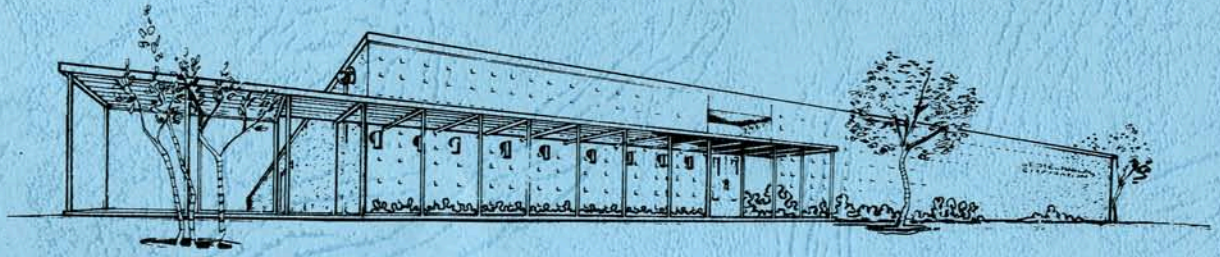
Bulletin No. 13
January 1963

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No:	VT/074
ARPA Order No:	104-60
ARPA Code No:	8100
Contractor:	The Geotechnical Corporation Garland, Texas
Contract No:	AF 33(600)-41694

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SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at ten of the forty mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/074, Contract AF 33(600)-41694, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the forty teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM sites consists of a three-component Benioff short-period seismograph system and a three-component Sprengnether long-period seismograph system. Both systems contain phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by fourteen-channel Magnetic Tape Recorders, Ampex Model 314.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G.C.T.).

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table.

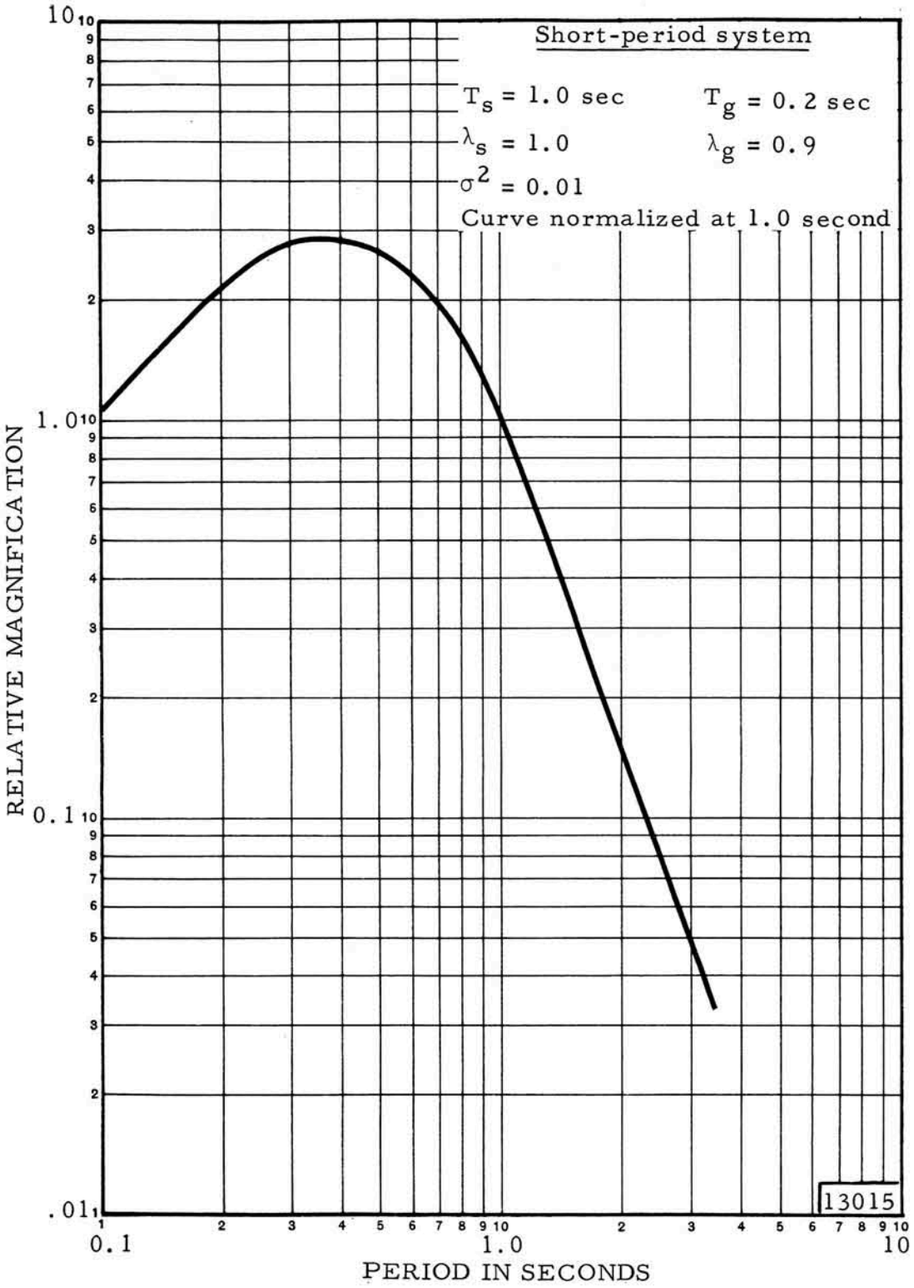

Figure 1. Frequency response of the short-period seismograph system

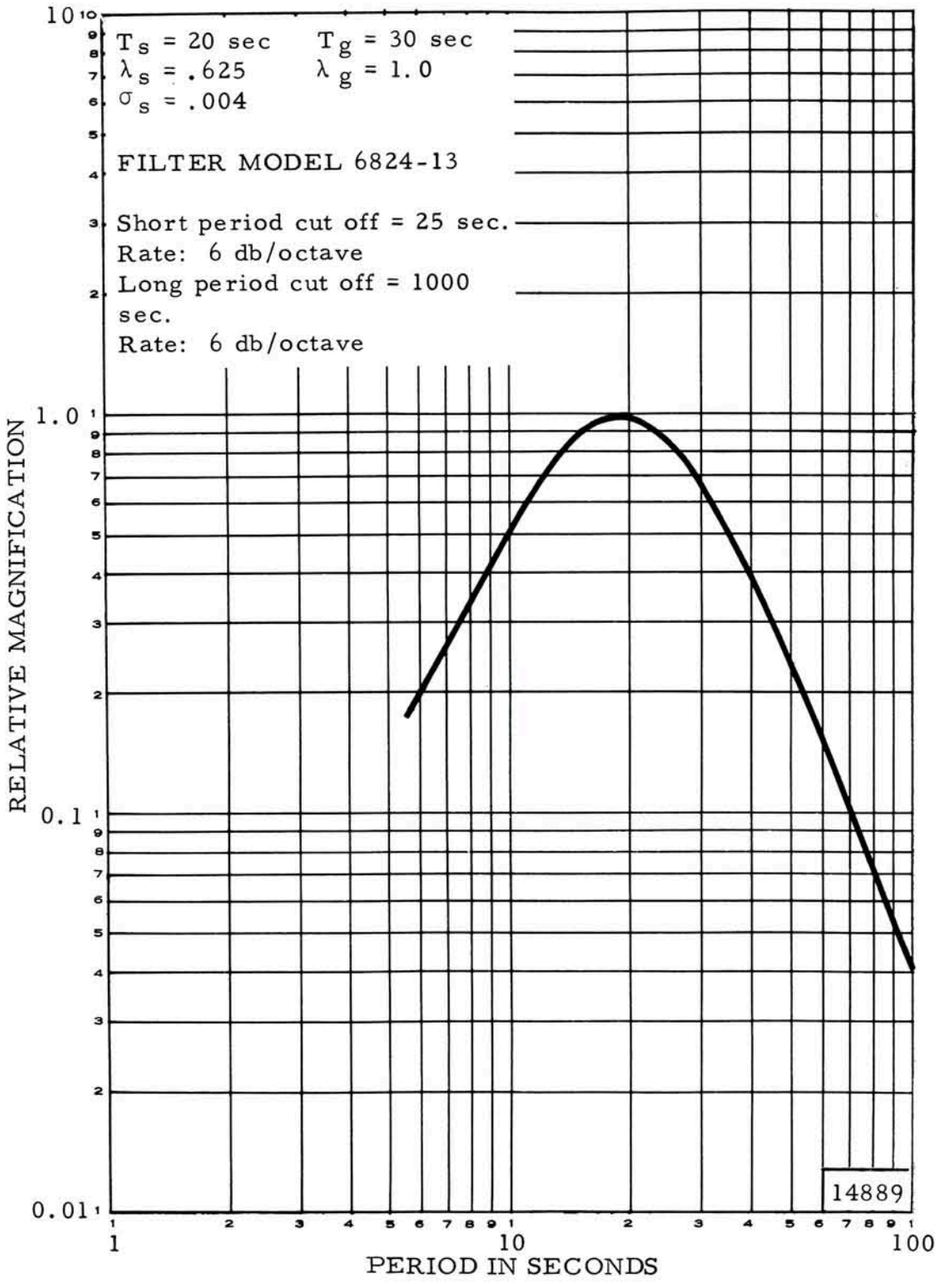

Figure 2. Frequency response of the long-period seismograph system

Station Designator	Location
SJ	San Jose, Texas
LC	Las Cruces, New Mexico
CP	Campo, California
MV	Marysville, California
WI	Winnemucca, Nevada
MN	Mina, Nevada
FM	Fillmore, Utah
NG	Niagara, Wisconsin
DH	Delhi, New York
TF	Taft, California

The locations of the stations are shown in figure 3.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (G.C.T.). Arrival times indicate that time at which phase motion is first detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

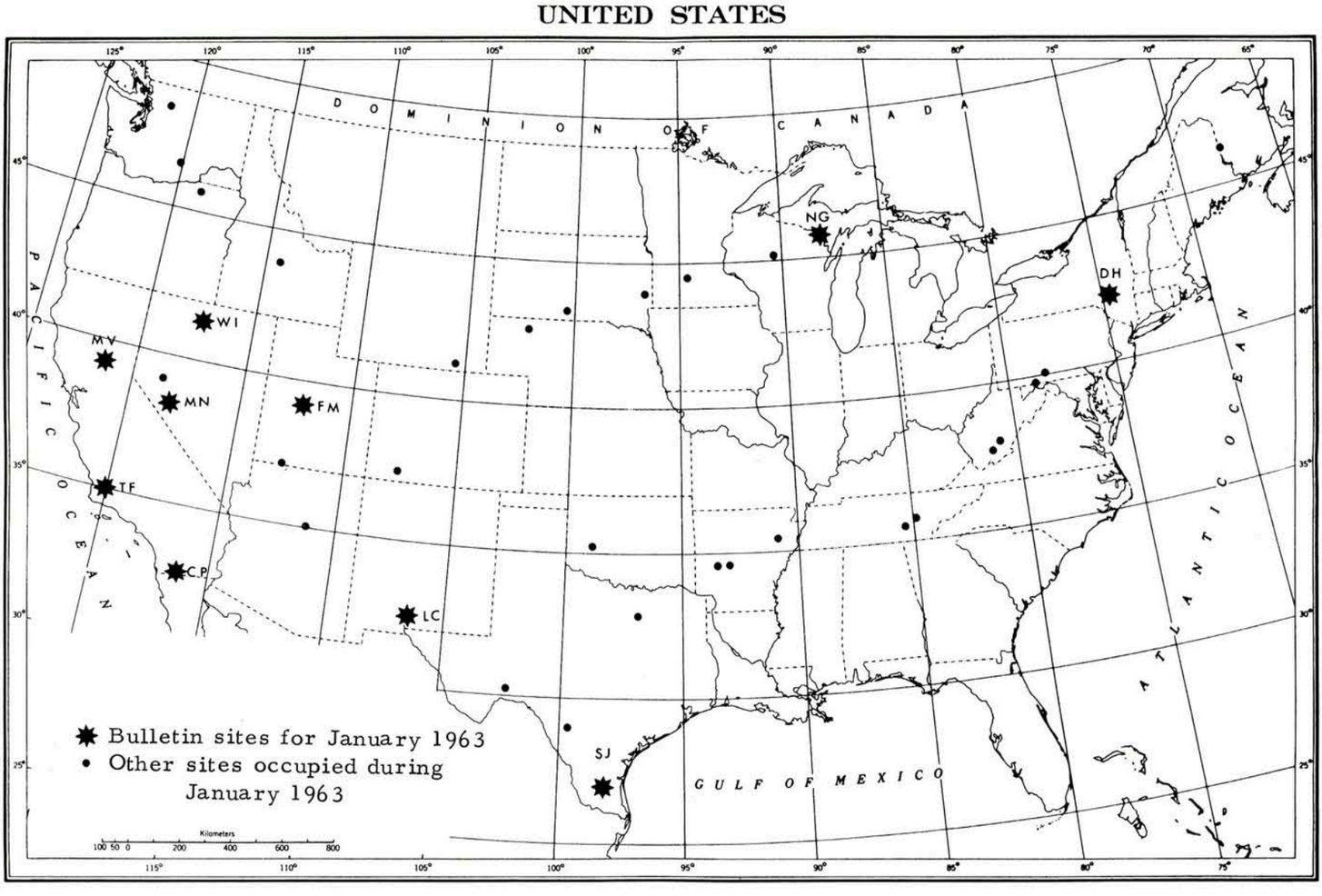

Figure 3. LRSM Program Sites

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given in the following table:

Z	Short-Period Vertical
R*	Short-Period Radial (horizontal)
T*	Short-Period Transverse (horizontal)
LZ	Long-Period Vertical
LR*	Long-Period Radial (horizontal)
LT*	Long-Period Transverse (horizontal)

* Refer to table 1 for Instrument Orientation.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

3.7 AMP This column contains the amplitude of the phase given in millimicrons of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$$30.0\ (2) = 30 \times 10^{2} = 3000\ m\mu$$
$$30.0\ (1) = 30 \times 10^{1} = 300\ m\mu$$
$$30.0\ (0) = 30 \times 10^{0} = 30.0\ m\mu$$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

TABLE 1

LRSM SITE INFORMATION

Horizontal seismometer orientation

Site Designation	Site Location	Azimuth from True North in Degrees* Radial	Trans-verse	Site Coordinates in deg, min, sec	Elevation in km	Rock Type
SJ TX	San Jose, Texas	127	217	N 27 36 43 W 98 18 46	0.114	Limestone
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58	1.585	Limestone
CP CL	Campo, California	182	272	N 32 43 44 W 116 22 16	1.189	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35	0.183	Volcanics
WI NV	Winnemucca, Nevada	346	076	N 41 21 02 W 117 27 30	1.524	Limestone
MN NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.524	Limestone
FM UT	Fillmore, Utah	058	148	N 39 13 06 W 112 12 25	1.890	Limestone
NG WS	Niagara, Wisconsin	078	168	N 45 45 27 W 88 08 57	0.396	Granite
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18	0.652	Sandstone
TF CL	Taft, California	235	325	N 35 09 49 W 119 58 03	0.792	Sandstone

*When earth moves in direction shown, trace moves up.

3.8 DIST This is the distance from the recording station to the epicenter. Distance is given to the nearest 1/10 of a degree for distances up to six degrees. Beyond six degrees, calculations are made to the nearest one degree based on travel times given in the Jeffreys and Bullen Seismological Tables. P-O times are used to determine distances to the epicenters located by the USC&GS. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases the major arc distance is given.

3.9 MAG The Unified Magnitude (m) of the earthquake is determined by:

$$m = \log_{10} A + B$$

where m = Unified magnitude

A = 1/2 P-P amplitude in millimicrons/second of the "P" phase (initial arrival)

B = Log function of distance and depth.

These factors were obtained from the Gutenberg-Richter tables. Computations for distances less than 16^{o} are based on AFTAC extensions of Gutenberg's tables.[1] For this purpose, points from 10^{o} to 16^{o} were read from a curve in the Gutenberg-Richter paper and an inverse cube relationship was used to extrapolate from 2^{o} to 10^{o}.

The average magnitude $\frac{\text{sum of station magnitudes}}{\text{number of stations}}$ is listed on the last line of an epicenter print-out.

When possible, magnitudes (m) are computed for foreshocks and aftershocks as well as for the main event.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

[1] Gutenberg, B., and Richter, C.F., 1956, Magnitude and energy of earthquakes: Ann. Geofis., 9, pp. 1-15

The notation AS located between these columns calls attention to an aftershock recorded following the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

First group:	day of the month
Second group:	origin time of the event
Third group:	geographic coordinates of the epicenter
Fourth group:	geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to $1/2^{o}$ in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group:	depth (h) of the hypocenter in kilometers
Second group:	magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), or Palisades (PAL)

NOTE

MAG. (CGS) is m_b of Gutenberg and Richter from the P phase only. The Magnitude quoted is an average value determined from data forwarded by cooperating Standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of :

HQ USAF (AFTAC/TD-1)
Attn: Captain N.G. Maddox
Washington 25, D.C.

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	04 05 27.5		06.9 N 073.1 W COLOMBIA H =151 KM					
1	SJ	eP	04 11 37.8	Z	0.6	11.5 (0)	32.0	4.73
1	DH	eP	04 12 10.7	Z	0.7	40.3 (0)	35.0	5.30
1	LC	iP	04 12 51.9C	Z	1.0	61.5 (0)	40.0	5.23
		e	04 13 43	Z	0.9	15.1 (0)		
		eSCP	04 18 29	Z	1.0	6.1 (0)		
1	NG	eP	04 12 56.2	Z	0.6	52.7 (0)	41.0	5.39
1	FM	eP	04 13 51.7	Z	0.8	15.5 (0)	48.0	4.68
1	MN	eP	04 14 19.0	Z	0.8	6.1 (0)	51.0	4.43
1	TF	eP	04 14 19.4	Z	1.0	12.6 (0)	51.0	4.64
1	WI	eP	04 14 24.8	Z	0.6	10.2 (0)	52.0	4.77
1	MV	eP	04 14 37.5	Z	999.9	99.9 (9)	54.0	
							AVG.	4.90
1	MN	eP	06 30 06.8	Z	0.4	10.4 (0)	1.4	
		eS	06 30 24	T	0.4	12.1 (0)		
1	LC	eP	07 15 53.8	Z	0.8	2.9 (0)		
1	MN	iP	10 28 28.6C	Z	999.9	99.9 (9)		
1	WI	eP	10 29 09.6	Z	0.5	0.8 (0)	5.5	
		e	10 29 21	Z	0.5	10.4 (0)		
		eS	10 30 15	R	0.5	18.0 (0)		
1	12 17 38.6		06.8 S 155.9 E SOLOMON ISLANDS H =165 KM					
1	MN	eP	12 30 25.0	Z	999.9	99.9 (9)	91.0	
		ePP	12 34 02	Z	2.0	40.0 (0)		
1	WI	eP	12 30 29.4	Z	0.7	6.0 (0)	92.0	4.85
1	CP	eP	12 30 29.5	Z	1.0	5.8 (0)	92.0	4.67
		epP	12 31 05	Z	1.0	4.3 (0)		
							AVG.	4.76
1	12 50 21.7		07.4 N 074.1 W COLOMBIA H =033 KM					
1	LC	eP	12 57 48.5	Z	0.9	9.4 (0)	39.0	4.52
1	WI	eP	12 59 21.7	Z	0.6	1.3 (0)	51.0	4.09
							AVG.	4.31
1	13 48 06.5		20.8 N 144.6 E MARIANA ISLANDS H =043 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	WI	eP	14 00 25.4	Z	999.9	99.9 (9)	82.0	
1	TF	eP	14 00 26.9	Z	1.1	10.3 (0)	83.0	4.84
1	MN	eP	14 00 28.4	Z	1.0	12.8 (0)	83.0	4.97
		eLR	14 25 58	LZ	25	57.8 (1)		
		eL	14 29 25	LZ	22	49.6 (1)		
		eL	14 29 25	LR	20	40.5 (1)		
		eL	14 29 25	LT	22	19.9 (1)		
1	CP	eP	14 00 45.7	Z	999.9	99.9 (9)	86.0	
1	FM	eP	14 00 48.4	Z	0.8	7.7 (0)	87.0	4.90
1	LC	eP	14 01 21.5	Z	0.8	5.8 (0)	94.0	5.00
							AVG.	4.93
1	14 43 06.0		03.4 N 122.9 E CELEBES SEA H =590 KM					
1	16 27 38.1		20.0 S 175.4 W TONGA ISLANDS H =130 KM					
1	TF	eP	16 39 13.4	Z	1.0	29.4 (0)	76.0	5.03
		epP	16 39 45	Z	1.0	21.0 (0)		
1	CP	eP	16 39 18.8	Z	1.0	26.3 (0)	77.0	4.99
		epP	16 39 50	Z	1.1	14.4 (0)		
1	MV	eP	16 39 21.9	Z	999.9	99.9 (9)	78.0	
		epP	16 39 53	Z	0.9	6.2 (0)		
1	MN	eP	16 39 30.0	Z	0.9	30.2 (0)	79.0	5.09
		epP	16 40 02	Z	1.0	30.4 (0)		
1	WI	eP	16 39 42.1	Z	999.9	99.9 (9)	81.0	
		epP	16 40 14	Z	1.0	16.6 (0)		
1	FM	eP	16 39 53.4	Z	1.0	26.3 (0)	84.0	5.06
		epP	16 40 25	Z	0.8	6.2 (0)		
1	LC	iP	16 39 56.2C	Z	1.0	56.6 (0)	84.0	5.39
		epP	16 40 28	Z	0.9	30.3 (0)		
1	SJ	eP	16 40 17.5	Z	0.6	9.5 (0)	88.0	4.94
		epP	16 40 50	Z	999.9	99.9 (9)		
							AVG.	5.08
1	17 49 31.0		06.9 S 155.5 E SOLOMON ISLANDS H =082 KM					
1	MN	eP	18 38 28.0	Z	0.3	0.8 (0)	3.0	
		e	18 38 32	Z	0.4	2.7 (0)		
		eS	18 39 05	T	0.7	11.1 (0)		
1	19 35 55.1		40.2 S 081.3 E INDIAN OCEAN H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	MN	eP'1	19 56 00.0	Z	999.9	99.9 (9)	165.0	
		eLR	20 58 00	LZ	28	92.2 (1)		
1	WI	eP'1	19 56 03.0	Z	1.1	8.2 (0)	166.0	
		eP'2	19 57 06	Z	1.5	19.6 (0)		
		ePP	20 00 53.8	Z	1.5	9.8 (0)		
		eLR	20 53 52	LZ	38	76.9 (1)		
1	LC	eSS	20 21 58	LT	999.9	99.9 (9)	169.0	
		eLR	20 56 46	LZ	27	89.3 (1)		
		eL	21 19 33	LZ	20	11.5 (2)		
		eL	21 19 33	LR	20	14.7 (2)		
1	TF	e	20 22 03	LR	29	99.9 (9)	162.0	
		eSSS	20 27 33	LR	24	99.9 (9)		
		e	20 35 13	LR	33	99.9 (9)		
		eLR	20 52 24	LZ	28	99.9 (9)		
		eL	21 25 40	LZ	21	99.9 (9)		
		eL	21 25 40	LR	21	99.9 (9)		
		eL	21 25 40	LT	18	99.9 (9)		
1	NG	eLR	20 55 51	LZ	29	97.6 (1)	170.0	
		eL	21 02 50	LZ	24	24.6 (2)		
		eL	21 02 50	LR	25	17.0 (2)		
		eL	21 02 50	LT	24	85.8 (1)		
1	FM	eLR	20 57 40	LZ	28	15.4 (1)	169.0	
1	23 39 05.6		56.6 N 157.7 W ALASKA PENINSULA					
			H =050 KM MAG 6.50- PAS					
1	MV	eP	23 45 06.8	Z	999.9	99.9 (9)	29.0	
		eP	23 45 07	LZ	999.9	99.9 (9)		
		e	23 51 45	Z	1.8	10.7 (1)		
		eSCS	23 55 40	T	2.0	95.2 (0)		
1	WI	iP	23 45 12.3D	Z	999.9	99.9 (9)	30.0	
		eP	23 45 12	LZ	999.9	99.9 (9)		
		eSCS	23 55 44	T	2.0	10.7 (1)		
		e	23 56 21	R	4.0	83.6 (1)		
1	MN	iP	23 45 27.1D	Z	999.9	99.9 (9)	32.0	
		eP	23 45 28	LZ	999.9	99.9 (9)		
		e	23 50 34	LT	999.9	99.9 (9)		
		e	23 51 52	Z	1.8	12.2 (1)		
		eSCS	23 55 53	T	2.7	17.8 (1)		
		e	23 56 29	T	2.8	21.7 (1)		
1	TF	eP	23 45 40.9	Z	999.9	99.9 (9)	33.0	
		eP	23 45 40	LZ	999.9	99.9 (9)		
		e	23 45 58	Z	1.7	17.5 (2)		
		ePP	23 47 11	Z	1.7	45.5 (1)		
		eS	23 51 00	LR	999.9	99.9 (9)		
		eL	23 53 35	LT	999.9	99.9 (9)		
1	FM	iP	23 45 50.2D	Z	0.8	19.9 (1)	34.0	6.04
		e	23 51 48	R	4.0	12.5 (2)		
1	CP	iP	23 46 12.6D	Z	999.9	99.9 (9)	37.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	23 46 13	LZ	999.9	99.9 (9)		
		e	23 46 30	Z	1.2	38.7 (1)		
		e	23 52 11	Z	2.0	14.6 (1)		
1	LC	iP	23 46 58.0D	Z	1.6	49.2 (1)	43.0	5.98
		eP	23 46 58	LZ	14	62.0 (1)		
		eP	23 47 15	Z	1.2	33.7 (1)		
		ePP	23 48 38	LZ	18	13.8 (2)		
		eS	23 53 15	LT	16	19.6 (2)		
		e	23 53 48	LT	17	99.9 (9)		
		e	23 56 39	LR	999.9	99.9 (9)		
1	NG	eP	23 47 02.5	Z	999.9	99.9 (9)	43.0	
		eP	23 47 03	LZ	999.9	99.9 (9)		
		ePP	23 48 41	LZ	999.9	99.9 (9)		
		eS	23 53 10	LR	999.9	99.9 (9)		
		eS	23 53 20	R	2.8	31.9 (2)		
		eS	23 53 20	T	2.0	28.1 (1)		
1	SJ	eP	23 48 02.5	Z	999.9	99.9 (9)	51.0	
		eP	23 48 03	LZ	999.9	99.9 (9)		
		e	23 48 21	Z	999.9	99.9 (9)		
		ePP	23 49 50	LZ	14	99.9 (9)		
		e	23 54 40	LT	16	12.9 (1)		
1	DH	eP	23 48 14.8	Z	0.7	19.6 (1)	52.0	6.19
		eS	23 55 34	LR	18	57.3 (2)		
		eS	23 55 34	LT	17	22.2 (2)		
		eS	23 55 35	R	2.1	10.2 (2)		
		eS	23 55 35	T	2.0	49.1 (1)		
							AVG.	6.07
2	WI	eP	00 17 52.1	Z	0.8	1.0 (0)		
2	WI	e	00 20 46	Z	1.6	11.4 (0)		
2	MN	eP	00 33 38.5	Z	1.0	4.0 (0)		
2	00 53 49.1		17.5 N 082.7 W SWAN ISLANDS REGION					
			H =033 KM					
2	SJ	eP	00 57 51.0	Z	999.9	99.9 (9)	17.0	
		e	00 57 56	Z	0.5	48.4 (0)		
2	LC	eP	00 59 22.1	Z	0.8	4.0 (0)	26.0	4.07
2	MN	eP	01 01 00.5	Z	0.9	2.4 (0)	37.0	4.00
							AVG.	4.03
2	01 15 50.6		04.6 S 105.9 W GALAPAGOS ISLANDS					
			H =033 KM					
2	LC	eP	01 22 59.2	Z	0.9	2.8 (0)	37.0	4.06
		eLQ	01 32 36	LR	24	22.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	01 33 05	LZ	17	50.2 (1)		
		eL	01 33 05	LR	24	22.1 (2)		
		eL	01 33 05	LT	22	10.8 (2)		
2	TF	eP	01 23 38.7	Z	1.0	16.8 (0)	42.0	4.75
2	WI	eP	01 24 19.6	Z	1.2	15.3 (0)	47.0	4.90
		e	01 25 26	Z	1.0	7.7 (0)		
		eL	01 38 00	LZ	32	96.4 (0)		
2	CP	eLR	01 33 55	LZ	23	15.8 (2)	38.0	
2	MV	eLR	01 37 40	LZ	23	35.4 (2)	46.0	
							AVG.	4.57

2 03 23 29.5 05.8 S 150.0 E NEW BRITAIN ISLAND
H =033 KM

2	MN	eP	03 36 50.5	Z	0.8	4.7 (0)	95.0	4.97

2 05 35 40.1 17.4 S 178.6 W FIJI ISLANDS REGION
H =540 KM

2 09 24 34.0 04.6 S 144.8 E NORTHEAST NEW GUINEA
H =051 KM

2 09 53 36.7 10.0 N 084.8 W WEST COAST OF COSTA RICA
H =151 KM

2 11 57 21.2 51.4 N 178.4 W ANDREANOF - ALEUTIAN IS.
H =029 KM

2 14 56 05.4 04.1 S 135.2 E NEAR COAST W. NEW GUINEA
H =033 KM

2 15 55 47.9 52.9 S 118.2 W SOUTH PACIFIC OCEAN
H =033 KM

2 17 59 38.8 04.3 S 135.2 E NEAR S. COAST NEW GUINEA
H =033 KM

2 18 30 52.7 10.7 S 165.0 E SANTA CRUZ ISLANDS
H =039 KM

2	LC	eP	18 31 48.7	Z	0.2	1.8 (0)	1.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	18 32 05	T	0.3	1.0 (0)		
2	MN	eP	21 48 01.0	Z	0.7	1.1 (0)		

3 03 05 03.5 29.7 N 130.1 E RYUKYU ISLANDS
H =033 KM

3	MV	eP	03 17 34.6	Z	1.0	11.2 (0)	85.0	4.95
		e	03 28 23	LT	21	43.1 (1)		
		eLQ	03 40 42	LT	31	12.4 (2)		
		eLR	03 45 17	LZ	27	45.6 (1)		
3	WI	eP	03 17 42.0	Z	0.9	15.2 (0)	86.0	5.06
		eS	03 28 10	LR	18	20.6 (1)		
		eS	03 28 10	LT	18	64.4 (1)		
		eLR	03 48 45	LZ	23	58.5 (1)		
3	MN	eP	03 17 47.6	Z	0.9	6.1 (0)	87.0	4.76
		eP	03 17 50	LZ	15	17.8 (1)		
		eS	03 28 28	LR	19	27.7 (1)		
		eS	03 28 28	LT	20	43.0 (1)		
		eLQ	03 41 27	LT	24	49.3 (1)		
		eLR	03 47 12	LZ	23	44.6 (1)		
		eL	03 54 45	LZ	20	53.1 (1)		
		eL	03 54 45	LR	22	63.3 (1)		
		eL	03 54 45	LT	13	23.9 (1)		
3	TF	eP	03 17 52.0	Z	1.0	16.8 (0)	88.0	5.22
		eL	03 45 35	LR	28	96.6 (1)		
3	FM	eP	03 18 03.1	Z	999.9	99.9 (9)	90.0	
3	CP	eP	03 18 08.3	Z	999.9	99.9 (9)	92.0	
							AVG.	5.00

3 06 35 28.2 12.9 S 166.0 E SANTA CRUZ ISLANDS
H =074 KM

3	MN	eLR	07 15 40	LZ	22	15.2 (1)	87.0	

3 07 13 29.* 52.6 N 167.8 W FOX-ALEUTIAN ISLANDS
H =033 KM

3 07 36 15.* 26.2 S 064.9 W TUCUMAN PROV., ARGENTINA
H =033 KM

3	WI	eP	07 48 40.0	Z	0.7	3.8 (0)	83.0	4.63

3 09 39 46.8 05.3 S 151.5 E NEW BRITAIN
H =074 KM MAG 5.25- PAL

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	TF	eP	09 52 43.6	Z	999.9	99.9 (9)	91.0	
		epP	09 53 02	Z	1.1	31.1 (0)		
		eLR	10 22 37	LZ	27	23.7 (2)		
3	MV	eP	09 52 44.8	Z	999.9	99.9 (9)	91.0	
		epP	09 53 01	Z	1.5	33.1 (0)		
		eSS	10 10 00	LR	22	30.2 (1)		
		eLR	10 21 37	LZ	26	30.4 (2)		
		eL	10 24 07	LZ	24	29.9 (2)		
		eL	10 24 07	LR	24	16.4 (2)		
		eL	10 24 07	LT	23	14.6 (2)		
3	MN	eP	09 52 56.1	Z	1.0	33.6 (0)	94.0	5.70
		eP	09 52 58	LZ	17	18.3 (1)		
		epP	09 53 13	Z	1.2	56.7 (0)		
		eS	10 03 53	LR	15	30.0 (1)		
		eS	10 03 53	LT	16	17.0 (1)		
		ePS	10 05 18	LR	18	36.5 (1)		
		eSS	10 10 26	LR	24	46.0 (1)		
		eSSS	10 14 02	LR	25	38.2 (1)		
		eLR	10 22 15	LZ	999.9	99.9 (9)		
		eL	10 30 22	LZ	19	88.4 (1)		
		eL	10 30 22	LR	18	83.3 (1)		
		eL	10 30 22	LT	18	55.5 (1)		
3	WI	eP	09 52 59.3	Z	1.0	15.3 (0)	94.0	5.36
		epP	09 53 16	Z	1.3	44.3 (0)		
		ePS	10 05 33	LT	24	58.9 (1)		
		eSSS	10 14 25	LT	23	42.8 (1)		
		eLR	10 25 20	LZ	25	16.7 (2)		
		eL	10 25 40	LZ	24	15.5 (2)		
		eL	10 25 40	LR	24	80.6 (1)		
		eL	10 25 40	LT	25	15.4 (2)		
3	CP	eP	09 53 02.0	Z	999.9	99.9 (9)	95.0	
		epP	09 53 19	Z	1.3	42.2 (0)		
		eL	10 23 10	LZ	26	24.4 (2)		
		eL	10 27 05	LZ	22	22.2 (2)		
		eL	10 27 05	LT	23	16.1 (2)		
3	FM	eP	09 53 17.4	Z	999.9	99.9 (9)	98.0	
3	LC	ePKKP	10 09 58	Z	1.0	9.8 (0)	103.0	
		e	10 10 12	Z	1.8	52.7 (0)		
		eLR	10 26 40	LZ	35	22.3 (2)		
		eL	10 31 25	LZ	21	91.5 (1)		
		eL	10 31 25	LR	23	10.1 (2)		
		eL	10 31 25	LT	22	50.6 (1)		
3	SJ	eLR	10 30 45	LZ	28	29.4 (2)	110.0	
3	DH	eLR	10 39 20	LZ	31	14.6 (2)	125.0	
		eL	10 40 38	LZ	24	20.9 (2)		
		eL	10 40 38	LR	24	12.7 (2)		
		eL	10 40 38	LT	20	72.8 (1)		
							AVG.	5.53

3 13 56 34.5 06.9 S 155.2 E SOLOMON ISLANDS
H =091 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN	eP	14 09 33.1	Z	0.9	3.6 (0)	91.0	4.62
3	WI	eP	14 09 38.0	Z	0.8	2.6 (0)	92.0	4.61
							AVG.	4.61

3 17 25 33.6 22.2 S 169.6 E LOYALTY ISLANDS
H =033 KM

3	MN	eP	17 38 34.9	Z	0.8	3.3 (0)	91.0	4.68

3 18 42 13.8 13.0 N 145.4 E MARIANA ISLANDS
H =033 KM

3 19 12 49.8 05.9 S 155.0 E SOLOMON ISLANDS
H =099 KM

3	MN	eP	19 25 47.4	Z	0.9	4.9 (0)	92.0	4.83
3	CP	eP	20 34 02.9	Z	0.3	15.1 (0)	0.7	
		eS	20 34 13	R	0.4	25.9 (0)		
3	LC	eP	21 15 10.0	Z	0.3	12.3 (0)	1.5	
		eS	21 15 30	R	0.4	21.5 (0)		
3	MN	eP	22 03 19.9	Z	0.3	4.0 (0)	1.9	
		eS	22 03 45	R	0.4	7.2 (0)		
4	MN	eP	00 11 26.3	Z	999.9	99.9 (9)	0.1	
		eS	00 11 30	R	999.9	99.9 (9)		

4 00 23 55.1 01.2 N 027.7 W CAPE VERDE ISLANDS
H =033 KM

4	DH	eP	00 33 53.0	Z	999.9	99.9 (9)	59.0	
4	LC	eP	00 36 03.8	Z	2.0	10.7 (1)	80.0	5.39
		eLR	01 04 02	LZ	27	52.6 (1)		
4	FM	eP	00 36 29.8	Z	1.6	7.1 (0)	85.0	4.55
4	CP	eP	00 36 45.5	Z	1.4	41.8 (0)	89.0	5.44
4	WI	eP	00 36 50.0	Z	1.5	42.0 (0)	89.0	5.41
		ePP	00 40 19	Z	1.5	16.1 (0)		
		eLR	01 07 26	LZ	34	55.4 (1)		
4	MN	eP	00 36 51.6	Z	999.9	99.9 (9)	90.0	
		e	00 36 59	Z	1.3	27.7 (0)		
		ePP	00 40 29	Z	1.7	23.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	01 07 10	LZ	38	85.4 (1)		
4	TF	eP	00 36 59.4	Z	999.9	99.9 (9)	91.0	
4	SJ	eLR	00 59 09	LZ	30	35.3 (1)	72.0	
4	MV	eLR	01 08 55	LZ	33	62.0 (1)	91.0	
							AVG.	5.20

4 05 32 51.4 04.7 S 153.2 E NEW IRELAND REGION
H =162 KM

4 05 42 35.3 29.7 N 142.2 E BONIN ISLANDS REGION
H =033 KM

4	WI	eP	05 54 33.0	Z	0.9	2.5 (0)	78.0	4.25
		eLR	06 21 45	LZ	22	61.5 (1)		
		eL	06 25 10	LZ	20	89.6 (1)		
		eL	06 25 10	LR	15	90.9 (1)		
		eL	06 25 10	LT	20	79.4 (1)		
4	MN	eP	05 54 38.2	Z	0.9	3.0 (0)	79.0	4.26
		eLR	06 21 30	LZ	22	39.6 (1)		
4	CP	eP	05 54 59.7	Z	0.9	3.3 (0)	83.0	4.47
4	MV	eLR	06 15 00	LZ	21	42.6 (1)	76.0	
4	TF	eLR	06 21 58	LZ	21	71.3 (1)	80.0	
							AVG.	4.33

4 06 43 42.3 32.6 S 178.6 W KERMADEC ISLANDS REGION
H =044 KM

4	MN	eP	06 56 40.0	Z	1.1	3.9 (0)	90.0	4.51
4	WI	eP	06 56 51.3	Z	1.0	8.7 (0)	93.0	5.10
							AVG.	4.80

4 08 47 25.2 46.3 N 154.3 E KURILE ISLANDS
H =033 KM

4 08 50 13.4 18.8 S 169.5 E NEW HEBRIDES ISLANDS
H =243 KM

4 MN eP 09 02 40.9 Z 0.7 1.5 (0) 89.0 4.05

4 12 16 38.0 04.7 S 154.0 E SOLOMON ISLANDS REGION
H =069 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	TF	eP	12 29 35	LZ	999.9	99.9 (9)	89.0	
		eSKS	12 40 03	LR	19	10.2 (2)		
		e	12 54 01	LT	20	11.1 (2)		
		eLR	12 57 45	LZ	35	66.6 (2)		
4	MV	eP	12 29 35	LZ	18	59.1 (1)	89.0	
		eSKS	12 39 58	LR	999.9	99.9 (9)		
		eSS	12 46 17	LT	20	11.1 (2)		
		eLR	12 57 20	LZ	33	15.3 (3)		
4	MN	eP	12 29 38.2	Z	999.9	99.9 (9)	91.0	
		eP	12 29 44	LZ	17	20.5 (1)		
		e	12 30 11	Z	1.1	10.8 (0)		
		e	12 30 11	LZ	20	53.9 (1)		
		e	12 31 33	Z	1.1	13.8 (0)		
		ePP	12 33 50	LZ	999.9	99.9 (9)		
		eSKS	12 40 07	LR	22	85.2 (1)		
		ePS	12 41 40	LR	19	77.2 (1)		
		ePPS	12 43 22	LT	999.9	99.9 (9)		
		eSS	12 46 30	LR	24	13.6 (2)		
		eLR	12 57 47	LZ	999.9	99.9 (9)		
4	CP	eP	12 30 00	LZ	18	53.8 (1)	92.0	
		eSKS	12 40 10	LT	21	13.9 (2)		
		eSP	12 41 59	LZ	22	15.9 (2)		
		eSS	12 47 19	LT	20	10.9 (2)		
		eLR	12 59 02	LZ	36	91.9 (2)		
4	WI	eSKS	12 40 05	LT	21	14.7 (2)	92.0	
		eSP	12 41 36	LZ	20	19.1 (2)		
		eSS	12 47 00	LT	999.9	99.9 (9)		
		eLR	12 58 40	LZ	40	99.9 (9)		
4	SJ	eSKS	12 41 32	LR	17	98.3 (1)	108.0	
		eSP	12 44 45	LZ	21	10.3 (2)		
		eLR	13 06 50	LZ	35	52.7 (2)		
4	LC	eSP	12 43 29	LZ	22	14.9 (2)	101.0	
		eLR	13 02 44	LZ	38	18.8 (3)		
4	DH	eLR	13 13 45	LZ	38	26.5 (2)	122.0	
		eL	13 19 47	LZ	25	45.7 (2)		
		eL	13 19 47	LR	25	33.0 (2)		
		eL	13 19 47	LT	25	11.6 (2)		

4	LC	eP	13 46 40.9	Z	1.0	12.3 (0)		
4	WI	eP	13 47 50.0	Z	1.0	3.2 (0)		
4	MN	eLR	14 24 05	LZ	45	90.2 (1)		

4 21 17 10.0 06.9 N 073.1 W COLOMBIA
H =160 KM

4 LC eP 21 24 33.5 Z 0.8 10.2 (0) 40.0 4.52

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	21 25 25	Z	1.0	9.8 (0)		
4			23 50 09.1	46.5 N 153.7 E	KURILE ISLANDS			
				H =033 KM				
5			00 20 11.6	03.2 N 127.0 E	HALMAHERA REGION			
				H =033 KM				
5	LC	eP	00 38 59.5	Z	999.9	99.9 (9)		
5	TF	eP	00 39 17.2	Z	1.0	21.0 (0)		
5	CP	eP	00 39 23.8	Z	1.0	24.5 (0)		
5	MV	eP	00 39 24.2	Z	999.9	99.9 (9)		
5	MN	eP	00 39 33.0	Z	0.8	17.0 (0)		
5	WI	eP	00 39 43.8	Z	0.9	23.6 (0)		
5	FM	eP	00 39 55.5	Z	0.7	6.9 (0)		
5	LC	eP	00 40 00.0	Z	1.0	24.6 (0)		
5			03 33 33.5	03.4 N 125.3 E	SANGIHE ISLANDS			
				H =126 KM				
5			06 52 26.6	65.2 N 148.0 W	CENTRAL ALASKA			
				H =033 KM				
5	WI	eP	06 58 30.0	Z	0.7	4.3 (0)	30.0	4.36
5	MV	eP	06 58 35.8	Z	0.9	7.3 (0)	30.0	4.48
5	MN	eP	06 58 51.5	Z	0.8	7.1 (0)	32.0	4.58
							AVG.	4.47
5			07 05 22.3	46.8 N 153.7 E	KURILE ISLANDS			
				H =033 KM				
5	WI	eP	07 15 33.2	Z	1.2	5.0 (0)	61.0	4.49
5	MN	eP	07 15 42.5	Z	1.1	3.9 (0)	62.0	4.48
5	LC	eP	07 16 51.9	Z	999.9	99.9 (9)	73.0	
							AVG.	4.49
5			11 05 10.5	07.3 S 073.9 W	PERU BRAZIL BORDER			
				H =180 KM				
5	LC	eP	11 13 51.5	Z	0.8	3.6 (0)	50.0	3.95

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5			13 04 48.1	17.8 S 167.9 E	NEW HEBRIDES ISLANDS			
				H =033 KM				
5	MN	eP	13 17 41.2	Z	999.9	99.9 (9)	89.0	
		e	13 28 58	LT	25	26.6 (1)		
		ePS	13 30 00	LT	18	37.2 (1)		
		eSS	13 34 23	LT	25	43.8 (1)		
		eSSS	13 38 10	LT	25	32.9 (1)		
		eLR	13 45 21	LZ	25	12.0 (2)		
		eL	13 47 45	LZ	25	12.6 (2)		
		eL	13 47 45	LR	22	52.7 (1)		
		eL	13 47 45	LT	25	10.6 (2)		
5	WI	eP	13 17 49.1	Z	999.9	99.9 (9)	91.0	
		ePS	13 29 55	LT	22	69.9 (1)		
		eLR	13 46 23	LZ	25	11.8 (2)		
		eL	13 55 10	LZ	17	11.9 (2)		
		eL	13 55 10	LR	18	13.0 (2)		
		eL	13 55 10	LT	15	51.3 (1)		
5	LC	eSS	13 36 28	LR	18	57.4 (1)	95.0	
		eLR	13 49 00	LZ	31	80.4 (1)		
5	SJ	eLR	13 42 05	LZ	26	92.8 (1)	101.0	
5	TF	eLR	13 44 07	LZ	23	22.2 (2)	86.0	
		eL	13 48 22	LZ	20	32.5 (2)		
		eL	13 48 22	LR	20	24.3 (2)		
		eL	13 48 22	LT	20	67.4 (1)		
5	MV	eLR	13 44 22	LZ	28	12.3 (2)	87.0	
		eL	13 48 15	LZ	21	13.4 (2)		
		eL	13 48 15	LR	21	10.3 (2)		
		eL	13 48 15	LT	20	45.5 (1)		
5	CP	eLR	13 44 38	LZ	24	10.9 (2)	88.0	
5	FM	eLR	13 48 14	LZ	27	10.1 (2)	94.0	
		eL	13 54 47	LZ	19	90.6 (1)		
		eL	13 54 47	LR	20	70.3 (1)		
		eL	13 54 47	LT	17	84.8 (1)		
5			13 16 43.0	10.0 S 124.0 E	TIMOR			
				H =033 KM				
5	MV	eP'	13 35 25.5	Z	0.8	4.7 (0)	116.0	
5	WI	eP'	13 35 30.4	Z	0.7	65.6 (3)	118.0	
		ePP	13 36 42	Z	1.2	5.0 (0)		
5	MN	eP'	13 35 31.0	Z	0.5	2.7 (0)	118.0	
		ePP	13 36 41	Z	999.9	99.9 (9)		
5	CP	eP'	13 35 35.3	Z	0.6	5.4 (0)	120.0	
5	FM	eP'	13 35 39.0	Z	0.8	8.2 (0)	122.0	
5	LC	eP'	13 35 51.3	Z	999.9	99.9 (9)	128.0	
5			15 05 00.*	43.0 N 152.6 E	KURILE ISLANDS REGION			
				H =033 KM				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5			17 43 35.1	07.0 S 072.1 W		WESTERN BRAZIL		
				H =544 KM				
5	SJ	eP	17 50 48.1	Z	0.6	31.4 (0)	43.0	5.01
5	DH	eP	17 51 33.6	Z	0.6	29.6 (0)	49.0	4.93
5	LC	eP	17 51 49.6	Z	0.5	8.8 (0)	51.0	4.44
		e	17 55 59	Z	1.0	9.8 (0)		
5	FM	eP	17 52 45.8	Z	0.5	68.1 (0)	59.0	5.24
5	WI	eP	17 53 14.4	Z	0.6	12.8 (0)	64.0	4.58
5	MV	eP	17 53 22.0	Z	0.6	5.3 (0)	65.0	4.26
							AVG.	4.75
5			21 27 02.7	41.0 N 126.1 W		HUMBOLT CO., CALIFORNIA		
				H =033 KM				
6			00 50 53.1	05.7 S 147.3 E		CENTRAL NEW GUINEA		
				H =141 KM				
6			01 27 59.2	17.0 S 169.5 E		NEW HEBRIDES IS. REGION		
				H =259 KM				
6			03 18 56.6	06.0 N 125.3 E		NEAR COAST MINDANAO, P.I.		
				H =143 KM				
6			04 40 14.*	23.6 N 108.6 W		GULF OF CALIFORNIA		
				H =033 KM				
6	LC	eP	04 42 21.5	Z	0.6	3.0 (0)	9.0	4.71
		eLQ	04 44 30	LR	15	38.5 (2)		
		eL	04 44 36	R	0.9	5.1 (0)		
6	CP	eP	04 43 03.0	Z	1.0	8.6 (0)	12.0	4.80
6	FM	eP	04 43 58.0	Z	1.0	7.5 (0)	16.0	3.80
		eLQ	04 48 25	LR	15	82.8 (1)		
6	MN	eP	04 44 12.7	Z	1.4	23.1 (0)	17.0	4.15
		eS	04 47 30	LT	17	21.6 (1)		
		eLQ	04 48 10	LT	20	50.0 (1)		
		eL	04 50 15	LZ	18	28.3 (1)		
		eL	04 50 15	LR	18	53.8 (1)		
		eL	04 50 15	LT	20	55.4 (1)		
6	SJ	eLQ	04 45 25	LR	999.9	99.9 (9)	10.0	
		eL	04 45 37	R	1.7	18.9 (1)		
6	TF	eLQ	04 47 08	LR	25	13.4 (2)	15.0	
6	WI	eLQ	04 49 48	LT	16	77.3 (1)	20.0	
		eL	04 52 10	LZ	17	22.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	04 52 10	LR	17	26.5 (1)		
		eL	04 52 10	LT	17	96.9 (1)		
6	NG	eLQ	04 54 00	LT	17	16.6 (2)	27.0	
		eL	04 55 35	LR	14	17.3 (2)		
		eL	04 55 35	LT	17	16.6 (2)		
							AVG.	4.36
6			06 17 28.0	01.8 S 080.7 W		NEAR COAST OF ECUADOR		
				H =051 KM				
6	LC	eP	06 25 16.9	Z	1.0	7.3 (0)	42.0	4.41
		eS	06 31 36	LR	19	64.1 (1)		
		eS	06 31 36	LT	20	60.7 (1)		
		eLQ	06 37 30	LR	18	17.8 (2)		
		eL	06 42 35	LZ	15	93.2 (1)		
		eL	06 42 35	LR	14	28.6 (2)		
		eL	06 42 35	LT	15	11.1 (2)		
6	DH	eP	06 25 34.0	Z	999.9	99.9 (9)	44.0	
6	NG	eP	06 26 01.0	Z	999.9	99.9 (9)	48.0	
		eS	06 32 56	LR	15	81.7 (1)		
		eSS	06 35 53	LR	15	53.3 (1)		
		eLQ	06 39 22	LR	29	14.5 (2)		
		eLR	06 44 23	LZ	23	90.0 (1)		
		eL	06 47 25	LZ	25	88.7 (1)		
		eL	06 47 25	LR	24	12.4 (2)		
		eL	06 47 25	LT	25	60.9 (1)		
6	MN	eP	06 26 40.8	Z	0.8	5.2 (0)	53.0	4.57
		eS	06 34 14	LT	17	50.0 (1)		
		eSS	06 38 15	LR	18	43.0 (1)		
		eLQ	06 41 21	LT	28	74.8 (1)		
		eL	06 49 03	LZ	17	92.8 (1)		
		eL	06 49 03	LR	15	84.7 (1)		
		eL	06 49 03	LT	16	83.8 (1)		
6	WI	eP	06 26 51.8	Z	999.9	99.9 (9)	54.0	
		eS	06 34 34	LR	18	36.7 (1)		
		eS	06 34 34	LT	16	40.4 (1)		
		eLQ	06 42 43	LT	24	99.4 (1)		
		eL	06 49 40	LZ	18	17.0 (2)		
		eL	06 49 40	LR	18	16.0 (2)		
		eL	06 49 40	LT	20	66.3 (1)		
6	MV	eP	06 27 01.0	Z	999.9	99.9 (9)	56.0	
		eS	06 34 43	LT	19	44.3 (1)		
		eLR	06 47 25	LZ	20	39.8 (1)		
		eL	06 50 55	LZ	15	94.5 (1)		
		eL	06 50 55	LR	16	40.4 (1)		
		eL	06 50 55	LT	15	28.1 (1)		
6	SJ	eS	06 29 34	LR	17	37.9 (1)	34.0	
		eS	06 29 34	LT	18	10.4 (2)		
		eLQ	06 32 10	LT	20	82.8 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	FM	eS	06 33 36	LR	17	36.4 (1)	50.0	
		eLQ	06 41 23	LR	32	15.5 (2)		
		eL	06 43 11	LZ	20	39.4 (1)		
		eL	06 43 11	LR	18	12.9 (2)		
		eL	06 43 11	LT	20	46.9 (1)		
							AVG.	4.49
6	07 29 54.3		46.8 N 153.6 E KURILE ISLANDS H =033 KM					
6	WI	eP	07 40 04.3	Z	0.9	2.5 (0)	61.0	4.32
6	08 04 31.4		41.7 N 142.4 E NEAR COAST HOKKAIDO, JAPAN H =057 KM					
6	LC	eP	10 01 33.2	Z	0.3	3.9 (0)	4.9	
		e	10 01 42	Z	0.3	5.2 (0)		
		eS	10 02 32	T	0.6	32.2 (0)		
6	15 24 48.2		04.9 S 153.8 E SOLOMON ISLANDS REGION H =131 KM					
6	17 25 53.8		62.7 N 151.1 W CENTRAL ALASKA H =116 KM					
6	WI	eP	17 31 46.6	Z	1.0	3.3 (0)	29.0	3.93
6	MV	eP	17 31 50.2	Z	0.8	5.6 (0)	30.0	4.35
6	MN	eP	17 32 06.5	Z	0.7	4.0 (0)	31.0	4.26
6	CP	eP	17 32 55.5	Z	0.8	3.4 (0)	37.0	4.28
6	NG	eP	17 33 08.7	Z	1.1	41.9 (0)	39.0	5.21
6	LC	eP	17 33 30.3	Z	1.0	4.9 (0)	41.0	4.24
							AVG.	4.38
6	18 07 47.8		44.7 N 112.0 W MONTANA-IDAHO BORDER REG. H =033 KM					
6	WI	eP	18 09 03.5	Z	0.4	2.2 (0)	5.2	4.02
		e	18 09 10	Z	999.9	99.9 (9)		
		eS	18 10 20	R	999.9	99.9 (9)		
6	FM	eP	18 09 07.8	Z	999.9	99.9 (9)	5.5	
		e	18 09 16	Z	0.6	12.5 (0)		
		eS	18 10 36	R	0.8	17.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	MN	eP	18 09 41.1	Z	0.8	0.9 (0)	8.0	3.88
		e	18 10 01	Z	0.5	6.4 (0)		
		eL	18 11 41	T	1.0	12.5 (0)		
							AVG.	3.95
6	CP	eP	19 42 37.8	Z	0.3	3.0 (0)	3.0	
		e	19 42 41	Z	0.3	16.4 (0)		
		eS	19 43 15	T	0.4	24.0 (0)		
6	19 46 58.8		08.9 S 123.8 E NEAR FLORES H =033 KM					
6	LC	eP	20 09 15.0	Z	1.0	3.6 (0)		
6	NG	eP	20 09 34.9	Z	999.9	99.9 (9)		
6	LC	eP	21 12 55.2	Z	0.3	11.4 (0)	1.4	
		eS	21 13 14	T	0.6	16.6 (0)		
6	21 20 56.5		47.4 N 155.9 E KURILE ISLANDS H =033 KM					
6	MV	eP	21 30 48.1	Z	0.7	13.5 (0)	58.0	5.08
6	WI	eP	21 30 56.1	Z	0.6	10.6 (0)	59.0	5.05
6	MN	eP	21 31 05.6	Z	0.8	12.9 (0)	61.0	5.07
6	TF	eP	21 31 11.6	Z	0.8	7.4 (0)	61.0	4.83
6	FM	eP	21 31 26.3	Z	0.7	8.7 (0)	64.0	4.99
6	CP	eP	21 31 37.5	Z	0.8	2.5 (0)	65.0	4.40
6	NG	eP	21 32 15.4	Z	0.8	11.4 (0)	71.0	4.95
6	LC	eP	21 32 16.5	Z	0.8	4.3 (0)	72.0	4.53
6	DH	eP	21 33 04.0	Z	0.7	30.5 (0)	80.0	5.30
							AVG.	4.91
6	22 08 59.3		33.9 N 028.0 E MEDITERRANEAN SEA H =033 KM					
6	22 33 27.1		15.2 N 060.8 W LEEWARD ISLANDS H =072 KM					
6	LC	eP	22 41 46.1	Z	0.8	4.3 (0)	46.0	4.39
6	WI	eP	22 42 54.0	Z	0.6	8.8 (0)	55.0	4.96
							AVG.	4.68
7	CP	eP	00 56 01.5	Z	0.3	4.1 (0)	1.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	00 56 16	T	0.4	17.4 (0)		
7	WI	eP	05 04 57.8	Z	0.3	2.3 (0)	1.5	
		eS	05 05 18	R	0.5	10.5 (0)		
7	06 24 49.2		06.4 S 154.7 E SOLOMON ISLANDS REGION H =080 KM					
7	MV	eP	06 37 38.2	Z	1.0	9.6 (0)	89.0	4.90
7	TF	eP	06 37 41.5	Z	1.1	25.9 (0)	90.0	5.29
		eL	07 06 23	LZ	25	67.5 (1)		
7	WI	eP	06 37 53.0	Z	1.0	15.3 (0)	93.0	5.30
7	CP	eP	06 37 53.5	Z	1.0	11.6 (0)	93.0	5.18
7	FM	eP	06 38 11.0	Z	999.9	99.9 (9)	96.0	
7	MN	eLR	07 06 45	LZ	30	35.8 (1)	92.0	
		eL	07 10 48	LZ	22	47.1 (1)		
		eL	07 10 48	LR	22	39.6 (1)		
		eL	07 10 48	LT	24	26.2 (1)		
7	LC	eLR	07 11 10	LZ	27	62.2 (1)	101.0	
7	SJ	eLR	07 15 05	LZ	25	21.6 (1)	109.0	
		eL	07 24 25	LZ	18	53.6 (1)		
		eL	07 24 25	LR	19	16.1 (2)		
		eL	07 24 25	LT	18	64.1 (1)		
7	NG	eLR	07 19 40	LZ	28	10.1 (2)	114.0	
		eL	07 22 43	LZ	25	10.1 (2)		
		eL	07 22 43	LR	23	64.9 (1)		
		eL	07 22 43	LT	21	25.5 (1)		
7	DH	eLR	07 24 57	LZ	30	94.4 (1)	123.0 AVG.	5.17
7	WI	eP	07 08 24.0	Z	0.3	7.8 (0)	3.7	
		eS	07 09 10	R	0.5	99.9 (9)		
7	07 09 57.3		33.8 N 137.5 E SOUTH OF HONSHU, JAPAN H =344 KM					
7	MN	eP	07 21 28.5	Z	0.8	1.8 (0)	79.0	3.92
7	FM	eP	07 21 45.6	Z	999.9	99.9 (9)	83.0	
7	WI	eP	07 27 39.0	Z	0.3	1.5 (0)	3.8	
		eS	07 28 25	R	0.5	8.1 (0)		
		eP	07 57 16.5	Z	0.3	3.1 (0)		
		eS	07 58 04	T	0.4	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	MN	eP	08 55 56.3	Z	0.9	4.2 (0)		
7	MN	eP	09 28 43.5	Z	0.3	9.0 (0)	0.5	
		eS	09 28 51	R	0.4	12.7 (0)		
7	11 48 22.7		00.6 N 126.7 E HALMAHERA REGION H =042 KM MAG 5.25-5.75 PAL					
7	MN	ePD	12 02 48.3	Z	999.9	99.9 (9)	109.0	
		ePD	12 02 50	LZ	17	81.2 (0)		
		eP'	12 06 51	Z	999.9	99.9 (9)		
		ePP	12 07 23	LZ	30	17.9 (1)		
		ePP	12 07 27	Z	1.1	4.8 (0)		
		eSP	12 16 48	LZ	21	51.6 (1)		
		eSS	12 22 50	LT	35	86.0 (1)		
		e	12 27 40	LT	35	11.9 (2)		
		eG	12 33 40	LT	47	99.9 (9)		
		eLR	12 38 48	LZ	32	13.5 (2)		
		eL	12 47 22	LZ	23	12.7 (2)		
		eL	12 47 22	LR	23	11.0 (2)		
		eL	12 47 22	LT	23	40.6 (1)		
7	WI	ePD	12 02 48.5	Z	999.9	99.9 (9)	109.0	
		eP'	12 06 51	Z	999.9	99.9 (9)		
		eSP	12 16 48	LZ	23	61.4 (1)		
		ePKKP	12 18 09	Z	1.0	7.6 (0)		
		e	12 23 25	LR	30	73.2 (1)		
		eG	12 34 10	LR	38	99.9 (9)		
		eLR	12 38 53	LZ	30	31.4 (2)		
7	LC	eP'	12 07 12.1	Z	0.8	6.5 (0)	120.0	
		ePKKP	12 17 21	Z	1.0	4.9 (0)		
		eLR	12 44 05	LZ	32	90.5 (1)		
		eL	12 54 52	LZ	19	14.5 (2)		
		eL	12 54 52	LR	20	20.4 (2)		
		eL	12 54 52	LT	20	86.4 (1)		
7	NG	eP'	12 07 18.8	Z	999.9	99.9 (9)	125.0	
		eLR	12 48 30	LZ	32	18.1 (2)		
		eL	13 01 25	LZ	23	19.9 (2)		
		eL	13 01 25	LR	24	11.1 (2)		
		eL	13 01 25	LT	22	13.6 (2)		
7	SJ	eP'	12 07 30.0	Z	999.9	99.9 (9)	129.0	
		eG	12 42 46	LT	32	15.5 (2)		
		eLR	12 49 42	LZ	27	13.7 (2)		
		eL	12 59 33	LZ	18	73.5 (1)		
		eL	12 59 33	LR	19	16.6 (2)		
		eL	12 59 33	LT	19	19.7 (2)		
7	TF	eSP	12 16 46	LZ	22	72.9 (1)	108.0	
		eSS	12 22 30	LR	26	89.2 (1)		
		eG	12 33 25	LR	37	27.3 (2)		
		eLR	12 39 02	LZ	28	21.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	12 44 17	LZ	22	37.9 (2)		
		eL	12 44 17	LR	22	22.0 (2)		
		eL	12 44 17	LT	22	17.6 (2)		
7	FM	eSP	12 17 53	LZ	22	72.1 (1)	114.0	
		eG	12 36 56	LR	34	17.3 (2)		
		eLR	12 41 46	LZ	30	21.0 (2)		
		eL	12 45 36	LZ	25	16.1 (2)		
		eL	12 45 36	LR	24	87.5 (1)		
		eL	12 45 36	LT	24	15.8 (2)		
7	CP	eLR	12 40 35	LZ	24	20.5 (2)	113.0	
7	DH	eLR	12 54 10	LZ	28	97.3 (1)	133.0	
		eL	13 07 32	LZ	23	20.2 (2)		
		eL	13 07 32	LR	23	66.1 (0)		
		eL	13 07 32	LT	23	18.0 (2)		
7	WI	eP	12 27 35.1	Z	0.3	5.8 (0)	1.5	
		eS	12 27 56	R	0.4	15.5 (0)		
7	18 28 41.2		15.9 S 173.0 W SAMOA ISLANDS H =033 KM					
7	19 19 34.1		17.5 S 167.7 E NEW HEBRIDES ISLANDS H =019 KM					
7	WI	eP	19 32 40.2	Z	999.9	99.9 (9)	91.0	
7	LC	eP	20 26 11.3	Z	0.3	10.5 (0)	1.5	
		eS	20 26 31	R	0.4	13.8 (0)		
7	CP	eP	23 39 05.3	Z	0.3	9.3 (0)	1.2	
		eS	23 39 21	T	0.4	10.6 (0)		
8	01 31 47.4		39.9 N 077.9 E SINKIANG PROVINCE, CHINA H =033 KM					
8	MN	eP	13 16 21.9	Z	999.9	99.9 (9)	1.3	
		eS	13 16 39	R	0.6	10.6 (0)		
8	15 46 45.5		31.2 N 130.2 E NEAR COAST KYUSHU, JAPAN H =177 KM					
8	MV	eP	15 58 55.0	Z	999.9	99.9 (9)	83.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	WI	eP	15 59 01.4	Z	999.9	99.9 (9)	85.0	
		epP	15 59 41	Z	1.0	12.0 (0)		
8	MN	eP	15 59 08.0	Z	0.7	2.4 (0)	86.0	4.17
		epP	15 59 47	Z	1.0	10.7 (0)		
8	TF	eP	15 59 10.8	Z	999.9	99.9 (9)	87.0	
		epP	15 59 51	Z	0.9	12.9 (0)		
8	19 50 04.9		17.0 S 171.8 W SAMOA ISLANDS REGION H =033 KM					
8	MN	eP	20 01 42.7	Z	1.0	9.0 (0)	75.0	4.69
8	WI	eP	20 01 55.0	Z	1.0	4.3 (0)	77.0	4.44
							AVG.	4.56
8	WI	eP	20 46 51.9	Z	0.9	5.0 (0)		
9	02 02 38.5		28.9 S 177.4 W KERMADEC ISLANDS H =071 KM					
9	TF	eP	02 15 00.6	Z	1.0	12.6 (0)	84.0	4.88
9	CP	eP	02 15 04.5	Z	1.2	16.6 (0)	84.0	4.93
		e	02 15 21	Z	1.0	10.2 (0)		
9	MV	eP	02 15 09.5	Z	1.1	13.5 (0)	85.0	4.87
		e	02 15 27	Z	1.0	10.9 (0)		
9	MN	eP	02 15 16.2	Z	0.9	8.9 (0)	87.0	4.85
		e	02 15 33	Z	1.0	11.6 (0)		
		eLR	02 42 05	LZ	25	15.8 (0)		
9	WI	eP	02 15 26.8	Z	1.1	10.8 (0)	89.0	4.92
		e	02 15 44	Z	1.0	8.7 (0)		
9	LC	eP	02 15 35.5	Z	999.9	99.9 (9)	91.0	
		e	02 15 53	Z	1.0	7.3 (0)		
							AVG.	4.89
9	03 13 26.4		18.6 N 145.4 E MARIANA ISLANDS H =192 KM					
9	MV	eP	03 25 20.8	Z	0.7	6.2 (0)	81.0	4.45
		epP	03 26 08	Z	1.3	21.0 (0)		
9	WI	eP	03 25 32.2	Z	999.9	99.9 (9)	83.0	
		epP	03 26 14	Z	1.2	77.7 (0)		
9	TF	eP	03 25 32.8	Z	1.0	25.2 (0)	83.0	4.91
		epP	03 26 14	Z	0.9	12.9 (0)		
9	MN	eP	03 25 34.8	Z	0.9	21.1 (0)	84.0	4.88
		epP	03 26 16	Z	1.0	11.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	CP	eP	03 25 50.5	Z	1.2	11.2 (0)	87.0	4.58
		epP	03 26 35	Z	1.1	23.5 (0)		
9	LC	eP	03 26 27.0	Z	1.0	7.3 (0)	95.0	4.88
		epP	03 27 14	Z	1.1	44.0 (0)		
							AVG.	4.74
9	TF	eP	04 03 55.6	Z	0.2	4.0 (0)	2.1	
		eS	04 04 24	T	0.3	26.5 (0)		
9	TF	eP	06 04 17.0	Z	999.9	99.9 (9)		
9	CP	eP	06 04 53.8	Z	999.9	99.9 (9)		
9	MN	eP	06 05 00.7	Z	0.6	1.0 (0)		
9	MN	e	06 05 05	Z	0.8	21.2 (0)		
9	MV	eP	06 05 14.2	Z	0.5	1.7 (0)		
9	WI	eP	06 05 45.0	Z	0.6	0.9 (0)		
9	WI	e	06 06 03	Z	0.5	2.0 (0)		
9	MV	eL	06 06 19	T	0.8	20.9 (0)		
9	WI	eL	06 07 27	T	0.8	9.9 (0)		
9	06 53 28.*		10.3 S 124.0 E TIMOR REGION H =033 KM					
9	MN	eP	08 38 53.8	Z	0.8	2.4 (0)		
9	LC	eP	09 20 27.5	Z	1.0	4.9 (0)		
9	WI	eP	09 21 55.5	Z	0.8	1.9 (0)		
9	11 43 38.*		20.0 S 168.7 E NEW HEBRIDES ISLANDS H =033 KM					
9	MN	eP	11 56 44.8	Z	0.9	1.2 (0)	92.0	4.25
9	18 22 33.4		03.3 S 029.4 E REPUBLIC OF THE CONGO H =033 KM					
9	21 16 07.7		04.3 S 128.5 E BANDA SEA H =174 KM					
9	21 37 29.2		16.6 S 174.8 W TONGA ISLANDS REGION H =270 KM					
9	MN	eP	21 48 49.5	Z	0.8	2.4 (0)	76.0	3.98

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	05 18 36.9		18.8 N 106.3 W OFF COAST JALISCO, MEXICO H =033 KM					
10	LC	eP	05 21 50.0	Z	1.5	14.4 (0)	14.0	4.38
		eLQ	05 25 13	LR	15	12.7 (2)		
10	CP	eP	05 22 26.9	Z	999.9	99.9 (9)	16.0	
		eL	05 27 07	LZ	22	13.5 (2)		
10	MN	eP	05 23 29.2	Z	1.2	8.9 (0)	22.0	4.04
10	WI	eP	05 23 52.9	Z	1.0	6.6 (0)	24.0	4.08
10	SJ	eLQ	05 24 32	LR	999.9	99.9 (9)	12.0	
		eL	05 25 09	R	4.0	11.2 (2)		
							AVG.	4.17
10	06 47 04.0		36.7 N 070.8 E HINDU KUSH H =193 KM					
10	MN	eP	07 43 45.1	Z	0.2	5.5 (0)	0.7	
		eS	07 43 55	R	999.9	99.9 (9)		
10	DH	eP	16 57 32.1	Z	0.4	17.7 (0)	2.1	
		eS	16 57 59	R	0.4	79.3 (0)		
10	17 14 07.3		52.6 N 157.2 E KAMCHATKA H =125 KM					
10	WI	eP	17 23 35.5	Z	0.8	85.0 (0)	56.0	5.75
10	MN	eP	17 23 46.6	Z	0.7	5.8 (0)	58.0	4.64
							AVG.	5.19
10	18 54 46.1		13.1 N 146.5 E MARIANA ISLANDS H =061 KM					
10	WI	eP	19 07 21.4	Z	0.9	8.5 (0)	86.0	4.75
10	MN	eP	19 07 22.3	Z	999.9	99.9 (9)	86.0	
10	20 13 05.9		04.2 S 104.6 E SUMATRA H =211 KM					
11	01 07 28.0		37.7 N 101.6 E TSINGHAI PROVINCE, CHINA H =033 KM					
11	MN	eP	05 05 43.4	Z	0.6	2.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	06 42 41.8		07.5 N 082.5 W NEAR S. COAST OF PANAMA H =033 KM					
11	SJ	eP	06 48 04.5	Z	0.6	81.2 (0)	25.0	5.53
11	MN	eP	06 50 54.2	Z	1.0	34.2 (0)	46.0	5.26
							AVG.	5.40
11	MN	eP	08 15 27.2	Z	999.9	99.9 (9)	1.4	
		eS	08 15 44	R	0.7	20.0 (0)		
11	11 41 40.0		35.7 N 070.7 E HINDU KUSH H =127 KM					
11	MN	eP	12 00 29.5	Z	999.9	99.9 (9)	0.8	
		eS	12 00 40	R	999.9	99.9 (9)		
11	12 12 16.2		45.0 S 075.7 W NEAR COAST OF S. CHILE H =033 KM					
11	SJ	eP	12 23 57.0	Z	1.3	10.2 (1)	75.0	5.63
11	LC	eP	12 24 34.5	Z	999.9	99.9 (9)	82.0	
		eSP	12 34 54	LZ	15	15.6 (2)		
		eSS	12 40 13	LT	20	71.0 (1)		
		eLQ	12 46 27	LT	32	84.8 (1)		
		eLR	12 51 44	LZ	40	30.4 (2)		
11	CP	eP	12 24 53.6	Z	999.9	99.9 (9)	86.0	
		eLR	12 53 13	LZ	25	10.0 (2)		
11	DH	eP	12 24 59.2	Z	1.3	59.3 (0)	87.0	5.59
11	TF	eP	12 25 10.9	Z	1.0	25.2 (0)	89.0	5.36
11	NG	eP	12 25 19.0	Z	999.9	99.9 (9)	91.0	
11	MN	eP	12 25 21.3	Z	999.9	99.9 (9)	92.0	
		eS	12 36 28	LT	24	63.9 (1)		
		eS	12 36 28	LR	999.9	99.9 (9)		
		ePS	12 37 35	LR	20	73.4 (1)		
		eSS	12 42 48	LR	24	97.2 (1)		
		eLQ	12 51 23	LT	45	44.5 (2)		
		eLR	12 56 08	LZ	30	12.6 (2)		
11	MV	eP	12 25 30.0	Z	999.9	99.9 (9)	94.0	
							AVG.	5.53
11	14 36 11.0		12.6 N 088.2 W OFF COAST OF EL SALVADOR H =033 KM					
11	SJ	eP	14 40 18.7	Z	999.9	99.9 (9)	18.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	LC	eP	14 41 42.5	Z	1.3	18.9 (0)	26.0	4.53
11	MN	eP	14 43 21.0	Z	999.9	99.9 (9)	37.0	
		ePCP	14 45 40	Z	0.8	4.4 (0)		
		eLQ	14 55 22	LT	27	99.9 (9)		
		eLR	14 57 25	LT	22	21.4 (2)		
11	CP	eLR	14 55 56	LZ	17	95.2 (1)	33.0	
11	MV	eLR	15 00 15	LZ	22	60.0 (1)	40.0	
11	16 09 37.*		24.3 S 176.1 W TONGA ISLANDS REGION H =055 KM					
11	17 05 42.3		29.4 S 178.6 W KERMADEC ISLANDS H =225 KM					
11	MV	eP	17 18 02.5	Z	999.9	99.9 (9)	82.0	
11	LC	eP	17 18 27.8	Z	1.0	7.3 (0)	93.0	4.74
11	CP	eP	18 46 16.5	Z	0.3	99.9 (9)		
12	MN	eP	00 17 11.7	Z	0.5	1.8 (0)	2.6	
		eS	00 17 45	R	0.7	58.9 (0)		
12	CP	eP	03 35 13.0	Z	0.3	1.0 (0)	1.6	
		e	03 35 14	Z	0.3	33.6 (0)		
		eS	03 35 35	T	0.4	53.3 (0)		
12	03 40 34.8		04.8 N 076.7 W NORTHERN COLOMBIA H =102 KM					
12	SJ	eP	03 46 41.5	Z	0.8	69.5 (0)	31.0	5.43
12	DH	eP	03 47 40.4	Z	0.9	12.7 (1)	38.0	5.84
		ePCP	03 49 56	Z	0.8	24.5 (0)		
12	LC	eP	03 47 55.3	Z	0.8	59.7 (0)	39.0	5.56
		ePCP	03 50 03	Z	0.8	8.7 (0)		
12	NG	eP	03 48 17.0	Z	0.8	57.4 (0)	42.0	5.45
12	CP	eP	03 48 53.0	Z	0.9	17.5 (0)	46.0	4.88
		ePCP	03 50 27	Z	0.8	8.4 (0)		
12	FM	eP	03 48 58.3	Z	0.9	82.1 (0)	47.0	5.55
		ePCP	03 50 28	Z	0.7	16.7 (0)		
12	TF	eP	03 49 21.6	Z	1.0	33.6 (0)	50.0	5.21
		ePCP	03 50 40	Z	1.0	16.8 (0)		
12	MN	eP	03 49 24.5	Z	999.9	99.9 (9)	50.0	
		ePCP	03 50 41	Z	0.7	14.9 (0)		
12	WI	eP	03 49 32.0	Z	0.8	22.0 (0)	51.0	5.23

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePCP	03 50 45	Z	0.9	22.5 (0)		
12	MV	eP	03 49 42.2	Z	1.0	21.1 (0)	53.0	5.11
							AVG.	5.36
12	WI	eP	04 04 32.5	Z	0.3	4.0 (0)	1.4	
		eS	04 04 51	T	999.9	99.9 (9)		
12	04 19 27.8		15.1 N 120.5 E		LUZON, PHILIPPINE ISLANDS			
			H =083 KM					
12	06 02 10.*		16.7 N 098.3 W		NEAR COAST OAXACO, MEXICO			
			H =033 KM					
12	LC	eP	06 06 10.4	Z	1.0	9.8 (0)	17.0	3.92
		eLQ	06 11 20	LR	17	10.3 (2)		
		eL	06 11 27	Z	4.0	47.3 (1)		
		eL	06 11 56	LR	17	10.3 (2)		
		eL	06 11 56	LT	16	10.9 (2)		
12	CP	eP	06 07 08.4	Z	999.9	99.9 (9)	23.0	
12	TF	eP	06 07 50.6	Z	0.8	4.9 (0)	27.0	4.22
12	MN	eP	06 07 57.7	Z	1.2	8.9 (0)	28.0	4.40
12	WI	eP	06 08 14.0	Z	0.8	4.0 (0)	30.0	4.26
							AVG.	4.20
12	06 20 13.6		36.1 N 069.6 E		HINDU KUSH			
			H =097 KM					
12	09 13 04.2		01.8 N 129.3 E		HALMAHERA REGION			
			H =112 KM					
12	MN	eP	10 36 50.4	Z	1.0	2.5 (0)		
12	WI	eP	10 42 30.5	Z	999.9	99.9 (9)		
12	LC	eP	10 51 06.6	Z	0.9	13.2 (0)		
12	WI	eP	11 31 10.8	Z	1.3	10.8 (0)		
12	12 12 36.5		53.0 N 170.6 W		FOX-ALEUTIAN ISLANDS			
			H =105 KM					
12	WI	eP	12 19 38.5	Z	0.8	4.0 (0)	37.0	4.38
12	LC	eP	12 21 18.5	Z	0.9	7.5 (0)	50.0	4.60
							AVG.	4.49

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	CP	eP	19 52 46.5	Z	999.9	99.9 (9)		
12	23 21 52.1		07.1 N 125.2 E		MINDANAO, PHILIPPINE IS.			
			H =084 KM					
13	02 39 38.7		32.9 N 116.5 W		SAN DIEGO CO., CALIFORNIA			
			H =033 KM					
13	CP	eP	02 39 44.9	Z	999.9	99.9 (9)	0.2	
		eP	02 39 46	LZ	999.9	99.9 (9)		
13	TF	eP	02 40 38.8	Z	999.9	99.9 (9)	4.0	
		eL	02 41 26	R	0.6	50.7 (0)		
		eL	02 41 48	LR	18	25.0 (2)		
13	MN	eP	02 41 03.3	Z	999.9	99.9 (9)	5.7	
		e	02 41 22	Z	0.5	8.9 (0)		
		eL	02 42 40	R	0.8	44.7 (0)		
		eL	02 42 43	LT	12	17.5 (1)		
13	FM	eP	02 41 29.3	Z	999.9	99.9 (9)	8.0	
		eL	02 43 23	T	0.7	11.6 (0)		
13	MV	eP	02 41 32.3	Z	999.9	99.9 (9)	8.0	
		eL	02 43 31	T	0.8	8.7 (0)		
13	LC	eP	02 41 37.3	Z	0.6	5.5 (0)	8.0	4.77
		eL	02 43 59	T	1.0	11.1 (0)		
		eL	02 44 06	LT	16	13.6 (2)		
13	WI	eP	02 41 45.2	Z	999.9	99.9 (9)	9.0	
		e	02 42 19	Z	0.6	4.6 (0)		
		eL	02 44 15	R	0.8	46.0 (0)		
		eL	02 44 15	LT	14	20.2 (2)		
13	SJ	eL	02 48 54	LT	18	99.9 (9)	16.0	
13	04 16 44.*		15.7 S 174.8 W		TONGA ISLANDS			
			H =236 KM					
13	MV	eP	04 27 55.5	Z	999.9	99.9 (9)	74.0	
13	MN	eP	04 28 04.5	Z	1.2	15.5 (0)	76.0	4.61
13	WI	eP	04 28 17.1	Z	1.0	4.4 (0)	78.0	4.14
13	LC	eP	04 28 34.2	Z	999.9	99.9 (9)	81.0	
		eLR	04 53 50	LZ	23	49.5 (1)		
13	TF	eL	04 43 10	LZ	25	79.8 (1)	72.0	
13	CP	eL	04 50 12	LZ	22	83.3 (1)	75.0	
							AVG.	4.38
13	CP	eP	05 03 22.0	Z	0.3	18.3 (0)	0.8	
		eS	05 03 34	T	0.4	18.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	07 53 04.6		02.1 N 125.4 E NORTHERN CELEBES REGION H =144 KM					
13	12 49 30.2		06.5 S 149.3 E NEW BRITAIN H =029 KM					
13	13 43 42.1		14.0 S 171.2 E NEW HEBRIDES ISLANDS REG. H =634 KM					
13		TF eP	13 54 55.1	Z	999.9	99.9 (9)	81.0	
13		MV eP	13 55 00.0	Z	1.0	22.6 (0)	82.0	4.65
13		CP eP	13 55 06.3	Z	0.9	14.2 (0)	84.0	4.56
13		MN eP	13 55 09.8	Z	1.0	26.1 (0)	84.0	4.78
13		WI eP	13 55 18.0	Z	0.9	13.6 (0)	86.0	4.64
13		LC eP	13 55 42.0	Z	999.9	99.9 (9)	91.0	
							AVG.	4.66
13	16 21 13.1		49.7 S 163.7 E AUCKLAND ISLAND REGION H =033 KM					
13	17 20 19.2		32.0 S 068.7 W SAN JUAN PROV., ARGENTINA H =113 KM					
13		LC eP	17 31 40.9	Z	1.0	14.5 (0)	74.0	4.75
13	17 20 22.9		31.8 S 068.2 W SAN JUAN PROV., ARGENTINA H =142 KM					
13		CP eP	20 45 22.7	Z	999.9	99.9 (9)		
13		TF eP	20 46 22.5	Z	999.9	99.9 (9)	3.3	
13		MN eP	20 46 45.0	Z	999.9	99.9 (9)		
13		MN e	20 47 04	Z	0.8	3.9 (0)		
13		TF eS	20 47 04	T	0.7	23.3 (0)	3.3	
13		MN eL	20 48 20	R	1.0	16.8 (0)		
13		CP eP	21 09 23.3	Z	999.9	99.9 (9)		
14	00 50 39.1		17.2 S 168.1 E NEW HEBRIDES ISLANDS H =033 KM					
14		CP eP	01 33 37.3	Z	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	02 18 02.0		62.2 N 150.1 W CENTRAL ALASKA H =091 KM					
14		WI eP	02 23 51.4	Z	0.6	2.1 (0)	29.0	3.96
14		MV eP	02 23 54.4	Z	0.8	7.6 (0)	29.0	4.40
14		MN eP	02 24 10.9	Z	0.9	15.2 (0)	31.0	4.74
		epP	02 24 32	Z	0.8	4.8 (0)		
14		TF eP	02 24 30.7	Z	0.8	12.4 (0)	33.0	4.80
14		CP eP	02 25 00.6	Z	0.8	7.2 (0)	37.0	4.64
							AVG.	4.51
14	09 50 30.7		12.2 S 166.6 E NEW HEBRIDES ISLANDS H =145 KM					
14	11 19 47.5		21.2 S 169.3 E LOYALTY ISLANDS H =033 KM					
14		TF eP	11 32 33.7	Z	1.0	42.0 (0)	88.0	5.62
		eLR	12 05 12	LZ	23	32.0 (2)		
		eL	12 09 37	LZ	16	45.5 (2)		
		eL	12 09 37	LR	17	23.6 (2)		
		eL	12 09 37	LT	19	12.4 (2)		
14		MV eP	11 32 38.2	Z	1.0	48.7 (0)	89.0	5.65
		eLQ	12 02 45	LR	30	17.9 (2)		
		eLR	12 05 51	LZ	21	63.3 (1)		
		eL	12 07 15	LZ	24	26.3 (2)		
		eL	12 07 15	LR	21	29.8 (1)		
		eL	12 07 15	LT	24	16.5 (2)		
14		CP eP	11 32 41.0	Z	0.8	16.9 (0)	89.0	5.29
		eLR	12 04 49	LZ	24	23.5 (2)		
14		MN eP	11 32 46.9	Z	0.8	29.8 (0)	90.0	5.53
		eLQ	12 02 18	LR	32	14.9 (2)		
		eLR	12 07 16	LZ	29	21.4 (2)		
		eL	12 08 10	LZ	23	22.2 (2)		
		eL	12 08 10	LR	24	67.5 (1)		
		eL	12 08 10	LT	25	15.3 (2)		
14		WI eP	11 32 55.2	Z	0.8	18.4 (0)	92.0	5.46
		eLR	12 08 54	LZ	25	20.6 (2)		
		eL	12 13 11	LZ	19	20.5 (2)		
		eL	12 13 11	LR	18	18.8 (2)		
		eL	12 13 11	LT	20	89.9 (1)		
14		LC eLR	12 05 55	LZ	24	18.8 (1)	95.0	
		eL	12 11 30	LZ	18	24.6 (2)		
		eL	12 11 30	LR	16	35.5 (1)		
		eL	12 11 30	LT	18	23.5 (2)		
14		NG eLQ	12 10 30	LT	35	10.9 (2)	114.0	
		eLR	12 17 54	LZ	25	62.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	12 22 35	LZ	19	12.5 (2)		
		eL	12 22 35	LR	19	89.3 (1)		
		eL	12 22 35	LT	20	73.7 (1)		
14	DH	eLR	12 20 14	LZ	26	39.2 (1)	123.0	
		eL	12 21 36	LZ	24	40.2 (1)		
		eL	12 21 36	LR	25	46.7 (1)		
		eL	12 21 36	LT	21	10.1 (2)		
							AVG.	5.51
14	15 35 16.3		20.0 S 175.0 W TONGA ISLANDS H =033 KM					
14	CP	eP	18 18 12.4	Z	999.9	99.9 (9)		
14	18 33 25.3		45.7 N 026.6 E ROMANIA H =132 KM					
15	01 32 20.0		68.9 N 017.1 W DENMARK STRAIT H =033 KM					
15	WI	eP	01 41 56.2	Z	1.5	29.6 (0)	56.0	5.09
		ePCP	01 42 57	Z	1.4	19.2 (0)		
		eL	02 00 35	LT	27	28.9 (2)		
		eL	02 02 30	LZ	22	51.9 (1)		
		eL	02 02 30	LR	18	25.4 (2)		
		eL	02 02 30	LT	18	31.1 (2)		
		eLR	02 05 35	LZ	17	21.8 (2)		
15	FM	eP	01 41 57.8	Z	1.4	65.4 (0)	56.0	5.46
15	MN	eP	01 42 15.8	Z	1.0	2.5 (0)	59.0	4.19
		eL	02 02 07	LR	22	20.9 (2)		
		eL	02 04 03	LR	20	27.2 (2)		
		eL	02 04 03	LT	22	69.8 (1)		
		eLR	02 06 50	LZ	18	89.9 (1)		
15	MV	eP	01 42 19.5	Z	999.9	99.9 (9)	59.0	
		eLQ	02 02 25	LR	22	11.7 (2)		
		eL	02 05 18	LR	17	13.2 (2)		
		eL	02 05 18	LT	22	41.5 (1)		
		eLR	02 08 15	LZ	15	19.8 (2)		
15	LC	eP	01 42 27.5	Z	1.5	42.2 (0)	60.0	5.28
		eL	02 02 27	LR	27	49.0 (2)		
		eL	02 04 10	LR	20	52.0 (2)		
		eL	02 04 10	LT	17	18.0 (1)		
15	CP	eP	01 42 48.2	Z	1.2	4.4 (0)	63.0	4.40
		eL	02 04 20	LZ	30	47.8 (1)		
15	DH	eS	01 46 10	LT	20	25.4 (1)	41.0	
		eS	01 46 10	LR	15	55.4 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	01 48 50	LR	22	67.3 (1)		
		eL	01 54 50	LZ	18	20.0 (2)		
		eL	01 54 50	LR	20	79.5 (1)		
		eL	01 54 50	LT	20	11.0 (2)		
15	NG	eS	01 46 27	LT	15	23.1 (1)	42.0	
		eS	01 46 27	LR	17	38.4 (1)		
		eSS	01 49 25	LR	15	55.1 (1)		
		eL	01 51 45	LT	17	54.4 (1)		
		eL	01 55 25	LR	15	10.7 (2)		
		eL	01 55 25	LT	15	10.2 (2)		
		eLR	01 55 55	LZ	18	14.6 (2)		
15	TF	eL	02 04 17	LT	22	22.2 (2)	63.0	
		eL	02 06 22	LZ	22	73.9 (1)		
		eL	02 06 22	LR	22	16.0 (2)		
		eL	02 06 22	LT	18	31.4 (2)		
							AVG.	4.89
15	02 32 39.9		13.4 N 145.3 E MARIANA ISLANDS H =038 KM					
15	MV	eP	02 45 09.5	Z	1.2	17.7 (0)	84.0	5.05
15	WI	eP	02 45 21.7	Z	1.0	12.3 (0)	87.0	5.01
		e	02 45 39	Z	1.2	63.8 (0)		
		e	02 46 19	Z	1.3	32.3 (0)		
		eL	03 08 30	LR	27	91.6 (1)		
		eLR	03 11 40	LZ	40	94.9 (1)		
		eL	03 16 00	LZ	22	10.3 (2)		
		eL	03 16 00	LR	17	26.0 (1)		
		eL	03 16 00	LT	22	95.6 (1)		
15	MN	eP	02 45 22.5	Z	1.0	7.5 (0)	87.0	4.79
		eS	02 56 05	LT	14	73.7 (1)		
15	TF	eP	02 45 29.8	Z	0.9	16.1 (0)	88.0	5.24
		eL	03 12 19	LZ	30	85.5 (1)		
		eL	03 23 10	LZ	18	14.9 (2)		
		eL	03 23 10	LR	18	11.9 (2)		
		eL	03 23 10	LT	18	10.9 (2)		
15	CP	eP	02 45 36.2	Z	0.8	6.9 (0)	90.0	4.89
		e	02 46 44	Z	1.0	7.3 (0)		
		eL	03 13 22	LZ	25	34.7 (1)		
15	FM	eP	02 45 46.2	Z	1.4	19.6 (0)	92.0	5.24
15	LC	eP	02 46 12.8	Z	0.9	2.3 (0)	98.0	4.84
		eL	03 18 55	LZ	25	28.4 (1)		
15	NG	eLQ	03 20 55	LZ	22	45.8 (1)	105.0	
		eL	03 33 55	LZ	20	12.4 (2)		
		eL	03 33 55	LR	18	43.4 (1)		
		eL	03 33 55	LT	19	77.2 (1)		
15	DH	eL	03 30 40	LZ	20	24.1 (1)	113.0	
							AVG.	5.01

