	.12	.03
125 130	9.83	4.86	2.41	1.20	.60	.30	.15	.07	.04	.01
130 135	6.37	2.94	1.39	.68	.34	.17	.09	.05	.02	.01
135 140	20.24	8.83	3.88	1.71	.76	.34	.15	.07	.03	.00
140 145	18.98	6.65	2.37	.86	.32	.12	.05	.02	.01	.00
145 150	7.42	3.48	1.65	.79	.38	.19	.09	.05	.02	.00
150 155	6.76	2.74	1.11	.45	.18	.07	.03	.01	.00	.00
155 160	7.55	2.77	1.02	.37	.14	.05	.02	.01	.00	.00
160 165	10.33	3.33	1.08	.35	.11	.04	.01	.00	.00	.00
165 170	5.71	2.12	.84	.35	.15	.07	.03	.02	.01	.00
170 175	0	0	0	0	0	0	0	0	0	0
175 180	1.42	.66	.31	.14	.07	.03	.01	.01	.00	.00
180 185	0	0	0	0	0	0	0	0	0	0
185 190	1.00	.45	.20	.09	.04	.02	.01	.00	.00	.00
190 195	0	0	0	0	0	0	0	0	0	0
195 200	.75	.33	.14	.06	.03	.01	.01	.00	.00	.00
200 205	.58	.24	.10	.04	.02	.01	.00	.00	.00	.00
205 210	.46	.19	.08	.03	.01	.01	.00	.00	.00	.00
210 215	0	0	0	0	0	0	0	0	0	0
215 220	1.27	.51	.21	.08	.03	.01	.01	.00	.00	.00
220 225	0	0	0	0	0	0	0	0	0	0
225 230	0	0	0	0	0	0	0	0	0	0
230 235	0	0	0	0	0	0	0	0	0	0
235 240	1.59	.58	.21	.08	.03	.01	.00	.00	.00	.00
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	1.19	.40	.13	.04	.01	.00	.00	.00	.00	.00
265 270	0	0	0	0	0	0	0	0	0	0
270 275	.68	.27	.08	.03	.01	.00	.00	.00	.00	.00
275 280	.72	.21	.06	.02	.01	.00	.00	.00	.00	.00
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	373.49	180.18	93.49	51.82	30.40	18.71	11.98	7.93	5.41	2.31
PHASE (IN HOURS)	-.08	-.12	-.16	-.18	-.20	-.21	-.22	-.22	-.21	-.20
SEOOND HARMONIC										
AMPLITUDE	272.24	139.24	76.32	44.34	27.03	17.13	11.21	7.55	5.21	2.26
PHASE (IN HOURS)	-.15	-.18	-.20	-.22	-.22	-.23	-.22	-.22	-.22	-.20

ILLEGAL I/O ON UNIT 50

YAKUTSK, U.S.S.R.