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	WI	eP	03 23 57.4	Z	1.0	3.3 (0)		
15	SJ	eP	03 26 55.8	Z	0.6	21.0 (0)		
15	LC	eP	03 28 20.5	Z	0.9	2.7 (0)		
15	MN	eP	03 28 56.8	Z	0.8	0.9 (0)		
15	MN	e	03 30 15	Z	1.0	2.5 (0)		
15	SJ	eP	04 49 56.2	Z	0.7	22.4 (0)		
15	05 23 10.4		69.0 N 016.6 W JAN MAYEN ISLAND REGION H =033 KM					
15	FM	eP	05 32 47.1	Z	0.9	4.2 (0)	56.0	4.47
15	WI	eP	05 32 47.7	Z	1.0	2.2 (0)	56.0	4.15
		ePCP	05 33 49	Z	1.2	6.8 (0)		
15	MV	eP	05 33 06.8	Z	0.9	3.8 (0)	59.0	4.42
		eL	05 53 05	LR	25	19.1 (2)		
		eL	05 54 22	LR	22	32.8 (2)		
		eL	05 54 22	LT	23	84.8 (1)		
		eLR	05 58 45	LZ	15	38.3 (2)		
15	LC	eP	05 33 17.0	Z	1.0	3.5 (0)	60.0	4.38
		ePCP	05 34 06	Z	0.7	2.3 (0)		
		eLR	05 53 27	LR	22	10.3 (3)		
15	SJ	eP	05 33 30.4	Z	0.8	8.9 (0)	62.0	4.98
15	DH	eS	05 36 57	LR	18	84.0 (1)	40.0	
		eSS	05 39 35	LR	21	15.1 (2)		
		eLR	05 44 18	LZ	27	42.9 (2)		
		eL	05 46 17	LZ	18	35.5 (2)		
		eL	05 46 17	LR	17	30.4 (2)		
		eL	05 46 17	LT	17	16.9 (2)		
15	NG	eS	05 37 18	LR	18	82.9 (1)	42.0	
		eS	05 37 18	LT	17	51.6 (1)		
		eSS	05 40 18	LR	18	13.1 (2)		
		eL	05 41 58	LR	999.9	99.9 (9)		
		eLR	05 46 40	LZ	20	25.4 (2)		
15	WI	eS	05 40 45	LR	18	40.4 (1)	56.0	
		eS	05 40 45	LT	22	34.5 (1)		
		eL	05 51 20	LT	20	99.9 (9)		
		eLR	05 55 40	LZ	22	99.9 (9)		
15	MN	eS	05 41 18	LR	15	36.9 (1)	59.0	
		eLQ	05 49 00	LR	47	14.2 (2)		
		eLR	05 53 00	LR	25	99.9 (9)		
		eLR	05 54 50	LZ	18	17.4 (2)		
15	TF	eL	05 53 34	LT	38	20.5 (2)	62.0	
15	CP	eL	05 54 55	LZ	35	11.2 (2)	63.0	
							AVG.	4.48
15	06 32 29.5		37.4 S 073.4 W NEAR COAST CENTRAL CHILE H =042 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	LC	eP	06 44 20.5	Z	1.0	3.5 (0)	77.0	4.32
15	MV	eS	06 55 30	LT	13	96.1 (1)	87.0	
		eS	06 55 30	LR	14	61.6 (1)		
		eL	07 15 07	LZ	20	28.9 (1)		
15	09 47 42.9		10.6 S 164.9 E SOLOMON ISLANDS REGION H =089 KM					
15	MN	eP	10 00 18.4	Z	1.2	5.1 (0)	87.0	4.45
		epP	10 00 30	Z	1.0	5.0 (0)		
		eL	10 27 40	LZ	25	32.1 (1)		
15	MV	eP	10 00 19.5	Z	1.0	4.9 (0)	87.0	4.51
15	CP	eP	10 00 33.0	Z	1.0	4.3 (0)	90.0	4.55
15	LC	eL	10 31 03	LZ	30	32.5 (1)	94.0	
							AVG.	4.50
15	12 22 29.9		36.7 N 102.1 E TSINGHAI, CHINA H =033 KM					
15	13 08 57.2		24.9 N 122.0 E NEAR COAST OF FORMOSA H =047 KM					
15	WI	eP	13 22 13.5	Z	1.2	5.1 (0)	94.0	4.78
15	13 50 28.3		11.5 N 087.8 W OFF W. COAST OF NICARAGUA H =033 KM					
15	SJ	eP	13 54 46.4	Z	0.7	7.9 (0)	19.0	4.09
15	LC	eP	13 56 11.4	Z	0.5	1.8 (0)	27.0	3.99
15	MN	eP	13 57 48.0	Z	1.0	2.0 (0)	38.0	3.86
		ePCP	14 00 07	Z	0.7	2.0 (0)		
15	WI	eP	13 57 58.7	Z	0.6	1.4 (0)	40.0	3.83
							AVG.	3.94
15	LC	eP	14 11 23.0	Z	0.7	2.9 (0)		
15	LC	e	14 11 51	Z	0.6	2.0 (0)		
15	WI	eP	14 13 22.5	Z	0.8	3.9 (0)		
15	WI	e	14 14 18	Z	1.0	4.4 (0)		
15	WI	eP	14 22 32.8	Z	0.8	1.3 (0)		
15	15 04 15.0		36.0 N 023.9 E MEDITERRANEAN SEA H =081 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
15	MN	eP	16 35 41.8	Z	1.0	3.3	(0)		
15	17 39 19.2		17.1 S 179.6 W FIJI ISLANDS H =276 KM						
15	TF	eP	17 50 41.8	Z	999.9	99.9	(9)	77.0	
		ePS	18 01 22	LT	12	15.3	(2)		
		ePPS	18 02 42	LR	25	84.9	(1)		
		eL	18 11 42	LT	27	10.0	(2)		
15	CP	eP	17 50 46.5	Z	1.5	25.7	(0)	78.0	4.73
15	MV	eP	17 50 50.7	Z	999.9	99.9	(9)	78.0	
		eS	18 00 38	LR	15	47.7	(1)		
		eS	18 00 38	LT	15	70.1	(1)		
		e	18 02 52	LT	25	61.0	(1)		
		e	18 05 55	LR	18	31.5	(1)		
15	MN	eP	17 50 57.5	Z	1.8	47.6	(0)	80.0	4.99
		eS	18 00 57	LR	10	14.0	(2)		
		eS	18 00 57	LT	12	72.4	(1)		
15	WI	eP	17 51 08.6	Z	1.0	10.0	(0)	82.0	4.57
		e	17 51 16	Z	0.6	9.8	(0)		
		eS	18 01 15	LR	15	19.9	(2)		
		eS	18 01 15	LT	17	19.1	(1)		
		esS	18 04 10	LR	27	10.5	(2)		
15	LC	eP	17 51 21.9	Z	1.2	16.5	(0)	85.0	4.71
		e	17 51 31	Z	0.7	7.1	(0)		
		eS	18 01 45	LT	17	10.4	(2)		
		eS	18 01 45	LR	12	13.8	(2)		
							AVG.		4.75
15	19 11 09.*		38.2 N 075.8 E NORTHERN INDIA H =153 KM						
15	19 26 34.3		20.5 S 177.9 W FIJI ISLANDS H =496 KM						
15	TF	eP	19 37 42.2	Z	1.2	24.1	(1)	78.0	5.51
15	CP	eP	19 37 48.2	Z	1.0	12.5	(1)	79.0	5.31
		epP	19 39 33	Z	1.5	25.7	(0)		
15	MV	eP	19 37 51.0	Z	0.7	54.1	(0)	80.0	5.10
15	MN	eP	19 38 08.0	Z	999.9	99.9	(9)	83.0	
		epP	19 39 54	Z	1.2	12.8	(0)		
		eS	19 47 29	R	2.0	63.0	(0)		
		eS	19 47 29	T	2.2	77.5	(0)		
		eSKPP*	20 07 12	Z	1.2	5.1	(0)		
15	WI	eP	19 38 08.7	Z	999.9	99.9	(9)	83.0	
		epP	19 40 10	Z	1.4	37.3	(0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		ePP	19 41 28	Z	1.2	12.0	(0)		
		eS	19 47 48	R	2.6	92.3	(0)		
		eS	19 47 48	T	2.3	40.8	(0)		
15	FM	eP	19 38 19.6	Z	1.0	65.9	(0)	85.0	5.22
15	LC	eP	19 38 23.6	Z	1.0	17.7	(1)	87.0	5.75
		epP	19 40 19	Z	1.0	7.1	(0)		
		eS	19 48 22	LT	17	10.0	(2)		
		eS	19 48 25	T	2.2	28.4	(0)		
		eP'P'	20 04 29	Z	1.2	11.0	(0)		
15	SJ	eP	19 38 44.5	Z	0.8	92.0	(0)	91.0	5.76
								AVG.	5.44
15	LC	eP	21 26 26.4	Z	0.3	2.9	(0)	1.2	
		eS	21 26 44	R	0.5	4.0	(0)		
15	22 17 50.9		31.3 S 013.4 W SOUTH ATLANTIC OCEAN H =033 KM						
15	LC	eSS	22 52 22	LR	999.9	99.9	(9)	109.0	
		eL	23 09 45	LZ	40	13.5	(2)		
		eL	23 19 38	LZ	25	59.0	(1)		
		eL	23 19 38	LT	24	73.7	(1)		
15	MV	eSS	22 55 15	LR	18	36.3	(1)	122.0	
		eL	23 15 30	LZ	40	11.9	(2)		
		eL	23 22 50	LZ	25	96.4	(1)		
		eL	23 22 50	LR	25	75.3	(1)		
15	NG	eLQ	23 00 24	LR	999.9	99.9	(9)	103.0	
		eLR	23 05 25	LZ	27	54.3	(1)		
		eL	23 09 35	LZ	22	85.2	(1)		
		eL	23 09 35	LR	20	31.9	(1)		
		eL	23 09 35	LT	20	63.0	(1)		
15	DH	eL	23 05 00	LZ	20	65.6	(1)	92.0	
		eL	23 05 20	LZ	20	62.1	(1)		
		eL	23 05 20	LR	20	65.4	(1)		
		eL	23 05 20	LT	22	34.9	(1)		
15	MN	eL	23 14 59	LZ	43	15.7	(2)	120.0	
		eL	23 22 02	LR	25	10.7	(2)		
15	WI	eL	23 21 57	LZ	22	60.3	(1)	119.0	
		eL	23 25 15	LT	20	10.8	(2)		
15	MV	eP	22 44 54.2	Z	0.8	3.9	(0)		
15	MV	e	22 44 59	Z	1.0	21.4	(0)		
16	03 14 05.9		54.0 S 133.5 W SOUTH PACIFIC OCEAN H =033 KM						

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	SJ	eP	03 26 50.5	Z	1.0	38.0 (0)	87.0	5.51
16	CP	eP	03 26 52.3	Z	1.0	17.5 (0)	88.0	5.24
16	LC	eP	03 26 59.2	Z	1.2	16.8 (0)	89.0	5.11
		eLR	03 56 45	LZ	25	78.7 (1)		
16	TF	eP	03 27 03.8	Z	999.9	99.9 (9)	90.0	
16	MN	eP	03 27 19.6	Z	1.2	10.2 (0)	94.0	5.06
		eLR	03 57 50	LZ	22	35.1 (1)		
							AVG.	5.23

16 03 52 56.1 07.5 N 074.5 W COLOMBIA
H =033 KM

16	LC	eP	04 00 21.6	Z	0.9	27.0 (0)	39.0	4.97
16	WI	eP	04 01 54.7	Z	0.6	2.3 (0)	51.0	4.33
							AVG.	4.65

16 04 49 11.9 09.7 N 093.9 E NICOBAR ISLANDS
H =070 KM

16	LC	eP	05 38 06.3	Z	0.3	5.6 (0)	3.7	
		e	05 38 13	Z	0.3	12.1 (0)		
		eS	05 38 51	T	999.9	99.9 (9)		

16 05 44 52.3 51.3 N 179.9 W ANDREANOF - ALEUTIAN IS.
H =038 KM

16	MV	eP	05 52 40.5	Z	0.8	2.8 (0)	42.0	4.08
		ePCP	05 54 35	Z	0.7	3.9 (0)		
16	WI	eP	05 52 51.0	Z	999.9	99.9 (9)	43.0	
		eLR	06 05 23	LZ	25	59.5 (1)		
16	MN	eP	05 53 01.4	Z	0.8	13.8 (0)	44.0	4.73
16	TF	eP	05 53 07.5	Z	999.9	99.9 (9)	45.0	
16	CP	eP	05 53 37.5	Z	0.7	6.5 (0)	49.0	4.73
16	NG	eP	05 54 36.1	Z	0.6	22.3 (0)	57.0	5.37
16	DH	eP	05 55 37.8	Z	999.9	99.9 (9)	66.0	
		eLR	06 18 35	LZ	28	40.8 (1)		
							AVG.	4.73

16 06 38 40.4 54.2 N 034.9 W SOUTHWEST OF ICELAND
H =033 KM

16	WI	eP	06 48 02.3	Z	999.9	99.9 (9)	54.0	
16	LC	eP	06 48 03.6	Z	1.2	9.3 (0)	54.0	4.69

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	DH	eLR	06 52 31	LZ	29	42.5 (1)	29.0	
16	LC	eLR	07 05 35	LZ	33	18.7 (1)	54.0	
16	NG	eLR	06 54 45	LZ	30	59.1 (1)	35.0	
		eL	06 58 15	LZ	19	10.9 (2)		
		eL	06 58 15	LR	19	80.6 (1)		

16 06 44 56.8 54.3 N 035.2 W SOUTHWEST OF ICELAND
H =033 KM

16	WI	eP	06 54 18.0	Z	0.7	4.5 (0)	54.0	4.61
16	MN	eP	06 54 35.5	Z	0.9	2.5 (0)	56.0	4.25
		eLR	07 06 00	LZ	25	50.3 (1)		
16	MV	eP	06 54 42.6	Z	1.0	4.8 (0)	57.0	4.48
							AVG.	4.45

16 12 02 21.7 41.1 N 041.9 E NORTHEASTERN TURKEY
H =033 KM

16 12 32 37.6 54.4 N 035.0 W SOUTHWEST OF ICELAND
H =033 KM

16	WI	eP	12 41 58.5	Z	0.8	4.0 (0)	54.0	4.50
16	LC	eP	12 41 59.5	Z	1.0	4.8 (0)	54.0	4.48
		eLR	12 58 55	LZ	25	26.2 (1)		
16	MN	eP	12 42 15.9	Z	1.1	6.1 (0)	56.0	4.54
16	DH	eLR	12 46 18	LZ	30	71.3 (1)	29.0	
		eL	12 49 20	LZ	16	17.7 (2)		
		eL	12 49 20	LR	16	82.3 (1)		
		eL	12 49 20	LT	17	68.6 (1)		
16	NG	eLR	12 49 20	LZ	26	10.5 (2)	35.0	
		eL	12 52 25	LZ	18	17.1 (2)		
		eL	12 52 25	LR	18	11.9 (2)		
							AVG.	4.51

16	CP	eP	12 51 37.3	Z	999.9	99.9 (9)		
16	TF	eP	12 51 51.4	Z	0.4	5.7 (0)	2.8	
16	MN	eP	12 52 14.3	Z	999.9	99.9 (9)		
16	TF	eS	12 52 26	R	0.4	31.5 (0)	2.8	
16	MN	e	12 52 27	Z	0.7	21.5 (0)		
16	WI	eP	12 53 20.0	Z	0.5	3.4 (0)		
16	WI	eL	12 54 54	R	0.6	3.2 (0)		

16 15 09 16.6 24.0 S 068.2 W NORTHERN CHILE
H =150 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	DH	eP	15 19 48.0	Z	0.6	17.2 (0)	66.0	5.05
16	LC	eP	15 19 55.0	Z	999.9	99.9 (9)	67.0	
16	CP	eP	15 20 31.5	Z	0.9	8.9 (0)	73.0	4.54
16	MN	eP	15 20 59.0	Z	999.9	99.9 (9)	78.0	
16	WI	eP	15 21 08.0	Z	0.8	23.0 (0)	80.0	5.00
							AVG.	4.87

16 15 30 10.0 36.3 N 070.3 E HINDU KUSH
H =243 KM

16	DH	eP	15 33 17.4	Z	0.4	14.2 (0)	1.8	
		eS	15 33 41	T	0.5	12.0 (1)		

16 16 01 01.6 34.0 N 136.8 E NEAR COAST HONSHU, JAPAN
H =033 KM

16	MN	eP	16 18 08.7	Z	999.9	99.9 (9)		
16	CP	eP	16 18 32.0	Z	1.0	11.6 (0)		

16 20 20 56.* 04.2 S 076.2 W PERU
H =190 KM

16 21 08 38.8 11.1 S 111.6 E SOUTH OF JAVA
H =094 KM

16	MV	eP'	21 27 33.5	Z	1.0	4.8 (0)	126.0	
16	MN	eP'	21 27 42.9	Z	999.9	99.9 (9)	128.0	
16	LC	eP'	21 27 51.2	Z	999.9	99.9 (9)	140.0	
16	DH	eP'	21 28 18.4	Z	999.9	99.9 (9)	148.0	

16	DH	eP	21 31 53.2	Z	0.2	19.6 (0)	0.8	
		eS	21 32 04	T	0.5	60.4 (0)		

17 03 27 02.* 43.6 S 083.6 W WEST OF CHILOE, CHILE
H =033 KM

17	WI	eP	03 40 01.7	Z	0.9	1.7 (0)	90.0	4.25

17 03 52 42.2 52.3 N 152.5 E SEA OF OKHOTSK
H =454 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	WI	eP	04 01 57.1	Z	999.9	99.9 (9)	59.0	

17 04 22 22.5 10.6 S 078.7 W OFF COAST OF PERU
H =046 KM

17	LC	eP	04 31 17.0	Z	999.9	99.9 (9)	50.0	
17	DH	eP	04 31 34.6	Z	0.9	31.5 (0)	53.0	5.29
17	MN	eP	04 32 36.2	Z	999.9	99.9 (9)	61.0	
17	WI	eP	04 32 45.0	Z	999.9	99.9 (9)	63.0	

17	LC	eP	04 39 02.5	Z	1.0	3.6 (0)		

17 04 42 42.8 05.3 S 151.7 E NEW BRITAIN
H =072 KM

17 05 56 54.8 14.0 N 120.6 E LUZON, PHILIPPINE ISLANDS
H =207 KM

17	MN	eP	14 16 03.6	Z	0.8	2.9 (0)		

17 19 31 12.6 07.6 S 075.3 W PERU
H =201 KM

17	DH	eP	19 39 46.0	Z	0.8	30.3 (0)	50.0	4.77
17	LC	eP	19 39 47.0	Z	1.0	4.9 (0)	50.0	3.89
17	MN	eP	19 41 05.2	Z	1.0	4.2 (0)	61.0	4.30
17	WI	eP	19 41 14.8	Z	1.0	5.6 (0)	62.0	4.43
							AVG.	4.25

17 20 41 14.8 25.6 N 125.2 E RYUKYU ISLANDS
H =140 KM

17	WI	eP	20 54 09.3	Z	999.9	99.9 (9)	92.0	

18 03 12 05.7 33.1 N 135.8 E SOUTH OF HONSHU, JAPAN
H =425 KM

18 05 42 31.6 14.9 S 167.6 E NEW HEBRIDES ISLANDS
H =066 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	05 49 18.4		32.0 S 117.1 E WESTERN AUSTRALIA H =035 KM					
18	12 33 50.5		46.5 N 154.2 E KURILE ISLANDS REGION H =033 KM					
18	MN	tP	21 11 59.4C	Z	0.4	43.4 (0)	1.8	
		eS	21 12 14	R	0.5	89.5 (0)		
18	MV	eP	21 12 31.0	Z	0.6	15.1 (0)	2.6	
		eS	21 13 04	T	0.5	22.4 (0)		
18	21 16 37.6		11.0 S 167.0 E SANTA CRUZ ISLANDS H =033 KM					
19	02 35 06.8		38.8 N 074.8 E SINKIANG PROVINCE, CHINA H =033 KM					
19	MN	eP	06 42 11.3	Z	999.9	99.9 (9)		
19	WI	eP	06 42 33.4	Z	0.5	13.3 (0)		
19	MV	eP	06 42 36.5	Z	0.3	1.1 (0)	3.0	
		e	06 42 42	Z	0.3	5.8 (0)		
		e	06 43 07	T	0.6	21.1 (0)		
		eS	06 43 14	T	0.5	29.2 (0)		
19	07 22 24.5		40.9 N 142.4 E SOUTH OF HOKKAIDO, JAPAN H =033 KM					
19	WI	eP	07 33 39.5	Z	1.0	3.3 (0)	71.0	4.32
19	MN	eP	07 33 48.3	Z	1.0	5.9 (0)	72.0	4.57
							AVG.	4.44
19	MN	eP	12 20 55.8	Z	0.8	1.9 (0)		
19	WI	eP	12 21 15.8	Z	0.8	3.2 (0)		
19	19 29 03.6		16.9 N 085.0 W OFF N. COAST OF HONDURAS H =033 KM					
19	19 50 59.4		17.0 N 085.0 W OFF N. COAST OF HONDURAS H =033 KM					
19	LC	eP	19 56 19.8	Z	1.0	14.7 (0)	25.0	4.57

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	MN	eP	19 57 59.6	Z	1.1	7.2 (0)	36.0	4.45
							AVG.	4.51
19	MN	eP	21 57 09.0	Z	999.9	99.9 (9)		
19	WI	eP	21 57 15.0	Z	999.9	99.9 (9)		
20	00 19 02.*		23.7 S 180.0 FIJI ISLANDS REGION H =550 KM					
20	MN	eP	01 06 20.6	Z	0.3	7.2 (0)	1.3	
		eS	01 06 37	R	0.4	6.3 (0)		
20	LC	eP	03 00 04.9	Z	999.9	99.9 (9)		
20	LC	e	03 00 14	Z	0.9	7.5 (0)		
20	MN	eP	04 25 12.0	Z	0.3	7.2 (0)	2.5	
		eS	04 25 17	R	0.4	15.9 (0)		
20	08 56 06.2		51.9 N 173.2 W ANDREANOF - ALEUTIAN IS. H =030 KM					
20	MV	eP	09 03 10.3	Z	0.8	4.7 (0)	36.0	4.40
20	WI	eP	09 03 30.6	Z	999.9	99.9 (9)	39.0	
20	MN	eP	09 03 40.9	Z	0.8	2.4 (0)	40.0	3.95
20	LC	eP	09 05 08.1	Z	0.8	2.9 (0)	51.0	4.29
20	NG	eP	09 05 24.0	Z	999.9	99.9 (9)	53.0	
20	DH	eP	09 06 30.3	Z	999.9	99.9 (9)	62.0	
							AVG.	4.21
20	09 24 39.7		44.9 N 110.9 W YELLOWSTONE PARK, WYOMING H =028 KM					
20	WI	eP	09 26 14.9	Z	999.9	99.9 (9)	6.5	
20	10 56 51.4		50.3 N 129.4 W VANCOUVER ISLAND REGION H =031 KM					
20	MV	eP	10 59 47.0	Z	999.9	99.9 (9)	12.0	
		eL	11 03 23	LZ	19	63.3 (1)		
20	WI	eP	10 59 47.4	Z	1.2	17.0 (0)	12.0	5.03
		eL	11 03 03	LT	19	64.9 (1)		
20	MN	eP	11 00 13.5	Z	1.3	12.9 (0)	14.0	4.41

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	11 02 55	LR	14	29.3 (1)		
		eS	11 02 55	LT	16	50.4 (1)		
		eL	11 03 47	LT	27	10.1 (2)		
20	LC	eP	11 02 11.6	Z	999.9	99.9 (9)	25.0	
		eL	11 08 28	LT	30	71.3 (1)		
20	TF	eL	11 05 21	LZ	21	50.4 (1)	17.0	
20	NG	eL	11 06 50	LZ	27	48.2 (1)	27.0	
20	DH	eL	11 19 47	LZ	15	21.0 (2)	37.0	
							AVG.	4.72
20	13 16 27.0		26.4 N 110.7 W GULF OF CALIFORNIA H =027 KM					
20	LC	eP	13 18 10.1	Z	999.9	99.9 (9)	7.0	
		e	13 18 50	Z	0.5	18.5 (0)		
		eL	13 19 37	LT	16	47.8 (1)		
		eL	13 20 04	T	999.9	99.9 (9)		
20	CP	eP	13 18 25.0	Z	999.9	99.9 (9)	8.0	
		eL	13 20 00	LT	15	53.2 (2)		
		eL	13 20 33	T	1.0	9.9 (0)		
20	TF	eP	13 19 15.2	Z	999.9	99.9 (9)	12.0	
		eL	13 22 53	LR	25	25.1 (2)		
20	MN	eP	13 19 39.9	Z	1.7	52.6 (0)	14.0	4.92
		eL	13 23 51	Z	1.9	28.1 (0)		
		eLQ	13 23 20	LR	20	12.9 (2)		
		eLR	13 24 53	LZ	12	29.3 (2)		
		eL	13 25 08	LZ	12	29.3 (2)		
		eL	13 25 08	LR	12	25.8 (2)		
		eL	13 25 08	LT	13	27.6 (2)		
20	WI	eP	13 20 10.6	Z	1.5	35.9 (0)	16.0	4.30
		eL	13 24 00	LT	14	16.8 (2)		
		eL	13 24 59	R	2.2	37.0 (0)		
20	SJ	eL	13 22 31	R	1.1	10.9 (1)	11.0	
20	MV	eL	13 23 28	LZ	18	13.3 (2)	14.0	
20	NG	eL	13 29 40	LT	999.9	99.9 (9)	26.0	
20	DH	eL	13 33 28	LT	18	36.6 (2)	32.0	
							AVG.	4.61
20	CP	eP	13 42 12.6	Z	999.9	99.9 (9)	1.5	
		eS	13 42 32	R	0.4	7.7 (0)		
20	CP	eP	14 21 33.6	Z	0.3	3.1 (0)	0.7	
		eS	14 21 43	R	0.4	40.7 (0)		
20	LC	eP	15 06 05.6	Z	999.9	99.9 (9)	5.5	
		eS	15 07 10	T	0.5	3.7 (0)		
20	19 02 55.2		10.1 S 161.5 E SOLOMON ISLANDS H =097 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	22 21 28.7		26.7 N 110.7 W GULF OF CALIFORNIA H =037 KM					
20	LC	eP	22 23 06.9	Z	999.9	99.9 (9)	6.7	
		e	22 23 44	Z	0.6	6.6 (0)		
		eL	22 24 35	LR	999.9	99.9 (9)		
		eL	22 25 10	T	999.9	99.9 (9)		
20	CP	eP	22 23 20.1	Z	999.9	99.9 (9)	8.0	
		eL	22 25 30	T	1.1	15.7 (0)		
		eL	22 25 30	LZ	15	10.9 (2)		
20	TF	eP	22 24 12.8	Z	1.2	32.3 (0)	11.0	5.40
		eL	22 26 55	LR	15	14.2 (2)		
		eL	22 28 03	LZ	15	95.4 (1)		
		eL	22 28 03	LR	15	14.2 (2)		
		eL	22 28 03	LT	15	82.6 (1)		
20	MN	eP	22 24 37.7	Z	1.3	24.3 (0)	14.0	4.65
		eLQ	22 27 28	LT	20	48.7 (1)		
		eL	22 28 49	Z	1.8	16.0 (0)		
		eLR	22 29 52	LZ	13	76.3 (1)		
20	WI	eP	22 25 09.4	Z	999.9	99.9 (9)	15.0	
		eL	22 29 55	LZ	17	47.6 (1)		
		eL	22 30 20	R	999.9	99.9 (9)		
20	MV	eL	22 29 30	LZ	28	54.5 (1)	15.0	
20	NG	eL	22 34 30	LT	16	17.5 (2)	26.0	
20	DH	eL	22 38 20	LT	15	11.8 (2)	32.0	
							AVG.	5.02
20	LC	eL	22 30 12	Z	0.9	22.7 (0)		
20	LC	eL	22 30 17	LR	13	25.2 (2)		
20	22 37 28.7		15.4 S 167.7 E NEW HEBRIDES H =107 KM					
21	04 15 50.2		34.3 S 069.7 W MENDOZA PROV., ARGENTINA H =183 KM					
21	SJ	eP	04 26 26.5	Z	1.0	86.8 (0)	67.0	5.47
21	LC	eP	04 27 11.6	Z	0.8	27.6 (0)	75.0	5.05
21	FM	eP	04 27 56.1	Z	0.8	10.9 (0)	83.0	4.67
21	MN	eP	04 28 06.6	Z	1.0	9.2 (0)	85.0	4.50
21	WI	eP	04 28 15.9	Z	999.9	99.9 (9)	87.0	
21	MV	eP	04 28 17.0	Z	1.0	6.3 (0)	87.0	4.43
							AVG.	4.82
21	04 25 04.6		53.3 N 157.4 E SOUTHERN KAMCHATKA H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
			ME					
21	MV	eP	04 34 33.9	Z	0.6	4.0 (0)	55.0	4.62
21	WI	eP	04 34 39.3	Z	0.7	2.8 (0)	56.0	4.40
21	MN	eP	04 34 52.0	Z	0.8	4.7 (0)	57.0	4.57
							AVG.	4.53
21	05 48 01.*		05.5 S 149.0 E NEW BRITAIN REGION H =173 KM					
21	07 00 45.*		60.5 S 027.2 W SANDWICH ISLANDS REGION H =033 KM					
21	MN	eP'	07 19 39.3	Z	0.8	2.4 (0)	124.0	
21	WI	eP'	07 19 43.2	Z	0.9	5.2 (0)	125.0	
21	07 38 56.9		09.3 N 083.0 W PANAMA-COSTA RICA BORDER H =088 KM					
21	09 46 34.9		19.7 S 177.4 W FIJI ISLANDS H =543 KM					
21	10 35 39.0		03.0 S 136.2 E WESTERN NEW GUINEA H =057 KM					
21	11 56 15.3		02.7 S 150.1 E NEW IRELAND REGION H =050 KM					
21	14 47 05.4		59.5 N 151.2 W KENAI PENINSULA, ALASKA H =067 KM					
21	WI	eP	14 52 49.0	Z	1.0	14.7 (0)	28.0	4.63
21	MN	eP	14 53 06.9	Z	1.0	9.2 (0)	30.0	4.50
		eL	15 01 46	LZ	25	31.9 (1)		
21	CP	eP	14 53 55.9	Z	1.3	22.5 (0)	35.0	4.93
21	LC	eP	14 54 35.7	Z	1.2	12.5 (1)	40.0	5.55
							AVG.	4.90
21	18 35 41.5		18.0 S 175.4 W TONGA ISLANDS H =064 KM					
21	MN	eP	18 47 33.3	Z	1.0	8.0 (0)	78.0	4.61

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	WI	eP	18 47 45.5	Z	0.9	5.2 (0)	80.0	4.39
							AVG.	4.50
21	18 56 49.0		04.3 S 152.5 E NEW IRELAND REGION H =110 KM					
22	04 55 16.4		31.5 N 089.3 E TIBET H =033 KM					
22	08 32 33.2		11.3 S 074.7 W PERU H =033 KM					
22	LC	eP	08 41 50.0	Z	999.9	99.9 (9)	53.0	
22	WI	eP	08 43 16.2	Z	1.0	8.9 (0)	66.0	4.85
22	11 29 41.3		30.8 S 072.2 W NEAR COAST CENTRAL CHILE H =033 KM					
22	15 27 36.0		25.3 S 179.5 E SOUTH OF FIJI ISLANDS H =530 KM					
22	MN	eP	15 39 22.0	Z	1.0	5.9 (0)	86.0	4.20
22	WI	eP	15 39 32.5	Z	999.9	99.9 (9)	88.0	
22	16 07 14.0		48.3 N 155.2 E KURILE ISLANDS H =050 KM					
22	16 11 42.1		48.4 N 155.2 E KURILE ISLANDS H =050 KM					
22	17 07 10.0		14.2 S 168.5 E NEW HEBRIDES ISLANDS H =033 KM					
22	20 44 37.3		19.2 S 177.6 W FIJI ISLANDS H =546 KM					
22	23 09 06.0		06.5 S 146.6 E EASTERN NEW GUINEA H =097 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23			04 39 23.3 48.9 N 156.0 E KURILE ISLANDS H =050 KM					
23	MN	eP	04 49 25.3	Z	0.9	1.9 (0)	60.0	4.18
23	LC	eP	09 06 19.5	Z	0.9	5.3 (0)		
23	MN	eP	13 21 30.1	Z	999.9	99.9 (9)		
23	MV	eP	13 21 58.4	Z	0.4	30.1 (0)	2.3	
		eS	13 22 29	T	0.6	63.1 (0)		
23			14 39 49.0 22.6 S 178.3 W SOUTH OF FIJI ISLANDS H =299 KM					
24			02 52 09.0 08.4 N 060.8 W NEAR COAST OF VENEZUELA H =066 KM					
24	NG	eP	03 00 13.2	Z	0.8	43.0 (0)	44.0	5.23
24	FM	eP	03 01 38.4	Z	999.9	99.9 (9)	55.0	
24	MN	eP	03 02 08.4	Z	0.7	3.3 (0)	60.0	4.54
24	MV	eP	03 02 25.5	Z	0.5	3.0 (0)	62.0	4.65
							AVG.	4.81
24	CP	eP	02 54 04.6	Z	999.9	99.9 (9)	1.5	
		eS	02 54 24	T	999.9	99.9 (9)		
24			09 29 11.6 06.0 S 112.6 E JAVA SEA H =493 KM					
24	MN	eP'	09 47 13.1	Z	999.9	99.9 (9)	123.0	
		ePP	09 49 00	Z	1.5	9.9 (0)		
24	DH	eP'	09 47 47.0	Z	999.9	99.9 (9)	143.0	
24	SJ	eP'	09 47 49.7	Z	999.9	99.9 (9)	144.0	
24			10 14 52.0 10.1 S 160.8 E SOLOMON ISLANDS H =033 KM					
24	MN	eP	10 27 47.1	Z	999.9	99.9 (9)	90.0	
24			12 09 01.2 15.2 S 173.6 W TONGA ISLANDS REGION H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	TF	eP	12 20 15.5	Z	1.0	21.0 (0)	71.0	5.12
		eLR	12 41 20	LZ	28	35.6 (2)		
24	CP	eP	12 20 27.4	Z	999.9	99.9 (9)	73.0	
		ePCP	12 20 39	Z	999.9	99.9 (9)		
		eLR	12 41 57	LZ	25	19.4 (2)		
24	MV	eP	12 20 28.6	Z	1.0	17.9 (0)	73.0	5.05
		ePCP	12 20 40	Z	1.1	20.1 (0)		
		eLR	12 47 10	LZ	25	10.4 (2)		
24	MN	eP	12 20 38.0	Z	1.2	51.8 (0)	74.0	5.36
		eS	12 30 05	LT	20	38.1 (1)		
		eS	12 30 05	LR	999.9	99.9 (9)		
		eLR	12 42 40	LZ	27	19.8 (2)		
		eL	12 44 20	LZ	24	18.4 (2)		
		eL	12 44 20	LR	23	63.9 (1)		
		eL	12 44 20	LT	23	17.5 (2)		
24	FM	eP	12 21 04.8	Z	1.3	35.6 (0)	79.0	5.17
24	NG	eLR	12 55 00	LZ	35	13.6 (2)	97.0	
		eL	12 59 03	LZ	23	16.7 (2)		
		eL	12 59 03	LR	23	15.9 (2)		
		eL	12 59 03	LT	20	33.0 (1)		
							AVG.	5.18
24			15 42 23.5 28.6 N 056.4 E SOUTHERN IRAN H =100 KM					
24	MN	eP	17 32 13.0	Z	999.9	99.9 (9)	0.5	
		eS	17 32 21	R	999.9	99.9 (9)		
24	MN	eP	18 08 25.9	Z	999.9	99.9 (9)	0.8	
		eS	18 08 37	R	999.9	99.9 (9)		
24	MN	eP	20 26 40.0	Z	1.0	7.5 (0)		
24	CP	eP	21 05 02.6	Z	999.9	99.9 (9)	1.5	
		eS	21 05 22	T	999.9	99.9 (9)		
24			21 43 13.* 47.5 N 121.9 W KING COUNTY, WASHINGTON H =033 KM					
24	MV	eP	21 45 15.0	Z	999.9	99.9 (9)	8.0	
		eL	21 48 15	LZ	11	16.8 (2)		
24	MN	eP	21 45 34.0	Z	1.0	99.9 (9)	10.0	
		eL	21 48 20	Z	2.0	42.1 (0)		
		eL	21 48 26	LT	14	90.3 (1)		
24	LC	eP	21 47 37.0	Z	999.9	99.9 (9)	19.0	
24			22 27 32.5 08.0 N 126.8 E OFF COAST MINDANAO, P. I. H =067 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MN	ePP	22 46 00	LZ	22	24.2 (1)	104.0	
		eS	22 53 20	LT	22	31.9 (1)		
		eLR	23 15 40	LZ	28	84.0 (1)		
24	MV	eSP	22 54 34	LZ	999.9	99.9 (9)	101.0	
		eLR	23 14 20	LZ	28	16.2 (2)		
		eL	23 18 20	LZ	21	17.2 (2)		
		eL	23 18 20	LR	21	11.7 (2)		
		eL	23 18 20	LT	21	59.0 (1)		
24	LC	ePKKP	22 56 51	Z	0.7	4.9 (0)	115.0	
		eSP	22 56 51	LZ	20	69.4 (1)		
		eSS	23 03 12	LT	20	48.0 (1)		
		eSSS	23 07 37	LR	22	68.7 (1)		
		eLQ	23 15 50	LT	33	83.9 (1)		
		eLR	23 22 27	LZ	25	54.7 (1)		
24	NG	eSP	22 57 28	LZ	11	54.3 (1)	117.0	
		eSS	23 03 25	LR	22	73.9 (1)		
		eLQ	23 18 45	LR	41	11.0 (2)		
		eLR	23 26 17	LZ	28	51.4 (1)		
24	TF	eLR	23 15 51	LZ	22	14.7 (2)	102.0	
24	CP	eLR	23 20 15	LZ	23	52.2 (1)	108.0	
24	SJ	eLR	23 29 41	LZ	21	56.8 (1)	123.0	

24 22 44 16.5 08.0 N 126.6 E NEAR COAST MINDANAO, P. I.
H =044 KM

24 23 22 16.2 07.7 N 126.0 E NEAR COAST MINDANAO, P. I.
H =150 KM

25 00 05 34.8 61.9 N 148.9 W SOUTHERN ALASKA
H =078 KM

25	MN	eP	00 11 38.8	Z	1.0	13.3 (0)	30.0	4.64

25 00 16 05.7 20.3 S 169.6 E LOYALTY ISLANDS REGION
H =135 KM

25	TF	eP	00 28 35.7	Z	0.9	29.0 (0)	87.0	5.23
		epP	00 29 08	Z	1.0	16.8 (0)		
25	MV	eP	00 28 39.6	Z	1.1	31.2 (0)	88.0	5.18
		epP	00 29 12	Z	1.1	31.2 (0)		
25	CP	eP	00 28 42.4	Z	0.9	20.4 (0)	88.0	5.08
25	MN	eP	00 28 48.4	Z	1.0	29.2 (0)	89.0	5.29
		epP	00 29 21	Z	1.2	19.2 (0)		
							AVG.	5.20

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

25 04 10 36.2 08.0 N 127.0 E NEAR COAST MINDANAO, P.I.
H =070 KM

25	CP	eP	05 40 05.5	Z	999.9	99.9 (9)		
25	CP	?P	06 33 41.3D	Z	999.9	99.9 (9)		
25	FM	eP	11 11 50.0	Z	0.5	25.6 (0)	2.3	
		eS	11 12 20	R	0.4	42.2 (0)		

25 12 49 42.0 21.8 N 143.8 E MARIANA ISLANDS REGION
H =190 KM

25	MV	eP	13 01 32.5	Z	1.1	35.4 (0)	80.0	5.01
		epP	13 02 19	Z	999.9	99.9 (9)		
25	TF	eP	13 01 45.5	Z	1.0	4.2 (0)	83.0	4.14
		epP	13 02 32	Z	1.4	70.0 (0)		
25	MN	eP	13 01 46.3	Z	1.0	33.3 (0)	83.0	5.04
		epP	13 02 33	Z	1.1	41.2 (0)		
25	CP	eP	13 02 03.9	Z	1.3	59.7 (0)	86.0	5.27
		epP	13 02 51	Z	1.0	20.7 (0)		
25	FM	eP	13 02 06.9	Z	1.2	42.7 (0)	87.0	5.17
		epP	13 02 53	Z	0.9	16.6 (0)		
25	LC	eP	13 02 39.3	Z	1.1	18.2 (0)	94.0	5.14
		epP	13 03 28	Z	0.9	22.7 (0)		
							AVG.	4.96

25 13 01 53.3 51.4 N 178.1 E RAT-ALEUTIAN ISLANDS
H =033 KM

25	LC	eP	13 11 36.0	Z	1.0	7.3 (0)	57.0	4.66

25 14 32 04.* 04.6 S 147.4 E OFF N. COAST NEW GUINEA
H =033 KM

25 16 14 07.5 21.1 S 179.2 W FIJI ISLANDS REGION
H =603 KM

25 16 56 40.* 17.5 S 176.2 W TONGA ISLANDS REGION
H =033 KM

25 20 21 31.6 19.0 S 173.3 W TONGA ISLANDS
H =129 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MN	eP	20 33 12.4	Z	0.8	1.9 (0)	77.0	3.96
25	LC	eP	20 33 38.8	Z	999.9	99.9 (9)	82.0	
		eLR	21 02 34	LZ	18	53.9 (1)		
25	TF	eLR	20 58 03	LZ	19	10.8 (2)	73.0	
26	CP	eP	00 17 34.1	Z	0.3	12.6 (0)	0.5	
		eS	00 17 41	T	999.9	99.9 (9)		
26	03 58 04.*		71.6 N 009.2 W JAN MAYEN ISLAND REGION H =033 KM					
26	MV	eP	10 00 45.0	Z	0.7	6.3 (0)		
26	WI	eP	10 01 07.2	Z	0.8	7.8 (0)		
26	MN	eP	10 01 18.6	Z	0.8	2.4 (0)		
26	FM	eP	10 02 07.5	Z	999.9	99.9 (9)		
26	CP	eP	10 02 26.0	Z	1.0	17.7 (0)		
26	LC	eP	10 03 39.1	Z	0.9	5.6 (0)		
26	CP	eP	10 07 39.1	Z	0.4	99.9 (9)	0.9	
		eS	10 07 51	R	0.4	13.4 (0)		
26	MN	eP	12 53 04.6	Z	0.3	8.3 (0)	0.6	
		eS	12 53 13	R	0.4	18.3 (0)		
26	TF	eP	13 41 00.0	Z	0.3	7.5 (0)	1.9	
26	MV	eP	13 41 13.3	Z	0.3	3.4 (0)	2.4	
26	TF	eS	13 41 25	R	0.4	37.1 (0)	1.9	
26	MV	eS	13 41 44	R	0.4	6.4 (0)	2.4	
26	MN	eP	15 47 10.8	Z	0.3	4.7 (0)	0.5	
		eS	15 47 19	R	0.4	7.6 (0)		
26	MN	eP	17 59 50.5	Z	0.4	5.7 (0)	1.4	
26	MN	eS	18 00 08	R	0.4	15.9 (0)	1.4	
26	MN	eP	19 11 38.4	Z	0.3	4.7 (0)	0.6	
		eS	19 11 47	R	0.4	14.1 (0)		
26	19 12 02.5		15.7 S 172.9 W TONGA ISLANDS REGION H =033 KM					
26	MN	eP	19 23 39.1	Z	1.0	5.8 (0)	74.0	4.50
26	WI	eP	19 23 51.2	Z	999.9	99.9 (9)	77.0	
26	LC	eP	19 24 07.6	Z	0.8	4.3 (0)	80.0	4.40
							AVG.	4.45

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	21 20 41.2		04.6 N 076.5 W COLOMBIA H =092 KM					
26	LC	eP	21 28 05.4	Z	999.9	99.9 (9)	39.0	
		epP	21 28 28	Z	1.0	8.6 (0)		
26	MN	eP	21 29 33.8	Z	1.0	7.5 (0)	50.0	4.57
		epP	21 29 57	Z	1.0	5.0 (0)		
26	WI	eP	21 29 40.9	Z	999.9	99.9 (9)	51.0	
27	00 50 26.6		15.2 S 175.3 W TONGA ISLANDS REGION H =085 KM					
27	01 06 55.4		25.6 N 128.3 E RYUKYU ISLANDS H =061 KM					
27	MV	eP	01 19 42.2	Z	0.9	8.6 (0)	88.0	4.89
		epP	01 19 57	Z	1.6	33.1 (0)		
27	WI	eP	01 19 49.2	Z	999.9	99.9 (9)	90.0	
		epP	01 20 03	Z	1.4	23.7 (0)		
27	MN	eP	01 19 54.4	Z	1.0	7.6 (0)	91.0	4.91
		epP	01 20 09	Z	1.5	19.8 (0)		
27	CP	eP	01 20 14.5	Z	1.2	18.0 (0)	96.0	5.47
		epP	01 20 28	Z	1.3	16.9 (0)		
							AVG.	5.09
27	01 44 34.2		66.9 N 162.4 W SEWARD PENINSULA, ALASKA H =033 KM					
27	03 00 38.7		31.6 N 115.7 W BAJA CALIFORNIA H =033 KM MAG 4.75- PAS					
27	CP	eP	03 01 01.7	Z	999.9	99.9 (9)	1.5	
		eL	03 01 02	R	14.0	11.8 (4)		
27	TF	eP	03 01 55.2	Z	999.9	99.9 (9)	5.0	
		eL	03 02 52	R	0.8	91.8 (0)		
		eL	03 03 02	LR	17	99.9 (9)		
27	MN	eP	03 02 24.6	Z	999.9	99.9 (9)	7.0	
		e	03 02 49	Z	1.0	48.9 (0)		
		eL	03 04 25	T	1.2	98.9 (0)		
		eL	03 04 25	LT	13	20.2 (2)		
27	LC	eP	03 02 28.8	Z	999.9	99.9 (9)	8.0	
		eL	03 04 40	LT	16	18.9 (2)		
		eL	03 04 47	T	0.9	26.9 (0)		
27	WI	eP	03 03 04.6	Z	999.9	99.9 (9)	10.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	03 03 44	Z	0.7	3.8 (0)		
		eL	03 05 50	T	1.0	26.9 (0)		
		eL	03 05 52	LT	17	15.5 (2)		
27	MV	eL	03 05 10	T	1.0	21.1 (0)	8.0	
		eL	03 05 10	LZ	17	59.9 (1)		
27	SJ	eL	03 08 38	LT	23	30.5 (2)	15.0	
27	NG	eL	03 14 05	LT	15	98.5 (1)	25.0	
27	DH	eL	03 21 20	LZ	15	80.7 (1)	33.0	
27	CP	eP	03 24 54.3	Z	999.9	99.9 (9)		
27	CP	eP	05 21 16.6	Z	0.3	13.6 (0)	1.2	
		eS	05 21 32	R	0.4	24.2 (0)		

27 11 47 36.3 59.4 N 153.4 W GULF OF ALASKA
H =094 KM

27	WI	eP	11 53 25.9	Z	1.0	8.8 (0)	28.0	4.35
		epP	11 53 45	Z	1.1	27.3 (0)		
		eLR	12 01 40	LZ	33	10.8 (2)		
27	MN	eP	11 53 42.5	Z	0.8	4.9 (0)	30.0	4.30
		epP	11 54 02	Z	1.0	10.1 (0)		
27	TF	eP	11 54 19.7	Z	1.0	21.0 (0)	35.0	5.02
27	CP	eP	11 54 31.9	Z	1.2	20.3 (0)	36.0	4.92
		ePCP	11 57 18	Z	0.8	5.2 (0)		
27	NG	eP	11 55 05.4	Z	999.9	99.9 (9)	40.0	
27	LC	eP	11 55 11.6	Z	999.9	99.9 (9)	41.0	
		epP	11 55 32	Z	1.1	25.8 (0)		
		eL	12 08 23	LZ	33	45.4 (1)		
							AVG.	4.65

27 15 24 46.5 44.3 N 114.5 W IDAHO
H =031 KM

27	WI	eP	15 25 40.0	Z	0.4	11.4 (0)	3.5	4.25
		eP	15 25 40	LZ	11	28.2 (2)		
		eL	15 26 40	LR	12	63.8 (2)		
27	MN	eP	15 26 22.6	Z	999.9	99.9 (9)	6.5	
		e	15 26 32	Z	0.5	12.1 (0)		
		eL	15 27 52	R	999.9	99.9 (9)		
		eL	15 28 42	LR	999.9	99.9 (9)		
27	MV	eP	15 26 32.2	Z	999.9	99.9 (9)	7.0	
		e	15 26 44	Z	0.7	9.5 (0)		
		eL	15 28 23	T	1.1	52.2 (0)		
		eL	15 28 23	LR	14	18.3 (2)		
27	TF	eP	15 27 25.2	Z	999.9	99.9 (9)	11.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	15 29 57	R	1.0	22.7 (0)		
		eL	15 30 13	LT	15	25.9 (2)		
27	LC	eP	15 28 00.0	Z	999.9	99.9 (9)	14.0	
		eL	15 31 45	T	1.2	15.3 (0)		
		eL	15 32 50	LT	12	11.5 (2)		
27	NG	eP	15 29 04.4	Z	0.9	18.6 (0)	19.0	4.34
		eL	15 34 25	T	1.4	52.6 (0)		
		eL	15 36 08	LR	10	17.0 (2)		
27	CP	eL	15 30 55	T	15.0	21.0 (3)	11.0	
27	SJ	eL	15 38 01	LR	16	15.6 (2)	23.0	
27	DH	eL	15 41 55	LZ	10	16.1 (2)	28.0	
							AVG.	4.29

27 15 38 15.7 26.2 N 127.9 E RYUKYU ISLANDS
H =109 KM

27	WI	eP	15 49 36.6	Z	0.3	3.1 (0)	2.9	
		eS	15 50 13	T	0.4	6.9 (0)		
27	CP	eP	16 23 47.7	Z	0.3	8.3 (0)	1.4	
		eS	16 24 06	R	0.4	13.5 (0)		

27 16 52 40.2 10.5 S 165.0 E SANTA CRUZ ISLANDS
H =107 KM

27	LC	eP	17 41 10.0	Z	0.4	2.1 (0)	2.7	
		eS	17 41 44	T	0.5	6.1 (0)		

27 18 46 14.6 05.2 S 152.3 E NEW BRITAIN
H =072 KM

27	TF	eP	18 59 18.2	Z	999.9	99.9 (9)	92.0	
27	MN	eP	18 59 23.3	Z	1.0	4.2 (0)	94.0	4.79
		epP	18 59 40	Z	1.2	15.5 (0)		
		eLR	19 29 15	LZ	27	13.4 (2)		
		eL	19 34 02	LZ	22	13.4 (2)		
		eL	19 34 02	LR	20	92.8 (1)		
		eL	19 34 02	LT	22	86.1 (1)		
27	WI	eP	18 59 26.7	Z	999.9	99.9 (9)	94.0	
		epP	18 59 43	Z	1.2	13.6 (0)		
27	MV	eLR	19 28 07	LZ	28	15.4 (2)	92.0	
		eL	19 31 00	LZ	23	16.6 (2)		
		eL	19 31 00	LR	24	10.9 (2)		
		eL	19 31 00	LT	25	22.2 (2)		
27	SJ	eL	19 39 16	LR	26	23.3 (2)	110.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	19 41 36	LZ	23	12.0 (2)		
		eL	19 41 36	LR	23	22.7 (2)		
		eL	19 41 36	LT	23	18.7 (2)		
27	NG	eLR	19 40 38	LZ	30	59.8 (1)	115.0	
27	19 35 14.3		41.2 N 049.8 E CASPIAN SEA H =033 KM MAG 5.50-5.75 PAL					
27	DH	eP	19 47 38.6	Z	0.7	13.2 (1)	83.0	6.17
		e	19 47 55	Z	0.8	10.2 (1)		
		eL	20 21 40	LZ	25	48.1 (2)		
27	NG	eP	19 47 51.3	Z	0.7	91.7 (0)	86.0	5.95
27	WI	eP	19 48 45.8	Z	999.9	99.9 (9)	97.0	
		ePS	20 01 45	LR	22	72.2 (1)		
		eSS	20 06 43	LR	20	14.3 (2)		
		eLR	20 27 40	LZ	32	16.0 (2)		
		eL	20 35 36	LZ	22	17.2 (2)		
		eL	20 35 36	LR	20	15.1 (2)		
		eL	20 35 36	LT	23	90.0 (1)		
27	MV	eP	19 48 55.8	Z	999.9	99.9 (9)	100.0	
		eL	20 30 00	LZ	28	23.1 (2)		
27	MN	eP	19 48 58.0	Z	999.9	99.9 (9)	100.0	
		eL	20 26 15	LT	26	14.8 (2)		
		eL	20 32 45	LZ	24	11.6 (2)		
		eL	20 32 45	LR	25	97.1 (1)		
		eL	20 32 45	LT	25	15.3 (2)		
27	LC	eP	19 49 15.3	Z	999.9	99.9 (9)	104.0	
		ePP	19 53 32	Z	1.0	7.3 (0)		
		eL	20 24 00	LZ	28	46.4 (1)		
		eL	20 38 20	LZ	22	19.7 (2)		
		eL	20 38 20	LR	22	93.3 (1)		
		eL	20 38 20	LT	22	18.8 (2)		
27	CP	eLR	20 31 18	LZ	30	18.8 (2)	104.0	
27	TF	eLR	20 33 30	LZ	25	13.7 (2)	103.0	
		eL	20 35 48	LZ	20	15.4 (2)		
		eL	20 35 48	LR	23	18.2 (2)		
		eL	20 35 48	LT	24	16.1 (2)		
27	SJ	eLR	20 35 04	LZ	23	12.9 (2)	106.0	
							AVG.	6.06
27	LC	eP	21 41 10.8	Z	999.9	99.9 (9)	3.1	
		eS	21 41 50	R	0.5	8.0 (0)		
27	MV	eP	23 16 08.1	Z	0.3	14.3 (0)	2.3	
		eS	23 16 38	T	0.4	23.5 (0)		
28	LC	eP	00 26 55.5	Z	1.0	4.1 (0)		
28	MN	eP	00 35 04.0	Z	1.0	2.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	LC	eL	00 56 50	LZ	25	46.1 (1)		
28	MN	eL	00 57 55	LZ	27	74.3 (1)		
28	WI	eL	00 59 32	LZ	27	94.8 (1)		
28	WI	eL	01 00 05	LZ	22	80.1 (1)		
28	WI	eL	01 00 05	LR	25	71.6 (1)		
28	MN	eL	01 01 37	LZ	17	43.6 (1)		
28	MN	eL	01 01 37	LR	15	27.7 (1)		
28	MN	eL	01 01 37	LT	17	53.6 (1)		
28	TF	eL	01 56 05	LZ	22	11.4 (2)		
28	02 12 14.3		10.8 S 076.7 W CENTRAL PERU H =105 KM					
28	SJ	eP	02 20 11.3	Z	0.7	93.6 (0)	44.0	5.61
		esP	02 20 47	Z	1.0	52.3 (0)		
		ePCP	02 21 56	Z	0.7	20.8 (0)		
28	DH	eP	02 21 21.5	Z	1.1	14.9 (1)	53.0	5.91
28	LC	eP	02 21 22.0	Z	1.0	34.4 (0)	53.0	5.31
		epP	02 21 48	Z	0.8	9.4 (0)		
28	NG	eP	02 21 51.5	Z	0.9	48.5 (0)	57.0	5.51
28	CP	eP	02 21 54.5	Z	1.0	8.7 (0)	57.0	4.72
		esP	02 22 31	Z	0.9	3.3 (0)		
		ePCP	02 22 47	Z	0.7	5.1 (0)		
28	FM	eP	02 22 10.5	Z	1.0	37.2 (0)	60.0	5.45
		ePCP	02 22 55	Z	0.9	11.9 (0)		
28	TF	eP	02 22 21.1	Z	1.0	12.6 (0)	61.0	4.88
28	MN	eP	02 22 28.8	Z	0.9	16.8 (0)	62.0	5.05
28	WI	eP	02 22 38.8	Z	0.7	33.0 (0)	64.0	5.36
							AVG.	5.31
28	WI	eP	02 32 36.5	Z	1.0	3.3 (0)		
28	04 05 30.9		43.5 N 144.6 E NEAR COAST HOKKAIDO, JAPAN H =033 KM					
28	WI	eP	04 16 28.6	Z	0.8	3.9 (0)	68.0	4.55
28	MN	eP	04 16 38.2	Z	1.0	7.6 (0)	70.0	4.68
28	FM	eP	04 16 56.2	Z	999.9	99.9 (9)	72.0	
28	NG	eP	04 17 35.0	Z	0.9	7.4 (0)	79.0	4.65
		eL	04 46 20	LZ	30	31.8 (1)		
		eL	04 49 37	LR	24	56.9 (1)		
28	LC	eP	04 17 41.8	Z	0.8	2.9 (0)	81.0	4.29
							AVG.	4.54
28	MN	eP	04 42 49.0	Z	0.7	1.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28			05 27 17.6 16.8 S 173.5 W TONGA ISLANDS REGION H =088 KM					
28	MN	eP	05 38 54.8	Z	0.8	1.9 (0)	76.0	4.03
28			07 47 32.8 16.7 S 172.5 W TONGA ISLANDS REGION H =154 KM					
28	MN	eP	07 58 57.5	Z	1.2	7.7 (0)	74.0	4.35
28	WI	eP	07 59 10.3	Z	1.2	3.4 (0)	77.0	3.99
28	LC	eP	07 59 25.0	Z	1.0	4.9 (0)	80.0	4.23
							AVG.	4.19
28			10 03 21.4 52.4 S 159.6 E MACQUARIE ISLANDS REGION H =033 KM					
28	MN	eP	10 19 53.3	Z	0.7	1.2 (0)		
28			10 39 30.6 19.0 S 169.6 E NEW HEBRIDES ISLANDS H =220 KM					
28	TF	eP	10 51 47.1	Z	0.9	32.3 (0)	86.0	5.15
28	CP	eP	10 51 55.0	Z	1.0	46.9 (0)	88.0	5.29
		e	10 52 28	Z	1.2	9.0 (0)		
28	MN	eP	10 52 00.0	Z	1.0	29.5 (0)	89.0	5.17
		epP	10 52 52	Z	1.0	5.0 (0)		
28	WI	eP	10 52 08.2	Z	0.8	20.9 (0)	90.0	5.11
28	FM	eP	10 52 21.5	Z	1.0	6.2 (0)	91.0	4.57
28	LC	eP	10 52 30.0	Z	1.2	7.5 (0)	95.0	4.78
							AVG.	5.01
28			12 12 19.8 02.6 S 149.9 E NEW BRITAIN H =033 KM MAG 6.50- PAS					
28	TF	eP	12 25 27.1	Z	1.4	20.0 (0)	92.0	5.25
		e	12 26 09	Z	1.0	12.6 (0)		
		ePS	12 37 15	LR	28	86.0 (2)		
		eSS	12 42 25	LR	22	54.5 (2)		
		eLQ	12 49 15	LT	30	15.7 (3)		
		eLR	12 54 15	LZ	999.9	99.9 (9)		
28	MN	eP	12 25 33.8	Z	1.3	21.1 (0)	94.0	5.34
		eP	12 25 35	LZ	15	25.0 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	12 25 58	Z	1.5	59.6 (0)		
		e	12 26 40	LZ	13	64.0 (1)		
		e	12 33 30	LZ	18	72.4 (1)		
		ePS	12 37 55	LR	28	40.2 (2)		
		eSS	12 42 56	LR	25	39.2 (2)		
		eLQ	12 50 30	LR	32	77.6 (2)		
28	WI	eP	12 25 35.8	Z	1.2	11.9 (0)	94.0	5.12
		eP	12 25 40	LZ	10	64.5 (1)		
		e	12 33 22	LZ	15	73.5 (1)		
		eS	12 36 47	LR	23	25.0 (2)		
		eS	12 36 47	LT	14	13.9 (2)		
		ePS	12 37 57	LT	23	64.3 (2)		
		e	12 45 18	LZ	20	29.6 (2)		
		eSSS	12 46 45	LT	20	52.2 (2)		
		eLQ	12 49 40	LR	999.9	99.9 (9)		
		eLR	12 51 50	LZ	999.9	99.9 (9)		
28	CP	eP	12 25 39.5	Z	0.9	10.1 (0)	95.0	5.25
		ePP	12 29 32	Z	1.5	21.5 (0)		
		e	12 34 15	LZ	17	70.4 (1)		
		eS	12 36 14	LT	12	14.8 (2)		
		eS	12 36 14	LR	12	99.9 (9)		
		ePS	12 38 05	LT	28	69.5 (2)		
		eSS	12 43 05	LT	25	68.2 (2)		
		eL	12 55 12	LT	32	99.9 (9)		
28	FM	eP	12 25 58.8	Z	0.8	3.6 (0)	99.0	5.12
		ePP	12 29 54	Z	2.0	38.8 (0)		
28	LC	eP	12 26 22.2	Z	1.0	2.4 (0)	102.0	4.82
		e	12 27 32	LZ	17	38.8 (1)		
		ePKS	12 33 55	LR	15	89.9 (1)		
		e	12 35 17	LT	24	94.0 (1)		
		eSKS	12 36 45	LR	25	33.1 (2)		
		e	12 42 20	LR	28	52.5 (2)		
		ePKKP	12 42 39	Z	1.0	6.1 (0)		
		eSS	12 46 05	LT	18	14.0 (2)		
		eLQ	12 51 55	LT	999.9	99.9 (9)		
		eLR	12 56 15	LZ	30	99.9 (9)		
28	NG	ePP	12 32 20	LZ	16	51.2 (1)	114.0	
		ePPP	12 34 17	LZ	12	91.0 (1)		
		eS	12 38 55	LR	18	60.7 (1)		
		eS	12 38 55	LT	12	77.1 (1)		
		ePS	12 41 35	LR	999.9	99.9 (9)		
		eSS	12 47 35	LR	20	22.1 (2)		
		eSSS	12 51 52	LT	27	18.0 (2)		
		e	12 55 47	LR	22	19.6 (2)		
		eLQ	12 58 50	LR	999.9	99.9 (9)		
28	SJ	e	12 34 37	LZ	12	12.6 (3)	110.0	
		eSKS	12 37 42	LR	18	68.8 (2)		
		ePS	12 41 00	LR	22	31.3 (3)		
		ePPS	12 42 05	LT	25	33.5 (3)		
		eLR	13 02 55	LZ	999.9	99.9 (9)		
28	DH	eSS	12 49 45	LR	25	39.9 (2)	123.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	13 03 47	LR	999.9	99.9 (9)		
		eL	13 05 15	LT	40	18.3 (3)		
							AVG.	5.15
28		13 00 50.7	54.7 N 161.6 W ALASKA PENINSULA					
			H =033 KM MAG 6.00-6.50 PAS					
28	WI	eP	13 07 10.2	Z	0.7	15.1 (0)	31.0	4.97
		e	13 12 33	T	2.0	12.4 (1)		
		eSCP	13 13 45	Z	1.4	79.0 (0)		
		eL	13 16 37	Z	21.0	28.0 (3)		
		eSCS	13 17 47	R	3.0	65.5 (1)		
		e	13 18 14	R	3.5	67.4 (1)		
28	MN	eP	13 07 28.0	Z	999.9	99.9 (9)	33.0	
		eS	13 12 54	T	3.0	21.1 (1)		
		eS	13 12 54	R	3.5	70.1 (1)		
		eSCP	13 13 59	Z	1.6	96.1 (0)		
		eL	13 17 19	Z	20.0	66.0 (3)		
		eSCS	13 17 57	T	3.5	50.7 (1)		
		e	13 18 21	T	3.5	56.4 (1)		
28	TF	eP	13 07 40.6	Z	1.0	23.5 (0)	35.0	5.07
		eS	13 13 14	T	2.5	29.5 (1)		
		eSCP	13 13 56	Z	1.2	38.7 (0)		
		ePCS	13 14 00	R	2.5	33.6 (1)		
		eL	13 17 34	Z	22.0	74.0 (3)		
		eSCS	13 18 03	R	3.5	89.7 (1)		
		e	13 18 28	R	3.5	10.2 (2)		
28	FM	eP	13 07 53.4	Z	1.5	36.5 (0)	36.0	5.01
		e	13 10 38	Z	1.5	12.7 (1)		
		eSCP	13 14 01	Z	1.5	54.8 (0)		
		ePCS	13 14 46	R	4.0	78.0 (1)		
		eSCS	13 18 11	R	2.5	16.2 (1)		
		e	13 18 37	R	4.0	93.6 (1)		
28	CP	eP	13 08 11.8	Z	1.0	19.0 (0)	39.0	4.77
		ePP	13 10 07	Z	1.2	63.1 (0)		
		e	13 12 49	Z	1.8	90.7 (0)		
		eSCP	13 14 09	Z	1.5	11.2 (1)		
		eS	13 14 18	T	6.0	40.7 (2)		
		eS	13 14 18	R	2.5	12.3 (1)		
		eL	13 17 43	T	12.4	81.0 (3)		
		eSCS	13 18 27	T	3.5	45.5 (1)		
		e	13 18 50	T	3.5	36.4 (1)		
28	LC	eP	13 09 01.0	Z	0.8	6.5 (0)	44.0	4.41
		ePP	13 10 23	Z	1.2	10.6 (1)		
		e	13 13 53	Z	2.2	14.3 (1)		
		e	13 16 30	Z	3.2	21.5 (1)		
		e	13 16 45	Z	4.0	47.3 (1)		
		eSCS	13 18 57	T	1.5	22.5 (0)		
		e	13 19 35	Z	3.5	32.8 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	13 23 48	Z	25.0	82.0 (3)		
28	NG	eP	13 09 11.0	Z	0.5	42.1 (0)	46.0	5.65
		eS	13 15 55	R	2.2	64.6 (1)		
		eS	13 15 55	T	2.3	40.2 (1)		
		e	13 16 00	R	2.4	91.7 (1)		
		eSCS	13 19 07	R	2.4	22.9 (1)		
		e	13 19 20	R	2.8	36.5 (1)		
28	SJ	eP	13 10 07.4	Z	0.8	24.7 (0)	53.0	5.22
		ePP	13 12 17	Z	1.5	21.5 (1)		
		e	13 16 58	R	1.8	42.6 (1)		
28	DH	eP	13 10 22.5	Z	1.0	16.0 (1)	55.0	6.00
							AVG.	5.14
28	WI	eP	13 36 55	Z	1.0	5.5 (0)		
28	MN	eP	13 40 05.0	Z	0.9	1.9 (0)		
28		13 49 54.7	55.8 N 162.9 W ALASKA PENINSULA					
			H =033 KM					
28		13 50 28.3	19.7 S 178.1 W FIJI ISLANDS					
			H =587 KM					
28	TF	eP	14 01 27.1	Z	1.1	15.5 (0)		
28	CP	eP	14 01 33.5	Z	1.0	11.7 (0)		
28	MN	eP	14 01 43.0	Z	1.0	16.8 (0)		
28	WI	eP	14 01 53.3	Z	0.9	14.4 (0)		
28	LC	eP	14 02 10.0	Z	1.1	13.6 (0)		
28	MN	e	14 03 59	Z	1.1	4.1 (0)		
28		16 07 19.*	31.2 S 177.7 W KERMADEC ISLANDS					
			H =033 KM					
28	CP	eP	16 19 59.0	Z	1.1	18.1 (0)	86.0	5.05
		eL	16 51 10	LZ	20	79.9 (1)		
28	MN	eP	16 20 11.2	Z	1.0	7.6 (0)	89.0	4.84
		eLQ	16 48 38	LT	25	53.1 (1)		
		eL	16 55 24	LZ	18	14.0 (2)		
		eL	16 55 24	LR	17	47.8 (1)		
		eL	16 55 24	LT	18	13.3 (2)		
28	WI	eP	16 20 22.5	Z	1.0	9.9 (0)	91.0	5.06
		eLQ	16 50 20	LT	20	46.3 (1)		
		eL	16 57 18	LZ	17	15.5 (2)		
		eL	16 57 18	LR	18	61.3 (1)		
		eL	16 57 18	LT	18	17.8 (2)		
28	LC	eL	16 51 08	LR	18	49.2 (1)	91.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	16 55 02	LZ	18	69.6 (1)		
		eL	16 55 02	LR	18	73.8 (1)		
		eL	16 55 02	LT	17	55.4 (1)		
28	SJ	eLR	16 56 45	LZ	17	15.7 (3)	95.0	
		eL	16 57 57	LZ	18	18.4 (3)		
		eL	16 57 57	LR	18	20.4 (3)		
		eL	16 57 57	LT	18	26.9 (3)		
28	DH	eL	17 11 45	LR	17	13.1 (2)	118.0	
		eL	17 13 52	LZ	18	20.5 (2)		
		eL	17 13 52	LR	18	16.0 (2)		
		eL	17 13 52	LT	20	39.0 (1)		
							AVG.	4.98

28 17 05 11.* 29.8 S 178.4 W KERMADEC ISLANDS
H =182 KM

28	MN	eP	17 17 43.0	Z	1.0	4.0 (0)	88.0	4.24

29 01 31 05.5 21.8 S 178.7 W FIJI ISLANDS
H =120 KM

29	LC	eP	01 43 41.6	Z	0.9	3.7 (0)	88.0	4.38

29 04 31 29.6 05.8 N 078.4 W SOUTH OF PANAMA
H =031 KM

29 07 25 48.4 04.7 S 153.5 E NEW BRITAIN REGION
H =126 KM

29 07 27 17.9 12.7 S 066.1 E INDIAN OCEAN SW CHAGOS IS.
H =033 KM

29 08 01 26.8 40.3 N 144.2 E OFF COAST HONSHU, JAPAN
H =027 KM

29 09 21 14.3 49.7 N 154.9 E KURILE ISLANDS
H =126 KM

29	MV	eP	09 30 53.6	Z	0.8	8.5 (0)	58.0	4.75
		eP AS	09 31 02.4	Z	0.9	39.7 (0)		5.36
		epP	09 31 28	Z	1.2	49.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	09 38 43	LT	18	27.8 (2)		
		eS	09 38 43	LR	15	15.9 (2)		
		eS	09 38 45	T	5.0	85.3 (1)		
		eS	09 38 45	R	3.5	22.0 (1)		
		e	09 39 41	LT	18	20.5 (2)		
		eLQ	09 45 16	LT	20	30.3 (2)		
29	WI	eP	09 31 00.3	Z	1.0	36.2 (0)	58.0	5.28
		eP AS	09 31 08.0	Z	1.0	98.9 (0)		5.71
		epP	09 31 31	Z	1.0	48.3 (0)		
		eS	09 38 56	LT	18	30.0 (2)		
		eS	09 38 56	LR	18	21.0 (2)		
		eS	09 38 58	R	3.0	18.4 (1)		
		eS	09 38 58	T	2.5	70.2 (0)		
		esS	09 39 51	LT	16	16.8 (2)		
		eSS	09 42 49	LT	16	14.3 (2)		
		eLQ	09 45 35	LT	23	25.8 (2)		
		eL	09 49 06	LZ	35	36.4 (2)		
29	MN	eP	09 31 10.5	Z	1.0	32.0 (0)	60.0	5.30
		eP AS	09 31 18.2	Z	1.0	91.2 (0)		5.75
		epP	09 31 44	Z	1.0	27.0 (0)		
		epP	09 31 43	LZ	12	40.5 (1)		
		eS	09 39 15	LT	18	26.9 (2)		
		eS	09 39 15	LR	14	10.2 (2)		
		eS	09 39 17	T	5.0	56.9 (1)		
		eS	09 39 17	R	4.0	30.1 (1)		
		e	09 41 26	LT	16	13.2 (2)		
		eSS	09 43 10	LT	18	13.8 (2)		
		eLQ	09 46 12	LT	20	26.0 (2)		
29	TF	eP	09 31 18.4	Z	1.0	29.4 (0)	61.0	5.19
		eP AS	09 31 26.8	Z	1.0	79.8 (0)		5.62
		eS	09 39 30	LR	20	24.9 (2)		
		eS	09 39 30	LT	27	11.8 (2)		
		eLQ	09 46 41	LR	30	26.4 (2)		
29	FM	eP	09 31 30.2	Z	1.0	21.8 (0)	63.0	4.98
		eP AS	09 31 37.8	Z	1.0	81.2 (0)		5.55
29	CP	eP	09 31 42.4	Z	0.8	7.4 (0)	65.0	4.61
		eP AS	09 31 51.5	Z	1.0	35.1 (0)		5.19
		epP	09 32 18	Z	1.5	77.6 (0)		
		eS	09 40 19	LT	20	18.6 (2)		
		eS	09 40 19	LR	16	98.5 (1)		
		eLQ	09 47 53	LR	25	14.3 (2)		
		eL	09 52 20	LZ	30	16.0 (2)		
29	NG	eP	09 32 15.3	Z	0.8	68.9 (0)	70.0	5.50
		eP	09 32 15	LZ	15	51.6 (1)		
		eP AS	09 32 23.0	Z	1.0	21.3 (1)		5.90
		eS	09 41 15	R	3.5	71.8 (1)		
		eS	09 41 15	LR	18	25.2 (2)		
		eS	09 41 15	LT	14	67.5 (1)		
		ePS	09 42 08	LR	18	96.5 (1)		
		eSS	09 45 45	LR	19	10.7 (2)		
		eLQ	09 49 29	LR	25	15.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC	eP	09 32 20.8	Z	1.0	13.5 (0)	71.0	4.70
		eP AS	09 32 29.4	Z	1.0	54.1 (0)		5.30
		epP	09 32 53	Z	1.0	43.1 (0)		
29	DH	eP	09 33 02.6	Z	0.7	12.0 (1)	79.0	5.81
		eS	09 42 42	LR	19	12.7 (2)		
		eS	09 42 42	LT	20	69.3 (1)		
29	SJ	esP	09 33 43	LZ	13	11.8 (2)	80.0	
		eS	09 43 03	LT	999.9	99.9 (9)		
		eS	09 43 03	LR	18	20.2 (2)		
		ePS	09 43 50	LT	19	31.7 (2)		
		eSS	09 48 11	LT	18	27.8 (2)		
		eLQ	09 58 40	LT	20	29.0 (2)		
							AS .	5.54
							AVG.	5.12

29 16 54 03.7 15.2 S 173.4 W TONGA ISLANDS
H =033 KM

29	MN	eP	17 05 39.8	Z	0.8	1.9 (0)	74.0	4.13

29 20 33 27.0 21.5 S 068.6 W CHILE BOLIVIA BORDER
H =073 KM

29	SJ	eP	20 43 04.9	Z	0.8	30.6 (0)	57.0	5.38
29	DH	eP	20 43 56.5	Z	0.9	10.8 (1)	64.0	5.86
		epP	20 44 17	Z	0.9	62.1 (0)		
		e	20 44 25	Z	1.0	10.1 (1)		
29	LC	eP	20 43 59.4	Z	1.0	35.7 (0)	65.0	5.33
		epP	20 44 20	Z	1.0	11.0 (0)		
		e	20 44 29	Z	0.9	1.8 (0)		
29	NG	eP	20 44 28.8	Z	0.9	22.4 (0)	69.0	5.10
29	CP	eP	20 44 36.6	Z	1.1	34.3 (0)	71.0	5.17
		epP	20 44 57	Z	0.9	12.4 (0)		
		e	20 45 07	Z	1.0	16.1 (0)		
29	FM	eP	20 44 51.4	Z	1.0	62.5 (0)	73.0	5.47
29	TF	eP	20 45 00.2	Z	1.0	25.2 (0)	75.0	5.05
29	MN	eP	20 45 06.1	Z	1.0	21.9 (0)	76.0	5.02
		epP	20 45 36	Z	0.9	15.5 (0)		
29	WI	eP	20 45 15.1	Z	0.6	38.1 (0)	77.0	5.48
		epP	20 45 36	Z	1.0	39.5 (0)		
		e	20 45 43	Z	1.0	37.3 (0)		
							AVG.	5.32

29 21 07 57.7 12.9 N 143.2 E MARIANA ISLANDS
H =144 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	WI	eP	21 20 36.2	Z	0.9	6.4 (0)	88.0	4.56
		epP	21 21 13	Z	1.0	9.8 (0)		
29	MN	eP	21 20 37.8	Z	1.0	6.7 (0)	89.0	4.64
							AVG.	4.60

29 22 50 22.7 52.7 N 168.4 W FOX-ALEUTIAN ISLANDS
H =033 KM

30 04 39 56.3 54.8 N 161.6 W ALASKA PENINSULA
H =033 KM

30	WI	eP	04 46 21.0	Z	1.0	11.1 (0)	32.0	4.68
		e	04 46 33	Z	0.9	17.9 (1)		
30	MV	eP	04 46 23.0	Z	0.9	3.6 (0)	32.0	4.24
30	MN	eP	04 46 34.0	Z	999.9	99.9 (9)	33.0	
30	CP	eP	04 47 17.6	Z	1.0	4.3 (0)	39.0	4.14
		e	04 47 37	Z	1.0	16.1 (0)		
		eLR	04 58 03	LZ	27	12.7 (2)		
30	NG	eP	04 48 10.7	Z	0.7	53.1 (0)	45.0	5.51
30	FM	eLR	04 58 08	LZ	29	11.4 (2)	36.0	
30	LC	eLR	05 00 53	LZ	28	16.9 (2)	44.0	
30	SJ	eLR	05 07 30	LZ	23	68.7 (1)	53.0	
							AVG.	4.64

30 05 51 00.9 44.9 N 110.8 W YELLOWSTONE PARK, WYOMING
H =033 KM

30	WI	eP	05 52 36.0	Z	0.5	4.2 (0)	6.0	4.32
		e	05 53 56	R	0.9	35.9 (0)		

30 06 08 25.4 00.2 N 123.4 E NORTHERN CELEBES
H =033 KM

30 09 51 23.7 50.8 N 157.4 E NEAR COAST S. KAMCHATKA
H =031 KM

30 10 10 04.1 55.6 S 028.3 W SANDWICH ISLANDS REGION
H =033 KM MAG 6.50- PAS

30	SJ	eP	10 23 56.6	Z	1.1	63.2 (0)	102.0	6.19
		eP	10 23 57	LZ	19	19.5 (2)		
		e	10 24 02	Z	2.0	57.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	10 27 25	Z	1.1	50.5 (0)		
		ePP	10 28 09	Z	2.0	38.4 (1)		
30	DH	ePD	10 24 21	LZ	999.9	99.9 (9)	106.0	
		eP'	10 28 32.5	Z	1.5	14.9 (1)		
		ePP	10 28 37	LZ	999.9	99.9 (9)		
		ePP	10 28 52	Z	1.8	38.7 (1)		
		eSKS	10 34 53	LT	20	28.8 (2)		
		eSKKS	10 36 00	LR	20	99.9 (9)		
		ePS	10 37 45	LT	20	59.3 (2)		
		ePKKS	10 43 10	LR	999.9	99.9 (9)		
30	LC	ePD	10 24 32.0	Z	999.9	99.9 (9)	110.0	
		ePD	10 24 35	LZ	21	11.7 (2)		
		eP'	10 28 10	Z	2.8	20.8 (1)		
		ePP	10 29 02	Z	999.9	99.9 (9)		
		ePP	10 29 10	LZ	18	61.6 (1)		
		ePKKP	10 39 43	Z	0.9	1.8 (0)		
30	NG	ePD	10 24 52	LZ	999.9	99.9 (9)	113.0	
		eP'	10 28 38.5	Z	999.9	99.9 (9)		
		ePP	10 29 21	LZ	999.9	99.9 (9)		
		ePP	10 29 24	Z	1.7	10.1 (1)		
		e	10 31 48	Z	2.0	12.1 (1)		
		eSKS	10 35 21	LT	19	21.7 (2)		
		eSKKS	10 36 27	LT	19	27.6 (2)		
30	CP	ePD	10 25 01	LZ	999.9	99.9 (9)	115.0	
		eP'	10 28 42.9	Z	1.0	7.3 (0)		
		ePP	10 29 45	LZ	999.9	99.9 (9)		
		eSKS	10 36 38	LR	20	18.1 (2)		
		eSKKS	10 37 30	LT	18	36.4 (2)		
		ePPS	10 40 22	LR	999.9	99.9 (9)		
		eLR	11 06 03	LZ	999.9	99.9 (9)		
30	FM	ePD	10 25 17	LZ	19	73.5 (1)	118.0	
		ePP	10 30 10	LZ	999.9	99.9 (9)		
		eSKKS	10 37 43	LR	18	36.2 (2)		
		ePKKS	10 42 20	LR	16	33.7 (2)		
		e	10 47 12	LR	16	99.9 (9)		
		eLR	11 06 50	LZ	999.9	99.9 (9)		
30	MN	eP'	10 28 53.3	Z	0.9	6.4 (0)	120.0	
		ePP	10 30 18	Z	1.5	79.4 (0)		
		ePKKP	10 40 48	Z	1.8	27.3 (1)		
30	TF	eP'	10 28 56.1	Z	1.0	16.8 (0)	119.0	
		ePP	10 30 45	Z	1.7	29.7 (1)		
30	WI	ePKP	10 28 57.0	Z	999.9	99.9 (9)	121.0	
		ePP	10 30 37	Z	1.5	11.4 (1)		
		eSKP	10 32 46	Z	2.0	15.3 (1)		
		eSKKS	10 37 53	R	4.5	79.5 (1)		
		ePKKP	10 38 58	Z	999.9	99.9 (9)		
		eSPP	10 42 08	Z	999.9	99.9 (9)		
30	MV	eP'	10 28 57.4	Z	0.9	12.1 (0)	122.0	
		ePP	10 30 32	Z	999.9	99.9 (9)		
		eSKS	10 36 01	R	5.5	19.2 (2)		
		ePKKP	10 38 53	Z	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	10 33 59.1		29.7 N 080.5 E INDIA NEPAL BORDER H =057 KM					
30	CP	eP	14 43 40.5	Z	999.9	99.9 (9)	4.5	
		eS	14 44 36	R	999.9	99.9 (9)		
30	CP	eP	15 24 15.6	Z	0.7	3.6 (0)	3.1	
		eS	15 24 55	T	0.6	26.8 (0)		
30	CP	eP	16 22 35.6	Z	999.9	99.9 (9)	3.5	
		eS	16 23 22	T	0.6	35.0 (0)		
30	23 05 09.6		39.8 N 104.6 W COLORADO H =033 KM					
31	03 09 58.3		63.5 N 149.4 W CENTRAL ALASKA H =056 KM					
31	MN	eP	03 16 01.4	Z	1.2	6.5 (0)	30.0	4.28
		e	03 16 14	Z	0.8	3.0 (0)		
31	CP	eP	03 17 03.8	Z	1.0	4.3 (0)	37.0	4.25
31	NG	eP	03 17 11.5	Z	0.6	12.1 (0)	38.0	4.91
31	LC	eP	03 17 37.2	Z	0.9	2.8 (0)	41.0	4.05
							AVG.	4.37
31	WI	eP	04 15 53.5	Z	0.6	4.1 (0)		
31	LC	eP	04 17 17.0	Z	999.9	99.9 (9)		
31	CP	eP	04 17 38.5	Z	0.9	3.3 (0)		
31	FM	eP	04 18 43.7	Z	1.1	11.6 (0)		
31	MN	eP	04 18 50.2	Z	1.7	42.5 (0)		
31	LC	eLQ	04 20 37	LR	17	17.7 (2)		
31	MN	eP	04 42 34.2	Z	0.7	1.6 (0)		
31	05 06 46.0		27.9 N 126.3 E RYUKYU ISLANDS H =033 KM					
31	WI	eP	05 19 40.5	Z	1.0	76.9 (0)	89.0	5.85
		e	05 20 57	Z	3.1	35.7 (1)		
		e	05 22 31	Z	3.5	25.6 (1)		
		e	05 40 50	Z	1.2	8.4 (0)		
		e	05 40 54	LR	24	19.4 (2)		
		eLR	05 43 42	LZ	30	86.7 (1)		
		eL	06 06 29	LZ	17	10.0 (2)		
		eL	06 06 29	LR	17	12.2 (2)		

			IME	INST	PER	AMPL	DIST	MAG
		eL	06 06 29	LT	18	30.9 (2)		
31	MN	eP	05 19 45.7	Z	1.2	14.4 (1)	90.0	6.04
		e	05 20 55	Z	2.8	21.6 (1)		
		ePP	05 23 18	Z	2.9	26.3 (1)		
		eL	05 46 07	LT	999.9	99.9 (9)		
		eL	05 50 10	LZ	999.9	99.9 (9)		
31	TF	eP	05 19 49.4	Z	1.2	96.9 (0)	91.0	5.97
31	FM	eP	05 20 01.1	Z	999.9	99.9 (9)	94.0	
		ePP	05 23 44	Z	2.0	58.9 (0)		
		eSSS	05 41 22	LR	16	59.1 (1)		
		eL	05 47 20	LR	35	11.9 (2)		
31	CP	eP	05 20 07.3	Z	1.4	12.5 (1)	95.0	6.15
		ePP	05 23 57	Z	3.3	32.5 (1)		
31	LC	eP	05 20 37.7	Z	1.0	3.6 (0)	102.0	5.00
		ePP	05 24 43	Z	999.9	99.9 (9)		
		ePKKP	05 37 03	Z	999.9	99.9 (9)		
		eL	05 49 03	LT	39	20.6 (2)		
		eL	06 10 13	LZ	23	12.5 (2)		
		eL	06 10 13	LR	21	38.6 (2)		
		eL	06 10 13	LT	18	10.7 (2)		
31	NG	eSKS	05 31 10	LT	21	55.1 (1)	100.0	
		eS	05 32 00	LR	19	40.0 (1)		
		ePS	05 33 36	LR	20	63.0 (1)		
		eL	05 50 52	LR	43	33.5 (2)		
31	SJ	e	05 36 00	LR	17	86.1 (1)	110.0	
		eL	05 56 45	LT	999.9	99.9 (9)		
31	DH	eL	05 54 45	LT	33	30.9 (2)	107.0	
		eL	06 07 20	LZ	26	57.4 (2)		
		eL	06 07 20	LR	21	73.7 (2)		
		eL	06 07 20	LT	27	49.2 (2)		
							AVG.	5.80
31	CP	eP	05 12 27.0	Z	0.5	0.5 (0)	4.3	
		e	05 12 38	Z	0.6	3.6 (0)		
		e	05 12 42	Z	0.7	26.2 (0)		
		eS	05 13 19	T	0.6	24.9 (0)		
31	LC	eP	06 06 35.4	Z	1.1	6.0 (0)		
31	LC	eP	06 06 41.7	Z	1.0	17.2 (0)		
31	CP	eP	06 06 55.0	Z	999.9	99.9 (9)		
31	CP	eP	06 07 01.0	Z	1.2	31.5 (0)		
31	FM	eP	06 08 01.7	Z	999.9	99.9 (9)		
31	MN	eP	06 08 05.2	Z	1.2	7.8 (0)		
31	FM	eP	06 08 07.4	Z	1.3	72.5 (0)		
31	MN	eP	06 08 11.4	Z	1.0	11.9 (0)		
31	MN	e	06 08 14	Z	1.1	24.6 (0)		
31	WI	eP	06 08 37.7	Z	999.9	99.9 (9)		
31	WI	eP	06 08 43.9	Z	1.4	60.1 (0)		
31	LC	e	06 09 52	T	0.7	1.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	WI	eP	10 50 38.6	Z	999.9	99.9 (9)	3.7	
		eS	10 51 24	T	0.4	5.0 (0)		
31	11 27 30.7		54.7 N 161.7 W ALASKA PENINSULA H =033 KM					
31	WI	eP	11 33 54.0	Z	999.9	99.9 (9)	32.0	
31	LC	eP	11 35 46.3	Z	999.9	99.9 (9)	45.0	
31	NG	eP	11 35 50.4	Z	0.6	14.2 (0)	46.0	5.10
31	15 07 00.4		35.8 N 021.9 E IONIAN SEA, WEST OF CRETE H =033 KM					
31	LC	eP	16 02 07.8	Z	0.9	3.7 (0)		
31	LC	eL	16 03 38	Z	0.9	2.8 (0)		
31	16 21 52.8		21.5 S 178.1 W FIJI ISLANDS H =373 KM					
31	WI	eP	16 33 46.0	Z	0.8	3.9 (0)	85.0	4.28
		epP	16 35 13	Z	1.2	10.1 (0)		
31	LC	eP	16 34 00.0	Z	1.0	3.6 (0)	87.0	4.19
		epP	16 35 27	Z	1.1	6.0 (0)		
							AVG.	4.24
31	NG	eP	16 39 01.0	Z	1.0	38.8 (0)		
31	LC	eP	16 53 14.6	Z	1.1	3.0 (0)		
31	WI	eP	17 00 33.3	Z	999.9	99.9 (9)		
31	WI	e	17 01 27	Z	0.4	3.0 (0)		
31	WI	eL	17 02 30	R	0.5	9.1 (0)		
31	17 06 04.4		41.4 N 050.2 E TURKMEN, S.S.R. H =033 KM					
31	DH	eP	17 18 28.0	Z	0.8	48.6 (0)	83.0	5.68
31	NG	eP	17 18 40.4	Z	0.8	28.7 (0)	86.0	5.38
							AVG.	5.53
31	18 44 00.2		52.7 N 168.7 W FOX-ALEUTIAN ISLANDS H =033 KM					

		IME		INST	PER	AMPL	DIST	MAG
31	19 10 22.6	54.2 N 167.5 E BERING SEA H =053 KM						
31	LC eP	19 20 41.2		Z	0.7	2.4 (0)	62.0	4.43
31	20 31 50.1	10.6 S 165.2 E SANTA CRUZ ISLANDS H =050 KM						

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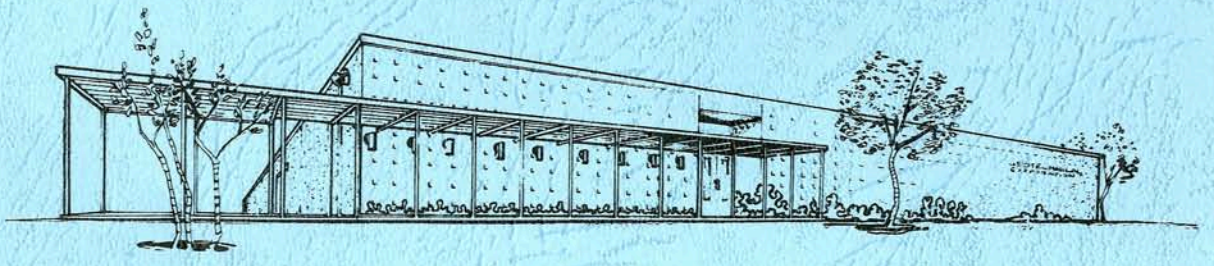
February 1963

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No: VT/074
ARPA Order No: 104-60
ARPA Code No: 8100
Contractor: The Geotechnical Corporation
Garland, Texas
Contract No: AF 33(600)-41694

Bulletin No. 14
February 1963

25 June 1963

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TABLES

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at ten of the forty mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/074, Contract AF 33(600)-41694, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the forty teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U.S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM sites consists of a three-component Benioff short-period seismograph system and a three-component Sprengnether

long-period seismograph system. Both systems use phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by fourteen-channel Magnetic Tape Recorders, Ampex Model 314.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G.C.T.).

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table.

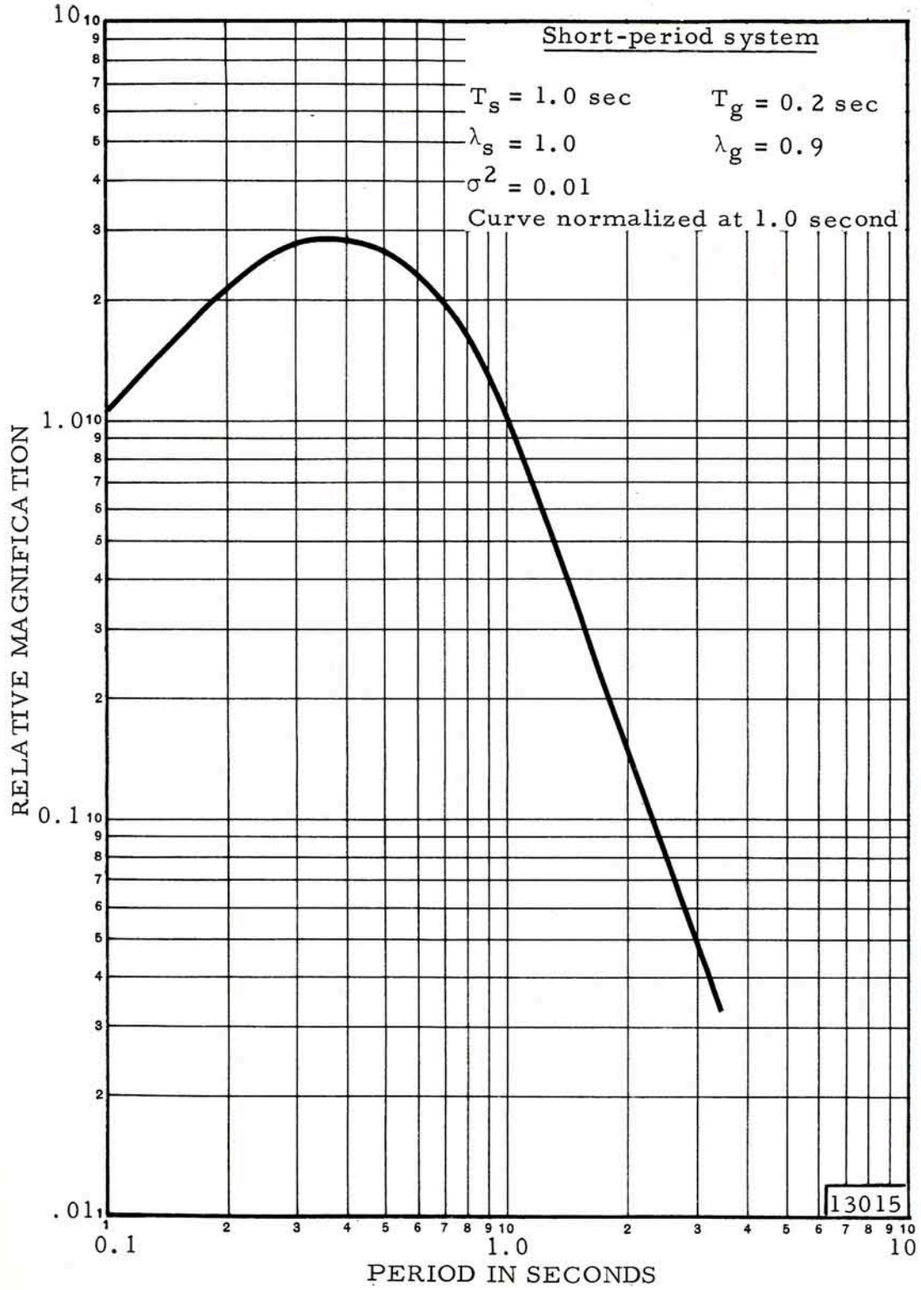


Figure 1. Frequency response of the short-period seismograph system

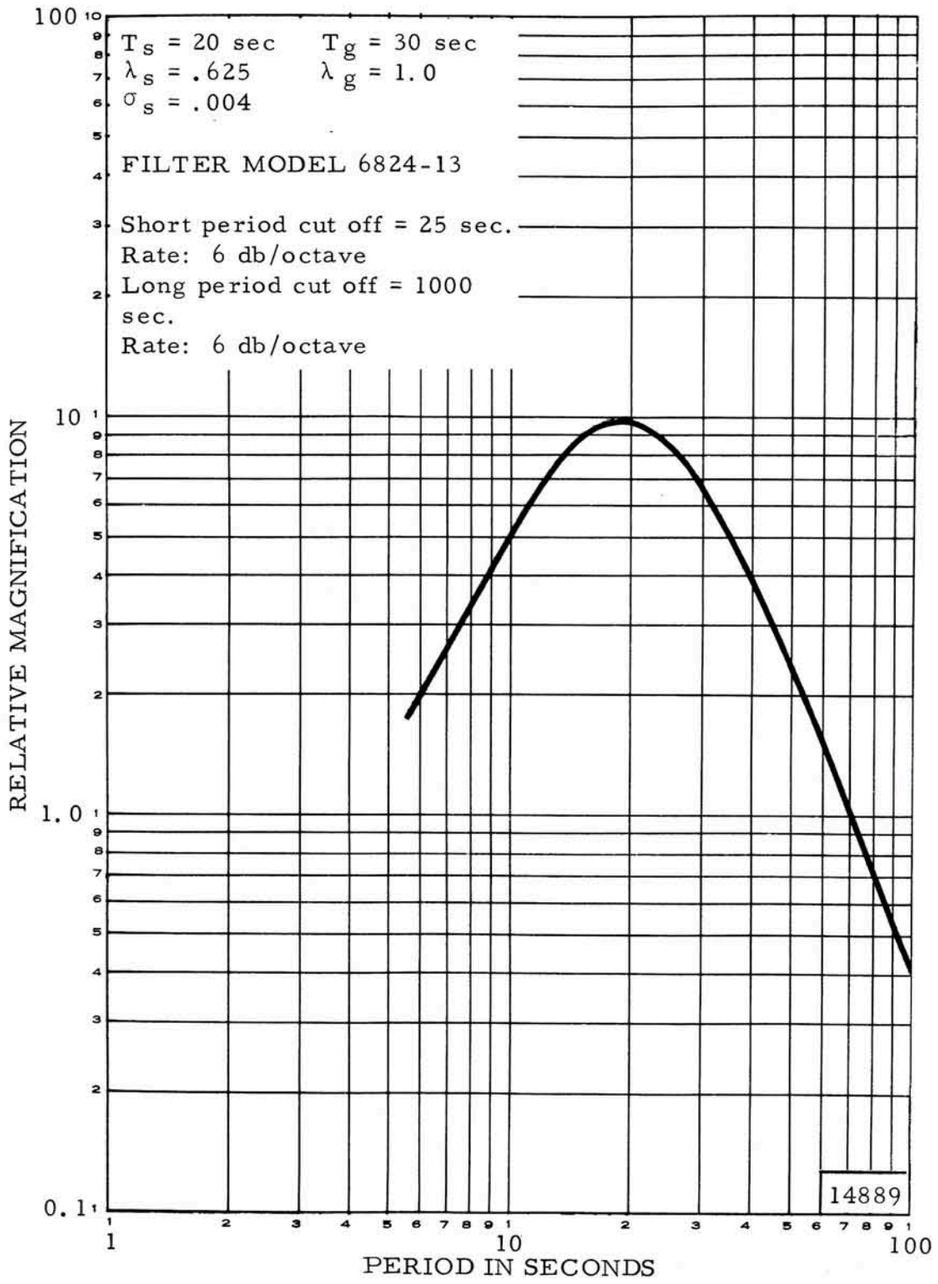


Figure 2. Frequency response of the long-period seismograph system

Station Designator	Location
SJ	San Jose, Texas
LC	Las Cruces, New Mexico
CP	Campo, California
MV	Marysville, California
WI	Winnemucca, Nevada
MN	Mina, Nevada
FM	Fillmore, Utah
NG	Niagara, Wisconsin
DH	Delhi, New York
TF	Taft, California

The locations of the stations are shown in figure 3.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (G.C.T.). Arrival times indicate that time at which phase motion is first detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

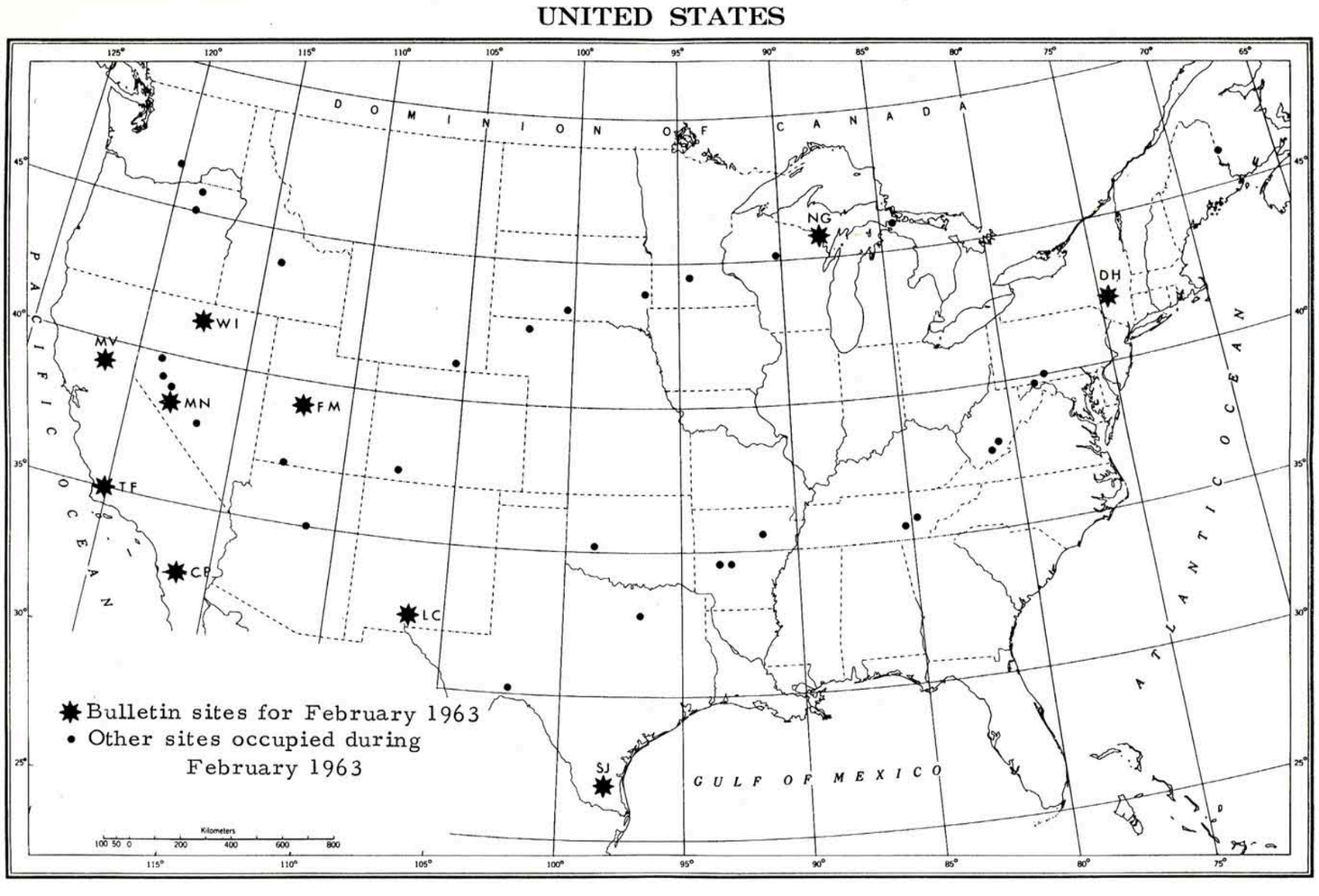


Figure 3. LRSM Program Sites

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given in the following table:

Z	Short-Period Vertical
R*	Short-Period Radial (horizontal)
T*	Short-Period Transverse (horizontal)
LZ	Long-Period Vertical
LR*	Long-Period Radial (horizontal)
LT*	Long-Period Transverse (horizontal)

* Refer to table 1 for Instrument Orientation.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

3.7 AMP This column contains the amplitude of the phase given in millimicrons of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$30.0\ (2) = 30 \times 10^2 = 3000\ m\mu$
$30.0\ (1) = 30 \times 10^1 = 300\ m\mu$
$30.0\ (0) = 30 \times 10^0 = 30.0\ m\mu$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

TABLE 1

LRSM SITE INFORMATION

Horizontal seismometer orientation

Site Designation	Site Location	Azimuth from True North in Degrees* Radial	Transverse	Site Coordinates in deg, min, sec	Elevation in km	Rock Type
SJ TX	San Jose, Texas	127	217	N 27 36 43 W 98 18 46	0.114	Limestone
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58	1.585	Limestone
CP CL	Campo, California	182	272	N 32 43 44 W 116 22 16	1.189	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35	0.183	Volcanics
WI NV	Winnemucca, Nevada	346	076	N 41 21 02 W 117 27 30	1.524	Limestone
MN NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.524	Limestone
FM UT	Fillmore, Utah	058	148	N 39 13 06 W 112 12 25	1.890	Limestone
NG WS	Niagara, Wisconsin	078	168	N 45 45 27 W 88 08 57	0.396	Granite
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18	0.652	Sandstone
TF CL	Taft, California	235	325	N 35 09 49 W 119 58 03	0.792	Sandstone

*When earth moves in direction shown, trace moves up.

3.8 DIST This is the distance from the recording station to the epicenter. All reported distances are calculated based on geocentric coordinates. Distance is given to the nearest 1/10 of a degree for distances up to six degrees. Beyond six degrees, calculations are made to the nearest one degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases the major arc distance is given.

3.9 MAG The Unified Magnitude (m) of the earthquake is determined by:

$$m = \log_{10} A + B$$

where m = Unified magnitude

A = 1/2 P-P amplitude in millimicrons/second of the "P" phase (initial arrival)

B = Log function of distance and depth.

These factors were obtained from the Gutenberg-Richter tables. Computations for distances less than 16° are based on AFTAC extensions of Gutenberg's tables.[1] For this purpose, points from 10° to 16° were read from a curve in the Gutenberg-Richter paper and an inverse cube relationship was used to extrapolate from 2° to 10°.

The average magnitude (sum of station magnitudes/number of stations) is listed on the last line of an epicenter print-out.

When possible, magnitudes (m) are computed for foreshocks and aftershocks as well as for the main event.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

[1] Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Ann. Geofis., 9, pp. 1-15.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC/TD-1)
Attn: Captain N.G. Maddox
Washington 25, D.C.

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	NG	eLR	08 34 17	LZ	25	99.9 (9)		
1	NG	eL	08 43 27	LZ	15	99.9 (9)		
1	NG	eL	08 43 27	LR	17	99.9 (9)		
1	NG	eL	08 43 27	LT	16	99.9 (9)		
1	08 49 14.4		30.6 S 178.1 W KERMADEC ISLANDS H =054 KM					
1	FM	eLR	08 52 25	LZ	20	61.5 (1)		
1	MN	eLR	08 55 37	LZ	20	76.7 (1)		
1	MN	eP	09 20 44.9	Z	0.3	7.4 (0)	3.5	
		eS	09 20 53	R	0.4	24.1 (0)		
1	09 45 03.8		08.5 S 159.1 E SOLOMON ISLANDS H =144 KM					
1	MN	eP	09 57 47.8	Z	0.9	5.7 (0)	90.0	4.61
1	CP	eP	09 57 50.0	Z	0.9	5.5 (0)	90.0	4.60
							AVG.	4.61
1	10 16 34.1		03.0 S 131.0 E CERAM REGION H =033 KM					
1	TF	eP	15 28 20.4	Z	0.3	60.0 (0)	1.2	
		eS	15 28 36	R	0.4	87.5 (0)		
1	CP	eP	15 28 50.0	Z	999.9	99.9 (9)	3.8	
		eS	15 29 37	R	0.5	4.2 (0)		
1	16 38 58.3		44.2 N 114.6 W CENTRAL IDAHO H =033 KM					
1	FM	eP	16 40 20.7	Z	999.9	99.9 (9)	5.3	
		e	16 40 30	Z	0.7	11.9 (0)		
1	MN	eP	16 40 35.8	Z	999.9	99.9 (9)	6.0	
		e	16 40 48	Z	0.4	6.3 (0)		
1	FM	eL	16 41 42	R	0.8	59.9 (0)	5.3	
		eL	16 41 44	LR	14	58.5 (1)		
1	MN	eL	16 42 15	R	0.5	13.8 (0)	6.0	
		eL	16 42 28	LR	15	74.2 (1)		
1	SJ	eL	16 52 08	LR	17	67.9 (1)	21.0	
1	MN	eP	16 53 03.7	Z	0.9	3.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	CP	eP	16 53 22.2	Z	0.9	5.5 (0)		
1	FM	eP	16 53 24.5	Z	999.9	99.9 (9)		
1	MN	eP	17 35 22.5	Z	999.9	99.9 (9)		
1	MN	eL	17 36 48	R	0.5	3.0 (0)		
1	MN	eP	18 11 12.7	Z	0.3	3.5 (0)	2.2	
		eS	18 11 42	R	0.4	9.3 (0)		
1	WI	eP	21 43 13.0	Z	0.3	16.6 (0)	0.7	
		eS	21 43 23	R	0.4	7.6 (0)		
1	22 42 15.*		19.8 S 178.2 W FIJI ISLANDS REGION H =200 KM					
2	TF	eP	04 09 53.3	Z	0.3	21.0 (0)		
2	TF	e	04 09 56	Z	0.3	70.5 (0)		
2	MN	eP	04 10 13.6	Z	0.3	0.3 (0)	3.5	
		e	04 10 17	Z	0.4	3.1 (0)		
2	WI	eP	04 10 49.2	Z	0.5	0.4 (0)		
2	MN	eS	04 10 57	T	0.5	18.5 (0)	3.5	
2	WI	eL	04 12 22	R	0.7	5.9 (0)		
2	04 51 08.1		16.2 S 178.0 E FIJI ISLANDS H =033 KM					
2	MN	eP	05 03 25.5	Z	1.2	10.3 (0)	81.0	4.67
2	WI	eP	05 03 35.7	Z	1.1	10.9 (0)	83.0	4.89
							AVG.	4.78
2	WI	eP	04 52 40.0	Z	1.0	3.3 (0)		
2	07 50 45.4		09.2 S 120.2 E SUMBA STRAIT H =050 KM					
2	11 48 20.0		19.7 S 174.6 W TONGA ISLANDS H =077 KM					
2	MN	eP	12 00 13.7	Z	1.0	8.4 (0)	78.0	4.59
		e	12 00 36	Z	1.1	16.6 (0)		
2	WI	eP	12 00 25.7	Z	999.9	99.9 (9)	81.0	
		epP	12 00 48	Z	1.0	6.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	11 51 41.7		39.0 N 122.8 W LAKE COUNTY, CALIFORNIA H =033 KM					
2	MN	eP	11 52 37.1	Z	999.9	99.9 (9)	3.6	
		e	11 52 45	Z	0.6	4.9 (0)		
		eS	11 53 34	R	0.7	7.5 (0)		
2	12 09 36.9		39.0 N 122.8 W LAKE COUNTY, CALIFORNIA H =033 KM					
2	MN	eP	12 10 32.0	Z	999.9	99.9 (9)	3.6	
		e	12 10 40	Z	0.6	9.5 (0)		
		eS	12 11 30	R	0.6	8.3 (0)		
2	WI	eP	12 10 44.9	Z	999.9	99.9 (9)	4.7	
		eS	12 12 02	T	0.6	2.3 (0)		
2	13 58 18.9		36.8 N 121.5 W SAN BENITO CO., CALIFORNIA H =016 KM					
2	TF	eP	13 58 53.7	Z	0.2	42.0 (0)	2.1	
2	MN	eP	13 59 09.5	Z	0.5	0.3 (0)	3.1	2.60
		e	13 59 13	Z	0.5	4.1 (0)		
2	16 38 48.2		07.1 S 155.7 E SOLOMON ISLANDS H =096 KM					
2	16 43 00.0		20.1 N 121.7 E BATAN ISLANDS H =033 KM					
2	18 01 13.*		51.3 N 179.1 W ANDREANOF ALEUTIAN ISLANDS H =033 KM					
2	19 32 15.1		18.8 N 081.5 W CAYMAN ISLANDS H =071 KM					
2	MN	eP	19 39 22.9	Z	0.8	4.4 (0)	37.0	4.39
		ePCP	19 41 42	Z	0.7	2.9 (0)		
2	21 25 38.*		13.9 N 092.1 W OFF WEST COAST GUATEMALA H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	FM	eP	21 31 54.6	Z	0.9	8.6 (0)	31.0	4.61
		eLQ	21 42 35	LR	20	81.6 (1)		
		eL	21 43 00	LR	20	81.6 (1)		
		eL	21 43 00	LT	20	35.0 (1)		
2	MN	iP	21 32 18.7C	Z	0.7	9.6 (0)	34.0	4.80
		eLQ	21 42 40	LT	25	14.2 (2)		
		eL	21 44 50	LT	18	20.2 (2)		
		eLR	21 46 07	LZ	18	64.7 (1)		
2	MV	eLQ	21 43 27	LR	25	78.1 (1)	40.0	
		eL	21 46 00	LR	21	10.0 (2)		
							AVG.	4.71
3	WI	eP	01 45 24.9	Z	0.3	2.7 (0)	3.7	
		eS	01 46 11	R	0.5	14.7 (0)		
3	01 48 00.5		23.9 S 179.7 W FIJI ISLANDS REGION H =500 KM					
3	MN	eP	01 59 42.5	Z	1.3	6.4 (0)	85.0	4.09
3	WI	eP	01 59 52.9	Z	1.1	5.4 (0)	87.0	4.19
3	LC	eP	02 00 05.7	Z	1.0	2.4 (0)	89.0	3.99
		epP	02 02 01	Z	1.2	5.6 (0)		
							AVG.	4.09
3	04 23 28.*		15.1 N 092.0 W OFF WEST COAST GUATEMALA H =166 KM					
3	LC	eP	04 28 06.9	Z	0.7	14.7 (0)	22.0	4.55
		epP	04 28 38	Z	0.8	1.4 (0)		
3	FM	eP	04 29 22.7	Z	0.8	8.5 (0)	30.0	4.53
		epP	04 29 59	Z	1.0	7.2 (0)		
3	MN	eP	04 29 48.1	Z	1.0	13.4 (0)	33.0	4.59
		epP	04 30 24	Z	1.0	8.4 (0)		
		ePCP	04 32 28	Z	0.8	2.9 (0)		
3	WI	eP	04 30 00.4	Z	0.8	22.1 (0)	34.0	4.90
		epP	04 30 36	Z	1.1	18.9 (0)		
							AVG.	4.64
3	MN	eP	07 08 52.0	Z	0.7	0.8 (0)		
3	11 18 08.*		08.8 S 075.8 W PERU H =033 KM					
3	MN	eP	11 28 26.6	Z	1.0	2.5 (0)	61.0	4.27

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	12 52 13.8		07.6 N 072.1 W VENEZUELA-COLOMBIA BORDER H =033 KM					
3	LC	eP	12 59 51.7	Z	1.0	59.1 (0)	40.0	5.23
3	FM	eP	13 00 50.5	Z	0.5	6.8 (0)	48.0	4.93
3	MN	eP	13 01 19.0	Z	0.5	2.8 (0)	52.0	4.49
		ePCP	13 02 32	Z	0.7	2.9 (0)		
3	WI	eP	13 01 26.2	Z	0.5	4.5 (0)	52.0	4.69
							AVG.	4.83
3	14 25 30.*		79.0 N 021.2 W KING FRED VIII LAND, GRLD H =033 KM					
4	01 17 03.1		06.3 S 149.1 E NEW BRITAIN REGION H =036 KM					
4	MN	eP	01 30 29.7	Z	999.9	99.9 (9)	96.0	
		eLR	02 01 27	LZ	29	14.8 (2)		
4	MV	eLR	02 00 09	LZ	30	16.1 (2)	94.0	
4	TF	eLR	02 00 28	LZ	29	23.6 (2)	94.0	
4	WI	eLR	02 01 54	LZ	30	96.8 (1)	97.0	
		eL	02 07 48	LZ	22	11.0 (2)		
		eL	02 07 48	LR	20	32.6 (1)		
		eL	02 07 48	LT	21	87.3 (1)		
4	FM	eLR	02 03 48	LZ	32	12.7 (2)	101.0	
		eL	02 06 10	LR	25	63.4 (1)		
		eL	02 06 10	LZ	25	96.9 (1)		
		eL	02 06 10	LT	25	88.3 (1)		
4	LC	eLR	02 05 29	LZ	34	17.8 (2)	105.0	
4	SJ	eLR	02 10 48	LR	29	24.7 (2)	113.0	
4	NG	eLR	02 11 55	LZ	38	14.6 (2)	117.0	
4	05 14 25.6		27.3 N 054.2.E SOUTHERN IRAN H =034 KM					
4	07 18 06.9		27.7 N 054.6 E SOUTHERN IRAN H =033 KM					
4	MN	eP	07 46 13.0	Z	999.9	99.9 (9)	1.7	
		eS	07 46 36	R	999.9	99.9 (9)		
4	09 17 20.0		17.4 S 178.8 W FIJI ISLANDS REGION H =552 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	10 04 03.4		51.6 N 176.6 W ANDREANOF - ALEUTIAN IS. H =033 KM					
4	12 28 38.1		05.1 N 082.4 W SOUTH OF PANAMA H =045 KM					
4	LC	eP	12 35 32.0	Z	1.0	6.1 (0)	35.0	4.48
		ePP	12 37 00	LZ	16	18.9 (1)		
		eS	12 41 15	LR	15	31.7 (1)		
		eSS	12 43 43	LR	17	18.4 (1)		
		eLR	12 46 20	LZ	38	11.0 (2)		
4	FM	eP	12 36 39.0	Z	999.9	99.9 (9)	43.0	
4	MN	eP	12 37 03.0	Z	999.9	99.9 (9)	46.0	
		eLR	12 52 52	LZ	27	54.3 (1)		
4	WI	eP	12 37 14.0	Z	999.9	99.9 (9)	48.0	
		eL	12 53 34	LZ	30	34.1 (1)		
		eL	12 57 37	LZ	18	50.5 (1)		
		eL	12 57 37	LR	18	10.1 (2)		
4	SJ	eLR	12 42 52	LR	30	16.7 (2)	27.0	
4	TF	eL	12 48 06	LZ	27	11.1 (2)	46.0	
4	15 04 05.3		17.3 S 167.9 E NEW HEBRIDES ISLANDS H =033 KM					
4	16 15 22.9		26.1 N 124.1 E RYUKYU ISLANDS REGION H =033 KM					
4	18 00 41.4		16.5 S 173.6 W TONGA ISLANDS REGION H =033 KM					
4	LC	eP	18 16 07.2	Z	999.9	99.9 (9)		
4	LC	eL	18 18 02	T	0.4	4.7 (0)		
4	20 57 10.9		48.2 N 153.9 E KURILE ISLANDS H =057 KM					
4	23 21 09.0		48.5 N 154.9 E KURILE ISLANDS H =085 KM					
4	MV	eP	23 30 55.9	Z	999.9	99.9 (9)	58.0	
		eLR	23 48 10	LZ	35	11.0 (2)		
4	WI	eP	23 31 03.1	Z	1.2	15.8 (1)	58.0	5.92

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	23 49 05	LZ	30	18.2 (2)		
4	MN	eP	23 31 12.8	Z	1.2	64.3 (0)	61.0	5.54
4	TF	eP	23 31 20.0	Z	1.1	10.8 (1)	62.0	5.82
		e	23 31 39	Z	1.1	77.8 (0)		
		eLR	23 49 20	LZ	32	15.0 (2)		
4	FM	eP	23 31 33.5	Z	1.0	50.5 (0)	64.0	5.44
		e	23 31 53	Z	1.0	28.0 (0)		
		eLR	23 51 40	LZ	32	15.6 (2)		
4	LC	eP	23 32 23.5	Z	999.9	99.9 (9)	72.0	
		e	23 32 44	Z	1.3	49.7 (0)		
4	NG	eLR	23 51 08	LZ	33	44.4 (1)	71.0	
							AVG.	5.68

5 01 47 49.8 00.0 123.8 E CELEBES REGION
H =164 KM

5	LC	eP?	02 06 29.0	Z	0.7	3.0 (0)	123.0	

5 05 04 03.4 19.2 N 147.1 E MARIANA ISLANDS REGION
H =038 KM

5	WI	iP	05 16 19.5D	Z	1.0	24.1 (1)	82.0	6.16
5	TF	eP	05 16 20.0	Z	0.9	16.1 (0)	82.0	5.04
5	MN	iP	05 16 21.4D	Z	0.8	10.6 (0)	82.0	4.91
5	CP	eP	05 16 38.0	Z	1.0	8.5 (0)	85.0	4.82
5	FM	eP	05 16 42.3	Z	1.0	8.5 (0)	86.0	4.75
5	LC	eP	05 17 15.4	Z	1.0	7.3 (0)	93.0	5.03
							AVG.	5.12

5	CP	iP	07 02 17.0C	Z	0.3	8.6 (0)	0.6	
		e	07 02 19	Z	0.3	4.6 (0)		
		eS	07 02 26	R	0.3	18.4 (0)		
		e	07 02 33	R	0.3	11.8 (0)		

5 07 19 30.0 59.4 N 156.4 W ALASKA
H =033 KM

5 07 29 00.3 44.3 N 114.5 W CENTRAL IDAHO
H =033 KM

5	WI	iP	07 29 52.0C	Z	0.6	32.1 (0)	3.7	4.52
		e	07 29 56	Z	999.9	99.9 (9)		
5	FM	eP	07 30 17.5	Z	0.6	1.1 (0)	5.4	3.56

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	07 31 29	R	0.6	12.9 (0)		
		eS	07 31 37	R	0.7	37.0 (0)		
5	MN	eP	07 30 36.2	Z	0.5	1.6 (0)	6.0	3.91
		e	07 30 52	Z	0.7	8.5 (0)		
		eS	07 31 13	T	0.7	15.4 (0)		
							AVG.	4.00

5 12 08 20.6 53.7 N 165.4 W FOX-ALEUTIAN ISLANDS
H =033 KM

5	WI	eP	12 15 02.8	Z	1.0	35.1 (1)	34.0	6.21
5	MN	eP	12 15 15.4	Z	0.7	10.2 (0)	35.0	4.86
5	TF	eP	12 15 25.5	Z	0.8	9.9 (0)	37.0	4.66
5	FM	eP	12 15 41.9	Z	999.9	99.9 (9)	39.0	
5	CP	eP	12 15 57.3	Z	0.8	8.4 (0)	40.0	4.49
5	LC	eP	12 16 45.5	Z	0.9	7.5 (0)	46.0	4.65
5	NG	eP	12 16 59.0	Z	0.8	28.7 (0)	48.0	5.35
5	SJ	eP	12 17 48.8	Z	999.9	99.9 (9)	55.0	
							AVG.	5.04

5 14 03 16.6 31.8 S 179.4 W KERMADEC ISLANDS
H =137 KM

5 17 49 38.* 14.2 N 094.0 W OFF COAST CHIAPAS, MEXICO
H =033 KM

5	SJ	eP	17 52 56.2	Z	1.2	10.3 (1)	14.0	5.33
5	LC	iP	17 54 23.0D	Z	1.0	30.7 (0)	21.0	4.58
		eL	17 59 57	LZ	25	53.0 (1)		
5	CP	eP	17 55 22.2	Z	1.4	10.2 (0)	27.0	4.29
5	FM	eP	17 55 42.7	Z	1.1	10.5 (0)	30.0	4.54
5	MN	eP	17 56 05.2	Z	1.4	40.9 (0)	32.0	5.10
		eLQ	18 04 48	LT	25	62.8 (1)		
5	WI	iP	17 56 20.0D	Z	1.2	59.1 (1)	34.0	6.35
							AVG.	5.03

5	LC	eP	19 24 20.0	Z	0.3	3.5 (0)	2.8	
		e	19 24 25	Z	0.3	5.7 (0)		
		e	19 24 50	T	0.4	4.3 (0)		
		eS	19 24 56	T	0.4	12.5 (0)		

5 19 29 30.0 31.9 S 179.0 W KERMADEC ISLANDS
H =068 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	CP	eP	19 42 12.4	Z	1.0	24.3 (0)	87.0	5.25
		e	19 42 34	Z	1.0	15.7 (0)		
5	MN	eP	19 42 23.5	Z	1.0	6.8 (0)	90.0	4.76
		e	19 42 54	Z	1.0	8.6 (0)		
5	WI	eP	19 42 34.8	Z	1.0	65.9 (0)	92.0	5.91
							AVG.	5.31
5	20 39 21.6		38.4 S 073.2 W NEAR COAST CENTRAL CHILE					
			H =041 KM MAG 6.25-6.50 PAS					
5	SJ	eP	20 50 29.2	Z	2.6	79.3 (1)	70.0	6.26
		eP	20 50 30	LZ	13	39.2 (2)		
		eS	20 59 40	LT	999.9	99.9 (9)		
5	LC	eP	20 51 10.3	Z	2.7	37.1 (1)	77.0	5.91
		eP	20 51 13	LZ	18	10.4 (2)		
		ePP	20 54 15	LZ	21	43.5 (1)		
		eS	21 00 30	LR	20	38.6 (1)		
		eSKS	21 01 03	LT	999.9	99.9 (9)		
		eSS	21 06 00	LR	21	36.9 (2)		
		eSSS	21 09 10	LR	20	30.9 (2)		
		e	21 11 40	LT	25	20.9 (2)		
		eL	21 12 24	LT	40	10.1 (3)		
		eLR	21 17 55	LZ	999.9	99.9 (9)		
5	DH	eP	20 51 29.5	Z	2.6	12.6 (2)	80.0	6.34
		eP	20 51 30	LZ	13	30.9 (2)		
		eS	21 01 36	LT	17	64.5 (2)		
		eSS	21 06 35	LT	15	25.2 (2)		
		e	21 12 50	LT	30	21.5 (2)		
		eL	21 15 08	LT	32	74.7 (2)		
		eL	21 31 45	LZ	19	59.5 (2)		
		eL	21 31 45	LR	19	44.3 (1)		
		eL	21 31 45	LT	17	90.2 (1)		
5	CP	eP	20 51 35.0	Z	2.6	17.6 (1)	81.0	5.55
		eP	20 51 38	LZ	14	17.0 (2)		
		ePP	20 54 48	LZ	15	73.4 (1)		
		eS	21 01 48	LR	23	43.7 (2)		
		eS	21 01 48	LT	18	62.2 (2)		
		eSS	21 06 41	LT	21	35.4 (2)		
		eL	21 13 46	LT	30	63.1 (2)		
		eLR	21 18 34	LZ	999.9	99.9 (9)		
		eL	21 23 16	LZ	999.9	99.9 (9)		
		eL	21 23 16	LR	16	92.6 (2)		
		eL	21 23 16	LT	15	54.1 (2)		
5	NG	eP	20 51 51.7	Z	2.8	82.2 (1)	85.0	6.34
		eP	20 51 52	LZ	13	99.9 (9)		
		e	21 02 15	LR	999.9	99.9 (9)		
		e	21 06 40	LT	15	10.5 (2)		
		eSS	21 07 49	LR	24	18.7 (2)		
		e	21 10 00	LR	18	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	FM	eP	20 51 54.2	Z	2.6	54.4 (1)	85.0	6.19
		eP	20 51 55	LZ	11	19.6 (2)		
		ePP	20 55 20	LZ	16	47.0 (1)		
		e	21 02 25	LR	999.9	99.9 (9)		
		eSS	21 07 45	LT	19	99.9 (9)		
		eSSS	21 10 46	LT	999.9	99.9 (9)		
		e	21 14 55	LR	35	68.9 (2)		
		eLR	21 21 20	LZ	28	34.1 (2)		
5	TF	eP	20 51 54.9	Z	2.8	28.4 (1)	85.0	5.88
		eP	20 51 55	LZ	11	29.0 (2)		
		e	21 02 20	LT	999.9	99.9 (9)		
		eSS	21 07 32	LT	18	38.0 (2)		
		eSSS	21 11 45	LT	20	26.5 (2)		
		eL	21 15 00	LR	32	52.4 (2)		
		eLR	21 19 30	LZ	20	99.9 (9)		
5	MN	eP	20 52 02.4	Z	2.6	35.3 (1)	87.0	6.05
		eP	20 52 03	LZ	13	13.9 (2)		
		eSKS	21 02 27	LR	13	12.2 (2)		
		eS	21 02 46	LT	999.9	99.9 (9)		
		e	21 07 00	LR	20	89.0 (1)		
		eSS	21 08 06	LR	21	26.6 (2)		
		eSSS	21 11 40	LR	21	17.1 (2)		
		e	21 15 14	LT	26	30.1 (2)		
		eL	21 16 35	LT	999.9	99.9 (9)		
		eLR	21 21 43	LZ	999.9	99.9 (9)		
5	MV	eP	20 52 10	LZ	12	16.0 (2)	88.0	
		ePP	20 55 43	LZ	14	81.0 (1)		
5	WI	eP	20 52 13.5	Z	2.6	33.1 (2)	89.0	7.06
		eP	20 52 14	LZ	12	13.8 (2)		
		ePP	20 55 50	LZ	17	52.6 (1)		
		eSKS	21 02 40	LR	15	13.3 (2)		
		eS	21 03 05	LT	999.9	99.9 (9)		
		ePS	21 04 10	LZ	20	14.9 (2)		
		eSS	21 08 48	LT	25	28.3 (2)		
		eSSS	21 12 50	LR	22	21.5 (2)		
		e	21 15 45	LT	23	32.0 (2)		
		eLR	21 24 11	LZ	999.9	99.9 (9)		
							AVG.	6.18
6	01 21 29.0		38.4 S 073.6 W NEAR COAST CENTRAL CHILE					
			H =033 KM MAG 5.25-5.50 PAL					
6	SJ	eP	01 32 35	LZ	12	59.2 (1)	70.0	
		e	01 34 42	LZ	12	33.3 (1)		
		eS	01 41 47	LR	20	99.9 (9)		
		eS	01 41 47	LT	19	21.2 (2)		
		eSCS	01 42 34	LR	20	11.7 (2)		
		e	01 44 10	LR	18	88.4 (1)		
		eSS	01 46 50	LT	17	94.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	LC	eP	01 33 19.4	Z	1.0	13.5 (0)	77.0	4.93
6	DH	eP	01 33 37.5	Z	2.0	41.0 (1)	80.0	5.97
		eP	01 33 38	LZ	12	10.7 (2)		
		eS	01 43 45	LT	18	46.5 (1)		
		eS	01 43 45	LR	20	19.1 (2)		
		eSS	01 48 50	LR	18	60.7 (1)		
		e	01 57 25	LR	20	12.1 (2)		
		e	01 58 50	LR	30	19.5 (2)		
		eL	02 02 47	LZ	22	89.5 (1)		
		eL	02 02 47	LR	25	18.7 (2)		
		eL	02 02 47	LT	22	69.8 (1)		
		eLR	02 04 35	LZ	22	96.4 (1)		
6	CP	eP	01 33 44.0	Z	2.0	35.6 (0)	81.0	4.98
		eP	01 33 45	LZ	12	50.7 (1)		
		eS	01 43 57	LT	17	20.2 (2)		
		eS	01 43 57	LR	20	12.2 (2)		
		eSS	01 49 20	LT	20	88.6 (1)		
		e	01 56 25	LT	32	19.4 (2)		
		eLR	02 01 25	LZ	20	27.3 (2)		
		eL	02 05 18	LZ	15	39.1 (2)		
		eL	02 05 18	LR	15	27.0 (2)		
		eL	02 05 18	LT	15	16.3 (2)		
6	NG	eP	01 34 01.0	Z	1.9	80.9 (0)	85.0	5.53
		eP	01 34 01	LZ	12	10.3 (2)		
		e	01 44 25	LR	25	20.4 (2)		
		ePS	01 45 25	LT	18	75.4 (1)		
		eSS	01 50 08	LR	20	44.1 (1)		
		eL	01 59 35	LR	22	12.1 (2)		
		eL	02 08 40	LZ	24	12.9 (2)		
		eL	02 08 40	LR	25	73.4 (1)		
		eL	02 08 40	LT	22	76.1 (1)		
6	TF	eP	01 34 03.0	Z	2.0	40.0 (0)	85.0	5.20
		eP	01 34 03	LZ	11	64.5 (1)		
		ePS	01 44 38	LR	20	24.9 (2)		
		e	01 50 22	LR	18	67.3 (1)		
		e	01 54 10	LT	20	45.7 (1)		
		eL	02 01 28	LZ	18	90.8 (1)		
		eL	02 06 00	LZ	17	30.2 (2)		
		eL	02 06 00	LR	17	16.2 (2)		
		eL	02 06 00	LT	16	28.3 (2)		
6	FM	eP	01 34 03.4	Z	1.8	66.8 (0)	85.0	5.47
		eP	01 34 05	LZ	12	52.6 (1)		
		e	01 44 37	LR	18	20.8 (2)		
		ePPS	01 46 00	LZ	19	75.1 (1)		
		eSS	01 49 50	LR	23	74.6 (1)		
		eSSS	01 53 50	LT	22	60.9 (1)		
		e	01 55 40	LR	15	21.2 (1)		
		e	01 57 03	LR	30	14.9 (2)		
		eL	02 00 12	LR	25	16.5 (2)		
		eLR	02 05 02	LZ	18	15.0 (2)		
6	MN	eP	01 34 11.5	Z	2.0	60.6 (0)	87.0	5.41

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	01 34 12	LZ	12	38.7 (0)		
		eS	01 44 52	LT	999.9	99.9 (9)		
		eSS	01 50 42	LT	26	78.7 (1)		
		e	01 57 22	LT	23	86.8 (1)		
		eLQ	01 59 30	LT	27	99.9 (9)		
		eLR	02 04 05	LZ	22	44.0 (0)		
6	WI	eP	01 34 21.7	Z	2.0	48.3 (0)	89.0	5.35
		eP	01 34 22	LZ	12	28.2 (1)		
		eS	01 45 10	LT	18	17.3 (2)		
		eS	01 45 10	LR	15	11.9 (2)		
		eSS	01 51 18	LT	21	77.3 (1)		
		eLQ	01 57 52	LT	20	78.4 (1)		
		eLR	02 06 20	LZ	20	13.5 (2)		
		eL	02 11 55	LZ	18	12.9 (2)		
		eL	02 11 55	LR	18	12.4 (2)		
		eL	02 11 55	LT	17	20.1 (2)		
6	MV	eSKS	01 45 10	LT	22	14.4 (2)	89.0	
		eSS	01 51 10	LT	17	70.0 (1)		
		eSSS	01 54 55	LR	22	38.0 (1)		
		e	01 58 18	LT	20	42.0 (1)		
		e	02 00 15	LT	30	13.3 (2)		
		eL	02 04 15	LZ	22	79.9 (1)		
		eL	02 07 30	LZ	17	15.1 (2)		
		eL	02 07 30	LR	18	10.8 (2)		
		eL	02 07 30	LT	15	90.6 (1)		
							AVG.	5.36

6 01 55 59.2 07.9 S 119.9 E FLORES SEA
H =306 KM

6	TF	eP'	02 14 16.4	Z	1.0	9.6 (0)	119.0	
6	WI	eP'	02 14 17.3	Z	0.7	4.9 (0)	119.0	
6	MN	eP'	02 14 17.8	Z	0.7	4.0 (0)	120.0	
		ePP	02 15 43	Z	1.2	7.4 (0)		
6	CP	eP'	02 14 23.8	Z	0.8	5.9 (0)	122.0	
6	FM	eP'	02 14 26.4	Z	1.0	14.0 (0)	124.0	
6	LC	eP'	02 14 40.0	Z	1.0	9.8 (0)	131.0	
		eSKP	02 17 44	Z	0.8	3.6 (0)		
6	NG	eP'	02 14 48.6	Z	1.0	24.2 (0)	135.0	
6	DH	eP'	02 14 58.8	Z	1.0	40.4 (0)	143.0	

6 02 31 08.0 06.8 S 123.5 E FLORES SEA
H =637 KM

6 MN ePP 02 50 08 Z 1.2 3.7 (0) 116.0

6 03 27 55.8 06.8 N 073.2 W COLOMBIA-VENEZUELA BORDER
H =108 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	LC	eP	03 35 24.8	Z	0.9	13.9 (1)	40.0	5.76
		ePCP	03 36 19	Z	0.6	11.3 (0)		
		eS	03 41 21	R	2.0	24.4 (0)		
		eS	03 41 21	T	2.2	31.8 (0)		
6	CP	eP	03 36 24.0	Z	0.7	5.6 (0)	48.0	4.47
6	FM	eP	03 36 24.2	Z	0.5	19.0 (0)	48.0	5.14
		e	03 36 42	Z	0.5	4.2 (0)		
6	MN	eP	03 36 51.8	Z	0.7	10.4 (0)	51.0	4.93
6	TF	eP	03 36 51.9	Z	0.8	11.3 (0)	51.0	4.91
6	WI	eP	03 36 57.6	Z	0.5	18.3 (0)	52.0	5.32
							AVG.	5.09

6 05 41 23.* 05.3 S 145.0 E NEAR N.E. COAST NEW GUINEA
H =090 KM

6 05 53 53.9 18.1 S 177.6 W FIJI ISLANDS REGION
H =500 KM

6	TF	eP	06 04 51.9	Z	1.0	16.0 (0)	76.0	4.50
6	CP	eP	06 04 58.5	Z	1.2	50.4 (0)	77.0	4.82
6	MN	eP	06 05 07.7	Z	0.5	12.2 (0)	79.0	4.58
		eLQ	06 33 20	LT	15	92.2 (1)		
		eLR	06 36 55	LZ	12	59.9 (0)		
6	WI	eP	06 05 18.5	Z	1.1	32.7 (0)	81.0	4.77
6	FM	eP	06 05 30.6	Z	1.1	24.2 (0)	83.0	4.64
6	LC	eP	06 05 35.8	Z	1.0	20.9 (0)	84.0	4.72
		e	06 05 46	Z	1.0	4.9 (0)		
		epP	06 07 25	Z	1.0	3.6 (0)		
							AVG.	4.67

6 06 16 39.* 14.9 N 095.0 W OFF COAST CHIAPAS, MEXICO
H =033 KM

6	LC	eP	06 21 17.2	Z	0.6	2.5 (0)	20.0	3.66
6	MN	eP	06 23 00.4	Z	0.8	1.9 (0)	31.0	4.01
6	WI	eP	06 23 15.1	Z	0.7	4.1 (0)	33.0	4.44
							AVG.	4.04

6 07 01 47.0 07.4 N 082.6 W NEAR S. COAST PANAMA
H =061 KM

6	SJ	eP	07 07 15	LZ	12	29.6 (1)	25.0	
		e	07 11 45	LZ	14	51.5 (1)		
6	LC	eP	07 08 22.2	Z	1.0	14.7 (0)	33.0	4.80

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	DH	eP	07 08 39.0	Z	1.4	48.1 (0)	35.0	5.23
		eL	07 17 30	LR	40	22.4 (2)		
		eL	07 20 55	LZ	22	86.1 (1)		
		eL	07 20 55	LR	22	30.4 (2)		
		eL	07 20 55	LT	22	69.8 (1)		
6	NG	eP	07 09 03.3	Z	1.0	19.4 (0)	39.0	4.87
		eL	07 19 45	LR	25	73.4 (1)		
		eL	07 23 20	LZ	23	73.5 (1)		
		eL	07 23 20	LR	17	14.1 (2)		
		eL	07 23 20	LT	25	50.0 (1)		
6	FM	eP	07 09 30.0	Z	0.7	13.9 (0)	41.0	4.86
6	MN	eP	07 09 56.0	Z	0.7	12.0 (0)	45.0	4.81
6	WI	eP	07 10 04.9	Z	0.7	8.2 (0)	46.0	4.74
		e	07 10 21	Z	0.9	10.2 (0)		
							AVG.	4.89

6 10 20 25.5 03.5 S 146.0 E BISMARK SEA
H =033 KM

6	LC	ePS	10 48 20	LR	22	29.0 (1)	107.0	
		ePPS	10 49 25	LR	18	23.5 (1)		
		ePKKP	10 50 26	Z	1.0	2.4 (0)		
		eSS	10 54 18	LR	34	69.9 (1)		
		eLQ	11 04 15	LT	37	17.0 (2)		
		eLR	11 09 25	LZ	25	12.3 (2)		
		eL	11 12 41	LZ	22	15.4 (2)		
		eL	11 14 21	LR	22	10.9 (2)		
		eL	11 14 21	LT	23	62.2 (1)		
6	MN	eSS	10 52 10	LR	22	42.7 (1)	97.0	
		eLR	11 04 35	LZ	30	20.3 (1)		
		eL	11 08 14	LR	23	16.1 (2)		
		eL	11 08 14	LT	22	15.6 (2)		
6	NG	eSS	10 56 47	LT	18	42.4 (1)	117.0	
		eL	11 15 00	LZ	30	17.9 (2)		
		eL	11 19 10	LZ	25	27.5 (2)		
		eL	11 19 10	LR	25	16.1 (2)		
		eL	11 19 10	LT	23	91.0 (1)		
6	MV	eL	11 03 25	LZ	25	30.2 (2)	94.0	
		eL	11 05 03	LZ	25	30.2 (2)		
		eL	11 05 03	LR	24	19.7 (2)		
		eL	11 05 03	LT	25	14.6 (2)		
6	TF	eL	11 03 57	LZ	28	23.4 (2)	95.0	
		eL	11 05 20	LZ	23	14.7 (2)		
		eL	11 05 20	LT	23	11.7 (2)		
6	WI	eLR	11 04 52	LZ	25	29.1 (2)	97.0	
		eL	11 07 20	LZ	23	27.5 (2)		
		eL	11 07 20	LR	20	46.0 (1)		
		eL	11 07 20	LT	23	28.5 (2)		
6	CP	eL	11 05 20	LZ	30	26.8 (2)	98.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	11 09 18	LZ	20	23.0 (2)		
		eL	11 09 18	LT	22	18.2 (2)		
6	FM	eL	11 07 15	LZ	30	17.0 (2)	101.0	
		eL	11 10 55	LZ	22	16.0 (2)		
		eL	11 10 55	LR	23	95.4 (1)		
		eL	11 10 55	LT	22	14.5 (2)		
6	SJ	eL	11 08 40	LT	32	94.4 (1)	114.0	
		eL	11 18 15	LZ	23	61.1 (1)		
		eL	11 18 15	LR	22	12.9 (2)		
		eL	11 18 15	LT	23	94.7 (1)		
6	DH	eL	11 20 30	LZ	35	19.6 (2)	127.0	
		eL	11 26 50	LZ	22	33.0 (2)		
		eL	11 26 50	LR	23	20.0 (2)		
		eL	11 26 50	LT	22	14.4 (2)		

6 12 46 26.7 22.2 S 171.3 E LOYALTY ISLANDS REGION
H =101 KM

6	WI	eP	12 59 23.9	Z	0.7	1.6 (0)	91.0	4.37

6 17 35 45.8 00.0 124.1 E MOLUCCA SEA
H =110 KM MAG 4.20- CGS

6 18 17 10.9 55.6 N 166.1 E KOMANDORSKIE IS. REGION
H =033 KM

6	WI	eP	18 26 04.4	Z	1.1	16.3 (0)	50.0	4.87
		eP AS	18 26 12.5	Z	1.0	33.1 (0)		5.22
6	MN	eP	18 26 16.5	Z	1.1	10.9 (0)	52.0	4.73
		eP AS	18 26 24.7	Z	0.8	15.3 (0)		5.01
6	TF	eP	18 26 27.1	Z	1.0	9.6 (0)	53.0	4.71
6	FM	eP	18 26 32.6	Z	1.1	20.8 (0)	54.0	5.07
		eP AS	18 26 41.0	Z	1.0	39.3 (0)		5.39
		eSCS	18 36 25	LR	12	22.1 (1)		
		e	18 41 32	LR	23	51.8 (1)		
		eL	18 46 30	LR	22	60.9 (1)		
		eL	18 49 22	LR	20	63.1 (1)		
		eL	18 49 22	LT	17	34.2 (1)		
6	CP	eP	18 26 53.7	Z	1.0	4.2 (0)	57.0	4.43
		eP AS	18 27 01.8	Z	1.0	7.1 (0)		4.65
6	NG	eP	18 27 24.0	Z	1.2	59.7 (0)	61.0	5.56
		eP AS	18 27 32.7	Z	1.2	89.6 (0)		5.74
		ePS	18 35 45	LR	11	60.1 (1)		
		eSSS	18 42 35	LR	18	45.5 (1)		
		eL	18 48 20	LR	25	80.1 (1)		
		eL	18 49 57	LR	22	11.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	18 49 57	LT	18	40.8 (1)		
6	LC	eP	18 27 33.2	Z	1.0	19.7 (0)	63.0	5.12
		eP AS	18 27 41.9	Z	1.0	55.4 (0)		5.57
6	DH	eP	18 28 17.5	Z	1.1	18.7 (0)	70.0	5.03
		eP AS	18 28 25.8	Z	1.2	31.0 (0)		5.21
		eL	18 51 55	LR	25	54.2 (1)		
		eL	18 55 45	LR	18	14.3 (2)		
		eL	18 55 45	LT	18	76.2 (1)		
6	SJ	eL	18 50 25	LT	20	10.2 (2)	71.0	
							AS .	5.26
							AVG.	4.94

6 20 46 50.7 56.7 S 028.8 W SANDWICH ISLANDS REGION
H =033 KM

6	LC	eP	21 22 15.2	Z	0.3	11.8 (0)	1.3	
		eS	21 22 32	T	0.5	29.8 (0)		

6 21 43 16.3 28.2 S 067.4 W LA RIOJA PROV., ARGENTINA
H =019 KM

6	DH	eP	21 54 29.0	Z	1.0	20.2 (0)	70.0	5.14
		ePCP	21 54 54	Z	1.0	30.3 (0)		
6	LC	eP	21 54 33.0	Z	0.7	15.3 (0)	71.0	5.18
		ePCP	21 54 56	Z	0.8	8.7 (0)		
6	CP	eP	21 55 04.4	Z	1.0	15.6 (0)	76.0	5.03
6	FM	eP	21 55 21.4	Z	1.0	33.7 (0)	79.0	5.28
		ePCP	21 55 36	Z	0.8	8.3 (0)		
6	TF	eP	21 55 26.6	Z	0.7	9.5 (0)	80.0	4.81
6	MN	eP	21 55 35.8	Z	1.1	10.9 (0)	82.0	4.84
6	WI	eP	21 55 43.4	Z	0.7	14.3 (0)	83.0	5.25
							AVG.	5.08

7	CP	eP	00 42 50.9	Z	0.3	11.2 (0)	0.1	
		eS	00 42 54	R	0.4	19.1 (0)		

7 01 23 41.7 17.7 S 178.7 W FIJI ISLANDS REGION
H =559 KM MAG 4.30- CGS

7	TF	eP	01 34 36.5	Z	0.8	17.5 (0)	77.0	4.54
7	CP	eP	01 34 43.4	Z	999.9	99.9 (9)	78.0	
7	MN	eP	01 34 52.2	Z	0.9	11.3 (0)	80.0	4.29
7	WI	eP	01 35 02.7	Z	0.9	13.6 (0)	82.0	4.47
7	FM	eP	01 35 15.0	Z	999.9	99.9 (9)	84.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	LC	eP	01 35 20.3	Z	0.9	4.7 (0)	85.0	4.12
							AVG.	4.36
7	02 06 36.0		08.2 S 119.4 E SUMBAWA					
			H =051 KM					
7	03 29 41.9		59.6 S 147.9 E SOUTHWEST MACQUARIE ISLAND					
			H =033 KM MAG 5.00- CGS					
7	MN	eP	04 43 55.6	Z	0.3	99.9 (9)	0.9	
		eS	04 44 08	R	999.9	99.9 (9)		
7	WI	eP	04 44 45.6	Z	999.9	99.9 (9)	3.8	
		eS	04 45 33	R	0.4	4.2 (0)		
7	MN	eP	04 50 52.8	Z	0.3	7.5 (0)	0.6	
		eS	04 51 02	R	0.4	16.1 (0)		
7	MN	eP	05 25 21.9	Z	0.8	1.9 (0)		
7	MN	eP	05 51 38.5	Z	0.3	13.4 (0)	0.6	
		eS	05 51 47	R	0.5	12.8 (0)		
7	CP	eP	05 45 12.3	Z	999.9	99.9 (9)	3.6	
7	TF	eP	05 45 14.8	Z	999.9	99.9 (9)	3.4	
		e	05 45 23	Z	0.5	51.1 (0)		
7	CP	e	05 45 23	Z	0.5	17.3 (0)	3.6	
		eS	05 45 57	R	0.5	26.4 (0)		
7	TF	eS	05 45 57	T	0.5	98.1 (0)	3.4	
7	LC	eP	05 46 05.9	Z	0.4	2.1 (0)		
7	LC	eL	05 48 14	R	0.9	5.1 (0)		
7	12 12 31.4		36.4 N 070.8 E HINDU KUSH					
			H =214 KM MAG 3.70- CGS					
7	14 56 22.*		01.0 N 099.1 E NEAR N.W. COAST SUMATRA					
			H =033 KM					
7	15 44 28.4		15.2 S 173.6 W SAMOA ISLANDS REGION					
			H =033 KM MAG 4.50- CGS					
7	MN	eP	15 56 06.5	Z	999.9	99.9 (9)	74.0	
7	WI	eP	15 56 18.7	Z	999.9	99.9 (9)	77.0	
7	LC	eP	15 56 36.7	Z	999.9	99.9 (9)	80.0	
7	16 44 45.3		14.4 N 053.3 E GULF OF ADEN					
			H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	17 08 18.*		26.5 S 176.6 W KERMADEC ISLANDS REGION					
			H =033 KM MAG 4.80- CGS					
7	MN	eP	17 20 50.5	Z	999.9	99.9 (9)	85.0	
7	WI	eP	17 21 04.0	Z	999.9	99.9 (9)	87.0	
7	LC	eP	17 21 12.7	Z	999.9	99.9 (9)	89.0	
7	17 36 52.8		14.7 N 119.6 E COAST CENTRAL LUZON, P.I.					
			H =151 KM MAG 4.50- CGS					
7	LC	eP	19 55 21.4	Z	0.3	7.0 (0)	1.5	
		eS	19 55 40	T	0.4	9.6 (0)		
7	LC	eP	20 01 31.7	Z	999.9	99.9 (9)	2.9	
		eS	20 02 10	T	0.4	10.5 (0)		
7	CP	eP	21 34 02.9	Z	999.9	99.9 (9)	0.6	
		eS	21 34 11	R	999.9	99.9 (9)		
8	00 07 10.8		03.6 S 130.4 E CERAM					
			H =060 KM					
8	02 29 00.4		26.9 S 176.7 W KERMADEC ISLANDS REGION					
			H =190 KM MAG 4.00- CGS					
8	04 07 28.1		54.2 N 035.0 W NORTH ATLANTIC OCEAN					
			H =033 KM					
8	06 03 09.9		26.6 N 055.2 E PERSIAN GULF					
			H =033 KM MAG 4.10- CGS					
8	FM	eP	09 10 16.0	Z	0.5	5.4 (0)		
8	TF	eP	09 44 55.5	Z	0.2	31.2 (0)	1.6	
8	MV	eP	09 45 05.2	Z	0.3	11.7 (0)	2.0	
8	TF	eS	09 45 19	R	0.3	12.0 (1)	1.6	
8	MV	eS	09 45 33	R	0.3	23.7 (0)	2.0	
8	10 02 15.0		54.1 N 159.8 E NEAR EAST COAST KAMCHATKA					
			H =033 KM MAG 4.10- CGS					
8	13 26 20.5		50.9 N 156.6 E SOUTHERN KAMCHATKA					
			H =063 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	MV	eP	14 17 39.2	Z	0.5	4.6 (0)		
8	18 18 07.3		12.9 S 170.2 E NEW HEBRIDES IS. REGION H =628 KM					
8	LC	eP	18 43 42.2	Z	0.2	15.2 (0)	1.4	
		eS	18 44 01	R	0.3	7.4 (0)		
8	CP	eP	20 03 46.2	Z	0.2	75.7 (0)		
8	CP	eS	20 03 56	T	0.3	72.2 (0)		
8	22 30 27.6		46.7 N 153.6 E KURILE ISLANDS H =056 KM MAG 4.20- CGS					
8	22 40 29.9		14.0 S 070.3 W SOUTHERN PERU H =186 KM					
8	FM	eP	23 44 00.2	Z	0.5	10.9 (0)		
8	LC	eP	23 57 26.6	Z	0.2	5.8 (0)	1.5	
		eS	23 57 48	R	0.3	10.7 (0)		
9	02 14 40.7		20.3 S 169.1 E LOYALTY ISLANDS REGION H =048 KM					
9	03 53 06.*		36.4 N 137.9 E CENTRAL HONSHU, JAPAN H =033 KM MAG 4.40- CGS					
9	WI	eP	04 04 55.1	Z	999.9	99.9 (9)	76.0	
9	MN	eP	04 05 02.4	Z	0.9	2.4 (0)	78.0	4.24
9	TF	eP	04 08 36.8	Z	0.3	8.2 (0)	2.3	
		eS	04 09 07	R	0.4	54.8 (0)		
9	CP	eP	05 27 41.4	Z	0.3	9.1 (0)	1.1	
		eS	05 27 56	R	0.4	21.1 (0)		
9	05 50 04.1		07.3 S 130.3 E TANIMBAR ISLANDS REGION H =220 KM MAG 4.30- CGS					
9	07 59 52.9		51.2 N 179.8 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	WI	eP	08 07 51.6	Z	999.9	99.9 (9)	43.0	
9	MN	eP	08 08 01.3	Z	999.9	99.9 (9)	44.0	
9	FM	eP	08 08 17.8	Z	999.9	99.9 (9)	47.0	
9	CP	eP	08 08 38.6	Z	999.9	99.9 (9)	49.0	
9	LC	eP	08 09 25.9	Z	0.9	7.5 (0)	55.0	4.72
9	NG	eP	08 09 37.2	Z	999.9	99.9 (9)	57.0	
9	DH	eP	08 10 39.3	Z	999.9	99.9 (9)	57.0	
9	08 36 25.5		15.0 S 167.4 E NEW HEBRIDES ISLANDS H =127 KM MAG 4.50- CGS					
9	MN	eP	08 49 00.3	Z	999.9	99.9 (9)	87.0	
9	16 05 03.0		43.7 N 150.6 E KURILE ISLANDS REGION H =033 KM MAG 4.80- CGS					
9	WI	eP	16 15 36.9	Z	0.9	7.7 (0)	64.0	4.83
9	MN	eP	16 15 45.3	Z	0.9	6.8 (0)	66.0	4.78
9	FM	eP	16 16 05.8	Z	999.9	99.9 (9)	69.0	
9	CP	eP	16 16 14.8	Z	1.0	7.1 (0)	70.0	4.65
9	LC	eP	16 16 52.1	Z	999.9	99.9 (9)	77.0	
9	NG	eP	16 16 52.2	Z	0.8	25.8 (0)	77.0	5.31
						AVG.		4.89
9	16 55 00.*		35.9 S 177.9 E OFF NORTH IS., NEW ZEALAND H =172 KM MAG 4.80- CGS					
9	17 07 59.2		24.0 S 179.1 E SOUTH OF FIJI ISLANDS H =550 KM MAG 4.70- CGS					
9	CP	eP	17 19 31.3	Z	1.0	8.5 (0)	83.0	4.23
9	LC	eP	17 20 04.5	Z	0.9	4.7 (0)	90.0	4.42
						AVG.		4.32
9	20 40 20.*		44.5 N 027.9 W AZORES ISLANDS REGION H =033 KM					
9	WI	eP	20 50 41.1	Z	999.9	99.9 (9)	62.0	
9	23 01 18.5		21.7 S 176.9 W TONGA ISLANDS REGION H =066 KM MAG 4.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	LC	eP	23 13 53.5	Z	0.8	2.9 (0)	86.0	4.32
		epP	23 14 19	Z	1.1	9.1 (0)		
10	DH	eP	02 09 09.5	Z	999.9	99.9 (9)		
10	MN	eP	02 25 29.0	Z	999.9	99.9 (9)	2.8	
		eS	02 26 05	T	0.9	17.2 (1)		
10	DH	eP	03 12 38.5	Z	999.9	99.9 (9)		
10	05 02 34.*		07.8 N 083.4 W SOUTH OF PANAMA H =033 KM MAG 4.00- CGS					
10	MN	eP	05 10 42.4	Z	999.9	99.9 (9)	44.0	
10	05 10 40.*		54.1 N 166.5 W FOX-ALEUTIAN ISLANDS H =033 KM MAG 4.10- CGS					
10	WI	eP	05 17 29.0	Z	999.9	99.9 (9)	35.0	
10	LC	eP	05 19 10.6	Z	0.9	3.7 (0)	47.0	4.42
10	06 48 31.2		52.0 N 108.1 E LAKE BAIKAL REGION H =027 KM					
10	WI	eP	07 00 35.4	Z	1.2	5.1 (0)	79.0	4.38
10	MN	eP	07 00 46.5	Z	1.1	3.9 (0)	81.0	4.30
							AVG.	4.34
10	07 37 43.9		17.3 S 177.4 W FIJI ISLANDS REGION H =343 KM MAG 4.70- CGS					
10	11 22 59.4		14.1 S 167.1 E NEW HEBRIDES IS. REGION H =132 KM					
10	12 00 42.2		42.4 N 142.1 E NEAR COAST HOKKAIDO, JAPAN H =054 KM MAG 4.30- CGS					
10	15 05 25.3		53.5 N 033.4 W NORTH ATLANTIC OCEAN H =041 KM MAG 4.90- CGS					
10	DH	eP	15 11 29.0	Z	0.7	20.0 (0)	30.0	5.02

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	FM	eP	15 14 43.7	Z	0.7	5.4 (0)	53.0	4.63
10	LC	eP	15 14 54.6	Z	0.8	8.0 (0)	55.0	4.80
10	WI	eP	15 14 55.5	Z	0.7	13.3 (0)	55.0	5.08
10	MN	eP	15 15 11.2	Z	0.9	12.3 (0)	57.0	4.93
10	MV	eP	15 15 18.2	Z	999.9	99.9 (9)	59.0	
							AVG.	4.89
10	16 36 11.1		44.6 N 028.1 W AZBRES ISLANDS REGION H =033 KM					
10	LC	eP	16 46 21.2	Z	1.1	3.0 (0)	60.0	4.27
10	WI	eP	16 46 32.7	Z	1.5	13.1 (0)	62.0	4.87
							AVG.	4.57
10	21 35 48.7		44.6 N 147.8 E KURILE ISLANDS REGION H =067 KM MAG 5.00- CGS					
10	MV	eP	21 46 19.5	Z	999.9	99.9 (9)	64.0	
10	WI	eP	21 46 26.5	Z	0.6	6.5 (0)	65.0	4.84
10	MN	eP	21 46 35.1	Z	1.2	57.3 (0)	67.0	5.48
10	FM	eP	21 46 54.0	Z	0.7	12.6 (0)	70.0	4.95
10	NG	eP	21 47 37.9	Z	1.0	43.7 (0)	77.0	5.35
10	LC	eP	21 47 41.0	Z	1.0	17.2 (0)	78.0	4.94
							AVG.	5.11
10	23 21 01.0		04.1 N 126.3 E CELEBES SEA H =040 KM MAG 4.30- CGS					
11	MN	eP	00 45 16.0	Z	999.9	99.9 (9)	5.5	
		eS	00 45 24	R	999.9	99.9 (9)		
11	04 36 30.4		29.8 S 179.1 E KERMADEC ISLANDS REGION H =528 KM MAG 4.60- CGS					
11	07 16 14.2		19.7 S 177.7 W TONGA ISLANDS REGION H =543 KM MAG 4.70- CGS					
11	10 56 24.8		24.6 S 179.8 E KERMADEC ISLANDS REGION H =491 KM MAG 4.50- CGS					
11	12 22 26.*		15.7 S 174.7 W TONGA ISLANDS REGION H =033 KM MAG 4.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11			15 05 38.8 67.6 N 146.7 W ALASKA H =033 KM					
11	WI	eP	15 11 54.5	Z	1.0	99.9 (9)	31.0	
11	MN	eP	15 12 17.3	Z	999.9	99.9 (9)	33.0	
12			00 26 19.* 17.7 N 122.3 E NEAR W. COAST LUZON, P. I. H =033 KM MAG 4.50- CGS					
12			00 34 05.6 36.3 S 096.9 W SOUTHWEST OF EASTER ISLAND H =033 KM					
12	MN	eP	00 45 56.5	Z	0.8	99.9 (9)	77.0	
12	WI	eP	00 46 11.2	Z	0.8	5.9 (0)	80.0	4.53
12	TF	eP	03 45 05.6	Z	0.3	8.8 (0)	1.8	
		eS	03 45 30	T	0.4	18.8 (0)		
12			07 14 09.7 21.7 S 169.8 E LOYALTY ISLANDS REGION H =030 KM					
12	MN	eP	08 03 56.3	Z	1.0	99.9 (9)		
12	WI	eP	08 04 12.0	Z	1.0	5.6 (0)		
12			08 43 37.9 19.0 N 107.4 W REVILLA GIGEDO IS. REGION H =033 KM MAG 4.40- CGS					
12	SJ	eP	08 46 33.0	Z	1.0	36.3 (0)	12.0	5.42
		eL	08 50 25	LT	18	99.9 (9)		
12	CP	eP	08 47 22.9	Z	1.0	24.1 (0)	16.0	4.31
		eL	08 51 53	LZ	18	12.5 (2)		
12	TF	eP	08 48 04.4	Z	0.9	15.8 (0)	20.0	4.27
12	FM	eP	08 48 17.2	Z	999.9	99.9 (9)	21.0	
		eL	08 53 34	LR	30	81.2 (1)		
12	MN	eP	08 48 26.0	Z	1.0	99.9 (9)	22.0	
12	MV	eL	08 55 17	LZ	18	45.9 (1)	23.0	
12	WI	eP	08 48 51.0	Z	999.9	99.9 (9)	24.0	
12	NG	eL	08 59 55	LT	17	47.6 (1)	36.0	
							AVG.	4.67
12	MV	eP	08 51 10.0	Z	0.3	4.5 (0)	1.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	08 51 27	R	0.4	17.4 (0)		
12			15 09 46.0 51.5 N 177.9 W ANDREANOF-ALEUTIAN ISLANDS H =033 KM MAG 3.70- CGS					
12	WI	eP	15 17 34.4	Z	999.9	99.9 (9)	42.0	
12	MN	eP	15 17 44.8	Z	999.9	99.9 (9)	43.0	
12			17 43 59.2 06.7 S 147.1 E NEAR N. COAST NEW GUINEA H =120 KM MAG 4.80- CGS					
12	TF	eP	21 46 03.7	Z	999.9	99.9 (9)		
12	CP	eP	21 46 37.3	Z	0.3	99.9 (9)	2.9	
12	MV	eP	21 47 00.3	Z	0.3	2.8 (0)		
12	CP	eS	21 47 14	T	0.4	99.9 (9)	2.9	
12	MV	eL	21 48 10	R	0.4	5.2 (0)		
12			23 07 28.9 17.8 S 178.6 W FIJI ISLANDS H =583 KM MAG 5.50- CGS					
12	TF	eP	23 18 22.6	Z	1.0	70.2 (0)	77.0	5.04
		eP AS	23 19 04.7	Z	1.0	24.7 (0)		4.59
12	MV	eP	23 18 29.3	Z	0.9	45.6 (0)	78.0	4.90
		eP AS	23 19 11.7	Z	1.0	19.2 (0)		4.48
		epP	23 20 34	Z	1.2	17.2 (0)		
12	CP	eP	23 18 29.6	Z	0.8	36.1 (0)	78.0	4.85
		eP AS	23 19 11.9	Z	0.9	14.2 (0)		4.39
		epP	23 20 36	Z	1.2	17.4 (0)		
		eS	23 27 38	T	2.4	87.1 (0)		
12	MN	eP	23 18 37.5	Z	999.9	99.9 (9)	80.0	
		eP AS	23 19 20.0	Z	0.9	99.9 (9)		
		epP	23 20 44	Z	1.3	99.9 (9)		
		eS	23 27 55	T	2.3	99.9 (9)		
		eS	23 27 55	R	1.4	99.9 (9)		
12	WI	eP	23 18 48.9	Z	0.9	99.9 (9)	82.0	
		eP AS	23 19 31.3	Z	0.8	16.5 (0)		4.61
		epP	23 20 55	Z	1.2	20.6 (0)		
		ePP	23 22 05	Z	1.2	18.9 (0)		
12	FM	eP	23 19 00.5	Z	999.9	99.9 (9)	84.0	
		eP AS	23 19 42.1	Z	999.9	99.9 (9)		
		epP	23 21 07	Z	1.2	14.5 (0)		
		eS	23 28 31	LR	22	65.6 (1)		
		eS	23 28 31	LT	15	27.0 (1)		
12	SJ	eS	23 29 38	LR	13	14.6 (2)	90.0	
		eS	23 29 38	LT	13	12.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AS .	4.51
							AVG.	4.93
13		00 22 51.3	13.4 N 091.0 W	NEAR S. COAST GUATEMALA				
			H =116 KM MAG	5.00- CGS				
13	LC	eP	00 27 53.7	Z	0.7	32.6 (0)	24.0	4.90
13	CP	eP	00 28 52.6	Z	1.0	5.7 (0)	30.0	4.25
13	FM	eP	00 29 07.6	Z	0.9	23.4 (0)	32.0	4.89
		e	00 32 00	Z	0.7	3.0 (0)		
13	DH	eP	00 29 08.5	Z	0.8	12.0 (0)	32.0	4.66
13	NG	eP	00 29 09.1	Z	0.3	5.1 (0)	32.0	4.71
13	MN	eP	00 29 33.3	Z	1.0	22.7 (0)	35.0	5.00
		ePCP	00 32 07	Z	0.8	6.9 (0)		
		e	00 32 19	Z	0.9	7.1 (0)		
13	WI	eP	00 29 45.4	Z	0.8	56.5 (0)	36.0	5.50
		ePCP	00 32 11	Z	0.8	4.6 (0)		
		e	00 41 53	Z	0.7	1.6 (0)		
							AVG.	4.84
13		01 34 40.4	13.0 N 057.9 E	ARABIAN SEA				
			H =033 KM					
13	MN	eP'	01 53 45.6	Z	1.1	5.2 (0)	129.0	
13		03 06 38.1	27.6 N 055.1 E	SOUTHERN IRAN				
			H =033 KM MAG	3.90- CGS				
13		08 50 02.2	24.5 N 121.8 E	NORTHERN FORMOSA				
			H =033 KM MAG	7.25- PAS				
13	MV	eP	09 03 15.9	Z	1.0	12.6 (1)	93.0	6.26
		eP	09 03 17	LZ	999.9	99.9 (9)		
		e	09 06 24	Z	2.8	27.5 (1)		
		eSKS	09 13 46	R	2.3	14.6 (1)		
		eSKKS	09 14 09	R	5.0	17.1 (2)		
		eS	09 14 22	R	3.8	64.5 (1)		
		e	09 14 40	R	6.5	46.9 (2)		
		ePS	09 15 49	R	7.0	42.2 (2)		
		e	09 22 36	Z	0.8	5.7 (0)		
13	WI	eP	09 03 21.8	Z	2.3	12.8 (2)	95.0	6.94
		eP	09 03 23	LZ	999.9	99.9 (9)		
		eSKS	09 13 51	T	3.0	53.7 (1)		
		eS	09 14 34	R	4.1	18.0 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	09 14 34	T	3.9	10.7 (2)		
		e	09 14 56	R	5.0	31.6 (2)		
		eSP	09 15 45	Z	5.0	12.7 (2)		
		ePPS	09 16 36	R	6.0	24.0 (2)		
		ePKKP	09 20 20	Z	1.3	12.8 (0)		
		e	09 22 48	Z	1.0	5.5 (0)		
		e	09 24 51	Z	2.0	34.7 (0)		
		eP'P'	09 28 28	Z	2.0	34.7 (0)		
		eP'P'P'	09 49 32	Z	2.0	27.7 (0)		
13	MN	iP	09 03 27.5C	Z	2.6	14.0 (2)	96.0	7.03
		eP	09 03 28	LZ	18	99.9 (9)		
		ePP	09 07 08	LZ	22	99.9 (9)		
		ePP	09 07 14	Z	2.8	34.2 (1)		
		eSKS	09 13 25	LR	17	66.3 (2)		
		eSKS	09 14 01	R	3.1	66.1 (1)		
		eSKKS	09 14 23	R	4.8	27.5 (2)		
		eS	09 14 43	R	4.5	14.5 (2)		
		e	09 49 51	Z	2.5	52.6 (0)		
13	TF	iP	09 03 30.7C	Z	2.4	13.5 (2)	97.0	7.11
		eP	09 03 32	LZ	999.9	99.9 (9)		
		ePP	09 07 10	LZ	25	94.5 (2)		
		eSKS	09 14 06	R	2.1	16.2 (1)		
		eSKS	09 14 07	LT	999.9	99.9 (9)		
		eS	09 14 52	R	3.5	11.3 (2)		
		eSP	09 16 31	Z	6.0	36.7 (2)		
13	FM	iP	09 03 41.8C	Z	2.5	99.0 (1)	99.0	7.06
		eP	09 03 43	LZ	999.9	99.9 (9)		
		ePP	09 07 40	LZ	999.9	99.9 (9)		
		eSKS	09 14 19	T	2.5	28.7 (1)		
		eSKS	09 14 20	LT	999.9	99.9 (9)		
		eSKKS	09 14 42	T	999.9	99.9 (9)		
		eS	09 15 11	T	3.8	14.4 (2)		
13	CP	eP	09 03 48.2	Z	2.4	45.7 (1)	101.0	6.61
		eP	09 03 50	LZ	21	82.8 (2)		
		ePP	09 07 50	LZ	24	99.9 (9)		
		ePP	09 08 00	Z	2.5	17.9 (1)		
		eSKS	09 14 27	T	3.0	45.1 (1)		
		eSKS	09 14 28	LT	15	64.6 (2)		
		eSKKS	09 14 50	T	5.0	16.7 (2)		
		eS	09 15 18	R	5.0	12.9 (2)		
		eS	09 15 30	LR	27	13.7 (3)		
		ePS	09 16 50	T	4.6	58.0 (1)		
		ePS	09 16 57	LT	999.9	99.9 (9)		
		ePKKP	09 20 02	Z	1.3	5.5 (0)		
		eSS	09 22 05	LT	999.9	99.9 (9)		
		eSSS	09 26 17	LR	28	16.8 (3)		
		eL	09 30 27	LR	31	17.5 (3)		
13	NG	ePD	09 04 07	LZ	999.9	99.9 (9)	105.0	
		e	09 07 42	LZ	15	12.8 (2)		
		ePP	09 07 55	Z	2.5	23.8 (1)		
		eSKS	09 14 44	T	1.5	52.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKKS	09 15 07	T	5.5	30.5 (2)		
		ePKKP	09 19 51	Z	1.0	14.2 (0)		
13	LC	ePD	09 04 15.3	Z	2.6	10.7 (1)	107.0	
		ePD	09 04 20	LZ	23	37.8 (2)		
		e	09 07 34	Z	2.3	71.5 (0)		
		ePP	09 08 25	LZ	24	99.9 (9)		
		ePP	09 08 30	Z	999.9	99.9 (9)		
		eSKS	09 14 57	R	5.0	66.3 (1)		
		eSKS	09 14 58	LR	999.9	99.9 (9)		
		eSKKS	09 15 19	R	5.5	15.8 (2)		
		ePS	09 17 39	LR	999.9	99.9 (9)		
		eSP	09 18 02	Z	3.5	21.8 (1)		
		ePKKP	09 20 02	Z	1.2	18.1 (0)		
13	DH	ePD	09 04 38	LZ	25	35.6 (2)	112.0	
		ePP	09 09 00	LZ	23	12.4 (3)		
		e	09 11 21	LZ	23	63.1 (2)		
		e	09 13 22	LZ	21	51.7 (2)		
		eSKS	09 15 30	LT	24	80.8 (2)		
		e	09 16 37	LR	34	92.5 (2)		
		ePS	09 18 53	LT	28	98.3 (2)		
13	SJ	ePD	09 04 53	LZ	21	39.5 (2)	115.0	
		e	09 08 10	LZ	20	13.5 (2)		
		eP*	09 08 43.5	Z	999.9	99.9 (9)		
		ePP	09 09 40	LZ	999.9	99.9 (9)		
		ePP	09 09 50	Z	2.0	24.1 (1)		
							AVG.	6.84

13	09 30 34.6	24.8 N 121.7 E	NORTHERN FORMOSA	
		H =033 KM MAG	5.40- CGS	

13	MV	eP	09 43 50.0	Z	1.1	12.0 (0)	93.0	5.20
13	WI	eP	09 43 52.5	Z	1.6	30.6 (0)	94.0	5.41
13	MN	eP	09 43 58.0	Z	1.4	12.0 (0)	96.0	5.23
							AVG.	5.28

13	14 14 35.*	23.9 S 175.8 W	TONGA ISLANDS
		H =100 KM MAG	4.70- CGS

13	18 13 55.1	09.9 S 160.8 E	SOLOMON ISLANDS	
		H =029 KM MAG	6.50- PAS	

13	MV	eP	18 26 40.0	Z	2.4	88.0 (1)	87.0	6.50
		eSKS	18 37 05	LR	17	18.0 (2)		
		eSS	18 42 50	LT	23	25.4 (2)		
		eSSS	18 46 31	LR	21	19.5 (2)		
		eL	18 50 12	LR	35	38.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	18 53 00	LZ	999.9	99.9 (9)		
13	TF	eP	18 26 40.2	Z	2.2	81.9 (1)	87.0	6.51
		eSKS	18 36 52	LR	24	71.8 (2)		
		eSS	18 42 40	LR	24	54.2 (2)		
		eL	18 50 48	LT	30	51.2 (2)		
		eLR	18 52 50	LZ	999.9	99.9 (9)		
13	MN	eP	18 26 50.5	Z	1.9	61.8 (1)	89.0	6.48
		e	18 27 20	Z	1.9	66.5 (1)		
		ePP	18 30 16	Z	2.3	27.5 (1)		
		eSKS	18 37 22	T	3.5	16.4 (1)		
		eSKS	18 37 23	LT	16	27.9 (2)		
		ePS	18 38 49	LR	24	51.6 (2)		
		ePS	18 38 56	T	999.9	99.9 (9)		
		eSS	18 43 53	LT	21	99.9 (9)		
		e	18 45 12	Z	2.3	53.6 (0)		
		eSSS	18 47 16	LT	23	99.9 (9)		
		e	18 50 42	LT	26	50.7 (2)		
		eLR	18 54 16	LZ	35	99.9 (9)		
13	CP	eP	18 26 50.7	Z	2.2	78.7 (1)	89.0	6.52
		ePP	18 30 22	Z	2.4	18.2 (1)		
		eSS	18 43 20	LR	23	62.5 (2)		
		e	18 47 10	LZ	27	48.2 (2)		
		e	18 50 51	LZ	23	37.1 (2)		
		eLR	18 54 20	LZ	35	99.9 (9)		
13	WI	eP	18 26 55.4	Z	1.6	43.2 (1)	90.0	6.40
		eP	18 26 57	LZ	16	99.9 (9)		
		e	18 27 23	Z	1.8	47.0 (1)		
		ePP	18 30 27	LZ	18	12.9 (2)		
		ePP	18 30 30	Z	2.3	22.2 (1)		
		e	18 37 28	Z	999.9	99.9 (9)		
		eSKS	18 37 30	LT	18	99.9 (9)		
		eSS	18 44 14	LT	999.9	99.9 (9)		
		eSSS	18 47 13	LT	999.9	99.9 (9)		
		eL	18 50 20	LR	24	32.3 (2)		
		eLR	18 54 36	LZ	999.9	99.9 (9)		
13	FM	iP	18 27 12.6C	Z	2.8	41.3 (1)	94.0	6.29
		e	18 27 42	Z	2.6	41.7 (1)		
		ePP	18 30 56	LZ	19	10.3 (2)		
		eSKS	18 37 49	LR	19	99.9 (9)		
		e	18 43 05	LR	25	21.8 (2)		
		eSS	18 45 10	LR	24	99.9 (9)		
		eSSS	18 47 36	LR	26	99.9 (9)		
		eL	18 51 50	LT	29	44.7 (2)		
		eLR	18 56 05	LZ	34	99.9 (9)		
13	LC	eP	18 27 30.5	Z	1.5	10.0 (0)	97.0	5.19
		e	18 30 32	Z	1.5	15.4 (0)		
		ePP	18 31 20	Z	2.3	95.4 (0)		
		eSKS	18 38 20	LR	23	24.2 (2)		
		ePS	18 40 30	LR	999.9	99.9 (9)		
		eSS	18 45 45	LR	999.9	99.9 (9)		
		eSSS	18 49 43	LR	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	18 52 02	LR	25	30.4 (2)		
		e	18 54 08	LR	28	38.4 (2)		
		eLR	18 58 10	LZ	999.9	99.9 (9)		
13	SJ	ePP	18 32 12	Z	2.1	41.4 (1)	104.0	
13	NG	ePP	18 33 08	Z	1.9	18.5 (1)	112.0	
		eSKS	18 39 10	LR	20	10.8 (2)		
		ePS	18 42 40	LR	999.9	99.9 (9)		
		ePKKP	18 43 30	Z	1.0	9.5 (0)		
		eSS	18 48 43	LR	999.9	99.9 (9)		
		eSSS	18 52 53	LT	24	20.2 (2)		
		e	18 56 30	LR	24	30.3 (2)		
		eL	19 01 06	LT	43	52.0 (2)		
		eLR	19 05 00	LZ	999.9	99.9 (9)		
13	DH	ePP	18 34 15	LZ	17	14.5 (2)	122.0	
		eSKS	18 39 52	LR	15	13.8 (2)		
		eSKKS	18 41 23	LR	14	12.7 (2)		
		ePS	18 44 04	LR	23	31.5 (2)		
		eSS	18 51 30	LR	34	98.3 (2)		
		eL	19 05 05	LT	46	83.4 (2)		
		eLR	19 12 40	LZ	27	48.8 (2)		
							AVG.	6.27

13 19 02 06.7 24.6 N 122.1 E NORTHERN FORMOSA
H =033 KM MAG 5.00- CGS

13 19 55 36.0 11.6 N 057.7 E SOCOTRA REGION
H =033 KM

13	LC	eP	22 07 36.3	Z	999.9	99.9 (9)	1.5	
		eS	22 07 56	T	0.3	32.7 (0)		

13 23 46 27.6 19.6 N 143.7 E MARIANA ISLANDS
H =156 KM MAG 3.90- CGS

14 06 48 30.3 10.1 S 160.3 E SOLOMON ISLANDS
H =064 KM MAG 5.10- CGS

14	MN	eP	07 01 23.0	Z	1.2	6.4 (0)	90.0	4.66
		eSKS	07 11 57	LT	13	45.6 (1)		
		e	07 18 45	LT	22	47.4 (1)		
14	WI	eP	07 01 28.8	Z	1.0	4.5 (0)	91.0	4.69
		eSKS	07 12 04	LT	18	41.8 (1)		
		eL	07 33 15	LT	28	36.0 (2)		
14	MV	eSKS	07 11 40	LR	22	36.3 (1)	87.0	
14	FM	eSKKS	07 12 27	LR	13	39.3 (1)	94.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePS	07 14 20	LR	22	42.8 (1)		
		e	07 19 40	LR	25	37.7 (1)		
14	SJ	eSKS	07 13 17	LR	17	58.3 (1)	105.0	
14	NG	ePS	07 17 15	LR	12	32.9 (1)	112.0	
		ePPS	07 18 25	LR	17	29.4 (1)		
							AVG.	4.67

14 07 04 40.8 07.2 S 128.2 E BANDA SEA
H =197 KM MAG 6.25- PAS

14	TF	ePD	07 19 03.0	Z	999.9	99.9 (9)	112.0	
		eP'	07 22 57	Z	1.0	20.4 (0)		
		e	07 23 06	Z	0.8	26.6 (0)		
		eSKS	07 29 31	R	1.8	12.6 (1)		
		ePKKP	07 34 00	Z	1.0	12.2 (0)		
		eSKKP	07 37 54	R	1.6	39.1 (0)		
14	WI	ePD	07 19 06.4	Z	1.1	4.1 (0)	113.0	
		eP'	07 22 59	Z	1.0	22.5 (0)		
		e	07 23 07	Z	1.0	47.4 (0)		
		ePP	07 23 52	LZ	11	66.2 (1)		
		e	07 25 38	Z	1.0	14.6 (0)		
		eSKS	07 29 29	R	2.0	43.1 (0)		
		eSKS	07 29 36	LT	20	94.4 (1)		
		eSKKS	07 30 40	LT	25	10.7 (2)		
		e	07 32 23	LR	25	18.7 (2)		
		ePKKP	07 33 43	Z	0.7	3.9 (0)		
		e	07 33 52	Z	1.1	44.5 (0)		
		e	07 34 00	Z	1.2	52.0 (0)		
		eSKKP	07 36 41	Z	1.5	19.9 (0)		
		e	07 37 51	Z	1.4	42.9 (0)		
		e	07 41 24	Z	1.6	11.6 (0)		
14	MN	ePD	07 19 11.7	Z	1.2	14.2 (0)	113.0	
		eP'	07 22 59	Z	1.2	31.1 (0)		
		e	07 23 08	Z	1.0	38.7 (0)		
		eSKS	07 29 30	T	1.5	9.6 (0)		
		eSKS	07 29 35	LR	17	10.7 (2)		
		e	07 30 50	LR	25	12.9 (2)		
		e	07 33 07	LZ	30	46.6 (2)		
		ePKKP	07 33 47	Z	1.0	6.7 (0)		
		e	07 35 30	LR	20	32.1 (2)		
		e	07 37 54	Z	1.5	39.6 (0)		
		esSS	07 40 27	LT	25	43.3 (2)		
		eSSS	07 44 00	LT	30	60.2 (2)		
		e	07 51 30	LT	20	44.8 (2)		
14	CP	ePD	07 19 16.0	Z	1.0	8.5 (0)	115.0	
		eP'	07 23 04	Z	1.1	43.8 (0)		
		e	07 23 12	Z	1.0	52.5 (0)		
		ePP	07 23 57	Z	1.4	57.4 (0)		
		e	07 26 26	Z	1.3	46.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		eSKS	07 29 47	T	2.0	10.9	(1)		
		ePKKP	07 33 42	Z	1.4	47.3	(0)		
		eSS	07 40 20	LT	23	31.3	(2)		
		e	07 42 35	LR	42	88.9	(2)		
		eL	07 57 02	LZ	34	48.2	(2)		
14	LC	ePD	07 20 07.1	Z	0.9	2.0	(0)	123.0	
		eP'	07 23 19	Z	1.1	85.5	(0)		
		e	07 23 28	Z	1.1	13.3	(1)		
		ePP	07 25 04	LZ	21	39.1	(1)		
		eSKP	07 26 25	Z	1.5	47.0	(0)		
		ePKS	07 26 40	LR	25	82.9	(1)		
		e	07 29 08	Z	1.2	12.3	(0)		
		eSKS	07 30 16	R	1.9	69.4	(0)		
		eSKS	07 30 17	LR	18	81.0	(1)		
		eSKKS	07 31 45	LR	22	12.5	(2)		
		ePKKP	07 33 09	Z	0.8	17.3	(0)		
		e	07 33 16	Z	0.9	44.1	(0)		
		e	07 33 55	LT	26	16.2	(2)		
		e	07 34 04	Z	0.9	7.1	(0)		
		e	07 34 30	LR	25	19.3	(2)		
		eSKKP	07 36 24	Z	1.1	13.1	(0)		
		e	07 37 00	Z	1.1	39.5	(0)		
		esSS	07 42 40	LT	25	51.7	(2)		
		eSSS	07 46 25	LR	22	99.9	(9)		
14	NG	eP'	07 23 30.2	Z	1.2	89.6	(0)	130.0	
		eP'	07 23 32	LZ	12	48.5	(1)		
		e	07 23 39	Z	1.0	10.6	(1)		
		eSKP	07 26 39	Z	1.0	77.6	(0)		
		eSKP	07 26 45	Z	0.8	77.5	(0)		
		ePKS	07 26 55	LT	11	22.7	(2)		
		ePKS	07 26 56	T	1.5	37.7	(1)		
		ePKS	07 27 04	T	1.4	36.8	(1)		
		eSKS	07 30 31	Z	1.7	10.1	(1)		
		eSKKS	07 32 25	LT	999.9	99.9	(9)		
		eSKKP	07 35 40	LZ	20	12.8	(2)		
		eSKKP	07 36 24	Z	1.4	46.2	(0)		
14	SJ	eP'	07 23 36.3	Z	1.3	12.5	(1)	132.0	
		eP'	07 23 37	LZ	11	16.8	(2)		
		e	07 23 45	Z	1.5	36.0	(1)		
		ePP	07 25 57	LZ	11	31.4	(2)		
		eSKP	07 26 43	Z	1.5	48.0	(1)		
		eSKP	07 26 45	LZ	12	38.2	(2)		
		ePKS	07 27 04	R	1.7	14.7	(2)		
		ePKS	07 27 05	LR	22	31.7	(2)		
		e	07 28 09	Z	1.5	33.6	(1)		
14	DH	eP'	07 23 41.7	Z	1.0	40.8	(0)	140.0	
		eP'	07 23 47	LZ	11	18.5	(2)		
		e	07 23 49	Z	999.9	99.9	(9)		
		ePP	07 26 54	Z	1.2	94.3	(0)		
		eSKP	07 27 08	LZ	999.9	99.9	(9)		
		eSKP	07 27 15	Z	999.9	99.9	(9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		e	07 27 38	LT	999.9	99.9	(9)		
		eSKKP	07 35 52	Z	1.4	12.1	(1)		
		eSKSP	07 36 42	LZ	999.9	99.9	(9)		
		e	07 40 03	LZ	999.9	99.9	(9)		
14	FM	ePP	07 24 15	LZ	11	30.5	(1)	117.0	
		epPPP	07 28 03	LR	18	45.6	(1)		
		eSKKS	07 30 20	LZ	15	50.4	(1)		
		e	07 31 20	LT	18	82.7	(1)		
		eSP	07 33 47	LZ	20	20.6	(2)		
		eSS	07 40 30	LT	20	23.4	(2)		
		esSS	07 41 32	LT	30	55.7	(2)		
14	MV	eSKS	07 29 20	R	1.8	20.4	(1)	110.0	
		eSKS	07 29 28	LR	18	14.1	(2)		
		ePS	07 32 42	LZ	999.9	99.9	(9)		
		eSS	07 39 07	LR	26	38.1	(2)		
		eSSS	07 43 57	LT	25	42.8	(2)		
		eL	07 50 26	LT	38	15.7	(3)		
14	WI	eP	07 13 26.1	Z	0.9	3.4	(0)		
14	MN	eP	07 13 40.0	Z	1.0	3.3	(0)		
14	NG	eP	07 14 30.0	Z	0.8	5.7	(0)		
14	LC	eP	07 15 02.5	Z	1.0	2.6	(0)		

14 08 31 59.5 06.2 N 082.5 W SOUTH OF PANAMA
H =033 KM MAG 4.20- CGS

14	SJ	eP	08 37 33.0	Z	0.7	12.1	(0)	26.0	4.60
		eLR	08 43 37	LZ	15	19.8	(2)		
14	LC	eP	08 38 46.2	Z	1.1	24.6	(0)	34.0	5.01
14	MN	eP	08 40 18.5	Z	1.0	6.7	(0)	45.0	4.46
		ePS	08 47 10	LR	20	14.2	(2)		
		eSSS	08 51 22	LR	27	13.9	(2)		
		eL	08 56 55	LZ	21	15.2	(2)		
14	WI	eP	08 40 30.0	Z	0.8	2.6	(0)	47.0	4.32
14	NG	eL	08 51 50	LZ	18	10.1	(2)	40.0	
		eL	08 53 25	LR	23	17.9	(2)		
		eL	08 53 25	LT	25	87.5	(1)		
14	FM	eL	08 55 25	LT	27	16.8	(2)	42.0	
		eL	08 57 50	LT	18	19.7	(2)		
		eL	08 57 50	LZ	18	16.7	(2)		
								AVG.	4.60

14 08 50 36.5 11.0 N 061.3 W NEAR N. COAST OF TRINIDAD
H =033 KM MAG 4.00- CGS

14	LC	eP	08 59 02.0	Z	1.0	2.6	(0)	47.0	4.22

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	WI	eP	09 00 23.0	Z	0.7	2.2 (0)	58.0	4.30
14	NG	ePPP	09 00 35	LZ	18	12.8 (2)	42.0	
		eLR	09 09 44	LZ	21	11.0 (2)		
		eL	09 13 20	LZ	20	18.3 (2)		
		eL	09 13 20	LR	20	11.3 (2)		
		eL	09 13 20	LT	20	16.3 (2)		
14	MN	eLR	09 16 25	LZ	23	14.4 (2)	57.0	
		eL	09 16 47	LZ	23	14.4 (2)		
		eL	09 16 47	LR	22	91.8 (1)		
		eL	09 16 47	LT	18	59.2 (1)		
							AVG.	4.26

14 12 09 11.4 00.9 N 030.0 W MID-ATLANTIC OCEAN
H =033 KM MAG 4.60- CGS

14	DH	eP	12 19 02.7	Z	1.0	30.6 (0)	58.0	5.28
		ePS	12 27 06	LR	27	81.5 (2)		
		eLQ	12 33 10	LT	35	87.0 (3)		
		eLR	12 35 27	LZ	32	58.7 (2)		
14	NG	eP	12 20 10.5	Z	1.0	19.4 (0)	68.0	5.15
		eP	12 20 12	LZ	12	32.9 (1)		
		eS	12 29 08	LR	18	30.2 (2)		
		eS	12 29 08	LT	18	15.7 (2)		
		eSS	12 33 15	LR	20	17.0 (2)		
14	SJ	eP	12 20 25.5	Z	1.0	49.0 (0)	70.0	5.49
		eP	12 20 27	LZ	12	29.9 (1)		
14	LC	eP	12 21 10.5	Z	1.0	22.6 (0)	78.0	5.15
		eS	12 31 11	LT	22	11.2 (2)		
		ePS	12 31 46	LR	23	25.1 (2)		
		eSS	12 36 10	LR	21	27.9 (2)		
		eL	12 42 08	LT	999.9	99.9 (9)		
14	CP	eP	12 21 53.5	Z	0.9	17.4 (0)	86.0	5.12
14	WI	eP	12 21 58.2	Z	1.0	12.4 (0)	87.0	5.02
		eS	12 32 34	LT	20	18.1 (2)		
		eSS	12 38 18	LT	22	42.4 (2)		
		eSSS	12 42 05	LT	22	17.2 (2)		
		eL	12 45 20	LR	27	32.4 (2)		
14	MN	eP	12 22 00.7	Z	1.1	8.3 (0)	88.0	4.88
		e	12 22 07	Z	1.2	38.9 (0)		
		eS	12 32 38	LT	18	11.5 (2)		
		eS	12 32 38	LR	20	67.8 (1)		
		ePS	12 33 50	LT	23	14.8 (2)		
		eSS	12 38 55	LT	27	19.2 (2)		
		eL	12 48 05	LT	28	44.9 (2)		
		eL	12 50 20	LR	22	28.6 (2)		
		eL	12 50 20	LT	25	39.6 (2)		
14	TF	eP	12 22 10.3	Z	1.0	24.5 (0)	89.0	5.35
		e	12 33 07	LR	20	11.4 (2)		
		ePS	12 34 09	LR	23	16.6 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	12 39 07	LR	33	22.6 (2)		
		eSSS	12 42 52	LR	21	10.2 (2)		
		eL	12 48 12	LT	30	37.5 (2)		
14	FM	eS	12 32 07	LR	22	12.8 (2)	83.0	
		eS	12 32 07	LT	22	90.0 (1)		
		ePS	12 32 52	LR	18	13.7 (2)		
		eSS	12 37 35	LT	25	33.1 (2)		
14	MV	eS	12 33 15	LT	18	91.4 (1)	90.0	
		ePS	12 34 15	LR	23	18.5 (2)		
		eSS	12 39 15	LR	29	20.1 (2)		
		eL	12 49 16	LT	35	50.8 (2)		
							AVG.	5.18

14 12 43 23.5 17.7 S 168.0 E NEW HEBRIDES ISLANDS
H =033 KM

14	MN	eP	12 56 13.3	Z	1.0	1.6 (0)	89.0	4.19

14 12 48 02.* 40.4 N 019.9 E NEAR COAST OF ALBANIA
H =033 KM MAG 4.40- CGS

14 13 18 56.4 44.5 N 015.5 E NEAR COAST OF YUGOSLAVIA
H =036 KM MAG 5.40- CGS

14	WI	eP	13 31 29.2	Z	0.8	4.0 (0)	85.0	4.59

14 13 40 07.* 11.9 S 166.0 E SANTA CRUZ ISLANDS
H =153 KM MAG 4.10- CGS

14 14 09 29.8 45.2 N 148.6 E KURILE ISLANDS
H =097 KM MAG 5.10- CGS

14	WI	eP	14 19 58.0	Z	0.9	3.4 (0)	65.0	4.29
		ePP	14 21 57.8	Z	0.9	8.6 (0)		
14	MN	eP	14 20 04.5	Z	1.0	4.2 (0)	66.0	4.33
		epP	14 20 24	Z	1.0	5.0 (0)		
							AVG.	4.31