GEOGRAPHIC LATITUDE = 62.02 GEOGRAPHIC LONGITUDE = 129.72

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	0	0	0	0	0	0	0	0	0	0
5 10	.17	.16	.15	.14	.13	.12	.11	.10	.09	.07
10 15	0	0	0	0	0	0	0	0	0	0
15 20	0	0	0	0	0	0	0	0	0	0
20 25	0	0	0	0	0	0	0	0	0	0
25 30	0	0	0	0	0	0	0	0	0	0
30 35	0	0	0	0	0	0	0	0	0	0
35 40	0	0	0	0	0	0	0	0	0	0
40 45	0	0	0	0	0	0	0	0	0	0
45 50	0	0	0	0	0	0	0	0	0	0
50 55	0	0	0	0	0	0	0	0	0	0
55 60	0	0	0	0	0	0	0	0	0	0
60 65	0	0	0	0	0	0	0	0	0	0
65 70	0	0	0	0	0	0	0	0	0	0
70 75	11.89	3.74	1.18	.37	.12	.04	.01	.00	.00	.00
75 80	8.23	3.12	1.19	.45	.17	.07	.03	.01	.00	.00
80 85	1.84	.77	.32	.13	.06	.02	.01	.00	.00	.00
85 90	.97	.42	.18	.08	.03	.01	.01	.00	.00	.00
90 95	0	0	0	0	0	0	0	0	0	0
95 100	3.51	1.18	.41	.15	.06	.02	.01	.00	.00	.00
100 105	7.15	2.30	.74	.24	.08	.03	.01	.00	.00	.00
105 110	4.61	1.69	.62	.23	.08	.03	.01	.00	.00	.00
110 115	0	0	0	0	0	0	0	0	0	0
115 120	4.61	1.93	.81	.34	.14	.06	.03	.01	.00	.00
120 125	1.01	.43	.18	.08	.03	.01	.01	.00	.00	.00
125 130	47.93	16.71	5.93	2.14	.78	.29	.11	.04	.02	.00
130 135	27.70	10.93	4.44	1.85	.79	.34	.15	.07	.03	.00
135 140	18.87	7.18	2.78	1.09	.43	.17	.07	.03	.01	.00
140 145	15.11	6.76	3.09	1.44	.68	.33	.16	.08	.04	.01
145 150	8.95	4.05	1.84	.85	.39	.18	.09	.04	.02	.00
150 155	11.43	5.24	2.52	1.26	.65	.34	.18	.10	.05	.01
155 160	12.26	5.83	2.86	1.43	.73	.38	.20	.11	.06	.01
160 165	30.45	14.10	7.04	3.73	2.06	1.18	.68	.40	.24	.07
165 170	103.38	58.41	33.89	20.06	12.05	7.31	4.48	2.76	1.71	.52
170 175	78.99	44.82	25.79	15.05	8.91	5.34	3.24	1.99	1.24	.39
175 180	75.55	35.44	17.89	9.65	5.51	3.29	2.04	1.29	.84	.30
180 185	36.04	22.74	14.71	9.71	6.51	4.42	3.03	2.09	1.45	.59
185 190	14.04	8.83	5.78	3.92	2.72	1.93	1.39	1.01	.74	.34
190 195	6.67	3.79	2.20	1.31	.80	.51	.33	.22	.15	.06
195 200	2.54	1.98	1.54	1.20	.93	.73	.56	.44	.34	.18
200 205	5.77	3.31	2.00	1.28	.85	.60	.43	.32	.24	.12
205 210	5.22	3.20	2.09	1.44	1.04	.77	.58	.44	.34	.18
210 215	4.33	2.19	1.18	.69	.44	.29	.21	.15	.12	.06
215 220	2.12	.89	.37	.15	.06	.03	.01	.00	.00	.00
220 225	2.58	1.04	.42	.17	.07	.03	.01	.00	.00	.00
225 230	2.86	1.05	.39	.14	.05	.02	.01	.00	.00	.00
230 235	0	0	0	0	0	0	0	0	0	0
235 240	2.81	1.49	.96	.71	.56	.45	.37	.31	.26	.16
240 245	1.78	.95	.62	.47	.37	.30	.25	.21	.17	.11
245 250	1.51	.86	.59	.46	.37	.31	.25	.21	.18	.11
250 255	.38	.32	.27	.22	.18	.15	.13	.11	.09	.06
255 260	0	0	0	0	0	0	0	0	0	0
260 265	.39	.33	.27	.23	.19	.16	.13	.11	.09	.06
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	0	0	0	0	0	0	0	0	0	0
340 345	0	0	0	0	0	0	0	0	0	0
345 350	0	0	0	0	0	0	0	0	0	0
350 355	0	0	0	0	0	0	0	0	0	0
355 360	0	0	0	0	0	0	0	0	0	0
FIRST HARMONIC										
AMPLITUDE	493.67	248.91	134.09	76.32	45.42	28.01	17.78	11.56	7.67	2.97
PHASE (IN HOURS)	2.11	2.38	2.61	2.82	3.00	3.16	3.31	3.47	3.62	4.03
SECOND HARMONIC										
AMPLITUDE	357.73	192.89	109.28	64.26	38.90	24.11	15.25	9.82	6.42	2.38
PHASE (IN HOURS)	2.32	2.54	2.71	2.85	2.98	3.09	3.21	3.32	3.44	3.78