14 14 38 31.5 17.9 S 167.6 E NEW HEBRIDES IS. REGION
H =040 KM

14 15 29 58.2 09.8 S 160.6 E SOLOMON ISLANDS
H =025 KM MAG 5.00- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	MN	eP	15 42 54.2	Z	1.1	4.1 (0)	89.0	4.55
		e	15 43 02	Z	1.1	6.2 (0)		
14	WI	eP	15 43 00.0	Z	0.8	2.6 (0)	90.0	4.49
							AVG.	4.52
14	MN	eP	17 56 32.5	Z	0.8	0.9 (0)		
14	21 51 12.7		22.1 S 170.3 E NEW HEBRIDES IS. REGION H =033 KM MAG 4.50M CGS					
14	FM	eSP	22 17 10	LZ	12	24.5 (1)	95.0	
		eSS	22 22 30	LR	22	42.8 (1)		
		eSSS	22 25 40	LR	22	42.8 (1)		
		e	22 32 25	LR	17	49.9 (1)		
		eLR	22 35 07	LZ	15	11.5 (2)		
		eL	22 40 45	LZ	20	97.3 (1)		
		eL	22 40 45	LR	20	12.8 (2)		
		eL	22 40 45	LT	22	80.5 (1)		
14	TF	eLR	22 30 56	LZ	25	10.6 (2)	87.0	
14	MN	eLR	22 35 27	LZ	20	12.1 (2)	90.0	
		eL	22 43 25	LZ	18	11.2 (2)		
		eL	22 43 25	LT	17	16.4 (2)		
		eL	22 43 25	LR	17	14.6 (2)		
14	NG	eLR	22 51 27	LZ	22	63.7 (1)	113.0	
		eL	22 58 38	LR	18	10.1 (2)		
14	21 59 34.3		22.0 S 170.1 E LOYALTY ISLANDS REGION H =047 KM					
14	22 07 54.3		05.0 S 144.6 E EASTERN NEW GUINEA H =080 KM MAG 6.50- PAS					
14	TF	eP	22 21 15.0	Z	1.3	15.7 (0)	97.0	5.40
		ePP	22 25 12	Z	2.1	87.8 (0)		
		eLR	22 52 10	LZ	31	99.9 (9)		
14	MN	eP	22 21 26.8	Z	0.7	2.0 (0)	99.0	4.89
		e	22 21 40	LZ	15	34.8 (1)		
		ePP	22 25 12	Z	999.9	99.9 (9)		
		eSKS	22 32 02	LR	17	92.9 (1)		
		ePKKP	22 38 23	Z	1.5	17.3 (0)		
		eL	22 52 57	LZ	27	99.9 (9)		
14	WI	eP	22 21 29.0	Z	1.5	13.2 (0)	99.0	5.36
		e	22 21 47	Z	1.5	26.5 (0)		
		ePP	22 25 45	Z	1.6	23.3 (0)		
		eSKS	22 32 02	T	4.0	32.0 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP'P'	22 46 09	Z	2.0	21.1 (0)		
		eLR	22 53 05	LZ	999.9	99.9 (9)		
14	CP	eP	22 21 34.0	Z	1.7	35.5 (0)	100.0	5.71
		ePP	22 25 40	Z	1.6	34.2 (0)		
		eLR	22 53 56	LZ	999.9	99.9 (9)		
14	LC	ePP	22 26 32	Z	1.5	11.7 (0)	109.0	
		ePKKP	22 37 41	Z	1.0	32.0 (0)		
		eL	22 57 05	LR	33	48.1 (2)		
14	NG	ePP	22 27 52	LZ	13	53.0 (1)	119.0	
		eSKS	22 33 22	LT	14	34.3 (1)		
		eSKKS	22 34 45	LT	14	36.1 (1)		
		ePS	22 37 42	LT	17	88.2 (1)		
		e	22 38 42	LT	18	94.3 (1)		
		eSS	22 44 05	LT	18	11.9 (2)		
		eLQ	23 04 00	LT	30	18.3 (2)		
14	DH	eSKP	22 30 10	Z	999.9	99.9 (9)	129.0	
		eSS	22 46 17	LR	17	15.2 (2)		
		eLR	23 09 00	LZ	35	48.3 (2)		
		eL	23 15 20	LZ	22	67.4 (2)		
		eL	23 15 20	LR	24	49.4 (2)		
		eL	23 15 20	LT	23	31.1 (3)		
14	MV	eSKS	22 31 47	R	3.2	20.6 (1)	96.0	
		eLR	22 51 41	LZ	999.9	99.9 (9)		
14	FM	eL	22 50 40	LZ	32	99.9 (9)	103.0	
							AVG.	5.34
14	22 41 51.1		03.1 S 134.3 E WESTERN NEW GUINEA H =049 KM MAG 4.60- CGS					
14	SJ	eLR	23 01 40	LZ	999.9	99.9 (9)	116.0	
14	WI	eP	23 31 29.2	Z	0.7	3.3 (0)		
15	00 07 11.0		22.2 S 170.3 E NEW HEBRIDES IS. REGION H =033 KM					
15	00 48 51.9		33.2 S 179.2 W KERMADEC ISLANDS H =042 KM MAG 5.30- CGS					
15	03 08 31.*		21.7 S 169.4 E LOYALTY ISLANDS REGION H =035 KM					
15	05 39 57.2		22.0 S 170.5 E NEW HEBRIDES ISLANDS H =033 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	MN	eP	05 53 00.0	Z	999.9	99.9 (9)	90.0	
15	06 54 51.8		14.9 S 178.7 W FIJI ISLANDS REGION					
			H =033 KM MAG 5.00- CGS					
15	TF	eP	07 06 31.3	Z	1.0	16.8 (0)	75.0	4.95
		eLR	07 29 13	LZ	22	10.8 (2)		
15	MV	eP	07 06 37.3	Z	999.9	99.9 (9)	76.0	
		eSP	07 17 19	LZ	25	35.0 (1)		
		eLR	07 29 50	LZ	22	86.3 (1)		
15	MN	eP	07 06 47.2	Z	999.9	99.9 (9)	78.0	
		ePS	07 17 40	LT	31	44.4 (1)		
		eL	07 30 40	LZ	32	11.9 (2)		
15	WI	eP	07 06 57.4	Z	1.2	15.6 (0)	80.0	4.78
		eLR	07 31 38	LZ	27	10.6 (2)		
		eL	07 33 28	LZ	23	88.5 (1)		
		eL	07 33 28	LR	23	37.1 (1)		
		eL	07 33 28	LT	24	84.7 (1)		
15	LC	eP	07 07 17.8	Z	999.9	99.9 (9)	83.0	
		e	07 09 08	Z	0.8	4.7 (0)		
		eLR	07 33 30	LZ	24	94.6 (1)		
		eL	07 36 40	LZ	21	88.5 (1)		
		eL	07 36 40	LR	21	48.4 (1)		
		eL	07 36 40	LT	21	50.5 (1)		
15	CP	eLR	07 29 55	LZ	27	91.6 (1)	76.0	
15	FM	eLR	07 32 69	LZ	24	48.0 (1)	82.0	
15	SJ	eL	07 36 45	LT	22	11.9 (2)	89.0	
		eL	07 39 13	LZ	23	58.1 (1)		
		eL	07 39 13	LR	24	15.2 (2)		
		eL	07 39 13	LT	22	15.2 (2)		
15	NG	eLR	07 43 00	LZ	30	55.6 (1)	101.0	
							AVG.	4.87
15	07 14 51.6		23.5 S 180.0 FIJI ISLANDS REGION					
			H =519 KM MAG 4.60- CGS					
15	MN	eP	07 26 30.7	Z	1.0	2.5 (0)	85.0	3.80
15	WI	eP	07 26 41.0	Z	0.9	3.4 (0)	87.0	4.08
15	LC	eP	07 26 54.0	Z	0.8	3.9 (0)	89.0	4.29
							AVG.	4.06
15	07 14 51.9		23.5 S 180.0 FIJI ISLANDS REGION					
			H =523 KM MAG 4.60- CGS					
15	MN	eP	09 35 16.2	Z	0.9	2.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	WI	eP	09 35 28.1	Z	999.9	99.9 (9)		
15	LC	eP	09 35 37.3	Z	999.9	99.9 (9)		
15	10 18 26.3		40.6 N 020.3 E ALBANIA					
			H =033 KM MAG 4.60- CGS					
15	WI	eP	10 31 24.0	Z	1.2	10.4 (0)	90.0	4.90
15	LC	eP	10 31 35.5	Z	1.2	8.2 (0)	92.0	4.93
15	MN	eL	11 02 13	LZ	25	30.5 (1)	93.0	
							AVG.	4.92
15	10 55 11.7		06.1 S 151.2 E NEW BRITAIN REGION					
			H =053 KM MAG 4.80- CGS					
15	MN	eP	11 08 26.6	Z	999.9	99.9 (9)	94.0	
15	CP	eP	14 29 01.4	Z	0.3	5.1 (0)	2.8	
		eS	14 29 37	T	0.4	16.7 (0)		
15	MN	eP	15 25 40.3	Z	0.3	4.8 (0)	1.1	
		eS	15 25 55	R	0.4	5.8 (0)		
15	16 29 19.0		04.3 N 096.3 E SUMATRA					
			H =033 KM MAG 5.70- CGS					
15	WI	eP'	16 48 19.5	Z	999.9	99.9 (9)	125.0	
15	MN	eP'	16 48 23.0	Z	999.9	99.9 (9)	127.0	
15	SJ	eP'1	16 48 57.8	Z	0.8	10.3 (1)	145.0	
15	MN	eP	16 32 06.0	Z	999.9	99.9 (9)	2.7	
		eS	16 32 40	R	0.5	3.0 (0)		
15	MN	eP	18 22 32.3	Z	0.8	4.4 (0)		
15	18 30 36.0		15.4 S 174.3 W SAMOA ISLANDS REGION					
			H =140 KM MAG 5.00- CGS					
15	MN	eP	18 42 02.4	Z	999.9	99.9 (9)	75.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	MN	eP	18 38 10.7	Z	999.9	99.9 (9)		
15	LC	eP	19 44 37.7	Z	0.3	18.0 (0)	1.5	
		eS	19 44 56	R	0.4	10.3 (0)		
15	NG	eP	21 18 06.7	Z	0.3	15.9 (0)	0.1	
		eS	21 18 09	R	999.9	99.9 (9)		
15	LC	eP	22 16 30.9	Z	0.3	7.1 (0)	0.6	
		eS	22 16 40	R	0.4	22.4 (0)		
15	WI	eP	22 16 41.2	Z	0.3	12.0 (0)	0.6	
		eS	22 16 50	T	0.4	99.9 (9)		
16	03 01 40.5		46.2 N 111.0 W S. W. MONTANA H =033 KM MAG 4.50- CGS					
16	WI	eP	03 03 18.0	Z	999.9	99.9 (9)	7.0	
		e	03 03 37	Z	0.5	16.2 (0)		
		eS	03 04 59	R	999.9	99.9 (9)		
16	MN	eP	03 03 57.1	Z	999.9	99.9 (9)	9.0	
		eL	03 06 33	R	999.9	99.9 (9)		
16	LC	eP	03 05 13.0	Z	1.0	5.3 (0)	14.0	4.12
16	NG	eP	03 05 28.5	Z	999.9	99.9 (9)	16.0	
		eL	03 09 47	T	999.9	99.9 (9)		
16	05 44 27.5		05.7 N 126.5 E S. OF MINDANAO, P. I. H =133 KM MAG 4.30- CGS					
16	06 21 13.2		36.7 N 038.0 E COAST OF TURKEY H =101 KM MAG 4.10- CGS					
16	08 04 13.4		15.1 N 046.5 W NORTH ATLANTIC OCEAN H =033 KM MAG 4.50- CGS					
16	08 31 17.5		17.7 S 178.6 W FIJI ISLANDS REGION H =534 KM MAG 4.50- CGS					
16	TF	eP	08 42 15.0	Z	999.9	99.9 (9)	77.0	
16	MN	eP	08 42 30.0	Z	1.0	14.3 (0)	80.0	4.35
16	WI	eP	08 42 41.0	Z	999.9	99.9 (9)	82.0	
16	LC	eP	08 42 58.6	Z	1.1	11.5 (0)	85.0	4.42
							AVG.	4.38

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	08 31 51.1		09.7 N 122.5 E NEGROS, PHILIPPINE ISLANDS H =028 KM					
16	MV	eLR	09 20 02	LZ	27	26.4 (1)	103.0	
16	TF	eLR	09 21 15	LZ	32	65.7 (1)	106.0	
16	WI	eLR	09 21 47	LZ	35	36.2 (1)	105.0	
16	MN	eLR	09 22 07	LZ	30	45.2 (1)	106.0	
16	FM	eLR	09 24 15	LZ	25	22.0 (1)	110.0	
16	10 46 22.0		07.0 S 117.3 E FLORES SEA H =561 KM MAG 4.60- CGS					
16	WI	eP'	11 04 12.0	Z	0.6	11.8 (0)	121.0	
16	TF	eP'	11 04 12.0	Z	999.9	99.9 (9)	121.0	
16	MN	eP'	11 04 12.8	Z	0.6	7.7 (0)	121.0	
		epP'	11 06 30	Z	999.9	99.9 (9)		
		ePKKP	11 14 17	Z	999.9	99.9 (9)		
16	CP	eP'	11 04 21.0	Z	999.9	99.9 (9)	124.0	
16	FM	eP'	11 04 21.3	Z	999.9	99.9 (9)	125.0	
16	LC	eP'	11 04 34.0	Z	0.7	9.2 (0)	132.0	
		eSKP	11 07 04	Z	0.8	36.2 (0)		
16	NG	eP'	11 04 39.2	Z	999.9	99.9 (9)	136.0	
		eSKP	11 07 15	Z	0.7	26.0 (0)		
16	12 12 39.1		00.6 S 147.5 E ADMIRALTY ISLANDS REGION H =033 KM MAG 5.00- CGS					
16	MN	eP	12 25 56.0	Z	999.9	99.9 (9)	94.0	
16	WI	eP	12 25 56.7	Z	999.9	99.9 (9)	94.0	
16	12 19 31.1		36.5 N 070.5 E HINDU KUSH H =216 KM MAG 5.20- CGS					
16	MN	ePP	12 37 40	Z	999.9	99.9 (9)	105.0	
16	13 22 13.8		19.9 S 178.3 W FIJI ISLANDS H =562 KM MAG 4.50- CGS					
16	17 54 41.3		17.8 S 178.5 W FIJI ISLANDS REGION H =564 KM MAG 4.40- CGS					
16	MN	eP	18 05 51.6	Z	999.9	99.9 (9)	80.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	WI	eP	18 06 02.7	Z	999.9	99.9 (9)	82.0	
16	21 32 22.4		08.5 S 080.1 W	COAST OF PERU				
			H =033 KM MAG	4.80-	CGS			
16	WI	eP	21 42 31.2	Z	999.9	99.9 (9)	60.0	
16	23 37 07.6		05.0 S 144.5 E	NORTHEAST NEW GUINEA				
			H =082 KM MAG	4.60-	CGS			
17	00 03 03.7		54.0 N 035.1 W	NORTH ATLANTIC OCEAN				
			H =032 KM MAG	3.80-	CGS			
17	MN	eP	00 12 42.8	Z	999.9	99.9 (9)	56.0	
17	DH	eL	00 18 50	LZ	19	87.0 (1)	29.0	
17	NG	eLR	00 21 12	LZ	25	11.5 (2)	34.0	
		eL	00 22 37	LZ	19	12.9 (2)		
		eL	00 22 37	LR	20	96.7 (1)		
		eL	00 22 37	LT	16	32.5 (1)		
17	LC	eL	00 31 37	LZ	27	30.8 (1)	54.0	
		eL	00 34 38	LZ	18	79.4 (1)		
		eL	00 34 38	LR	18	19.8 (1)		
		eL	00 34 38	LT	18	59.9 (1)		
17	FM	eL	00 32 18	LZ	18	55.1 (1)	52.0	
17	WI	eL	00 33 00	LZ	22	35.0 (1)	54.0	
		eL	00 34 08	LZ	17	45.4 (1)		
		eL	00 34 08	LR	16	31.0 (1)		
		eL	00 34 08	LT	20	47.6 (1)		
17	SJ	eL	00 33 47	LR	17	79.9 (1)	53.0	
17	CP	eP	00 53 45.1	Z	0.3	6.0 (0)	0.1	
		eS	00 53 48	R	0.4	14.7 (0)		
17	CP	eP	01 30 08.8	Z	0.3	14.6 (0)	0.7	
		eS	01 30 19	R	0.4	18.6 (0)		
17	CP	eP	01 54 21.7	Z	0.3	10.1 (0)	0.6	
		eS	01 54 31	R	0.4	18.6 (0)		
17	FM	eP	02 15 08.2	Z	0.3	4.5 (0)	1.9	
		eS	02 15 34	R	0.4	8.4 (0)		
17	MN	eP	02 15 53.5	Z	0.3	0.9 (0)	4.2	
		eS	02 16 46	R	0.5	7.5 (0)		
17	WI	eP	02 16 16.8	Z	0.3	0.7 (0)	5.0	
		eS	02 17 15	R	0.4	3.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	02 31 40.8		24.1 N 122.5 E	RYUKYU ISLANDS				
			H =033 KM MAG	4.60-	CGS			
17	WI	eP	02 44 59.5	Z	1.0	44.4 (0)	94.0	5.78
17	03 50 41.2		17.2 N 100.8 W	GUERRERO, MEXICO				
			H =033 KM MAG	4.10-	CGS			
17	LC	eP	03 54 27.6	Z	0.8	13.2 (0)	16.0	4.15
		eL	03 57 02	T	2.8	86.4 (0)		
		eL	03 59 25	LT	17	38.8 (1)		
17	CP	eP	03 55 23.3	Z	1.0	4.2 (0)	21.0	3.72
17	MN	eP	03 56 15.3	Z	0.8	6.9 (0)	26.0	4.30
17	WI	eP	03 56 31.7	Z	0.8	3.9 (0)	28.0	4.22
17	SJ	eL	03 57 29	LZ	16	16.2 (2)	11.0	
		eL	03 58 15	LZ	16	16.2 (2)		
		eL	03 58 15	LR	19	20.7 (2)		
		eL	03 58 15	LT	999.9	99.9 (9)		
17	FM	eLQ	04 03 30	LR	22	67.1 (1)	24.0	
		eLR	04 05 33	LZ	13	84.6 (1)		
						AVG.		4.10
17	05 38 17.1		36.9 N 071.3 E	HINDU KUSH REGION				
			H =174 KM MAG	4.70-	CGS			
17	MN	eP	05 51 11.6	Z	0.9	3.2 (0)		
17	06 53 20.3		04.8 S 144.2 E	NORTHEAST NEW GUINEA				
			H =035 KM MAG	5.70-	CGS			
17	LC	eP	07 23 12.8	Z	1.0	3.9 (0)		
17	08 28 24.9		42.1 N 037.2 E	BLACK SEA				
			H =033 KM MAG	4.80-	CGS			
17	WI	eP	08 41 41.9	Z	1.0	4.4 (0)	94.0	4.78
17	LC	eP	09 05 02.3	Z	0.3	2.8 (0)	1.5	
		eS	09 05 21	R	0.4	4.9 (0)		
17	WI	eP	10 12 51.4	Z	999.9	99.9 (9)	2.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	10 13 21	T	0.4	11.0 (0)		
17	MN	eP	11 28 16.8	Z	0.3	1.5 (0)	0.6	
		eS	11 28 25	R	0.4	12.0 (0)		
17	WI	eP	13 07 02.7	Z	0.3	11.1 (0)	1.3	
		eS	13 07 19	R	0.4	14.4 (0)		
17	15 54 21.4		23.7 S 179.9 E FIJI ISLANDS REGION					
			H =540 KM MAG 4.90- CGS					
17	MN	eP	16 06 00.0	Z	1.0	4.2 (0)	85.0	4.02
17	LC	eP	16 06 23.9	Z	1.0	6.5 (0)	90.0	4.51
							AVG.	4.27
17	17 10 13.6		17.1 S 176.7 W FIJI ISLANDS REGION					
			H =070 KM MAG 4.90- CGS					
17	MN	eP	17 22 04.8	Z	0.8	2.4 (0)	78.0	4.18
		epP	17 22 16	Z	1.0	8.4 (0)		
17	WI	epP	17 22 29	Z	1.0	4.4 (0)	80.0	
17	LC	eP	17 22 30.2	Z	999.9	99.9 (9)	83.0	
		epP	17 22 42	Z	1.0	5.2 (0)		
17	FM	eP	17 27 27.5	Z	0.3	4.5 (0)	2.0	
17	WI	eP	17 27 36.6	Z	0.3	5.9 (0)	2.6	
17	MN	eP	17 27 38.8	Z	999.9	99.9 (9)	3.7	
17	WI	e	17 27 40	Z	0.4	23.7 (0)	2.6	
17	MN	e	17 27 47	Z	0.4	5.2 (0)	3.7	
17	FM	eS	17 27 54	R	0.4	39.9 (0)	2.0	
17	WI	eS	17 28 09	T	999.9	99.9 (9)	2.6	
17	MN	eS	17 28 25	R	0.5	9.3 (0)	3.7	
17	17 34 29.0		37.7 N 113.2 W SOUTHWEST UTAH					
			H =033 KM MAG 4.00- CGS					
17	FM	eP	17 34 54.7	Z	0.5	82.9 (0)	1.7	
		eL	17 35 18	R	0.6	10.7 (1)		
17	WI	eP	17 35 41.6	Z	999.9	99.9 (9)	4.9	
		e	17 36 00	Z	0.4	9.9 (0)		
		eL	17 36 59	T	0.7	27.6 (0)		
		eL	17 37 04	LR	15	35.9 (1)		
17	CP	eP	17 35 52.4	Z	999.9	99.9 (9)	5.6	
		e	17 36 12	Z	0.5	2.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	17 37 27	T	0.6	4.6 (0)		
17	LC	eP	17 36 20.8	Z	999.9	99.9 (9)	8.0	
		e	17 36 48	Z	0.7	7.8 (0)		
		eL	17 38 24	T	0.8	15.0 (0)		
17	MV	eL	17 37 52	T	0.5	6.8 (0)	7.0	
17	19 26 31.5		23.9 S 179.8 W FIJI ISLANDS REGION					
			H =520 KM MAG 5.10- CGS					
17	TF	eP	19 37 57.2	Z	1.0	16.6 (0)	82.0	4.52
17	CP	eP	19 38 03.0	Z	1.0	19.8 (0)	83.0	4.59
17	MV	eP	19 38 04.7	Z	0.9	26.5 (0)	83.0	4.76
17	WI	eP	19 38 22.9	Z	1.0	20.0 (0)	87.0	4.80
17	FM	eP	19 38 33.3	Z	999.9	99.9 (9)	89.0	
17	LC	eP	19 38 36.0	Z	0.9	16.1 (0)	89.0	4.85
							AVG.	4.70
17	20 12 11.4		43.9 N 017.2 E YUGOSLAVIA					
			H =033 KM MAG 5.20- CGS					
17	LC	eP	20 19 23.3	Z	0.3	26.2 (0)	1.5	
		eS	20 19 42	T	0.4	12.3 (0)		
18	NG	eL	00 18 16	R	0.7	4.2 (0)		
18	NG	eP	06 16 18.0	Z	0.7	9.6 (0)		
18	07 08 29.*		25.3 N 121.8 E NORTH COAST OF FORMOSA					
			H =033 KM					
18	08 08 48.*		41.8 S 088.5 W WEST OF CHILE					
			H =033 KM MAG 4.50- CGS					
18	MN	eP	08 21 18.5	Z	1.0	7.5 (0)	84.0	4.78
18	MN	tP	11 46 42.6D	Z	999.9	99.9 (9)	1.1	
		eS	11 46 57	T	0.4	22.8 (0)		
18	14 12 36.0		36.2 S 090.4 W WEST OF CHILE					
			H =033 KM MAG 5.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	LC	iP	14 23 48.5D	Z	1.1	35.6 (0)	70.0	5.31
18	CP	iP	14 24 05.0D	Z	1.0	24.0 (0)	73.0	5.18
18	TF	eP	14 24 22.2	Z	1.1	20.4 (0)	76.0	5.06
18	FM	eP	14 24 32.0	Z	1.1	40.6 (0)	78.0	5.36
18	DH	eP	14 24 35.0	Z	999.9	99.9 (9)	79.0	
18	MN	iP	14 24 35.1D	Z	1.2	50.5 (0)	79.0	5.35
18	MV	eP	14 24 43.6	Z	1.3	19.2 (0)	80.0	4.83
18	NG	iP	14 24 48.0D	Z	1.0	48.5 (0)	82.0	5.48
							AVG.	5.23

18 14 25 18.9 36.4 N 070.9 E HINDU KUSH
H =225 KM MAG 4.90- CGS

18 14 51 39.7 30.1 S 177.2 W KERMADEC ISLANDS
H =033 KM

18 15 40 07.7 01.5 N 125.8 E CELEBES REGION
H =041 KM MAG 4.30- CGS

18	TF	eP	16 59 24.8	Z	0.2	31.4 (0)	1.5	
18	CP	eP	16 59 28.3	Z	999.9	99.9 (9)	1.9	
		e	16 59 30	Z	0.2	25.6 (0)		
18	TF	eS	16 59 44	R	999.9	99.9 (9)	1.5	
18	CP	eS	16 59 53	T	0.3	55.4 (0)	1.9	

18 18 24 05.5 58.2 N 032.4 W NORTH ATLANTIC OCEAN
H =033 KM MAG 4.60- CGS

18	WI	eP	18 33 26.0	Z	1.4	21.1 (0)	54.0	4.97
18	NG	eL	18 42 15	LZ	20	50.9 (1)	35.0	

18 19 03 01.* 57.9 N 032.2 W NORTH ATLANTIC OCEAN
H =033 KM

18	WI	eP	19 12 14.5	Z	1.3	19.2 (0)	54.0	4.97
18	MN	eP	19 12 41.0	Z	2.0	26.3 (0)	56.0	4.91
18	NG	eL	19 20 00	LZ	19	73.4 (1)	36.0	
							AVG.	4.94

18 21 53 57.6 33.7 N 137.7 E SOUTH HONSHU, JAPAN
H =317 KM MAG 4.10- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

19 00 54 38.4 03.8 N 096.1 E OFF SUMATRA
H =087 KM

19 01 22 23.* 11.1 N 124.2 E CEBU, P. I. REGION
H =033 KM

19	MN	eP	10 59 45.1	Z	0.3	3.6 (0)	0.9	
		eS	10 59 57	R	0.4	17.5 (0)		
19	LC	eP	11 28 28.1	Z	999.9	99.9 (9)		
19	MN	eP	11 30 08.5	Z	0.8	2.4 (0)		
19	WI	eP	11 30 19.8	Z	0.8	2.6 (0)		
19	CP	eP	11 40 31.4	Z	0.3	8.0 (0)	3.7	
		eS	11 41 11	R	0.4	25.0 (0)		

19 11 59 23.3 22.2 S 171.4 E LOYALTY ISLANDS REGION
H =105 KM MAG 4.40- CGS

19	MN	eP	12 12 09.7	Z	0.8	2.4 (0)	89.0	4.38
19	WI	eP	12 12 18.1	Z	999.9	99.9 (9)	91.0	

19 12 12 47.5 41.1 N 142.8 E SOUTH OF HOKKAIDO, JAPAN
H =032 KM MAG 4.20- CGS

19 15 28 20.1 06.2 S 128.1 E BANDA SEA
H =370 KM MAG 5.30- CGS

19 16 39 15.1 55.3 S 028.8 W SANDWICH ISLANDS REGION
H =033 KM

19	MN	eP*	16 58 05.3	Z	999.9	99.9 (9)	120.0	
19	WI	eP*	16 58 07.7	Z	999.9	99.9 (9)	122.0	
		eL	17 45 53	LZ	18	16.7 (1)		
19	MV	eP*	16 58 08.8	Z	999.9	99.9 (9)	122.0	
		eL	17 49 57	LZ	15	23.9 (1)		
19	LC	eL	17 36 20	LZ	22	22.3 (1)	110.0	
		eL	17 41 28	LZ	18	54.1 (1)		
		eL	17 41 28	LR	18	38.4 (1)		
		eL	17 41 28	LT	17	31.2 (1)		
19	FM	eL	17 44 48	LZ	20	35.1 (1)	118.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	WI	eP	18 04 55.2	Z	999.9	99.9 (9)	3.3	
		eS	18 05 37	R	0.4	5.4 (0)		
19	CP	eP	19 01 42.2	Z	0.3	30.3 (0)		
19	22 28 14.*		24.0 N 122.9 E	OFF E. COAST OF FORMOSA				
			H =033 KM MAG	4.70- CGS				
20	04 03 03.6		07.0 S 121.2 E	FLORES SEA				
			H =033 KM					
20	06 46 19.5		17.2 S 178.2 W	FIJI ISLANDS REGION				
			H =612 KM	44- CGS				
20	MN	eP	06 57 22.3	Z	1.0	5.9 (0)	79.0	3.98
		epP	06 59 32	Z	1.0	2.5 (0)		
20	WI	eP	06 57 33.2	Z	1.0	5.5 (0)	81.0	3.95
20	LC	eP	06 57 50.3	Z	1.0	5.9 (0)	84.0	4.16
							AVG.	4.03
20	07 41 22.1		06.3 S 154.0 E	SOLOMON ISLANDS REGION				
			H =037 KM MAG	5.10- CGS				
20	MN	eP	07 54 30.5	Z	1.2	6.4 (0)	92.0	4.83
20	08 44 00.9		22.3 S 170.5 E	LOYALTY ISLANDS REGION				
			H =033 KM MAG	5.00- CGS				
20	MN	eP	08 56 59.3	Z	1.1	3.1 (0)	90.0	4.42
		eLR	09 25 58	LZ	25	62.7 (1)		
20	TF	eLR	09 24 50	LZ	25	84.6 (1)	87.0	
20	WI	eLR	09 27 02	LZ	30	43.4 (1)	92.0	
20	LC	eLR	09 28 40	LZ	32	57.5 (1)	96.0	
20	12 15 40.2		17.7 S 168.1 E	NEW HEBRIDES ISLANDS				
			H =033 KM MAG	4.20- CGS				
20	14 14 24.4		19.2 S 177.1 W	FIJI ISLANDS REGION				
			H =592 KM MAG	4.50- CGS				
20	14 32 07.7		51.9 N 177.9 E	RAT-ALEUTIAN ISLANDS				
			H =033 KM MAG	4.70- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	MV	eP	14 40 07.5	Z	999.9	99.9 (9)	43.0	
20	LC	eP	14 41 49.5	Z	5.5	21.9 (1)	57.0	5.40
20	14 51 17.8		07.2 N 073.4 W	NORTHERN COLOMBIA				
			H =127 KM MAG	4.20- CGS				
20	LC	eP	14 58 41.7	Z	0.9	12.8 (0)	40.0	4.67
20	WI	eP	15 00 15.4	Z	0.6	2.3 (0)	52.0	4.25
							AVG.	4.77
20	16 45 51.0		38.8 N 139.0 E	OFF W. COAST HONSHU, JAPAN				
			H =175 KM					
20	17 07 32.5		45.7 S 078.7 W	COAST OF SOUTHERN CHILE				
			H =033 KM MAG	4.60- CGS				
20	LC	eP	17 19 50.0	Z	1.2	12.8 (0)	82.0	4.83
		eS	17 29 58	LT	23	10.4 (2)		
		eS	17 29 58	LR	23	43.2 (1)		
		eSS	17 35 00	LT	30	99.4 (1)		
		eLQ	17 41 24	LT	32	28.1 (2)		
		eG	17 43 34	LR	24	26.3 (2)		
		eLR	17 49 30	LZ	18	15.5 (2)		
20	FM	eP	17 20 30.5	Z	1.2	10.2 (0)	90.0	4.89
		eS	17 31 20	LR	23	76.7 (1)		
		eS	17 31 20	LT	999.9	99.9 (9)		
		eSS	17 37 10	LR	999.9	99.9 (9)		
		e	17 44 07	LR	999.9	99.9 (9)		
		eG	17 45 27	LR	57	10.0 (3)		
20	MN	eP	17 20 38.6	Z	1.8	20.0 (0)	91.0	5.11
		eS	17 31 27	LT	999.9	99.9 (9)		
		eSS	17 37 27	LT	999.9	99.9 (9)		
		eLQ	17 44 27	LT	32	11.6 (2)		
		eG	17 46 00	LT	52	59.7 (2)		
		eLR	17 50 35	LZ	27	14.0 (2)		
20	MV	eP	17 20 51.2	Z	999.9	99.9 (9)	93.0	
		eS	17 31 50	LT	20	10.7 (2)		
		eS	17 31 50	LR	20	36.2 (1)		
		e	17 33 00	LZ	16	44.7 (1)		
		eSS	17 38 03	LR	24	39.2 (1)		
		eSSS	17 41 32	LR	24	46.1 (1)		
		e	17 45 00	LT	999.9	99.9 (9)		
		eL	17 46 32	LR	25	10.6 (2)		
		eLR	17 51 07	LZ	25	12.6 (2)		
20	WI	eP	17 20 53.7	Z	1.0	3.3 (0)	93.0	4.68
		ePS	17 32 57	LT	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	17 38 02	LR	23	57.5 (1)		
		eG	17 47 12	LT	45	52.9 (2)		
		eLR	17 52 32	LZ	25	14.0 (2)		
20	DH	eS	17 30 57	LR	23	93.5 (1)	88.0	
		eSS	17 36 52	LT	20	87.1 (1)		
		eG	17 43 17	LR	53	55.0 (2)		
20	TF	eS	17 31 12	LT	999.9	99.9 (9)	89.0	
		ePS	17 32 10	LT	22	83.5 (1)		
		eSSS	17 40 32	LT	22	80.1 (1)		
		eL	17 43 50	LR	40	27.9 (2)		
		eLR	17 48 55	LZ	23	22.0 (2)		
20	NG	e	17 36 27	LR	19	84.1 (1)	91.0	
		eSS	17 37 13	LR	34	82.8 (1)		
		eLQ	17 44 30	LR	42	21.7 (2)		
		eG	17 46 45	LR	42	50.1 (2)		
		eLR	17 51 46	LZ	28	18.2 (2)		
							AVG.	4.88
20	19 40 30.9		24.6 N 122.1 E NEAR N.E. COAST OF FORMOSA H =033 KM					
20	WI	eP	19 53 50.5	Z	1.0	3.3 (0)	94.0	4.65
21	02 33 35.9		33.4 N 139.2 E SOUTH OF HONSHU, JAPAN H =168 KM MAG 4.40- CGS					
21	MN	eP	05 14 44.5	Z	999.9	99.9 (9)		
21	07 49 28.8		42.3 N 142.5 E SOUTH OF HOKKAIDO, JAPAN H =033 KM MAG 4.50- CGS					
21	CP	iP	11 45 02.3D	Z	999.9	99.9 (9)		
21	CP	eP	11 55 00.5	Z	999.9	99.9 (9)		
21	12 01 19.4		40.4 N 125.0 W NEAR COAST OF CALIFORNIA H =033 KM					
21	MV	eP	12 02 05.0	Z	0.4	4.4 (0)	3.0	3.85
		eS	12 02 41	T	0.5	16.5 (0)		
21	WI	eP	12 02 43.5	Z	0.4	1.9 (0)	5.7	3.96
		eS	12 04 10	T	0.7	8.4 (0)		
							AVG.	3.90

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	13 01 06.5		17.9 N 146.5 E MARIANA ISLANDS REGION H =088 KM MAG 4.40- CGS					
21	13 16 05.6		20.6 S 175.1 W TONGA ISLANDS REGION H =033 KM MAG 5.20- CGS					
21	TF	eP	13 27 53.0	Z	1.0	20.8 (0)	76.0	5.11
21	CP	iP	13 27 58.5C	Z	0.9	19.3 (0)	77.0	5.13
21	MV	eP	13 28 01.9	Z	999.9	99.9 (9)	78.0	
21	MN	eP	13 28 10.4	Z	0.8	21.1 (0)	79.0	5.15
21	WI	eP	13 28 22.0	Z	0.8	10.1 (0)	82.0	4.90
21	FM	iP	13 28 33.3C	Z	0.9	33.4 (0)	84.0	5.47
21	LC	iP	13 28 35.6C	Z	0.8	25.0 (0)	84.0	5.39
21	NG	eLR	15 16 50	LZ	30	41.1 (1)	102.0	
		eL	15 26 10	LZ	17	10.3 (2)		
		eL	15 26 10	LR	18	83.3 (1)		
		eL	15 26 10	LT	17	34.6 (1)		
							AVG.	5.22
21	LC	eP	14 16 07.5	Z	0.8	3.5 (0)		
21	14 28 29.*		20.5 S 173.9 W TONGA ISLANDS REGION H =029 KM MAG 5.00- CGS					
21	CP	eP	14 40 18.5	Z	1.3	30.7 (0)	76.0	5.18
21	MV	eP	14 40 22.1	Z	1.3	9.3 (0)	77.0	4.67
		eLR	15 06 06	LZ	20	57.2 (1)		
		eL	15 17 10	LZ	17	10.0 (2)		
		eL	15 17 10	LR	16	29.2 (1)		
		eL	15 17 10	LT	17	72.8 (1)		
21	WI	eP	14 40 42.3	Z	1.1	10.5 (0)	81.0	4.72
21	FM	eP	14 40 53.8	Z	1.3	16.7 (0)	83.0	5.02
		eLR	15 10 15	LZ	19	98.8 (1)		
		eL	15 14 20	LZ	18	12.5 (2)		
		eL	15 14 20	LR	18	94.8 (1)		
21	LC	eP	14 40 55.8	Z	1.2	16.2 (0)	83.0	5.04
		e	14 51 20	LT	20	49.9 (1)		
		eLQ	15 03 11	LR	27	52.9 (1)		
		eLR	15 06 20	LZ	23	56.9 (1)		
		eL	15 14 20	LZ	18	18.7 (2)		
		eL	15 14 20	LR	18	11.7 (2)		
		eL	15 14 20	LT	18	11.4 (2)		
21	MN	eS	14 50 27	LR	18	53.7 (1)	79.0	
		e	15 01 05	LR	21	54.5 (1)		
		eLR	15 07 20	LZ	20	16.1 (2)		
		eL	15 19 40	LZ	16	32.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	15 19 40	LR	16	10.8 (2)		
		eL	15 19 40	LT	16	25.0 (2)		
21	SJ	eLR	15 09 15	LZ	25	75.9 (1)	87.0	
		eL	15 22 13	LZ	15	24.7 (2)		
		eL	15 22 13	LR	15	26.5 (2)		
		eL	15 22 13	LT	15	50.5 (2)		
21	TF	eL	15 09 20	LR	18	19.3 (2)	75.0	
		eL	15 09 20	LT	18	62.4 (1)		
		eLR	15 05 27	LZ	19	21.5 (2)		
		eL	15 09 20	LZ	17	25.4 (2)		
		e	14 50 58	LT	16	64.7 (1)		
		e	14 59 40	LT	20	10.0 (2)		
21	DH	eLR	15 26 13	LZ	19	99.6 (1)	110.0	
		eL	15 30 15	LZ	17	16.6 (2)		
		eL	15 30 15	LR	18	14.2 (2)		
						AVG.		4.93

21 15 44 29.7 00.9 N 126.8 E MOLUCCA SEA
H =101 KM MAG 4.40- CGS

21 17 14 35.7 32.7 N 020.9 E COAST OF LIBYA
H =033 KM

21	NG	eP	17 27 38.0	Z	0.7	16.9 (0)	91.0	5.44
21	SJ	eL	18 02 33	LT	30	18.5 (2)	97.0	
		eL	18 06 45	LZ	25	40.4 (1)		
		eL	18 06 45	LR	25	29.9 (2)		
		eL	18 06 45	LT	24	31.2 (2)		
21	MN	eL	18 02 50	LZ	34	24.0 (2)	100.0	

21 18 33 06.8 32.9 N 021.1 E COAST OF LIBYA
H =033 KM MAG 4.50- CGS

21 19 43 52.4 06.3 S 106.7 E NEAR N.W. COAST OF JAVA
H =039 KM MAG 4.80- CGS

21 19 52 27.1 06.3 S 106.7 E JAVA
H =033 KM MAG 5.20- CGS

21 20 26 43.8 32.6 N 021.0 E COAST OF LIBYA
H =033 KM MAG 4.40- CGS

21 23 42 34.7 12.7 N 084.9 W NICARAGUA
H =033 KM MAG 4.30- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	MN	eP	00 31 04.1	Z	0.3	6.6 (0)	1.5	
		eS	00 31 23	R	0.4	5.6 (0)		

22 00 52 11.3 06.1 S 106.3 E JAVA
H =173 KM MAG 4.90- CGS

22 01 32 25.4 27.5 N 087.7 E NEPAL TIBET BORDER
H =033 KM MAG 4.30- CGS

22 02 47 21.6 32.9 N 021.1 E COAST OF LIBYA
H =033 KM

22	LC	eP	07 02 14.1	Z	999.9	99.9 (9)	1.5	
		eS	07 02 34	R	0.4	99.9 (9)		

22 07 10 28.0 85.0 N 098.9 E NORTH POLAR REGION
H =033 KM MAG 5.00- CGS

22	NG	eP	07 19 16.3	Z	0.8	16.9 (0)	49.0	5.09
		eP	07 19 17	LZ	15	27.1 (1)		
		ePCP	07 20 39	Z	1.2	29.3 (0)		
		eS	07 26 20	LR	16	48.6 (1)		
		eS	07 26 20	LT	17	19.8 (2)		
		eSS	07 29 57	LT	15	76.4 (1)		
		eLQ	07 34 27	LR	999.9	99.9 (9)		
22	WI	eP	07 19 43.5	Z	0.9	25.5 (0)	53.0	5.18
		e	07 20 19	Z	2.3	22.1 (1)		
		eLR	07 34 57	LZ	35	36.5 (2)		
22	MV	eP	07 19 57.7	Z	0.9	11.3 (0)	55.0	4.90
		e	07 20 31	Z	2.3	17.9 (1)		
		eS	07 27 39	LR	23	11.2 (2)		
		eS	07 27 39	LT	24	14.7 (2)		
		eLR	07 37 25	LZ	27	11.1 (2)		
		eL	07 42 30	LZ	23	35.6 (2)		
		eL	07 42 30	LR	20	23.7 (2)		
		eL	07 42 30	LT	22	20.5 (2)		
22	FM	eP	07 20 00.9	Z	0.8	10.3 (0)	55.0	4.91
		ePCP	07 21 05	Z	2.1	12.5 (1)		
		eS	07 27 40	LT	18	14.4 (2)		
		eS	07 27 40	LR	20	41.1 (1)		
		eLR	07 37 24	LZ	37	28.7 (2)		
		eL	07 44 43	LZ	18	33.2 (2)		
		eL	07 44 43	LR	20	21.4 (2)		
		eL	07 44 43	LT	19	31.8 (2)		
22	MN	eP	07 20 04.0	Z	1.0	13.4 (0)	56.0	4.93

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	07 21 57	Z	2.4	71.7 (0)		
		eS	07 27 57	LZ	15	11.9 (2)		
		eLR	07 37 45	LZ	27	21.6 (2)		
		eL	07 42 08	LZ	25	27.8 (2)		
		eL	07 42 08	LR	18	16.2 (2)		
		eL	07 42 08	LT	22	30.1 (2)		
22	TF	eP	07 20 21.5	Z	1.1	20.0 (0)	59.0	5.06
		eLR	07 40 02	LZ	28	22.7 (2)		
		eL	07 43 43	LZ	25	35.7 (2)		
		eL	07 43 43	LR	20	24.3 (2)		
		eL	07 43 43	LT	22	38.0 (2)		
22	CP	eP	07 20 44.4	Z	0.9	5.5 (0)	62.0	4.72
		eLR	07 41 53	LZ	30	23.5 (2)		
		eL	07 48 32	LZ	18	56.1 (2)		
		eL	07 48 32	LR	20	38.9 (2)		
		eL	07 48 32	LT	20	23.0 (1)		
22	LC	eP	07 20 48.0	Z	1.1	13.3 (0)	62.0	5.01
		eP.	07 20 50	LZ	16	16.6 (1)		
		e	07 24 35	LZ	18	32.0 (1)		
		eS	07 30 04	LR	30	10.3 (2)		
		eS	07 30 04	LT	999.9	99.9 (9)		
		eLQ	07 36 23	LT	22	52.5 (1)		
		eLR	07 40 40	LZ	35	26.8 (2)		
		eL	07 48 27	LZ	20	55.3 (1)		
		eL	07 48 27	LR	18	17.4 (2)		
		eL	07 48 27	LT	16	27.1 (2)		
22	DH	eS	07 27 17	LT	18	13.8 (2)	53.0	
		eS	07 27 17	LR	15	55.1 (1)		
		eL	07 34 20	LR	25	20.9 (2)		
		eL	07 42 22	LZ	16	42.5 (2)		
		eL	07 42 22	LR	15	10.1 (2)		
		eL	07 42 22	LT	17	29.0 (2)		
22	SJ	eLQ	07 45 05	LR	28	33.3 (2)	67.0	
		eLR	07 50 07	LZ	24	36.3 (2)		
						AVG.		4.98

22 07 23 14.* 84.7 N 104.3 E NORTH POLAR REGION
H =033 KM MAG 4.80- CGS

22	NG	eP	07 32 05.3	Z	0.7	7.1 (0)	50.0	4.70
22	WI	eP	07 32 32.9	Z	0.6	2.7 (0)	53.0	4.39
22	MN	eP	07 32 53.4	Z	0.8	1.9 (0)	56.0	4.19
							AVG.	4.43

22 07 58 57.0 17.8 S 178.8 W FIJI ISLANDS REGION
H =550 KM MAG 5.00- CGS

22	TF	eP	08 09 54.0	Z	1.1	70.2 (0)	77.0	5.00

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	08 11 53	Z	1.2	18.7 (0)		
22	MV	eP	08 10 00.8	Z	1.0	47.6 (0)	78.0	4.87
		epP	08 11 55	Z	1.5	19.3 (0)		
22	CP	eP	08 10 01.1	Z	1.1	55.6 (0)	78.0	4.90
22	MN	eP	08 10 09.9	Z	1.1	64.5 (0)	80.0	4.96
		epP	08 12 11	Z	1.7	42.1 (0)		
		eS	08 19 32	R	2.0	36.0 (0)		
		eS	08 19 32	T	1.5	9.8 (0)		
22	WI	eP	08 10 20.2	Z	1.1	57.3 (0)	82.0	5.01
		epP	08 12 20	Z	1.3	10.6 (0)		
22	FM	eP	08 10 32.7	Z	1.4	73.0 (0)	84.0	5.11
22	LC	eP	08 10 37.8	Z	1.0	19.1 (0)	85.0	4.68
		epP	08 12 36	Z	2.0	44.9 (0)		
							AVG.	4.93

22	MN	eP	08 06 01.4	Z	0.9	3.8 (0)		
22	WI	eP	08 06 10.1	Z	0.7	4.4 (0)		
22	LC	eP	08 53 23.3	Z	0.3	5.1 (0)	0.1	
		eS	08 53 27	R	0.4	6.8 (0)		

22 09 37 52.3 21.1 S 068.1 W PERU CHILE BORDER REGION
H =098 KM MAG 4.40- CGS

22	FM	eP	09 49 13.1	Z	0.8	5.1 (0)	73.0	4.41
		epP	09 49 45	Z	0.9	10.1 (0)		
22	MN	eP	09 49 28.3	Z	1.1	4.1 (0)	76.0	4.18
		epP	09 50 00	Z	999.9	99.9 (9)		
22	WI	eP	09 49 38.0	Z	0.7	8.8 (0)	77.0	4.70
		epP	09 50 10	Z	0.9	9.3 (0)		
							AVG.	4.43

22 10 06 53.8 01.0 S 125.8 E MOLUCCA SEA
H =285 KM MAG 4.70- CGS

22 11 05 42.0 30.3 S 178.6 W KERMADEC ISLANDS
H =113 KM MAG 5.10- CGS

22	CP	eP	11 18 11.5	Z	1.1	12.5 (0)	86.0	4.74
22	MN	eP	11 18 23.2	Z	1.0	6.7 (0)	87.0	4.60
22	WI	eP	11 18 33.7	Z	1.0	5.5 (0)	91.0	4.71
22	LC	eP	11 18 40.4	Z	1.2	3.6 (0)	92.0	4.54
							AVG.	4.65

22 14 12 54.4 40.6 N 020.5 E ALBANIA-GREECE BORDER
H =033 KM MAG 4.40- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	WI	eP	14 25 52.8	Z	1.2	11.9 (0)	90.0	4.96
22	LC	eP	14 26 05.2	Z	1.0	3.5 (0)	92.0	4.65
							AVG.	4.81
22	TF	eP	15 56 40.3	Z	0.3	26.1 (0)		
22	MN	eP	15 57 34.7	Z	0.5	2.2 (0)	4.9	
		eS	15 58 34	T	0.6	4.8 (0)		
22	CP	eP	17 45 44.5	Z	0.3	18.6 (0)	0.6	
		eS	17 45 53	R	0.4	20.1 (0)		
22	21 14 06.1		18.1 N 071.3 W SOUTH OF DOM. REPUBLIC					
			H =050 KM MAG 5.50- CGS					
22	DH	eP	21 19 20.3	Z	1.0	20.0 (0)	24.0	4.55
		eL	21 23 45	LR	25	12.4 (2)		
		eL	21 26 35	LZ	21	12.7 (2)		
		eL	21 26 35	LR	22	13.7 (2)		
		eL	21 26 35	LT	20	10.3 (2)		
22	SJ	eP	21 19 48	LZ	11	73.2 (1)	27.0	
		eL	21 29 45	LT	22	16.9 (2)		
		eL	21 43 07	LZ	16	12.2 (2)		
		eL	21 43 07	LR	16	22.8 (2)		
		eL	21 43 07	LT	20	21.9 (2)		
22	NG	eP	21 20 19.3	Z	0.8	5.6 (0)	31.0	4.44
		eS	21 25 28	LT	19	33.0 (1)		
		eLQ	21 27 16	LR	21	50.4 (1)		
		eLR	21 32 25	LZ	15	48.7 (1)		
		eL	21 30 25	LZ	25	39.8 (1)		
		eL	21 30 25	LR	20	14.9 (2)		
		eL	21 30 25	LT	19	59.7 (1)		
22	FM	eP	21 21 48.4	Z	0.8	5.1 (0)	41.0	4.36
		eLQ	21 35 30	LT	25	23.0 (2)		
		eLR	21 40 12	LZ	17	10.8 (2)		
		eL	21 37 02	LR	24	21.4 (2)		
		eL	21 37 02	LT	23	24.1 (2)		
22	MN	eP	21 22 22.5	Z	1.0	14.3 (0)	45.0	4.75
		eLQ	21 38 17	LT	25	99.9 (9)		
		eL	21 39 37	LT	25	99.9 (9)		
		eL	21 39 37	LR	20	28.1 (2)		
		eLR	21 40 41	LZ	23	99.9 (9)		
22	WI	eP	21 22 24.0	Z	0.7	12.1 (0)	46.0	4.93
		ePCP	21 24 02	Z	0.7	8.8 (0)		
		eLQ	21 36 42	LR	27	99.9 (9)		
		eLR	21 39 58	LZ	20	63.5 (1)		
		eL	21 44 40	LZ	20	87.1 (1)		
		eL	21 44 40	LR	18	26.6 (2)		
		eL	21 44 40	LT	14	11.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	TF	eP	21 22 30.4	Z	0.8	12.0 (0)	46.0	4.87
		eL	21 39 12	LT	22	10.6 (2)		
		eL	21 42 00	LZ	17	71.9 (1)		
		eL	21 42 00	LR	17	15.0 (2)		
		eL	21 42 00	LT	17	32.4 (2)		
22	MV	eP	21 22 36.3	Z	0.7	4.9 (0)	48.0	4.59
		eL	21 36 35	LT	33	61.5 (2)		
		eL	21 40 53	LZ	17	12.1 (2)		
		eL	21 40 53	LR	23	13.2 (2)		
		eL	21 40 53	LT	25	29.8 (2)		
22	LC	eS	21 26 43	LR	22	19.6 (1)	35.0	
		eL	21 32 18	LT	28	11.7 (2)		
		eL	21 36 10	LZ	20	67.8 (1)		
		eL	21 36 10	LR	17	15.6 (2)		
		eL	21 36 10	LT	17	24.4 (2)		
22	CP	eL	21 39 15	LT	17	62.0 (1)	43.0	
							AVG.	4.64
22	DH	eP	21 23 47.0	Z	999.9	99.9 (9)	1.5	
		eS	21 24 07	R	0.5	29.3 (0)		
22	21 38 30.*		04.0 S 131.0 E NEAR NORTH COAST OF CERAM					
			H =033 KM					
22	23 19 57.7		58.8 N 137.2 W COAST OF S. E. ALASKA					
			H =033 KM MAG 4.10- CGS					
22	WI	eP	23 24 44.1	Z	1.1	8.1 (0)	21.0	3.97
22	MV	eP	23 24 50.8	Z	1.1	12.1 (0)	22.0	4.21
22	MN	eP	23 25 08.3	Z	0.8	3.4 (0)	24.0	3.90
							AVG.	4.03
23	MN	eP	02 56 14.7	Z	0.8	1.9 (0)		
23	06 32 30.*		36.0 S 102.5 W SOUTH PACIFIC OCEAN					
			H =033 KM MAG 4.70- CGS					
23	LC	eP	06 43 31.3	Z	999.9	99.9 (9)	68.0	
23	MN	eP	06 44 12.0	Z	0.9	3.8 (0)	75.0	4.36
23	FM	eP	06 44 14.4	Z	0.8	6.2 (0)	75.0	4.62
23	MV	eP	06 44 22.4	Z	999.9	99.9 (9)	77.0	
23	WI	eP	06 44 27.2	Z	0.8	1.3 (0)	78.0	4.01
		e	06 44 58	Z	1.0	5.5 (0)		
23	NG	eP	06 44 52.0	Z	0.8	5.6 (0)	82.0	4.64

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
						AVG.		4.41
23			07 02 37.9 44.8 S 076.1 W NEAR COAST OF CHILE H =033 KM					
23	WI	eP	08 22 09.8	Z	999.9	99.9 (9)		
23	MN	eP	08 22 56.8	Z	999.9	99.9 (9)		
23	FM	eP	11 37 48.0	Z	0.3	32.4 (0)		
23			17 12 47.4 49.4 N 158.6 E KURILE ISLANDS REGION H =050 KM MAG 4.40- CGS					
23	MV	eP	17 22 21.0	Z	0.7	9.0 (0)	56.0	4.91
23	WI	eP	17 22 27.8	Z	0.5	4.6 (0)	57.0	4.76
23	MN	eP	17 22 38.8	Z	0.8	7.4 (0)	58.0	4.77
23	FM	eP	17 22 59.4	Z	0.8	8.2 (0)	61.0	4.86
23	NG	eP	17 23 48.8	Z	0.8	8.4 (0)	69.0	4.82
23	LC	eP	17 23 51.2	Z	0.6	3.4 (0)	69.0	4.56
23	DH	eP	17 24 39.1	Z	0.8	11.9 (0)	77.0	4.92
						AVG.		4.80
24			00 37 01.* 32.2 S 068.5 W MENDOZA PROV., ARGENTINA H =033 KM MAG 4.30- CGS					
24			03 57 35.8 19.4 N 146.2 E MARIANA ISLANDS REGION H =051 KM					
24	MV	eP	04 09 41.0	Z	0.7	4.0 (0)	80.0	4.40
24	WI	eP	04 09 52.6	Z	0.7	5.5 (0)	82.0	4.64
24	MN	eP	04 09 54.6	Z	0.7	7.1 (0)	82.0	4.75
						AVG.		4.60
24			05 38 20.6 15.1 S 072.5 W NEAR COAST OF SOUTH PERU H =105 KM MAG 5.30- CGS					
24	LC	eP	05 48 00.6	Z	1.0	2.3 (0)	57.0	4.16
		epP	05 48 27	Z	1.5	21.1 (0)		
24	FM	eP	05 48 55.9	Z	0.9	5.3 (0)	66.0	4.46
24	MN	eP	05 49 12.8	Z	999.9	99.9 (9)	68.0	
		epP	05 49 40	Z	1.6	23.2 (0)		
24	WI	eP	05 49 22.3	Z	1.0	8.8 (0)	70.0	4.54

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
						AVG.		4.39
24			06 36 11.3 19.7 S 177.5 W FIJI ISLANDS REGION H =541 KM MAG 5.00- CGS					
24	MN	eP	06 47 28.2	Z	0.9	3.2 (0)	80.0	3.75
24			13 07 26.4 18.3 S 175.4 W TONGA ISLANDS REGION H =209 KM MAG 4.50- CGS					
24	MN	eP	13 19 03.0	Z	0.7	2.9 (0)	78.0	4.12
24	WI	eP	13 19 14.2	Z	999.9	99.9 (9)	80.0	
24			13 34 15.7 14.6 N 091.4 W CENTRAL GUATEMALA H =135 KM MAG 5.70- CGS					
24	SJ	eP	13 37 37.8	Z	1.0	51.0 (1)	14.0	5.77
		eP	13 37 36	LZ	20	12.1 (2)		
		e	13 38 10	LZ	13	22.5 (2)		
		eS	13 40 06	R	1.3	24.4 (1)		
		eS	13 40 06	T	1.2	30.7 (1)		
		eS	13 40 12	LT	999.9	99.9 (9)		
		e	13 42 02	T	2.4	10.6 (2)		
		eSCS	13 49 48	T	3.0	20.8 (2)		
24	LC	iP	13 39 05.7C	Z	0.6	99.9 (9)	22.0	
		eP	13 39 07	LZ	15	24.6 (1)		
		ePP	13 39 36	LZ	23	10.3 (2)		
		ePCP	13 42 57	Z	1.1	38.4 (0)		
		eS	13 43 09	LR	18	43.4 (2)		
		eS	13 43 09	LT	24	31.6 (2)		
		eS	13 43 10	R	3.2	43.8 (1)		
		eSCP	13 46 28	Z	1.3	39.1 (0)		
		eSCS	13 50 14	R	2.5	19.1 (1)		
24	CP	eP	13 40 06.7	Z	0.9	26.3 (0)	29.0	4.90
		ePCP	13 43 12	Z	0.9	79.1 (0)		
		eS	13 44 56	LR	17	17.6 (2)		
		eS	13 44 56	LT	18	89.8 (1)		
		e	13 45 53	LT	16	28.8 (2)		
		eSCP	13 46 46	Z	0.9	9.8 (0)		
		eLQ	13 48 00	LR	30	66.0 (2)		
		eSCS	13 50 41	T	3.2	34.5 (1)		
24	FM	iP	13 40 20.7C	Z	0.9	99.5 (0)	31.0	5.54
		ePCP	13 43 16	Z	0.8	51.7 (0)		
		eS	13 45 20	LR	22	13.0 (2)		
		eS	13 45 20	LT	17	13.7 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSCP	13 46 51	Z	1.1	34.5 (0)		
		eLQ	13 47 53	LR	40	41.6 (2)		
		eSCS	13 50 48	R	4.5	80.6 (1)		
24	NG	tP	13 40 22.5C	Z	0.7	71.0 (0)	31.0	5.50
		eP	13 40 23	LZ	15	68.8 (1)		
		ePP	13 41 24	Z	1.0	47.6 (0)		
		ePCP	13 43 15	Z	0.9	58.6 (0)		
		eS	13 45 15	LR	999.9	99.9 (9)		
		e	13 46 12	LR	18	19.9 (2)		
		eSCP	13 46 50	Z	1.0	47.6 (0)		
		eLQ	13 48 00	LR	37	99.9 (9)		
		eLR	13 54 05	LZ	19	38.5 (2)		
24	DH	tP	13 40 23.4C	Z	0.9	52.4 (1)	31.0	6.26
		eP	13 40 24	LZ	999.9	99.9 (9)		
		eS	13 45 20	LR	11	16.4 (2)		
		eS	13 45 20	LT	22	13.6 (2)		
		eSCP	13 46 46	LZ	18	28.5 (2)		
		eL	13 49 00	LZ	33	59.6 (2)		
		eL	13 53 30	LZ	21	60.3 (2)		
		eL	13 53 30	LR	20	21.0 (2)		
		eL	13 53 30	LT	22	38.7 (2)		
24	TF	eP	13 40 37.6	Z	999.9	99.9 (9)	33.0	
		ePCP	13 43 23	Z	0.9	10.2 (1)		
		eS	13 45 54	LR	999.9	99.9 (9)		
		e	13 47 43	LR	20	14.6 (2)		
		eLQ	13 49 03	LR	39	13.9 (3)		
		eLR	13 51 38	LZ	25	28.8 (2)		
24	MN	eP	13 40 46.6	Z	1.0	67.4 (0)	33.0	5.35
		ePCP	13 43 25	Z	0.7	41.1 (0)		
		eS	13 46 04	R	2.5	10.3 (1)		
		eS	13 46 04	T	3.0	20.8 (1)		
		eS	13 46 05	LR	13	11.6 (2)		
		eS	13 46 05	LT	15	22.8 (2)		
		e	13 46 17	Z	2.8	17.1 (1)		
		e	13 46 30	LT	15	16.9 (2)		
		eSCP	13 47 00	Z	0.9	11.6 (0)		
		eSS	13 48 30	LT	30	30.9 (2)		
		eL	13 50 30	LT	32	72.4 (2)		
		e	13 51 03	Z	2.5	25.2 (1)		
24	WI	eP	13 40 58.6	Z	999.9	99.9 (9)	35.0	
		ePCP	13 43 28	Z	1.0	2.4 (0)		
		eS	13 46 25	LT	17	18.7 (2)		
		eSCP	13 47 05	Z	0.9	5.9 (0)		
		e	13 48 01	LT	21	96.9 (1)		
		e	13 49 16	LT	22	23.1 (2)		
24	MV	eP	13 41 05.8	Z	2.3	13.1 (1)	36.0	5.35
		ePCP	13 43 31	Z	0.9	45.9 (0)		
		eS	13 46 40	LR	12	69.7 (1)		
		eS	13 46 40	LT	15	20.3 (2)		
		e	13 49 20	LT	25	22.1 (2)		
		e	13 49 25	LT	25	21.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSCS	13 51 15	T	3.0	42.3 (1)		
		eLQ	13 50 56	LT	30	64.8 (2)		
						AVG.		5.52
24	LC	eP	15 12 20.3	Z	0.3	1.7 (0)	2.9	
		e	15 12 25	Z	0.4	3.3 (0)		
		eS	15 12 56	R	0.4	3.7 (0)		
24	15 24 56.6		44.9 N 112.0 W SOUTHWESTERN MONTANA H =033 KM					
24	WI	eP	15 26 21.2	Z	0.5	5.0 (0)	53.0	4.73
		e	15 27 31	Z	0.5	5.0 (0)		
24	17 35 14.*		31.7 S 176.5 W KERMADEC ISLANDS H =033 KM					
24	MN	eLR	18 09 05	LZ	16	58.3 (1)	88.0	
24	21 34 08.1		19.5 S 179.0 W FIJI ISLANDS REGION H =546 KM MAG 4.80- CGS					
24	MN	eP	21 45 28.0	Z	0.9	4.5 (0)	81.0	3.95
24	22 35 00.0		26.4 N 044.5 W NORTH ATLANTIC OCEAN H =033 KM MAG 4.60- CGS					
24	NG	eP	22 42 31.1	Z	1.0	14.2 (0)	40.0	4.62
		eLR	22 53 15	LZ	27	11.0 (2)		
		eL	22 55 55	LZ	23	12.0 (2)		
		eL	22 55 55	LR	21	74.5 (1)		
		eL	22 55 55	LT	23	57.9 (1)		
24	LC	eP	22 44 23.0	Z	1.0	5.9 (0)	54.0	4.57
		eS	22 52 08	LR	23	38.9 (1)		
		eS	22 52 08	LT	22	14.4 (1)		
		eLR	23 00 32	LZ	28	81.4 (1)		
		eL	23 04 30	LZ	23	84.8 (1)		
		eL	23 04 30	LR	23	65.5 (1)		
		eL	23 04 30	LT	22	55.6 (1)		
24	WI	eP	22 45 11.5	Z	0.8	3.9 (0)	61.0	4.55
24	DH	eLR	22 48 45	LZ	25	17.1 (2)	29.0	
		eL	22 49 42	LZ	24	14.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	22 49 42	LR	23	10.5 (2)		
		eL	22 49 42	LT	25	72.8 (1)		
24	MN	eLR	23 06 10	LZ	22	69.6 (1)	62.0	
							AVG.	4.58
24	23 29 35.9		53.6 N 164.3 W FOX-ALEUTIAN ISLANDS H =033 KM MAG 4.30- CGS					
24	WI	eP	23 36 13.3	Z	0.8	3.2 (0)	33.0	4.28
24	MN	eP	23 36 25.7	Z	0.7	1.2 (0)	35.0	3.95
							AVG.	4.11
25	00 43 24.3		08.7 S 112.6 E NEAR SOUTH COAST OF JAVA H =106 KM					
25	02 38 19.*		07.6 S 112.3 E NEAR SOUTH COAST OF JAVA H =033 KM					
25	SJ	eP#2	02 58 07.0	Z	0.8	48.3 (0)	145.0	
25	DH	eP#2	02 58 08.0	Z	0.7	29.9 (0)	145.0	
25	04 49 51.5		15.0 N 122.7 E EAST COAST OF LUZON, P.I. H =058 KM					
25	07 18 47.*		51.1 N 159.8 E COAST OF KAMCHATKA H =040 KM					
25	WI	eP	07 28 19.3	Z	1.2	5.1 (0)	55.0	4.43
		e	07 28 27	Z	1.0	8.8 (0)		
25	MN	eP	07 28 26.7	Z	0.8	0.9 (0)	57.0	3.89
		e	07 28 37	Z	1.0	5.9 (0)		
		e	07 29 06	Z	1.0	3.3 (0)		
							AVG.	4.16
25	07 23 53.*		72.3 N 005.5 E GREENLAND SEA H =033 KM					
25	08 08 20.1		28.1 S 065.4 W SAN LUIS PROV., ARGENTINA H =032 KM MAG 5.30- CGS					
25	SJ	eP	08 18 50.7	Z	0.9	47.0 (0)	64.0	5.62

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	DH	eP	08 19 39.5	Z	0.9	30.8 (0)	71.0	5.33
		e	08 19 47	Z	0.7	19.9 (0)		
25	LC	eP	08 19 41.1	Z	1.0	23.9 (0)	72.0	5.18
		e	08 19 46	Z	1.0	39.4 (0)		
		e	08 19 51	Z	0.8	11.3 (0)		
25	NG	eP	08 20 07.0	Z	0.8	8.4 (0)	76.0	4.82
25	CP	eP	08 20 14.3	Z	1.0	10.0 (0)	77.0	4.80
25	FM	eP	08 20 28.3	Z	1.2	47.7 (0)	80.0	5.26
		e	08 20 34	Z	1.1	55.3 (0)		
25	MN	eP	08 20 41.2	Z	1.2	11.6 (0)	83.0	4.89
		e	08 22 00	Z	1.2	5.1 (0)		
25	WI	eP	08 20 49.5	Z	1.1	19.2 (0)	84.0	5.14
		e	08 21 12	Z	1.2	11.9 (0)		
		e	08 22 09	Z	1.3	10.6 (0)		
25	MV	eP	08 20 52.7	Z	1.0	3.2 (0)	85.0	4.41
							AVG.	5.05
25	08 58 40.8		12.2 N 088.2 W OFF COAST OF EL SALVADOR H =033 KM MAG 4.20- CGS					
25	SJ	eP	09 02 51.0	Z	0.9	11.7 (1)	18.0	5.04
		eP	09 02 52	LZ	11	11.7 (2)		
		e	09 03 15	Z	0.8	60.3 (0)		
		e	09 04 35	LZ	12	56.3 (1)		
		e	09 04 57	Z	0.6	25.6 (0)		
		eS	09 06 15	LT	11	20.1 (2)		
		eS	09 06 15	LR	11	11.8 (2)		
		eL	09 10 55	LR	22	21.2 (2)		
		eL	09 14 57	LR	18	33.4 (2)		
		eL	09 14 57	LT	17	21.4 (2)		
		e	09 16 47	LT	15	43.5 (2)		
25	LC	eP	09 04 15.5	Z	0.5	1.8 (0)	26.0	3.92
		e	09 06 02	Z	0.7	2.3 (0)		
		eL	09 13 15	LT	20	36.0 (1)		
		eL	09 19 15	LZ	15	28.4 (1)		
		eL	09 19 15	LR	15	47.3 (1)		
25	CP	eP	09 05 14.8	Z	0.7	2.1 (0)	33.0	4.15
		e	09 06 03	Z	1.0	4.2 (0)		
		eL	09 17 40	LR	18	11.7 (2)		
25	NG	eP	09 05 17.3	Z	999.9	99.9 (9)	33.0	
		eL	09 15 50	LZ	25	39.8 (1)		
		eL	09 20 55	LZ	16	31.1 (1)		
		eL	09 20 55	LR	17	42.7 (1)		
		eL	09 20 55	LT	18	35.6 (1)		
25	MN	eP	09 05 50.3	Z	0.8	1.4 (0)	37.0	3.83
		ePP	09 07 15	Z	1.2	5.1 (0)		
		ePCP	09 08 11	Z	0.8	1.9 (0)		
		eL	09 20 00	LT	24	10.1 (2)		
		eL	09 22 50	LR	18	48.4 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	09 25 05	LZ	14	17.9 (2)		
		eL	09 22 50	LT	18	15.3 (2)		
25	WI	eP	09 06 03.3	Z	0.7	1.6 (0)	39.0	3.87
		e	09 08 29	Z	1.2	5.1 (0)		
		eL	09 19 10	LZ	18	34.3 (1)		
		eL	09 22 15	LZ	15	76.0 (1)		
		eL	09 22 15	LR	15	10.2 (2)		
25	FM	eL	09 17 32	LR	23	25.4 (1)	34.0	
		eL	09 22 57	LZ	15	63.4 (1)		
		eL	09 22 57	LR	15	17.4 (1)		
		eL	09 22 57	LT	17	68.0 (1)		
25	MV	eL	09 20 25	LT	27	44.7 (1)	40.0	
		eL	09 22 25	LR	18	39.3 (1)		
		eL	09 22 25	LT	22	97.6 (1)		
							AVG.	4.16

25 09 11 23.7 10.4 N 121.8 E NEAR W. COAST PANAY, P.I.
H =046 KM MAG 4.50- CGS

25 15 54 34.8 62.5 N 150.1 W ALASKA
H =033 KM MAG 4.10- CGS

25 17 11 01.7 24.4 N 123.4 E NEAR E. COAST OF FORMOSA
H =033 KM MAG 5.30- CGS

25	MV	eP	17 24 12.5	Z	999.9	99.9 (9)	93.0		
		eL	17 54 15	LZ	28	80.0 (1)			
		eL	17 57 18	LZ	25	70.4 (1)			
		eL	17 57 18	LR	24	53.3 (1)			
25	WI	eP	17 24 17.9	Z	1.0	11.1 (0)	94.0		5.17
		e	17 31 32	LZ	15	46.3 (1)			
25	MN	eP	17 24 24.0	Z	0.5	1.9 (0)	95.0		4.78
		e	17 28 58	Z	1.2	7.7 (0)			
25	TF	eP	17 24 28.6	Z	0.5	4.4 (0)	96.0		5.25
		eL	17 56 26	LZ	23	14.7 (2)			
		eL	17 58 48	LZ	20	14.8 (2)			
		eL	17 58 48	LR	23	88.6 (1)			
		eL	17 58 48	LT	22	15.0 (2)			
25	CP	eP	17 24 51.2	Z	1.0	4.2 (0)	100.0		5.03
		e	17 25 02	Z	1.3	19.2 (0)			
25	LC	ePP	17 29 29.7	Z	1.0	3.5 (0)	106.0		
		eSKS	17 35 52	LR	18	16.8 (1)			
		ePS	17 38 47	LR	22	31.2 (1)			
		ePPS	17 39 55	LR	22	24.3 (1)			
		eP	17 41 01.2	Z	1.0	5.9 (0)			
		eL	18 01 40	LZ	30	64.1 (1)			
		eL	18 11 07	LR	22	48.6 (1)			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	18 11 07	LZ	20	49.1 (1)		
		eL	18 11 07	LT	20	20.0 (1)		
25	NG	eL	17 58 45	LR	35	48.5 (1)	105.0	
		eL	18 11 40	LZ	22	10.9 (2)		
		eL	18 11 40	LT	23	92.8 (1)		
25	FM	eL	17 59 35	LZ	32	58.0 (1)	98.0	
		eL	18 01 38	LZ	25	57.1 (1)		
		eL	18 01 38	LR	25	22.9 (1)		
		eL	18 01 38	LT	25	66.8 (1)		
25	SJ	eL	18 07 10	LR	22	90.3 (1)	114.0	
		eL	18 14 35	LR	18	12.8 (2)		
		eL	18 14 35	LT	18	17.7 (2)		
							AVG.	5.06

25 18 45 15.1 42.8 N 109.0 W WYOMING
H =033 KM MAG 4.30- CGS

25	FM	eP	18 46 19.5	Z	0.3	2.4 (0)	4.3		4.01
		e	18 46 31	Z	0.5	9.1 (0)			
		eL	18 47 26	R	0.5	30.4 (0)			
25	WI	eP	18 46 57.9	Z	0.2	1.5 (0)	6.0		4.30
25	MN	eP	18 47 14.7	Z	0.7	1.6 (0)	8.0		4.18
							AVG.		4.16

25 19 21 49.6 19.5 N 121.8 E COAST OF N. LUZON, P. I.
H =033 KM MAG 3.90- CGS

25 23 45 16.8 15.5 N 121.3 E CENTRAL LUZON, P. I.
H =033 KM MAG 4.30- CGS

26 02 13 20.5 19.3 N 121.0 E COAST OF LUZON, P. I.
H =056 KM MAG 4.30- CGS

26 07 52 13.6 12.8 N 144.1 E MARIANA ISLANDS
H =098 KM

26 16 30 13.* 12.4 N 087.4 W COAST OF NICARAGUA
H =033 KM MAG 4.20- CGS

26	LC	eP	16 35 50.0	Z	999.9	99.9 (9)	27.0		
26	MN	eP	16 37 26.1	Z	1.0	1.6 (0)	38.0		3.79

26 20 14 08.7 07.5 S 146.2 E EAST NEW GUINEA
H =171 KM MAG 7.25-7.50 PAS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	MV	eP	20 27 20.8	Z	0.9	19.8 (1)	97.0	6.50
		epP	20 28 04	Z	999.9	99.9 (9)		
		ePP	20 31 15	Z	1.6	57.8 (1)		
		eSKS	20 37 42	R	999.9	99.9 (9)		
		eSKKS	20 38 09	T	3.4	75.1 (1)		
		e	20 38 32	T	3.7	10.6 (2)		
		ePS	20 39 45	R	3.8	96.2 (1)		
		e	20 43 35	Z	1.4	46.0 (0)		
		eP'P'P'	21 14 21	Z	2.0	60.4 (0)		
26	TF	eP	20 27 25.0	Z	999.9	99.9 (9)	97.0	
		eP	20 27 25	LZ	18	12.3 (2)		
		epP	20 28 00	Z	999.9	99.9 (9)		
		ePP	20 31 15	LR	999.9	99.9 (9)		
		ePP	20 31 16	Z	999.9	99.9 (9)		
		eSKS	20 37 29	LR	999.9	99.9 (9)		
		eSKS	20 37 46	T	4.0	18.2 (2)		
		eSKKS	20 38 12	T	999.9	99.9 (9)		
		ePKKP	20 44 32	Z	2.0	30.7 (1)		
26	MN	iP	20 27 32.1D	Z	999.9	99.9 (9)	99.0	
		eP	20 27 33	LZ	999.9	99.9 (9)		
		epP	20 28 12	Z	999.9	99.9 (9)		
		e	20 31 06	Z	999.9	99.9 (9)		
		ePP	20 31 34	Z	999.9	99.9 (9)		
		e	20 36 01	Z	999.9	99.9 (9)		
		eSKS	20 37 56	R	999.9	99.9 (9)		
		eSKKS	20 38 08	T	3.2	71.9 (1)		
		ePKKP	20 44 25	Z	999.9	99.9 (9)		
		eP'P'	20 52 10	Z	2.0	10.5 (1)		
		eSKKKS	20 54 52	R	2.7	61.1 (1)		
		eP'P'P'	21 14 01	Z	3.8	26.9 (1)		
26	WI	eP	20 27 34.6	Z	999.9	99.9 (9)	100.0	
		eP	20 27 35	LZ	999.9	99.9 (9)		
		e	20 31 31	Z	999.9	99.9 (9)		
		ePP	20 31 35	LT	999.9	99.9 (9)		
		eSKS	20 37 57	T	999.9	99.9 (9)		
		ePKKP	20 44 14	Z	1.5	14.6 (1)		
		eP'P'1	20 52 05	Z	999.9	99.9 (9)		
		eP'P'2	20 52 55	Z	2.0	12.4 (1)		
		eP'P'P'	21 13 48	Z	3.5	47.9 (1)		
26	CP	eP	20 27 38.5	Z	0.8	12.4 (1)	100.0	6.45
		eP	20 27 40	LZ	18	44.8 (2)		
		epP	20 28 23	Z	1.3	15.0 (1)		
		ePP	20 31 40	Z	999.9	99.9 (9)		
		ePP	20 31 40	LZ	15	72.1 (2)		
		e	20 37 02	LT	999.9	99.9 (9)		
		eSKS	20 38 03	T	3.4	22.8 (2)		
		eSKKS	20 38 36	T	4.1	18.9 (2)		
		ePS	20 40 52	T	999.9	99.9 (9)		
		ePKKP1	20 43 56	Z	1.5	63.7 (0)		
		ePKKP2	20 44 19	Z	1.0	43.3 (0)		
		eP'P'	20 52 02	Z	2.5	12.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	FM	eP	20 27 52.8	Z	1.1	14.2 (1)	104.0	6.81
		eP	20 27 53	LZ	20	26.1 (2)		
		epP	20 28 37	Z	1.1	92.3 (0)		
		ePP	20 32 06	Z	2.0	36.1 (1)		
		ePP	20 32 07	LZ	23	99.9 (9)		
		eSKS	20 38 15	LR	999.9	99.9 (9)		
		eSKS	20 38 19	R	3.3	13.1 (2)		
		eSKKS	20 39 00	R	2.9	69.0 (1)		
		eSP	20 41 05	Z	6.0	55.8 (2)		
		e	20 51 45	Z	2.0	85.0 (0)		
26	LC	ePD	20 28 15.8	Z	1.0	38.2 (0)	108.0	
		ePD	20 28 17	LZ	21	28.0 (2)		
		epP	20 29 00	Z	999.9	99.9 (9)		
		eP'	20 32 20	Z	999.9	99.9 (9)		
		ePP	20 32 42	LZ	999.9	99.9 (9)		
		ePP	20 32 45	Z	999.9	99.9 (9)		
		epPP	20 33 41	Z	4.2	24.1 (2)		
		e	20 35 50	LZ	24	34.0 (2)		
		eSKS	20 38 41	R	3.3	11.2 (2)		
		eSKKS	20 39 33	R	3.4	54.8 (1)		
		eSP	20 41 59	Z	4.2	10.8 (2)		
		ePKKP1	20 43 29	Z	999.9	99.9 (9)		
		ePKKP2	20 43 44	Z	1.0	40.1 (1)		
		epPKKP	20 44 34	Z	0.8	26.8 (0)		
		epSKKP	20 47 37	Z	1.9	30.5 (1)		
		eP'P'	20 51 19	Z	2.3	22.8 (1)		
		eSKKKS	20 54 08	R	2.0	75.3 (0)		
		e	21 26 28	Z	2.0	37.3 (0)		
26	SJ	ePD	20 28 50	LZ	15	18.0 (2)	116.0	
		eP'	20 32 35.0	Z	0.7	30.6 (0)		
		ePP	20 33 36	Z	1.5	30.1 (1)		
		e	20 40 26	R	2.5	14.0 (2)		
		ePKKP	20 43 07	Z	999.9	99.9 (9)		
		e	20 46 42	Z	1.5	36.2 (1)		
26	NG	ePD	20 29 05	LZ	999.9	99.9 (9)	120.0	
26	DH	eP'	20 32 59.0	Z	1.2	30.9 (1)	130.0	
		e	20 33 02	LZ	999.9	99.9 (9)		
		epP'	20 33 44	Z	999.9	99.9 (9)		
		ePP	20 35 05	LZ	999.9	99.9 (9)		
		ePP	20 35 11	Z	1.8	14.3 (2)		
		epPP	20 36 05	Z	999.9	99.9 (9)		
		e	20 43 06	LT	18	55.8 (2)		
		eSP	20 45 42	Z	2.0	37.7 (1)		
		e	20 49 31	Z	2.0	31.4 (1)		
		e	20 52 42	LR	999.9	99.9 (9)		
						AVG.		6.58

26 23 23 19.5 39.1 S 075.1 W NEAR COAST OF S. CHILE
H =033 KM MAG 4.70- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	LC	eP	23 35 11.0	Z	1.0	11.9 (0)	77.0	4.87
27	00 10 07.6		01.0 S 078.8 W ECUADOR					
			H =089 KM MAG 4.10 CGS					
27	MN	eP	00 19 21.8	Z	1.0	5.0 (0)	53.0	4.49
27	04 30 00.8		06.0 S 149.4 E NEW BRITAIN REGION					
			H =052 KM MAG 6.50-6.75 PAL					
27	MV	eP	04 43 14.6	Z	0.5	1.8 (0)	93.0	4.72
		eP	04 43 15	LZ	23	31.4 (2)		
		ePP	04 47 01	LZ	21	15.3 (2)		
		eSKS	04 53 50	LR	20	30.9 (2)		
		eS	04 54 14	R	2.3	94.3 (0)		
		ePS	04 55 37	LR	22	99.9 (9)		
		eSS	05 00 50	LR	24	99.9 (9)		
		e	05 04 45	LZ	24	53.6 (2)		
		eSKKS	05 07 10	LR	28	33.1 (2)		
		eLQ	05 08 27	LT	41	99.9 (9)		
		eLR	05 12 43	LZ	999.9	99.9 (9)		
27	TF	eP	04 43 20.0	Z	0.8	4.8 (0)	94.0	4.93
		eP	04 43 16	LZ	999.9	99.9 (9)		
		ePP	04 47 08	LZ	20	26.4 (2)		
		eSKS	04 53 40	LR	999.9	99.9 (9)		
		eSS	05 00 20	LT	26	64.3 (2)		
		e	05 04 00	LZ	32	60.3 (2)		
		eLQ	05 08 35	LT	42	19.1 (3)		
		eLR	05 13 13	LZ	999.9	99.9 (9)		
27	MN	eP	04 43 27.0	Z	1.0	5.0 (0)	96.0	5.00
		eP	04 43 26	LZ	22	28.6 (2)		
		e	04 45 40	LZ	21	10.0 (2)		
		ePP	04 47 25	LZ	20	25.8 (2)		
		eSKS	04 54 20	LR	18	27.1 (2)		
		eSKS	04 54 29	Z	2.0	42.1 (0)		
		ePS	04 56 10	LR	25	80.3 (2)		
		eSS	05 01 27	LR	999.9	99.9 (9)		
		eSSS	05 04 40	LT	25	39.8 (2)		
		eLQ	05 09 12	LT	999.9	99.9 (9)		
		eLR	05 13 40	LZ	999.9	99.9 (9)		
27	WI	eP	04 43 32.0	Z	1.1	4.1 (0)	96.0	4.87
		eP	04 42 32	LZ	23	27.4 (2)		
		ePP	04 47 19	LZ	21	29.1 (2)		
		e	04 48 50	LZ	19	12.4 (2)		
		eSKS	04 54 20	LT	18	40.7 (2)		
		eS	04 54 53	LR	28	99.9 (9)		
		ePS	04 56 00	LT	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	04 58 58	LZ	20	99.9 (9)		
		eSS	05 01 53	LT	27	99.9 (9)		
		eSSS	05 05 05	LT	21	99.9 (9)		
		e	05 07 33	LR	23	38.8 (2)		
		eLQ	05 10 17	LR	999.9	99.9 (9)		
27	CP	eP	04 43 33.6	Z	0.7	3.5 (0)	97.0	5.05
		eP	04 43 36	LZ	21	30.0 (2)		
		ePP	04 47 20	LZ	21	21.2 (2)		
		e	04 53 35	LR	20	13.1 (2)		
		e	04 54 17	LT	18	43.1 (2)		
		ePS	04 56 20	LT	22	99.9 (9)		
		eSS	05 01 40	LR	28	65.2 (2)		
		eSSS	05 05 46	LR	25	49.5 (2)		
		eLQ	05 10 25	LR	34	16.7 (3)		
		eLR	05 14 20	LZ	999.9	99.9 (9)		
27	FM	eP	04 43 47	LZ	22	17.8 (2)	100.0	
		ePP	04 47 42	LZ	23	19.0 (2)		
		eSKS	04 54 25	LR	22	28.5 (2)		
		eS	04 55 27	LT	30	43.5 (2)		
		ePS	04 56 52	LR	27	99.9 (9)		
		e	05 00 50	LR	20	20.4 (2)		
		eSS	05 02 12	LT	32	99.9 (9)		
		eSSS	05 06 00	LT	32	75.3 (2)		
		e	05 08 56	LT	25	41.9 (2)		
		eLQ	05 12 08	LT	41	99.9 (9)		
		eLR	05 16 27	LR	999.9	99.9 (9)		
27	LC	ePD	04 44 13	LZ	22	17.4 (2)	105.0	
		ePP	04 48 30	LZ	24	23.9 (2)		
		e	04 49 55	LZ	20	88.1 (0)		
		ePPP	04 50 48	LZ	22	12.6 (1)		
		eSKS	04 54 47	LR	22	30.2 (2)		
		eS	04 56 20	LT	26	48.2 (2)		
		ePS	04 57 50	LR	999.9	99.9 (9)		
		ePPS	04 58 50	LR	26	99.9 (9)		
		ePKKP	05 00 06.5	Z	0.8	3.5 (0)		
		eSS	05 03 40	LR	35	99.9 (9)		
		eSSS	05 07 03	LR	999.9	99.9 (9)		
		eLQ	05 13 43	LT	999.9	99.9 (9)		
		eLR	05 16 50	LZ	33	49.3 (2)		
27	SJ	ePD	04 44 53	LZ	20	15.2 (2)	112.0	
		ePP	04 49 23	LZ	21	99.9 (9)		
		eSKS	04 55 00	LR	20	30.0 (2)		
		eS	04 56 42	LR	18	21.5 (2)		
		e	04 57 26	LT	23	34.0 (2)		
		ePS	04 59 10	LR	25	99.9 (9)		
		e	05 06 00	LR	33	99.9 (9)		
		eSSS	05 09 00	LR	999.9	99.9 (9)		
		eLR	05 22 50	LZ	999.9	99.9 (9)		
27	NG	ePD	04 45 00	LZ	22	76.6 (1)	117.0	
		ePP	04 49 50	LZ	22	99.9 (9)		
		eSKS	04 55 38	LR	23	10.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKKS	04 56 57	LR	19	17.3 (2)		
		ePS	04 59 30	LT	24	99.9 (9)		
		eSS	05 06 08	LR	32	99.9 (9)		
		eSSS	05 09 52	LR	999.9	99.9 (9)		
		e	05 13 43	LR	30	45.5 (2)		
		e	05 17 23	LR	26	36.0 (2)		
		eLQ	05 19 08	LR	43	99.9 (9)		
		eLR	05 24 28	LZ	999.9	99.9 (9)		
27	DH	eP	04 49 10	LZ	20	73.2 (1)	127.0	
		ePP	04 51 00	LZ	22	33.6 (2)		
		ePKS	04 52 16	LR	21	33.4 (2)		
		ePS	05 01 46	LR	18	14.6 (2)		
		e	05 03 36	LR	26	54.3 (2)		
		eSS	05 08 25	LR	45	99.9 (9)		
		eSSS	05 13 10	LT	35	65.7 (2)		
		e	05 21 40	LZ	30	69.0 (2)		
		eLQ	05 24 45	LT	40	19.3 (3)		
		eLR	05 28 32	LZ	33	82.4 (2)		
							AVG.	4.91

27 05 07 11.5 14.5 S 173.1 W SAMOA ISLANDS
H =131 KM MAG 4.40- CGS

27	LC	eP	05 19 01.5	Z	0.8	2.8 (0)	79.0	4.11

27 05 24 02.1 06.3 S 149.2 E NEW BRITAIN REGION
H =059 KM MAG 4.50- CGS

27 07 34 23.8 16.2 S 173.3 W TONGA ISLANDS REGION
H =033 KM MAG 5.40- CGS

27	MN	eP	07 46 04.2	Z	1.0	16.8 (0)	75.0	4.96
27	WI	eP	07 46 16.6	Z	0.7	3.8 (0)	77.0	4.54
27	FM	eP	07 46 28.4	Z	0.8	87.0 (0)	79.0	5.77
27	LC	eP	07 46 32.2	Z	0.9	6.4 (0)	80.0	4.52
							AVG.	4.94

27	CP	eP	09 14 07.3	Z	0.3	4.6 (0)	1.7	
		eS	09 14 30	T	999.9	99.9 (9)		

27 11 00 45.3 14.7 S 073.3 W SOUTHERN PERU
H =110 KM MAG 5.40- CGS

27	SJ	eP	11 09 20.9	Z	1.1	10.2 (1)	49.0	5.61

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	LC	eP	11 10 19.0	Z	1.1	17.7 (0)	57.0	4.97
		epP	11 10 46	Z	0.9	8.2 (0)		
27	DH	eP	11 10 19.6	Z	1.2	46.4 (0)	57.0	5.35
		epP	11 10 40	Z	1.0	40.2 (0)		
27	NG	eP	11 10 57.0	Z	1.1	17.6 (0)	62.0	4.97
27	CP	eP	11 11 00.0	Z	999.9	99.9 (9)	63.0	
27	FM	eP	11 11 15.1	Z	1.4	43.7 (1)	65.0	6.17
		epP	11 11 42	Z	1.3	42.4 (1)		
27	MN	eP	11 11 32.1	Z	1.6	26.1 (0)	67.0	4.89
		epP	11 11 57	Z	1.2	20.7 (0)		
27	WI	eP	11 11 41.9	Z	1.0	36.6 (0)	69.0	5.15
		epP	11 12 09	Z	1.0	33.3 (0)		
							AVG.	5.30

27	MN	eP	12 34 03.4	Z	999.9	99.9 (9)		

27 16 01 11.2 16.9 N 100.5 W COAST OF GUERRERO, MEXICO
H =033 KM MAG 4.50- CGS

27	LC	eP	16 05 03.5	Z	0.7	16.0 (0)	16.0	4.29
27	CP	eP	16 05 56.5	Z	1.0	8.6 (0)	21.0	4.03
27	MN	eP	16 06 47.1	Z	1.0	6.7 (0)	26.0	4.19
27	WI	eP	16 07 04.8	Z	0.9	5.1 (0)	28.0	4.28
27	SJ	eLQ	16 07 05	LT	32	20.8 (2)	11.0	
27	FM	eLQ	16 13 44	LR	18	11.4 (2)	24.0	
							AVG.	4.20

27	CP	eP	16 45 24.1	Z	999.9	99.9 (9)		

27 17 28 00.6 38.1 N 069.6 E TADZHIK, S.S.R.
H =157 KM MAG 3.90- CGS

27	LC	eP	18 27 01.4	Z	0.2	10.8 (0)	1.4	
		e	18 27 09	Z	0.5	3.1 (0)		
		eS	18 27 18	T	0.4	4.2 (0)		

27 20 28 34.9 04.6 S 152.9 E NEW BRITAIN
H =100 KM MAG 5.00- CGS

27	MN	eP	20 41 35.0	Z	1.0	3.3 (0)	92.0	4.62
		eLR	21 10 49	LZ	29	16.4 (2)		
27	MV	eLR	21 09 36	LZ	26	17.7 (2)	90.0	
27	TF	eLR	21 09 42	LZ	27	11.4 (2)	90.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	WI	eLR	21 11 42	LZ	25	97.1 (1)	93.0	
		eL	21 13 50	LZ	25	97.1 (1)		
		eL	21 13 50	LT	25	75.6 (1)		
27	FM	eLR	21 13 25	LZ	28	11.9 (2)	97.0	
		eL	21 15 30	LZ	26	11.7 (2)		
		eL	21 15 30	LR	25	74.0 (1)		
		eL	21 15 30	LT	25	97.6 (1)		
27	21 11 32.5		05.6 S 079.3 W	NORTHERN PERU				
			H =033 KM					
27	NG	eP	21 20 40.2	Z	0.9	14.6 (0)	52.0	4.94
27	WI	eP	21 21 24.0	Z	0.9	2.5 (0)	58.0	4.25
							AVG.	4.59
27	23 10 38.2		06.2 S 149.2 E	NEW BRITAIN REGION				
			H =059 KM MAG	4.50-	CGS			
27	23 36 20.4		54.8 N 161.6 W	ALASKA PENINSULA				
			H =033 KM MAG	5.30-	CGS			
27	WI	eP	23 42 44.1	Z	0.7	3.3 (0)	32.0	4.30
27	MN	eP	23 42 57.1	Z	0.8	0.9 (0)	33.0	3.76
27	LC	eP	23 44 40.0	Z	1.1	5.9 (0)	44.0	4.22
27	NG	iP	23 44 40.0C	Z	0.6	31.8 (0)	46.0	5.45
							AVG.	4.44
28	01 06 32.9		45.9 N 146.1 E	KURILE ISLANDS				
			H =100 KM MAG	4.70-	CGS			
28	MN	eP	01 17 18.6	Z	0.7	2.9 (0)	67.0	4.32
28	01 31 13.2		16.3 S 066.0 E	INDIAN OCEAN				
			H =033 KM					
28	NG	eP'1	01 50 41.2	Z	1.0	14.4 (0)	144.0	
28	WI	eP'1	01 51 06.2	Z	999.9	99.9 (9)	155.0	
		eP'2	01 51 28	Z	0.9	5.1 (0)		
28	MN	eP'1	01 51 11.6	Z	999.9	99.9 (9)	158.0	
		eP'2	01 51 40	Z	0.8	3.9 (0)		
28	MV	eP'1	01 51 14.0	Z	999.9	99.9 (9)	156.0	
28	LC	eP'1	01 51 14.9	Z	999.9	99.9 (9)	163.0	

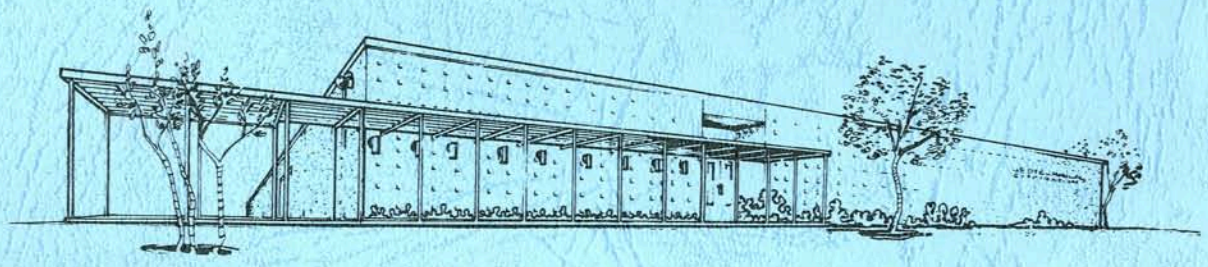
DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	CP	eP	01 38 40.4	Z	0.3	28.5 (0)	0.1	
		eS	01 38 43	T	0.3	42.4 (0)		
28	DH	eL	02 37 40	LZ	40	36.3 (2)		
28	NG	eL	02 43 35	LZ	35	16.0 (2)		
28	NG	eL	02 50 00	LZ	25	18.1 (2)		
28	NG	eL	02 50 00	LR	25	12.3 (2)		
28	NG	eL	02 50 00	LT	25	52.3 (1)		
28	SJ	eL	02 51 45	LZ	30	21.2 (2)		
28	LC	eLR	02 54 55	LZ	32	25.8 (2)		
28	FM	eL	02 55 10	LZ	30	11.6 (2)		
28	TF	eL	02 56 20	LZ	32	13.5 (2)		
28	CP	eL	02 58 50	LZ	25	12.1 (2)		
28	MN	eLR	02 58 50	LZ	30	33.4 (2)		
28	LC	eL	03 00 00	LZ	25	19.1 (2)		
28	LC	eL	03 00 00	LR	25	12.7 (2)		
28	LC	eL	03 00 00	LT	25	55.4 (1)		
28	WI	eL	03 03 25	LZ	24	18.9 (2)		
28	WI	eL	03 03 25	LR	22	11.4 (2)		
28	WI	eL	03 03 25	LT	25	14.8 (2)		
28	FM	eL	03 03 30	LZ	24	19.6 (2)		
28	FM	eL	03 03 30	LR	24	13.7 (2)		
28	FM	eL	03 03 30	LT	23	49.5 (1)		
28	MV	eL	03 07 15	LZ	23	99.9 (9)		
28	MN	eL	03 07 30	LZ	22	53.8 (2)		
28	MN	eL	03 07 30	LR	22	13.4 (2)		
28	MN	eL	03 07 30	LT	22	16.6 (2)		
28	06 15 09.5		38.2 N 141.7 E	NEAR COAST HONSHU, JAPAN				
			H =061 KM MAG	3.80-	CGS			
28	LC	eP	09 38 21.1	Z	0.8	2.7 (0)		
28	13 01 08.*		18.7 S 169.5 E	NEW HEBRIDES ISLANDS				
			H =245 KM					
28	CP	eP	14 15 07.5	Z	0.3	14.2 (0)	1.2	
		eS	14 15 23	R	0.3	18.5 (0)		
28	17 48 23.1		04.4 S 139.0 E	CENTRAL NEW GUINEA				
			H =037 KM MAG	5.60-	CGS			
28	CP	eP	18 50 02.0	Z	0.3	18.3 (0)	1.0	

			E	INST	PER	AMPL	DIST	MAG
		eS	18 50 15	T	0.3	35.5 (0)		
28	NG	eP	21 03 43.2	Z	0.3	12.0 (0)	0.1	
		eS	21 03 46	T	0.4	42.6 (0)		

Bulletin No. 15
March 1963

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No:	VT/074
ARPA Order No:	104-60
ARPA Code No:	8100
Contractor:	The Geotechnical Corporation Garland, Texas
Contract No:	AF 33(600)-41694

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10 July 1963

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SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at ten of the forty mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/074, Contract AF 33(600)-41694, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the forty teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM sites consists of a three-component Benioff short-period seismograph system and a three-component Sprengnether long-period seismograph system. Both systems use phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by fourteen-channel Magnetic Tape Recorders, Ampex Model 314.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G. C. T.).

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table.

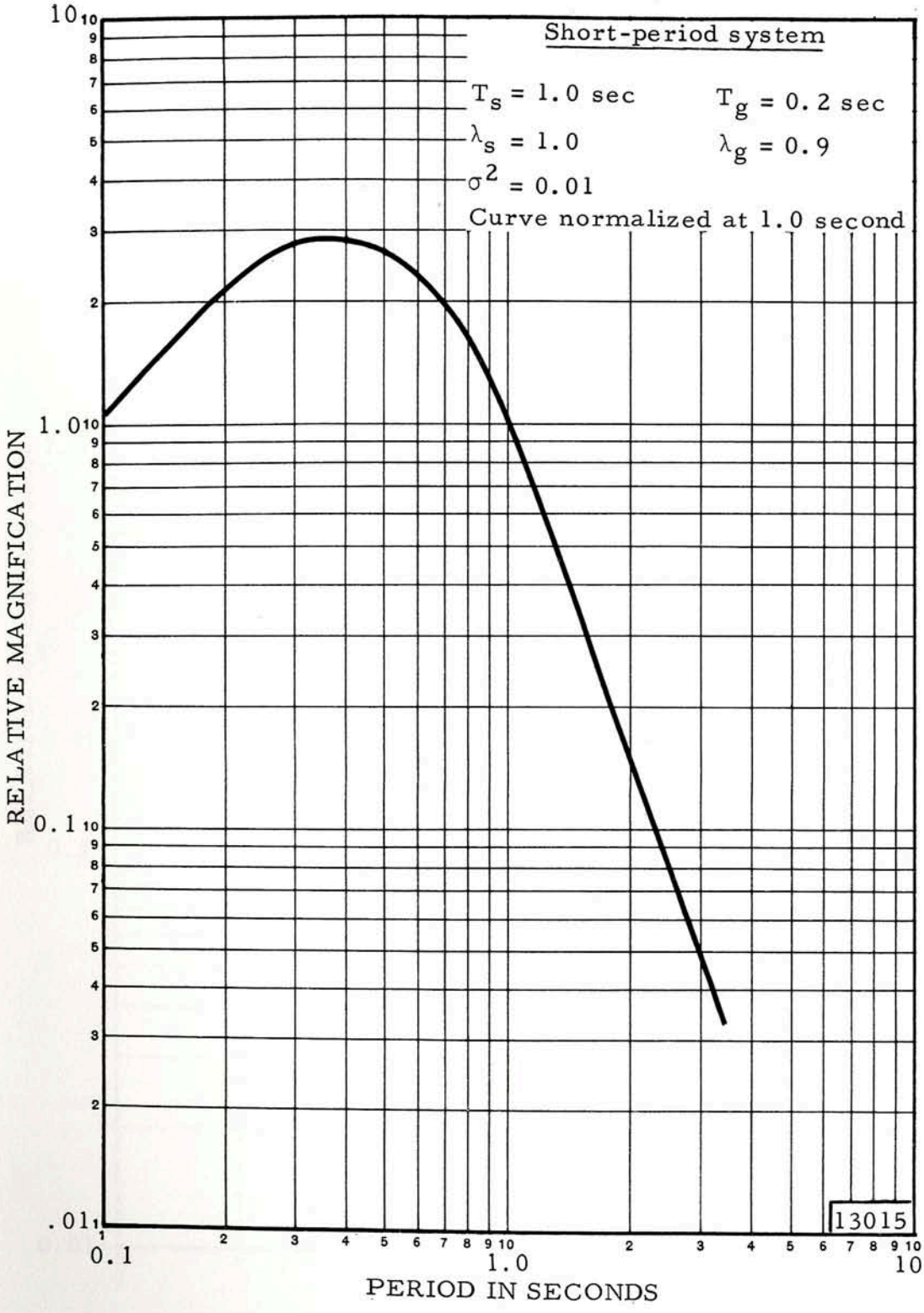


Figure 1. Frequency response of the short-period seismograph system

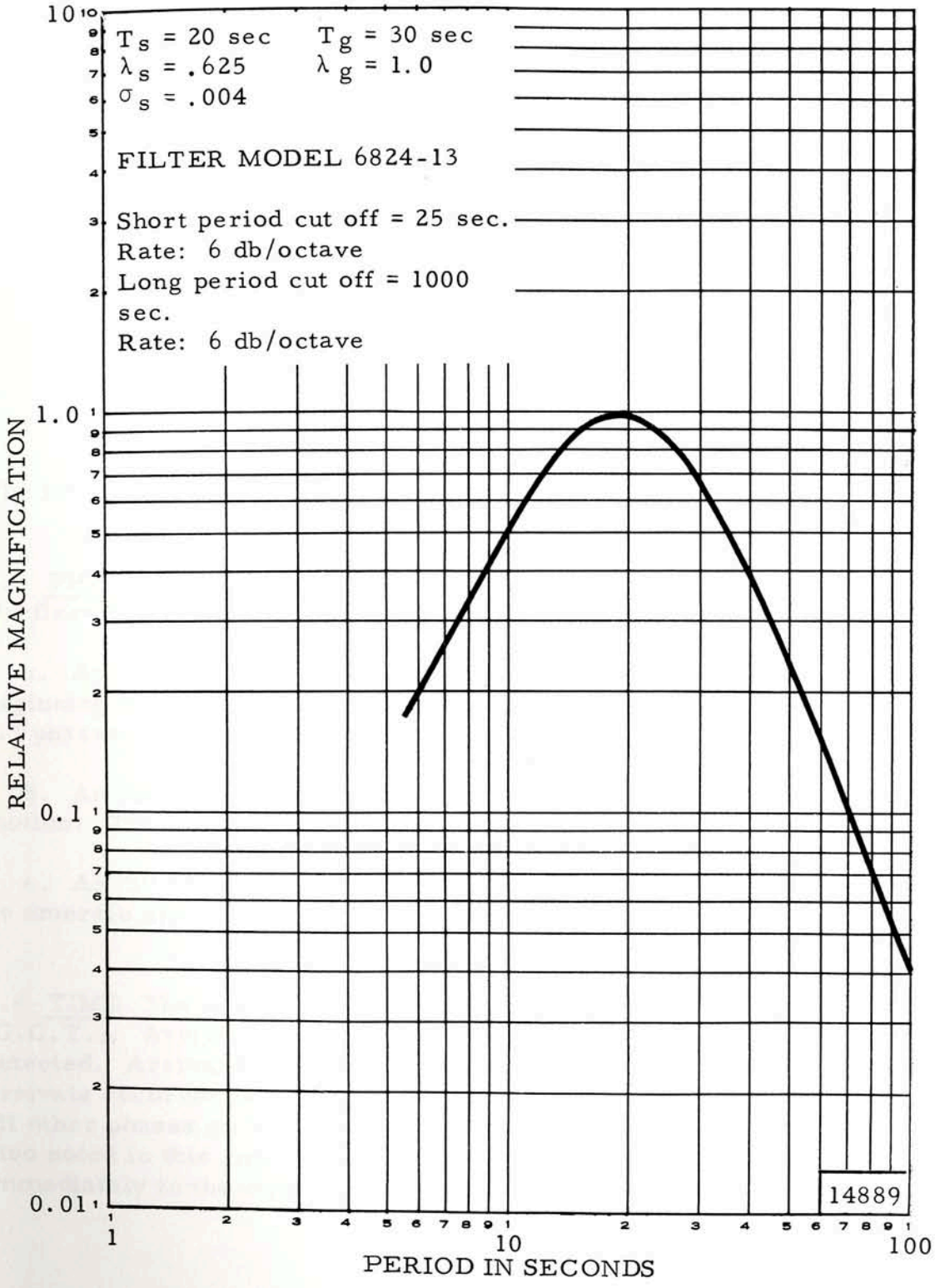


Figure 2. Frequency response of the long-period seismograph system

Station Designator	Location
SJ	San Jose, Texas
LC	Las Cruces, New Mexico
CP	Campo, California
MV	Marysville, California
WI	Winnemucca, Nevada
MN	Mina, Nevada
FM	Fillmore, Utah
NG	Niagara, Wisconsin
DH	Delhi, New York
TF	Taft, California

The locations of the stations are shown in figure 3.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (G.C.T.). Arrival times indicate that time at which phase motion is first detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

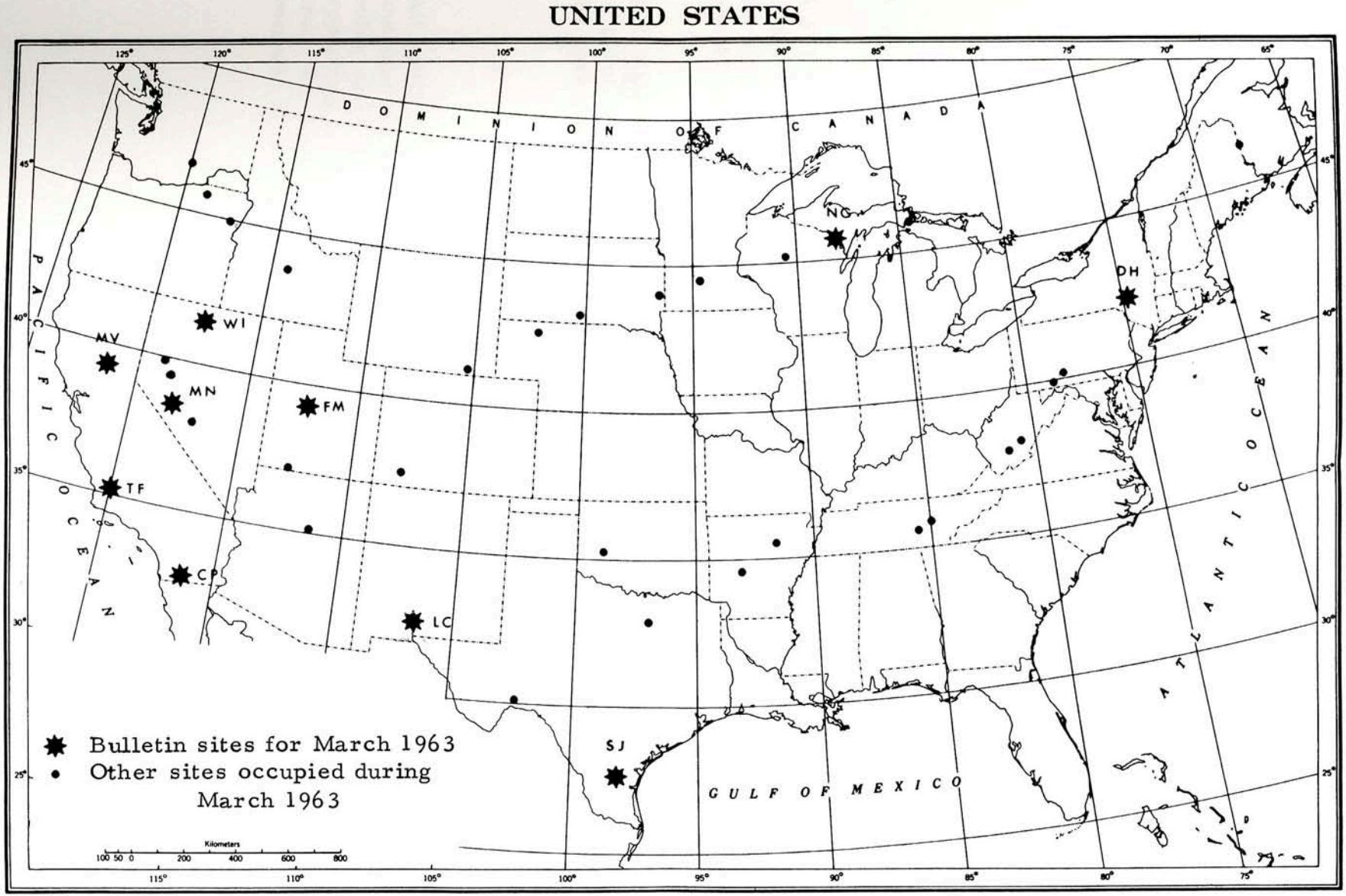


Figure 3. LRSM Program Sites

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given in the following table:

Z	Short-Period Vertical
R*	Short-Period Radial (horizontal)
T*	Short-Period Transverse (horizontal)
LZ	Long-Period Vertical
LR*	Long-Period Radial (horizontal)
LT*	Long-Period Transverse (horizontal)

* Refer to table 1 for Instrument Orientation.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

3.7 AMP This column contains the amplitude of the phase given in millimicrons of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$$30.0\ (2) = 30 \times 10^{2} = 3000\ m\mu$$
$$30.0\ (1) = 30 \times 10^{1} = 300\ m\mu$$
$$30.0\ (0) = 30 \times 10^{0} = 30.0\ m\mu$$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

LRSM SITE INFORMATION

Horizontal seismometer orientation

Azimuth from True North
in Degrees*

Site Designation	Site Location	Radial	Transverse	Site Coordinates in deg, min, sec	Elevation in km	Rock Type
SJ TX	San Jose, Texas	127	217	N 27 36 43 W 98 18 46	0.114	Limestone
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58	1.585	Limestone
CP CL	Campo, California	182	272	N 32 43 44 W 116 22 16	1.189	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35	0.183	Volcanics
WI NV	Winnemucca, Nevada	346	076	N 41 21 02 W 117 27 30	1.524	Limestone
MN NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.524	Limestone
FM UT	Fillmore, Utah	058	148	N 39 13 06 W 112 12 25	1.890	Limestone
NG WS	Niagara, Wisconsin	078	168	N 45 45 27 W 88 08 57	0.396	Granite
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18	0.652	Sandstone
TF CL	Taft, California	235	325	N 35 09 49 W 119 58 03	0.792	Sandstone

*When earth moves in direction shown, trace moves up.

3.8 DIST This is the distance from the recording station to the epicenter. All reported distances are calculated based on geocentric coordinates. Distance is given to the nearest 1/10 of a degree for distances up to six degrees. Beyond six degrees calculations are made to the nearest one degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases the major arc distance is given.

3.9 MAG The Unified Magnitude (m) of the earthquake is determined by:

$$m = \log_{10} A + B$$

where m = Unified magnitude

A = 1/2 P-P amplitude in millimicrons/second of the "P" phase (initial arrival)

B - Log function of distance and depth

These factors were obtained from the Gutenberg-Richter tables. Computations for distances less than 16^{o} are based on AFTAC extensions of Gutenberg's tables.[1] For this purpose, points from 10^{o} to 16^{o} were read from a curve in the Gutenberg-Richter paper and an inverse cube relationship was used to extrapolate from 2^{o} to 10^{o}.

The average magnitude (sum of station magnitudes/number of stations) is listed on the last line of an epicenter print-out.

When possible, magnitudes (m) are computed for foreshocks and aftershocks as well as for the main event.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

[1] Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Ann. Geofis., 9, pp. 1-15.

The notation AS located between these columns calls attention to an aftershock recorded following the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

First group:	day of the month
Second group:	origin time of the event
Third group:	geographic coordinates of the epicenter
Fourth group:	geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to $1/2^{o}$ in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group:	depth (h) of the hypocenter in kilometers
Second group:	magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), or Palisades (PAL)

NOTE

MAG. (CGS) is m_b of Gutenberg and Richter from the P phase only. The Magnitude quoted is an average value determined from data forwarded by cooperating Standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC/TD-1)
Attn: Captain N.G. Maddox
Washington 25, D.C.

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	00 25 57.4		34.8 N 119.3 W VENTURA CO., CALIFORNIA H =016 KM MAG 4.00- CGS					
1	03 20 02.4		35.7 N 059.9 E NORTHEASTERN IRAN H =033 KM MAG 4.80- CGS					
1	04 02 34.*		15.6 N 093.1 W NEAR COAST CHIAPAS, MEXICO H =033 KM MAG 4.40- CGS					
1	04 02 34.1		15.6 N 093.1 W CHIAPAS, MEXICO H =033 KM MAG 4.30- CGS					
1	04 39 34.3		18.2 S 177.9 W FIJI ISLANDS REGION H =568 KM MAG 4.60- CGS					
1	LC	eP	04 51 12.3	Z	1.0	10.2 (0)	85.0	4.41
1	MN	eP	06 23 04.8	Z	999.9	99.9 (9)	2.4	
		eS	06 23 35	T	0.5	62.3 (0)		
1	WI	eP	06 23 51.6	Z	999.9	99.9 (9)	4.6	
1	MV	eP	06 23 53.8	Z	999.9	99.9 (9)	5.0	
1	WI	eS	06 24 47	T	0.5	34.4 (0)	4.6	
1	MV	eS	06 24 53	T	0.4	2.3 (0)	5.0	
1	CP	eP	08 09 49.4	Z	0.3	32.1 (0)		
1	09 25 55.0		46.1 N 153.1 E KURILE ISLANDS REGION H =033 KM MAG 5.20- CGS					
1	09 30 43.2		35.8 N 023.1 E SOUTH OF GREECE H =156 KM					
1	10 45 55.7		41.2 N 142.9 E S. OF HOKKAIDO, JAPAN H =041 KM MAG 5.10- CGS					
1	MV	eP	10 57 01.5	Z	999.9	99.9 (9)	69.0	
		e	10 57 13	Z	1.0	11.7 (0)		
		eL	11 20 03	LZ	23	46.6 (1)		
1	TF	eP	10 57 29.0	Z	999.9	99.9 (9)	73.0	
		eL	11 20 55	LZ	22	10.6 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	FM	eP	10 57 34.3	Z	999.9	99.9 (9)	75.0	
		eS	11 07 10	LR	20	37.2 (1)		
		eS	11 07 10	LT	19	37.6 (1)		
		eL	11 24 50	LZ	22	66.8 (1)		
		eL	11 25 55	LZ	22	62.3 (1)		
		eL	11 25 55	LR	15	22.0 (1)		
		eL	11 25 55	LT	20	42.3 (1)		
1	LC	eP	10 58 17.1	Z	999.9	99.9 (9)	83.0	
		e	10 58 30	Z	1.0	14.3 (0)		
		eL	11 26 45	LR	22	21.4 (1)		
1	DH	eP	10 58 52.8	Z	999.9	99.9 (9)	90.0	
		e	10 59 04	Z	1.0	30.5 (0)		
		eL	11 34 57	LZ	24	71.8 (1)		
1	WI	eS	11 06 20	LR	11	11.4 (2)	70.0	
		eS	11 06 20	LT	22	38.5 (1)		
		eL	11 22 03	LZ	22	71.0 (1)		
1	MN	eLQ	11 15 00	LR	14	32.7 (1)	72.0	
		eLR	11 20 12	LZ	22	24.8 (1)		
1	CP	eL	11 22 37	LZ	20	88.4 (1)	76.0	
1	11 55 22.5		41.9 N 080.8 E SINKIANG PROVINCE, CHINA H =033 KM					
1	LC	ePKKP	12 25 28	Z	999.9	99.9 (9)	106.0	
1	14 32 20.*		42.2 N 141.2 E S. COAST HOKKAIDO, JAPAN H =033 KM MAG 4.50- CGS					
1	19 14 13.1		01.4 N 029.6 W ATLANTIC OCEAN H =033 KM					
1	DH	ePS	19 32 12	LR	27	19.4 (2)	57.0	
		eLQ	19 38 18	LT	32	20.2 (2)		
		eLR	19 41 10	LZ	23	19.3 (2)		
		eL	19 41 48	LZ	23	19.3 (2)		
		eL	19 41 48	LR	21	12.9 (2)		
1	NG	eS	19 34 07	LR	17	50.4 (1)	68.0	
		eS	19 34 15	LT	21	71.3 (1)		
		eLQ	19 43 38	LT	32	15.3 (2)		
		eLR	19 46 27	LZ	31	12.9 (2)		
1	SJ	eS	19 34 48	LT	20	86.8 (1)	71.0	
		eS	19 34 48	LR	12	84.2 (1)		
		eL	19 44 00	LR	27	16.1 (2)		
1	LC	eS	19 36 11	LR	30	87.2 (1)	78.0	
		eS	19 36 11	LT	23	26.7 (1)		
		eSS	19 41 20	LR	23	85.0 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	19 47 27	LT	33	12.0 (2)		
1	FM	e	19 36 54	LR	20	51.6 (1)	83.0	
		eSS	19 42 42	LR	23	70.7 (1)		
		eL	19 51 13	LR	30	77.5 (1)		
1	WI	eS	19 37 47	LT	21	48.2 (1)	87.0	
		eS	19 37 47	LR	11	71.5 (1)		
		eSS	19 43 41	LT	20	99.2 (1)		
		eL	19 57 12	LR	23	11.8 (2)		
1	MV	ePS	19 39 18	LR	20	44.0 (1)	90.0	
		e	19 44 35	LR	999.9	99.9 (9)		
		eL	19 55 00	LR	30	63.6 (1)		
1	MN	eSS	19 43 53	LT	29	68.6 (1)	88.0	
		eL	19 53 56	LT	28	11.0 (2)		
		eL	19 56 42	LZ	22	86.3 (1)		
		eL	19 56 42	LR	18	67.2 (1)		
		eL	19 56 42	LT	22	63.1 (1)		
1	CP	eL	19 58 07	LZ	28	78.0 (1)	87.0	
1	TF	eL	19 58 33	LZ	28	15.0 (2)	90.0	
1	LC	eP	20 29 23.8	Z	999.9	99.9 (9)	3.0	
		eS	20 30 02	T	0.4	6.0 (0)		
1	LC	eP	21 22 57.3	Z	0.3	46.8 (0)	1.6	
		eS	21 23 17	T	0.4	36.0 (0)		
1	23 03 30.7		22.9 N 144.2 E	VOLCANO ISLANDS REGION				
			H =072 KM MAG	4.40-	CGS			
2	00 20 32.3		05.1 S 144.3 E	N. E. NEW GUINEA				
			H =069 KM MAG	5.00-	CGS			
2	01 34 40.9		06.5 S 131.4 E	BANDA SEA				
			H =033 KM MAG	4.40-	CGS			
2	CP	eP	02 01 52.0	Z	0.4	0.9 (0)	4.3	
		e	02 02 06	Z	0.7	8.4 (0)		
		eS	02 02 44	T	0.7	8.1 (0)		
2	02 45 37.1		23.8 N 092.2 E	E. PAKISTAN-INDIA BORDER				
			H =036 KM MAG	4.20-	CGS			
2	05 39 07.4		01.8 S 143.6 E	NORTH OF NEW GUINEA				
			H =129 KM MAG	5.30-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	CP	eP	08 08 19.4	Z	999.9	99.9 (9)		
2	08 44 59.2		15.4 S 172.9 W	TONGA ISLANDS				
			H =065 KM MAG	4.50-	CGS			
2	MV	eP	09 36 03.2	Z	0.6	2.0 (0)		
2	WI	eP	09 36 11.1	Z	0.7	3.9 (0)		
2	MN	eP	09 36 20.0	Z	1.0	6.6 (0)		
2	FM	eP	09 36 40.4	Z	0.9	5.1 (0)		
2	NG	eP	09 37 28.1	Z	1.0	14.2 (0)		
2	LC	eP	09 37 28.8	Z	999.9	99.9 (9)		
2	MN	e	09 44 53	LR	14	43.5 (1)		
2	NG	e	09 46 55	LR	14	65.9 (1)		
2	SJ	e	09 48 40	LT	17	10.5 (2)		
2	MV	eLQ	09 51 20	LT	20	43.8 (1)		
2	MN	eLQ	09 52 17	LT	18	63.5 (1)		
2	SJ	eLQ	10 04 30	LT	19	14.5 (2)		
2	NG	eLQ	10 06 20	LR	20	49.5 (1)		
2	NG	eL	10 16 00	LZ	19	67.7 (1)		
2	NG	eL	10 16 00	LR	20	59.7 (1)		
2	NG	eL	10 16 00	LT	18	59.4 (1)		
2	11 12 01.3		46.0 N 153.0 E	KURILE ISLANDS REGION				
			H =033 KM					
2	MN	eP	11 22 26.5	Z	0.8	1.4 (0)	63.0	4.10
2	CP	eP	11 33 58.8	Z	0.3	15.2 (0)	1.0	
		eS	11 34 12	T	0.3	34.9 (0)		
2	16 05 00.*		48.1 N 152.9 E	KURILE ISLANDS				
			H =140 KM MAG	4.50-	CGS			
2	16 06 56.3		10.1 N 126.1 E	MINDANAO, P.I. REGION				
			H =092 KM MAG	4.00-	CGS			
2	17 27 38.3		10.0 N 126.0 E	MINDANAO PHILIPPINE IS.				
			H =067 KM MAG	3.90-	CGS			
2	19 41 55.4		06.8 N 073.0 W	COLOMBIA				
			H =173 KM MAG	4.10-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	LC	eP	19 49 18.9	Z	1.0	32.7 (0)	40.0	4.89
2	NG	eP	19 49 23.2	Z	0.5	10.7 (0)	41.0	4.71
							AVG.	4.80
2	21 50 34.9		07.1 S 128.5 E BANDA SEA					
			H =047 KM					
2	22 09 17.*		14.8 N 094.0 W OFF COAST CHIAPAS, MEXICO					
			H =033 KM MAG 4.10- CGS					
2	LC	iP	22 13 58.7D	Z	0.6	6.8 (0)	21.0	4.15
2	WI	eP	22 15 55.2	Z	0.8	6.6 (0)	33.0	4.58
		eLQ	22 37 39	LT	15	15.4 (2)		
							AVG.	4.37
2	22 16 35.4		17.1 S 175.0 W TONGA ISLANDS					
			H =240 KM MAG 5.10- CGS					
2	WI	eP	22 28 13.6	Z	0.8	9.3 (0)	79.0	4.60
2	LC	iP	22 28 20.4D	Z	0.9	40.9 (0)	82.0	5.19
2	FM	eP	22 28 23.4	Z	1.0	13.4 (0)	82.0	4.66
							AVG.	4.82
3	01 48 09.4		36.7 N 071.4 E HINDU KUSH					
			H =209 KM MAG 4.30- CGS					
3	02 08 14.6		20.4 S 069.0 W NORTHERN CHILE					
			H =110 KM MAG 4.30- CGS					
3	FM	eP	02 19 28.5	Z	0.6	5.7 (0)	72.0	4.57
		epP	02 19 56	Z	0.8	8.1 (0)		
3	WI	eP	02 19 52.7	Z	0.7	7.5 (0)	76.0	4.62
		epP	02 20 21	Z	0.7	16.8 (0)		
							AVG.	4.59
3	WI	eP	07 34 12.3	Z	0.5	2.5 (0)		
3	09 39 55.8		54.5 N 164.9 W UNIMAK ALEUTIAN ISLANDS					
			H =103 KM MAG 3.80- CGS					
3	MN	eP	09 46 42.5	Z	0.5	0.9 (0)	35.0	3.96

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	NG	eP	09 48 23.5	Z	0.7	6.9 (0)	48.0	4.58
							AVG.	4.27
3	17 05 03.7		36.4 N 071.3 E HINDU KUSH					
			H =156 KM					
3	17 30 13.0		36.7 N 090.1 W SOUTHEAST MISSOURI					
			H =018 KM MAG 4.50- CGS					
3	NG	eP	17 32 21.6	Z	0.4	38.6 (0)	9.0	6.07
		e	17 32 56	T	0.5	75.8 (0)		
		eL	17 34 57	LR	12	35.2 (2)		
		eL	17 35 32	LZ	11	23.2 (2)		
3	SJ	eP	17 32 52.8	Z	0.5	19.3 (0)	11.0	5.67
		e	17 33 56	T	0.8	53.2 (0)		
		eL	17 36 00	LT	18	26.6 (2)		
		eL	17 37 10	LR	20	11.5 (2)		
		eL	17 37 10	LT	18	26.6 (2)		
3	DH	eP	17 33 12.6	Z	0.5	7.7 (0)	13.0	5.06
		e	17 33 17	Z	0.5	30.8 (0)		
		eL	17 35 30	R	0.6	36.6 (0)		
		eL	17 36 47	LT	12	32.0 (2)		
		eL	17 37 47	LZ	12	33.2 (2)		
3	FM	eP	17 34 13.5	Z	0.8	6.0 (0)	18.0	3.79
		eL	17 39 38	LR	18	81.4 (1)		
		eL	17 39 38	LT	17	14.4 (2)		
		eL	17 39 39	T	1.1	16.4 (1)		
3	WI	eP	17 35 03.8	Z	0.7	3.3 (0)	22.0	3.86
		eL	17 41 33	T	1.0	7.0 (0)		
		eL	17 41 45	LR	15	24.4 (2)		
		eL	17 41 45	LT	15	79.1 (1)		
3	MV	eP	17 35 32.0	Z	0.5	1.2 (0)	25.0	3.85
							AVG.	4.72
3	18 36 14.3		00.3 N 067.1 E MALDIVE ISLANDS REGION					
			H =033 KM					
3	MN	eP	18 55 49.4	Z	0.8	1.4 (0)	141.0	
3	22 59 44.9		30.7 N 136.9 E SOUTH OF HONSHU, JAPAN					
			H =491 KM					
3	MV	eP	23 11 00.0	Z	999.9	99.9 (9)	79.0	
3	WI	eP	23 11 07.9	Z	1.0	16.9 (0)	81.0	4.54

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN	eP	23 11 13.4	Z	0.6	6.2 (0)	82.0	4.33
							AVG.	4.44
3	MN	eP	23 35 08.4	Z	999.9	99.9 (9)		
3	WI	eP	23 35 13.9	Z	1.0	4.5 (0)		
4	MN	eP	04 27 24.7	Z	0.3	8.0 (0)		
4	05 08 30.*		16.1 S 178.5 E FIJI ISLANDS REGION					
			H =033 KM MAG 4.80- CGS					
4	WI	eP	05 20 50.0	Z	1.2	11.9 (0)	82.0	4.79
4	07 41 51.0		82.9 N 007.7 W NORTH POLAR REGION					
			H =033 KM MAG 5.00- CGS					
4	NG	eP	07 49 55.6	Z	1.0	9.5 (0)	44.0	4.47
		e	07 50 52	Z	1.5	11.2 (1)		
		ePCP	07 51 36	Z	999.9	99.9 (9)		
		ePCP	07 51 47	LZ	18	38.8 (1)		
		eS	07 56 31	LT	27	13.2 (2)		
		e	07 59 40	LR	26	83.6 (1)		
		eL	08 01 26	LR	39	21.9 (2)		
4	WI	eP	07 50 57.5	Z	1.0	7.7 (0)	52.0	4.62
		eS	07 58 30	LR	32	21.6 (2)		
		eSS	08 02 03	LR	18	59.2 (1)		
		eLQ	08 03 46	LR	30	75.9 (1)		
		eLR	08 06 19	LZ	37	39.8 (2)		
		eL	08 12 00	LR	26	30.2 (2)		
		eL	08 12 00	LT	19	16.1 (2)		
		eL	08 12 00	LZ	23	40.7 (2)		
4	FM	eP	07 51 08.1	Z	999.9	99.9 (9)	53.0	
		eS	07 58 44	LT	30	96.1 (1)		
		eS	07 58 44	LR	27	54.9 (1)		
		eSS	08 02 16	LT	17	45.1 (1)		
		eLR	08 06 47	LZ	45	27.5 (2)		
4	MV	eP	07 51 14.0	Z	999.9	99.9 (9)	54.0	
		e	07 51 49	Z	1.6	45.6 (0)		
		eS	07 58 48	LT	45	99.9 (9)		
		eLR	08 07 25	LZ	37	29.1 (2)		
4	MN	eP	07 51 18.0	Z	1.0	6.6 (0)	55.0	4.62
		ePP	07 53 24	Z	2.0	41.7 (0)		
		eS	07 59 07	LT	29	10.7 (2)		
		eS	07 59 07	LR	32	81.9 (1)		
		eSS	08 02 32	LT	20	69.8 (1)		
		eLR	08 08 15	LZ	38	19.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	08 10 35	LT	28	26.7 (2)		
		eL	08 10 35	LZ	35	33.1 (2)		
		eL	08 10 35	LR	22	21.5 (2)		
4	DH	eS	07 57 06	LT	20	10.4 (2)	46.0	
		eS	07 57 06	LR	19	34.6 (1)		
		e	08 00 16	LR	25	11.1 (2)		
		eLQ	08 04 45	LR	27	40.2 (2)		
		eLR	08 07 54	LZ	24	50.1 (2)		
4	CP	eLR	08 10 53	LZ	43	23.5 (2)	60.0	
4	SJ	eLR	08 12 31	LR	33	43.2 (2)	63.0	
		eL	08 14 43	LR	24	41.5 (2)		
		eL	08 14 43	LT	22	41.4 (2)		
		eL	08 14 43	LZ	20	61.6 (1)		
							AVG.	4.57
4	12 37 44.6		47.7 N 152.5 E KURILE ISLANDS REGION					
			H =140 KM MAG 4.30- CGS					
4	12 50 16.2		46.3 N 153.1 E KURILE ISLANDS REGION					
			H =033 KM MAG 4.30- CGS					
4	13 38 41.0		24.2 N 121.7 E FORMOSA					
			H =033 KM MAG 4.80- CGS					
4	MV	eP	13 51 57.1	Z	1.0	16.5 (0)	94.0	5.35
		eLQ	14 17 50	LT	29	99.9 (9)		
		eLR	14 22 33	LZ	29	14.1 (2)		
4	WI	eP	13 52 03.6	Z	1.2	30.7 (0)	95.0	5.60
		eLQ	14 19 17	LR	25	21.2 (2)		
		eLR	14 34 10	LT	21	16.5 (2)		
4	MN	eP	13 52 08.8	Z	1.5	19.6 (0)	96.0	5.41
		eSKS	14 02 45	LR	12	59.2 (1)		
		e	14 13 48	LR	30	95.2 (1)		
		eL	14 19 53	LT	25	32.8 (2)		
		eLR	14 24 12	LZ	32	21.5 (2)		
4	SJ	eSP	14 08 05	LZ	16	70.5 (1)	116.0	
		e	14 21 34	LT	18	80.0 (1)		
		e	14 24 08	LT	26	18.0 (2)		
		eLQ	14 30 40	LT	30	27.9 (2)		
		eLR	14 40 25	LT	29	47.6 (2)		
4	NG	eSS	14 12 03	LR	15	38.5 (1)	105.0	
		eL	14 26 20	LR	40	30.1 (2)		
4	CP	eLQ	14 20 56	LR	32	22.6 (1)	101.0	
		eLR	14 26 35	LZ	28	18.2 (2)		
4	FM	eLQ	14 21 20	LR	35	19.8 (2)	99.0	
		eLR	14 28 07	LZ	26	10.5 (2)		
4	DH	eL	14 29 05	LR	47	61.7 (2)	112.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
						AVG.		5.45
4			15 10 19.2	35.2 N 025.4 E	CRETE			
			H =042 KM MAG	4.80-	CGS			
4	NG	eP	15 22 24.4	Z	1.0	14.2 (0)	80.0	4.81
4			15 43 04.0	04.5 S 081.6 W	OFF COAST NORTHERN PERU			
			H =033 KM MAG	5.40-	CGS			
4	SJ	eP	15 50 03.5	Z	0.8	73.2 (0)	36.0	5.59
		eP	15 50 04	LZ	11	15.2 (2)		
		eS	15 55 43	T	3.0	13.0 (2)		
		eS	15 55 43	LT	17	25.9 (2)		
		eS	15 55 43	LR	17	32.2 (2)		
		eLR	16 00 52	LZ	999.9	99.9 (9)		
4	DH	eP	15 51 32.8	Z	1.0	49.8 (0)	47.0	5.49
		ePCP	15 53 05	Z	999.9	99.9 (9)		
		eS	15 58 19	LT	32	41.9 (2)		
		eSS	16 02 03	LR	22	22.5 (2)		
		eLR	16 05 12	LZ	40	14.4 (3)		
4	CP	eP	15 51 53.7	Z	0.9	20.4 (0)	50.0	5.05
		eS	15 59 05	LT	16	14.4 (1)		
		eLQ	16 04 14	LT	23	21.1 (1)		
		eLR	16 07 38	LZ	21	21.4 (2)		
4	NG	eP	15 51 58.5	Z	0.8	22.5 (0)	50.0	5.14
		eS	15 59 00	LT	17	22.7 (2)		
		eS	15 59 00	LR	18	16.9 (2)		
		e	16 00 09	LT	24	20.4 (2)		
		eSS	16 03 05	LT	20	21.4 (2)		
		eLQ	16 05 20	LR	37	10.6 (3)		
		eLR	16 07 15	LZ	36	84.3 (2)		
4	FM	eP	15 52 12.1	Z	1.0	60.7 (0)	52.0	5.51
		eS	15 59 39	LR	17	10.9 (2)		
		eS	15 59 39	LT	15	10.9 (2)		
		eSS	16 03 26	LT	20	12.1 (2)		
		eLQ	16 06 41	LR	33	49.4 (2)		
		eLR	16 09 42	LZ	19	20.6 (2)		
4	TF	eP	15 52 22.1	Z	0.9	44.1 (0)	53.0	5.42
4	MN	eP	15 52 31.0	Z	999.9	99.9 (9)	54.0	
		eP	15 52 32	LZ	12	88.3 (1)		
		eS	16 00 14	T	2.5	52.5 (0)		
		eS	16 00 15	LT	17	14.5 (2)		
		eS	16 00 15	LR	18	87.8 (1)		
		eLQ	16 06 30	LT	40	73.3 (2)		
		eLR	16 09 53	LZ	30	26.7 (2)		
4	WI	eP	15 52 42.4	Z	999.9	99.9 (9)	56.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	16 00 30	LT	15	20.5 (2)		
		ePS	16 00 54	LR	18	10.3 (2)		
		eSCS	16 02 33	LT	18	11.0 (2)		
		eLQ	16 09 06	LT	31	32.5 (2)		
		eLR	16 11 05	LZ	34	52.5 (2)		
4	MV	eP	15 52 46.6	Z	999.9	99.9 (9)	57.0	
		eP	15 52 47	LZ	14	57.8 (1)		
		eS	16 00 43	LT	16	99.9 (9)		
		eLQ	16 07 13	LT	25	99.9 (9)		
		eLR	16 12 42	LZ	23	17.4 (2)		
						AVG.		5.37
4			18 31 51.9	15.7 S 075.3 W	COAST OF SOUTH PERU			
			H =045 KM MAG	4.90-	CGS			
4	DH	eP	18 41 39.3	Z	0.8	29.4 (0)	58.0	5.36
4	FM	eP	18 42 29.0	Z	1.3	27.4 (0)	65.0	5.18
4	WI	eP	18 42 55.3	Z	0.9	20.5 (0)	69.0	5.17
						AVG.		5.24
4			19 04 02.9	19.3 S 169.5 E	NEW HEBRIDES IS. REGION			
			H =043 KM MAG	4.90-	CGS			
4	WI	eP	19 17 02.3	Z	1.0	3.3 (0)	91.0	4.57
4	MN	eP	21 11 40.3	Z	0.6	3.4 (0)		
4	MN	eL	21 12 32	R	0.5	99.9 (9)		
5			01 30 38.5	42.5 N 111.3 W	SOUTHEASTERN IDAHO			
			H =033 KM					
5	FM	eP	01 31 32.6	Z	999.9	99.9 (9)	3.0	
		eL	01 32 26	R	999.9	99.9 (9)		
5			01 58 31.7	34.8 N 005.4 W	NORTHERN MOROCCO			
			H =033 KM					
5			02 35 07.8	29.2 N 081.2 E	NEPAL			
			H =033 KM					
5			02 48 29.9	11.0 N 090.4 W	SOUTH OF GUATEMALA			
			H =033 KM MAG	4.10-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	MN	eP	02 55 38.0	Z	0.8	6.9 (0)	37.0	4.50
5	WI	eP	02 55 51.3	Z	999.9	99.9 (9)	38.0	
5	04 54 51.4		11.5 N 140.6 E MARIANA ISLANDS REGION H =033 KM MAG 4.70- CGS					
5	07 05 01.7		04.5 S 081.5 W OFF COAST NORTHERN PERU H =031 KM MAG 5.60- CGS					
5	SJ	eP	07 12 02.2	Z	1.2	53.5 (1)	36.0	6.28
5	DH	eP	07 13 31.0	Z	1.0	50.0 (0)	47.0	5.50
		ePCP	07 15 04	Z	1.0	30.0 (0)		
		eS	07 20 20	LT	34	16.1 (2)		
		eS	07 20 20	LR	15	66.8 (1)		
		eLR	07 27 10	LZ	39	45.4 (2)		
5	CP	eP	07 13 53.2	Z	1.0	44.6 (0)	50.0	5.35
		ePCP	07 15 14	Z	0.9	17.1 (0)		
		eLR	07 30 37	LZ	21	10.0 (2)		
5	NG	eP	07 13 56.5	Z	1.0	23.8 (0)	50.0	5.07
		ePCP	07 15 16	Z	1.0	33.3 (0)		
		eS	07 21 08	LT	16	10.1 (2)		
		eS	07 21 08	LR	14	93.0 (1)		
		eSS	07 25 12	LT	19	86.8 (1)		
		eLQ	07 27 21	LR	40	41.8 (2)		
		eLR	07 28 52	LZ	33	23.9 (2)		
5	FM	eP	07 14 10.6	Z	1.2	13.1 (1)	52.0	5.77
		eP	07 14 11	LZ	999.9	99.9 (9)		
		ePCP	07 15 22	Z	1.0	25.0 (0)		
		eS	07 21 32	LR	16	45.5 (1)		
		eLQ	07 31 15	LR	16	70.4 (1)		
		eLR	07 34 47	LZ	17	37.8 (2)		
		eL	07 35 05	LT	17	37.6 (2)		
		eL	07 35 05	LR	16	15.3 (2)		
		eL	07 35 05	LZ	17	37.4 (2)		
5	TF	eP	07 14 21.7	Z	1.2	55.3 (0)	53.0	5.39
		eLR	07 31 20	LZ	22	85.0 (1)		
5	MN	eP	07 14 30.0	Z	1.0	11.6 (1)	55.0	5.86
		eP	07 14 30	LZ	14	20.9 (1)		
		ePCP	07 15 10	Z	1.0	25.0 (0)		
		eS	07 22 16	LT	16	56.7 (1)		
		eLQ	07 29 33	LT	45	21.7 (2)		
		eLR	07 31 55	LZ	35	13.3 (2)		
5	WI	eP	07 14 41.0	Z	999.9	99.9 (9)	56.0	
		ePCP	07 15 56	LZ	15	30.5 (1)		
		eS	07 22 32	LT	16	70.2 (1)		
		eLR	07 33 00	LZ	34	19.2 (2)		
5	MV	eP	07 14 45.0	Z	1.0	16.3 (0)	57.0	5.01
							AVG.	5.53

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	07 53 39.2		36.1 N 026.2 E AEGEAN SEA H =077 KM					
5	09 12 16.8		17.5 S 178.6 W FIJI ISLANDS REGION H =512 KM MAG 5.00- CGS					
5	MV	eP	09 23 21.5	Z	1.0	9.8 (0)	78.0	4.19
5	MN	eP	09 23 30.7	Z	0.9	14.1 (0)	79.0	4.39
5	WI	eP	09 23 41.5	Z	999.9	99.9 (9)	81.0	
							AVG.	4.29
5	13 07 57.*		27.0 N 140.0 E BONIN ISLANDS REGION H =504 KM MAG 3.80- CGS					
5	19 05 39.1		06.4 S 149.0 E NEW BRITAIN H =060 KM MAG 4.40- CGS					
5	19 32 43.0		45.0 N 146.1 E KURILE ISLANDS H =033 KM					
5	23 27 40.1		06.3 S 149.1 E NEW BRITAIN H =019 KM MAG 4.10- CGS					
6	04 37 44.5		28.9 N 132.2 E RYUKYU ISLANDS H =055 KM MAG 4.40- CGS					
6	MN	eP	04 50 22.0	Z	999.9	99.9 (9)	86.0	
6	06 55 44.3		53.8 N 161.2 E EAST COAST KAMCHATKA H =033 KM MAG 4.10- CGS					
6	MN	eP	07 05 15.5	Z	999.9	99.9 (9)	55.0	
		e	07 05 32	Z	0.7	3.3 (0)		
6	LC	eP	08 34 36.2	Z	0.8	1.4 (0)		
6	LC	e	08 34 44	Z	0.9	6.7 (0)		
6	08 35 03.7		33.8 N 072.6 E WEST PAKISTAN H =036 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	MN	eP	08 36 30.0	Z	1.0	2.5 (0)		
6	CP	eP	15 36 37.0	Z	0.5	2.6 (0)		
6	LC	eP	15 37 33.8	Z	0.5	0.9 (0)		
6	LC	eL	15 39 20	LT	12	10.0 (2)		
6	LC	eL	15 39 24	R	0.7	6.2 (0)		
6	CP	eP	17 21 52.2	Z	0.5	1.0 (0)	2.8	
		e	17 21 54	Z	0.5	6.3 (0)		
		eS	17 22 29	T	0.5	17.4 (0)		
6	17 53 26.*		11.4 S 166.5 E SANTA CRUZ ISLAND H =195 KM MAG 4.60- CGS					
6	MV	eP	18 05 34.8	Z	0.6	4.1 (0)	84.0	4.34
6	MN	eP	18 05 45.2	Z	0.7	3.3 (0)	86.0	4.28
		ePP	18 09 05	Z	0.9	3.2 (0)		
							AVG.	4.31
6	19 50 07.5		09.8 S 155.2 E SOLOMON ISLANDS REGION H =060 KM MAG 5.10- CGS					
6	MN	eP	20 03 20.3	Z	1.0	3.3 (0)	93.0	4.66
6	23 23 03.1		37.0 N 140.8 E E. COAST OF HONSHU, JAPAN H =071 KM MAG 4.10- CGS					
7	01 50 29.6		03.9 S 131.1 E CERAM H =033 KM					
7	03 40 46.6		15.1 S 168.2 E NEW HEBRIDES ISLANDS H =033 KM MAG 4.60- CGS					
7	MN	eP	03 53 31.0	Z	999.9	99.9 (9)	87.0	
7	05 14 12.*		44.4 N 152.1 E KURILE ISLANDS REGION H =033 KM MAG 3.90- CGS					
7	MN	eP	05 24 47.2	Z	999.9	99.9 (9)	64.0	
7	05 22 01.1		27.0 S 113.5 W WEST OF EASTER ISLAND H =033 KM MAG 5.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	SJ	eP	05 31 40.0	Z	1.1	18.5 (1)	56.0	6.02
		eP	05 31 42	LZ	14	17.9 (2)		
		e	05 39 32	LR	20	99.9 (9)		
		e	05 39 42	R	4.5	22.3 (2)		
7	LC	eP	05 32 01.6	Z	1.1	74.0 (0)	59.0	5.62
		eP	05 32 04	LZ	17	75.9 (1)		
		e	05 40 19	T	4.0	37.5 (1)		
		ePS	05 40 20	LR	22	88.0 (2)		
		eSCS	05 42 00	LR	20	25.7 (2)		
		eSS	05 44 17	LR	23	41.2 (2)		
		eL	05 47 03	LT	22	99.9 (9)		
		eLR	05 48 58	LZ	28	46.0 (2)		
		eL	05 52 44	Z	16.0	6.6 (0)		
7	CP	eP	05 32 02.3	Z	1.0	66.2 (0)	59.0	5.62
		eP	05 32 03	LZ	17	13.2 (2)		
		ePS	05 40 22	LR	999.9	99.9 (9)		
		e	05 40 24	R	4.5	73.1 (1)		
		eSS	05 44 21	LR	21	46.4 (2)		
		eL	05 47 07	LT	999.9	99.9 (9)		
		eL	05 50 05	LZ	999.9	99.9 (9)		
		eL	05 51 14	Z	18.0	9.8 (0)		
7	TF	eP	05 32 21.0	Z	1.1	41.7 (0)	62.0	5.51
		eP	05 32 22	LZ	12	20.9 (2)		
		ePS	05 40 52	LR	19	51.8 (2)		
		ePPS	05 41 24	LT	24	16.1 (3)		
		eSS	05 44 49	LT	22	48.8 (2)		
		eL	05 48 18	LR	22	64.1 (2)		
		eLR	05 51 15	LZ	999.9	99.9 (9)		
		eL	06 53 10	Z	8.0	60.6 (2)		
7	MN	eP	05 32 41.2	Z	1.0	75.5 (0)	65.0	5.77
		eP	05 32 43	LZ	14	14.4 (2)		
		eL	05 54 16	Z	18.0	7.8 (0)		
		eP'P'	06 01 29	Z	2.0	62.9 (0)		
7	FM	eP	05 32 44.7	Z	1.0	47.7 (0)	66.0	5.58
		eP	05 32 47	LZ	17	93.8 (1)		
		eS	05 41 42	LR	23	99.9 (9)		
		e	05 43 50	LT	20	14.3 (2)		
		e	05 45 10	LT	25	19.5 (2)		
		eSS	05 45 54	LR	22	34.9 (2)		
		eSSS	05 49 12	LR	24	99.9 (9)		
		eL	05 50 27	LT	999.9	99.9 (9)		
		eLR	05 54 02	LZ	999.9	99.9 (9)		
7	MV	eP	05 32 48.1	Z	1.0	26.3 (0)	66.0	5.32
		eP	05 32 48	LZ	12	16.1 (2)		
		eS	05 41 44	LT	21	61.3 (2)		
		eSS	05 45 40	LT	23	49.7 (2)		
		eL	05 49 34	LT	23	38.2 (2)		
		eLR	05 53 16	LZ	999.9	99.9 (9)		
		eL	05 53 52	Z	15.0	6.0 (0)		
		eP'P'	06 01 30	Z	1.4	15.6 (0)		
7	WI	eP	05 32 57.7	Z	999.9	99.9 (9)	68.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	05 32 58	LZ	12	13.9 (2)		
		ePP	05 35 36	Z	1.8	54.4 (0)		
		eS	05 42 07	R	5.0	11.1 (2)		
		eS	05 42 07	T	4.5	59.3 (1)		
		eS	05 42 10	LR	999.9	99.9 (9)		
		e	05 42 40	R	5.0	92.5 (1)		
		eLR	05 54 38	LZ	999.9	99.9 (9)		
		eL	05 56 36	Z	16.0	8.1 (0)		
		eP'P'	06 01 21	Z	2.2	57.2 (0)		
7	NG	eP	05 33 44.8	Z	1.0	38.0 (0)	76.0	5.38
		eP	05 33 45	LZ	14	59.4 (1)		
		eS	05 43 30	LT	999.9	99.9 (9)		
		eS	05 43 35	LR	24	64.1 (2)		
		eSS	05 48 27	LR	24	32.0 (2)		
		eSSS	05 52 00	LR	23	37.7 (2)		
							AVG.	5.60
7	11 41 29.6		27.3 S 113.0 W EASTER ISLAND REGION H =033 KM MAG 4.90- CGS					
7	CP	eP	11 51 31.8	Z	1.0	11.5 (0)	60.0	4.89
7	LC	eP	11 51 33.8	Z	1.0	6.2 (0)	60.0	4.62
7	MN	eP	11 52 11.5	Z	1.1	20.7 (0)	66.0	5.17
7	FM	eP	11 52 17.0	Z	999.9	99.9 (9)	66.0	
7	MV	eP	11 52 19.2	Z	999.9	99.9 (9)	67.0	
7	WI	eP	11 52 30.5	Z	1.2	19.3 (0)	68.0	5.07
							AVG.	4.94
7	12 16 28.5		44.3 S 075.3 W COAST OF SOUTH CHILE H =045 KM MAG 5.60- CGS					
7	SJ	eP	12 28 02.8	Z	1.0	14.0 (1)	75.0	5.89
		eP	12 28 03	LZ	15	35.3 (2)		
		eS	12 37 32	LT	20	37.2 (2)		
		eS	12 37 32	LR	13	16.0 (2)		
		ePS	12 38 18	LR	20	21.4 (2)		
		eSS	12 43 04	LT	25	57.0 (2)		
		eL	12 48 05	LT	33	98.4 (2)		
		eL	12 55 05	LZ	22	15.0 (2)		
		eL	12 55 05	LR	23	46.4 (2)		
		eL	12 55 05	LT	24	66.9 (2)		
7	LC	eP	12 28 41.2	Z	1.0	7.5 (0)	81.0	4.58
		eP	12 28 43	LZ	18	10.6 (2)		
		ePP	12 31 50	LZ	18	46.7 (1)		
		eS	12 39 00	LR	17	12.7 (2)		
		eS	12 39 00	LT	22	99.9 (9)		
		eS	12 39 03	T	5.0	49.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePS	12 39 42	LT	22	19.2 (2)		
		eSS	12 44 12	LT	27	18.8 (2)		
		eSSS	12 47 50	LT	30	13.2 (2)		
		eL	12 50 17	LT	35	99.9 (9)		
		eLR	12 56 15	LZ	40	68.9 (2)		
		eL	13 00 33	LZ	18	15.5 (2)		
		eL	13 00 33	LR	17	19.0 (2)		
		eL	13 00 33	LT	21	16.3 (2)		
7	CP	eP	12 29 04.1	Z	999.9	99.9 (9)	85.0	
		eP	12 29 04	LZ	17	15.2 (2)		
		ePP	12 32 22	LZ	16	78.7 (1)		
		e	12 39 38	LR	23	23.9 (2)		
		ePS	12 40 27	LR	20	30.4 (2)		
		eSS	12 45 22	LR	21	35.5 (2)		
		eSSS	12 48 52	LR	20	23.3 (2)		
		eL	12 52 32	LT	33	51.5 (2)		
		eLR	12 57 10	LZ	23	54.6 (2)		
		eL	12 57 40	LZ	23	54.6 (2)		
		eL	12 57 40	LR	23	34.5 (2)		
		eL	12 57 40	LT	22	26.9 (2)		
7	TF	eP	12 29 18.8	Z	1.0	22.5 (0)	89.0	5.30
		eP	12 29 20	LZ	15	15.4 (2)		
		eS	12 40 20	LT	21	23.5 (2)		
		ePS	12 41 18	LT	22	41.1 (2)		
		eSS	12 46 22	LT	20	23.1 (2)		
		eL	12 54 40	LR	22	25.9 (2)		
		eL	12 58 28	LZ	22	63.0 (2)		
		eL	12 58 42	LR	23	24.3 (2)		
		eL	12 58 48	LZ	22	63.0 (2)		
		eL	12 58 48	LT	22	48.0 (2)		
7	FM	eP	12 29 21.3	Z	999.9	99.9 (9)	90.0	
		eP	12 29 22	LZ	15	82.7 (1)		
		ePP	12 32 43	LZ	17	40.5 (1)		
		eS	12 40 18	LR	20	75.0 (1)		
		ePS	12 41 48	LT	27	31.7 (2)		
		eSS	12 46 04	LT	18	30.0 (2)		
		eSSS	12 49 46	LT	24	14.6 (2)		
		eL	12 54 51	LR	33	31.5 (2)		
		eLR	13 00 06	LZ	23	34.6 (2)		
		eL	13 00 59	LZ	23	34.6 (2)		
		eL	13 00 59	LR	23	95.4 (1)		
		eL	13 00 59	LT	20	37.6 (2)		
7	NG	eP	12 29 24.6	Z	1.2	87.9 (0)	90.0	5.81
		eP	12 29 25	LZ	15	11.1 (2)		
		ePP	12 32 58	LZ	15	47.0 (1)		
		eS	12 40 22	LR	16	14.7 (2)		
		ePS	12 41 32	LT	17	21.4 (2)		
		eSS	12 46 28	LT	17	15.8 (2)		
		eL	12 55 30	LR	35	53.7 (2)		
		eL	13 05 38	LZ	24	12.9 (2)		
		eL	13 05 38	LR	25	22.6 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	13 05 38	LT	20	66.7 (1)		
7	MN	eP	12 29 28.4	Z	0.9	4.5 (0)	91.0	4.75
		eP	12 29 29	LZ	17	77.6 (1)		
		ePP	12 33 06	LZ	18	67.7 (1)		
		ePP	12 33 07	Z	1.3	9.6 (0)		
		ePS	12 41 46	LR	22	27.2 (2)		
		eSS	12 46 32	LR	22	23.6 (2)		
		ePKKP	12 46 56	Z	1.0	3.3 (0)		
		eSSS	12 50 25	LR	23	17.1 (2)		
		eL	12 53 57	LR	22	13.9 (2)		
		eP'P'	12 55 06	Z	1.3	6.4 (0)		
		eP'P'	12 55 16	Z	1.7	20.9 (0)		
		eLR	12 59 40	LZ	28	99.9 (9)		
7	WI	eP	12 29 38.1	Z	1.0	8.0 (0)	93.0	5.05
		eP	12 29 39	LZ	15	45.8 (1)		
		ePP	12 33 28	LZ	20	49.0 (1)		
		eSKS	12 40 28	LR	23	74.1 (1)		
		ePS	12 42 06	LR	32	32.1 (2)		
		eSS	12 47 18	LR	30	33.6 (2)		
		eSSS	12 50 58	LR	24	20.0 (2)		
		eP'P'	12 55 02	Z	1.4	10.8 (0)		
		eL	12 56 19	LT	40	57.8 (2)		
		eLR	13 01 01	LZ	33	58.3 (2)		
7	MV	eP	12 29 39.4	Z	999.9	99.9 (9)	93.0	
		eP	12 29 40	LZ	12	10.5 (2)		
		ePP	12 33 26	LZ	14	78.9 (1)		
		ePS	12 42 04	LR	22	19.2 (2)		
		ePKKP	12 46 50	Z	1.0	4.9 (0)		
		eSS	12 47 07	LR	23	18.9 (2)		
		eSSS	12 50 42	LR	25	17.6 (2)		
		eL	12 55 57	LT	30	23.3 (2)		
		eLR	13 00 35	LZ	22	39.4 (2)		
		eL	13 00 54	LZ	22	39.4 (2)		
		eL	13 00 54	LR	24	16.5 (2)		
		eL	13 00 54	LT	25	26.7 (2)		
						AVG.	5.2	

7 13 02 59.2 06.0 S 148.6 E NEW BRITAIN
H =059 KM MAG 4.20- CGS

7 13 43 01.2 50.8 N 178.6 E RAT-ALEUTIAN ISLANDS
H =033 KM MAG 4.10- CGS

7	MV	eP	13 51 03.2	Z	0.9	13.9 (0)	43.0	4.6
7	WI	eP	13 51 12.6	Z	1.0	22.8 (0)	44.0	4.8
7	MN	eP	13 51 23.0	Z	1.2	28.3 (0)	45.0	5.0
		e	13 52 08	Z	1.1	18.6 (0)		
		ePCP	13 53 12	Z	1.2	9.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	TF	eP	13 51 30.2	Z	999.9	99.9 (9)	46.0	
7	FM	eP	13 51 46.9	Z	1.0	22.0 (0)	49.0	5.11
7	CP	eP	13 51 59.4	Z	1.0	12.9 (0)	50.0	4.81
7	LC	eP	13 52 46.2	Z	1.0	26.2 (0)	56.0	5.21
7	NG	eP	13 52 55.8	Z	999.9	99.9 (9)	58.0	
7	SJ	eP	13 53 44.6	Z	1.0	50.0 (0)	65.0	5.59
							AVG.	5.04
7	MV	eP	17 18 58.2	Z	0.3	36.4 (0)	1.6	
7	MN	eP	17 19 05.3	Z	999.9	99.9 (9)	2.7	
7	WI	eP	17 19 05.3	Z	999.9	99.9 (9)		
7	MV	eS	17 19 20	R	0.4	44.9 (0)	1.6	
7	MN	eS	17 19 40	T	0.4	34.0 (0)	2.7	
7	MN	eP	21 06 10.9	Z	0.3	9.5 (0)	0.7	
		eS	21 06 21	R	999.9	99.9 (9)		

7 21 49 32.6 36.1 N 071.2 E HINDU KUSH
H =202 KM

7 23 53 25.8 44.8 N 123.4 W NORTHWESTERN OREGON
H =033 KM MAG 4.60- CGS

7	WI	eP	23 54 50.3	Z	999.9	99.9 (9)	5.6	
		eL	23 56 26	LR	18	11.3 (2)		
7	MV	eP	23 54 52.2	Z	0.3	8.2 (0)	5.8	4.70
		eL	23 55 16	R	0.6	21.6 (0)		
		eL	23 56 23	LR	18	56.4 (1)		
7	MN	eP	23 55 17.3	Z	0.6	11.5 (0)	7.0	4.92
		eL	23 57 02	R	1.0	12.1 (0)		
		eL	23 57 34	LR	15	56.4 (1)		
7	LC	eP	23 57 35.8	Z	0.7	17.4 (0)	18.0	4.32
7	FM	eL	23 58 36	LR	19	50.0 (1)	10.0	
							AVG.	4.65

8 00 14 15.4 76.8 N 094.7 W QUEEN ELIZABETH ISLANDS
H =033 KM MAG 4.50- CGS

8	WI	eP	00 21 23.0	Z	0.8	1.3 (0)	37.0	3.79
		eL	00 33 51	R	1.7	48.4 (0)		
8	NG	eL	00 30 05	R	1.0	53.9 (0)	31.0	
8	DH	eL	00 32 35	R	1.0	14.2 (1)	36.0	
8	MN	eL	00 35 05	Z	2.2	42.6 (0)	40.0	
8	MV	eL	00 36 47	Z	0.8	21.2 (0)	39.0	
8	LC	eL	00 37 25	LR	17	74.8 (1)	45.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	00 38 12	Z	1.8	35.7 (0)		
8		02 44 31.5	19.2 S 169.7 E NEW HEBRIDES ISLANDS H =033 KM MAG 5.30- CGS					
8	TF	eP	02 57 10.5	Z	1.1	18.5 (0)	86.0	5.06
8	MV	eP	02 57 14.0	Z	1.0	19.5 (0)	87.0	5.22
		eL	03 24 10	LZ	30	11.7 (2)		
		eL	03 25 27	LZ	25	89.9 (1)		
		eL	03 25 27	LT	25	65.3 (1)		
8	CP	eP	02 57 17.7	Z	1.2	19.5 (0)	87.0	5.14
8	MN	eP	02 57 23.5	Z	1.4	32.5 (0)	89.0	5.33
		eS	03 08 18	LT	15	39.5 (1)		
		ePS	03 09 28	LT	15	33.3 (1)		
		eL	03 25 00	LZ	26	16.4 (2)		
		eL	03 27 47	LZ	22	19.4 (2)		
		eL	03 27 47	LR	22	10.0 (2)		
		eL	03 27 47	LT	20	10.9 (2)		
8	WI	eP	02 57 31.7	Z	1.5	33.6 (0)	90.0	5.31
		ePS	03 09 30	LT	22	62.4 (1)		
		eSS	03 14 45	LT	23	40.6 (1)		
		eL	03 21 10	LZ	30	14.6 (2)		
		eL	03 23 00	LZ	25	12.5 (2)		
		eL	03 23 00	LR	18	20.3 (1)		
		eL	03 23 00	LT	23	99.9 (1)		
8	LC	eP	02 57 53.3	Z	1.2	11.5 (0)	95.0	5.18
		ePS	03 10 37	LT	20	18.8 (1)		
		eSS	03 15 52	LT	22	40.9 (1)		
		eSSS	03 19 30	LT	22	12.4 (1)		
		e	03 25 17	LT	25	19.7 (1)		
		eL	03 28 15	LT	30	64.3 (1)		
		eL	03 33 15	LZ	19	86.1 (1)		
		eL	03 33 15	LR	20	46.6 (1)		
		eL	03 33 15	LT	20	51.4 (1)		
8	NG	eSS	03 19 40	LR	25	50.6 (1)	112.0	
		eL	03 37 20	LZ	32	86.9 (1)		
		eL	03 44 30	LZ	20	79.9 (1)		
		eL	03 44 30	LR	20	52.7 (1)		
		eL	03 44 30	LT	15	42.7 (1)		
8	FM	eLR	03 27 35	LZ	27	93.3 (0)	93.0	
		eL	03 30 03	LZ	22	89.5 (1)		
		eL	03 30 03	LR	22	75.7 (0)		
		eL	03 30 03	LT	20	19.4 (1)		
8	SJ	eL	03 31 35	LT	25	26.5 (2)	100.0	
		eL	03 39 55	LZ	20	95.5 (1)		
		eL	03 39 55	LR	20	14.9 (2)		
		eL	03 39 55	LT	20	26.3 (2)		
						AVG.		5.21

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8		03 17 52.1	14.9 S 167.4 E NEW HEBRIDES IS. REGION H =150 KM					
8		03 24 57.2	19.2 S 169.6 E NEW HEBRIDES ISLANDS H =049 KM MAG 4.80- CGS					
8	MV	eP	03 37 37.4	Z	1.0	6.5 (0)	87.0	4.71
		eL	04 04 30	LZ	30	99.1 (1)		
		eL	04 05 52	LZ	22	67.9 (1)		
		eL	04 05 52	LT	23	60.6 (1)		
8	MN	eP	03 37 46.5	Z	1.0	4.2 (0)	89.0	4.58
		eSS	03 54 45	LT	18	46.2 (1)		
		eSSS	03 58 20	LT	18	65.5 (1)		
		eL	04 06 00	LZ	25	14.8 (2)		
		eL	04 10 35	LZ	19	13.5 (2)		
		eL	04 10 35	LR	19	88.4 (1)		
		eL	04 10 35	LT	18	11.5 (2)		
8	WI	eP	03 37 55.5	Z	0.7	2.2 (0)	90.0	4.46
		ePS	03 50 05	LT	18	67.1 (1)		
		eSS	03 58 07	LT	22	80.4 (1)		
		eL	04 06 45	LT	27	10.4 (2)		
		eL	04 08 24	LZ	25	89.6 (1)		
		eL	04 08 24	LT	23	98.2 (1)		
8	LC	eP	03 38 16.8	Z	999.9	99.9 (9)	95.0	
		eSS	03 56 14	LT	22	39.1 (1)		
		eSSS	03 59 08	LT	18	67.6 (1)		
8	NG	e	04 08 12	LR	22	51.6 (1)	112.0	
		eL	04 17 52	LZ	35	11.9 (2)		
8	FM	eLR	04 08 18	LZ	27	96.0 (1)	93.0	
		eL	04 11 05	LZ	22	76.1 (1)		
		eL	04 11 05	LR	24	81.7 (1)		
		eL	04 11 05	LT	24	24.9 (1)		
8	SJ	eL	04 12 30	LT	25	13.6 (2)	100.0	
		eL	04 14 38	LZ	20	10.3 (2)		
		eL	04 14 38	LR	20	12.7 (2)		
		eL	04 14 38	LT	22	25.9 (2)		
						AVG.		4.58
8		03 33 03.4	19.3 S 169.6 E NEW HEBRIDES ISLANDS H =033 KM					
8	MV	eP	03 45 46.9	Z	1.5	19.1 (0)	87.0	5.04
		eL	04 12 47	LZ	25	16.1 (2)		
		eL	04 12 47	LT	22	10.0 (2)		
8	CP	eP	03 45 50.7	Z	1.3	10.8 (0)	88.0	4.92
8	MN	eP	03 45 56.0	Z	1.5	15.0 (0)	89.0	4.96
		eL	04 14 12	LZ	23	28.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	04 18 45	LZ	20	29.9 (2)		
		eL	04 18 45	LR	19	15.9 (2)		
		eL	04 18 45	LT	18	22.7 (2)		
8	LC	eP	03 46 25.8	Z	1.3	7.2 (0)	95.0	4.94
		eL	04 19 02	LT	25	55.3 (1)		
8	WI	eL	04 14 50	LZ	24	18.3 (2)	90.0	
		eL	04 15 37	LZ	25	17.4 (2)		
		eL	04 15 37	LR	22	70.1 (1)		
		eL	04 15 37	LT	23	15.2 (2)		
8	FM	eLR	04 16 12	LZ	27	17.5 (2)	93.0	
		eL	04 17 45	LZ	25	15.4 (2)		
		eL	04 17 45	LR	24	14.0 (2)		
		eL	04 17 45	LT	25	51.4 (1)		
8	SJ	eL	04 20 32	LT	27	38.4 (2)	100.0	
		eL	04 24 40	LZ	19	21.0 (2)		
		eL	04 24 40	LR	19	26.6 (2)		
		eL	04 24 40	LT	19	47.0 (2)		
8	DH	eL	04 26 50	LZ	22	10.1 (2)	121.0	
		eL	04 37 15	LZ	20	18.1 (2)		
		eL	04 37 15	LR	20	13.2 (2)		
		eL	04 37 15	LT	22	55.6 (1)		
							AVG.	4.96

8 08 35 49.2 44.8 N 110.3 W YELLOWSTONE PARK, WYO.
H =033 KM MAG 3.80- CGS

8	WI	eP	08 37 24.1	Z	0.6	0.9 (0)	6.0	3.60
		eL	08 39 12	LR	11	46.6 (1)		
8	MN	eP	08 37 57.0	Z	0.7	1.2 (0)	9.0	4.26
		eL	08 40 23	R	1.8	19.3 (0)		
							AVG.	3.93

8 13 59 40.1 21.8 S 176.5 W TONGA ISLANDS REGION
H =137 KM MAG 4.60- CGS

8	MV	eP	14 11 34.5	Z	0.8	3.8 (0)	80.0	4.24
8	MN	eP	14 11 42.2	Z	1.0	4.2 (0)	81.0	4.19
		epP	14 12 31	Z	1.0	4.2 (0)		
8	WI	eP	14 11 53.6	Z	0.7	4.5 (0)	83.0	4.42
8	LC	eP	14 12 06.8	Z	0.9	15.3 (0)	86.0	4.89
		epP	14 12 56	Z	0.9	2.8 (0)		
							AVG.	4.44

8 15 06 05.3 01.1 N 029.9 W MID-ATLANTIC OCEAN
H =033 KM MAG 5.20- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	NG	eP	15 16 59.5	Z	1.2	21.9 (0)	68.0	5.13
		eS	15 26 00	LR	17	63.7 (1)		
		eL	15 35 02	LT	28	12.5 (2)		
		eL	15 38 25	LR	25	91.2 (1)		
8	LC	eP	15 18 04.0	Z	1.2	13.4 (0)	78.0	4.85
		e	15 28 18	LT	22	26.6 (1)		
		ePS	15 28 47	LR	25	73.8 (1)		
		eSS	15 33 10	LR	23	99.7 (1)		
		eL	15 39 15	LT	25	88.9 (1)		
8	FM	eP	15 18 32.0	Z	1.0	7.4 (0)	83.0	4.77
		e	15 28 56	LR	18	33.9 (1)		
		ePS	15 29 45	LT	20	42.8 (1)		
		eSS	15 34 32	LR	22	71.5 (1)		
		eL	15 43 05	LT	35	10.3 (2)		
		eL	15 46 12	LR	17	28.0 (1)		
		eL	15 46 12	LT	22	72.6 (1)		
8	CP	eP	15 18 44.6	Z	1.2	4.3 (0)	86.0	4.39
8	WI	eP	15 18 51.9	Z	1.0	6.8 (0)	87.0	4.77
		eS	15 29 37	LT	15	53.9 (1)		
		eS	15 29 37	LR	12	23.3 (1)		
		ePS	15 30 27	LT	18	71.8 (1)		
		eSS	15 35 20	LT	20	11.7 (2)		
		eL	15 44 37	LR	35	13.5 (2)		
		eL	15 48 15	LR	20	13.5 (2)		
8	MN	eP	15 18 54.1	Z	0.8	4.5 (0)	88.0	4.75
		e	15 19 44	Z	1.2	10.5 (0)		
		ePP	15 22 19	Z	1.2	7.8 (0)		
		e	15 24 22	Z	2.5	42.6 (0)		
		eS	15 29 30	LR	15	25.6 (1)		
		eS	15 29 30	LT	22	36.4 (1)		
		ePS	15 30 50	LR	18	54.3 (1)		
		eSS	15 35 15	LR	17	61.2 (1)		
		eL	15 45 25	LR	27	94.1 (1)		
		eL	15 47 05	LR	25	95.2 (1)		
		eL	15 47 05	LT	25	94.5 (1)		
8	TF	eP	15 19 03.0	Z	1.0	7.5 (0)	89.0	4.84
8	DH	ePS	15 24 00	LR	25	21.2 (2)	57.0	
		eLQ	15 30 05	LT	35	27.1 (2)		
		eLR	15 32 25	LZ	22	17.3 (2)		
		eL	15 33 45	LZ	22	15.9 (2)		
		eL	15 33 45	LR	20	13.2 (2)		
							AVG.	4.78

8 16 04 54.0 21.3 S 170.2 E LOYALTY ISLANDS REGION
H =108 KM MAG 5.00- CGS

8	MN	eP	16 17 32.5	Z	1.0	2.5 (0)	90.0	4.29

8 22 26 26.* 09.0 N 084.1 W N. W. COAST OF COSTA RICA
H =033 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	NG	eL	22 50 08	LZ	15	36.4 (1)	37.0	
9	02 17 39.5		21.9 N 062.0 E	ARABIAN SEA				
			H =033 KM MAG	5.10-	CGS			
9	MN	eP'	02 36 29.7	Z	1.0	5.9 (0)	120.0	
9	02 48 28.3		27.1 S 177.1 W	KERMADEC ISLANDS REGION				
			H =033 KM					
9	MN	eP	03 01 04.3	Z	999.9	99.9 (9)	85.0	
9	WI	eP	03 01 14.0	Z	1.0	2.2 (0)	88.0	4.36
9	04 21 25.*		02.5 N 089.5 W	GALAPAGOS ISLANDS REGION				
			H =033 KM MAG	4.30-	CGS			
9	SJ	eP	04 26 56.0	Z	1.1	25.1 (0)	26.0	4.72
9	05 26 58.4		08.9 N 126.3 E	MINDANAO, PHILIPPINE IS.				
			H =087 KM MAG	4.30-	CGS			
9	06 44 28.2		46.1 N 141.0 E	KURILE ISLANDS REGION				
			H =031 KM MAG	4.80-	CGS			
9	WI	eP	06 55 28.3	Z	0.6	2.8 (0)	68.0	4.55
9	MN	eP	06 55 38.6	Z	0.6	7.1 (0)	70.0	4.86
9	FM	eP	06 55 55.7	Z	0.5	13.6 (0)	73.0	5.24
							AVG.	4.89
9	13 06 15.1		19.1 S 169.4 E	NEW HEBRIDES ISLANDS				
			H =033 KM MAG	4.90-	CGS			
9	16 23 44.3		03.2 S 147.0 E	BISMARK SEA				
			H =033 KM MAG	4.80-	CGS			
9	MN	e	17 03 15	LT	999.9	99.9 (9)	96.0	
		eLR	17 08 40	LZ	30	95.6 (1)		
9	MV	eLR	17 06 44	LZ	24	15.3 (2)	93.0	
9	WI	eL	17 08 38	LZ	26	14.7 (2)	96.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	FM	eLR	17 10 00	LZ	12	65.5 (1)	100.0	
9	SJ	eLR	17 16 24	LZ	35	82.2 (1)	113.0	
9	NG	eLR	17 17 10	LZ	28	75.5 (1)	116.0	
9	16 56 13.*		06.7 N 123.9 E	COAST OF MINDANAO, P. I.				
			H =033 KM					
9	18 55 49.0		03.2 S 147.1 E	NEW BRITAIN REGION				
			H =033 KM MAG	4.90-	CGS			
9	MV	eLR	19 38 37	LZ	24	18.1 (2)	93.0	
		eL	19 40 00	LT	24	10.5 (2)		
		eL	19 40 00	LR	23	10.7 (2)		
		eL	19 40 00	LZ	23	19.3 (2)		
9	MN	eLR	19 40 10	LZ	25	19.4 (2)	96.0	
		eL	19 42 34	LR	23	11.3 (2)		
		eL	19 42 34	LT	22	10.4 (2)		
		eL	19 42 34	LZ	23	20.5 (2)		
9	WI	eLR	19 40 30	LZ	30	23.0 (2)	96.0	
9	FM	eLR	19 42 20	LZ	26	65.2 (1)	100.0	
		eL	19 44 35	LT	22	10.4 (2)		
		eL	19 44 35	LR	23	53.3 (1)		
		eL	19 44 35	LZ	24	13.4 (2)		
9	SJ	eLR	19 48 25	LZ	30	82.2 (1)	113.0	
9	NG	eLR	19 50 00	LZ	27	58.0 (1)	116.0	
9	DH	eLR	19 56 55	LZ	27	13.8 (2)	126.0	
9	19 13 53.0		19.1 S 169.6 E	NEW HEBRIDES ISLANDS				
			H =033 KM MAG	4.80-	CGS			
9	22 43 50.5		21.5 S 179.0 W	FIJI ISLANDS REGION				
			H =529 KM MAG	4.40-	CGS			
9	MV	eP	22 55 10.9	Z	999.9	99.9 (9)	81.0	
9	MN	eP	22 55 19.1	Z	1.0	12.7 (0)	82.0	4.40
0	01 19 38.1		15.2 S 167.2 E	NEW HEBRIDES ISLAND				
			H =142 KM MAG	4.90-	CGS			
0	LC	epP	01 33 18.5	Z	1.0	12.7 (1)	95.0	
0	01 26 04.1		56.2 N 153.8 W	KODIAK ISLAND				
			H =033 KM MAG	5.10-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	MV	eP	01 31 47.5	Z	0.7	8.0 (0)	27.0	4.49
		eP AS	01 32 57.5	Z	0.9	12.4 (0)		4.57
		ePCP	01 35 06	Z	0.8	10.4 (0)		
		e	01 38 28	Z	1.1	15.9 (0)		
		e	01 38 44	Z	0.9	6.2 (0)		
		eL	01 39 10	LZ	22	27.1 (2)		
		eL	01 40 00	LZ	22	27.1 (2)		
		eL	01 40 00	LR	22	15.7 (2)		
		eL	01 40 00	LT	15	39.2 (1)		
10	WI	eP	01 31 52.4	Z	0.7	11.9 (0)	28.0	4.76
		eP AS	01 32 02.2	Z	999.9	99.9 (9)		
		ePCP	01 35 07	Z	0.9	11.4 (0)		
		eSCP	01 38 44	Z	0.8	14.8 (0)		
		eLR	01 39 50	LZ	21	29.6 (2)		
		eL	01 40 42	LZ	19	99.9 (9)		
		eL	01 40 42	LR	20	25.4 (2)		
		eL	01 40 42	LT	15	10.0 (2)		
10	MN	eP	01 32 08.1	Z	0.8	13.7 (0)	30.0	4.80
		eP AS	01 32 17.6	Z	0.8	15.7 (0)		4.86
		ePCP	01 35 11	Z	0.7	8.2 (0)		
		eS	01 37 10	LR	19	50.1 (1)		
		eS	01 37 10	LT	18	19.3 (1)		
		e	01 38 34	Z	1.0	13.2 (0)		
		e	01 38 52		1.1	8.2 (0)		
		eLR	01 40 38	LZ	22	99.9 (9)		
10	TF	eP	01 32 22.2	Z	0.8	15.5 (0)	31.0	4.92
		ePCP	01 35 16	Z	1.0	26.3 (0)		
		e	01 38 19	Z	0.8	11.1 (0)		
		eL	01 40 42	LZ	18	16.6 (2)		
10	FM	eP	01 32 30.8	Z	1.3	35.3 (0)	32.0	5.06
		eP AS	01 32 40.7	Z	0.8	10.8 (0)		4.76
		ePCP	01 35 19	Z	0.8	13.0 (0)		
		eSCP	01 38 55	Z	0.8	17.4 (0)		
		eLR	01 42 00	LZ	22	13.7 (2)		
		eL	01 43 30	LZ	20	14.3 (2)		
		eL	01 43 30	LR	17	44.7 (1)		
		eL	01 43 30	LT	18	11.6 (2)		
10	CP	eP	01 32 43.1	Z	0.8	16.4 (0)	35.0	5.01
		eP AS	01 32 53.0	Z	0.9	12.8 (0)		4.85
		e	01 33 05.1	Z	0.9	13.9 (0)		
		ePCP	01 35 26.9	Z	0.9	10.7 (0)		
		e	01 38 14.8	Z	0.9	23.5 (0)		
10	LC	eP	01 33 40.0	Z	1.1	43.2 (0)	40.0	5.06
		eP	01 33 40	LZ	18	26.1 (1)		
		eP AS	01 33 50.0	Z	1.1	44.7 (0)		5.07
		ePCP	01 35 42	Z	0.9	10.5 (0)		
		e	01 38 56	Z	0.9	6.7 (0)		
		eS	01 39 50	LT	19	17.5 (1)		
		eS	01 39 50	LR	20	32.5 (1)		
		eLR	01 44 30	LZ	31	12.7 (1)		
		eL	01 49 12	LZ	18	17.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	01 49 12	LR	17	16.0 (2)		
		eL	01 49 12	LT	18	35.1 (1)		
10	NG	eP	01 33 46.6	Z	0.7	61.5 (0)	41.0	5.47
		eP AS	01 33 56.6	Z	0.7	47.3 (0)		5.36
		eS	01 40 00	LT	17	52.5 (1)		
		eS	01 40 00	LR	19	45.7 (1)		
		eSS	01 42 52	LR	23	49.5 (1)		
		eLQ	01 45 27	LR	27	80.9 (1)		
		eLR	01 49 50	LZ	19	19.8 (2)		
		eL	01 51 02	LZ	17	24.0 (2)		
		eL	01 51 02	LR	17	24.5 (2)		
		eL	01 51 02	LT	17	20.4 (2)		
10	SJ	eP	01 34 45.0	Z	0.7	25.7 (0)	48.0	5.36
		eP AS	01 34 55.0	Z	0.7	25.7 (0)		5.36
		ePS	01 41 50	LR	21	75.8 (1)		
		e	01 45 53	LR	18	69.6 (1)		
		eL	01 51 55	LR	21	10.3 (2)		
10	DH	eP	01 35 00.0	Z	0.7	24.8 (0)	51.0	5.28
		eP AS	01 35 10.0	Z	0.7	29.8 (0)		5.36
		eL	01 54 00	LR	22	16.4 (2)		
							AS .	5.02
							AVG.	5.02
10	02 53 33.0	24.7 N 122.1 E EAST COAST OF FORMOSA						
		H =033 KM MAG 4.90- CGS						
10	MV	eP	03 06 45.4	Z	0.8	9.5 (0)	93.0	5.24
		eL	03 36 55	LZ	25	50.3 (1)		
10	WI	eP	03 06 52.2	Z	1.2	17.6 (0)	94.0	5.29
		eS	03 17 58	LR	28	66.2 (1)		
		eL	03 36 30	LT	22	67.8 (1)		
		eL	03 44 12	LZ	24	15.8 (2)		
		eL	03 44 12	LR	23	62.4 (1)		
		eL	03 44 12	LT	21	10.8 (2)		
10	MN	eP	03 06 58.0	Z	0.7	3.3 (0)	96.0	4.97
		ePS	03 19 38	LR	12	51.0 (1)		
		e	03 25 28	LR	19	27.3 (1)		
		eL	03 32 21	LR	30	71.0 (1)		
		eL	03 49 08	LZ	20	82.2 (1)		
		eL	03 49 08	LR	20	10.4 (2)		
		eL	03 49 08	LT	19	44.3 (1)		
10	TF	eL	03 33 37	LZ	24	12.6 (2)	96.0	
10	LC	eL	03 39 23	LT	24	47.1 (1)	107.0	
		eL	03 53 25	LZ	20	50.9 (1)		
		eL	03 53 25	LT	22	10.2 (2)		
10	NG	eLR	03 44 02	LZ	43	35.3 (2)	105.0	
		eL	03 54 12	LZ	24	17.4 (2)		
		eL	03 54 12	LR	17	22.2 (2)		
		eL	03 54 12	LT	20	12.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	DH	eL	03 49 30	LZ	18	89.2 (1)	112.0	
10	SJ	eL	03 51 30	LR	25	17.6 (2)	115.0	
		eL	04 02 22	LZ	21	13.0 (2)		
		eL	04 02 22	LR	19	22.4 (2)		
		eL	04 02 22	LT	17	58.0 (2)		
							AVG.	5.1
10	04 25 11.*		48.5 N 157.1 E	KURILE ISLANDS REGION				
			H =033 KM MAG	4.10-	CGS			
10	06 04 33.*		14.2 N 089.5 W	NEAR COAST OF EL SALVADOR				
			H =033 KM MAG	4.30-	CGS			
10	SJ	eP	06 08 15.5	Z	0.8	12.2 (0)	16.0	4.1
10	LC	eP	06 09 43.5	Z	0.9	1.9 (0)	24.0	3.5
10	MN	eP	06 11 21.8	Z	999.9	99.9 (9)	35.0	
10	WI	eP	06 11 35.2	Z	999.9	99.9 (9)	36.0	
							AVG.	3.8
10	08 25 52.*		54.5 N 159.1 E	KAMCHATKA				
			H =033 KM MAG	4.70-	CGS			
10	CP	eP	09 32 31.7	Z	0.3	11.9 (0)	1.5	
		eS	09 32 52	R	0.4	25.6 (0)		
10	09 39 09.6		16.0 S 168.4 E	NEW HEBRIDES ISLAND				
			H =283 KM MAG	4.90-	CGS			
10	MV	eP	09 51 17.2	Z	0.9	7.4 (0)	94.0	4.8
10	MN	eP	09 51 26.8	Z	1.0	9.9 (0)	87.0	4.6
							AVG.	4.7
10	10 51 48.1		29.9 S 071.2 W	COAST OF CENTRAL CHILE				
			H =070 KM MAG	5.50-	CGS			
10	SJ	eP	11 02 09.3	Z	1.2	11.1 (1)	63.0	5.7
		eP	11 02 09	LZ	11	47.7 (1)		
		epP	11 02 26	Z	1.3	15.9 (1)		
		eS	11 10 32	LT	18	49.1 (2)		
		eS	11 10 32	LR	17	19.7 (2)		
		eLR	11 22 10	LZ	28	18.3 (2)		
10	LC	eP	11 02 57.1	Z	1.2	86.5 (0)	70.0	5.5

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	11 03 15	Z	1.3	14.9 (1)		
		eS	11 12 07	LT	25	16.4 (2)		
		eS	11 12 07	LR	22	61.8 (1)		
		eSS	11 17 00	LR	28	75.3 (1)		
		eSSS	11 20 00	LT	34	12.8 (2)		
		eL	11 22 55	LT	35	21.4 (2)		
		eLR	11 26 37	LZ	26	31.4 (2)		
		eL	11 28 38	LZ	22	33.2 (2)		
		eL	11 28 38	LR	21	20.6 (2)		
		eL	11 28 38	LT	21	16.7 (2)		
10	DH	eP	11 03 06.1	Z	1.0	80.0 (0)	72.0	5.59
		epP	11 03 21	Z	1.5	52.9 (1)		
		eS	11 12 25	LR	16	26.9 (2)		
		eS	11 12 25	LT	18	88.1 (1)		
		eL	11 28 57	LZ	25	16.7 (2)		
10	CP	eP	11 03 27.4	Z	1.3	80.3 (0)	76.0	5.48
		eLR	11 27 28	LZ	23	23.2 (2)		
10	NG	eP	11 03 34.3	Z	0.8	33.8 (0)	77.0	5.31
		eP	11 03 35	LZ	11	45.1 (2)		
		epP	11 03 50	Z	1.4	18.1 (1)		
		eS	11 13 11	LR	18	17.1 (2)		
		eS	11 13 11	LT	19	52.4 (1)		
		eSS	11 18 08	LR	20	75.2 (1)		
		eL	11 23 50	LR	30	18.3 (2)		
10	FM	eP	11 03 44.9	Z	1.3	11.3 (1)	79.0	5.59
		epP	11 04 03	Z	1.5	19.4 (1)		
		eS	11 13 40	LR	23	13.2 (2)		
		eS	11 13 40	LT	15	37.6 (1)		
		eSS	11 18 44	LR	19	58.8 (1)		
		eLQ	11 24 55	LR	30	12.4 (2)		
		eLR	11 31 27	LZ	25	24.5 (2)		
		eL	11 34 03	LZ	20	29.3 (2)		
		eL	11 34 03	LT	20	23.9 (2)		
10	TF	eP	11 03 49.3	Z	1.3	10.8 (1)	79.0	5.58
		eS	11 13 47	LR	22	13.4 (2)		
		eS	11 13 47	LT	11	13.4 (2)		
		eSS	11 19 01	LR	20	73.0 (1)		
		eLR	11 29 45	LZ	30	21.6 (2)		
10	MN	eP	11 03 56.3	Z	1.2	44.7 (0)	81.0	5.23
		epP	11 04 11	Z	1.4	65.2 (0)		
		eS	11 14 04	LT	18	11.6 (2)		
		eS	11 14 04	LR	12	42.5 (1)		
		eSS	11 19 20	LT	19	66.5 (1)		
		eLQ	11 25 47	LT	40	23.1 (2)		
		eLR	11 31 05	LZ	24	10.8 (2)		
		eL	11 33 08	LZ	22	11.8 (2)		
		eL	11 33 08	LR	22	95.7 (1)		
		eL	11 33 08	LT	20	58.9 (1)		
10	WI	eP	11 04 05.5	Z	1.1	40.9 (0)	83.0	5.36
		epP	11 04 22	Z	1.3	59.4 (0)		
		e	11 14 22	LT	17	11.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	11 19 45	LT	18	74.6 (1)		
		eLQ	11 26 50	LT	37	28.8 (2)		
		eLR	11 32 07	LZ	33	18.3 (2)		
		eL	11 35 45	LZ	22	17.7 (2)		
		eL	11 35 45	LR	22	12.7 (2)		
		eL	11 35 45	LT	18	14.7 (2)		
10	MV	eP	11 04 07.0	Z	1.3	40.3 (0)	83.0	5.2
		e	11 14 22	LT	17	12.3 (2)		
		eSS	11 19 55	LT	18	83.8 (1)		
		eLQ	11 27 03	LT	34	21.5 (2)		
		eLR	11 32 07	LZ	30	10.9 (2)		
							AVG.	5.4

10 11 26 03.* 44.9 N 110.3 W YELLOWSTONE NAT. PARK, WYO.
H =033 KM

10 WI eP 11 27 34.8 Z 999.9 99.9 (9) 6.0

10 11 40 29.* 38.4 N 127.2 W COAST OF N. CALIFORNIA
H =033 KM

10 MN eP 11 42 10.0 Z 999.9 99.9 (9) 7.0

10 11 50 26.3 39.4 N 141.7 E COAST OF HONSHU, JAPAN
H =060 KM MAG 4.60- CGS

10	WI	eP	12 01 46.3	Z	999.9	99.9 (9)	72.0	
10	MN	eP	12 01 54.4	Z	0.8	3.4 (0)	73.0	4.3
10	LC	eP	12 02 54.6	Z	0.9	6.7 (0)	85.0	4.6
							AVG.	4.5

10 13 16 56.* 45.4 N 109.4 W SOUTHERN MONTANA
H =033 KM

10 13 51 04.3 02.4 N 126.6 E CELEBES SEA
H =041 KM

10	MV	eL	14 40 07	LZ	27	74.0 (1)	105.0
10	MN	eL	14 41 25	LZ	25	53.9 (1)	108.0
10	FM	eL	14 43 40	LZ	30	70.5 (1)	112.0

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	FM	eP	19 12 28.7	Z	0.4	8.8 (0)	1.5	
		eS	19 12 47	R	0.5	19.3 (0)		
11	WI	eL	03 10 42	LR	25	46.6 (1)		
11	FM	eL	03 11 00	LT	35	94.6 (1)		
11	LC	eL	03 12 45	LR	25	21.1 (1)		
11	MN	eL	03 14 50	LR	27	66.0 (1)		
11	WI	eL	03 19 35	LT	20	12.6 (2)		
11	WI	eL	03 19 35	LR	22	13.5 (2)		
11	WI	eL	03 19 35	LZ	25	34.1 (1)		
11	WI	eL	03 20 25	LT	25	14.0 (2)		
11	SJ	eL	03 22 35	LR	22	13.6 (2)		
11	MN	eL	03 22 47	LZ	22	10.5 (2)		
11	FM	eL	03 23 40	LZ	25	55.5 (1)		
11	MN	eL	03 24 02	LR	22	90.8 (1)		
11	FM	eL	03 24 02	LZ	19	12.3 (2)		
11	FM	eL	03 24 02	LT	20	53.7 (1)		
11	FM	eL	03 26 35	LT	20	82.5 (1)		
11	LC	eL	03 26 35	LZ	20	13.0 (2)		
11	LC	eL	03 26 35	LR	20	59.7 (1)		

11 03 27 06.* 17.1 S 178.8 W FIJI ISLANDS
H =540 KM

11	SJ	eL	03 27 15	LZ	17	15.3 (1)		
11	SJ	eL	03 27 15	LR	22	11.0 (2)		
11	SJ	eL	03 27 15	LT	18	17.0 (2)		

11 07 27 22.0 38.1 N 029.3 E TURKEY
H =035 KM MAG 5.0 - CGS

11	DH	eP	07 38 59.6	Z	1.2	15.7 (1)	74.0	5.84
11	NG	eP	07 39 26.4	Z	1.2	23.4 (1)	79.0	6.02
		eL	08 05 32	LZ	30	23.6 (1)		
		eL	08 14 20	LZ	18	13.9 (2)		
		eL	08 14 20	LR	18	10.5 (2)		
		eL	08 14 20	LT	23	41.8 (1)		
11	FM	eP	07 40 44.8	Z	1.0	14.4 (0)	95.0	5.36
11	WI	eP	07 40 45.5	Z	1.2	21.1 (0)	95.0	5.44
11	MN	eP	07 40 52.7	Z	1.4	9.8 (0)	98.0	5.27
							AVG.	5.59

11 09 02 19.8 18.7 S 177.6 W FIJI ISLANDS REGION
H =402 KM MAG 4.80- CGS

11	MV	eP	09 13 36.6	Z	1.0	11.2 (0)	78.0	4.54

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	MN	eP	09 13 45.5	Z	0.7	9.0 (0)	80.0	4.6
		epP	09 15 19	Z	1.0	4.1 (0)		
11	WI	eP	09 13 56.5	Z	0.8	8.8 (0)	82.0	4.5
		epP	09 15 31	Z	1.2	5.2 (0)		
11	LC	eP	09 14 13.3	Z	0.7	14.9 (0)	85.0	4.9
		epP	09 15 48	Z	0.9	3.8 (0)		
							AVG.	4.6

11 09 42 51.2 00.0 S 130.4 E HALMAHERA REGION
H =033 KM

11 10 27 42.1 36.7 N 071.1 E HINDU KUSH
H =189 KM MAG 4.70- CGS

11 11 30 16.0 05.1 N 076.4 W CENTRAL COLOMBIA
H =095 KM MAG 4.30- CGS

11	MN	eP	11 39 06.0	Z	0.9	4.4 (0)	50.0	4.3

11 14 22 08.4 31.1 N 138.2 E SOUTH OF HONSHU, JAPAN
H =396 KM MAG 4.10- CGS

11 15 30 07.6 17.6 N 100.8 W GUERRERO, MEXICO
H =033 KM MAG 4.80- CGS

11	LC	eP	15 33 47.5	Z	0.8	5.1 (0)	16.0	3.7
		e	15 33 52	Z	0.7	36.0 (0)		
		ePP	15 34 06	Z	1.0	27.5 (0)		
		e	15 34 17	Z	1.1	18.5 (0)		
11	FM	eP	15 35 18.6	Z	0.7	10.8 (0)	24.0	4.4
11	MN	eP	15 35 38.5	Z	0.7	17.3 (0)	26.0	4.7
11	WI	eP	15 35 55.1	Z	0.8	8.1 (0)	28.0	4.5
							AVG.	4.3

11 21 05 49.1 13.7 S 165.8 E NEW HEBRIDES ISLAND
H =033 KM MAG 4.70- CGS

12 03 41 21.8 45.3 N 109.6 W SOUTHERN MONTANA
H =033 KM

12	WI	eP	03 43 00.1	Z	0.5	1.7 (0)	7.0	4.1

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	08 05 49.8		53.9 N 160.6 E KAMACHTKA					
			H =033 KM MAG 4.70- CGS					
12	MV	eP	08 15 05.0	Z	0.7	4.1 (0)	53.0	4.50
12	WI	eP	08 15 10.2	Z	0.8	3.4 (0)	54.0	4.43
12	MN	eP	08 15 22.4	Z	0.8	3.4 (0)	55.0	4.43
12	NG	eP	08 16 26.0	Z	1.0	19.0 (0)	65.0	5.18
12	LC	eP	08 16 35.7	Z	1.0	7.5 (0)	66.0	4.77
							AVG.	4.66

12	TF	eP	09 19 55.6	Z	0.3	29.2 (0)	1.5	
12	MV	eP	09 20 11.4	Z	0.4	2.2 (0)	2.4	
12	TF	eS	09 20 15	R	0.4	44.0 (0)	1.5	
12	MV	e	09 20 18	Z	0.4	4.5 (0)	2.4	
		eS	09 20 42	T	0.5	6.3 (0)		