ZUGSPITZE,GERMANY

GEOGRAPHIC LATITUDE = 47.42 GEOGRAPHIC LONGITUDE = 10.98

ASY.LONG./BETA=	+0.6	+0.4	+0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.5
0 5	9.33	3.37	1.22	.44	.16	.06	.02	.01	.00	.00
5 10	11.36	4.50	1.82	.75	.31	.13	.06	.02	.01	.00
10 15	14.18	4.88	1.72	.62	.23	.09	.03	.01	.01	.00
15 20	26.04	9.08	3.29	1.24	.49	.20	.09	.04	.02	.00
20 25	59.17	20.43	7.09	2.48	.87	.31	.11	.04	.01	.00
25 30	27.10	11.17	4.62	1.91	.79	.33	.14	.06	.02	.00
30 35	27.40	11.79	5.09	2.21	.96	.42	.18	.08	.04	.00
35 40	28.04	12.14	5.45	2.52	1.19	.57	.28	.14	.07	.01
40 45	20.63	9.16	4.19	1.97	.94	.46	.23	.11	.06	.01
45 50	12.51	5.02	2.04	.84	.35	.15	.06	.03	.01	.00
50 55	32.48	15.89	7.88	3.96	2.01	1.03	.53	.28	.15	.03
55 60	23.15	11.84	6.14	3.23	1.72	.92	.50	.27	.15	.03
60 65	39.99	17.53	8.10	3.90	1.94	.99	.51	.27	.14	.03
65 70	38.47	18.65	9.37	4.85	2.58	1.40	.77	.43	.24	.06
70 75	41.11	21.84	11.78	6.45	3.57	2.00	1.13	.65	.37	.10
75 80	49.89	28.22	16.11	9.27	5.37	3.13	1.84	1.09	.64	.18
80 85	28.66	16.66	9.77	5.79	3.45	2.08	1.26	.77	.47	.14
85 90	18.94	11.88	7.47	4.71	2.97	1.88	1.19	.76	.48	.16
90 95	19.19	12.41	8.03	5.21	3.38	2.20	1.44	.94	.61	.21
95 100	11.25	7.65	5.21	3.57	2.45	1.69	1.17	.81	.56	.23
100 105	8.17	5.47	3.67	2.46	1.65	1.11	.74	.50	.33	.12
105 110	2.07	1.39	.93	.62	.41	.28	.18	.12	.08	.03
110 115	6.73	4.68	3.26	2.27	1.58	1.10	.77	.53	.37	.15
115 120	6.46	4.40	3.00	2.05	1.40	.95	.65	.44	.30	.12
120 125	2.20	1.52	1.04	.72	.49	.34	.23	.16	.11	.04
125 130	4.54	3.17	2.22	1.56	1.09	.76	.53	.37	.26	.11
130 135	0	0	0	0	0	0	0	0	0	0
135 140	3.07	2.27	1.68	1.24	.92	.68	.50	.37	.28	.13
140 145	0	0	0	0	0	0	0	0	0	0
145 150	9.24	6.52	4.60	3.24	2.29	1.62	1.14	.81	.57	.24
150 155	0	0	0	0	0	0	0	0	0	0
155 160	2.32	1.65	1.17	.83	.59	.42	.30	.21	.15	.06
160 165	2.33	1.66	1.18	.84	.60	.42	.30	.21	.15	.06
165 170	0	0	0	0	0	0	0	0	0	0
170 175	0	0	0	0	0	0	0	0	0	0
175 180	2.29	1.63	1.16	.82	.58	.42	.30	.21	.15	.06
180 185	3.02	2.23	1.65	1.22	.91	.67	.50	.37	.27	.13
185 190	0	0	0	0	0	0	0	0	0	0
190 195	0	0	0	0	0	0	0	0	0	0
195 200	0	0	0	0	0	0	0	0	0	0
200 205	0	0	0	0	0	0	0	0	0	0
205 210	0	0	0	0	0	0	0	0	0	0
210 215	0	0	0	0	0	0	0	0	0	0
215 220	0	0	0	0	0	0	0	0	0	0
220 225	0	0	0	0	0	0	0	0	0	0
225 230	3.05	2.26	1.67	1.24	.91	.68	.50	.37	.27	.13
230 235	0	0	0	0	0	0	0	0	0	0
235 240	0	0	0	0	0	0	0	0	0	0
240 245	0	0	0	0	0	0	0	0	0	0
245 250	0	0	0	0	0	0	0	0	0	0
250 255	0	0	0	0	0	0	0	0	0	0
255 260	0	0	0	0	0	0	0	0	0	0
260 265	3.00	2.22	1.65	1.22	.90	.67	.49	.37	.27	.13
265 270	0	0	0	0	0	0	0	0	0	0
270 275	0	0	0	0	0	0	0	0	0	0
275 280	0	0	0	0	0	0	0	0	0	0
280 285	0	0	0	0	0	0	0	0	0	0
285 290	0	0	0	0	0	0	0	0	0	0
290 295	0	0	0	0	0	0	0	0	0	0
295 300	0	0	0	0	0	0	0	0	0	0
300 305	0	0	0	0	0	0	0	0	0	0
305 310	0	0	0	0	0	0	0	0	0	0
310 315	0	0	0	0	0	0	0	0	0	0
315 320	0	0	0	0	0	0	0	0	0	0
320 325	0	0	0	0	0	0	0	0	0	0
325 330	0	0	0	0	0	0	0	0	0	0
330 335	0	0	0	0	0	0	0	0	0	0
335 340	16.81	5.30	1.67	.53	.17	.05	.02	.01	.00	.00
340 345	8.45	3.10	1.14	.42	.15	.06	.02	.01	.00	.00
345 350	9.71	3.84	1.53	.62	.25	.10	.04	.02	.01	.00
350 355	14.29	5.56	2.48	1.28	.75	.48	.32	.22	.16	.07
355 360	8.76	3.18	1.18	.45	.17	.07	.03	.01	.00	.00
FIRST HARMONIC										
AMPLITUDE	514.07	242.01	122.71	66.33	37.73	22.31	13.60	8.48	5.39	1.85
PHASE (IN HOURS)	2.71	3.28	3.83	4.35	4.81	5.22	5.58	5.90	6.19	6.83
SECOND HARMONIC										
AMPLITUDE	283.33	133.93	70.14	39.41	23.13	13.95	8.58	5.36	3.40	1.15
PHASE (IN HOURS)	2.62	3.20	3.73	4.17	4.54	4.85	5.12	5.35	5.56	6.02