12 12 38 54.* 39.3 N 040.3 E TURKEY
H =070 KM MAG 4.00- CGS

12 13 21 39.2 16.0 S 172.6 W TONGA ISLANDS REGION
H =033 KM MAG 5.30- CGS

12	LC	eP	13 33 44.3	Z	1.0	7.5 (0)	79.0	4.60

12 15 18 00.0 71.7 N 001.4 W JAN MAYEN ISLAND REGION
H =033 KM MAG 3.90- CGS

12	LC	eP	19 45 12.5	Z	0.3	17.8 (0)	1.4	
		eS	19 45 31	T	0.4	14.6 (0)		

12 20 14 59.8 16.2 S 167.7 E NEW HEBRIDES ISLAND
H =033 KM MAG 4.90- CGS

12 20 40 12.8 07.1 S 156.0 E SOLOMON ISLANDS
H =097 KM MAG 5.20- CGS

12 23 47 26.1 39.5 N 110.7 W EASTERN UTAH
H =033 KM

12	FM	eP	23 47 45.3	Z	0.6	13.6 (0)	1.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	23 48 08	T	0.5	53.1 (0)		
13	03 48 14.*		11.7 S 160.9 E SOLOMON ISLANDS H =126 KM MAG 4.40- CGS					
13	CP	eP	04 23 19.5	Z	0.3	7.5 (0)	1.0	
		eS	04 23 33	T	999.9	99.9 (9)		
13	10 39 19.1		19.5 N 069.5 W DOMINICAN REPUBLIC H =033 KM MAG 4.10- CGS					
13	LC	eP	10 46 15.6	Z	0.9	16.3 (0)	36.0	4.8
13	MN	eP	10 47 41.5	Z	0.6	7.5 (0)	46.0	4.8
13	WI	eP	10 47 41.9	Z	0.6	3.8 (0)	46.0	4.5
							AVG.	4.7
13	10 54 15.8		33.1 N 141.4 E OFF COAST HONSHU, JAPAN H =047 KM MAG 4.10- CGS					
13	17 27 22.9		36.1 N 070.4 E HINDU KUSH H =190 KM MAG 4.00- CGS					
13	LC	eP	20 05 32.2	Z	0.5	5.1 (0)	1.4	
		eS	20 05 50	T	0.4	5.6 (0)		
13	LC	eP	23 17 10.3	Z	0.9	1.9 (0)		
14	WI	eP	01 16 00.3	Z	1.1	4.2 (0)		
14	MV	eP	01 16 01.4	Z	999.9	99.9 (9)		
14	LC	e	01 52 57	LR	30	64.9 (1)		
14	LC	eL	01 57 05	LZ	18	17.4 (1)		
14	01 57 29.3		25.6 S 137.6 E NORTH TERRITORY, AUSTRALIA H =033 KM					
14	MN	eL	01 58 15	LZ	26	30.0 (1)		
14	WI	eL	02 00 15	LZ	20	33.5 (1)		
14	08 00 15.6		19.0 N 120.4 E OFF COAST LUZON, P. I. H =051 KM MAG 5.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	MV	eP	08 13 49.9	Z	0.9	8.8 (0)	98.0	5.39
4	MN	eLR	08 49 05	LZ	24	33.9 (1)	101.0	
4	NG	eLR	08 51 03	LR	35	10.5 (2)	111.0	
4	TF	eP	12 24 03.9	Z	999.9	99.9 (9)		
4	CP	eP	12 24 39.2	Z	0.3	2.0 (0)	4.2	
4	MN	eP	12 24 43.3	Z	0.3	2.3 (0)	3.2	
4	CP	e	12 24 47	Z	0.4	7.3 (0)	4.2	
4	MN	eS	12 25 23	R	0.4	16.3 (0)	3.2	
4	CP	eS	12 25 29	T	0.4	12.4 (0)	4.2	
4	CP	eP	14 09 17.9	Z	0.3	5.5 (0)	1.3	
		eS	14 09 34	R	0.4	12.3 (0)		
4	LC	eP	17 11 49.8	Z	0.8	2.9 (0)		
4	DH	eP	17 32 04.3	Z	0.3	25.4 (0)	1.8	
		eS	17 32 29	R	0.4	71.9 (0)		
4	MV	eP	17 38 56.4	Z	0.3	4.1 (0)	3.2	
		eS	17 39 36	R	0.5	8.3 (0)		
4	TF	eP	17 42 48.4	Z	0.3	12.5 (0)	2.6	
		eS	17 43 11	R	0.4	41.4 (0)		
4	MN	eP	17 43 11.3	Z	0.3	1.7 (0)	3.3	
		eS	17 43 52	R	0.4	6.6 (0)		
4	MN	eP	17 49 59.0	Z	0.3	2.3 (0)	3.1	
		eS	17 50 38	R	0.4	10.5 (0)		
4	TF	eP	17 57 16.9	Z	0.3	8.3 (0)	2.9	
		eS	17 58 53	R	0.4	57.0 (0)		
4	18 13 19.1		53.0 N 164.9 W FOX - ALEUTIAN ISLANDS H =033 KM MAG 4.60- CGS					
4	MN	eP	18 20 10.5	Z	1.1	4.0 (0)	35.0	4.26
4	LC	eP	18 21 42.1	Z	1.0	6.2 (0)	46.0	4.52
4	NG	eP	18 21 59.4	Z	0.9	40.2 (0)	48.0	5.45
							AVG.	4.74
4	18 30 40.6		46.5 N 153.4 E KURILE ISLANDS H =032 KM MAG 4.70- CGS					
4	NG	eP	19 13 54.6	Z	999.9	99.9 (9)	2.6	
		eS	19 14 28	T	0.4	12.8 (0)		
4	LC	eP	20 15 10.6	Z	0.3	8.0 (0)	1.5	
		eS	20 15 30	R	0.4	10.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	23 15 23.2		05.9 S 144.6 E EASTERN NEW GUINEA H =033 KM MAG 4.30- CGS					
15	00 04 01.3		05.0 S 129.6 E BANDA SEA H =295 KM MAG 4.80- CGS					
15	00 16 01.3		08.4 N 126.4 E MINDANAO, P. I. H =117 KM MAG 5.00- CGS					
15	03 34 55.*		24.9 S 180.0 FIJI ISLANDS H =573 KM MAG 4.20- CGS					
15	04 03 05.*		25.0 S 179.6 E FIJI ISLANDS REGION H =563 KM					
15	04 15 03.7		13.1 S 172.2 W SAMOA ISLANDS H =043 KM					
15	05 46 32.8		21.7 N 045.4 W NORTH ATLANTIC OCEAN H =033 KM MAG 4.90- CGS					
15	NG	eP	05 54 25.2	Z	999.9	99.9 (9)	42.0	
		eLQ	06 05 00	LT	22	89.1 (1)		
		eLR	06 07 25	LZ	20	42.3 (1)		
15	LC	eP	05 56 03.4	Z	1.1	20.0 (0)	55.0	5.06
		eLR	06 10 00	LZ	30	64.9 (1)		
15	FM	eP	05 56 31.7	Z	999.9	99.9 (9)	59.0	
		eLR	06 13 40	LT	25	63.9 (1)		
15	WI	eP	05 56 57.5	Z	999.9	99.9 (9)	63.0	
		eLR	06 15 00	LZ	25	11.3 (2)		
15	CP	eP	05 56 59.8	Z	1.3	40.7 (0)	63.0	5.33
15	DH	eLQ	06 00 00	LT	27	18.2 (2)	32.0	
15	SJ	eS	06 02 15	LR	14	64.3 (1)	48.0	
		eLR	06 13 00	LR	21	83.4 (1)		
15	MN	eLR	06 15 20	LZ	37	70.1 (1)	64.0	
15	MV	eLQ	06 17 00	LR	28	50.7 (1)	66.0	
		eLR	06 22 00	LZ	23	48.0 (1)		
						AVG.		5.19
15	10 53 59.8		17.5 N 119.8 E OFF COAST LUZON, P. I. H =033 KM MAG 4.40- CGS					
15	DH	eP	13 14 38.7	Z	0.4	7.1 (0)	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	13 14 59	T	0.4	14.1 (0)		
15	18 50 34.7		42.3 N 142.3 E SOUTH HOKKAIDO JAPAN H =033 KM					
15	TF	eP	19 00 44.8	Z	0.2	30.7 (0)	1.0	
		eS	19 00 58	R	0.4	65.6 (0)		
16	03 35 22.5		26.1 N 092.8 E ASSAM, INDIA H =048 KM MAG 4.50- CGS					
16	LC	eP	04 07 41.6	Z	0.7	3.7 (0)		
16	CP	eP	06 26 17.6	Z	0.6	2.9 (0)	2.9	
		e	06 26 27	Z	0.7	22.4 (0)		
		eS	06 26 55	T	0.7	48.7 (0)		
16	LC	eP	06 27 16.3	Z	0.5	1.8 (0)		
16	LC	e	06 27 23	Z	0.6	6.2 (0)		
16	LC	e	06 27 51	Z	1.2	21.1 (0)		
16	LC	eL	06 29 10	R	1.3	38.4 (0)		
16	08 44 48.3		46.5 N 154.7 E KURILE ISLAND REGION H =026 KM MAG 6.20- CGS					
16	MV	eP	08 54 48.5	Z	1.1	15.7 (1)	59.0	5.95
		eP	08 54 50	LZ	999.9	99.9 (9)		
		eS	09 02 35	LR	999.9	99.9 (9)		
		eS	09 02 59	R	5.0	26.6 (2)		
		eS	09 02 59	T	5.5	15.5 (2)		
		eSCS	09 04 25	T	4.6	33.7 (2)		
		eP'P'	09 24 07	Z	1.0	4.9 (0)		
		e	09 24 38	Z	1.6	11.2 (1)		
16	WI	tP	08 54 56.6C	Z	999.9	99.9 (9)	60.0	
		tP	08 54 59 C	LZ	20	25.2 (4)		
		e	08 58 52	Z	1.4	16.3 (1)		
		eS	09 03 14	R	5.0	37.1 (2)		
		e	09 03 39	T	4.5	33.5 (2)		
		e	09 22 10	Z	1.5	20.1 (0)		
		eP'P'	09 23 56	Z	1.1	9.8 (0)		
		e	09 24 18	Z	1.5	10.7 (1)		
		e	09 32 02	Z	1.5	26.9 (0)		
16	MN	tP	08 55 06.0C	Z	1.1	13.5 (1)	62.0	6.03
		tP	08 55 07 C	LZ	999.9	99.9 (9)		
		ePCS	08 59 36	R	3.4	15.2 (2)		
		e	09 03 58	T	4.5	26.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSCS	09 04 44	R	5.0	25.1 (2)		
		e	09 05 11	T	5.0	33.8 (2)		
		eP'P'	09 24 03	Z	1.3	16.2 (0)		
		e	09 24 21	Z	1.1	45.8 (0)		
16	TF	eP	08 55 12.0	Z	1.1	12.3 (1)	63.0	5.89
		eP	08 55 13	LZ	20	24.3 (3)		
		ePP	08 57 34	Z	2.3	10.9 (2)		
		e	08 58 06	Z	2.3	10.1 (2)		
		eS	09 03 45	R	5.5	42.2 (2)		
		eS	09 03 45	T	5.4	25.6 (2)		
		eP'P'	09 24 26	Z	1.5	11.7 (1)		
16	CP	eP	08 55 37.2	Z	1.1	16.3 (1)	66.0	6.09
		iP	08 55 39 C	LZ	22	21.2 (3)		
		ePP	08 58 19	Z	1.9	34.5 (1)		
		eS	09 04 31	R	5.0	12.0 (2)		
		eS	09 04 31	T	5.0	24.7 (2)		
		e	09 04 55	R	5.0	53.1 (2)		
		eP'P'	09 24 02	Z	1.5	41.5 (0)		
16	NG	eP	08 56 15.0	Z	1.1	62.9 (1)	73.0	6.57
		iP	08 56 16 C	LZ	999.9	99.9 (9)		
		eS	09 05 40	LR	999.9	99.9 (9)		
		eS	09 05 41	R	6.0	86.9 (2)		
		eS	09 05 41	T	6.0	42.6 (2)		
		eP'P'	09 23 49	Z	1.5	56.0 (0)		
16	LC	iP	08 56 15.9C	Z	1.1	18.6 (1)	73.0	6.05
		iP	08 56 19 C	LZ	23	16.1 (3)		
		ePP	08 59 03	Z	2.0	60.9 (1)		
		e	09 01 03	Z	3.5	19.1 (2)		
		eS	09 05 20	LT	999.9	99.9 (9)		
		eS	09 05 45	R	3.8	60.0 (1)		
		eS	09 05 45	T	4.0	82.4 (1)		
		eP'P'	09 23 51	Z	1.3	16.8 (0)		
		e	09 24 08	Z	4.0	84.1 (1)		
16	DH	eP	08 57 02.7	Z	1.1	59.2 (1)	81.0	6.47
		iP	08 57 04 C	LZ	22	22.6 (3)		
		ePP	09 00 00	LZ	19	81.9 (2)		
		eS	09 07 05	LR	25	99.9 (9)		
		eSS	09 12 24	LR	26	18.8 (3)		
		eLQ	09 17 31	LT	999.9	99.9 (9)		
		eP'P'	09 23 49	Z	2.0	31.8 (1)		
16	SJ	eP	08 57 04.3	Z	1.2	72.1 (1)	81.0	6.52
		iP	08 57 06 C	LZ	22	36.7 (3)		
		ePP	09 00 20	Z	2.0	11.7 (2)		
		eS	09 07 17	R	5.3	60.6 (2)		
		eS	09 07 17	T	5.0	12.2 (3)		
		eP'P'	09 23 40	Z	1.4	89.3 (0)		
							AVG.	6.20
16	MN	e	09 36 12	Z	0.7	12.1 (0)	5.8	
16	CP	eP	09 36 22.5	Z	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	TF	eP	09 36 36.3	Z	0.4	4.1 (0)	3.3	
		e	09 36 41	Z	0.5	30.1 (0)		
16	MN	eP	09 36 59.0	Z	0.4	0.2 (0)	5.8	
16	TF	eS	09 37 17	T	0.6	10.6 (1)	3.3	
16	MN	eS	09 38 08	R	0.8	6.9 (0)	5.8	
16	13 18 17.6		20.8 S 174.1 W TONGA ISLANDS					
			H =033 KM MAG 4.40- CGS					
16	MN	eP	13 30 22.4	Z	1.0	4.2 (0)	79.0	4.35
16	LC	eP	13 30 49.8	Z	0.9	1.9 (0)	83.0	4.23
							AVG.	4.29
16	21 40 09.0		20.7 S 174.6 W TONGA ISLAND REGION					
			H =033 KM MAG 5.00- CGS					
16	MV	eP	21 52 05.1	Z	1.0	13.0 (0)	78.0	4.91
16	MN	eP	21 52 11.4	Z	1.0	19.4 (0)	79.0	5.02
16	WI	eP	21 52 24.1	Z	1.4	16.3 (0)	81.0	4.80
16	LC	eP	21 52 36.6	Z	0.9	11.5 (0)	84.0	5.00
							AVG.	4.93
16	22 28 56.7		38.9 N 071.8 E TADZHIK S. S. R.					
			H =073 KM MAG 5.00- CGS					
17	06 18 52.4		07.1 N 082.2 W SOUTH OF PANAMA					
			H =053 KM MAG 4.60- CGS					
17	SJ	eP	06 24 18.2	Z	0.8	73.3 (0)	25.0	5.30
		eLR	06 32 41	LR	32	19.8 (2)		
		eL	06 36 29	LR	24	30.1 (2)		
		eL	06 36 29	LT	23	11.6 (2)		
17	LC	eP	06 25 31.8	Z	0.8	2.9 (0)	34.0	4.21
		eS	06 30 59	LR	24	34.5 (1)		
		eS	06 30 59	LT	16	14.8 (1)		
		eL	06 36 24	LZ	28	55.6 (1)		
17	MN	eP	06 27 04.8	Z	0.8	6.4 (0)	45.0	4.50
17	WI	eP	06 27 14.2	Z	0.8	6.0 (0)	46.0	4.57
		eL	06 44 55	LZ	23	39.6 (1)		
							AVG.	4.64
17	08 42 12.3		46.0 N 155.0 E KURILE ISLAND REGION					
			H =035 KM MAG 4.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	MV	eP	08 52 13.1	Z	1.1	6.1 (0)	59.0	4.54
17	WI	eP	08 52 19.5	Z	1.0	8.0 (0)	60.0	4.73
17	MN	eP	08 52 29.9	Z	1.1	9.3 (0)	62.0	4.86
17	NG	eP	08 53 40.3	Z	1.0	14.2 (0)	73.0	4.94
							AVG.	4.77
17	MN	eP	09 12 05.4	Z	0.4	0.5 (0)	4.8	
		eS	09 13 03	R	0.5	4.4 (0)		
17	TF	eP	10 11 08.3	Z	0.3	43.2 (0)	0.9	
		eS	10 11 21	T	999.9	99.9 (9)		
17	WI	eP	10 13 07.7	Z	0.3	2.4 (0)	4.8	
17	MN	eP	10 13 12.7	Z	0.3	1.2 (0)	1.5	
17	WI	eS	10 14 05	R	0.5	4.7 (0)	4.8	
17	MN	eS	10 14 17	R	0.4	1.7 (0)	1.5	
17	TF	eP	10 15 42.5	Z	0.3	22.9 (0)	1.0	
		eS	10 15 56	T	0.4	35.2 (0)		

17 10 32 19.7 37.4 S 078.2 E INDIAN OCEAN
H =033 KM

17 11 11 36.3 39.2 N 111.9 W UTAH
H =033 KM

17	FM	eP	11 11 37.5	Z	999.9	99.9 (9)	0.2	

17 13 08 55.0 46.2 N 155.6 E KURILE ISLANDS
H =033 KM

17 14 17 25.9 39.5 N 021.5 E GREECE
H =078 KM MAG 4.80- CGS

17	WI	eP	14 30 24.2	Z	999.9	99.9 (9)	91.0	
17	LC	eP	14 30 36.2	Z	1.0	3.7 (0)	94.0	4.75
17	MN	eP	16 56 12.2	Z	0.3	1.5 (0)	2.6	
		eS	16 56 45	R	999.9	99.9 (9)		
17	TF	eP	17 49 40.0	Z	0.3	6.7 (0)	1.6	
		eS	17 50 02	R	0.4	15.2 (0)		
17	MV	eP	18 07 41.4	Z	0.3	1.7 (0)	4.2	
		eS	18 08 32	R	0.4	4.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	LC	eP	18 33 05.6	Z	0.3	14.2 (0)	1.6	
		eS	18 33 25	T	0.4	9.7 (0)		

17 19 38 20.1 64.9 N 174.9 W EASTERN SIBERIA
H =033 KM

17	MN	eP	19 46 12.2	Z	999.9	99.9 (9)	42.0	

17 22 10 36.2 44.8 N 110.3 W YELLOWSTONE NAT. PK., WYO.
H =033 KM

17	WI	eP	22 12 12.2	Z	0.4	0.7 (0)	6.3	3.69

18 04 00 41.* 26.6 S 176.7 W KERMADEC ISLANDS
H =033 KM MAG 4.70- CGS

18 04 25 41.4 33.2 S 179.0 E KERMADEC ISLANDS REGION
H =033 KM

18 09 47 59.* 30.7 N 042.1 W NORTH ATLANTIC OCEAN
H =033 KM MAG 4.30- CGS

18 10 02 00.8 24.1 N 005.0 E SOUTHERN ALGERIA
H =000 KM

18 11 39 37.4 07.6 S 120.2 E FLORES SEA
H =033 KM

18 13 16 23.5 15.7 S 178.4 W FIJI ISLAND REGION
H =561 KM

19 04 52 34.5 79.1 N 002.0 E ARCTIC OCEAN
H =033 KM

19 05 11 08.2 18.9 N 145.3 E MARIANA ISLANDS REGION
H =220 KM MAG 4.00- CGS

19	MN	eP	05 23 12.6	Z	0.7	2.9 (0)	83.0	4.14

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	05 23 50	Z	999.9	99.9 (9)		
19			05 46 50.1	22.8 S 170.5 E	LOYALTY ISLANDS REGION			
			H =067 KM MAG	4.60-	CGS			
19	MN	eP	09 26 35.3	Z	1.0	3.3 (0)		
19	WI	eP	09 26 49.0	Z	999.9	99.9 (9)		
19	MN	eP	10 56 23.0	Z	999.9	99.9 (9)		
19			13 13 22.5	22.6 S 170.6 E	LOYALTY ISLANDS REGION			
			H =049 KM MAG	4.50-	CGS			
19	MN	eP	13 26 17.4	Z	1.0	4.2 (0)	90.0	4.57
19	LC	eP	13 35 25.6	Z	1.0	3.7 (0)		
19			14 13 18.1	27.0 N 115.0 W	BAJA, CALIFORNIA			
			H =033 KM MAG	4.10-	CGS			
19	CP	eP	14 14 39.8	Z	0.5	2.6 (0)	5.5	3.99
		eL	14 15 53	R	1.0	12.1 (0)		
		eL	14 16 07	LT	1.4	64.4 (2)		
19	LC	eP	14 15 29.0	Z	0.5	0.9 (0)	9.0	4.27
		e	14 15 35	Z	0.9	11.5 (0)		
		eL	14 17 55	LR	17	99.2 (1)		
		eL	14 18 08	T	1.3	37.9 (1)		
19	MN	eP	14 16 03.0	Z	1.0	5.0 (0)	12.0	4.57
		eL	14 19 45	LT	20	55.1 (1)		
19	WI	eP	14 16 52.7	Z	999.9	99.9 (9)	14.0	
		eL	14 20 40	LT	17	89.8 (1)		
19	SJ	eL	14 22 43	LT	15	14.4 (2)	15.0	
							AVG.	4.28
19			14 42 01.2	22.6 S 170.8 E	LOYALTY ISLANDS REGION			
			H =033 KM MAG	4.80-	CGS			
19	MN	eP	14 54 59.5	Z	0.8	3.4 (0)	90.0	4.60
19			17 19 23.9	07.7 S 106.9 E	SOUTH COAST OF JAVA			
			H =094 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19			18 11 32.5	02.1 S 127.3 E	BANDA SEA			
			H =033 KM					
19			19 08 08.1	08.3 N 126.6 E	COAST OF MINDANAO, P. I.			
			H =109 KM MAG	4.20-	CGS			
19			23 56 11.0	05.4 S 152.1 E	NEW BRITAIN REGION			
			H =065 KM					
20			04 43 13.5	19.9 S 179.1 W	FIJI ISLANDS			
			H =680 KM MAG	5.20-	CGS			
20	TF	eP	04 54 08.5	Z	1.0	33.3 (0)	78.0	4.80
		e	05 03 17	LT	17	12.2 (2)		
20	CP	eP	04 54 14.7	Z	1.1	45.0 (0)	79.0	4.89
20	MV	eP	04 54 16.6	Z	1.0	37.0 (0)	80.0	4.84
		eS	05 03 28	LR	19	90.9 (1)		
		eS	05 03 28	LT	17	99.9 (9)		
20	MN	tP	04 54 24.0C	Z	0.8	29.1 (0)	81.0	4.84
		epP	04 56 43	Z	1.0	6.6 (0)		
		eS	05 03 47	R	2.6	89.0 (0)		
		eS	05 03 50	LR	18	12.3 (2)		
		eSS	05 09 20	LR	22	78.7 (1)		
20	WI	tP	04 54 34.4C	Z	999.9	99.9 (9)	83.0	
		epP	04 56 55	Z	0.8	2.7 (0)		
		eS	05 04 07	LR	15	12.1 (2)		
		esS	05 08 08	LR	21	52.1 (1)		
20	FM	eP	04 54 45.5	Z	0.8	13.6 (0)	86.0	4.65
		eS	05 04 34	LT	18	11.3 (2)		
20	LC	tP	04 54 49.7C	Z	0.8	27.3 (0)	87.0	4.95
		epP	04 57 10	Z	1.0	8.7 (0)		
20	SJ	eP	04 55 11.8	Z	0.8	45.5 (0)	91.0	5.39
		eS	05 05 24	LR	18	19.6 (2)		
		eS	05 05 24	LT	20	10.5 (2)		
							AVG.	4.91
20			04 45 49.5	19.6 S 179.3 W	FIJI ISLANDS REGION			
			H =680 KM MAG	5.20-	CGS			
20	TF	eP	04 56 43.5	Z	1.0	20.8 (0)	78.0	4.59
		eS	05 05 52	LT	18	93.4 (1)		
20	CP	eP	04 56 50.0	Z	1.0	23.8 (0)	79.0	4.65
20	MV	eP	04 56 51.0	Z	0.6	9.4 (0)	80.0	4.47
		eS	05 06 05	LT	17	99.9 (9)		
20	MN	eP	04 56 59.4	Z	0.8	20.2 (0)	81.0	4.68

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	04 59 15	Z	1.0	5.8 (0)		
		eS	05 06 22	LR	16	84.2 (1)		
20	WI	eP	04 57 09.6	Z	0.6	15.7 (0)	83.0	4.72
		epP	04 59 28	Z	1.0	4.5 (0)		
		eS	05 06 41	LR	15	14.6 (2)		
20	FM	eP	04 57 21.0	Z	0.5	4.9 (0)	86.0	4.41
		eS	05 07 11	LT	18	75.9 (1)		
		esS	05 11 30	LT	22	52.5 (1)		
20	LC	eP	04 57 25.0	Z	0.9	25.9 (0)	87.0	4.88
		epP	04 59 44	Z	1.1	9.2 (0)		
20	SJ	eP	04 57 46.8	Z	0.6	21.4 (0)	91.0	5.19
							AVG.	4.70

20 07 04 18.0 46.4 N 154.5 E KURILE ISLANDS REGION
H =016 KM MAG 5.20- CGS

20	MV	eP	07 14 21.4	Z	0.7	5.6 (0)	59.0	4.70
20	WI	eP	07 14 29.3	Z	0.5	6.0 (0)	60.0	4.89
20	MN	eP	07 14 38.5	Z	1.0	11.6 (0)	62.0	5.03
20	FM	eP	07 14 59.0	Z	0.6	5.5 (0)	65.0	4.91
20	LC	eP	07 15 48.5	Z	1.0	10.0 (0)	73.0	4.85
							AVG.	4.88

20 10 44 41.3 15.8 S 171.7 W SAMOA ISLANDS REGION
H =033 KM MAG 4.60- CGS

20 11 38 33.1 44.9 N 110.7 W YELLOWSTONE NAT. PARK,WYO.
H =033 KM MAG 4.10- CGS

20	WI	eP	11 39 01.8	Z	0.5	1.1 (0)	
20	WI	e	11 39 07	Z	0.5	3.4 (0)	
20	MN	eP	11 39 36.6	Z	0.5	0.3 (0)	
20	FM	eP	11 39 53.6	Z	0.5	1.2 (0)	
20	WI	e	11 40 09	R	0.7	6.9 (0)	
20	MN	e	11 40 59	R	1.2	16.2 (0)	
20	FM	e	11 41 22	Z	1.2	20.2 (0)	
20	WI	eS	11 41 27	R	0.8	38.6 (0)	
20	FM	eL	11 41 28	LR	15	12.3 (2)	
20	WI	eL	11 41 40	LR	13	12.1 (2)	
20	FM	eL	11 41 45	LR	15	12.3 (2)	
20	FM	eL	11 41 45	LT	15	10.1 (2)	
20	MN	eL	11 42 42	LR	16	11.2 (2)	
20	MN	eS	11 42 50	R	1.3	17.1 (0)	
20	SJ	eL	11 45 18	LT	16	11.7 (2)	
20	NG	eL	11 46 38	T	1.8	68.0 (0)	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

20 12 32 26.0 44.6 N 110.5 W YELLOWSTONE NAT. PARK,WYO.
H =033 KM MAG 4.00- CGS

20	FM	eP	12 33 51.3	Z	0.5	2.4 (0)	5.5	3.96
		eL	12 35 24	LR	15	79.5 (1)		
		eL	12 35 40	LR	16	76.3 (1)		
		eL	12 35 40	LT	15	58.3 (1)		
20	WI	eP	12 33 52.3	Z	0.5	0.4 (0)	6.0	3.33
		e	12 33 58	Z	0.6	10.5 (0)		
		eS	12 35 20	R	0.7	11.5 (0)		
20	MN	eP	12 34 29.0	Z	0.9	1.9 (0)	8.0	4.13
		e	12 34 52	Z	0.7	2.9 (0)		
		eL	12 36 46	LR	17	55.4 (1)		
20	SJ	eL	12 43 20	LT	17	75.8 (1)	20.0	
							AVG.	3.81

20 14 38 56.8 06.7 S 129.9 E BANDA SEA
H =222 KM

20 14 41 48.2 11.9 N 093.1 E ANDAMAN ISLANDS REGION
H =033 KM MAG 4.40- CGS

20	MV	eP'	15 00 37.2	Z	0.7	2.4 (0)	120.0	
20	WI	eP'	15 00 38.0	Z	0.8	2.0 (0)	120.0	
20	MN	eP'	15 00 41.2	Z	0.7	4.1 (0)	122.0	
20	NG	eP'	15 00 41.4	Z	0.7	7.1 (0)	123.0	
20	FM	eP'	15 00 45.8	Z	0.7	4.9 (0)	124.0	
20	LC	eSKP	15 04 23	Z	0.7	1.8 (0)	132.0	

20 16 38 55.8 02.4 S 138.4 E WESTERN NEW GUINEA
H =040 KM MAG 5.50- CGS

20	LC	ePKKP	17 08 34	Z	0.9	2.8 (0)	112.0	
20	WI	eSS	17 11 50	LT	30	89.5 (1)	102.0	
		eSSS	17 15 30	LT	30	77.5 (1)		
		eLR	17 25 55	LZ	25	17.5 (2)		
		eL	17 36 00	LZ	19	18.8 (2)		
		eL	17 36 00	LT	19	14.8 (2)		
20	MN	eSS	17 12 00	LR	30	13.1 (2)	102.0	
		eLQ	17 21 34	LT	32	11.4 (2)		
		eLR	17 25 00	LZ	29	72.8 (1)		
20	MV	eLR	17 24 25	LZ	25	11.4 (2)	100.0	
		eL	17 32 40	LZ	20	12.8 (2)		
		eL	17 32 40	LR	21	72.4 (1)		
20	TF	eLR	17 25 06	LZ	27	31.6 (2)	101.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	CP	eLR	17 26 28	LZ	25	19.0 (2)	104.0	
20	SJ	eLR	17 34 33	LZ	28	14.5 (2)	120.0	
20	NG	eLR	17 35 26	LZ	30	82.4 (1)	121.0	
		eL	17 47 25	LZ	20	12.2 (2)		
		eL	17 47 25	LR	20	69.4 (1)		
		eL	17 47 25	LT	20	11.8 (2)		
20	LC	eP	21 33 21.4	Z	0.4	21.9 (0)	1.4	
		eS	21 33 39	R	0.4	30.1 (0)		
20	CP	eP	23 15 35.2	Z	999.9	99.9 (9)		
21	01 12 54.8		19.3 S 175.8 W TONGA ISLANDS					
			H =130 KM MAG 4.60- CGS					
21	MN	eP	01 24 45.6	Z	0.8	2.9 (0)	79.0	4.13
21	LC	eP	01 25 12.2	Z	0.9	11.5 (0)	84.0	4.74
							AVG.	4.44
21	03 00 24.2		44.8 N 110.6 W YELLOWSTONE NAT. PARK, WYO					
			H =033 KM					
21	WI	eP	03 02 00.8	Z	0.7	2.2 (0)	6.0	3.90
21	04 00 11.1		36.5 N 140.9 E E. COAST OF HONSHU, JAPAN					
			H =050 KM MAG 5.20- CGS					
21	MV	eP	04 11 38.4	Z	1.0	9.6 (0)	73.0	4.73
		epP	04 11 50	Z	0.9	9.9 (0)		
21	WI	eP	04 11 46.1	Z	1.0	10.1 (0)	75.0	4.70
		epP	04 11 58	Z	1.0	11.2 (0)		
21	MN	eP	04 11 53.4	Z	0.8	6.9 (0)	76.0	4.68
		epP	04 12 06	Z	0.9	14.1 (0)		
21	TF	eP	04 11 57.1	Z	0.8	11.8 (0)	76.0	4.92
		epP	04 12 08	Z	0.8	14.2 (0)		
21	FM	eP	04 12 11.7	Z	0.8	15.5 (0)	79.0	4.98
		epP	04 12 24	Z	0.7	9.8 (0)		
21	CP	eP	04 12 17.9	Z	0.8	10.0 (0)	80.0	4.74
		epP	04 12 30	Z	0.7	16.9 (0)		
21	NG	eP	04 12 51.6	Z	1.0	9.3 (0)	87.0	4.87
		epP	04 13 05	Z	1.0	9.3 (0)		
21	LC	eP	04 12 52.2	Z	0.9	6.7 (0)	87.0	4.77
		epP	04 13 04	Z	0.9	5.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.80
21	04 33 52.9		05.5 S 152.2 E NEW BRITAIN REGION					
			H =033 KM MAG 4.80- CGS					
21	MN	eP	04 47 05.1	Z	1.0	4.1 (0)	93.0	4.78
21	WI	eP	04 47 08.7	Z	1.1	4.1 (0)	94.0	4.71
							AVG.	4.75
21	16 09 48.3		44.9 N 110.7 W YELLOWSTONE NAT. PARK, WYO.					
			H =033 KM					
21	WI	eP	16 11 22.4	Z	0.5	2.1 (0)	6.0	4.03
		eL	16 40 00	R	0.7	3.4 (0)		
21	17 53 16.*		46.6 N 154.9 E KURILE ISLANDS REGION					
			H =033 KM MAG 3.70- CGS					
21	18 19 22.7		50.6 N 129.4 W VANCOUVER ISLAND REGION					
			H =033 KM MAG 4.00- CGS					
21	WI	eP	18 22 21.3	Z	1.0	13.5 (0)	12.0	5.00
21	MV	eP	18 22 26.0	Z	0.9	4.9 (0)	13.0	4.51
21	MN	eP	18 22 49.1	Z	1.0	7.5 (0)	15.0	4.07
21	CP	eP	18 23 57.1	Z	0.9	8.7 (0)	20.0	4.01
21	LC	eP	18 24 42.6	Z	0.9	14.4 (0)	25.0	4.60
21	NG	eP	18 25 10.3	Z	0.9	10.7 (0)	28.0	4.61
							AVG.	4.47
21	FM	eP	21 42 07.3	Z	0.4	31.7 (0)	1.5	
		eS	21 42 27	R	0.4	41.2 (0)		
21	MV	eP	23 28 47.1	Z	0.2	3.0 (0)	1.3	
		eS	23 29 03	T	0.3	9.2 (0)		
21	23 35 55.4		47.0 N 155.6 E KURILE ISLANDS					
			H =069 KM MAG 4.90- CGS					
22	01 44 25.8		19.3 N 067.0 W MONA PASSAGE					
			H =039 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	MN	eP	01 53 05.0	Z	0.9	3.2 (0)	48.0	4.34
22	02 38 50.1		36.7 N 139.5 E HONSHU, JAPAN H =083 KM MAG 4.30- CGS					
22	03 57 23.8		46.0 N 148.4 E KURILE ISLANDS H =115 KM MAG 4.90- CGS					
22	WI	eP	04 07 48.3	Z	0.6	5.1 (0)	64.0	4.60
22	MN	eP	04 07 57.5	Z	0.7	8.8 (0)	66.0	4.77
		epP	04 08 26	Z	0.8	3.9 (0)		
22	FM	eP	04 08 16.5	Z	1.0	21.7 (0)	69.0	4.92
22	CP	eP	04 08 27.0	Z	1.0	7.0 (0)	71.0	4.43
22	LC	eP	04 09 03.5	Z	1.0	4.9 (0)	77.0	4.27
							AVG.	4.60
22	04 34 43.3		44.7 N 110.7 W YELLOWSTONE NAT. PARK, WYO. H =033 KM MAG 4.10- CGS					
22	FM	eP	04 36 11.5	Z	0.5	7.0 (0)	5.6	4.41
		eL	04 37 30	LR	15	99.9 (9)		
		eL	04 37 48	Z	1.0	40.3 (0)		
22	WI	eP	04 36 12.5	Z	0.5	0.8 (0)	6.0	3.63
		e	04 36 20	Z	999.9	99.9 (9)		
		e	04 36 40	LT	15	68.6 (1)		
		eL	04 37 57	LT	18	16.3 (2)		
		eL	04 39 26	R	999.9	99.9 (9)		
22	MN	eP	04 36 48.8	Z	0.5	0.6 (0)	8.0	3.90
		e	04 37 09	Z	0.7	4.2 (0)		
		eL	04 39 06	R	1.1	12.2 (0)		
		eL	04 39 27	LZ	18	16.3 (2)		
22	NG	eP	04 38 31.5	Z	0.7	7.1 (0)	16.0	3.93
		eL	04 42 58	T	1.0	22.9 (0)		
		eL	04 44 08	LZ	13	17.1 (2)		
22	MV	eL	04 39 40	LZ	18	89.7 (1)	10.0	
		eL	04 39 40	LR	15	11.3 (2)		
		eL	04 39 40	LT	17	55.9 (1)		
22	TF	eL	04 41 00	LT	20	21.9 (2)	12.0	
22	CP	eL	04 41 10	LT	14	25.0 (2)	13.0	
22	SJ	eL	04 45 17	LT	17	66.2 (2)	20.0	
							AVG.	3.97
22	05 58 51.4		44.9 N 109.8 W NORTHERN WYOMING H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	WI	eP	06 00 31.5	Z	0.7	3.3 (0)	7.0	4.31
22	11 56 43.8		15.2 S 168.4 E NEW HEBRIDES ISLANDS H =033 KM MAG 4.20- CGS					
22	MV	eL	13 14 05	LZ	20	91.0 (1)		
22	MN	eL	13 14 30	LT	22	74.7 (1)		
22	FM	eL	13 15 20	LZ	25	82.8 (1)		
22	MN	eL	13 15 47	LT	20	78.9 (1)		
22	MN	eL	13 15 47	LR	21	59.5 (1)		
22	MN	eL	13 15 47	LZ	22	95.0 (1)		
22	WI	eL	13 15 55	LZ	25	11.3 (2)		
22	FM	eL	13 16 57	LT	20	31.4 (2)		
22	FM	eL	13 16 57	LR	20	44.2 (1)		
22	FM	eL	13 16 57	LZ	20	74.2 (1)		
22	WI	eL	13 17 15	LR	20	85.4 (1)		
22	WI	eL	13 17 15	LT	20	55.8 (1)		
22	WI	eL	13 17 15	LZ	25	11.5 (2)		
22	LC	eP	21 08 07.5	Z	0.5	1.3 (0)	2.7	
		eS	21 08 42	T	0.5	2.3 (0)		
22	21 18 27.4		22.7 S 068.0 W CHILE BOLIVIA BORDER H =242 KM					
22	22 28 43.*		34.8 N 033.0 E CYPRUS H =033 KM					
22	23 35 20.*		34.2 N 032.2 E CYPRUS H =033 KM					
22	23 36 19.1		52.7 S 137.4 E SOUTHWEST OF TASMANIA H =033 KM					
23	CP	eP	00 14 06.1	Z	0.3	3.5 (0)	1.7	
		eS	00 14 29	R	0.4	12.6 (0)		
		eP	00 19 34.0	Z	0.3	2.5 (0)		
		eS	00 19 57	R	0.4	11.6 (0)		
23	01 10 46.2		25.3 S 179.2 E FIJI ISLANDS REGION H =560 KM MAG 5.30- CGS					
23	CP	eP	01 22 20.3	Z	1.2	15.2 (0)	84.0	4.50

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	WI	eP	03 39 26.3	Z	0.4	0.7 (0)	0.9	
		eS	03 39 38	R	0.5	2.2 (0)		
23	MV	eP	04 35 25.5	Z	0.3	1.1 (0)	3.9	
		eS	04 36 13	R	0.4	99.9 (9)		
23	05 48 34.*		42.3 N 084.3 E SINKIANG PROV., CHINA H =033 KM					
23	07 57 35.2		10.2 S 070.9 W PERU BRAZIL BORDER H =580 KM					
23	CP	eP	08 08 17.4	Z	0.3	2.0 (0)	2.8	
		eS	08 08 53	T	0.4	11.6 (0)		
23	08 51 44.2		04.9 S 145.7 E N. COAST OF NEW GUINEA H =051 KM MAG 4.60- CGS					
23	12 21 43.3		45.0 N 111.4 W HEBGEN LAKE REG., MONTANA H =034 KM					
23	WI	eP	12 23 07.2	Z	999.9	99.9 (9)	5.7	
		eL	12 24 38	R	0.7	8.0 (0)		
23	MN	eP	12 23 55.1	Z	999.9	99.9 (9)	8.0	
23	CP	eP	14 10 13.0	Z	999.9	99.9 (9)	1.2	
		eS	14 10 28	R	0.4	5.3 (0)		
23	14 28 55.4		06.5 S 147.9 E N. E. COAST OF NEW GUINEA H =033 KM					
23	MV	eP	16 33 20.0	Z	0.3	99.9 (9)	1.8	
23	MN	eP	16 33 26.7	Z	999.9	99.9 (9)	1.3	
		eS	16 33 43	R	0.4	14.9 (0)		
23	MV	eS	16 33 44	T	0.4	35.8 (0)	1.8	
23	MV	eP	16 46 21.9	Z	0.3	6.4 (0)	1.4	
		eS	16 46 40	T	0.4	20.1 (0)		
23	FM	eP	17 32 48.0	Z	0.3	4.0 (0)	1.5	
		eS	17 33 09	R	0.4	10.8 (0)		
23	WI	eP	17 33 43.8	Z	0.3	4.0 (0)	3.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	TF	eP	17 34 00.0	Z	0.3	4.5 (0)	4.4	
23	WI	eS	17 34 31	R	0.4	34.7 (0)	3.8	
23	TF	eS	17 34 43	T	0.4	9.4 (0)	4.4	
23	FM	eP	20 47 53.8	Z	0.4	22.0 (0)	1.5	
		eS	20 48 12	R	0.4	26.0 (0)		
23	21 11 26.0		10.0 S 113.8 E SOUTHEAST COAST OF JAVA H =139 KM MAG 4.80- CGS					
23	21 22 59.8		02.4 S 133.6 E WESTERN NEW GUINEA H =130 KM MAG 4.40- CGS					
24	01 36 22.0		05.8 S 151.0 E NEW BRITAIN H =033 KM MAG 4.80- CGS					
24	02 07 12.8		09.7 S 120.4 E SUMBA ISLAND REGION H =033 KM MAG 5.40- CGS					
24	MV	eP'	02 25 59.0	Z	1.0	16.1 (0)	118.0	
		e	02 26 08	Z	0.9	31.0 (0)		
		eSP	02 36 53	LZ	23	19.7 (2)		
		eLR	03 01 35	LZ	27	23.8 (2)		
		eL	03 14 10	LZ	22	42.9 (2)		
		eL	03 14 10	LR	22	27.2 (2)		
		eL	03 14 10	LT	22	25.7 (2)		
24	TF	eP'	02 26 02.5	Z	1.0	27.5 (0)	120.0	
		e	02 26 13	Z	0.8	27.1 (0)		
		ePKKP	02 36 17	Z	1.0	13.7 (0)		
		eSP	02 37 11	LZ	23	30.4 (2)		
		eLQ	02 58 36	LT	35	80.2 (2)		
		eLR	03 03 30	LZ	29	71.5 (2)		
		eL	03 14 23	LZ	22	10.0 (3)		
		eL	03 14 23	LR	21	73.9 (2)		
		eL	03 14 23	LT	21	55.4 (2)		
24	WI	eP'	02 26 04.2	Z	1.0	34.2 (0)	120.0	
		ePKKP	02 36 12	Z	1.2	17.0 (0)		
		eSKKP	02 39 46	Z	1.4	13.1 (0)		
		eLQ	02 57 00	LR	37	93.3 (2)		
		eLR	03 02 25	LZ	30	54.6 (2)		
		eL	03 14 25	LZ	22	20.0 (2)		
		eL	03 14 25	LR	22	97.9 (1)		
		eL	03 14 25	LT	20	26.2 (2)		
24	MN	eP'	02 26 04.2	Z	0.9	11.6 (0)	121.0	
		e	02 26 14	Z	1.0	33.7 (0)		
		ePP	02 27 29	Z	1.5	39.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKS	02 33 02	LR	14	65.7 (1)		
		eSKKS	02 34 31	LR	18	57.2 (1)		
		eSP	02 37 08	LZ	23	21.0 (2)		
		e	02 39 10	Z	1.3	4.8 (0)		
		eSS	02 44 12	LT	25	18.8 (2)		
		eLQ	02 57 34	LT	34	68.9 (2)		
24	CP	eP'	02 26 10.0	Z	1.1	38.4 (0)	123.0	
		e	02 26 19	Z	1.0	50.9 (0)		
		ePP	02 27 44	Z	1.5	33.3 (0)		
		ePKKP	02 36 03	Z	0.9	7.6 (0)		
		eSP	02 37 40	LZ	20	15.4 (2)		
		eLQ	02 58 48	LR	47	74.2 (2)		
		eLR	03 04 42	LZ	25	22.4 (2)		
		eL	03 10 25	LZ	24	99.9 (9)		
		eL	03 10 25	LR	25	11.3 (2)		
		eL	03 10 25	LT	24	67.9 (2)		
24	FM	eP'	02 26 12.8	Z	0.8	12.5 (0)	125.0	
		e	02 26 22	Z	0.8	19.7 (0)		
		eLQ	02 59 00	LR	43	67.7 (2)		
		eLR	03 05 35	LZ	25	13.7 (2)		
		eL	03 13 15	LZ	23	36.5 (2)		
		eL	03 13 15	LR	23	18.3 (2)		
		eL	03 13 15	LT	23	31.5 (2)		
24	LC	eP'	02 26 16.3	Z	0.9	1.5 (0)	131.0	
		e	02 26 26	Z	1.2	31.9 (0)		
		e	02 26 34	Z	1.0	37.4 (0)		
		ePP	02 28 41	LZ	20	49.8 (1)		
		eSKP	02 29 47	Z	1.3	16.9 (1)		
		eSKP	02 29 48	LZ	17	10.8 (2)		
		e	02 30 04	Z	1.2	12.7 (1)		
		eSKKS	02 35 36	LT	23	52.8 (1)		
		e	02 37 10	LT	20	32.9 (1)		
		e	02 38 23	Z	2.0	19.4 (0)		
		eSPP	02 40 37	LZ	25	11.4 (2)		
		eSS	02 46 27	LT	28	13.8 (2)		
		eSSS	02 51 20	LR	30	29.3 (2)		
		eLR	03 10 00	LZ	25	40.1 (2)		
		eL	03 15 05	LZ	26	69.3 (2)		
		eL	03 15 05	LR	25	55.1 (2)		
		eL	03 15 05	LT	24	16.9 (2)		
24	NG	eP'	02 26 23.8	Z	1.0	9.7 (0)	137.0	
		eP'	02 26 25	LZ	11	73.5 (1)		
		e	02 26 33	Z	1.0	43.6 (0)		
		e	02 26 44	Z	0.9	70.9 (0)		
		eSKP	02 30 00	LZ	18	15.4 (2)		
		eLQ	03 05 00	LR	42	52.3 (2)		
		eL	03 44 00	LZ	23	56.1 (2)		
		eL	03 44 00	LR	22	18.0 (2)		
		eL	03 44 00	LT	23	34.1 (2)		
24	SJ	eP'	02 26 35.1	Z	1.0	35.4 (0)	139.0	
		eP'	02 26 36	LZ	11	14.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	02 26 45	Z	0.8	52.4 (0)		
		eSKP	02 29 52	LZ	14	16.0 (2)		
		eSKP	02 30 16	Z	1.0	44.3 (0)		
		eSS	02 48 00	LT	21	15.3 (2)		
		eL	03 12 10	LR	29	69.0 (2)		
24	DH	eP'	02 26 47.6	Z	1.1	18.6 (1)	145.0	
		eP'	02 26 48	LZ	12	27.5 (2)		
24	02 24 49.2	51.6 N 173.3 W ANDREANOF - ALEUTIAN IS. H =055 KM MAG 4.70- CGS						
24	MV	eP	02 32 01.3	Z	0.7	12.8 (0)	38.0	4.87
		e	02 32 14	Z	0.8	15.2 (0)		
24	WI	eP	02 32 11.0	Z	1.0	14.3 (0)	39.0	4.72
		e	02 32 23	Z	1.0	27.6 (0)		
24	MN	eP	02 32 20.6	Z	1.0	18.5 (0)	40.0	4.77
		e	02 32 35	Z	1.0	27.0 (0)		
24	TF	eP	02 32 29.0	Z	1.0	27.5 (0)	41.0	4.99
24	FM	eP	02 32 48.1	Z	0.7	4.5 (0)	43.0	4.31
		e	02 33 01	Z	0.8	7.1 (0)		
24	CP	eP	02 33 00.0	Z	0.8	11.7 (0)	45.0	4.75
24	LC	eP	02 33 48.5	Z	1.2	25.5 (0)	51.0	5.08
		epP	02 34 02	Z	0.8	14.7 (0)		
24	NG	eP	02 34 06.2	Z	0.8	8.6 (0)	53.0	4.78
24	SJ	eP	02 34 50.5	Z	0.8	10.4 (0)	60.0	4.97
24	DH	eP	02 35 11.8	Z	0.8	23.8 (0)	63.0	5.26
							AVG.	4.85
24	08 19 24.4	22.6 S 170.8 E LOYALTY ISLAND REGION H =033 KM						
24	MN	eP	08 32 22.6	Z	1.0	3.3 (0)	90.0	4.49
24	09 31 50.4	03.2 S 146.8 E BISMARK SEA H =033 KM MAG 5.00- CGS						
24	MN	eLR	10 15 42	LZ	24	10.6 (2)	96.0	
		eL	10 19 15	LZ	22	98.5 (1)		
		eL	10 19 15	LR	20	64.5 (1)		
		eL	10 19 15	LT	21	55.3 (1)		
24	09 43 20.2	09.0 N 125.6 E MINDANO REGION, P. I. H =051 KM MAG 5.20- CGS						

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	WI	eP	09 57 18.1	Z	1.2	5.1 (0)	104.0	5.27
24	LC	eP	10 01 56.3	Z	1.0	2.0 (0)	115.0	3.26
		ePP	10 02 55	Z	1.8	14.8 (0)		
		ePKKP	10 12 36	Z	0.8	2.4 (0)		
							AVG.	4.27
24	10 58 55.7		36.4 N 070.8 E HINDU KUSH					
			H =222 KM MAG 4.10- CGS					
24	12 04 12.7		44.8 N 141.9 E NORTH COAST HOKKAIDO, JAPAN					
			H =195 KM MAG 4.10- CGS					
24	12 44 03.2		34.4 N 047.9 E WESTERN IRAN					
			H =033 KM MAG 5.20- CGS					
24	DH	eP	12 56 51.5	Z	0.6	8.4 (0)	87.0	5.08
		eLR	13 29 25	LZ	29	29.9 (2)		
24	NG	eP	12 57 05.3	Z	1.0	9.7 (0)	91.0	5.05
		e	12 57 12	Z	1.1	47.9 (0)		
		eSKS	13 07 35	LT	13	55.7 (1)		
		ePS	13 09 10	LT	17	74.6 (1)		
		eSS	13 14 35	LR	20	67.2 (1)		
		eLQ	13 24 23	LT	40	59.2 (2)		
		eLR	13 29 03	LZ	35	41.4 (2)		
		eL	13 36 08	LZ	26	51.3 (2)		
		eL	13 36 08	LR	25	39.3 (2)		
		eL	13 36 08	LT	24	16.9 (2)		
24	LC	eP'	13 02 34.5	Z	0.9	1.2 (0)	109.0	
		ePP	13 03 06	Z	2.5	90.9 (0)		
		eSKS	13 09 15	LT	15	29.2 (1)		
		ePS	13 12 32	LT	18	59.5 (1)		
		e	13 13 46	LT	24	55.3 (1)		
		eSSS	13 22 35	LT	32	14.5 (2)		
		eLQ	13 35 36	LR	36	40.6 (2)		
		eL	13 52 15	LZ	22	26.1 (2)		
		eL	13 52 15	LR	20	21.7 (2)		
		eL	13 52 15	LT	23	31.1 (2)		
24	FM	eSKS	13 08 57	LT	14	34.4 (1)	104.0	
		ePS	13 11 42	LT	14	49.1 (1)		
		e	13 22 27	LT	27	99.3 (1)		
		eLQ	13 32 03	LT	30	24.4 (2)		
		eL	13 47 40	LZ	18	13.9 (2)		
		eL	13 47 40	LR	20	10.5 (2)		
		eL	13 47 40	LT	20	19.5 (2)		
24	SJ	eSKS	13 09 22	LT	18	56.2 (1)	111.0	
		ePS	13 12 49	LT	17	11.8 (2)		
		eLQ	13 33 15	LR	38	61.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MV	eLQ	13 35 03	LR	32	16.6 (2)	106.0	
		eLR	13 39 05	LZ	32	32.1 (2)		
		eL	13 48 15	LZ	23	46.4 (2)		
		eL	13 48 15	LR	22	12.0 (2)		
		eL	13 48 15	LT	23	27.4 (2)		
24	MN	eL	13 37 45	LR	33	24.5 (2)	106.0	
		eL	13 50 50	LZ	21	28.9 (2)		
		eL	13 50 50	LR	18	92.2 (1)		
		eL	13 50 50	LT	21	29.5 (2)		
24	WI	eLR	13 40 51	LZ	33	22.6 (2)	103.0	
		eL	13 44 35	LZ	23	23.6 (2)		
		eL	13 44 35	LR	25	29.5 (2)		
		eL	13 44 35	LT	25	32.6 (2)		
							AVG.	5.06
24	18 20 53.2		14.9 S 176.0 W FIJI ISLAND REGION					
			H =320 KM MAG 4.40- CGS					
24	20 20 42.7		13.6 S 172.8 W SAMOA ISLANDS REGION					
			H =074 KM MAG 4.00- CGS					
24	20 30 56.*		17.0 N 099.6 W NEAR GUERRERO, MEXICO					
			H =033 KM MAG 3.60- CGS					
24	MN	eP	20 36 36.5	Z	0.8	2.9 (0)	27.0	4.00
24	LC	eP	20 55 39.0	Z	0.3	2.5 (0)	2.3	
		e	20 55 44	Z	0.3	4.4 (0)		
		eS	20 56 09	R	0.4	6.0 (0)		
		eL	20 56 14	R	0.5	1.3 (0)		
24	21 35 24.4		51.8 N 178.1 W ANDREANOF - ALEUTIAN IS.ND					
			H =057 KM MAG 5.50- CGS					
24	MV	eP	21 43 01.6	Z	0.9	11.2 (1)	41.0	5.65
		ePCP	21 45 01	Z	0.8	28.6 (0)		
		e	21 45 15	Z	1.0	29.0 (0)		
		eSCP	21 48 50	Z	0.8	7.6 (0)		
		e	21 49 12	Z	1.0	12.9 (0)		
		eS	21 49 12	LT	20	59.0 (1)		
		eLQ	21 53 05	LT	37	28.7 (2)		
		eSCS	21 53 28	R	1.5	25.5 (0)		
		eLR	21 54 35	LZ	25	20.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MN	iP	21 43 21.8C	Z	999.9	99.9 (9)	43.0	
		ePCP	21 45 09	Z	0.8	17.9 (0)		
		eSCP	21 49 01	Z	0.8	3.9 (0)		
		eS	21 49 37	LR	15	65.2 (1)		
		eS	21 49 37	LT	15	44.4 (1)		
		eS	21 49 46	R	2.0	40.6 (0)		
		eS	21 49 46	T	2.0	66.4 (0)		
		eSCS	21 53 16	R	1.5	4.7 (0)		
		eSS	21 53 21	LT	21	95.9 (1)		
		e	21 53 44	R	2.1	40.6 (0)		
		eLQ	21 54 02	LT	34	19.0 (2)		
		eLR	21 56 16	LZ	30	27.4 (2)		
		eL	21 57 25	LZ	23	19.6 (2)		
		eL	21 57 25	LR	22	13.3 (2)		
		eL	21 57 25	LT	23	10.4 (2)		
24	TF	iP	21 43 29.3C	Z	0.8	65.1 (0)	44.0	5.41
		ePCP	21 45 12	Z	0.8	24.4 (0)		
		eSCP	21 49 07	Z	0.6	7.6 (0)		
		eS	21 50 00	LR	21	92.3 (1)		
		eS	21 50 00	LT	21	99.2 (1)		
		eLR	21 55 50	LZ	26	25.6 (2)		
		eL	21 56 33	LZ	25	24.5 (2)		
		eL	21 56 33	LR	24	92.5 (1)		
		eL	21 56 33	LT	25	22.5 (2)		
24	FM	iP	21 43 47.1C	Z	0.9	55.9 (0)	46.0	5.47
		eS	21 50 35	LR	14	69.8 (1)		
		eS	21 50 35	LT	15	64.6 (1)		
		eSS	21 54 02	LT	19	77.1 (1)		
		eLQ	21 55 37	LR	30	13.9 (2)		
		eLR	21 57 58	LZ	25	21.2 (2)		
24	CP	iP	21 44 03.0C	Z	999.9	99.9 (9)	48.0	
		ePCP	21 45 30	Z	0.9	28.3 (0)		
		eLR	21 52 47	LZ	25	19.1 (2)		
24	LC	iP	21 44 46.1C	Z	0.5	99.9 (9)	54.0	
		eP	21 44 47	LZ	21	25.2 (1)		
		eS	21 52 21	LR	22	34.6 (1)		
		eS	21 52 21	LT	20	16.4 (1)		
		eSS	21 56 18	LR	23	83.3 (1)		
		eLQ	21 58 55	LT	35	20.8 (2)		
		eLR	22 01 46	LZ	32	17.6 (2)		
		eL	22 03 35	LZ	25	81.9 (1)		
		eL	22 03 35	LR	25	83.3 (1)		
		eL	22 03 35	LT	24	55.3 (1)		
24	NG	iP	21 44 57.5C	Z	0.7	19.8 (1)	56.0	6.25
		ePCP	21 45 56	Z	0.8	86.1 (0)		
		eS	21 52 41	LR	20	25.2 (1)		
		eS	21 52 41	LT	23	23.9 (1)		
		eLQ	21 57 46	LT	19	33.1 (1)		
		eLR	22 03 15	LZ	27	17.6 (2)		
		eL	22 06 05	LZ	26	15.7 (2)		
		eL	22 06 05	LR	24	12.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	22 06 05	LT	25	11.6 (2)		
24	SJ	iP	21 45 46.1C	Z	0.9	16.3 (1)	63.0	6.04
		eLQ	22 03 15	LT	28	30.9 (2)		
		eL	22 05 50	LT	22	24.8 (2)		
24	DH	eP	21 46 00.5	Z	0.5	57.0 (0)	65.0	5.88
		ePCP	21 46 34	Z	0.6	37.9 (0)		
		eLR	22 07 28	LZ	30	21.5 (2)		
		eL	22 14 00	LZ	22	25.8 (2)		
		eL	22 14 00	LR	23	65.7 (1)		
		eL	22 14 00	LT	21	13.3 (2)		
24	WI	eS	21 49 25	LR	15	50.2 (1)	42.0	
		eS	21 49 25	LT	15	73.3 (1)		
		eSS	21 52 45	LT	19	11.5 (2)		
		eLR	21 55 29	LZ	28	32.3 (2)		
		eL	21 56 45	LR	24	27.6 (2)		
		eL	21 56 45	LT	24	98.1 (1)		
		eL	21 56 45	LZ	24	26.5 (2)		
						AVG.		5.78
24	WI	eP	23 36 53.0	Z	0.7	3.3 (0)		

25 02 39 47.9 52.2 N 171.2 W ANDREANOF - ALEUTIAN IS.
H =044 KM MAG 3.40- CGS

25 03 55 01.* 14.0 N 121.9 E SOUTHERN LUZON, P. I.
H =033 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MN	eP	05 58 50.3	Z	0.7	2.5 (0)		

25 08 08 56.6 16.3 N 119.7 E NEAR COAST OF LUZON, P. I.
H =036 KM MAG 4.70- CGS

25 09 28 44.1 36.0 N 114.9 W SOUTHERN NEVADA
H =017 KM MAG 4.30- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	CP	eP	09 29 37.7	Z	0.3	3.5 (0)	3.5	3.87
		e	09 29 53	Z	0.6	36.7 (0)		
		e	09 29 57	LR	13	97.8 (1)		
		eL	09 30 31	R	0.8	83.3 (0)		
		eLQ	09 30 41	LT	18	43.5 (2)		
25	MN	iP	09 29 39.0C	Z	0.3	5.7 (0)	3.6	4.08
		iP	09 29 40	LZ	12	30.0 (1)		
		e	09 29 52	LR	16	11.6 (2)		
		eLQ	09 30 36	LT	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	09 30 55	LZ	.8	22.5 (2)		
25	FM	eP	09 29 41.7	Z	0.8	13.3 (0)	3.9	4.02
		e	09 29 43	LR	16	60.7 (1)		
		e	09 29 51	Z	0.8	86.7 (0)		
		eLQ	09 30 40	LT	14	60.2 (2)		
		eL	09 30 41	R	0.9	20.5 (1)		
25	TF	eP	09 29 48.0	Z	0.3	4.3 (0)	4.2	4.26
		e	09 30 02	Z	999.9	99.9 (9)		
		eP	09 30 05	LZ	20	91.4 (0)		
		eL	09 31 07	R	0.8	18.9 (1)		
		eLQ	09 31 15	LR	11	52.8 (1)		
25	WI	tP	09 30 08.4	Z	0.4	2.6 (0)	5.7	4.15
		tP	09 30 09	LZ	.7	67.8 (0)		
		e	09 30 33	LR	14	35.6 (1)		
		eLQ	09 31 41	LT	11	73.7 (2)		
		eLR	09 32 16	LZ	9	76.8 (4)		
25	MV	eP	09 30 17.4	Z	0.5	1.2 (0)	6.0	3.88
		e	09 30 56	Z	0.8	30.8 (0)		
		eL	09 32 17	T	0.9	99.9 (9)		
25	LC	eP	09 30 36.2	Z	0.3	0.7 (0)	8.0	4.29
		e	09 31 03	Z	0.7	19.6 (0)		
		e	09 31 10	LR	18	20.5 (1)		
		eLQ	09 32 23	LT	18	20.8 (2)		
		eL	09 32 44	T	1.0	15.8 (1)		
25	SJ	eP	09 32 37.5	Z	999.9	99.9 (9)	16.0	
		eP	09 32 40	LZ	8	12.2 (4)		
		eS	09 36 05	LR	11	50.9 (1)		
		eLQ	09 37 19	LT	21	53.2 (2)		
		eL	09 37 32	T	1.8	19.0 (1)		
		eLR	09 38 58	LZ	12	19.5 (2)		
25	NG	eP	09 33 41.5	Z	1.0	38.0 (0)	22.0	4.76
		e	09 33 45	Z	1.0	52.3 (0)		
		eL	09 40 11	T	1.0	9.1 (0)		
25	DH	eP	09 35 04.5	Z	0.5	7.6 (0)	31.0	4.85
		eLQ	09 45 28	LT	17	11.7 (2)		
		eLR	09 47 35	LZ	11	12.6 (2)		
							AVG.	4.24

25 12 53 05.* 10.6 S 120.4 E S. COAST OF SUMBAWA
H =033 KM MAG 5.60- CGS

25	LC	eP	13 15 35.2	Z	0.9	2.3 (0)	
25	DH	eP	17 05 47.5	Z	0.5	7.6 (0)	
25	DH	eL	17 06 09	R	0.5	14.2 (0)	

25 17 43 55.* 45.0 N 111.3 W SOUTHWESTERN MONTANA
H =033 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	WI	eP	17 45 26.2	Z	0.3	2.3 (0)	5.8	4.16
25	MN	eP	17 45 56.0	Z	999.9	99.9 (9)	8.0	

25 19 48 10.1 51.4 N 178.8 W ANDREANOF - ALEUTIAN IS.
H =104 KM MAG 4.20- CGS

25 20 17 03.8 56.3 S 149.9 E MACQUARIE ISLAND REGION
H =039 KM MAG 5.00- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	WI	eP'	20 36 01.0	Z	1.2	5.1 (0)	124.0	
		e	20 36 07	Z	1.3	14.9 (0)		
		eSS	20 55 10	LT	34	63.5 (1)		
		eLQ	21 09 09	LT	32	59.6 (1)		
		eLR	21 15 37	LZ	26	12.3 (2)		
		eL	21 20 00	LZ	22	16.3 (2)		
		eL	21 20 00	LR	23	76.9 (1)		
		eL	21 20 00	LT	21	13.6 (2)		
25	NG	eP'	20 36 32.2	Z	1.0	23.8 (0)	143.0	
		e	20 36 39	Z	1.0	57.1 (0)		
		eSS	20 58 42	LT	1.8	28.5 (2)		
		eSSS	21 04 20	LT	1.8	17.4 (2)		
		e	21 08 10	LT	2.5	58.3 (2)		
		eLQ	21 17 45	LT	999.9	99.9 (9)		
		eLR	21 25 53	LZ	23	39.4 (1)		
		eL	21 35 10	LR	20	78.1 (1)		
		eL	21 35 10	LZ	20	69.6 (1)		
		eL	21 35 10	LT	18	31.3 (1)		
25	MN	eSS	20 54 30	LR	18	39.6 (1)	122.0	
		eLQ	21 06 58	LR	30	15.4 (2)		
		eLR	21 14 57	LZ	30	13.0 (2)		
		eL	21 21 16	LZ	20	21.1 (2)		
		eL	21 21 16	LR	21	62.9 (1)		
		eL	21 21 16	LT	19	14.8 (2)		
25	LC	eSS	20 55 05	LR	26	38.7 (1)	124.0	
		eSSS	20 59 40	LR	25	30.5 (1)		
		eLQ	21 09 07	LR	42	19.8 (2)		
		eLR	21 15 10	LZ	28	68.2 (1)		
25	SJ	eSS	20 55 20	LR	24	13.2 (2)	124.0	
		eLQ	21 10 05	LR	35	29.1 (2)		
		eLR	21 15 23	LT	25	14.2 (2)		
		eL	21 29 12	LZ	15	11.2 (2)		
		eL	21 29 12	LR	17	97.4 (1)		
		eL	21 29 12	LT	15	29.7 (2)		
25	FM	eSS	20 55 30	LT	18	52.4 (1)	126.0	
		eLQ	21 09 45	LT	32	19.6 (2)		
		eLR	21 19 03	LZ	20	90.1 (1)		
		eL	21 26 42	LZ	17	15.8 (2)		
		eL	21 26 42	LR	18	91.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	21 26 42	LT	19	60.6 (1)		
25	CP	eLR	21 12 32	LZ	22	11.3 (2)	119.0	
25	TF	eLR	21 14 35	LZ	22	17.2 (1)	118.0	
25	DH	eLR	21 28 15	LZ	36	13.5 (2)	148.0	
25	FM	eP	21 51 28	Z	0.3	2.6 (0)		
25	FM	eL	21 52 30	R	0.7	15.2 (0)		
25	22 46 16.2		00.7 N 096.5 E OFF COAST OF SUMATRA H =030 KM MAG 5.60- CGS					
25	MV	eP'	23 05 19.8	Z	1.0	29.3 (0)	127.0	
		e	23 05 30	Z	0.8	19.2 (0)		
25	WI	eP'	23 05 21.2	Z	1.1	32.9 (0)	128.0	
		e	23 05 32	Z	1.1	31.5 (0)		
25	MN	eP'	23 05 24.4	Z	1.1	20.8 (0)	130.0	
		e	23 05 36	Z	1.0	19.4 (0)		
		ePP	23 07 48	Z	1.8	44.2 (0)		
		eL	23 48 31	LZ	28	53.1 (1)		
25	TF	eP'	23 05 27.6	Z	1.0	40.9 (0)	131.0	
		e	23 05 39	Z	0.9	28.3 (0)		
25	FM	eP'	23 05 30.0	Z	0.9	20.2 (0)	132.0	
		e	23 05 41	Z	0.7	20.5 (0)		
25	NG	eP'	23 05 30.0	Z	1.0	19.0 (0)	134.0	
		e	23 05 42	Z	0.8	14.0 (0)		
		e	23 07 55	Z	1.0	14.2 (0)		
		ePP	23 08 05	Z	0.8	11.2 (0)		
		ePKS	23 09 00	T	1.0	18.3 (0)		
		ePKS	23 09 00	LT	13	35.9 (1)		
25	CP	eP'	23 05 33.3	Z	0.9	9.8 (0)	135.0	
		e	23 05 42	Z	0.9	13.0 (0)		
25	SJ	eP'	23 06 00.0	Z	8.0	11.2 (3)	148.0	
		eP'	23 06 05	LZ	12	19.0 (2)		
		e	23 06 05	Z	10.0	23.4 (4)		
		e	23 06 13	Z	8.0	18.2 (4)		
		e	23 06 17	Z	9.0	16.1 (4)		
		ePP	23 09 43	LZ	11	10.1 (2)		
26	08 23 51.9		15.0 S 173.3 W SAMOA ISLANDS H =033 KM MAG 4.60- CGS					
26	LC	eP	08 35 56.5	Z	1.0	5.9 (0)	79.0	4.50
26	08 50 45.4		04.2 S 152.6 E NEW IRELAND REGION H =120 KM MAG 5.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	09 48 19.7		29.7 S 177.8 W KERMADEC ISLANDS H =045 KM MAG 6.75-7.00 PAS					
26	TF	eP	10 00 49.8	Z	1.0	83.3 (0)	84.0	5.78
		eP	10 00 51	LZ	999.9	99.9 (9)		
		e	10 10 52	LR	999.9	99.9 (9)		
		eSS	10 17 00	LT	32	26.2 (3)		
		ePKKP	10 19 05	Z	999.9	99.9 (9)		
		e	10 23 40	LR	30	19.9 (3)		
		eLR	10 26 30	LZ	999.9	99.9 (9)		
		eP'P'	10 27 13	Z	1.3	40.0 (0)		
26	CP	eP	10 00 52.8	Z	1.5	27.4 (1)	85.0	6.12
		eP	10 00 53	LZ	999.9	99.9 (9)		
		e	10 01 05	Z	999.9	99.9 (9)		
		e	10 06 37	Z	2.2	12.9 (1)		
		e	10 10 38	LT	18	24.7 (2)		
		e	10 11 24	R	2.5	12.3 (1)		
		e	10 12 41	T	7.0	31.2 (2)		
		ePKKP	10 19 02	Z	0.6	2.3 (0)		
		eP'P'	10 27 09	Z	1.0	11.3 (0)		
		eP'P'P'	10 47 05	Z	999.9	99.9 (9)		
26	MV	eP	10 00 58.7	Z	1.5	18.2 (1)	86.0	5.89
		eP	10 00 58	LZ	999.9	99.9 (9)		
		ePP	10 04 23	LZ	25	99.9 (9)		
		ePP	10 04 39	Z	1.5	86.2 (0)		
		e	10 11 00	LZ	25	99.9 (9)		
		e	10 11 29	R	5.0	59.9 (1)		
		e	10 11 49	R	3.5	56.4 (1)		
		ePKKP	10 19 01	Z	0.9	5.0 (0)		
		e	10 19 54	Z	1.0	8.1 (0)		
		eP'P'	10 27 08	Z	1.0	13.0 (0)		
26	MN	tP	10 01 05.0C	Z	999.9	99.9 (9)	88.0	
		tP	10 01 07 C	LZ	999.9	99.9 (9)		
		ePP	10 04 44	Z	2.5	36.9 (1)		
		eSKS	10 11 39	LR	999.9	99.9 (9)		
		eSKS	10 11 40	T	3.5	32.7 (1)		
		ePS	10 12 57	R	7.0	29.0 (2)		
		ePKKP	10 18 55	Z	0.8	9.9 (0)		
		eP'P'	10 27 09	Z	2.0	11.6 (1)		
		eL	10 29 02	Z	28.5	99.9 (9)		
26	WI	eP	10 01 16.0	Z	1.5	99.9 (9)	90.0	
		eP	10 01 17	LZ	999.9	99.9 (9)		
		eSKS	10 11 52	R	3.0	26.4 (1)		
		ePKKP	10 18 48	Z	0.7	2.3 (0)		
		eP'P'	10 26 59	Z	1.3	11.3 (0)		
26	LC	eP	10 01 23.2	Z	1.3	83.7 (0)	91.0	5.86
		eP	10 01 26	LZ	999.9	99.9 (9)		
		e	10 01 31	Z	1.0	87.1 (0)		
		ePP	10 05 16	LZ	27	47.6 (2)		
		e	10 11 59	T	5.4	95.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		e	10 12 06	LR	999.9	99.9	(9)		
		e	10 12 33	T	6.0	31.0	(2)		
		ePKKP	10 18 50	Z	0.8	6.4	(0)		
		e	10 19 28	Z	2.1	99.0	(0)		
		eP'P'	10 26 48	Z	1.0	4.9	(0)		
		e	10 27 15	Z	2.5	16.0	(1)		
26	FM	eP	10 01 25.1	Z	1.0	31.4	(0)	92.0	5.59
		eP	10 01 27	LZ	22	99.9	(9)		
		e	10 01 32	Z	1.1	87.4	(0)		
		e	10 12 06	R	3.5	44.7	(1)		
		e	10 12 10	LT	999.9	99.9	(9)		
		ePKKP	10 18 49	Z	999.9	99.9	(9)		
		eLR	10 30 10	LZ	999.9	99.9	(9)		
26	SJ	eP	10 01 38	LZ	12	87.7	(2)	95.0	
		eSKS	10 12 25	T	3.2	17.7	(2)		
		eSKS	10 12 25	LR	999.9	99.9	(9)		
		eS	10 12 58	T	4.2	27.0	(2)		
26	NG	eP	10 02 53	LZ	21	32.6	(2)	110.0	
		eP'	10 06 45.2	Z	999.9	99.9	(9)		
		ePP	10 07 25	LZ	22	65.1	(2)		
		ePP	10 07 37	Z	1.0	19.0	(0)		
		eSKS	10 13 34	LR	23	38.3	(2)		
		eS	10 15 12	LT	999.9	99.9	(9)		
		e	10 17 10	LZ	999.9	99.9	(9)		
		ePKKP	10 17 49	Z	0.9	14.6	(0)		
26	DH	ePD	10 03 33	LZ	22	20.0	(2)	118.0	
		ePKP	10 07 03	LZ	18	12.2	(2)		
		ePKP	10 07 13	Z	0.8	29.4	(0)		
		ePP	10 08 31	LZ	22	67.1	(2)		
		ePP	10 08 34	Z	1.3	76.4	(0)		
		eSKS	10 13 58	LR	23	59.3	(2)		
		eSKKS	10 15 23	LR	24	94.6	(2)		
		e	10 16 24	LT	22	51.0	(2)		
		ePS	10 18 08	LR	25	99.9	(9)		
		eSPP	10 19 40	LZ	23	16.2	(2)		
		eSS	10 24 48	LT	25	17.1	(3)		
		ePSS	10 25 07	LR	30	99.9	(9)		
		e	10 29 48	LR	25	99.9	(9)		
		e	10 33 11	LZ	27	99.9	(9)		
		eLQ	10 37 42	LT	45	99.9	(9)		
		eLR	10 44 17	LZ	999.9	99.9	(9)		
								AVG.	5.85

26 11 46 02.5 30.1 S 177.4 W KERMADEC ISLAND REGION
H =050 KM

26	CP	eP	11 58 34.5	Z	1.1	12.2	(0)	85.0	4.89
26	MV	eP	11 58 40.5	Z	1.1	14.0	(0)	86.0	4.90
26	WI	eP	11 58 58.1	Z	1.2	18.0	(0)	90.0	5.12

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
26	LC	eP	11 59 04.8	Z	1.1	6.1	(0)	91.0	4.79
								AVG.	4.93

26 12 51 39.7 29.9 S 177.6 W KERMADEC ISLANDS
H =060 KM MAG 4.90- CGS

26	CP	eP	13 04 11.3	Z	1.0	14.1	(0)	85.0	4.97
26	MV	eP	13 04 17.0	Z	1.1	16.0	(0)	86.0	4.94
26	MN	eP	13 04 23.5	Z	0.9	12.9	(0)	88.0	5.07
26	WI	eP	13 04 34.0	Z	1.3	22.6	(0)	90.0	5.18
26	LC	eP	13 04 41.9	Z	1.2	7.6	(0)	91.0	4.84
								AVG.	5.00

26 13 25 02.6 29.8 S 177.9 W KERMADEC ISLANDS
H =042 KM MAG 5.90- CGS

26	TF	eP	13 37 34.2	Z	0.9	64.1	(0)	85.0	5.72
		eP	13 37 37	LZ	15	74.8	(2)		
		e	13 37 51	Z	0.8	98.6	(0)		
		e	13 48 02	LR	21	99.9	(9)		
		e	13 52 56	LR	22	63.9	(2)		
		e	13 59 25	LT	21	94.0	(2)		
		eLQ	14 00 43	LT	24	15.9	(3)		
		eLR	14 03 07	LZ	999.9	99.9	(9)		
26	CP	eP	13 37 35.2	Z	1.0	96.3	(0)	85.0	5.85
		eP	13 37 37	LZ	20	58.1	(2)		
		e	13 37 53	Z	1.0	13.3	(1)		
		ePP	13 40 59	Z	2.1	91.0	(1)		
		e	13 48 01	LR	999.9	99.9	(9)		
		e	13 48 07	R	6.0	10.5	(3)		
		eSS	13 53 42	LR	22	63.2	(2)		
		e	13 57 17	LZ	28	71.4	(2)		
		e	14 00 00	LR	26	55.2	(2)		
		e	14 00 52	LZ	24	93.5	(2)		
		eLR	14 03 37	LZ	999.9	99.9	(9)		
26	MV	eP	13 37 41.3	Z	1.3	10.0	(1)	86.0	5.70
		e	13 37 58	Z	1.5	22.0	(1)		
		ePP	13 41 18	Z	1.5	38.3	(0)		
		e	13 48 03	LT	999.9	99.9	(9)		
		eSS	13 54 00	LR	20	41.8	(2)		
		e	14 00 32	LR	40	93.5	(2)		
		eL	14 04 20	LT	999.9	99.9	(9)		
26	MN	eP	13 37 48.0	Z	1.0	99.9	(9)	88.0	
		eP	13 37 48	LZ	22	37.1	(2)		
		ePP	13 41 29	Z	2.5	19.0	(1)		
		e	13 48 09	LR	14	13.7	(2)		
		e	13 48 22	LT	999.9	99.9	(9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	13 48 36	T	4.0	66.9 (1)		
		ePKKP	13 55 35	Z	0.9	3.8 (0)		
		e	14 00 12	LR	999.9	99.9 (9)		
		eP'P'	14 03 41.6	Z	1.2	5.1 (0)		
		eLR	14 04 50	LZ	999.9	99.9 (9)		
26	WI	eP	13 37 58.0	Z	0.9	32.5 (0)	90.0	5.51
		ePKKP	13 55 32	Z	0.8	4.1 (0)		
26	LC	eP	13 38 05.5	Z	1.0	19.8 (0)	91.0	5.35
		eP	13 38 07	LZ	20	28.9 (2)		
		e	13 38 24	Z	1.1	73.3 (0)		
		e	13 48 37	LT	22	99.9 (9)		
		e	13 48 41	T	4.5	31.8 (1)		
		e	13 49 15	T	6.0	18.2 (2)		
		eSS	13 55 24	LR	19	99.9 (9)		
		eSSS	13 58 55	LT	999.9	99.9 (9)		
		eLQ	14 02 50	LT	30	47.7 (2)		
		eLR	14 06 30	LZ	999.9	99.9 (9)		
26	FM	eP	13 38 08.2	Z	0.8	16.3 (0)	92.0	5.40
		eP	13 38 09	LZ	15	29.2 (2)		
		e	13 38 26	Z	1.1	58.3 (0)		
		e	13 48 36	LR	26	99.9 (9)		
		eSS	13 55 33	LR	23	99.9 (9)		
		eSSS	13 59 05	LR	30	99.9 (9)		
		eLR	14 07 11	LZ	34	99.9 (9)		
26	SJ	eP	13 38 25	LZ	15	48.5 (2)	95.0	
		ePP	13 42 20	LZ	17	21.4 (2)		
		eSKS	13 49 00	LR	24	47.3 (2)		
		eL	14 03 18	LT	28	96.6 (2)		
26	NG	ePP	13 44 05	LZ	22	17.4 (2)	111.0	
		eSKS	13 50 10	LR	22	25.2 (2)		
		eS	13 51 07	LR	17	17.7 (2)		
		e	13 52 52	LT	23	23.5 (2)		
		eSP	13 53 50	LZ	22	71.3 (2)		
		eSS	13 59 50	LR	33	81.2 (2)		
		eLQ	14 10 25	LT	40	12.5 (3)		
		eLR	14 17 00	LZ	34	99.9 (9)		
26	DH	ePP	13 45 07	LZ	20	14.4 (2)	118.0	
		e	13 46 05	LZ	24	14.6 (2)		
		eSKS	13 50 41	LR	14	25.9 (2)		
		eS	13 51 52	LR	15	20.6 (2)		
		eSP	13 55 00	LZ	23	52.3 (2)		
		ePPS	13 56 15	LR	22	46.5 (2)		
		eSS	14 01 44	LR	31	11.7 (3)		
		eLQ	14 15 00	LT	45	19.9 (3)		
		eLR	14 21 10	LZ	32	83.8 (2)		
							AVG.	5.59

26 14 34 16.5 18.0 S 168.0 E NEW HEBRIDES ISLANDS
H =032 KM MAG 4.90- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	CP	eP	14 47 06.0	Z	0.7	7.0 (0)	88.0	5.00
26	MN	eP	14 47 10.0	Z	0.9	7.1 (0)	89.0	4.86
26	WI	eP	14 47 17.0	Z	0.6	5.9 (0)	91.0	5.06
							AVG.	4.97

26 18 23 08.3 51.3 N 178.8 E RAT - ALEUTIAN ISLANDS
H =050 KM MAG 4.40- CGS

26	LC	eP	18 32 45.2	Z	0.6	4.9 (0)	56.0	4.71
		e	18 32 58	Z	0.7	8.8 (0)		

26 19 47 46.0 44.4 N 146.7 E KURILE ISLANDS
H =110 KM MAG 5.60- CGS

26	MV	eP	19 58 15.0	Z	0.5	7.3 (0)	65.0	4.84
26	MN	eP	19 58 31.0	Z	999.9	99.9 (9)	68.0	
26	CP	eP	19 58 59.0	Z	1.0	14.1 (0)	72.0	4.74
26	LC	eP	19 59 35.6	Z	0.8	11.7 (0)	78.0	4.75
							AVG.	4.78

26 21 34 41.1 36.0 N 135.7 E E. COAST OF HONSHU, JAPAN
H =033 KM MAG 5.90- CGS

26	MV	eP	21 46 32.0	Z	1.2	13.5 (1)	77.0	5.85
		eS	21 56 22	LT	22	25.8 (2)		
		eSS	22 01 16	LT	20	20.4 (2)		
		eL	22 07 20	LT	999.9	99.9 (9)		
26	WI	eP	21 46 37.6	Z	999.9	99.9 (9)	78.0	
26	MN	eP	21 46 45.4	Z	1.1	10.2 (1)	79.0	5.70
		eP	21 46 46	LZ	14	99.9 (9)		
		e	21 48 22	LZ	16	10.0 (2)		
		eS	21 56 47	LR	999.9	99.9 (9)		
		eSS	22 02 00	LT	25	18.0 (2)		
		eL	22 08 12	LT	999.9	99.9 (9)		
26	TF	eP	21 46 50.5	Z	1.2	23.0 (1)	80.0	5.95
		eP	21 46 51	LZ	12	29.1 (2)		
		eS	21 56 58	LR	20	27.5 (2)		
		e	21 58 53	LT	15	22.8 (2)		
		e	22 00 00	LT	22	21.4 (2)		
		eLQ	22 08 15	LR	23	12.4 (3)		
		eLR	22 12 27	LZ	25	61.5 (2)		
26	FM	eP	21 47 02.5	Z	999.9	99.9 (9)	83.0	
26	CP	eP	21 47 09.5	Z	1.3	10.6 (1)	84.0	5.81
		eP	21 47 12	LZ	13	20.3 (2)		
		ePP	21 50 22	Z	2.0	61.9 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	21 57 33	LR	13	24.5 (2)		
		e	22 09 32	LT	32	79.0 (2)		
		eLR	22 13 47	LZ	23	44.6 (2)		
26	NG	eP	21 47 37.5	Z	1.2	73.2 (0)	90.0	5.75
		eP	21 47 38	LZ	12	17.5 (2)		
		ePP	21 51 12	LZ	15	10.3 (2)		
		eSKS	21 58 08	LT	17	14.2 (2)		
		ePS	21 59 45	LT	14	28.8 (2)		
		eSS	22 04 26	LT	21	99.9 (9)		
		e	22 11 35	LR	26	27.1 (2)		
		eLQ	22 14 11	LR	48	11.6 (3)		
		eLR	22 18 36	LZ	45	96.0 (2)		
26	LC	eP	21 47 43	LZ	15	97.8 (1)	90.0	
		e	21 58 12	LR	18	12.5 (2)		
		e	21 58 42	LT	21	19.5 (2)		
26	DH	eP	21 48 10	LZ	14	10.1 (2)	97.0	
		ePP	21 52 10	LZ	17	12.2 (2)		
		eLQ	22 18 06	LR	52	13.8 (3)		
		eLR	22 22 26	LZ	44	70.6 (2)		
26	SJ	eP	21 48 22	LZ	13	14.0 (2)	99.0	
		ePP	21 52 22	LZ	12	19.5 (2)		
		eS	21 59 50	LT	20	16.8 (2)		
		eL	22 17 15	LT	25	76.5 (2)		
							AVG.	5.81

26 22 36 48.0 34.0 N 139.8 E COAST OF S. HONSHU, JAPAN
H =100 KM MAG 4.50- CGS

26 23 52 05.* 07.0 S 129.0 E BANDA SEA
H =235 KM

27	LC	eP	00 39 38.7	Z	1.0	5.0 (0)		

27 02 31 51.5 06.8 N 073.8 W COLOMBIA
H =033 KM

27	LC	eP	02 39 24.7	Z	0.9	6.9 (0)	40.0	4.35

27 03 39 04.9 37.0 N 071.9 E HINDU KUSH
H =189 KM

27 05 12 07.* 44.5 N 145.6 E KURILE ISLANDS
H =033 KM MAG 4.20- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

27 06 49 23.0 35.6 N 135.8 E SOUTH HONSHU, JAPAN
H =033 KM MAG 4.10- CGS

27	MN	eP	07 01 29.4	Z	1.0	3.4 (0)	80.0	4.19

27 07 22 08.9 44.3 N 110.6 W YELLOWSTONE NAT. PARK, WYO.
H =033 KM MAG 4.20- CGS

27	FM	eP	07 23 25.5	Z	0.4	4.0 (0)	5.0	4.26
		e	07 23 40	Z	0.5	11.7 (0)		
27	WI	eP	07 23 34.3	Z	0.5	1.0 (0)	6.0	3.74
		e	07 23 42	Z	999.9	99.9 (9)		
27	MN	eP	07 24 08.8	Z	0.5	1.2 (0)	8.0	4.21
		e	07 24 36	Z	0.6	4.9 (0)		
		eL	07 26 25	Z	1.0	11.9 (0)		
							AVG.	4.07

27 09 11 43.7 51.1 N 130.1 W QUEEN CHARLOTTE ISLANDS
H =033 KM MAG 3.50- CGS

27	WI	eP	09 14 59.5	Z	1.1	5.9 (0)	13.0	4.50
27	MN	eP	09 15 12.8	Z	1.3	6.5 (0)	15.0	3.90
27	LC	eP	09 17 11.2	Z	1.0	5.0 (0)	25.0	4.09
							AVG.	4.16

27	MN	eP	11 14 43.0	Z	1.0	3.4 (0)		

27 12 31 51.9 06.8 N 073.0 W COLOMBIA
H =176 KM MAG 4.60- CGS

27	LC	eP	12 39 14.3	Z	0.8	17.7 (0)	40.0	4.71
		ePP	12 40 45	Z	1.0	14.0 (0)		
		eSCP	12 44 52	Z	1.0	5.0 (0)		
27	NG	eP	12 39 19.0	Z	0.6	43.8 (0)	41.0	5.23
27	MN	eP	12 40 42.0	Z	0.7	2.5 (0)	51.0	3.98
							AVG.	4.64

27 13 15 30.2 06.3 N 073.1 W COLOMBIA
H =147 KM MAG 5.00- CGS

27	LC	eP	13 22 58.3	Z	1.0	9.0 (0)	41.0	4.41

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	13 23 51	Z	0.7	2.4 (0)		
27		15 15 43.0	45.3 N 109.8 W SOUTHERN MONTANA H =033 KM					
27		21 19 01.2	51.4 N 179.1 W ANDREANOF - ALEUTIAN IS. H =033 KM MAG 4.20- CGS					
28	SJ	eP	00 09 48.9	Z	0.9	20.2 (0)		
28	MN	eP	01 06 12.8C	Z	999.9	99.9 (9)	59.0	
28		00 15 47.5	66.3 N 019.6 W ICELAND H =015 KM MAG 7.00-7.25 PAS					
28	DH	eP	00 23 09.1	Z	0.7	44.4 (0)	38.0	5.33
		eP	00 23 10	LZ	14	57.4 (2)		
		ePP	00 24 30	LZ	15	10.0 (3)		
		eS	00 29 00	LR	999.9	99.9 (9)		
		eSS	00 31 35	LR	30	99.9 (9)		
28	NG	eP	00 23 29.3	Z	1.0	38.8 (0)	41.0	5.10
		eP	00 23 29	LZ	13	31.5 (2)		
		ePP	00 25 03	LZ	14	32.5 (2)		
		eS	00 29 40	LR	22	15.6 (2)		
		eL	00 37 10	R	17.0	17.9 (4)		
28	FM	eP	00 25 26.8	Z	1.1	12.0 (1)	56.0	5.84
		eP	00 25 28	LZ	14	22.7 (2)		
		eS	00 33 17	LT	999.9	99.9 (9)		
		eL	00 43 59	T	16.5	31.3 (4)		
28	MN	eP	00 25 46.0	Z	1.2	66.7 (0)	59.0	5.54
		eP	00 25 49	LZ	17	18.1 (2)		
		ePP	00 28 00	LZ	21	13.1 (2)		
		eL	00 45 32	R	17.0	21.7 (4)		
28	MV	eP	00 25 50.3	Z	1.1	50.2 (0)	59.0	5.45
		eL	00 48 00	R	16.0	92.0 (3)		
28	LC	eP	00 25 52.2	Z	1.4	18.7 (1)	60.0	5.94
		eP	00 25 53	LZ	12	96.7 (1)		
		eS	00 34 05	LR	999.9	99.9 (9)		
		eS	00 34 08	R	6.0	22.8 (2)		
		eL	00 45 44	R	18.0	16.3 (4)		
28	SJ	eP	00 25 59.3	Z	0.8	46.6 (0)	61.0	5.65
		eP	00 26 00	LZ	13	52.5 (2)		
		ePP	00 28 08	LZ	13	48.0 (2)		
		ePPP	00 29 40	LZ	13	99.9 (9)		
		eL	00 46 37	T	15.0	24.4 (4)		
28	TF	eP	00 26 10.3	Z	1.0	58.3 (0)	62.0	5.73

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	00 26 18	LZ	13	22.4 (2)		
		ePP	00 28 25	LZ	20	13.5 (2)		
		ePPP	00 30 00	LZ	23	30.1 (2)		
		eS	00 34 40	LR	24	76.2 (2)		
		eS	00 34 40	LT	22	14.9 (3)		
		e	00 36 10	LZ	16	37.9 (2)		
		eSS	00 38 37	LT	22	13.0 (3)		
		eLQ	00 41 25	LT	999.9	99.9 (9)		
		eL	00 46 20	T	17.0	15.8 (4)		
28	CP	eP	00 26 17.3	Z	1.0	60.0 (0)	63.0	5.64
		eP	00 26 21	LZ	13	19.6 (2)		
		e	00 30 17	LZ	21	21.4 (2)		
		eS	00 34 34	LT	19	91.1 (2)		
		eSCS	00 36 18	LT	21	99.9 (9)		
		eSS	00 38 50	LR	16	99.9 (9)		
		eL	00 46 37	T	19.0	35.5 (4)		
		eLR	00 47 17	LZ	24	99.9 (9)		
							AVG.	5.58
28		00 26 27.*	66.3 N 020.2 W ICELAND H =033 KM MAG 4.60- CGS					
28	DH	eP	00 33 46.5	Z	0.8	11.7 (0)	38.0	4.73
		e	00 34 31	Z	0.7	24.6 (0)		
28	NG	eP	00 34 06.5	Z	0.9	11.2 (0)	41.0	4.62
		e	00 34 53	Z	1.2	37.3 (0)		
28	FM	eP	00 36 03.2	Z	0.8	14.8 (0)	56.0	5.06
		e	00 36 45	Z	1.2	55.8 (0)		
28	LC	eP	00 36 29.3	Z	1.0	12.3 (0)	59.0	4.89
		e	00 37 23	Z	1.1	80.5 (0)		
28	SJ	eP	00 36 35.8	Z	0.8	15.5 (0)	60.0	5.12
		e	00 37 29	Z	0.8	25.9 (0)		
28	CP	eP	00 36 53.2	Z	0.8	4.2 (0)	63.0	4.55
		e	00 37 34	Z	1.1	10.5 (0)		
							AVG.	4.83
28		00 59 38.9	66.4 N 019.6 W ICELAND H =033 KM MAG 4.50- CGS					
28	NG	eP	01 07 18.6	Z	0.8	11.4 (0)	41.0	4.69
28	FM	eP	01 09 14.8	Z	1.0	16.7 (0)	56.0	5.02
28	LC	eP	01 09 42.2	Z	1.0	7.3 (0)	60.0	4.70
28	CP	eP	01 10 06.0	Z	1.0	7.1 (0)	63.0	4.68
							AVG.	4.77
28		01 28 39.*	66.6 N 020.0 W ICELAND H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28			01 31 15.7	16.0 S 131.9 E	NORTH TERRITORY AUSTRALIA			
				H =033 KM				
28			02 04 26.3	51.9 N 156.5 E	SOUTHERN KAMCHATKA			
				H =147 KM MAG	4.30- CGS			
28			06 27 16.0	40.9 S 084.2 W	OFF COAST OF CHILE			
				H =033 KM MAG	4.50- CGS			
28			09 47 10.5	49.0 N 154.9 E	KURILE ISLANDS REGION			
				H =053 KM MAG	4.90- CGS			
28	FM	eP	09 57 37.2	Z	0.9	8.5 (0)	63.0	4.77
		epP	09 57 52	Z	0.9	10.7 (0)		
28	LC	eP	09 58 27.7	Z	0.8	6.5 (0)	71.0	4.65
		epP	09 58 42	Z	1.0	9.8 (0)		
28	DH	epP	09 59 26	Z	0.7	9.8 (0)	79.0	
							AVG.	4.71
28			11 12 31.3	30.2 S 177.8 W	KERMADEC ISLANDS			
				H =038 KM				
28	TF	eP	11 25 03.6	Z	0.9	25.6 (0)	85.0	5.34
28	CP	tP	11 25 06.6C	Z	1.2	43.9 (0)	85.0	5.44
		e	11 25 23	Z	1.5	96.6 (0)		
28	LC	eP	11 25 36.9	Z	1.2	22.7 (0)	92.0	5.37
		e	11 25 53	Z	1.0	17.2 (0)		
		eSP	11 37 55	LZ	19	41.7 (1)		
		e	11 43 04	LR	18	24.7 (1)		
		eLQ	11 50 13	LR	25	50.6 (1)		
		eLR	11 53 18	LZ	28	53.8 (1)		
28	FM	eP	11 25 38.8	Z	1.0	16.7 (0)	92.0	5.32
28	SJ	eL	11 56 42	LT	26	14.4 (2)	95.0	
							AVG.	5.37
28			15 12 02.8	10.2 N 126.2 E	NORTH COAST MINDANO, P. I.			
				H =060 KM MAG	4.40- CGS			
28			16 18 40.7	19.9 S 178.7 W	FIJI ISLANDS			
				H =568 KM MAG	4.60- CGS			
28	LC	eP	16 40 46.6	Z	0.3	3.5 (0)	2.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	16 40 52	Z	0.3	4.3 (0)		
		eS	16 41 17	T	0.4	4.3 (0)		
		eL	16 41 23	T	0.4	12.5 (0)		
28			17 12 23.1	30.8 N 070.0 E	HINDU KUSH			
				H =024 KM				
28	LC	eP	21 23 29.3	Z	0.2	44.5 (0)	1.5	
		eS	21 23 48	T	0.4	22.4 (0)		
28			23 29 14.6	29.6 S 177.5 W	KERMADEC ISLANDS			
				H =054 KM MAG	5.10- CGS			
28	TF	eP	23 41 40.9	Z	1.0	12.5 (0)	84.0	4.93
		e	23 52 10	LR	21	14.0 (2)		
		ePPS	23 53 45	LR	23	13.8 (2)		
28	CP	eP	23 41 44.5	Z	1.0	15.7 (0)	85.0	5.03
28	MV	eP	23 41 50.5	Z	1.1	26.1 (0)	86.0	5.16
28	MN	eP	23 41 56.5	Z	1.0	15.8 (0)	87.0	5.09
28	WI	eP	23 42 08.3	Z	1.2	24.1 (0)	90.0	5.24
		eSKS	23 52 47	LT	19	75.3 (1)		
		ePS	23 54 10	LT	20	11.4 (2)		
29	WI	eLQ	00 06 33	LR	24	19.1 (2)	90.0	
		eLR	00 10 33	LZ	23	14.1 (2)		
28	LC	eP	23 42 14.6	Z	1.1	18.2 (0)	91.0	5.26
		eSKS	23 52 52	LR	18	41.2 (1)		
		ePS	23 54 20	LR	20	58.5 (1)		
28	FM	eP	23 42 16.3	Z	1.1	13.7 (0)	92.0	5.19
28	SJ	eSKS	23 53 14	LT	17	15.0 (2)	95.0	
		ePPS	23 55 48	LT	21	18.1 (2)		
29	SJ	eLQ	00 08 50	LR	22	20.2 (2)	95.0	
		eLR	00 13 04	LT	24	49.9 (2)		
							AVG.	5.13
29			00 23 31.8	55.4 N 166.0 E	KOMANDORSKIE ISLANDS			
				H =033 KM MAG	4.10- CGS			
29			01 40 13.*	28.2 S 177.9 W	KERMADEC ISLANDS			
				H =033 KM				
29			03 09 11.2	40.4 N 026.6 E	NORTHWESTERN TURKEY			
				H =033 KM MAG	4.40- CGS			
29			05 12 22.*	13.8 N 091.8 W	GUATEMALA			
				H =033 KM MAG	4.50- CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	06	05 19.9	10.3 S 160.7 E SOLOMON ISLANDS					
			H =032 KM MAG 5.00- CGS					
29	06	32 24.5	35.6 N 140.5 E COAST OF HONSHU, JAPAN					
			H =033 KM MAG 4.20- CGS					
29	07	47 56.2	13.4 N 091.0 W GUATEMALA					
			H =033 KM MAG 4.30- CGS					
29	20	04 51.7	36.5 N 070.4 E HINDU KUSH					
			H =200 KM MAG 4.20- CGS					
29	21	16 43.7	30.2 S 177.7 W KERMADEC ISLANDS					
			H =060 KM MAG 5.00- CGS					
29	LC	eP	21 29 46.6	Z	1.0	3.6 (0)	92.0	4.66
		e	21 30 04	Z	1.5	14.4 (0)		
29	21	52 08.*	35.6 N 028.6 E DODECANESE ISLAND REGION					
			H =033 KM					
29	23	30 43.*	18.0 S 168.5 E NEW HEBRIDES ISLAND					
			H =035 KM					
30	00	34 40.1	51.1 N 129.4 W QUEEN CHARLOTTE ISLANDS					
			H =033 KM MAG 4.20- CGS					
30	WI	eP	00 37 41.0	Z	0.9	6.6 (0)	13.0	4.63
30	CP	eP	00 39 16.8	Z	0.9	10.9 (0)	21.0	4.18
30	LC	eP	00 40 01.9	Z	1.0	1.2 (0)	25.0	3.49
							AVG.	4.10
30	01	53 28.8	19.1 S 169.1 E NEW HEBRIDES ISLAND					
			H =160 KM MAG 6.10- CGS					
30	TF	eP	02 05 53.7	Z	1.1	22.6 (1)	86.0	5.95
		eP	02 05 55	LZ	12	34.6 (2)		
		epP	02 06 37	Z	1.7	15.6 (1)		
		eSKS	02 16 04	R	2.5	28.8 (1)		
		eSKS	02 16 05	LR	11	30.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	02 16 32	LR	18	33.5 (2)		
		ePS	02 17 17	LR	22	35.3 (2)		
		ePPS	02 18 17	LR	20	58.4 (2)		
30	MV	eP	02 05 58.0	Z	0.6	18.5 (0)	87.0	5.16
		e	02 16 09	R	2.2	11.4 (1)		
30	CP	eP	02 06 02.0	Z	0.5	60.9 (0)	88.0	5.76
		ePP	02 09 29	Z	2.5	21.4 (1)		
		eSKS	02 16 16	R	3.0	26.7 (1)		
		eSKS	02 16 17	LT	17	24.0 (2)		
		ePS	02 17 42	LR	20	31.5 (2)		
30	MN	eP	02 06 07.0	Z	0.6	6.6 (0)	89.0	4.82
		eSKS	02 16 21	T	2.5	93.9 (0)		
		eP'P'	02 31 50	Z	1.0	3.3 (0)		
30	WI	eP	02 06 15.0	Z	0.7	73.0 (0)	91.0	5.89
		eSKS	02 16 22	R	3.0	37.0 (1)		
		eP'P'	02 31 52	Z	1.0	6.1 (0)		
30	FM	eP	02 06 29.5	Z	1.6	20.4 (1)	93.0	6.08
		eP	02 06 30	LZ	14	84.0 (1)		
		e	02 07 28	LZ	15	79.0 (1)		
		ePP	02 10 11	Z	2.0	73.9 (0)		
		eSKS	02 16 51	R	3.0	19.7 (1)		
		eSKS	02 16 51	LR	22	19.6 (2)		
		eS	02 17 22	LT	22	25.8 (2)		
		ePS	02 18 10	LT	20	99.9 (9)		
		ePPS	02 19 57	LR	22	99.9 (9)		
		eSS	02 23 50	LT	20	14.7 (2)		
		esSS	02 24 50	LT	25	24.3 (2)		
30	LC	eP	02 06 36.9	Z	999.9	99.9 (9)	95.0	
		eP	02 06 38	LZ	18	53.9 (1)		
		e	02 09 20	Z	3.5	24.6 (1)		
		ePP	02 10 27	LZ	19	81.0 (1)		
		ePP	02 10 29	Z	2.5	27.7 (1)		
		e	02 11 30	LZ	19	61.7 (1)		
		eSKS	02 16 53	LT	17	90.6 (1)		
		eSKS	02 16 58	R	3.0	31.2 (1)		
		eS	02 17 37	LT	22	17.1 (2)		
		e	02 20 07	LT	28	37.3 (2)		
		eLR	02 36 42	LZ	23	16.3 (2)		
		eL	02 43 00	LZ	20	25.8 (2)		
		eL	02 43 00	LR	18	14.5 (2)		
		eL	02 43 00	LT	18	15.3 (2)		
30	SJ	eP	02 07 04.3	Z	1.4	86.8 (0)	101.0	6.13
		eP	02 07 05	LZ	11	26.4 (2)		
		eSKS	02 17 28	T	3.0	13.4 (2)		
		eLR	02 43 25	LZ	20	26.9 (2)		
30	NG	eSKS	02 18 11	T	1.8	66.7 (0)	112.0	
		eSKS	02 18 12	LT	22	44.7 (1)		
		eSKKS	02 19 20	LR	18	81.4 (1)		
		ePS	02 22 07	LR	15	13.2 (2)		
		ePPS	02 23 20	LR	25	16.6 (2)		
		eSS	02 27 50	LT	18	10.0 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		esSS	02 28 52	LR	20	18.6 (2)		
		e	02 29 20	LR	21	21.5 (2)		
							AVG.	5.68
30	06 54 59.6		51.8 N 170.5 W	FOX - ALEUTIAN ISLANDS				
			H =033 KM					
30	09 23 11.3		01.2 S 077.8 W	ECUADOR				
			H =105 KM MAG	4.50-	CGS			
30	MN	eP	09 45 36.5	Z	1.0	3.3 (0)		
30	WI	eP	09 45 40.6	Z	1.0	4.9 (0)		
30	11 37 27.7		30.1 S 176.9 W	KERMADEC ISLAND REGION				
			H =033 KM					
30	MN	eP	11 50 12.7	Z	1.5	12.2 (0)	87.0	4.84
30	WI	eP	11 50 25.0	Z	1.5	14.5 (0)	90.0	4.95
							AVG.	4.90
30	LC	eP	16 20 07.6	Z	999.9	99.9 (9)		
30	16 21 01.*		04.8 S 075.1 W	NORTHERN PERU				
			H =244 KM MAG	3.90-	CGS			
30	FM	eP	16 21 18.5	Z	1.2	13.6 (0)		
30	MN	eP	16 21 36.8	Z	1.0	6.6 (0)		
30	WI	eP	16 21 44.2	Z	0.9	2.8 (0)		
30	16 51 56.6		44.2 N 148.0 E	KURILE ISLANDS				
			H =033 KM MAG	6.30-	CGS			
30	MV	eP	17 02 31.0	Z	1.0	12.5 (1)	64.0	6.00
30	WI	eP	17 02 38.3	Z	1.0	15.8 (1)	66.0	6.09
		e	17 31 15.5	Z	2.0	30.8 (0)		
30	MN	eP	17 02 47.5	Z	999.9	99.9 (9)	67.0	
30	TF	eP	17 02 53.7	Z	0.9	99.3 (0)	68.0	5.91
30	FM	eP	17 03 06.5	Z	0.8	98.0 (0)	70.0	5.88
		ePP	17 05 40	Z	1.6	81.6 (0)		
		eL	17 27 12	LZ	25	22.7 (2)		
		eL	17 29 00	LZ	18	21.7 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	17 29 00	LR	22	77.5 (1)		
		eL	17 29 00	LT	22	16.0 (2)		
30	CP	eP	17 03 16.5	Z	1.2	19.1 (1)	72.0	6.00
		e	17 04 56	Z	1.5	29.4 (0)		
		eL	17 25 20	LZ	27	26.8 (2)		
30	NG	eP	17 03 49.9	Z	0.8	14.0 (1)	78.0	6.04
		eP	17 03 50	LZ	14	54.6 (1)		
		e	17 04 04	Z	0.8	78.8 (0)		
		ePP	17 06 47	Z	1.2	80.5 (0)		
		ePS	17 14 18	LT	32	77.7 (1)		
		eSS	17 18 55	LT	22	55.9 (1)		
		eL	17 28 55	LR	32	12.4 (2)		
		eL	17 39 08	LZ	22	18.5 (2)		
		eL	17 39 08	LR	20	15.0 (2)		
		eL	17 39 08	LT	20	91.6 (1)		
30	LC	iP	17 03 52.4C	Z	0.8	8.0 (0)	78.0	4.80
		ePP	17 06 48	Z	1.3	26.0 (0)		
		eSKS	17 14 00	LR	32	11.4 (2)		
		e	17 15 08	Z	1.0	4.9 (0)		
		e	17 25 22	LT	33	23.2 (2)		
		eLR	17 28 50	LZ	25	12.6 (2)		
		eL	17 32 10	LZ	23	11.7 (2)		
		eL	17 32 10	LR	24	16.0 (2)		
		eL	17 32 10	LT	20	49.4 (1)		
30	DH	eP	17 04 33.4	Z	1.0	38.6 (1)	86.0	6.42
30	SJ	eP	17 04 37.7	Z	1.1	15.7 (1)	86.0	5.99
							AVG.	5.90
30	17 30 04.3		38.6 N 075.8 E	SINKIANG PROV., CHINA				
			H =033 KM MAG	4.30-	CGS			
30	LC	eP	21 04 49.8	Z	0.3	1.4 (0)	2.2	
		eS	21 05 19	R	0.4	1.1 (0)		
30	21 13 54.1		08.7 S 109.2 W	S. W. OF GALAPAGOS ISLANDS				
			H =033 KM MAG	4.60-	CGS			
30	LC	eP	21 21 36.8	Z	999.9	99.9 (9)	41.0	
30	MN	eP	21 22 29.0	Z	2.0	20.9 (0)	48.0	4.82
31	LC	eP	02 17 13.0	Z	0.6	2.0 (0)		
31	WI	eP	02 18 30.5	Z	0.6	2.5 (0)		
31	02 27 09.2		36.9 N 057.7 E	NORTHEASTERN IRAN				
			H =033 KM MAG	4.60-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	04 46 00.8		06.5 S 081.1 W NEAR COAST OF S. PERU H =033 KM MAG 5.20- CGS					
31	SJ	eP	04 53 17.2	Z	1.2	80.8 (0)	38.0	5.39
31	LC	tP	04 54 20.5C	Z	1.1	34.9 (0)	46.0	5.23
		eS	05 01 05	LT	18	16.6 (2)		
		eS	05 01 05	LR	15	65.6 (1)		
		eSS	05 04 20	LR	16	13.0 (2)		
		eLQ	05 06 34	LT	15	32.6 (2)		
		eL	05 08 45	LZ	15	54.3 (1)		
		eL	05 08 45	LR	15	28.1 (2)		
		eL	05 08 45	LT	15	27.7 (2)		
31	DH	eP	04 54 44.6	Z	1.1	76.2 (0)	49.0	5.60
		eS	05 01 47	LR	14	19.1 (2)		
		eS	05 01 47	LT	19	12.3 (2)		
		eLR	05 09 50	LZ	15	13.4 (2)		
31	CP	eP	04 55 06.4	Z	999.9	99.9 (9)	51.0	
31	NG	eP	04 55 10.5	Z	1.0	33.3 (0)	52.0	5.25
		eP	04 55 12	LZ	11	70.8 (1)		
		eS	05 02 35	LT	15	29.2 (2)		
		eS	05 02 35	LR	18	69.5 (1)		
		eSCS	05 05 00	LT	14	18.3 (2)		
		eLQ	05 09 40	LR	29	21.8 (2)		
		eL	05 17 00	LZ	20	26.2 (2)		
		eL	05 17 00	LR	20	14.6 (2)		
		eL	05 17 00	LT	19	20.4 (2)		
31	FM	eP	04 55 23.2	Z	1.4	35.2 (0)	54.0	5.20
		eS	05 03 00	LR	16	13.1 (2)		
		eS	05 03 00	LT	13	57.5 (1)		
		eLQ	05 11 35	LR	21	78.0 (1)		
31	MN	eP	04 55 41.3	Z	1.2	18.3 (0)	56.0	4.98
31	WI	eP	04 55 52.3	Z	0.9	6.4 (0)	58.0	4.65
31	MV	eS	05 04 03	LT	16	99.9 (9)	59.0	
		eSSS	05 10 58	LT	24	99.9 (9)		
						AVG.		5.19
31	05 30 49.3		29.9 S 177.7 W KERMADEC ISLANDS H =048 KM MAG 5.70- CGS					
31	TF	eP	05 43 18.9	Z	0.7	14.5 (0)	85.0	5.17
		eP	05 43 20	LZ	14	35.2 (2)		
		e	05 53 40	LR	21	98.8 (2)		
		e	05 58 47	LR	19	36.2 (2)		
		eLQ	06 05 23	LT	30	65.9 (2)		
		eLR	06 08 56	LZ	29	18.2 (3)		
		eL	06 10 15	LZ	29	18.2 (3)		
		eL	06 10 15	LR	25	14.3 (3)		
		eL	06 10 15	LT	23	29.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	CP	eP	05 43 22.4	Z	1.2	64.1 (0)	85.0	5.58
		eP	05 43 25	LZ	14	34.0 (2)		
		e	05 53 50	LR	21	81.7 (2)		
		eSS	05 58 50	LR	22	28.0 (2)		
		eSSS	06 03 02	LZ	28	28.9 (2)		
		eLQ	06 05 43	LT	24	37.9 (2)		
		eLR	06 09 20	LZ	999.9	99.9 (9)		
		eL	06 10 55	LZ	999.9	99.9 (9)		
		eL	06 10 55	LR	26	43.0 (2)		
		eL	06 10 55	LT	24	91.8 (2)		
31	MV	eP	05 43 28.5	Z	1.3	35.4 (0)	87.0	5.34
		eP	05 43 30	LZ	16	22.6 (2)		
		e	05 43 44	Z	1.5	15.7 (1)		
		eSKS	05 53 45	LT	22	99.9 (9)		
		ePPS	05 55 50	LZ	27	52.5 (2)		
		e	05 59 10	LT	28	99.9 (9)		
		eSSS	06 03 30	LZ	26	23.1 (2)		
		eLQ	06 06 10	LR	30	48.4 (2)		
		eLR	06 09 37	LZ	999.9	99.9 (9)		
31	MN	tP	05 43 34.5C	Z	1.0	21.3 (0)	88.0	5.28
		eP	05 43 40	LZ	18	16.7 (2)		
		eSKS	05 54 18	LR	24	58.3 (2)		
		eSP	05 55 29	LZ	23	39.0 (2)		
		ePPS	05 56 21	LT	25	64.6 (2)		
		eSS	05 59 55	LT	22	49.8 (2)		
		eSSS	06 03 50	LT	25	48.5 (2)		
		eLQ	06 06 51	LR	29	10.7 (3)		
		eP'P'	06 09 32	Z	1.0	4.2 (0)		
		eLR	06 10 35	LZ	999.9	99.9 (9)		
31	WI	eP	05 43 45.7	Z	1.3	36.8 (0)	90.0	5.40
		eP	05 43 50	LZ	18	17.5 (2)		
		e	05 44 02	Z	1.4	12.8 (1)		
		eSKS	05 54 21	LR	19	30.2 (2)		
		eSP	05 55 50	LZ	21	46.5 (2)		
		eSS	06 00 35	LT	20	37.0 (2)		
		ePKKP	06 01 18	Z	1.0	4.7 (0)		
		eSSS	06 05 08	LT	23	28.7 (2)		
		eLQ	06 07 20	LR	31	99.9 (9)		
		eLR	06 11 33	LZ	999.9	99.9 (9)		
31	LC	tP	05 43 52.6C	Z	1.3	40.2 (0)	92.0	5.59
		eP	05 43 53	LZ	18	16.1 (2)		
		e	05 44 07	Z	1.1	74.4 (0)		
		eSKS	05 54 23	LT	20	26.0 (2)		
		eS	05 54 52	LT	20	66.8 (2)		
		eSP	05 56 05	LZ	20	49.3 (2)		
		eSS	06 01 00	LT	25	45.8 (2)		
		eSSS	06 04 38	LT	26	44.2 (2)		
		eLQ	06 08 17	LR	29	54.7 (2)		
		eLR	06 12 31	LZ	31	92.2 (2)		
		eL	06 21 15	LZ	999.9	99.9 (9)		
		eL	06 21 15	LR	19	32.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	06 21 15	LT	18	47.8 (2)		
31	FM	eP	05 43 54.8	Z	1.0	32.5 (0)	92.0	5.61
		eP	05 44 00	LZ	17	16.3 (2)		
		eSKS	05 54 30	LR	24	27.8 (2)		
		eS	05 55 05	LT	24	99.9 (9)		
		eSP	05 56 10	LZ	21	23.6 (2)		
		eSS	06 00 55	LR	24	29.2 (2)		
		eSSS	06 04 55	LR	25	34.9 (2)		
		eLQ	06 07 45	LT	37	12.5 (3)		
		eLR	06 12 35	LZ	29	10.5 (3)		
		eL	06 14 55	LZ	25	79.3 (2)		
		eL	06 14 55	LR	25	72.7 (2)		
		eL	06 14 55	LT	25	17.2 (2)		
31	NG	eSKS	05 55 45	LR	25	12.8 (2)	110.0	
		e	05 57 38	LT	22	13.3 (2)		
		ePS	05 59 32	LR	24	32.7 (2)		
		ePKKP	06 00 13	Z	1.0	4.7 (0)		
		eSS	06 05 32	LR	33	29.3 (2)		
		eSSS	06 09 20	LR	31	27.1 (2)		
		eLQ	06 16 02	LT	36	65.0 (2)		
		eLR	06 22 27	LZ	28	69.4 (2)		
		eL	06 27 55	LZ	23	76.3 (2)		
		eL	06 27 55	LR	25	67.5 (2)		
		eL	06 27 55	LT	18	17.1 (2)		
31	DH	eSKS	05 56 27	LR	15	81.0 (1)	118.0	
		ePS	06 00 36	LR	25	25.3 (2)		
		e	06 07 24	LR	31	56.4 (2)		
		eLQ	06 21 05	LT	41	83.4 (2)		
		eLR	06 27 07	LZ	30	95.6 (2)		
		eL	06 37 00	LZ	18	15.0 (3)		
		eL	06 37 00	LR	18	11.6 (3)		
		eL	06 37 00	LT	17	11.4 (2)		
						AVG.		5.42

31 05 51 00.9 10.7 S 078.5 W NEAR COAST OF PERU
H =033 KM MAG 5.00- CGS

31	SJ	eP	05 58 57.5	Z	0.8	25.9 (0)	43.0	5.01
31	LC	tP	05 59 59.5C	Z	1.2	24.6 (0)	51.0	5.04
31	DH	eP	06 00 15.0	Z	0.9	79.1 (0)	53.0	5.67
31	NG	eP	06 00 43.2	Z	0.9	21.9 (0)	57.0	5.18
31	FM	eP	06 00 58.8	Z	1.2	22.7 (0)	59.0	5.07
31	TF	eP	06 01 08.6	Z	1.2	19.2 (0)	60.0	5.03
31	MN	tP	06 01 16.5	Z	1.0	27.3 (0)	61.0	5.30
31	WI	eP	06 01 27.1	Z	1.0	43.0 (0)	63.0	5.46
							AVG.	5.22

31 07 07 36.3 06.1 S 149.0 E NEW BRITAIN
H =060 KM MAG 5.70- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	TF	eP	07 20 40.8	Z	999.9	99.9 (9)	94.0	
		ePS	07 33 20	LR	24	32.1 (2)		
		eLQ	07 46 28	LT	35	49.2 (2)		
		eLR	07 51 00	LZ	23	11.2 (3)		
		eL	07 53 40	LZ	23	11.2 (3)		
		eL	07 53 40	LR	23	85.3 (2)		
		eL	07 53 40	LT	24	44.0 (2)		
31	MN	eP	07 21 00.0	Z	1.0	5.9 (0)	96.0	5.07
		ePS	07 33 32	LR	23	26.1 (2)		
		eSS	07 38 52	LT	23	14.5 (2)		
		eSSS	07 43 03	LT	23	20.5 (2)		
		eLQ	07 47 43	LT	38	59.4 (2)		
		eLR	07 51 42	LZ	27	66.0 (2)		
		eL	07 56 52	LZ	999.9	99.9 (9)		
		eL	07 56 52	LR	22	69.3 (2)		
		eL	07 56 52	LT	21	51.0 (2)		
31	WI	eP	07 21 05.0	Z	1.1	4.4 (0)	97.0	4.94
		ePS	07 34 02	LT	23	21.5 (2)		
		eSS	07 39 50	LT	28	22.2 (2)		
		eSSS	07 43 06	LT	28	23.1 (2)		
		eLQ	07 47 42	LR	35	35.0 (2)		
		eLR	07 51 43	LZ	25	37.6 (2)		
		eL	08 05 00	LZ	18	31.6 (2)		
		eL	08 05 00	LR	18	21.7 (2)		
		eL	08 05 00	LT	18	53.7 (2)		
31	CP	eP	07 21 07.7	Z	0.7	1.4 (0)	97.0	4.65
		ePS	07 33 43	LT	18	20.2 (2)		
		eSS	07 38 52	LT	25	10.9 (2)		
		eLQ	07 47 55	LR	35	29.8 (2)		
		eLR	07 52 09	LZ	30	14.9 (3)		
31	LC	ePKKP	07 27 38	Z	1.1	16.7 (0)	105.0	
		ePS	07 35 20	LR	20	18.9 (2)		
		eSS	07 41 25	LR	25	11.6 (2)		
		eLQ	07 41 27	LT	44	93.9 (2)		
		eSSS	07 45 27	LR	25	19.7 (2)		
		eLR	07 56 26	LZ	999.9	99.9 (9)		
31	FM	ePS	07 34 27	LT	26	20.6 (2)	101.0	
		eLQ	07 49 38	LT	44	53.1 (2)		
		eLR	07 54 15	LZ	28	45.2 (2)		
		eL	07 59 05	LZ	23	48.3 (2)		
		eL	07 59 05	LR	23	31.9 (2)		
		eL	07 59 05	LT	23	61.2 (2)		
31	MV	eLQ	07 46 55	LT	40	99.9 (9)	94.0	
		eLR	07 50 34	LZ	28	67.0 (2)		
		eL	07 54 55	LZ	999.9	99.9 (9)		
		eL	07 54 55	LR	22	65.4 (2)		
		eL	07 54 55	LT	23	99.9 (9)		
31	NG	eLR	08 02 45	LZ	27	45.0 (2)	117.0	
		eL	08 05 25	LZ	26	43.2 (2)		
		eL	08 05 25	LR	25	45.6 (2)		
		eL	08 05 25	LT	25	20.0 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	DH	eLR	08 11 05	LZ	23	67.5 (2)	127.0	
		eL	08 15 00	LZ	22	84.2 (2)		
		eL	08 15 00	LR	23	63.3 (2)		
		eL	08 15 00	LT	23	51.5 (2)		
						AVG.		4.89
31	08 12 40.5		29.7 S 176.9 W KERMADEC ISLANDS					
			H =060 KM MAG 4.20- CGS					
31	09 07 20.1		30.1 S 177.7 W KERMADEC ISLANDS					
			H =048 KM MAG 5.20- CGS					
31	TF	eP	09 19 51.5	Z	1.0	16.6 (0)	85.0	5.07
31	CP	eP	09 19 54.6	Z	1.0	17.2 (0)	85.0	5.09
31	MV	eP	09 20 00.0	Z	1.0	10.0 (0)	87.0	4.90
31	MN	eP	09 20 06.6	Z	1.0	11.9 (0)	88.0	5.03
31	WI	eP	09 20 17.5	Z	1.0	10.7 (0)	90.0	4.98
31	LC	eP	09 20 24.0	Z	1.0	6.1 (0)	92.0	4.88
31	FM	eP	09 20 26.7	Z	1.0	8.8 (0)	92.0	5.04
						AVG.		5.00
31	WI	eP	12 19 35.0	Z	1.0	3.5 (0)		
31	12 26 11.6		35.8 N 132.6 E NEAR HONSHU, JAPAN					
			H =033 KM MAG 4.70- CGS					
31	WI	eP	12 38 18.8	Z	0.6	2.0 (0)	80.0	4.19
31	MN	eP	12 38 26.6	Z	0.6	1.7 (0)	81.0	4.20
						AVG.		4.19
31	LC	eP	13 16 15.6	Z	1.1	4.5 (0)		
31	WI	eP	13 16 16.1	Z	0.9	4.6 (0)		
31	MN	eP	13 16 32.5	Z	0.8	2.5 (0)		
31	WI	eP	13 20 16.3	Z	1.0	5.9 (0)		
31	LC	eP	13 53 51.2	Z	1.0	7.3 (0)		
31	WI	eP	13 53 51.4	Z	1.2	23.9 (0)		
31	MN	eP	13 54 07.8	Z	1.0	8.5 (0)		
31	NG	eLR	14 01 20	LZ	18	20.2 (2)		
31	NG	eL	14 04 10	LZ	18	20.2 (2)		
31	NG	eL	14 04 10	LR	18	16.5 (2)		
31	NG	eL	14 04 10	LT	18	27.5 (1)		
31	14 58 02.4		35.1 N 009.3 W OFF COAST OF MOROCCO					
			H =033 KM					

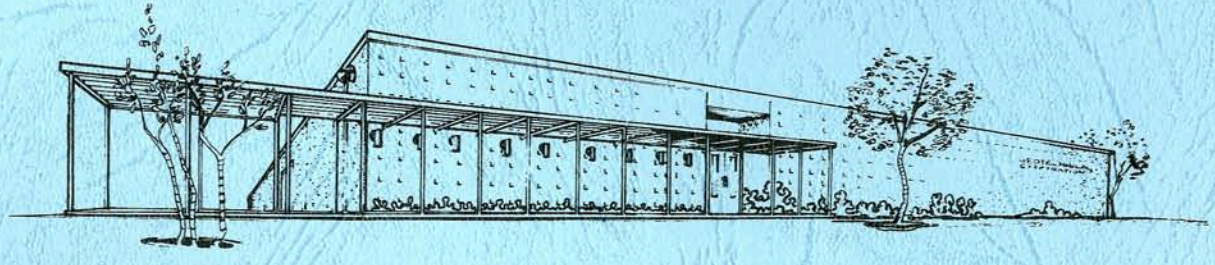
DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	15 02 27.3		34.9 N 133.0 E SOUTHERN HONSHU, JAPAN					
			H =060 KM MAG 4.40- CGS					
31	15 33 25.3		53.1 N 167.2 W FOX - ALEUTIAN ISLANDS					
			H =033 KM MAG 4.30- CGS					
31	WI	eP	15 40 18.0	Z	999.9	99.9 (9)	35.0	
31	MN	eP	15 40 30.4	Z	999.9	99.9 (9)	36.0	
		e	15 40 47	Z	1.0	4.2 (0)		
31	LC	eP	15 41 59.4	Z	0.9	2.8 (0)	47.0	4.30
31	NG	eP	15 42 22.5	Z	0.9	21.9 (0)	49.0	5.15
							AVG.	4.72
31	FM	eP	16 52 02.8	Z	0.8	10.5 (0)		
31	MN	eP	16 52 18.1	Z	1.0	6.8 (0)		
31	WI	eP	16 52 26.4	Z	0.9	18.4 (0)		
31	17 28 52.7		00.8 N 096.6 E NICOBAR ISLAND REGION					
			H =033 KM					
31	MV	eP	17 47 56.1	Z	0.8	5.9 (0)	127.0	
31	WI	eP	17 47 58.4	Z	1.0	7.1 (0)	128.0	
31	FM	eP	17 48 06.4	Z	0.8	5.2 (0)	132.0	
31	CP	eP	17 48 10.6	Z	1.0	5.7 (0)	132.0	
31	19 22 53.3		30.0 S 178.0 W KERMADEC ISLANDS					
			H =050 KM MAG 5.80- CGS					
31	TF	eP	19 35 25.5	Z	1.1	72.0 (0)	85.0	5.66
		eP	19 35 28	LZ	18	10.6 (2)		
		e	19 35 42	Z	1.5	26.9 (1)		
		e	19 46 00	LR	21	34.0 (2)		
		eLQ	19 57 36	LT	20	19.6 (2)		
		eLR	20 01 12	LZ	28	50.1 (2)		
31	MV	eP	19 35 34.2	Z	1.3	83.8 (0)	87.0	5.70
		e	19 35 45	Z	1.4	13.5 (1)		
		ePP	19 39 10	Z	1.7	69.9 (0)		
		eLR	20 02 11	LZ	25	40.2 (2)		
		eL	20 03 50	LZ	27	46.6 (2)		
		eL	20 03 50	LR	25	83.3 (1)		
		eL	20 03 50	LT	25	99.9 (9)		
31	MN	iP	19 35 39.5C	Z	1.0	47.7 (0)	88.0	5.62
		eP	19 35 40	LZ	12	10.3 (2)		
		e	19 35 53	Z	1.7	27.7 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKS	19 46 10	LT	18	91.6 (1)		
		eSS	19 52 27	LT	20	13.0 (2)		
		ePKKP	19 53 25	Z	0.8	2.5 (0)		
		eSSS	19 55 56	LT	25	16.4 (2)		
		eLQ	19 59 00	LR	44	58.1 (2)		
		eLR	20 02 44	LZ	25	46.7 (2)		
		eL	20 12 15	LZ	999.9	99.9 (9)		
		eL	20 12 15	LR	18	17.7 (2)		
		eL	20 12 15	LT	18	60.4 (2)		
31	NG	ePS	19 51 30	LR	23	87.0 (1)	111.0	
		eSS	19 57 27	LR	22	64.6 (1)		
		eLQ	20 08 40	LT	40	16.5 (2)		
		eLR	20 14 50	LZ	30	25.5 (2)		
		eL	20 20 50	LZ	22	29.9 (2)		
		eL	20 20 50	LR	22	20.2 (2)		
		eL	20 20 50	LT	22	46.4 (1)		

Bulletin No. 16
April 1963

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No: VT/074
ARPA Order No: 104-60
ARPA Code No: 8100
Contractor: The Geotechnical Corporation
Garland, Texas
Contract No: AF 33(600)-41694

Bulletin No. 16
April 1963

15 August 1963

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SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at ten of the forty mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/074, Contract AF 33(600)-41694, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the forty teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM sites consists of a three-component Benioff short-period seismograph system and a three-component Sprengnether long-period seismograph system. Both systems use phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2.

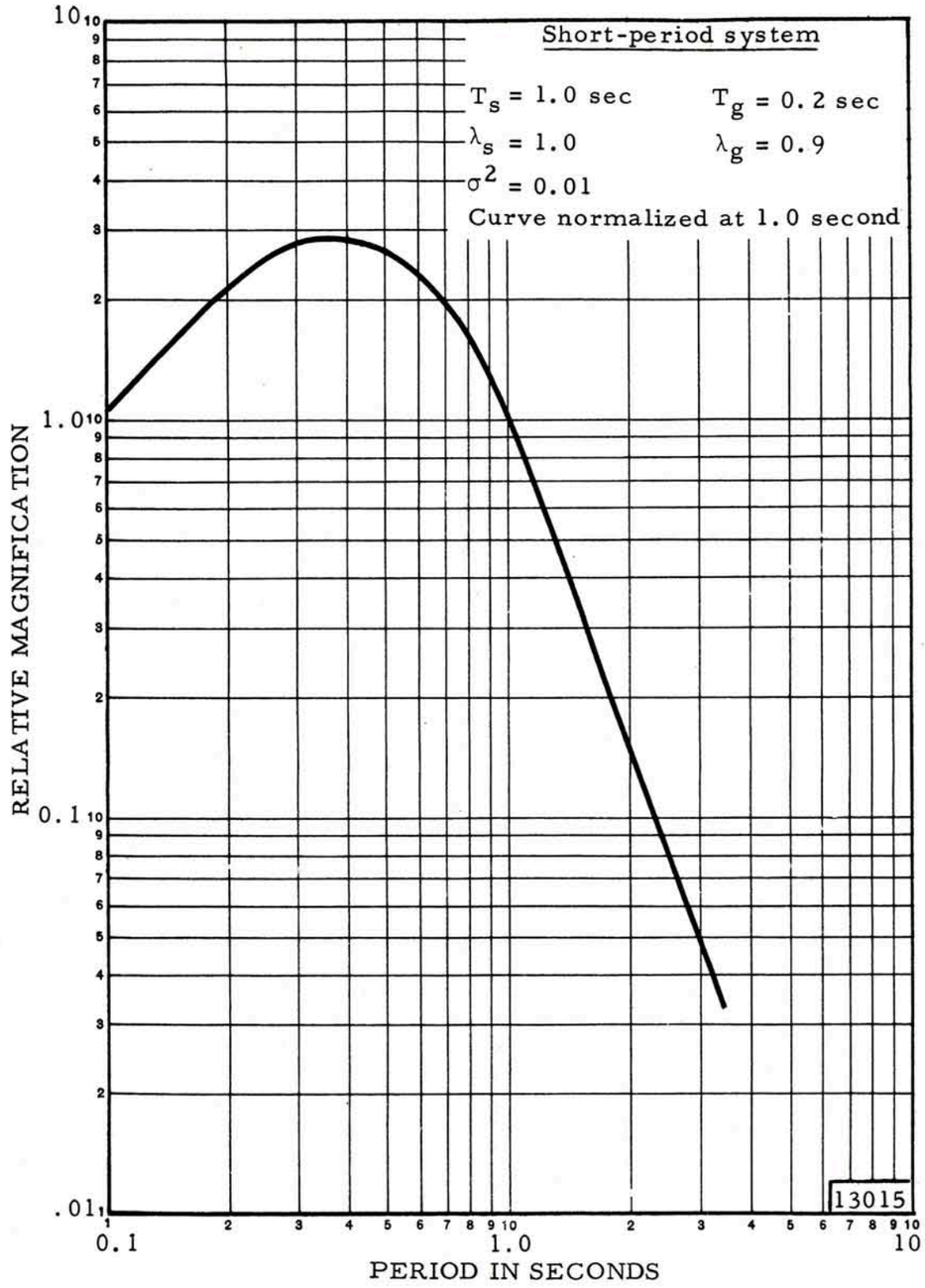


Figure 1. Frequency response of the short-period seismograph system

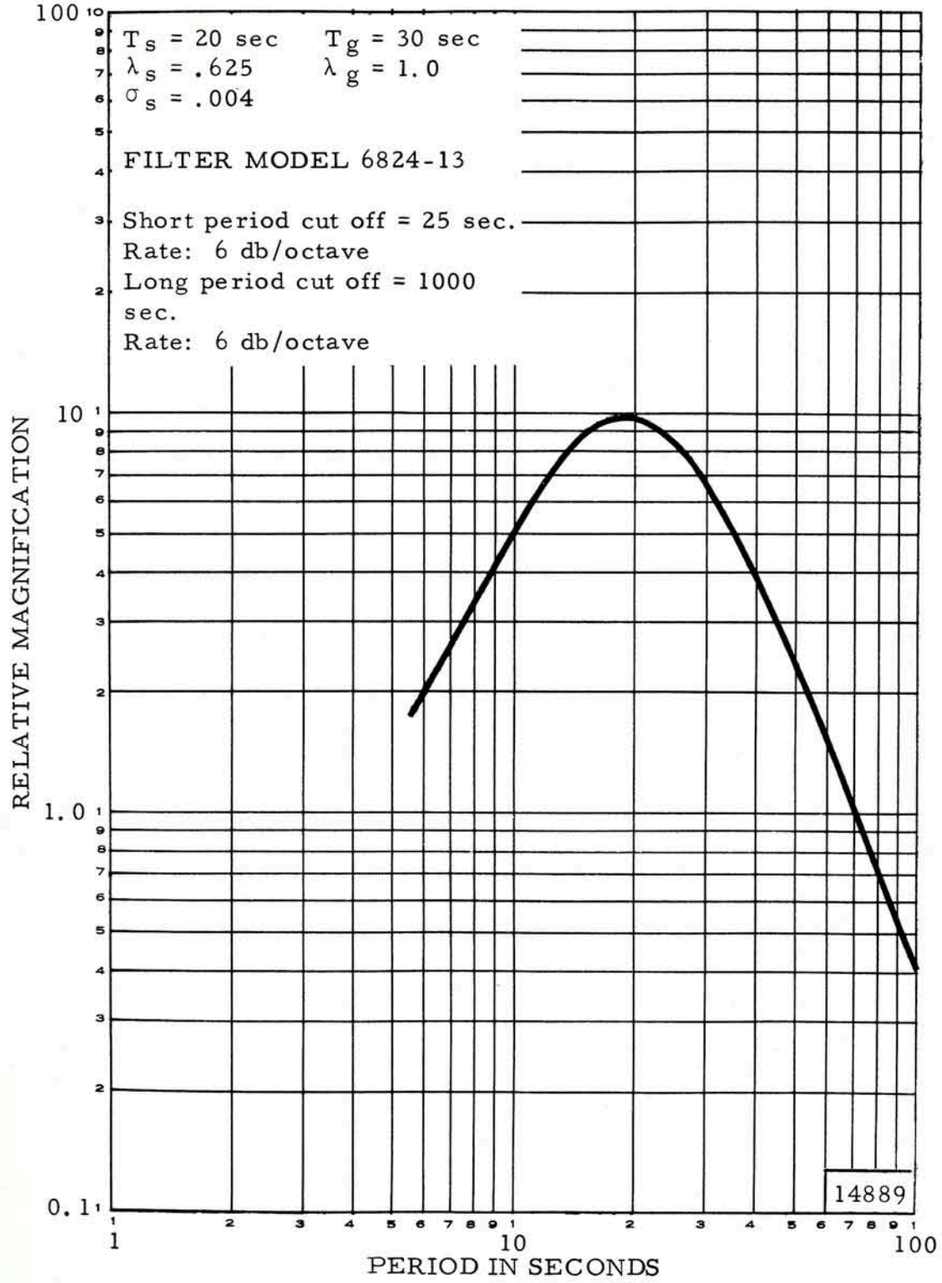


Figure 2. Frequency response of the long-period seismograph system

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by fourteen-channel Magnetic Tape Recorders, Ampex Model 314.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G. C. T.).

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table:

Station Designator	Location
SJ	San Jose, Texas
LC	Las Cruces, New Mexico
CP	Campo, California
MV	Marysville, California

Station Designator	Location
WI	Winnemucca, Nevada
MN	Mina, Nevada
FM	Fillmore, Utah
NG	Niagara, Wisconsin
DH	Delhi, New York
TF	Taft, California

The locations of the stations are shown in figure 3.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (G. C. T.). Arrival times indicate that time at which phase motion is first detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given in the following table:

Figure 3. LRSM Program Sites

Z	Short-Period Vertical
R*	Short-Period Radial (horizontal)
T*	Short-Period Transverse (horizontal)
LZ	Long-Period Vertical
LR*	Long-Period Radial (horizontal)
LT*	Long-Period Transverse (horizontal)

* Refer to table 1 for Instrument Orientation.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

3.7 AMP This column contains the amplitude of the phase given in millimicrons of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$$30.0\ (2) = 30 \times 10^2 = 3000\ m\mu$$
$$30.0\ (1) = 30 \times 10^1 = 300\ m\mu$$
$$30.0\ (0) = 30 \times 10^0 = 30.0\ m\mu$$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

3.8 DIST This is the distance from the recording station to the epicenter. All reported distances are calculated based on geocentric coordinates. Distance is given to the nearest 1/10 of a degree for distances up to six degrees. Beyond six degrees calculations are made to the nearest one degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases, the major arc distance is given.

Table 1. LRSM site information

Site designation	Site location	Horizontal seismometer orientation, azimuth from True North in degrees* Radial	Horizontal seismometer orientation, azimuth from True North in degrees* Transverse	Site coordinates in deg, min, sec	Elevation km	Rock type
SJ TX	San Jose, Texas	127	217	N 27 36 43 W 98 18 46	0.114	Limestone
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58	1.585	Limestone
CP CL	Campo, California	182	272	N 32 43 44 W 116 22 16	1.189	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35	0.183	Volcanics
WI NV	Winnemucca, Nevada	346	076	N 41 21 02 W 117 27 30	1.524	Limestone
MN NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.524	Limestone
FM UT	Fillmore, Utah	058	148	N 39 13 06 W 112 12 25	1.890	Limestone
NG WS	Niagara, Wisconsin	078	168	N 45 45 27 W 88 08 57	0.396	Granite
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18	0.652	Sandstone
TF CL	Taft, California	235	325	N 35 09 49 W 119 58 03	0.792	Sandstone

*When earth moves in direction shown, trace moves up.

3.9 MAG The Unified Magnitude (m) of the earthquake is determined by:

$$m = \log_{10} A + B$$

where m = Unified magnitude

A = 1/2 P-P amplitude in millimicrons/second of the "P" phase (initial arrival)

B = Log function of distance and depth.

These factors were obtained from the Gutenberg-Richter tables. Computations for distances less than 16° are based on AFTAC extensions of Gutenberg's tables.[1] For this purpose, points from 10° to 16° were read from a curve in the Gutenberg-Richter paper and an inverse cube relationship was used to extrapolate from 2° to 10°.

The average magnitude (sum of station magnitudes/number of stations) is listed on the last line of an epicenter print-out.

When possible, magnitudes (m) are computed for foreshocks and aftershocks as well as for the main event.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

The notation AS located between these columns calls attention to an aftershock recorded following the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

[1] Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Ann. Geofis., 9, pp. 1-15.

First group: day of the month
Second group: origin time of the event
Third group: geographic coordinates of the epicenter
Fourth group: geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to $1/2^{o}$ in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group: depth (h) of the hypocenter in kilometers
Second group: magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), or Palisades (PAL)

NOTE

MAG. (CGS) is m_b of Gutenberg and Richter from the P phase only. The Magnitude quoted is an average value determined from data forwarded by cooperating Standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC/TD-1)
Attn: Major N. G. Maddox
Washington 25, D. C.

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1			28.8 S 067.5 W	LARIOJA PROV., ARGENTINA				
			H =033 KM					
1	LC	eP	01 36 28.7	Z	0.8	2.1 (0)	71.0	4.22
1	02	19 56.8	06.0 S 149.0 E	NEW BRITAIN				
			H =064 KM MAG	4.80- CGS				
1	LC	ePKKP	02 49 58.0	Z	1.0	3.6 (0)	105.0	
1	03	51 48.1	13.0 S 167.1 E	SANTA CRUZ ISLAND REGION				
			H =213 KM MAG	4.50- CGS				
1	04	28 44.3	44.8 N 141.1 E	OFF HOKKAIDO, JAPAN				
			H =255 KM MAG	5.60- CGS				
1	MV	eP	04 39 19.0	Z	1.0	3.6 (0)	68.0	5.02
		epP	04 40 18	Z	1.3	32.3 (0)		
1	WI	eP	04 39 24.8	Z	0.9	65.2 (0)	69.0	5.36
		epP	04 40 24	Z	1.0	14.9 (0)		
1	MN	tP	04 39 34.4C	Z	0.8	24.2 (0)	71.0	4.98
		eS	04 48 29	T	2.2	48.4 (0)		
		eS	04 48 29	R	2.4	35.5 (0)		
1	TF	eP	04 39 41.0	Z	0.9	25.2 (0)	72.0	4.94
		epP	04 40 42	Z	1.1	55.2 (0)		
1	FM	eP	04 39 51.4	Z	1.0	45.1 (0)	74.0	5.15
		epP	04 40 52	Z	1.0	16.1 (0)		
1	CP	eP	04 40 03.1	Z	1.0	34.3 (0)	76.0	5.03
		epP	04 41 06	Z	1.2	22.0 (0)		
1	NG	eP	04 40 25.4	Z	0.8	28.1 (0)	80.0	5.10
1	LC	eP	04 40 35.7	Z	0.9	18.9 (0)	82.0	4.87
		epP	04 41 39	Z	1.0	9.8 (0)		
		eLQ	05 03 43	LT	29	87.3 (1)		
						AVG.		5.06
1	LC	eP	08 25 58.6	Z	0.9	7.5 (0)		
1	WI	eP	08 27 56.0	Z	0.8	6.7 (0)		
1	MN	eP	08 28 22.0	Z	0.8	1.5 (0)		
1	08	30 34.6	29.2 S 176.6 W	KERMADEC ISLANDS REGION				
			H =038 KM					
1	09	22 51.8	35.4 N 069.8 E	HINDU KUSH				
			H =100 KM MAG	4.80- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	11	17 02.4	28.8 S 178.0 W	KERMADEC ISLANDS REGION				
			H =033 KM					
1	16	31 28.6	39.1 N 077.5 E	SINKIANG PROVINCE, CHINA				
			H =203 KM MAG	4.00- CGS				
1	18	36 25.7	36.5 N 071.4 E	HINDU KUSH				
			H =244 KM MAG	4.30- CGS				
1	19	56 28.4	13.3 S 167.1 E	SANTA CRUZ ISLANDS				
			H =033 KM MAG	4.40- CGS				
1	20	37 09.1	36.1 N 114.8 W	SOUTHERN NEVADA				
			H =033 KM					
1	LC	eP	23 24 53.7	Z	1.0	7.3 (0)		
1	LC	e	23 26 04	Z	1.1	4.5 (0)		
2	00	57 41.7	06.6 N 073.2 W	COLOMBIA				
			H =140 KM MAG	4.50- CGS				
2	LC	eP	01 05 09.5	Z	0.9	28.8 (0)	40.0	4.98
		epP	01 05 41	Z	1.0	7.5 (0)		
2	NG	eP	01 05 12.8	Z	0.7	11.8 (0)	41.0	4.70
2	MN	eP	01 06 35.7	Z	0.7	2.4 (0)	52.0	4.14
2	WI	eP	01 06 41.5	Z	0.5	3.4 (0)	53.0	4.47
							AVG.	4.58
2	03	33 05.9	31.0 S 177.6 W	KERMADEC ISLANDS REGION				
			H =033 KM					
2	MN	eP	03 45 57.7	Z	1.0	2.4 (0)	89.0	4.36
2	04	06 57.3	55.2 N 160.3 E	KAMCHATKA				
			H =033 KM MAG	4.90- CGS				
2	WI	eP	04 16 15.0	Z	0.7	1.1 (0)	53.0	3.94
2	MN	eP	04 16 28.3	Z	0.8	1.4 (0)	55.0	4.06
							AVG.	4.00

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2		04 43 30.9	29.7 S 177.1 W KERMADEC ISLANDS H =051 KM					
2	MN	eP	04 56 15.0	Z	0.8	0.9 (0)	87.0	3.98
		eL	05 23 37	LT	30	65.9 (1)		
		eL	05 31 47	LT	17	18.9 (2)		
		eL	05 31 47	LR	17	54.4 (1)		
		eL	05 31 47	LZ	17	20.5 (2)		
2	WI	eP	04 56 24.5	Z	1.0	3.4 (0)	90.0	4.48
		eS	05 07 12	LR	17	73.2 (1)		
		e	05 20 10	LR	20	47.9 (1)		
		eL	05 24 55	LZ	25	53.7 (1)		
		eL	05 32 55	LZ	17	18.0 (2)		
		eL	05 32 55	LR	17	66.8 (1)		
		eL	05 32 55	LT	17	16.5 (2)		
2	LC	eSKS	05 07 07	LT	18	55.6 (1)	91.0	
		eSS	05 13 30	LT	21	39.0 (1)		
		eL	05 25 10	LZ	25	30.6 (1)		
		eL	05 34 20	LZ	19	10.7 (2)		
		eL	05 34 20	LR	18	72.7 (1)		
		eL	05 34 20	LT	18	80.1 (1)		
2	TF	eL	05 22 00	LZ	27	77.8 (1)	84.0	
		eL	05 38 57	LZ	18	13.7 (2)		
		eL	05 38 57	LR	17	12.8 (2)		
2	MV	eL	05 22 47	LZ	25	76.3 (1)	86.0	
		eL	05 34 57	LZ	17	13.6 (2)		
		eL	05 34 57	LR	18	32.6 (1)		
		eL	05 34 57	LT	18	78.2 (1)		
2	FM	eL	05 25 25	LZ	25	39.7 (1)	91.0	
2	SJ	eL	05 27 55	LZ	20	42.0 (2)	94.0	
2	NG	eL	05 36 15	LR	25	26.1 (1)	110.0	
		eL	05 47 22	LZ	17	62.0 (1)		
		eL	05 47 22	LR	17	28.0 (1)		
		eL	05 47 22	LT	18	52.0 (1)		
						AVG.		4.23
2		04 58 31.6	06.1 S 149.1 E NEW BRITAIN H =065 KM					
2		05 05 06.2	29.7 S 177.0 W KERMADEC ISLANDS REGION H =036 KM					
2		05 20 48.1	31.1 S 177.5 W KERMADEC ISLANDS REGION H =033 KM					
2	MN	eP	05 33 39.4	Z	0.9	2.5 (0)	89.0	4.42

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2		09 40 44.9	36.2 N 114.9 W SOUTHERN NEVADA H =033 KM					
2		11 25 24.8	30.1 S 177.1 W KERMADEC ISLANDS REGION H =048 KM					
2		11 35 51.4	05.8 S 105.0 E SUMATRA H =091 KM					
2	WI	eP'	11 54 51.0	Z	1.2	7.0 (0)	128.0	
2		13 40 12.7	44.8 N 110.7 W YELLOWSTONE NAT. PK., WYO. H =033 KM					
2	WI	eP	13 41 48.0	Z	0.9	12.3 (0)	6.0	4.53
2	MN	eP	13 42 18.5	Z	0.8	0.9 (0)	8.0	3.89
		e	13 42 32	Z	1.0	3.3 (0)		
							AVG.	4.21
2		15 29 42.6	44.7 N 110.5 W YELLOWSTONE NAT. PK., WYO. H =033 KM MAG 4.00- CGS					
2	WI	eP	15 31 19.5	Z	0.7	5.6 (0)	6.0	4.31
2	MN	eP	15 31 47.4	Z	0.5	0.6 (0)	8.0	3.90
		e	15 32 07	Z	0.8	1.4 (0)		
							AVG.	4.10
2		16 18 55.6	53.2 N 171.7 W ANDREANOF - ALEUTIAN IS. H =142 KM MAG 5.70- CGS					
2	MV	eP	16 25 51.0	Z	0.8	75.3 (0)	37.0	5.54
		eP	16 25 51	LZ	7	41.3 (3)		
		epP	16 26 20	LZ	9	16.5 (4)		
		epP	16 26 24	Z	0.8	83.8 (0)		
		esP	16 26 48	Z	1.1	35.3 (0)		
		ePCP	16 28 10	Z	1.0	11.3 (1)		
		epPCP	16 28 48	Z	1.0	31.8 (0)		
		eS	16 31 25	R	2.0	71.9 (0)		
		eS	16 31 25	T	1.3	13.6 (0)		
		eS	16 31 25	LR	22	82.4 (1)		
		eS	16 31 25	LT	13	49.4 (1)		
		eSCP	16 31 41	Z	1.3	11.0 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePCS	16 31 58	R	1.6	45.3 (0)		
		eSS	16 34 18	LT	17	11.7 (2)		
2	WI	eP	16 25 59.5	Z	999.9	99.9 (9)	38.0	
		eP	16 26 00	LZ	12	22.2 (1)		
		epP	16 26 27	LZ	11	44.4 (1)		
		ePCP	16 28 13	Z	999.9	99.9 (9)		
		ePCP	16 28 15	LZ	8	15.9 (4)		
		epPCP	16 28 52	Z	1.2	77.4 (0)		
		eS	16 31 39	R	1.1	17.8 (0)		
		eS	16 31 40	LR	15	10.6 (2)		
		eS	16 31 40	LT	25	41.6 (1)		
		eSCP	16 31 47	Z	1.2	11.2 (1)		
		ePCS	16 32 16	R	1.3	29.9 (0)		
		e	16 33 00	LR	20	63.2 (1)		
		eSS	16 34 40	LR	17	18.3 (2)		
		eSCS	16 35 55	R	1.5	84.9 (0)		
		eSCS	16 35 55	LT	22	19.6 (2)		
		e	16 36 21	R	1.5	22.8 (0)		
2	MN	eP	16 26 12.0	Z	1.0	99.9 (9)	39.0	
		eP	16 26 12	LZ	9	94.8 (3)		
		e	16 26 24	Z	0.7	18.6 (0)		
		epP	16 26 44	Z	1.0	72.7 (0)		
		epP	16 26 45	LZ	10	19.9 (4)		
		ePCP	16 28 16	Z	1.0	66.5 (0)		
		ePCP	16 28 25	LZ	10	14.9 (4)		
		eSCP	16 31 50	Z	1.4	11.4 (1)		
		eSCP	16 31 55	LZ	12	57.3 (1)		
		ePCS	16 32 00	LR	20	10.3 (2)		
		ePCS	16 32 02	T	1.0	17.7 (0)		
		e	16 33 05	LR	20	76.4 (1)		
		e	16 35 15	LT	15	10.9 (2)		
		eSCS	16 36 00	LT	22	26.0 (2)		
		eSCS	16 36 05	T	2.5	84.6 (0)		
2	TF	eP	16 26 20.3	Z	1.0	13.7 (1)	40.0	5.61
		epP	16 26 53	Z	1.0	10.4 (1)		
		epP	16 26 53	LZ	10	25.2 (4)		
		esP	16 27 13	Z	1.0	58.3 (0)		
		ePCP	16 28 20	Z	0.8	54.2 (0)		
		epPCP	16 28 55	Z	1.2	51.2 (0)		
		e	16 31 55	Z	1.2	38.4 (0)		
		e	16 31 59	Z	0.8	27.1 (0)		
		ePCS	16 32 18	LT	15	16.5 (2)		
		eSCS	16 35 42	LR	22	17.6 (2)		
2	FM	eP	16 26 37.0	Z	1.0	18.7 (1)	42.0	5.74
		eP	16 26 37	LZ	12	27.2 (1)		
		epP	16 27 10	Z	1.1	15.1 (1)		
		epP	16 27 10	LZ	12	34.0 (1)		
		ePCP	16 28 28	Z	0.9	44.6 (0)		
		eSCP	16 32 04	Z	1.2	89.3 (0)		
		eS	16 32 49	R	2.5	28.4 (1)		
		eS	16 32 49	T	1.8	59.8 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	16 32 49	LT	17	12.8 (2)		
		eSCS	16 36 10	LT	10	53.1 (4)		
2	CP	eP	16 26 51.0	Z	999.9	99.9 (9)	44.0	
		epP	16 27 18	Z	0.8	34.3 (0)		
		epP	16 27 23	LZ	12	34.9 (1)		
		ePCP	16 28 33	Z	0.9	44.6 (0)		
		eSCP	16 32 10	Z	1.5	95.8 (0)		
		eS	16 33 10	LR	15	13.8 (2)		
2	LC	eP	16 27 38.6	Z	0.8	72.4 (0)	50.0	5.44
		eP	16 27 39	LZ	8	57.6 (3)		
		epP	16 28 14	Z	1.0	12.5 (1)		
		epP	16 28 14	LZ	15	23.5 (1)		
		ePCP	16 28 55	Z	0.9	44.2 (0)		
		eSCP	16 32 36	Z	1.4	35.7 (0)		
		eS	16 34 40	R	1.7	31.8 (0)		
		eS	16 34 40	T	1.4	15.1 (0)		
		eS	16 34 40	LR	18	68.4 (1)		
		eS	16 34 40	LT	20	45.2 (1)		
		esS	16 35 37	LR	22	54.0 (1)		
		eSS	16 38 15	LR	20	86.8 (1)		
		eSSS	16 39 32	LR	18	66.2 (1)		
		eL	16 41 20	LT	25	28.1 (2)		
		eL	16 42 22	LT	23	26.5 (2)		
2	NG	eP	16 27 50.3	Z	0.9	26.3 (1)	52.0	6.05
		epP	16 28 24	Z	1.0	12.3 (1)		
		epP	16 28 25	LZ	10	10.2 (4)		
		e	16 28 27	Z	0.9	91.5 (0)		
		esP	16 28 35	Z	1.0	71.4 (0)		
		ePCP	16 29 01	Z	1.0	80.9 (0)		
		ePPP	16 30 48	LZ	12	23.6 (1)		
		eSCP	16 32 43	Z	1.0	52.3 (0)		
		ePCS	16 32 59	T	1.4	37.8 (0)		
		eS	16 34 57	LR	10	30.6 (4)		
		eS	16 34 57	LT	10	46.4 (4)		
		eS	16 34 58	R	1.2	11.9 (1)		
		eS	16 34 58	T	1.5	21.9 (1)		
		esS	16 35 09	R	1.5	11.4 (1)		
		eSCS	16 37 23	R	2.0	18.2 (1)		
		eSS	16 39 10	LR	20	90.7 (1)		
2	SJ	eP	16 28 39.9	Z	0.9	28.4 (1)	59.0	6.17
		eP	16 28 40	LZ	12	58.1 (2)		
		epP	16 29 12	LZ	12	72.6 (2)		
		epP	16 29 14	Z	1.4	61.6 (1)		
		ePCP	16 29 29	Z	1.0	11.0 (1)		
		eS	16 36 35	LR	15	12.0 (3)		
							AVG.	5.76

3 01 13 15.5 17.0 N 046.5 W NORTH ATLANTIC OCEAN
H =033 KM MAG 4.50- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	LC	eP	01 22 51.8	Z	1.0	10.0 (0)	56.0	4.79
3	01 21 54.*		14.7 S 176.4 W FIJI ISLANDS REGION H =033 KM MAG 4.50- CGS					
3	MN	eP	01 33 39.5	Z	1.0	4.1 (0)	76.0	4.42
3	WI	eP	01 33 51.0	Z	1.0	3.3 (0)	77.0	4.32
3	LC	eP	01 34 09.5	Z	1.0	3.7 (0)	81.0	4.30
		eLR	01 59 53	LZ	25	38.4 (1)		
							AVG.	4.35
3	01 33 52.8		09.2 S 123.9 E SAWU SEA H =033 KM					
3	01 35 59.3		04.8 S 078.4 W PERU- ECUADOR BORDER H =033 KM MAG 4.50- CGS					
3	02 09 37.3		16.7 N 046.6 W ATLANTIC OCEAN H =033 KM MAG 4.50- CGS					
3	LC	eP	02 19 15.9	Z	1.0	10.0 (0)	56.0	4.79
3	07 53 00.7		11.9 S 167.2 E SANTA CRUZ ISLANDS H =033 KM MAG 4.90- CGS					
3	09 35 03.3		45.0 N 109.9 W WYOMING MONTANA BORDER H =033 KM					
3	WI	eP	09 36 42.0	Z	0.5	2.0 (0)	7.0	4.25
		eL	09 38 11	R	0.5	2.0 (0)		
3	09 55 12.6		45.1 N 109.8 W SOUTHWESTERN MONTANA H =033 KM MAG 3.90- CGS					
3	WI	eP	09 57 02.2	Z	0.5	1.2 (0)	7.0	4.03
3	11 21 49.0		29.6 S 177.2 W KERMADEC H =048 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN	eP	11 34 31.5	Z	1.0	2.4 (0)	87.0	4.30
		eLR	12 01 57	LZ	27	45.6 (1)		
3	11 44 56.9		08.2 S 112.7 E JAVA H =163 KM					
3	11 58 07.2		19.1 N 121.4 E BABUYAN PHILIPPINE ISLANDS H =071 KM MAG 4.00- CGS					
3	14 47 55.5		55.4 S 128.2 W SOUTH PACIFIC OCEAN H =033 KM MAG 5.80- CGS					
3	CP	eP	15 00 43.3	Z	1.7	64.9 (0)	88.0	5.58
		eLR	15 28 15	LZ	23	59.1 (2)		
3	LC	eP	15 00 49.6	Z	2.0	78.1 (0)	89.0	5.55
		eSKS	15 11 20	LT	12	60.5 (1)		
		eS	15 11 45	LR	12	22.7 (2)		
		eSS	15 17 49	LR	17	12.5 (2)		
		ePKKS	15 21 50	LR	21	79.8 (1)		
		e	15 24 35	LR	24	12.9 (2)		
		e	15 26 28	LR	30	42.1 (2)		
		eLR	15 30 42	LZ	26	31.5 (2)		
3	TF	eP	15 00 56.6	Z	1.3	16.0 (0)	90.0	5.05
3	SJ	eS	15 11 25	LT	16	26.8 (2)	87.0	
		ePS	15 12 17	LT	17	23.9 (2)		
		eL	15 30 30	LT	25	51.9 (2)		
3	MN	eS	15 12 26	LT	22	80.4 (1)	94.0	
		eS	15 12 26	LR	22	68.1 (1)		
		ePS	15 13 44	LT	25	97.5 (1)		
		eSS	15 18 52	LR	18	83.6 (1)		
		e	15 26 00	LR	21	59.7 (1)		
		eLQ	15 27 07	LR	36	31.1 (2)		
		eLR	15 31 35	LZ	26	45.9 (2)		
		eL	15 33 25	LZ	22	99.9 (9)		
		eL	15 33 25	LR	23	44.7 (2)		
		eL	15 33 25	LT	19	46.6 (2)		
3	MV	eS	15 12 35	LT	20	87.4 (1)	94.0	
		ePS	15 13 48	LT	21	98.7 (1)		
		eSS	15 19 00	LT	28	19.7 (2)		
		eLQ	15 27 23	LR	32	20.3 (2)		
		eLR	15 31 38	LZ	24	48.9 (2)		
3	WI	eSKS	15 12 55	LT	20	96.4 (1)	97.0	
		ePS	15 14 08	LR	20	94.4 (1)		
		eSS	15 19 26	LR	17	14.2 (2)		
		eLQ	15 28 12	LT	45	38.4 (2)		
		eLR	15 33 15	LZ	26	99.9 (9)		
3	FM	ePS	15 14 12	LT	19	59.7 (1)	95.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	15 28 26	LT	37	46.1 (2)		
		eLR	15 33 00	LZ	29	48.7 (2)		
							AVG.	5.39
3	15 18 36.4		06.1 S 149.1 E NEW BRITAIN H =061 KM MAG 4.90- CGS					
3	15 54 51.7		61.1 N 148.1 W ALASKA H =078 KM MAG 5.70- CGS					
3	WI	eP	16 00 29.2	Z	1.0	16.6 (0)	27.0	4.56
3	MV	eP	16 00 31.5	Z	1.0	14.7 (0)	27.0	4.51
3	MN	eP	16 00 49.0	Z	0.9	21.7 (0)	29.0	4.82
		e	16 03 55	Z	0.8	2.9 (0)		
		e	16 14 40	Z	0.8	1.9 (0)		
3	FM	eP	16 01 04.8	Z	0.7	6.4 (0)	31.0	4.50
3	TF	eP	16 01 13.4	Z	0.9	12.8 (0)	32.0	4.69
3	CP	eP	16 01 38.7	Z	1.0	15.5 (0)	35.0	4.89
3	NG	eP	16 01 58.9	Z	0.7	14.2 (0)	37.0	4.96
3	LC	eP	16 02 15.0	Z	1.5	22.0 (0)	39.0	4.80
							AVG.	4.72
3	18 54 07.3		25.2 S 179.5 W FIJI ISLANDS REGION H =409 KM					
3	19 00 38.0		14.4 N 146.7 E MARIANA ISLANDS H =033 KM					
4	06 07 15.3		03.3 N 074.5 W COLOMBIA H =031 KM MAG 4.20- CGS					
4	LC	eP	06 15 04.5	Z	0.9	1.8 (0)	42.0	3.85
4	08 26 32.8		15.3 S 072.3 W SOUTHERN PERU H =122 KM MAG 4.60- CGS					
4	WI	eP	08 37 33.7	Z	0.6	3.1 (0)	70.0	4.29
4	13 43 20.*		21.2 N 119.5 E SOUTH OF FORMOSA H =019 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	15 36 27.1		42.2 N 111.2 W IDAHO H =033 KM MAG 4.90- CGS					
4	18 25 43.7		30.2 S 177.6 W KERMADEC ISLANDS REGION H =020 KM MAG 4.30- CGS					
4	22 01 03.3		30.3 S 177.8 W KERMADEC ISLANDS REGION H =036 KM MAG 4.50- CGS					
4	23 27 50.9		30.2 S 177.8 W KERMADEC ISLANDS REGION H =033 KM					
5	00 51 54.7		38.7 N 142.0 E OFF HONSHU, JAPAN H =051 KM					
5	02 26 11.1		30.2 S 177.7 W KERMADEC ISLANDS REGION H =033 KM MAG 4.60- CGS					
5	06 49 43.4		01.6 S 099.4 E OFF COAST OF SUMATRA H =033 KM					
5	10 50 03.3		30.1 S 177.2 W KERMADEC ISLANDS REGION H =044 KM					
6	00 42 59.3		18.0 S 069.9 W SOUTHERN PERU H =158 KM MAG 4.30- CGS					
6	02 35 19.0		01.7 N 124.9 E CELEBES REGION H =038 KM					
6	02 51 46.4		05.1 S 145.5 E NEW GUINEA H =057 KM MAG 4.80- CGS					
6	05 34 08.7		30.3 S 177.0 W KERMADEC ISLANDS REGION H =033 KM					
6	MN	eP	05 46 54.5	Z	1.0	4.1 (0)	88.0	4.62
6	WI	eP	05 47 05.7	Z	1.0	3.0 (0)	90.0	4.45
							AVG.	4.53

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	07 03 06.5		17.5 S 178.9 W FIJI ISLANDS REGION H =526 KM MAG 5.10- CGS					
6	TF	eP	07 14 04.2	Z	1.0	50.0 (0)	77.0	4.89
6	MV	eP	07 14 10.5	Z	1.1	50.7 (0)	78.0	4.86
6	CP	eP	07 14 11.2	Z	1.1	51.7 (0)	78.0	4.87
6	MN	tP	07 14 20.0C	Z	1.1	59.5 (0)	80.0	4.93
		epP	07 16 20	Z	1.5	29.3 (0)		
6	WI	eP	07 14 30.4	Z	1.0	64.0 (0)	82.0	5.10
6	FM	eP	07 14 42.5	Z	1.2	36.4 (0)	84.0	4.88
6	LC	tP	07 14 47.9C	Z	1.0	22.8 (0)	85.0	4.75
		epP	07 16 49	Z	1.0	5.0 (0)		
							AVG.	4.90
6	07 51 04.2		36.4 N 089.8 W SOUTH EASTERN MISSOURI H =018 KM					
6	08 12 24.0		36.4 N 089.7 W SOUTH EASTERN MISSOURI H =018 KM					
6	11 19 23.3		63.4 N 149.5 W CENTRAL ALASKA H =039 KM MAG 5.50- CGS					
6	WI	tP	11 25 21.1C	Z	1.0	12.1 (0)	29.0	4.60
		ePCP	11 28 28	Z	1.3	13.6 (0)		
		eS	11 30 20	LR	18	15.6 (2)		
		eLR	11 34 22	LZ	21	58.4 (1)		
		eL	11 35 07	T	2.9	81.7 (0)		
6	MV	eP	11 25 25.2	Z	1.1	48.7 (0)	29.0	5.16
6	MN	tP	11 25 41.5C	Z	1.2	42.2 (0)	31.0	5.16
		eLQ	11 31 10	LR	27	10.8 (2)		
6	FM	eP	11 25 55.2	Z	1.3	39.8 (0)	33.0	5.14
6	TF	eP	11 26 01.9	Z	1.1	61.7 (0)	34.0	5.41
		eLR	11 36 01	LZ	16	10.9 (2)		
		eL	11 37 51	LZ	17	10.6 (2)		
		eL	11 37 51	LR	15	50.0 (1)		
		eL	11 37 51	LT	22	98.0 (1)		
6	CP	eP	11 26 31.2	Z	1.1	34.4 (0)	37.0	5.07
6	NG	eP	11 26 39.0	Z	1.1	14.1 (1)	38.0	5.68
		eP	11 26 40	LZ	11	27.4 (1)		
		eS	11 32 30	LR	17	28.9 (1)		
		eLQ	11 36 26	LR	28	23.2 (2)		
		eL	11 38 58	R	2.2	32.0 (1)		
		eLR	11 41 50	LZ	11	38.4 (2)		
6	LC	tP	11 27 04.4C	Z	1.2	23.4 (0)	41.0	4.82
		eP	11 27 05	LZ	14	17.8 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	11 33 10	LR	30	49.9 (1)		
		eLR	11 36 50	LZ	23	21.6 (1)		
6	SJ	eP	11 28 05.9	Z	1.3	14.4 (1)	49.0	5.80
		eP	11 28 07	LZ	12	48.2 (1)		
		ePP	11 29 58	LZ	11	85.0 (1)		
		eSS	11 38 46	LR	17	14.1 (2)		
		eLQ	11 44 40	LT	18	70.6 (2)		
		eL	11 46 40	LZ	16	71.3 (1)		
		eL	11 46 40	LR	18	17.6 (2)		
		eL	11 46 40	LT	18	70.6 (2)		
6	DH	eL	11 42 08	LR	19	23.9 (2)	47.0	
		eL	11 43 34	R	2.1	28.7 (1)		
							AVG.	5.21
6	12 07 09.5		63.6 N 149.5 W CENTRAL ALASKA H =055 KM MAG 4.50- CGS					
6	WI	eP	12 13 05.5	Z	0.6	2.5 (0)	29.0	4.11
6	MN	eP	12 13 27.7	Z	1.1	6.1 (0)	31.0	4.33
6	CP	eP	12 14 18.0	Z	0.9	3.2 (0)	37.0	4.16
6	NG	eP	12 14 22.4	Z	0.6	13.9 (0)	38.0	4.97
6	LC	eP	12 14 50.5	Z	0.8	2.2 (0)	41.0	4.00
							AVG.	4.32
6	15 09 44.3		30.2 S 177.9 W KERMADEC ISLANDS REGION H =033 KM					
6	16 26 07.1		41.6 N 141.7 E SOUTH OF HOKKAIDO, JAPAN H =080 KM MAG 4.70- CGS					
6	17 48 53.3		33.6 N 082.8 E TIBET H =033 KM					
6	18 02 30.6		32.1 S 178.1 E KERMADEC ISLANDS REGION H =197 KM MAG 4.60- CGS					
6	20 18 19.3		40.7 N 128.3 W OFF COAST OF N. CALIFORNIA H =033 KM MAG 4.20- CGS					
6	21 35 21.2		06.0 S 149.9 E NEW BRITAIN H =049 KM					
6	TF	eLR	22 18 36	LZ	24	68.8 (1)	94.0	

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
		eL		22 21 26	LZ	24	10.3 (2)		
		eL		22 21 26	LR	24	70.1 (1)		
		eL		22 21 26	LT	20	23.6 (1)		
6	LC	eLQ		22 19 00	LT	35	34.2 (1)	105.0	
		eLR		22 24 00	LZ	25	36.2 (1)		
		eL		22 27 30	LZ	24	52.8 (1)		
		eL		22 27 30	LR	23	38.8 (1)		
		eL		22 27 30	LT	25	15.6 (1)		
6	MN	eLR		22 19 25	LZ	25	84.4 (1)	95.0	
		eL		22 22 10	LZ	25	82.7 (1)		
		eL		22 22 10	LR	24	51.4 (1)		
		eL		22 22 10	LT	25	50.8 (1)		
6	SJ	eLR		22 28 30	LZ	28	15.1 (2)	112.0	
		eL		22 33 05	LZ	22	87.9 (1)		
		eL		22 33 05	LR	22	21.1 (2)		
		eL		22 33 05	LT	22	14.2 (2)		

6 23 36 36.* 07.2 S 132.6 E TANIMBAR ISLANDS REGION
H =033 KM

6 23 40 20.8 20.0 N 109.3 W OFF W. COAST OF MEXICO
H =044 KM MAG 4.30- CGS

6	LC	eP		23 43 21.5	Z	1.2	15.6 (0)	13.0	4.80
		eS		23 45 51	LR	999.9	99.9 (9)		
		eLQ		23 46 24	LR	20	11.4 (1)		
		eLR		23 47 35	LZ	19	57.7 (1)		
6	CP	eP		23 43 40.5	Z	1.0	19.5 (0)	14.0	4.62
6	FM	eP		23 44 47.6	Z	1.2	31.8 (0)	19.0	4.46
6	MN	eP		23 44 51.6D	Z	1.2	34.5 (0)	20.0	4.50
6	WI	eP		23 45 17.1	Z	0.9	4.6 (0)	22.0	3.87
6	SJ	eL		23 47 13	LZ	15	47.8 (1)	13.0	
		eL		23 47 13	LR	15	22.9 (2)		
		eL		23 47 13	LT	18	27.8 (2)		
								AVG.	4.45

7 03 57 31.6 24.5 S 177.0 W TONGA ISLANDS REGION
H =114 KM MAG 4.70- CGS

7	TF	eP		04 09 31.5	Z	1.0	20.0 (0)	80.0	4.88
		eP	AS	04 10 01.2	Z	1.4	28.5 (0)		4.89
7	CP	eP		04 09 35.5	Z	1.0	15.5 (0)	81.0	4.79
7	MN	eP		04 09 47.5	Z	0.9	11.1 (0)	83.0	4.76
		eP	AS	04 10 17.4	Z	1.3	26.2 (0)		4.97
7	WI	eP		04 09 58.5	Z	0.9	8.3 (0)	86.0	4.65
		eP	AS	04 10 28.8	Z	1.3	22.8 (0)		4.93

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
7	FM	eP		04 10 09.0	Z	0.8	7.0 (0)	88.0	4.71
		eP	AS	04 10 39.0	Z	1.3	22.7 (0)		5.01
7	LC	eP		04 10 09.6	Z	0.9	13.4 (0)	88.0	4.94
		eP	AS	04 10 40.0	Z	1.3	21.6 (0)		4.99
								AS.	4.95
								AVG.	4.78

7 07 20 52.5 31.2 N 041.6 W NORTH ATLANTIC OCEAN
H =030 KM MAG 4.20- CGS

7 11 03 28.* 70.3 N 013.6 W JAN MAYEN ISLAND REGION
H =071 KM

7 11 16 03.8 71.5 N 013.0 W JAN MAYEN ISLAND REGION
H =033 KM MAG 4.60- CGS

7	WI	eP		11 25 40.0	Z	1.5	28.6 (0)	56.0	5.08
7	FM	eP		11 25 43.8	Z	1.6	51.0 (0)	56.0	5.30
		eL		11 45 00	LZ	21	44.0 (1)		
7	LC	eP		11 26 15.1	Z	999.9	99.9 (9)	61.0	
7	NG	eL		11 38 20	LZ	20	23.6 (1)	43.0	
								AVG.	5.19

7 13 05 22.6 25.0 N 125.1 E RYUKYU ISLANDS REGION
H =124 KM

7 15 07 34.9 27.0 N 129.2 E RYUKYU ISLANDS REGION
H =033 KM

7	WI	eP		15 20 23.3	Z	1.0	3.2 (0)	88.0	4.51
7	CP	eP		15 20 55.4	Z	1.0	4.2 (0)	94.0	4.75
		e		15 21 04	Z	1.0	14.1 (0)		
								AVG.	4.63

7 15 28 01.8 53.7 N 170.1 W FOX-ALEUTIAN IS. REGION
H =202 KM MAG 6.00- CGS

7	WI	eP		15 34 51.8	Z	0.8	25.6 (0)	37.0	4.90
		eSCP		15 40 39	Z	1.1	21.3 (0)		
7	MN	eP		15 35 03.8	Z	0.8	23.2 (0)	38.0	4.76
		eSCP		15 40 44	Z	1.2	17.0 (0)		
7	TF	eP		15 35 13.5	Z	0.9	19.0 (0)	39.0	4.62

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSCP	15 40 48	Z	1.2	24.6 (0)		
7	FM	eP	15 35 28.5	Z	1.0	71.0 (0)	41.0	5.14
		eSCP	15 40 56	Z	1.2	13.6 (0)		
7	CP	eP	15 35 44.1	Z	1.0	25.4 (0)	43.0	4.70
		epP	15 36 21	Z	1.2	13.0 (0)		
7	LC	eP	15 36 31.2	Z	0.8	41.4 (0)	49.0	4.91
		epP	15 37 10	Z	0.8	10.3 (0)		
7	NG	eP	15 36 41.9	Z	0.8	20.6 (1)	51.0	5.71
		epP	15 37 22	Z	0.9	52.2 (0)		
7	SJ	eP	15 37 33.0	Z	0.6	46.4 (0)	58.0	5.38
		epP	15 38 13	Z	1.0	36.9 (0)		
7	DH	eP	15 37 48.6	Z	0.7	10.1 (1)	60.0	5.65
		epP	15 38 30	Z	0.8	36.0 (0)		
							AVG.	5.08
7	FM	eP	22 06 40.8	Z	0.5	30.1 (0)	1.1	
		eS	22 06 55	R	0.5	34.5 (0)		
7	22 36 03.4	04.9 S 103.2 E NEAR S. W. COAST SUMATRA H =072 KM MAG 6.10- CGS						
7	WI	eP'	22 55 01.0	Z	999.9	99.9 (9)	130.0	
		eSKP	22 58 20	Z	1.5	15.9 (1)		
7	MN	eP'	22 55 08.4	Z	1.2	14.4 (1)	130.0	
		eSKP	22 58 25	Z	1.5	15.0 (1)		
		eSKP	22 58 32	LZ	20	12.6 (2)		
		eSPP	23 09 10	LZ	25	99.9 (9)		
		eSS	23 15 10	LR	30	22.3 (2)		
		e	23 22 40	LR	30	23.3 (2)		
		eLR	23 37 20	LZ	40	99.9 (9)		
7	TF	eP'	22 55 09.0	Z	1.2	30.7 (1)	130.0	
		eP'	22 55 09	LZ	11	58.7 (1)		
		ePP	22 57 20	LZ	11	93.9 (1)		
		eSKP	22 58 27	Z	1.5	58.8 (1)		
		eSKP	22 58 27	LZ	13	94.2 (1)		
		ePPS	23 09 10	LT	20	15.9 (2)		
		eLR	23 36 00	LZ	33	94.8 (2)		
		eL	23 40 55	LZ	23	45.3 (2)		
		eL	23 40 55	LR	25	25.7 (2)		
		eL	23 40 55	LT	25	33.2 (2)		
7	FM	eP'	22 55 15.0	Z	1.0	82.8 (0)	133.0	
		eP'	22 55 15	LZ	13	42.4 (1)		
		ePP	22 57 38	LZ	13	53.9 (1)		
		eSKP	22 58 38	Z	1.5	69.6 (1)		
		eLR	23 41 00	LZ	30	49.2 (2)		
7	CP	eP'	22 55 15.5	Z	1.2	11.2 (1)	134.0	
		eP'	22 55 17	LZ	10	29.6 (4)		
		ePP	22 57 39	Z	1.9	10.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	22 57 43	LZ	999.9	99.9 (9)		
		epPP	22 58 05	Z	2.2	31.7 (1)		
		eSKP	22 58 41	Z	999.9	99.9 (9)		
		eSKP	22 58 42	LZ	16	10.2 (2)		
		epSKP	22 59 09	Z	1.9	48.6 (1)		
		eLR	23 38 38	LZ	35	62.3 (2)		
7	NG	eP'	22 55 22.2	Z	1.1	89.8 (0)	138.0	
		eP'	22 55 23	LZ	11	59.5 (1)		
		ePP	22 58 05	LZ	12	10.6 (2)		
		ePP	22 58 08	Z	1.2	10.4 (1)		
		ePPS	23 10 45	LT	20	10.0 (2)		
		eSS	23 17 00	LT	25	16.0 (2)		
		e	23 23 20	LT	38	37.1 (2)		
		eLR	23 47 00	LZ	30	21.3 (2)		
		eL	23 57 30	LT	25	57.6 (2)		
		eL	23 57 30	LZ	25	61.2 (2)		
		eL	23 57 30	LR	25	68.9 (1)		
7	LC	eP'	22 55 22.5	Z	1.2	38.4 (0)	141.0	
		eP'	22 55 23	LZ	23	15.0 (2)		
		ePP	22 58 22	LZ	20	89.1 (1)		
		eSKP	22 59 01	Z	1.2	84.6 (0)		
		ePPS	23 10 53	LR	22	11.6 (2)		
		e	23 16 00	LR	20	87.5 (1)		
		eLR	23 42 45	LZ	40	80.8 (2)		
		eL	23 50 00	LZ	25	43.2 (2)		
		eL	23 50 00	LR	25	33.8 (2)		
		eL	23 50 00	LT	25	75.6 (1)		
7	DH	eP'	22 55 26.2	Z	1.1	87.8 (0)	143.0	
		eP'	22 55 28	LZ	12	17.6 (2)		
		eSKP	22 58 38	Z	1.2	12.5 (1)		
		eLR	23 53 40	LZ	30	71.7 (2)		
		eL	23 57 30	LZ	25	98.1 (2)		
		eL	23 57 30	LR	23	37.4 (2)		
		eL	23 57 30	LT	30	10.5 (3)		
7	SJ	eP'	22 55 44.3	Z	1.0	11.0 (1)	150.0	
7	MV	ePP	22 57 00	LZ	10	12.2 (3)	127.0	
		eLR	23 36 00	LZ	40	71.7 (3)		
8	00 03 59.1	39.6 N 104.9 W NORTHEASTERN COLORADO H =033 KM						
8	01 49 18.5	11.4 N 062.6 W OFF COAST OF VENEZUELA H =095 KM MAG 4.50- CGS						
8	05 57 39.*	31.4 S 068.0 W SAN JUAN PROV., ARGENTINA H =232 KM MAG 4.40- CGS						
8	06 24 50.7	05.5 S 130.1 E BANDA SEA H =033 KM MAG 4.90- CGS						

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8			06 43 21.0	41.9 N 072.8 E	KIRGHIZ S. S. R.			
				H =033 KM MAG	4.70- CGS			
8			07 56 50.0	18.8 S 168.5 E	NEW HEBRIDES IS. REGION			
				H =033 KM MAG	4.60- CGS			
8			11 19 39.4	47.5 N 153.2 E	KURILE ISLANDS REGION			
				H =107 KM MAG	4.60- CGS			
8			11 53 21.3	04.2 S 152.2 E	NEW BRITAIN REGION			
				H =158 KM MAG	4.80- CGS			
8	MN	eP	12 06 15.0	Z	1.0	13.3 (0)	92.0	5.05
8	WI	eP	12 06 18.1	Z	1.0	12.8 (0)	93.0	5.09
						AVG.		5.07
8			14 38 27.0	27.7 N 044.3 W	NORTH ATLANTIC OCEAN			
				H =033 KM MAG	5.00- CGS			
8	LC	eP	14 47 45.9	Z	0.9	6.7 (0)	53.0	4.60
		eS	14 55 26	LR	17	13.5 (2)		
		eLR	15 03 45	LZ	36	25.8 (2)		
		eL	15 07 00	LZ	24	35.1 (2)		
		eL	15 07 00	LR	23	32.4 (2)		
		eL	15 07 00	LT	24	15.7 (2)		
8	WI	eP	14 48 32.4	Z	1.0	5.3 (0)	60.0	4.56
		e	14 56 55	LR	18	51.9 (1)		
		eLR	15 07 44	LZ	37	16.1 (2)		
8	MN	eP	14 48 40.3	Z	0.9	2.5 (0)	61.0	4.32
		eSP	14 57 15	LZ	19	46.0 (1)		
		eLQ	15 03 55	LT	999.9	99.9 (9)		
		eLR	15 08 17	LZ	39	17.1 (2)		
8	DH	eLR	14 51 52	LZ	24	35.6 (2)	29.0	
		eL	14 53 52	LZ	20	26.9 (2)		
		eL	14 53 52	LR	20	41.0 (2)		
		eL	14 53 52	LT	20	20.0 (2)		
8	NG	e	14 52 07	LR	17	52.1 (1)	39.0	
		eLQ	14 54 40	LT	20	62.0 (1)		
		eLR	14 56 50	LZ	30	41.2 (2)		
		eL	14 59 05	LZ	22	44.4 (2)		
		eL	14 59 05	LR	21	28.6 (2)		
		eL	14 59 05	LT	22	17.1 (2)		
8	SJ	eS	14 54 03	LT	17	16.6 (2)	48.0	
		eLR	15 01 22	LZ	34	40.8 (2)		
		eL	15 04 12	LZ	26	30.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	15 04 12	LR	26	50.8 (2)		
		eL	15 04 12	LT	27	69.3 (2)		
8	FM	eS	14 56 14	LR	18	74.7 (1)	57.0	
		eLR	15 05 03	LZ	44	16.8 (2)		
8	CP	eSP	14 57 26	LZ	25	49.5 (1)	61.0	
		eLR	15 07 55	LZ	34	23.3 (2)		
8	MV	eS	14 57 40	LR	19	33.3 (1)	64.0	
		eLR	15 09 25	LZ	33	85.8 (1)		
8	TF	eSP	14 57 55	LZ	999.9	99.9 (9)	64.0	
		eLR	15 09 35	LZ	38	23.9 (2)		
							AVG.	4.49
8			20 08 33.5	05.6 S 151.9 E	NEW BRITAIN			
				H =041 KM MAG	5.00- CGS			
8	MN	eP	20 21 46.0	Z	0.9	3.8 (0)	93.0	4.78
8			20 50 58.8	10.4 S 161.4 E	SOLOMON ISLANDS			
				H =033 KM MAG	4.90- CGS			
8			22 37 29.6	24.7 S 179.8 E	SOUTH OF FIJI ISLANDS			
				H =424 KM MAG	4.80- CGS			
9			00 03 35.6	22.2 N 085.6 E	INDIA			
				H =033 KM				
9	MN	eP	01 32 03.4	Z	1.3	6.5 (0)		
9			01 39 08.6	71.2 N 012.7 W	OFF EAST COAST GREENLAND			
				H =020 KM				
9	FM	eP	01 51 47.4	Z	1.3	26.8 (0)		
9	LC	eP	01 52 20.0	Z	1.6	21.2 (0)		
9			02 02 25.1	17.7 S 178.7 W	FIJI ISLANDS REGION			
				H =538 KM MAG	4.90- CGS			
9	TF	eP	02 13 22.3	Z	1.0	26.7 (0)	77.0	4.62
		epP	02 15 32	Z	1.0	15.2 (0)		
9	CP	eP	02 13 29.4	Z	0.7	11.6 (0)	78.0	4.42
		epP	02 15 29	Z	1.5	28.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	MN	eP	02 13 38.1	Z	0.9	17.7 (0)	80.0	4.49
		epP	02 15 38	Z	1.0	13.6 (0)		
9	WI	eP	02 13 58.0	Z	0.7	15.4 (0)	82.0	4.64
		epP	02 15 50	Z	1.3	23.5 (0)		
9	FM	eP	02 14 00.2	Z	0.5	6.5 (0)	84.0	4.52
		epP	02 16 04	Z	1.4	33.3 (0)		
9	LC	eP	02 14 07.3	Z	0.9	17.0 (0)	85.0	4.67
		epP	02 15 10	Z	1.0	7.3 (0)		
							AVG.	4.56
9	04 32 26.3		17.8 S 168.0 E NEW HEBRIDES IS. REGION H =035 KM MAG 4.60- CGS					
9	12 20 57.9		34.6 S 076.2 W OFF COAST OF CHILE H =033 KM MAG 4.60- CGS					
9	LC	eP	12 32 26.5	Z	1.0	4.9 (0)	73.0	4.49
9	14 54 04.5		04.0 S 151.0 E NEW BRITAIN REGION H =033 KM					
9	18 41 54.2		10.5 N 122.6 E PANAY, PHILIPPINE ISLANDS H =055 KM MAG 4.30- CGS					
9	22 57 47.9		11.6 S 166.1 E SANTA CRUZ ISLANDS REGION H =064 KM					
9	MN	eP	23 10 22.0	Z	0.8	1.0 (0)	86.0	3.87
		eLR	23 37 33	LZ	27	70.7 (1)		
9	LC	eLR	23 40 56	Z	28.0	16.9 (0)	94.0	
10	00 24 57.6		15.2 S 173.1 W SAMOA ISLANDS REGION H =033 KM MAG 4.90- CGS					
10	06 56 33.2		06.9 N 073.2 W NORTHERN COLOMBIA H =144 KM MAG 4.70- CGS					
10	LC	tP	07 03 57.3D	Z	0.9	58.8 (0)	40.0	4.97
10	FM	eP	07 04 57.0	Z	0.5	5.1 (0)	48.0	4.43
10	MN	eP	07 05 24.4	Z	0.7	2.5 (0)	51.0	4.14
10	WI	eP	07 05 30.2	Z	0.6	4.9 (0)	52.0	4.49

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.51
10	07 50 30.2		09.2 S 125.0 E TIMOR H =033 KM MAG 5.20- CGS					
10	MN	eP'	08 09 13.5	Z	0.9	5.2 (0)	117.0	
		eL	08 47 55	LZ	27	12.8 (2)		
		eL	08 58 05	LZ	20	11.7 (2)		
		eL	08 58 05	LR	20	11.5 (2)		
		eL	08 58 05	LT	18	50.2 (1)		
10	WI	eP'	08 09 13.8	Z	0.5	2.4 (0)	117.0	
10	CP	eP'	08 09 18.5	Z	1.0	9.6 (0)	119.0	
		eL	08 49 20	LZ	25	45.1 (2)		
		eL	08 52 30	LZ	22	29.1 (2)		
		eL	08 52 30	LT	22	53.2 (1)		
10	FM	eP'	08 09 22.5	Z	0.5	2.5 (0)	121.0	
		ePP	08 10 50	LZ	12	13.6 (1)		
		e	08 19 00	LR	15	15.3 (1)		
		eSP	08 20 37	LZ	17	31.1 (1)		
		ePS	08 20 50	LR	20	32.9 (1)		
		eSS	08 27 27	LR	22	31.9 (1)		
		e	08 29 40	LR	20	32.9 (1)		
		eL	08 40 55	LR	35	62.3 (1)		
10	LC	eP'	08 09 34.4	Z	1.1	15.4 (0)	127.0	
		e	08 19 49	LT	18	22.7 (1)		
		eSS	08 28 45	LT	19	54.6 (1)		
		eLQ	08 43 20	LT	38	41.3 (2)		
		eLR	08 52 01	LZ	25	85.4 (1)		
		eL	08 57 15	LZ	23	15.8 (2)		
		eL	08 57 15	LR	23	13.8 (2)		
		eL	08 57 15	LT	25	42.5 (1)		
10	SJ	eSS	08 30 15	LT	18	15.2 (2)	135.0	
		eL	08 57 47	LR	27	28.5 (2)		
		eL	09 09 52	LZ	19	99.7 (1)		
		eL	09 09 52	LR	20	13.7 (2)		
		eL	09 09 52	LT	19	28.5 (2)		
10	MN	eP	07 51 02.0	Z	1.0	1.7 (0)		
10	MN	e	07 51 09	Z	1.5	10.0 (0)		
10	08 29 30.*		52.4 N 170.5 W FOX-ALEUTIAN ISLANDS H =033 KM MAG 3.80- CGS					
10	11 39 07.5		03.6 N 148.1 E CAROLINE ISLANDS REGION H =108 KM MAG 4.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	12 27 35.8		18.4 S 177.7 W FIJI ISLANDS REGION					
			H =558 KM MAG 4.40- CGS					
10	WI	eP	12 38 56.2	Z	1.0	5.3 (0)	81.0	3.97
10	LC	eP	12 39 12.4	Z	1.0	8.7 (0)	85.0	4.34
							AVG.	4.15
10	14 12 08.9		15.9 N 091.7 W GUATEMALA					
			H =150 KM MAG 4.30- CGS					
10	LC	eP	14 16 45.8	Z	0.5	3.3 (0)	21.0	4.01
10	MN	iP	14 18 26.1C	Z	0.8	6.5 (0)	32.0	4.36
							AVG.	4.19
10	18 32 30.6		36.4 S 073.3 W NEAR COAST OF CHILE					
			H =040 KM MAG 4.40- CGS					
10	LC	eP	18 44 11.2	Z	0.7	3.1 (0)	75.0	4.36
		eP AS	18 44 22.1	Z	0.7	7.4 (0)		4.74
10	FM	eP	18 44 56.0	Z	0.7	3.3 (0)	83.0	4.56
		eP AS	18 45 06.8	Z	0.7	6.7 (0)		4.86
10	MN	eP	18 45 05.3	Z	0.9	1.9 (0)	85.0	4.22
		eP AS	18 45 16.1	Z	0.9	5.9 (0)		4.69
							AS .	4.76
							AVG.	4.38
10	20 16 24.4		47.6 N 013.3 E AUSTRIA					
			H =040 KM					
10	23 10 47.6		16.8 N 094.1 W CHIAPAS, MEXICO					
			H =130 KM MAG 4.60- CGS					
10	LC	eP	23 15 03.4	Z	0.5	2.8 (0)	19.0	3.91
10	MN	eP	23 16 47.5	Z	1.1	4.2 (0)	30.0	4.08
10	WI	eP	23 17 00.5	Z	0.7	7.5 (0)	32.0	4.50
		e	23 17 20	Z	0.7	7.5 (0)		
							AVG.	4.16
10	23 23 40.9		10.0 S 160.6 E SOLOMON ISLANDS REGION					
			H =090 KM MAG 4.70- CGS					
11	01 13 44.3		51.9 N 176.2 W ANDREANOF - ALEUTIAN IS.					
			H =070 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	02 58 40.7		01.8 N 128.0 E HALMAHERA REGION					
			H =033 KM					
11	04 12 39.*		14.8 N 092.2 W GUATEMALA					
			H =033 KM MAG 3.90- CGS					
11	09 33 10.1		09.9 S 116.2 E SOUTH OF SUMBAWA					
			H =033 KM					
11	DH	eP*2	09 52 49.0	Z	0.7	61.4 (0)	146.0	
11	10 04 36.9		46.8 N 155.5 E KURILE ISLANDS					
			H =080 KM MAG 4.60- CGS					
11	11 02 17.*		52.4 N 155.1 E NEAR COAST OF KAMCHATKA					
			H =033 KM					
11	11 35 56.0		63.7 N 148.6 W CENTRAL ALASKA					
			H =070 KM					
11	NG	eP	11 43 07.2	Z	0.5	3.6 (0)	38.0	4.50
11	12 10 21.5		19.7 N 108.9 W OFF COAST OF MEXICO					
			H =033 KM MAG 4.60- CGS					
11	LC	eP	12 13 25.6	Z	1.0	17.2 (0)	13.0	5.00
		eL	12 16 37	LR	18	97.6 (1)		
		eL	12 18 00	LR	18	97.6 (1)		
		eL	12 18 00	LT	20	54.2 (1)		
11	CP	eP	12 13 55.0	Z	1.0	7.0 (0)	15.0	4.05
11	FM	eP	12 14 51.7	Z	1.0	18.8 (0)	20.0	4.30
11	SJ	eL	12 15 57	LR	25	28.3 (2)	12.0	
		eL	12 17 52	LZ	18	56.2 (1)		
		eL	12 17 52	LR	15	37.0 (2)		
11	MN	eSS	12 18 57	LT	15	57.2 (1)	20.0	
		eL	12 20 00	LT	27	65.8 (1)		
		eL	12 21 40	LZ	18	20.4 (1)		
		eL	12 21 40	LR	15	40.0 (1)		
		eL	12 21 40	LT	15	72.0 (1)		
							AVG.	4.45
11	13 02 29.9		53.8 N 164.8 W FOX-ALEUTIAN ISLANDS					
			H =033 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	LC	eP	13 10 52.6	Z	1.0	6.1 (0)	46.0	4.52
11	TF	eP	14 01 54.3	Z	0.4	18.3 (0)	1.3	
		eS	14 02 11	T	0.4	65.6 (0)		
11	14 19 10.*		79.1 N 001.4 E SVALBARD REGION H =015 KM					
11	CP	eP	16 35 04.0	Z	0.2	13.5 (0)	0.1	
		eS	16 35 08	R	0.3	67.4 (0)		
11	16 45 25.1		60.2 S 018.7 W SANDWICH ISLANDS REGION H =033 KM					
11	WI	eP'	17 04 30.1	Z	1.0	12.7 (0)	129.0	
11	19 19 11.*		17.9 S 175.3 W TONGA ISLANDS H =171 KM MAG 4.50- CGS					
12	00 41 27.9		31.9 N 078.8 E NORTHERN INDIA H =033 KM MAG 5.40- CGS					
12	CP	eP	02 42 39.5	Z	0.3	2.4 (0)	1.6	
		eS	02 43 03	R	0.4	4.9 (0)		
12	04 13 23.7		61.2 N 147.3 W CENTRAL ALASKA H =061 KM MAG 4.30- CGS					
12	WI	eP	04 18 59.5	Z	999.9	99.9 (9)	27.0	
12	MN	eP	04 14 25.0	Z	0.8	2.0 (0)		
12	CP	eP	04 21 22.3	Z	0.3	4.4 (0)	3.9	
		eS	04 22 10	R	0.4	11.7 (0)		
12	TF	eP	05 20 58.6	Z	999.9	99.9 (9)		
12	MV	eP	05 21 54.4	Z	0.3	5.9 (0)	5.4	
12	WI	eP	05 22 42.8	Z	999.9	99.9 (9)		
12	WI	e	05 22 54	Z	0.5	2.0 (0)		
12	MV	eS	05 22 59	T	0.5	12.4 (0)	5.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	WI	eL	05 24 20	T	0.5	3.3 (0)		
12	08 41 56.7		39.0 S 176.7 E NORTH ISLAND, NEW ZEALAND H =106 KM					
12	TF	eP	08 55 04.5	Z	0.9	14.0 (0)	94.0	5.37
		eLQ	09 22 00	LT	20	11.0 (2)		
		eLR	09 25 07	LZ	25	28.2 (2)		
		eL	09 28 30	LZ	21	40.8 (2)		
		eL	09 28 30	LR	21	29.6 (2)		
		eL	09 28 30	LT	18	85.3 (1)		
12	CP	eP	08 55 05.8	Z	1.1	15.3 (0)	95.0	5.33
		eLQ	09 21 30	LT	30	10.5 (2)		
		eLR	09 25 25	LZ	24	24.2 (2)		
		eL	09 32 38	LZ	18	25.5 (2)		
		eL	09 32 38	LR	18	86.3 (1)		
		eL	09 32 38	LT	19	12.6 (2)		
12	MN	eP	08 55 17.0	Z	1.4	12.1 (0)	98.0	5.23
		eP	08 55 20	LZ	15	13.7 (1)		
		eS	09 06 32	LT	12	46.3 (1)		
		ePS	09 08 22	LT	20	29.8 (1)		
		eSSS	09 17 02	LT	20	59.6 (1)		
		eLR	09 26 10	LZ	30	19.8 (2)		
		eL	09 35 37	LT	17	29.4 (2)		
		eL	09 35 37	LZ	18	25.9 (2)		
		eL	09 35 37	LR	22	77.6 (1)		
12	WI	eP	08 55 28.7	Z	999.9	99.9 (9)	100.0	
		eLQ	09 24 20	LR	28	10.1 (2)		
		eLR	09 27 22	LZ	32	17.8 (2)		
		eL	09 37 08	LZ	18	25.1 (2)		
		eL	09 37 08	LR	18	10.3 (2)		
		eL	09 37 08	LT	18	20.7 (2)		
12	LC	ePS	09 08 45	LT	17	22.3 (1)	101.0	
		ePPS	09 10 07	LT	17	26.8 (1)		
		eSS	09 14 19	LT	28	89.6 (1)		
		eLQ	09 23 47	LR	22	55.5 (1)		
		eLR	09 28 00	LZ	28	52.3 (2)		
		eL	09 31 18	LZ	23	28.1 (2)		
		eL	09 31 18	LR	21	12.2 (2)		
		eL	09 31 18	LT	22	18.7 (2)		
12	MV	ePPS	09 09 03	LT	29	9.5 (1)	96.0	
		eSSS	09 13 27	LT	18	48.4 (1)		
		eLQ	09 22 52	LR	23	69.1 (1)		
		eLR	09 26 14	LZ	27	27.4 (2)		
		eL	09 28 00	LZ	24	24.1 (2)		
		eL	09 28 00	LR	23	42.2 (1)		
		eL	09 28 00	LT	25	18.8 (2)		
12	FM	ePPS	09 10 07	LR	24	40.6 (1)	101.0	
		eSS	09 14 15	LR	22	31.0 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	09 28 10	LZ	27	37.7 (2)		
		eL	09 33 45	LZ	20	1.4 (2)		
		eL	09 33 45	LR	20	16.6 (2)		
		eL	09 33 45	LT	20	89.4 (1)		
12	SJ	eLQ	09 25 12	LR	35	40.4 (2)	103.0	
		eLR	09 30 27	LT	24	48.3 (2)		
12	NG	eLQ	09 33 05	LT	23	43.3 (1)	120.0	
		eLR	09 38 12	LZ	28	14.9 (2)		
		eL	09 42 51	LZ	23	7.0 (2)		
		eL	09 42 51	LR	21	13.1 (2)		
		eL	09 42 51	LT	25	83.3 (1)		
						AVG.		5.31
12	10 44 16.8		44.9 N 141.1 E SEA OF JAPAN H =214 KM MAG 4.40- CGS					
12	WI	eP	10 55 01.1	Z	0.7	3.2 (0)	69.0	4.16
12	MN	eP	10 55 10.5	Z	0.7	3.8 (0)	71.0	4.23
12	LC	eP	10 56 11.8	Z	0.8	1.4 (0)	82.0	3.78
		epP	10 57 33	Z	1.0	3.7 (0)		
						AVG.		4.06
12	13 38 03.0		51.6 N 175.0 W ANDREANOF - ALEUTIAN IS. H =033 KM MAG 4.20- CGS					
12	MN	eP	13 45 46.8	Z	1.0	4.2 (0)	40.0	4.16
12	WI	eP	13 45 49.7	Z	0.9	4.1 (0)	40.0	4.13
		eLR	13 58 48	LZ	18	46.7 (1)		
12	FM	eP	13 46 13.5	Z	999.9	99.9 (9)	44.0	
		eL	14 00 43	LZ	18	21.9 (1)		
12	LC	eP	13 47 13.4	Z	1.1	4.6 (0)	52.0	4.35
		eLQ	14 00 55	LT	26	35.3 (1)		
		eLR	14 05 57	LZ	17	19.9 (1)		
12	NG	eP	13 47 28.3	Z	0.6	14.2 (0)	54.0	5.17
		eL	14 06 45	LR	17	20.2 (1)		
12	DH	eP	13 48 33.8	Z	0.7	45.8 (0)	64.0	5.71
12	MV	eL	13 54 47	LZ	18	40.1 (1)	39.0	
						AVG.		4.70
12	MN	eP	17 11 04.4	Z	0.3	2.1 (0)	0.9	
		eS	17 11 17	T	0.4	5.8 (0)		
12	MN	eP	18 14 46.3	Z	0.4	4.1 (0)	2.5	
		eS	18 15 18	R	0.4	3.6 (0)		
12	TF	eP	18 16 01.8	Z	0.3	13.0 (0)	0.1	
		eS	18 16 05	R	0.5	15.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	19 47 54.8		79.6 N 005.1 E SVALBARD REGION H =033 KM MAG 5.20- CGS					
12	NG	eL	20 10 45	LZ	30	70.5 (1)	46.0	
12	LC	eP	20 22 57.1	Z	0.3	13.3 (0)	1.5	
		eS	20 23 17	T	0.4	15.5 (0)		
12	20 48 16.7		16.7 S 173.7 W TONGA ISLANDS H =033 KM MAG 5.00- CGS					
12	TF	eP	20 59 43.0	Z	0.9	36.4 (0)	72.0	5.40
		eL	21 21 45	LR	22	84.1 (1)		
12	MV	eP	20 59 51.9	Z	999.9	99.9 (9)	74.0	
		eL	21 22 23	LZ	23	9.8 (1)		
12	WI	eP	21 00 10.8	Z	999.9	9.9 (9)	78.0	
		eLR	21 24 16	LZ	23	50.7 (1)		
12	FM	eP	21 00 25.0	Z	1.0	49.6 (0)	80.0	5.36
		eL	21 25 18	LZ	24	63.5 (1)		
12	LC	eP	21 00 28.6	Z	1.0	6.2 (0)	81.0	5.48
		eLR	21 25 35	LZ	23	55.3 (1)		
		eL	21 27 07	LZ	22	65.2 (1)		
		eL	21 27 07	LR	20	29.3 (1)		
		eL	21 27 07	LT	22	72.1 (1)		
12	SJ	eP	21 00 53.5	Z	0.8	20.7 (0)	85.0	5.31
12	CP	eLR	21 22 05	LZ	24	66.6 (1)	74.0	
12	MN	eLR	21 23 07	LZ	25	2.4 (1)	76.0	
		eL	21 24 25	LZ	25	4.0 (1)		
		eL	21 24 25	LR	22	61.7 (1)		
		eL	21 24 25	LT	23	71.7 (1)		
12	NG	eLR	21 36 08	LZ	23	75.7 (1)	99.0	
						AVG.		5.39
12	23 59 03.*		36.8 N 022.3 E IONIAN SEA H =033 KM					
13	02 20 57.5		06.2 S 076.5 W CENTRAL PERU H =125 KM MAG 6.30- CGS					
13	SJ	eP	02 28 20.5	Z	1.6	45.5 (2)	40.0	6.97
		eP	02 28 24	LZ	13	41.4 (2)		
		epP	02 28 55	Z	1.0	41.0 (1)		
		esP	02 29 10	Z	1.0	46.4 (1)		
		eS	02 34 17	LR	23	77.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	02 34 18	R	3.0	54.2 (2)		
		eSCS	02 38 15	T	2.6	98.8 (1)		
		e	02 45 29	Z	0.8	52.8 (0)		
13	LC	eP	02 29 25.5	Z	1.2	99.9 (9)	48.0	
		eP	02 29 26	LZ	16	14.0 (2)		
		eS	02 36 15	T	2.2	45.2 (1)		
		eS	02 36 15	LR	16	27.5 (2)		
		ePS	02 36 23	T	2.7	31.8 (1)		
		eSCS	02 39 09	R	4.3	64.2 (1)		
		e	02 40 50	LZ	19	31.7 (2)		
		eP'P'	03 00 17	Z	999.9	99.9 (9)		
13	DH	eP	02 29 28.5	Z	1.5	17.0 (2)	48.0	6.55
		eP	02 29 29	LZ	14	32.6 (2)		
		esP	02 30 10	LZ	15	22.1 (2)		
		eS	02 36 20	LT	21	48.2 (2)		
		esS	02 37 06	LT	22	71.1 (2)		
		e	02 40 21	LZ	23	46.2 (2)		
13	NG	eP	02 30 00.0	Z	1.5	88.5 (1)	53.0	6.47
		eP	02 30 00	LZ	14	22.2 (2)		
		ePCP	02 31 09	Z	1.5	62.8 (1)		
		eS	02 37 15	LR	16	42.4 (2)		
		esS	02 38 00	LR	20	34.6 (2)		
		eSCS	02 39 37	LR	15	38.1 (2)		
		eSCS	02 39 38	R	3.0	78.6 (1)		
13	CP	eP	02 30 12.4	Z	2.0	50.0 (1)	54.0	6.09
		eP	02 30 13	LZ	13	14.8 (2)		
		epP	02 30 42	LZ	14	14.9 (2)		
		ePCP	02 31 15	Z	1.6	26.6 (1)		
		epPCP	02 31 48	Z	1.0	68.5 (0)		
		esPP	02 33 03	LZ	20	76.5 (1)		
		eS	02 37 44	R	999.9	99.9 (9)		
		eS	02 37 44	LR	23	69.7 (1)		
		e	02 37 51	R	3.0	27.0 (1)		
		esS	02 38 30	LR	27	4.5 (1)		
		eSS	02 41 34	LR	21	39.5 (1)		
		eSSS	02 44 03	LR	22	63.5 (1)		
		eP'P'	03 00 20	Z	2.3	64.9 (0)		
13	FM	eP	02 30 25.6	Z	1.3	58.6 (1)	56.0	6.37
		eP	02 30 26	LZ	15	13.3 (2)		
		eS	02 38 05	LT	20	37.2 (2)		
		eS	02 38 08	R	3.0	55.1 (1)		
		eSCS	02 40 02	LR	18	20.1 (2)		
		esSS	02 42 32	LT	24	39.5 (2)		
		ePPP	02 44 55	Z	0.5	3.6 (0)		
		e	02 46 42	LR	34	61.2 (2)		
		eP'P'	03 00 26	Z	1.5	19.0 (0)		
13	TF	eP	02 30 39.9	Z	1.8	76.4 (1)	58.0	6.35
		eP	02 30 42	LZ	13	14.3 (2)		
		esP	02 31 10	LZ	13	14.3 (2)		
		esP	02 31 29	Z	1.5	30.0 (1)		
		eS	02 38 35	T	2.8	33.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	02 38 38	LR	22	67.3 (2)		
		e	02 45 35	LR	24	99.9 (9)		
		eP'P'	03 00 31	Z	1.0	14.5 (0)		
13	MN	eP	02 30 45.7	Z	999.9	9.9 (9)	59.0	
		eP	02 30 47	LZ	17	10.4 (2)		
		epP	02 31 13	LZ	15	10.6 (2)		
		ePCS	02 35 29	T	2.0	69.6 (0)		
		eS	02 38 41	LT	30	99.9 (9)		
		eS	02 38 45	T	5.5	98.5 (1)		
		e	02 39 08	Z	3.6	29.4 (1)		
		esS	02 39 27	LR	15	14.1 (2)		
		esS	02 39 34	R	5.0	71.2 (1)		
		eSCS	02 40 13	LT	999.9	99.9 (9)		
		eSCS	02 40 23	R	4.0	42.5 (1)		
		esSS	02 43 02	LR	999.9	99.9 (9)		
		esSS	02 43 40	T	3.5	14.2 (1)		
		eSSS	02 45 42	LT	21	99.9 (9)		
		eP'P'	03 00 11	Z	1.0	5.9 (0)		
13	WI	eP	02 30 55.1	Z	999.9	99.9 (9)	60.0	
		eS	02 39 04	R	2.0	99.2 (0)		
		e	03 00 00	Z	1.5	9.6 (0)		
		eP'P'	03 00 24	Z	1.8	88.3 (0)		
13	MV	eP	02 31 01.4	Z	1.9	49.1 (1)	61.0	6.13
		eP	02 31 03	LZ	16	12.4 (2)		
		eS	02 39 13	LT	20	99.9 (9)		
		eSS	02 43 34	LT	21	18.7 (2)		
		eP'P'	03 00 18	Z	1.5	57.8 (0)		
							AVG.	6.42

13 03 20 38.5 19.2 S 175.8 W TONGA ISLANDS
H =222 KM MAG 4.50- CGS

13 LC eP 03 32 45.0 Z 1.0 2.5 (0) 84.0 4.87

13 07 51 43.* 32.0 S 068.4 W SAN JUAN PROV., ARGENTINA
H =033 KM MAG 4.60- CGS

13 09 09 03.2 34.1 S 109.9 W EASTER ISLAND REGION
H =033 KM

13 MN eP 09 20 29.5 Z 1.0 4.2 (0) 73.0 4.43

13 11 24 13.0 36.7 N 140.8 E NEAR COAST HONSHU, JAPAN
H =111 KM MAG 4.30- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			14 31 21.0 03.4 S 135.4 E NEAR COAST NEW GUINEA H =031 KM MAG 5.60- CGS					
13	MN	ePD	14 45 29.0	Z	0.7	1.6 (0)	105.0	
		ePP	14 49 56	Z	1.3	4.9 (0)		
		eS	14 57 27	LT	999.9	99.9 (9)		
		eSS	15 04 47	LT	26	64.9 (1)		
		e	15 09 05	LT	22	65.6 (1)		
		eLQ	15 14 35	LT	50	22.9 (2)		
		eLR	15 19 50	LZ	28	13.4 (2)		
13	WI	ePD	14 45 33.0	Z	0.7	2.1 (0)	105.0	
		ePP	14 50 11	Z	1.1	4.0 (0)		
13	LC	eP'	14 50 02.6	Z	999.9	99.9 (9)	115.0	
		ePKKP1	15 00 44	Z	1.0	3.7 (0)		
		ePS	15 00 50	LR	24	51.4 (1)		
		ePKKP2	15 01 01	Z	1.1	15.4 (0)		
		eSS	15 07 08	LT	30	86.4 (1)		
		eSKKS	15 08 00	LR	31	71.6 (1)		
		eLQ	15 18 00	LT	45	24.3 (2)		
		eLR	15 24 40	LZ	27	14.0 (2)		
13	MV	eLR	15 18 33	LZ	31	26.4 (2)	102.0	
13	TF	eLR	15 18 40	LZ	35	46.1 (2)	104.0	
		eL	15 22 10	LR	22	25.4 (2)		
		eL	15 22 10	LT	23	50.9 (2)		
		eL	15 22 10	LZ	22	42.5 (2)		
13	CP	eLR	15 20 10	LZ	28	16.8 (2)	107.0	
		eL	15 23 15	LZ	24	34.2 (2)		
		eL	15 23 15	LR	20	68.1 (0)		
		eL	15 23 15	LT	21	24.3 (1)		
13	FM	eLR	15 22 33	LZ	29	10.6 (2)	109.0	
13	NG	eLR	15 30 00	LZ	35	20.1 (2)	123.0	
13			15 40 27.1 03.4 S 135.7 E WEST IRAN H =040 KM					
13			17 32 33.* 17.0 S 178.3 W FIJI ISLANDS H =631 KM MAG 5.20- CGS					
13			18 53 18.0 11.7 N 087.8 W OFF COAST OF NICARAGUA H =033 KM MAG 4.40- CGS					
13	LC	eP	18 58 57.6	Z	0.8	6.6 (0)	27.0	4.35
13	MN	eP	19 00 35.7	Z	1.0	4.2 (0)	38.0	4.19
							AVG.	4.27
13			19 43 50.0 25.2 N 141.7 E VOLCANO ISLANDS REGION H =106 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	WI	eP	19 55 56.0	Z	1.0	4.3 (0)	81.0	4.23
13			22 07 57.* 31.5 S 179.6 E KERMADEC ISLANDS REGION H =421 KM					
14			05 32 33.9 31.4 S 177.8 W KERMADEC ISLANDS H =033 KM MAG 4.50- CGS					
14	TF	eP	05 45 11.8	Z	1.0	14.9 (0)	86.0	5.00
		eLR	06 16 05	LZ	22	11.6 (2)		
14	CP	eP	05 45 15.1	Z	1.0	14.0 (0)	86.0	4.98
		eL	06 15 40	LZ	20	60.1 (1)		
14	MN	eP	05 45 27.2	Z	0.9	6.3 (0)	89.0	4.81
		eLR	06 15 00	LZ	20	33.1 (1)		
		eL	06 22 00	LZ	18	77.2 (1)		
		eL	06 22 00	LT	18	98.4 (1)		
		eL	06 22 00	LR	18	24.5 (1)		
14	WI	eP	05 45 38.2	Z	1.0	8.7 (0)	91.0	5.00
		eLR	06 16 00	LZ	20	37.2 (1)		
		eL	06 20 00	LZ	18	80.7 (1)		
		eL	06 20 00	LR	18	33.5 (1)		
		eL	06 20 00	LT	18	70.9 (1)		
14	MV	eLR	06 15 00	LZ	20	47.8 (1)	88.0	
		eL	06 20 00	LZ	20	83.8 (1)		
		eL	06 20 00	LT	20	36.1 (1)		
		eL	06 20 00	LR	18	16.3 (1)		
14	FM	eL	06 18 00	LZ	18	11.6 (1)	93.0	
		eL	06 22 00	LZ	18	30.9 (1)		
		eL	06 22 00	LR	18	25.9 (1)		
		eL	06 22 00	LT	18	13.0 (1)		
14	LC	eLR	06 20 00	LZ	18	36.2 (1)	92.0	
		eL	06 22 00	LZ	18	54.3 (1)		
		eL	06 22 00	LR	18	34.2 (1)		
		eL	06 22 00	LT	18	32.3 (1)		
14	DH	eL	06 36 00	LR	18	13.1 (2)	119.0	
							AVG.	4.95
14			06 28 33.1 30.0 N 140.0 E SOUTH OF HONSHU, JAPAN H =033 KM					
14			07 24 32.8 30.4 N 140.7 E HONSHU, JAPAN H =033 KM					
14	WI	eP	07 36 33.5	Z	1.0	4.3 (0)	79.0	4.37

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14			07 52 05.1 30.6 N 140.8 E SOUTH OF HONSHU, JAPAN H =033 KM					
14	WI	eP	08 04 04.0	Z	1.0	3.2 (0)	78.0	4.31
14	CP	eP	10 34 12.6	Z	0.2	13.3 (0)	0.3	
		eS	10 34 18	T	0.2	37.1 (0)		
14	LC	eP	11 11 15.7	Z	0.9	7.5 (0)		
14	LC	eP	11 31 15.8	Z	0.9	7.5 (0)		
14	MN	eP	12 14 01.3	Z	0.3	6.5 (0)	1.0	
		eS	12 14 15	R	0.3	25.2 (0)		
14			13 14 21.8 05.4 S 154.2 E NEW BRITAIN H =142 KM MAG 5.20- CGS					
14			18 58 39.2 30.7 N 139.8 E SOUTH OF HONSHU, JAPAN H =110 KM					
14	WI	eP	19 10 32.4	Z	1.0	7.6 (0)	79.0	4.47
14	MN	eP	19 10 38.1	Z	1.0	5.8 (0)	80.0	4.35
14	LC	eP	19 11 33.5	Z	0.8	2.9 (0)	91.0	4.54
						AVG.		4.45
14			20 36 53.4 30.6 N 139.8 E SOUTH OF HONSHU, JAPAN H =113 KM MAG 4.50- CGS					
14	WI	eP	20 48 46.1	Z	1.2	13.4 (0)	79.0	4.63
14	LC	eP	20 49 47.8	Z	0.9	2.8 (0)	91.0	4.47
						AVG.		4.55
15			05 17 04.2 23.5 S 068.9 W NORTHERN CHILE H =041 KM					
15			05 40 41.1 23.5 S 068.2 W CHILE BOLIVIA BORDER H =105 KM MAG 5.00- CGS					
15	DH	eP	05 51 19.0	Z	0.5	49.6 (0)	66.0	5.28
15	LC	eP	05 51 22.5	Z	1.0	12.5 (0)	67.0	4.78
15	FM	eP	05 52 12.8	Z	0.9	16.0 (0)	75.0	4.84

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	WI	eP	05 52 36.0	Z	999.9	99.9 (9)	79.0	
		ePP	05 53 04	Z	1.0	16.3 (0)		
						AVG.		4.97
15			07 32 59.3 60.8 N 147.5 W KENAI PEN. REGION, ALASKA H =057 KM					
15			15 01 25.8 04.0 S 129.0 E CERAM REGION H =148 KM MAG 4.40- CGS					
15			20 19 21.* 00.9 S 128.0 E HALMAHERA REGION H =033 KM MAG 4.50- CGS					
15			22 18 26.4 39.5 N 110.2 W EASTERN UTAH H =033 KM					
15	FM	eP	22 18 50.0	Z	0.6	24.9 (0)	2.0	
		eS	22 19 12	T	999.9	99.9 (9)		
15			22 35 59.7 15.0 N 092.2 W MEXICO-GUATEMALA BORDER H =033 KM MAG 4.60- CGS					
15	LC	eP	22 40 51.0	Z	0.8	17.7 (0)	22.0	4.51
15	MN	eP	22 42 30.7	Z	0.9	7.6 (0)	33.0	4.59
15	WI	eP	22 42 44.4	Z	0.6	0.9 (0)	34.0	4.92
						AVG.		4.68
15			23 39 27.3 18.3 S 173.7 W TONGA ISLANDS REGION H =033 KM MAG 5.00- CGS					
15	MN	eP	23 51 18.6	Z	1.2	46.0 (0)	77.0	5.38
15	WI	eP	23 51 30.8	Z	1.1	99.9 (9)	79.0	
15	FM	eP	23 51 42.5	Z	1.0	20.8 (0)	81.0	5.05
15	LC	eP	23 51 45.2	Z	1.2	38.4 (0)	82.0	5.30
						AVG.		5.24
16			01 29 19.4 00.8 S 128.0 E HALMAHERA REGION H =033 KM MAG 7.00- PAS					
16	MV	ePD	01 43 40.0	LZ	16	11.7 (2)	106.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	01 47 20	LZ	17	44.0 (2)		
16	WI	ePD	01 43 43.2	LZ	17	34.9 (2)	109.0	
		e	01 43 48	Z	1.0	4.3 (0)		
		ePP	01 48 38	LT	18	34.6 (2)		
		ePKKP	01 59 02	Z	1.2	10.0 (0)		
16	MN	ePD	01 43 50.2	Z	999.9	99.9 (9)	109.0	
		ePD	01 43 52	LZ	17	11.6 (2)		
		e	01 47 25	LZ	16	34.9 (2)		
		ePP	01 48 13	LZ	20	21.9 (2)		
		ePP	01 48 19	Z	1.2	19.1 (0)		
16	CP	ePD	01 44 20	LZ	15	13.4 (2)	112.0	
		eP'	01 48 02	LZ	15	12.4 (2)		
		eP'	01 48 13	Z	1.0	14.5 (0)		
		e	01 48 45	Z	2.3	21.1 (1)		
		ePP	01 49 05	LZ	17	41.5 (2)		
16	FM	ePD	01 44 50	LZ	15	93.7 (1)	113.0	
		eP'	01 47 47	Z	1.7	24.8 (0)		
		ePP	01 48 56	Z	2.3	16.2 (1)		
		e	01 49 20	LZ	18	29.2 (2)		
16	LC	eP'	01 48 11.5	Z	0.5	0.9 (0)	120.0	
		e	01 48 14	Z	0.8	4.4 (0)		
		ePKKP	01 58 25	Z	1.5	77.7 (0)		
		eL	02 30 00	Z	18.0	5.3 (0)		
16	NG	eP'	01 48 22.2	Z	1.0	19.4 (0)	125.0	
		ePP	01 50 08	LZ	14	14.6 (2)		
		ePP	01 50 18	Z	1.2	44.8 (0)		
		eSKP	01 51 50	LZ	18	40.5 (2)		
		e	01 53 45	LZ	15	74.1 (2)		
16	SJ	eP'	01 48 34.0	Z	1.3	88.5 (0)	128.0	
		e	01 48 45	LZ	18	68.9 (1)		
		e	01 48 55	Z	1.2	12.7 (1)		
		e	01 49 27	LZ	12	29.3 (2)		
16	DH	eP'	01 48 43.5	Z	2.5	38.6 (1)	134.0	
		e	01 49 40	LZ	15	18.2 (2)		
		ePP	01 51 10	LZ	16	40.0 (2)		
		ePP	01 51 20	Z	1.5	90.9 (0)		
		ePKS	01 52 30	LR	17	36.0 (2)		
		e	01 53 10	LT	16	68.9 (2)		
		eL	02 25 20	LR	999.9	99.9 (9)		

16 01 36 59.4 01.2 S 128.4 E HALMAHERA REGION
H =033 KM MAG 6.30- CGS

16	WI	eP'	01 55 42.9	Z	1.5	19.2 (0)	109.0	
		ePKKP	02 06 41	Z	1.2	8.3 (0)		
		e	02 06 59	Z	1.2	30.2 (0)		
16	LC	eP'	01 55 48.5	Z	1.0	5.0 (0)	120.0	
		e	01 55 55	Z	1.2	23.0 (0)		
		e	01 56 00	Z	1.0	15.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePKKP	02 06 12	Z	1.2	19.2 (0)		
		eL	02 38 02	Z	15.0	5.7 (0)		
16	NG	eP'	01 55 58.7	Z	1.0	19.4 (0)	125.0	
		ePKKP	02 09 37	Z	1.5	42.8 (0)		
16	MN	ePP	01 56 12	Z	1.3	28.7 (0)	109.0	
		ePKKP	02 06 41	Z	1.2	5.1 (0)		
		e	02 06 58	Z	1.3	20.7 (0)		
		eL	02 27 50	Z	15.0	13.8 (0)		
16	DH	eP'	01 56 17.5	Z	1.5	90.9 (0)	134.0	
		eSKS	02 14 23	LR	22	99.9 (9)		
		eL	02 33 34	LZ	40	99.9 (9)		
16	CP	ePP	01 56 23	Z	1.6	35.0 (0)	112.0	
		eL	02 33 20	Z	15.0	18.8 (0)		
16	FM	ePP	01 56 25	Z	1.5	35.0 (0)	113.0	
		e	01 58 47	Z	1.0	11.9 (0)		
		ePKKP	02 06 40	Z	1.5	35.0 (0)		
16	TF	eL	02 30 12	Z	16.0	13.9 (0)	108.0	

16 01 55 10.9 00.7 S 128.0 E HALMAHERA REGION
H =032 KM MAG 6.00- CGS

16	WI	ePD	02 09 40.1	Z	1.0	6.5 (0)	109.0	
		e	02 12 56	Z	1.5	19.2 (0)		
		eP'	02 13 25	Z	1.0	12.0 (0)		
16	MN	ePD	02 09 44.3	Z	1.2	10.2 (0)	109.0	
		eP'	02 13 16	Z	1.8	39.6 (0)		
		ePP	02 14 15	Z	1.1	53.6 (0)		
		ePPP	02 16 54	Z	3.3	50.8 (1)		
		e	02 18 44	Z	2.6	22.7 (1)		
		eL	02 37 50	Z	16.0	12.5 (0)		
16	CP	eP'	02 13 50.0	Z	1.2	13.4 (0)	112.0	
		e	02 14 01	Z	1.1	21.5 (0)		
16	FM	eP'	02 13 50.0	Z	1.2	9.1 (0)	113.0	
		ePP	02 14 52	Z	1.1	18.3 (0)		
16	LC	eP'	02 14 02.0	Z	1.0	6.2 (0)	120.0	
		e	02 14 20	Z	1.0	50.0 (0)		
16	NG	eP'	02 14 10.5	Z	1.0	19.4 (0)	125.0	
		ePP	02 16 03	Z	1.5	99.9 (0)		
16	SJ	eP'	02 14 22.0	Z	1.5	13.5 (1)	128.0	
		e	02 14 40	Z	1.5	24.3 (1)		
		ePP	02 16 41	Z	1.7	30.6 (1)		
16	DH	eP'	02 14 32.0	Z	1.5	12.1 (1)	134.0	
		eSKP	02 17 06	Z	1.2	47.5 (0)		
		e	02 18 15	Z	1.2	47.5 (0)		
		e	02 19 15	Z	999.9	99.9 (9)		

16 02 05 52.* 01.3 S 126.9 E HALMAHERA REGION
H =033 KM MAG 5.80- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	MN	eP'	02 24 26.8	Z	999.9	99.9 (9)	110.0	
16	FM	eP'	02 24 40.0	Z	999.9	99.9 (9)	114.0	
16	LC	eP'	02 24 45.0	Z	1.2	15.3 (0)	121.0	
16	NG	eP'	02 25 01.7	Z	1.0	24.2 (0)	126.0	
16	02 50 57.5		00.8 S 127.8 E	HALMAHERA REGION				
			H =033 KM					
16	03 32 25.3		01.1 S 127.9 E	HALMAHERA REGION				
			H =033 KM MAG	4.40- CGS				
16	LC	eP'	03 51 14.5	Z	0.8	2.2 (0)	120.0	
16	03 46 32.5		00.9 S 127.8 E	HALMAHERA REGION				
			H =033 KM MAG	4.40- CGS				
16	04 04 04.7		00.3 S 127.6 E	HALMAHERA REGION				
			H =033 KM					
16	04 10 16.3		00.8 S 128.9 E	HALMAHERA REGION				
			H =033 KM					
16	LC	eP'	04 29 05.5	Z	1.0	2.5 (0)	119.0	
16	05 31 59.2		18.4 S 177.7 W	FIJI ISLANDS REGION				
			H =557 KM MAG	4.50- CGS				
16	MN	eP	05 43 09.5	Z	0.7	7.0 (0)	79.0	4.20
16	WI	eP	05 43 20.5	Z	0.8	70.3 (0)	81.0	4.35
16	LC	eP	05 43 37.5	Z	0.9	11.5 (0)	85.0	4.50
						AVG.		4.35
16	05 34 34.6		44.8 N 110.4 W	YELLOWSTONE NATIONAL PARK				
			H =033 KM MAG	3.70- CGS				
16	WI	eP	05 36 04.7	Z	0.4	0.3 (0)	6.0	3.37
		e	05 36 11	Z	0.5	4.1 (0)		
16	06 27 56.5		01.6 S 127.8 E	HALMAHERA REGION				
			H =053 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	07 41 04.8		01.1 S 129.5 E	HALMAHERA REGION				
			H =033 KM MAG	4.50- CGS				
16	07 45 25.8		00.0 127.6 E	HALMAHERA REGION				
			H =033 KM MAG	4.50- CGS				
16	09 10 29.0		00.9 S 128.5 E	HALMAHERA REGION				
			H =033 KM MAG	4.40- CGS				
16	WI	eL	09 24 21	LZ	17	11.5 (2)		
16	12 03 42.5		01.0 S 127.6 E	HALMAHERA REGION				
			H =033 KM MAG	4.70- CGS				
16	LC	eP'	12 22 33.8	Z	1.2	19.2 (0)	120.0	
16	WI	eP	14 21 02.7	Z	1.2	8.3 (0)		
16	16 54 12.4		48.1 N 128.5 W	WEST OF VANCOUVER ISLAND				
			H =033 KM					
16	18 47 08.8		35.4 N 044.3 E	IRAQ				
			H =104 KM MAG	5.20- CGS				
16	DH	eP	18 59 37.0	Z	0.9	23.7 (0)	85.0	5.11
16	20 00 47.2		01.3 S 128.9 E	HALMAHERA REGION				
			H =033 KM MAG	4.60- CGS				
17	00 09 34.9		34.2 S 106.3 W	EASTER ISLAND REGION				
			H =033 KM MAG	4.50- CGS				
17	MN	eP	00 21 04.7	Z	1.0	6.6 (0)	73.0	4.62
17	WI	eP	00 21 22.2	Z	1.1	10.8 (0)	76.0	4.79
						AVG.		4.70
17	01 10 16.6		00.6 S 128.1 E	HALMAHERA REGION				
			H =089 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17			31.7 S 067.5 W SAN JUAN PROV., ARGENTINA H =079 KM					
17			19.6 S 178.6 E FIJI ISLANDS H =033 KM MAG 5.90- CGS					
17	TF	eP	02 23 34.1	Z	1.0	15.7 (1)	80.0	5.86
		e	02 33 45	LR	25	77.6 (2)		
		eLQ	02 45 05	LT	20	28.3 (2)		
		eLR	02 47 40	LZ	22	57.3 (2)		
		eL	02 52 00	LZ	18	98.4 (2)		
		eL	02 52 00	LR	15	15.0 (2)		
		eL	02 52 00	LT	19	51.3 (2)		
17	MV	eP	02 23 40.5	Z	1.0	67.1 (0)	81.0	5.56
		e	02 33 50	LT	15	22.9 (2)		
		eSPP	02 35 22	LZ	23	37.9 (2)		
		eSS	02 39 10	LT	20	18.1 (2)		
		e	02 42 35	LZ	25	52.0 (2)		
		eLR	02 48 20	LZ	35	82.7 (2)		
		eL	02 51 00	LT	22	45.8 (2)		
		eL	02 51 00	LZ	22	62.2 (2)		
		eL	02 51 00	LR	22	86.2 (1)		
17	CP	eP	02 23 40.5	Z	0.8	38.8 (0)	81.0	5.42
		e	02 33 50	LT	15	21.9 (2)		
		ePPS	02 35 00	LT	25	46.4 (2)		
		e	02 39 15	LT	21	37.3 (2)		
		e	02 45 40	LT	20	25.1 (2)		
		eLR	02 47 25	LZ	30	42.8 (2)		
		eL	02 53 00	LZ	18	79.7 (2)		
		eL	02 53 00	LR	18	42.8 (2)		
		eL	02 53 00	LT	18	37.9 (2)		
17	MN	eP	02 23 49.3	Z	1.0	53.2 (0)	83.0	5.62
		e	02 34 14	T	3.0	10.5 (1)		
		e	02 34 15	LT	18	25.3 (2)		
		eSS	02 39 20	LR	23	24.7 (2)		
		eSSS	02 42 45	LT	25	41.1 (2)		
		eLQ	02 46 00	LT	25	33.8 (2)		
		eLR	02 49 25	LZ	30	47.6 (2)		
		eL	02 53 00	LZ	21	21.1 (2)		
		eL	02 53 00	LR	18	7.5 (1)		
		eL	02 53 00	LT	21	26.1 (2)		
17	WI	eP	02 23 59.5	Z	0.9	48.8 (0)	85.0	5.63
		e	02 34 25	LT	18	25.9 (2)		
		eSS	02 40 00	LT	20	21.0 (2)		
		eSSS	02 43 25	LT	25	27.7 (2)		
		eLR	02 50 00	LZ	40	63.9 (2)		
		eL	02 54 10	LZ	20	35.9 (2)		
		eL	02 54 10	LR	20	44.7 (2)		
		eL	02 54 10	LT	20	41.6 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	FM	eP	02 24 11.7	Z	1.0	51.8 (0)	87.0	5.64
		e	02 34 43	LR	20	24.8 (2)		
		ePS	02 36 00	LR	22	24.8 (2)		
		eSS	02 40 30	LT	22	27.6 (2)		
		eSSS	02 44 20	LT	24	40.0 (2)		
		eLQ	02 47 30	LT	35	42.4 (2)		
		eLR	02 50 50	LZ	35	51.3 (2)		
		eL	02 58 00	LZ	18	57.9 (2)		
		eL	02 58 00	LR	18	32.7 (2)		
		eL	02 58 00	LT	20	81.0 (1)		
17	LC	eP	02 24 17.1	Z	0.8	36.9 (0)	88.0	5.66
		e	02 35 00	LT	20	32.8 (2)		
		eSS	02 40 55	LT	25	25.9 (2)		
		eSSS	02 44 20	LT	25	23.2 (2)		
		eLQ	02 48 00	LT	30	54.1 (2)		
		eLR	02 52 15	LZ	24	73.7 (2)		
		eL	02 57 00	LZ	20	81.7 (2)		
		eL	02 57 00	LR	19	38.4 (2)		
		eL	02 57 00	LT	19	50.9 (2)		
17	NG	ePS	02 39 20	LR	25	27.0 (2)	106.0	
		ePPS	02 40 22	LR	25	20.2 (2)		
		eSS	02 45 00	LR	25	22.2 (2)		
		eSSS	02 48 50	LR	25	22.2 (2)		
		e	02 59 30	LT	23	22.0 (2)		
		eLQ	03 01 05	LT	30	16.0 (2)		
		eLR	03 03 54	LZ	25	25.1 (2)		
		eL	03 09 00	LZ	18	58.4 (2)		
		eL	03 09 00	LR	18	42.1 (2)		
		eL	03 09 00	LT	18	14.2 (2)		
17	DH	ePS	02 41 00	LR	20	32.5 (2)	115.0	
		eSS	02 47 20	LR	22	21.9 (2)		
		eL	03 08 50	LZ	22	31.1 (2)		
		eL	03 16 00	LZ	18	56.2 (2)		
		eL	03 16 00	LR	18	57.6 (2)		
		eL	03 16 00	LT	20	18.7 (2)		
						AVG.		5.63
17			01.0 S 128.3 E HALMAHERA REGION H =033 KM MAG 4.60- CGS					
17			15.7 S 174.1 W SAMOA ISLANDS REGION H =124 KM MAG 5.10- CGS					
17	MN	eP	08 35 04.0	Z	1.0	14.1 (0)	75.0	4.72
17	WI	eP	08 35 15.8	Z	1.0	10.9 (0)	77.0	4.61
17	FM	eP	08 35 28.5	Z	0.8	5.4 (0)	79.0	4.40
17	LC	eP	08 35 33.6	Z	0.9	21.1 (0)	80.0	4.94
		epP	08 36 10	Z	0.8	4.4 (0)		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
								AVG.	4.67
17			10 20 08.*	01.1 S 128.0 E					
				H =033 KM					
				HALMAHERA REGION					
17			10 45 21.1	36.2 N 070.7 E					
				H =140 KM					
				HINDU KUSH					
17			12 13 34.3	18.4 S 173.8 W					
				H =033 KM MAG 4.80- CGS					
				TONGA ISLANDS REGION					
17			17 03 02.4	03.5 S 135.4 E					
				H =039 KM MAG 5.50- CGS					
				WESTERN NEW GUINEA					
17	WI	eP	17 38 03.2		Z	1.0	7.6 (0)		
17			17 49 30.6	58.3 N 032.4 W					
				H =033 KM					
				NORTH ATLANTIC OCEAN					
17	WI	eP	17 58 51.0		Z	1.2	8.4 (0)	54.0	4.64
17			17 55 02.9	58.3 N 032.3 W					
				H =033 KM					
				NORTH ATLANTIC OCEAN					
17	WI	eP	18 04 24.0		Z	1.5	16.0 (0)	54.0	4.83
								AVG.	4.83 -
17	WI	eP	18 11 32.5		Z	1.2	6.7 (0)		
17			18 24 27.6	54.9 S 028.2 W					
				H =026 KM MAG 5.30- CGS					
				SANDWICH ISLANDS					
17	MN	eP	18 43 19.2		Z	1.1	4.1 (0)	120.0	
17	LC	eL	19 20 00		LZ	28	60.7 (1)	110.0	
		eL	19 25 00		LZ	20	91.8 (1)		
		eL	19 25 00		LR	20	70.8 (1)		
		eL	19 25 00		LT	20	60.9 (1)		
17			19 08 26.7	05.4 N 081.5 W					
				H =033 KM MAG 4.20- CGS					
				SOUTH OF PANAMA					

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
17	MN	eP	19 16 54.0		Z	1.0	6.6 (0)	47.0	4.62
		eSKKP	19 43 09		Z	1.0	3.3 (0)		
18			01 51 55.2	20.3 S 177.7 W					
				H =530 KM MAG 4.50- CGS					
				FIJI ISLANDS REGION					
18	MN	eP	02 03 15.0		Z	1.0	14.9 (0)	81.0	4.44
18	LC	eP	02 03 40.5		Z	1.0	11.0 (0)	86.0	4.47
								AVG.	4.46
18			02 37 20.6	00.7 S 128.4 E					
				H =116 KM MAG 4.60- CGS					
				HALMAHERA REGION					
18			03 23 07.2	13.2 S 176.5 W					
				H =033 KM MAG 4.10- CGS					
				FIJI ISLANDS REGION					
18			04 27 40.6	19.4 N 109.1 W					
				H =033 KM MAG 4.50- CGS					
				OFF COAST OF JALISCO, MEX.					
18	LC	eP	04 30 48.0		Z	1.1	15.2 (0)	13.0	4.90
		eP	04 30 48		LZ	11	21.0 (1)		
		eS	04 33 30		LR	12	34.3 (1)		
		eLQ	04 34 05		LR	17	17.0 (2)		
		eLR	04 34 37		LZ	15	14.4 (2)		
18	TF	eP	04 31 54.5		Z	1.0	14.7 (0)	18.0	4.10
18	FM	eP	04 32 15.0		Z	1.5	72.6 (0)	20.0	4.71
		eLR	04 38 05		LZ	25	49.2 (1)		
18	MN	eP	04 32 18.4		Z	1.5	26.9 (0)	21.0	4.35
		eS	04 36 23		LT	16	76.7 (1)		
		eLQ	04 37 12		LT	29	86.8 (1)		
		eLR	04 38 34		LT	15	11.1 (2)		
18	WI	eP	04 32 45.0		Z	1.0	4.3 (0)	23.0	3.87
		eLQ	04 38 50		LT	17	48.8 (1)		
		eLR	04 41 17		LZ	16	78.2 (1)		
18	CP	eL	04 35 00		LZ	18	12.2 (2)	15.0	
18	NG	eLQ	04 43 31		LT	31	78.9 (1)	31.0	
		eLR	04 45 40		LZ	11	33.8 (1)		
								AVG.	4.39
18			10 43 16.2	44.8 N 110.2 W					
				H =033 KM					
				YELLOWSTONE NATIONAL PARK					
18			14 59 11.7	45.0 N 110.9 W					
				H =033 KM					
				YELLOWSTONE PARK, WYO.					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18			01.3 S 128.8 E HALMAHERA					
			H =033 KM MAG 4.70- CGS					
18			22.0 S 064.3 W SOUTHERN BOLIVIA					
			H =033 KM					
18			01.7 S 128.1 E HALMAHERA REGION					
			H =063 KM					
19			35.7 N 118.1 W KERN COUNTY, CALIFORNIA					
			H =033 KM					
19	TF	eP	03 21 39.0	Z	0.4	99.9 (9)	1.6	
19	MN	eP	03 21 52.9	Z	0.4	3.7 (0)	2.7	
		e	03 21 59	Z	0.5	11.6 (0)		
19	CP	eP	03 22 00.7	Z	0.3	0.5 (0)	3.3	3.03
		e	03 22 11	Z	999.9	99.9 (9)		
19	WI	eP	03 22 34.7	Z	0.3	1.1 (0)	5.7	3.86
		e	03 22 56	Z	0.4	6.1 (0)		
		eL	03 24 07	T	0.7	7.5 (0)		
						AVG.		3.44
19			09.8 S 120.5 E SUMBA					
			H =033 KM MAG 4.90- CGS					
19	WI	eP	04 00 33.6	Z	0.3	0.7 (0)	0.4	
		eS	04 00 40	R	0.4	3.8 (0)		
19	TF	eP	04 00 41.3	Z	0.3	2.8 (0)	3.7	
		eS	04 01 27	R	0.5	12.8 (0)		
19			31.6 N 115.7 W BAJA CALIFORNIA					
			H =014 KM					
19	CP	eP	06 19 39.5	Z	999.9	99.9 (9)	1.3	
19	TF	eP	06 20 34.5	Z	0.3	2.8 (0)	5.0	4.32
		eL	06 21 33	T	0.4	8.0 (0)		
19	LC	eP	06 21 13.5	Z	0.3	0.8 (0)	8.0	4.38
							AVG.	4.35
19			33.1 S 069.2 W MENDOZA PROV., ARGENTINA					
			H =087 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	LC	eP	06 31 41.9	Z	0.7	3.0 (0)	74.0	4.26
19			06 58 14.8 17.7 S 167.3 E NEW HEBRIDES REGION					
			H =033 KM					
19			07 30 19.2 35.3 N 025.2 E CRETE					
			H =047 KM					
19			07 35 23.7 35.8 N 096.9 E TSINGHAI PROVINCE, CHINA					
			H =033 KM MAG 7.00- PAS					
19	WI	eP	07 48 54.5	Z	999.9	99.9 (9)	97.0	
		eP	07 48 55	LZ	12	61.8 (1)		
		ePP	07 52 52	Z	1.2	10.2 (0)		
		ePP	07 52 52	LZ	17	82.6 (1)		
		e	07 53 49	LZ	17	84.6 (1)		
		eSKS	07 59 45	LR	18	99.9 (9)		
		eS	08 00 26	LT	999.9	99.9 (9)		
		eS	08 00 26	LR	18	33.6 (2)		
19	MN	eP	07 49 05.1	Z	1.2	7.6 (0)	99.0	5.27
		eP	07 49 07	LZ	10	36.3 (4)		
		ePP	07 53 09	Z	1.5	17.1 (0)		
		ePP	07 53 10	LZ	12	11.8 (2)		
		ePPP	07 55 21	LZ	10	80.6 (4)		
		eSKS	07 59 55	LT	18	17.9 (2)		
		eS	08 00 30	LT	30	99.9 (9)		
19	MV	ePP	07 52 57	LZ	15	41.2 (1)	97.0	
		eSKS	07 59 17	LR	18	21.7 (2)		
		eSP	08 01 45	LZ	22	41.2 (2)		
		e	08 06 22	LR	27	77.2 (2)		
19	FM	ePP	07 53 20	LZ	12	66.6 (1)	101.0	
		e	07 56 05	LZ	18	43.2 (1)		
		eSKS	07 59 50	LR	18	82.0 (1)		
		eS	08 00 55	LR	25	49.5 (2)		
		eSP	08 02 10	LZ	25	24.7 (2)		
		eSS	08 08 02	LR	25	99.9 (9)		
19	TF	ePP	07 53 25	Z	999.9	99.9 (9)	101.0	
		eSKS	08 00 00	LT	22	33.7 (2)		
		eS	08 01 00	LR	23	68.4 (2)		
		eS	08 01 00	LT	20	72.2 (2)		
		eSP	08 02 34	LZ	23	42.3 (2)		
		eSS	08 07 52	LT	23	10.4 (3)		
		eSSS	08 12 20	LT	24	14.3 (3)		
		eL	08 17 22	LR	38	99.9 (9)		
19	CP	ePP	07 53 51	Z	1.2	8.7 (0)	105.0	
		ePP	07 54 00	LZ	15	95.7 (1)		
		eSKS	08 00 20	LR	15	21.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	08 01 37	LT	22	51.5 (2)		
		eS	08 01 37	LR	24	19.2 (2)		
		ePS	08 03 10	LT	20	40.3 (2)		
		ePPS	08 04 20	LT	20	31.9 (2)		
		eSS	08 08 52	LT	20	75.4 (2)		
		eSSS	08 12 45	LT	27	67.7 (2)		
		eL	08 20 00	LR	25	68.3 (2)		
		eL	08 22 10	LR	25	99.9 (9)		
19	LC	eP'	07 54 03.1	Z	1.0	3.6 (0)	109.0	
		ePP	07 54 18	Z	1.0	3.6 (0)		
		ePP	07 54 18	LZ	16	64.6 (1)		
		eSKS	08 00 33	LR	15	12.2 (2)		
		e	08 02 03	LR	22	22.7 (2)		
		eSP	08 03 35	LZ	18	29.8 (2)		
		ePKKP	08 05 03	Z	999.9	99.9 (9)		
		ePPS	08 05 04	LR	22	26.5 (2)		
		ePKKP	08 05 22	Z	1.2	5.6 (0)		
		eSS	08 09 40	LR	26	99.9 (9)		
		eSSS	08 13 37	LT	19	31.2 (2)		
19	DH	eS	08 01 00	LR	18	11.2 (4)	102.0	
		eS	08 01 00	LT	17	11.4 (2)		
		ePS	08 02 45	LR	28	11.0 (3)		
		e	08 03 40	LZ	22	23.6 (2)		
		eSS	08 08 47	LT	30	71.3 (2)		
		eSSS	08 11 50	LT	32	62.0 (2)		
		eL	08 17 10	LT	30	62.9 (2)		
		eL	08 21 10	LT	47	99.9 (9)		

19	MN	eP	11 01 09.0	Z	0.5	13.1 (0)		

19	16 17 54.8		58.8 S 026.0 W	SANDWICH ISLAND REGION				
			H =099 KM					
19	CP	eP'	16 36 30.5	Z	0.5	3.2 (0)	118.0	
19	FM	eP'	16 36 37.2	Z	0.9	7.1 (0)	121.0	
19	MN	eP'	16 36 41.1	Z	0.7	4.9 (0)	123.0	
19	WI	eP'	16 36 44.5	Z	0.7	99.9 (9)	125.0	
		eL	17 19 25	LZ	24	65.3 (1)		
19	LC	eL	17 14 38	LZ	27	43.1 (1)	113.0	

19	16 28 52.3		01.3 S 128.8 E	HALMAHERA REGION				
			H =033 KM MAG	4.70- CGS				
19	LC	eP	16 48 52.7	Z	0.3	1.3 (0)	2.9	
		eS	16 49 30	T	0.4	3.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	20 41 34.5		01.4 S 128.9 E	HALMAHERA REGION				
			H =033 KM MAG	4.40- CGS				
19	LC	eP	21 09 25.1	Z	0.3	9.2 (0)	1.4	
		eS	21 09 43	T	0.5	5.6 (0)		
19	22 44 16.8		29.9 S 177.7 W	KERMADEC ISLANDS				
			H =041 KM MAG	4.70- CGS				
19	MN	eP	22 57 03.0	Z	0.7	2.8 (0)	88.0	4.59
		e	22 57 17	Z	1.2	10.2 (0)		
20	00 43 55.9		38.6 N 020.7 E	WEST COAST OF GREECE				
			H =048 KM					
20	00 50 00.6		46.4 N 151.1 E	KURILE ISLANDS				
			H =102 KM					
20	MN	eP	01 00 24.0	Z	0.8	7.3 (0)	64.0	4.66
20	01 07 58.0		01.2 S 128.9 E	HALMAHERA REGION				
			H =285 KM MAG	1.0 - CGS				
20	02 45 28.7		69.7 N 016.5 E	NORTHERN NORWAY				
			H =035 KM					
20	MN	eP	03 15 31.3	Z	0.7	2.4 (0)		
20	LC	eP	03 17 01.2	Z	1.0	3.6 (0)		
20	05 46 59.5		27.5 S 070.2 W	NORTHERN CHILE				
			H =033 KM MAG	4.70- CGS				
20	LC	eP	05 58 03.2	Z	0.9	5.6 (0)	69.0	4.66
20	WI	eP	05 59 14.1	Z	1.1	12.0 (0)	81.0	4.77
							AVG.	4.72
20	07 03 45.1		52.4 N 160.0 E	COAST OF KAMCHATKA				
			H =033 KM MAG	4.40- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	WI	eP	07 13 15.6	Z	0.6	1.3 (0)	55.0	4.15
20	14 30 37.6		17.5 N 098.6 W	GUERRERO, MEXICO				
			H =033 KM MAG	3.90-	CGS			
20	LC	eP	14 34 30.2	Z	999.9	99.9 (9)	17.0	
20	MN	eP	14 36 12.8	Z	1.0	2.4 (0)	27.0	3.83
20	16 55 53.6		22.3 S 064.8 W	BOLIVIA-ARGENTINA BORDER				
			H =271 KM MAG	4.20-	CGS			
20	20 32 16.2		52.3 N 159.5 E	OFF COAST OF KAMCHATKA				
			H =033 KM MAG	5.00-	CGS			
20	WI	eP	20 41 46.1	Z	0.7	2.1 (0)	55.0	4.28
20	MN	eP	20 41 57.6	Z	1.0	3.3 (0)	56.0	4.32
		eLR	21 00 00	LZ	25	57.6 (1)		
20	LC	eP	20 43 10.2	Z	999.9	99.9 (9)	67.0	
		eSS	20 56 30	LR	27	31.4 (1)		
		eLR	21 05 40	LZ	27	58.3 (1)		
							AVG.	4.30
21	00 57 56.6		16.6 S 178.3 W	FIJI ISLANDS REGION				
			H =033 KM MAG	4.60-	CGS			
21	04 38 21.7		24.1 N 122.1 E	NEAR EAST COAST OF FORMOSA				
			H =033 KM MAG	5.20-	CGS			
21	WI	eP	04 51 41.0	Z	1.2	25.2 (0)	96.0	5.62
		eSKS	05 02 25	LR	20	93.0 (1)		
		eLR	05 23 00	LZ	28	43.7 (1)		
21	MN	eP	04 51 46.5	Z	1.0	4.9 (0)	96.0	4.99
21	TF	eP	04 51 50.2	Z	999.9	99.9 (9)	97.0	
21	MV	eS	05 02 42	LT	25	68.6 (1)	94.0	
		eS	05 02 42	LR	16	13.7 (1)		
		eSS	05 08 48	LT	20	34.0 (1)		
		eL	05 16 00	LT	25	29.4 (1)		
21	LC	eSKS	05 03 17	LR	19	26.6 (1)	107.0	
		ePS	05 06 22	LR	20	31.4 (1)		
		eSS	05 12 07	LT	21	25.7 (1)		
		eL	05 34 40	LR	25	41.4 (1)		
		eL	05 42 20	LR	20	89.9 (1)		
		eL	05 42 20	LT	19	50.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	FM	eS	05 03 25	LR	25	33.9 (1)	99.0	
		eSS	05 10 30	LR	20	25.2 (1)		
		eL	05 20 13	LR	26	53.2 (1)		
21	NG	eSS	05 11 50	LR	22	30.4 (1)	105.0	
		eL	05 28 05	LR	34	12.1 (2)		
21	DH	eLR	05 43 10	LZ	27	14.8 (2)	112.0	
							AVG.	5.31
21	09 17 05.2		26.8 N 128.5 E	RYUKYU ISLANDS REGION				
			H =028 KM					
21	WI	eP	09 29 58.1	Z	1.2	13.4 (0)	89.0	5.02
21	MN	eP	09 30 02.8	Z	1.2	3.8 (0)	90.0	4.47
							AVG.	4.74
21	10 38 30.0		03.2 S 146.9 E	BISMARCK SEA				
			H =033 KM MAG	6.00-	CGS			
21	LC	eSS	11 12 22	LR	27	37.1 (1)	106.0	
		eLR	11 27 20	LZ	27	75.9 (1)		
		eL	11 30 05	LZ	23	73.6 (1)		
		eL	11 30 05	LR	23	64.9 (1)		
		eL	11 30 05	LT	23	29.6 (1)		
21	MV	eLR	11 21 20	LZ	25	14.7 (2)	96.0	
		eL	11 22 52	LZ	25	16.7 (2)		
		eL	11 22 52	LR	24	84.5 (1)		
		eL	11 22 52	LT	22	64.7 (1)		
21	MN	eLR	11 22 27	LZ	27	16.3 (2)	96.0	
		eL	11 25 23	LZ	22	16.7 (2)		
		eL	11 25 23	LR	22	12.6 (2)		
		eL	11 25 23	LT	24	10.9 (2)		
21	WI	eLR	11 23 00	LZ	25	14.5 (2)	96.0	
		eL	11 26 02	LZ	23	10.4 (2)		
		eL	11 26 02	LR	20	46.5 (1)		
		eL	11 26 02	LT	21	12.2 (2)		
21	CP	eLR	11 23 00	LZ	35	25.5 (2)	97.0	
21	FM	eLR	11 24 52	LZ	25	87.3 (1)	100.0	
		eL	11 28 25	LZ	23	11.4 (2)		
		eL	11 28 25	LR	23	58.5 (1)		
		eL	11 28 25	LT	21	99.1 (1)		
21	NG	eL	11 33 28	LZ	25	47.6 (1)	116.0	
21	DH	eLR	11 44 45	LZ	26	12.1 (2)	126.0	
21	13 02 45.3		35.6 N 138.2 E	HONSHU, JAPAN				
			H =046 KM MAG	4.30-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	TF	eP	13 46 53.2	Z	0.3	28.4 (0)	0.5	
		eS	13 47 11	T	999.9	99.9 (9)		
21	MN	eP	13 47 26.0	Z	0.3	0.5 (0)	0.4	
		e	13 47 30	Z	0.4	8.6 (0)		
21	CP	eP	13 47 31.5	Z	0.3	2.5 (0)	3.3	
21	MN	eS	13 48 10	R	0.4	9.4 (0)	0.4	
21	CP	eS	13 48 14	T	0.4	9.5 (0)	3.3	
21	WI	eP	13 48 25.6	Z	0.3	0.7 (0)	1.5	
		eS	13 49 45	T	0.5	3.5 (0)		
21	TF	eP	15 30 50.9	Z	0.3	49.1 (0)	1.5	
21	MN	eP	15 31 04.6	Z	0.3	i (0)	2.4	
		e	15 31 10	Z	0.4	3.1 (0)		
21	TF	eS	15 31 13	T	0.4	51.7 (0)	1.5	
21	CP	eP	15 31 19.0	Z	0.3	5.6 (0)	3.6	
21	MN	eS	15 31 46	T	0.5	15.8 (0)	2.4	
21	CP	eS	15 32 04	R	0.4	17.2 (0)	3.6	

21 21 17 58.5 00.9 S 128.1 E HALMAHERA REGION
H =033 KM MAG 4.60- CGS

21	LC	eP	22 10 13.4	Z	0.3	4.0 (0)	2.9	
		eS	22 10 50	T	0.4	11.2 (0)		
21	MN	eP	22 17 52.5	Z	0.3	1.4 (0)	3.1	
		eS	22 18 26	R	0.5	6.1 (0)		

21 23 16 50.5 01.5 S 128.7 E HALMAHERA REGION
H =033 KM MAG 4.60- CGS

22 00 51 09.0 31.5 N 074.0 E WEST PAKISTAN
H =037 KM

22 01 48 09.0 07.0 S 129.2 E BANDA SEA
H =135 KM MAG 5.30- CGS

22 07 25 30.8 29.9 S 177.6 W KERMADEC ISLAND REGION
H =033 KM MAG 5.30- CGS

22	TF	eP		07 38 02.5	Z	0.9	19.7 (0)	84.0	5.24
		eP	AS	07 38 18.0	Z	0.9	22.6 (0)		5.30
22	CP	eP		07 38 06.0	Z	1.0	25.7 (0)	85.0	5.31
		eP	AS	07 38 21.7	Z	0.9	16.4 (0)		5.16
22	MN	eP		07 38 18.2	Z	1.0	18.3 (0)	88.0	5.26
		eP	AS	07 38 34.0	Z	0.8	8.8 (0)		5.04

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	WI	eP	07 38 29.0	Z	1.0	13.3 (0)	90.0	5.09
		eP AS	07 38 44.8	Z	1.2	20.5 (0)		5.19
22	LC	eP	07 38 36.0	Z	1.0	8.6 (0)	91.0	5.00
		eP AS	07 38 51.4	Z	1.0	9.8 (0)		5.06
							AS .	5.15
							AVG.	5.18

22 08 30 30.5 05.1 S 154.1 E SOLOMON ISLANDS REGION
H =132 KM MAG 5.20- CGS

22	MN	eP	08 43 23.6	Z	0.8	0.9 (0)	91.0	4.02
		epP	08 43 58	Z	0.8	1.9 (0)		

22 10 41 12.7 12.2 N 143.6 E MARIANA ISLANDS REGION
H =033 KM

22	MN	eP	10 54 05.4	Z	0.8	1.4 (0)	89.0	4.23

22	MN	eP	11 11 09.0	Z	1.0	4.1 (0)		
22	WI	eP	11 15 44.3	Z	0.7	1.6 (0)		
22	MN	eP	14 07 31.5	Z	0.3	0.8 (0)	3.0	
		e	14 07 36	Z	0.5	6.2 (0)		
		eS	14 08 09	R	0.5	26.8 (0)		

22 15 06 53.6 19.8 S 175.4 W TONGA ISLANDS REGION
H =053 KM MAG 5.60- CGS

22	MN	eP	15 18 52.7	Z	0.9	3.8 (0)	79.0	4.32
		e	15 19 28	Z	1.2	15.3 (0)		
22	LC	eP	15 19 18.8	Z	0.9	7.5 (0)	84.0	4.76
		e	15 19 55	Z	0.9	4.7 (0)		
							AVG.	4.54

22 15 38 19.1 41.3 N 039.0 E BLACK SEA
H =033 KM MAG 5.30- CGS

23 02 35 39.8 32.3 S 072.5 W COAST OF CENTRAL CHILE
H =033 KM

23 02 45 04.7 11.4 S 165.9 E SANTA CRUZ ISLANDS REGION
H =597 KM MAG 4.10- CGS

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
23			02 51 17.2	46.9 N 103.7 E H =033 KM MAG		OUTER MONGOLIA 5.10-	CGS		
23			03 37 44.1	19.9 N 109.2 W H =033 KM MAG		REVILLA GIGEDO ISLANDS REG 4.20-	CGS		
23	WI	eP	03 38 46.4		Z	1.0	7.0 (0)		
23			07 19 44.8	60.7 S 024.7 W H =033 KM MAG		SANDWICH ISLANDS REGION 5.20-	CGS		
23			09 55 06.8	25.7 N 099.5 E H =033 KM MAG		YUNNAN PROVINCE, CHINA 5.10-	CGS		
23	MN	eL	10 43 00		LT	40	55.9 (1)	107.0	
23	FM	eL	10 46 00		LZ	39	12.8 (1)	109.0	
23	LC	eL	10 49 25		LT	41	45.2 (1)	117.0	
23	NG	eL	10 53 20		LR	22	17.6 (1)	108.0	
23	SJ	eL	10 58 25		LT	32	10.6 (2)	124.0	
		eL	11 03 30		LT	23	36.6 (2)		
		eL	11 03 30		LR	23	15.1 (2)		
		eL	11 03 30		LZ	20	40.6 (1)		
23			11 37 03.1	12.2 N 125.7 E H =030 KM		SAMAR, PHILIPPINE ISLANDS			
23	WI	eP	11 44 13.5		Z	0.8	6.6 (0)	101.0	5.24
23			12 58 06.6	50.9 N 128.8 W H =043 KM MAG		VANCOUVER ISLAND REGION 3.30-	CGS		
23			14 02 56.8	42.6 N 019.5 E H =038 KM MAG		YUGOSLAVIA-ALBANIA BORDER 5.10-	CGS		
23			15 32 50.1	17.8 S 178.7 W H =533 KM MAG		FIJI ISLANDS REGION 4.40-	CGS		
23	LC	ePKKP	16 02 01.0		Z	0.8	4.4 (0)	85.0	
23			18 52 24.4	05.1 S 146.1 E H =134 KM		N. E. COAST OF NEW GUINEA			

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
23			19 49 58.6	23.8 S 179.9 E H =540 KM MAG		SOUTH OF FIJI ISLANDS 4.60-	CGS		
24			02 33 10.1	00.8 S 091.6 W H =033 KM MAG		GALAPAGOS ISLAND REGION 4.10-	CGS		
24			03 55 06.6	17.2 S 174.5 W H =190 KM MAG		TONGA ISLANDS REGION 4.70-	CGS		
24			05 33 49.8	10.4 S 161.4 E H =080 KM MAG		SOLOMON ISLANDS REGION 4.70-	CGS		
24			05 51 44.1	01.1 S 127.2 E H =033 KM MAG		HALMAHERA REGION 4.80-	CGS		
24			07 10 13.2	21.0 S 066.2 W H =164 KM		SOUTHWESTERN BOLIVIA			
24			09 22 09.1	31.1 S 066.8 W H =110 KM MAG		LA RIOJA PROV., ARGENTINA 4.30-	CGS		
24	LC	eP	09 33 31.8		Z	0.7	2.4 (0)	74.0	4.14
24	WI	eP	12 34 33.1		Z	0.6	1.7 (0)		
24			13 32 12.2	27.0 N 128.8 E H =033 KM MAG		RYUKYU ISLANDS REGION 5.10-	CGS		
24	WI	eP	13 45 03.2		Z	1.0	7.1 (0)	88.0	4.85
24	CP	eP	13 45 29.2		Z	0.8	5.0 (0)	94.0	4.93
							AVG.		4.89
24			13 33 06.6	39.6 N 110.0 W H =042 KM MAG		NORTHEASTERN UTAH 4.60-	CGS		
24	LC	eP	13 35 24.0		Z	0.5	0.9 (0)	8.0	4.02
		eL	13 37 09		R	0.8	6.0 (0)		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
24			15 58 07.4	52.1 N 157.3 E KAMCHATKA H =033 KM MAG 4.30- CGS					
24	DH	eP	19 31 30.6		Z	0.9	73.6 (0)		
24			20 31 08.9	36.3 N 071.4 E HINDU KUSH REGION H =125 KM					
24			20 48 16.4	30.1 S 177.8 W KERMADEC ISLAND REGION H =033 KM					
24			21 42 49.0	20.8 S 179.1 W FIJI ISLANDS REGION H =603 KM MAG 5.10- CGS					
24	TF	eP	21 53 53.2		Z	0.9	8.4 (0)	80.0	4.17
24	CP	eP	21 53 59.2		Z	1.0	17.1 (0)	80.0	4.43
24	MV	eP	21 54 01.5		Z	0.8	19.2 (0)	81.0	4.58
24	WI	eP	21 54 18.8		Z	0.8	10.0 (0)	84.0	4.49
24	LC	eP	21 54 34.2		Z	1.0	8.7 (0)	87.0	4.43
								AVG.	4.42
24			22 29 35.7	39.7 N 104.8 W NORTHEASTERN COLORADO H =033 KM MAG 4.10- CGS					
24	FM	eP	23 42 45.5		Z	0.5	10.3 (0)		
25			06 05 32.2	42.4 N 019.4 E YUGOSLAVIA-ALBANIA BORDER H =044 KM					
25			07 20 09.2	12.4 N 087.4 W NEAR W. COAST OF NICARAGUA H =033 KM					
25	SJ	eP	07 24 25.2		Z	0.7	21.1 (0)	18.0	4.41
25			08 12 57.2	04.7 N 122.4 E CELEBES SEA H =610 KM MAG 5.50- CGS					
25	MN	eP	08 30 16.0		Z	0.9	1.3 (0)	110.0	
		ePP	08 31 03		Z	1.2	10.5 (0)		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
25	LC	eP	08 30 43.8		Z	0.8	4.4 (0)	121.0	
		ePP	08 33 22		Z	1.2	13.4 (0)		
		ePKKP	08 41 53		Z	0.8	2.9 (0)		
25	NG	eP	08 30 46.7		Z	0.7	9.9 (0)	123.0	
25	WI	ePP	08 31 21		Z	0.6	1.8 (0)	109.0	
		ePKKP	08 41 44		Z	0.8	3.8 (0)		
		eSKKP	08 44 16		Z	1.0	4.3 (0)		
25	SJ	ePP	08 33 16		Z	1.1	31.4 (0)	129.0	
		ePP	08 33 26		Z	0.8	12.5 (1)		
25	LC	eP	09 48 51.6		Z	1.2	5.7 (0)		
25			11 09 29.5	04.3 N 062.4 E MALDIVE ISLANDS REGION H =033 KM					
25	MN	eP	11 28 53.0		Z	1.0	2.5 (0)	137.0	
25			11 19 18.4	31.7 N 140.5 E SOUTH OF HONSHU, JAPAN H =053 KM MAG 4.10- CGS					
25	WI	eP	11 31 15.2		Z	1.3	8.3 (0)	78.0	4.54
		ePCP	11 31 29		Z	1.2	13.3 (0)		
25	MN	eP	11 31 19.2		Z	1.5	10.0 (0)	80.0	4.47
		ePCP	11 31 37		Z	1.4	16.2 (0)		
								AVG.	4.51
25			11 54 58.6	29.9 N 136.9 E SOUTH OF HONSHU, JAPAN H =033 KM					
25			12 14 01.1	35.8 N 069.6 E HINDU KUSH REGION H =210 KM					
25			13 02 28.8	23.4 S 113.0 W EASTER ISLAND REGION H =033 KM MAG 4.60- CGS					
25	LC	eP	13 12 06.0		Z	0.8	2.9 (0)	56.0	4.36
25	MN	eP	13 12 46.3		Z	0.9	11.8 (0)	62.0	5.05
25	WI	eP	13 13 05.5		Z	1.0	16.2 (0)	65.0	5.11
								AVG.	4.84
25			13 36 14.2	45.2 N 005.9 E SOUTHEASTERN FRANCE H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	16 35 56.2		01.3 S 128.7 E HALMAHERA REGION H =033 KM MAG 5.30- CGS					
25	WI	eLR	17 26 10	LZ	32	11.1 (2)	109.0	
		eL	17 32 32	LZ	20	32.0 (2)		
		eL	17 32 32	LR	20	29.4 (1)		
		eL	17 32 32	LT	20	84.6 (1)		
25	CP	eL	17 26 40	LZ	30	75.5 (1)	112.0	
		eL	17 33 55	LZ	20	16.6 (2)		
		eL	17 33 55	LT	22	14.4 (2)		
25	FM	eL	17 30 42	LZ	24	56.6 (1)	113.0	
		eL	17 35 20	LZ	22	74.2 (1)		
		eL	17 35 20	LR	20	21.7 (1)		
		eL	17 35 20	LT	22	68.3 (1)		
25	LC	eL	17 31 05	LZ	25	32.4 (1)	120.0	
		eL	17 38 40	LZ	21	90.5 (1)		
		eL	17 38 40	LR	21	63.9 (1)		
		eL	17 38 40	LT	18	89.1 (0)		
25	17 50 25.3		21.6 S 178.0 W FIJI ISLANDS REGION H =380 KM MAG 5.00- CGS					
25	WI	eP	18 02 16.4	Z	0.8	13.4 (0)	84.0	4.74
		e	18 03 48	Z	1.2	19.9 (0)		
25	LC	eP	18 02 30.7	Z	1.0	13.7 (0)	87.0	4.75
							AVG.	4.75
25	21 06 44.0		28.1 S 070.0 W NORTHERN CHILE H =068 KM					
26	CP	eP	01 02 34.3	Z	999.9	99.9 (9)		
26	TF	eP	01 03 29.2	Z	0.3	2.7 (0)		
26	MN	eP	01 04 00.8	Z	0.3	0.6 (0)		
26	TF	eL	01 04 23	T	0.4	6.4 (0)		
26	MN	eL	01 05 53	R	0.7	2.0 (0)		
26	CP	eP	04 07 53.0	Z	0.3	2.4 (0)	2.9	
		eS	04 08 29	T	0.4	1.9 (0)		
26	MN	eP	04 19 30.0	Z	0.3	0.3 (0)		
26	MN	e	04 19 40	Z	0.3	2.4 (0)		
26	CP	eP	04 19 43.0	Z	0.3	1.4 (0)	3.6	
26	MN	eL	04 20 13	R	0.5	5.4 (0)		
26	WI	eP	04 20 20.0	Z	0.4	1.1 (0)		
26	CP	eS	04 20 28	T	0.4	4.8 (0)	3.6	
26	WI	eL	04 21 33	T	0.8	6.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	05 37 30.8		16.6 S 073.7 W NEAR COAST SOUTHERN PERU H =023 KM					
26	08 18 09.2		18.0 S 173.8 W TONGA ISLANDS REGION H =018 KM MAG 5.00- CGS					
26	MN	eP	08 30 00.0	Z	1.0	11.9 (0)	77.0	4.92
26	WI	eP	08 30 13.1	Z	0.9	8.4 (0)	79.0	4.73
26	LC	eP	08 30 28.1	Z	999.9	99.9 (9)	81.0	
							AVG.	4.82
26	MN	eP	08 49 44.0	Z	0.3	1.8 (0)	1.1	
		eS	08 49 58	T	0.4	2.9 (0)		
26	WI	eP	12 27 01.8	Z	1.2	3.3 (0)		
26	CP	eP	13 18 52.3	Z	0.3	11.4 (0)	1.5	
26	TF	eP	13 19 05.4	Z	0.3	4.0 (0)	2.1	
26	CP	eS	13 19 13	R	0.4	30.0 (0)	1.5	
26	TF	eS	13 19 32	T	0.4	9.0 (0)	2.1	
26	15 22 51.3		64.4 N 148.3 W CENTRAL ALASKA H =139 KM MAG 4.30- CGS					
26	16 44 12.0		18.1 S 069.0 W PERU CHILE BORDER H =110 KM MAG 4.70- CGS					
26	DH	eP	16 54 10.7	Z	0.7	10.4 (0)	60.0	5.03
		e	16 54 43	Z	1.0	20.9 (0)		
26	LC	eP	16 54 20.9	Z	1.1	6.0 (0)	62.0	4.51
26	NG	eP	16 54 47.5	Z	0.7	7.4 (0)	66.0	4.70
		e	16 55 19	Z	1.0	30.0 (0)		
26	FM	eP	16 55 14.0	Z	0.8	15.5 (0)	70.0	4.87
		e	16 55 46	Z	1.2	20.2 (0)		
26	MN	eP	16 55 30.4	Z	0.8	7.0 (0)	73.0	4.53
		e	16 56 03	Z	1.2	13.1 (0)		
26	WI	eP	16 55 39.3	Z	999.9	99.9 (9)	74.0	
							AVG.	4.73
26	NG	eP	19 35 00.8	Z	0.3	3.5 (0)	0.8	
		eS	19 35 12	T	0.3	13.2 (0)		
26	LC	eP	21 03 35.4	Z	0.3	14.0 (0)	1.5	
		eS	21 03 55	T	0.4	19.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	LC	eP	21 35 40.9	Z	0.3	3.0 (0)	2.9	
		eS	21 36 17	T	0.4	5.2 (0)		
26	23 45 01.2		24.1 N 122.5 E OFF EAST COAST OF FORMOSA H =033 KM MAG 4.90- CGS					
26	WI	eP	23 58 20.7	Z	1.0	4.3 (0)	94.0	4.77
27	CP	eP	03 24 00.0	Z	999.9	99.9 (9)		
27	03 42 33.9		66.7 N 019.2 W OFF NORTH COAST OF ICELAND H =033 KM MAG 4.60- CGS					
27	FM	eP	03 52 12.2	Z	1.0	25.6 (0)	56.0	5.20
27	LC	eP	03 52 36.9	Z	0.9	9.4 (0)	60.0	4.85
27	NG	eL	04 01 15	LZ	22	21.4 (1)	41.0	
		eL	04 02 30	LT	23	99.9 (9)		
						AVG.		5.03
27	04 53 50.9		44.8 N 110.4 W YELLOWSTONE NATIONAL PARK H =033 KM MAG 4.40- CGS					
27	FM	eP	04 55 18.4	Z	999.9	99.9 (9)	6.0	
		eL	04 56 52	LR	14	57.1 (1)		
		eL	04 56 53	R	1.5	29.0 (0)		
27	WI	eP	04 55 24.6	Z	0.6	0.9 (0)	6.0	3.58
		e	04 55 30	Z	999.9	99.9 (9)		
		eL	04 56 50	R	1.1	16.7 (0)		
27	MN	eP	04 56 00.0	Z	0.8	2.0 (0)	9.0	4.40
		eL	04 58 19	Z	1.5	17.5 (0)		
						AVG.		3.99
27	08 33 42.1		15.9 S 173.9 W TONGA ISLANDS H =100 KM MAG 4.90- CGS					
27	MN	eP	08 45 16.5	Z	1.0	3.4 (0)	75.0	4.13
		epP	08 45 43	Z	1.0	8.5 (0)		
27	LC	eP	08 45 46.1	Z	1.0	3.6 (0)	80.0	4.16
		epP	08 46 13	Z	1.0	6.1 (0)		
27	WI	epP	08 45 52	Z	1.0	5.4 (0)	77.0	
						AVG.		4.15

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	08 42 58.*		00.6 S 128.4 E HALMAHERA REGION H =033 KM MAG 4.90- CGS					
27	LC	eP'	09 01 52.9	Z	1.0	2.4 (0)	119.0	
		ePKKP	09 12 10	Z	0.7	1.2 (0)		
		eS	09 13 50	LR	20	79.7 (1)		
		eSS	09 19 45	LT	28	68.2 (1)		
		eLQ	09 32 50	LT	35	26.6 (2)		
27	NG	eP'	09 01 58.5	Z	1.0	9.9 (0)	125.0	
27	WI	eS	09 11 49	LT	20	43.4 (1)	108.0	
		eSS	09 17 38	LT	25	75.0 (1)		
		e	09 21 10	LR	24	58.0 (1)		
		eLQ	09 28 02	LR	47	68.2 (2)		
		eLR	09 32 49	LZ	27	75.3 (1)		
		eL	09 35 58	LZ	25	15.5 (2)		
		eL	09 35 58	LR	28	13.1 (2)		
		eL	09 35 58	LT	25	25.2 (2)		
27	FM	e	09 23 17	LR	28	74.7 (1)	113.0	
		eLQ	09 30 22	LT	34	16.5 (2)		
		eLR	09 35 55	LZ	30	12.9 (2)		
		eL	09 38 10	LZ	25	17.7 (2)		
		eL	09 38 10	LR	25	79.0 (1)		
		eL	09 38 10	LT	24	17.4 (2)		
27	CP	eLQ	09 29 36	LR	35	33.7 (2)	111.0	
		eLR	09 33 03	LZ	24	80.0 (1)		
27	11 03 29.1		22.8 S 068.9 W NORTHERN CHILE H =100 KM MAG 4.80- CGS					
27	LC	eP	11 14 04.9	Z	1.1	9.1 (0)	66.0	4.61
		epP	11 14 28	Z	1.0	4.9 (0)		
27	FM	eP	11 14 56.0	Z	1.0	12.8 (0)	74.0	4.70
		epP	11 15 20	Z	1.0	12.8 (0)		
27	MN	eP	11 15 10.9	Z	1.0	8.5 (0)	76.0	4.53
27	WI	eP	11 15 19.3	Z	0.9	30.3 (0)	78.0	5.12
		e	11 15 44	Z	1.0	19.7 (0)		
		epP	11 15 54	Z	1.0	19.7 (0)		
						AVG.		4.74
27	13 39 34.6		45.0 N 111.4 W SOUTHWESTERN MONTANA H =033 KM MAG 4.00- CGS					
27	WI	eP	13 41 05.2	Z	0.5	2.4 (0)	6.0	4.09
		eL	13 42 27	T	0.8	4.0 (0)		
27	MN	eP	13 41 35.5	Z	0.8	1.0 (0)	8.0	3.90
						AVG.		4.00

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27			15 10 10.5 61.4 N 148.3 W SOUTHERN ALASKA H =039 KM					
27	MN	eP	15 16 12.0	Z	0.7	1.2 (0)	30.0	3.82
27			18 54 34.3 16.5 S 172.6 W TONGA ISLANDS H =033 KM MAG 4.60- CGS					
27			19 29 43.7 30.3 S 070.3 W CENTRAL CHILE H =059 KM MAG 4.70- CGS					
27	LC	eP	19 40 59.0	Z	0.7	5.5 (0)	71.0	4.61
27	MN	eP	19 41 57.0	Z	1.0	3.4 (0)	82.0	4.25
							AVG.	4.43
28			00 42 11.* 40.5 N 027.4 E NORTHWESTERN TURKEY H =160 KM					
28			01 51 06.8 01.1 S 128.6 E HALMAHERA REGION H =026 KM					
28			01 51 07.7 01.1 S 128.5 E HALMAHERA REGION H =033 KM					
28			02 05 15.9 24.0 S 067.9 W CHILE ARGENTINA BORDER H =120 KM MAG 4.20- CGS					
28	WI	eP	02 17 12.6	Z	0.9	7.8 (0)	80.0	4.51
		epP	02 17 41	Z	0.8	3.3 (0)		
		eLR	02 41 00	LZ	25	63.9 (1)		
28	LC	eL	02 41 10	Z	38.0	33.3 (0)	67.0	
28	MN	eLR	02 43 25	LZ	23	59.4 (1)	78.0	
28	CP	eP	03 07 52.2	Z	0.6	32.3 (0)	1.1	
		eS	03 08 06	R	0.7	75.1 (0)		
28			04 05 05.5 30.9 N 131.1 E SOUTHERN KYUSHU, JAPAN H =064 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28			04 51 20.* 18.9 S 170.2 E NEW HEBRIDES ISLANDS H =229 KM					
28			05 22 08.0 12.1 S 078.0 W NEAR COAST OF PERU H =050 KM MAG 4.90- CGS					
28	LC	eP	05 31 14.5	Z	0.8	9.4 (0)	52.0	4.82
		epP	05 31 28	Z	0.8	6.5 (0)		
28	NG	eP	05 31 56.7	Z	1.0	10.0 (0)	58.0	4.79
28	MN	eP	05 32 30.8	Z	0.7	2.7 (0)	63.0	4.40
28	WI	eP	05 32 41.2	Z	0.8	6.6 (0)	64.0	4.77
		epP	05 32 55	Z	0.9	8.6 (0)		
							AVG.	4.69
28	MN	eP	12 23 46.0	Z	0.2	19.8 (0)	0.1	
		eS	12 23 50	R	0.3	16.2 (0)		
28			14 16 05.9 17.6 S 178.5 W FIJI ISLANDS H =505 KM MAG 4.50- CGS					
28	CP	eP	14 27 11.6	Z	0.9	6.6 (0)	78.0	4.06
28	MN	eP	14 27 20.4	Z	0.8	4.7 (0)	79.0	3.97
28	WI	eP	14 27 31.0	Z	0.8	7.3 (0)	81.0	4.25
							AVG.	4.09
28			15 25 30.3 17.6 S 174.5 W TONGA ISLANDS H =060 KM MAG 4.70- CGS					
28			16 38 50.7 21.5 S 067.6 W SOUTHERN BOLIVIA H =147 KM MAG 4.10- CGS					
28	WI	eP	16 50 34.1	Z	0.6	2.3 (0)	78.0	4.14
		epP	16 51 03	Z	0.7	6.1 (0)		
28			17 28 20.* 00.6 S 128.5 E HALMAHERA H =033 KM					
28			18 13 30.9 09.8 S 160.3 E SOLOMON ISLANDS H =030 KM MAG 5.40- CGS					
28	MN	eP	18 26 27.5	Z	1.0	9.6 (0)	89.0	4.95

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	CP	eP	18 26 28.8	Z	1.0	15.7 (0)	90.0	5.16
28	WI	eP	18 26 33.2	Z	1.0	15.8 (0)	91.0	5.26
							AVG.	5.12
28	19 50 11.4		36.1 N 071.3 E HINDU KUSH					
			H =150 KM MAG 4.80- CGS					
28	LC	eP	20 07 24.3	Z	0.2	23.4 (0)	1.4	
		eS	20 07 42	T	0.3	19.6 (0)		
28	21 57 22.1		24.0 S 068.1 W NORTHERN CHILE					
			H =033 KM					
28	WI	eP	22 09 27.0	Z	0.7	2.8 (0)	79.0	4.33
		e	22 09 52	Z	0.6	1.4 (0)		
28	22 54 28.*		11.0 S 130.1 E BANDA SEA					
			H =479 KM					
28	23 21 35.*		39.3 N 141.0 E HONSHU, JAPAN					
			H =033 KM MAG 4.30- CGS					
29	01 20 47.4		07.9 S 158.7 E SOLOMON ISLANDS REGION					
			H =072 KM MAG 4.80- CGS					
29	MN	eP	03 50 15.5	Z	1.0	3.3 (0)		
29	05 03 37.2		23.9 N 121.6 E NORTHERN LUZON					
			H =118 KM MAG 4.30- CGS					
29	WI	eP	05 16 38.5	Z	0.9	2.5 (0)	95.0	4.62
29	WI	eP	07 55 32.8	Z	1.0	3.3 (0)		
29	08 34 24.6		10.7 S 164.5 E SANTA CRUZ ISLANDS					
			H =050 KM MAG 5.10- CGS					
29	09 21 34.2		17.8 S 013.2 W SOUTH ATLANTIC OCEAN					
			H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	14 51 52.4		63.9 S 159.5 E BALLENY ISLAND REGION					
			H =033 KM MAG 5.90- CGS					
29	MN	eP'	15 10 42.4	Z	1.0	3.3 (0)	121.0	
29	20 35 41.6		17.4 N 092.7 W CHIAPAS, MEXICO					
			H =027 KM MAG 5.20- CGS					
29	SJ	eP	20 38 21.4	Z	1.0	33.9 (0)	11.0	5.56
		eL	20 40 27	LZ	25	79.1 (1)		
29	LC	eP	20 40 08.1	Z	0.7	6.8 (0)	20.0	4.01
		eP	20 40 09	LZ	15	44.0 (1)		
		eS	20 43 54	LT	15	50.7 (1)		
		eS	20 43 54	LR	12	71.6 (1)		
		eL	20 47 39	LT	20	10.9 (2)		
		eL	20 52 01	LR	15	15.5 (2)		
29	FM	eP	20 41 29.4	Z	0.8	8.7 (0)	28.0	4.58
29	NG	eP	20 41 33.8	Z	0.8	11.8 (0)	29.0	4.71
		e	20 42 16	Z	0.9	23.0 (0)		
		eS	20 46 20	LT	20	40.5 (1)		
		eL	20 54 40	LZ	20	66.3 (1)		
		eL	20 54 40	LT	18	79.8 (1)		
29	MN	eP	20 41 56.0	Z	0.8	14.7 (0)	31.0	4.91
		ePCP	20 44 53	Z	1.0	5.8 (0)		
		eL	20 51 10	LT	30	65.9 (1)		
		eL	20 54 00	LZ	22	61.6 (1)		
		eL	20 54 00	LR	23	31.1 (1)		
		eL	20 54 00	LT	20	20.3 (2)		
29	CP	eL	20 51 14	LZ	20	57.1 (1)	26.0	
29	MV	eL	20 52 35	LT	30	55.5 (1)	33.0	
		eL	20 55 10	LR	22	47.3 (1)		
		eL	20 55 10	LT	22	11.1 (2)		
							AVG.	4.75
29	21 44 17.1		51.4 N 178.6 E ANDREANOF ALEUTIAN IS.					
			H =060 KM MAG 6.00- PAS					
29	MV	eP	21 52 11.6	Z	0.6	2.7 (0)	43.0	4.15
		eP	21 52 12	LZ	8	34.5 (4)		
		e	21 52 14	Z	1.0	86.3 (0)		
		eS	21 58 36	LT	17	46.6 (2)		
		eLQ	22 01 55	LT	34	99.9 (9)		
		eLR	22 04 30	LZ	999.9	99.9 (9)		
29	MN	eP	21 52 30	LZ	10	71.5 (4)	45.0	
		eS	21 59 12	LT	15	99.9 (9)		
29	TF	eP	21 52 39.8	Z	0.9	22.7 (0)	46.0	5.08

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	21 52 40	LZ	12	16.7 (2)		
		eS	21 59 22	LR	20	74.9 (2)		
		eS	21 59 22	LT	20	60.5 (2)		
		eSS	22 02 50	LR	22	60.6 (2)		
		eLQ	22 04 00	LR	27	91.8 (2)		
		eLR	22 05 45	LZ	25	16.0 (3)		
		eL	22 07 25	LR	20	92.8 (2)		
		eL	22 07 25	LT	20	70.0 (2)		
29	FM	eP	21 52 54.9	Z	0.9	19.9 (0)	48.0	5.06
		eP	21 52 55	LZ	10	52.5 (4)		
		e	21 52 58	Z	1.0	12.9 (1)		
		eS	21 59 56	R	4.0	19.1 (2)		
		eS	21 59 58	T	3.0	39.5 (1)		
		eS	21 59 58	LT	18	99.9 (9)		
		eSCS	22 02 45	LT	18	24.3 (2)		
		eL	22 05 55	LT	23	41.1 (2)		
29	CP	eP	21 53 06.6	Z	0.7	2.8 (0)	50.0	4.30
		eP	21 53 07	LZ	11	16.2 (2)		
		e	21 53 10	Z	0.9	24.2 (0)		
		eS	22 00 19	LT	25	83.9 (2)		
		eSS	22 03 37	LT	18	64.5 (2)		
		eL	22 07 40	LZ	25	99.9 (9)		
29	LC	eP	21 53 53.6	Z	0.8	5.1 (0)	56.0	4.61
		eP	21 53 54	LZ	11	14.9 (2)		
		eS	22 01 46	LT	22	42.5 (2)		
		eS	22 01 46	LR	18	30.6 (2)		
		eSCS	22 03 43	LT	20	23.8 (2)		
		eSS	22 05 44	LR	27	59.6 (2)		
		eL	22 08 34	LT	35	99.9 (9)		
29	NG	eP	21 54 03.6	Z	0.7	7.4 (0)	58.0	4.82
		eP	21 54 05	LZ	15	14.7 (2)		
		e	21 55 25	Z	1.1	55.5 (0)		
		ePP	21 56 22	LZ	18	89.1 (1)		
		e	21 58 04	Z	1.0	13.0 (1)		
		eS	22 01 55	LR	20	60.0 (2)		
		eS	22 01 55	LT	12	55.9 (1)		
		eSCS	22 03 50	LR	20	33.8 (2)		
		eL	22 10 20	LR	40	99.9 (9)		
29	SJ	eP	21 54 52.7	Z	0.8	25.1 (0)	65.0	5.31
		eP	21 54 54	LZ	11	44.0 (2)		
		eS	22 03 30	LT	18	99.9 (9)		
		eSCS	22 04 35	LT	20	99.9 (9)		
							AVG.	4.76

30 00 36 03.0 51.3 N 178.5 E ANDREANOF ALEUTIAN IS.
H =066 KM MAG 4.60- CGS

30	WI	eP	00 44 06.5	Z	1.0	4.5 (0)	44.0	4.16
30	MN	eP	00 44 16.2	Z	1.0	3.3 (0)	45.0	4.09

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.12

30 00 58 18.3 00.7 S 129.0 E HALMAHERA REGION
H =033 KM MAG 5.60- PAS

30	WI	ePD	01 12 49.2	Z	1.1	4.2 (0)	108.0	
		eP'	01 16 53	Z	0.9	3.5 (0)		
		ePP	01 17 16	Z	1.3	11.0 (0)		
		ePP	01 17 16	LZ	20	53.9 (1)		
		ePKKP	01 28 15	Z	1.1	8.4 (0)		
		e	01 32 13	Z	1.8	32.6 (0)		
		eL	01 47 53	LZ	999.9	99.9 (9)		
		eL	01 51 50	Z	18.0	6.8 (0)		
30	MN	ePD	01 12 55.4	Z	1.2	5.1 (0)	108.0	
		eP'	01 16 54	Z	0.9	2.5 (0)		
		eSKS	01 23 25	R	2.7	52.3 (0)		
30	CP	eP'	01 17 00.2	Z	1.0	7.1 (0)	111.0	
		ePP	01 17 47	Z	1.9	55.7 (0)		
		eLR	01 49 05	LZ	999.9	99.9 (9)		
30	MV	ePP	01 17 05	LZ	17	26.2 (1)	106.0	
		eSKKS	01 23 58	LR	13	13.6 (2)		
		eS	01 24 22	LR	20	18.4 (2)		
		eS	01 24 22	LT	17	10.2 (2)		
		ePS	01 26 07	LR	20	24.0 (2)		
		eSS	01 31 38	LT	27	37.5 (2)		
		eSSS	01 35 44	LR	25	32.1 (2)		
		eLQ	01 42 43	LT	31	99.9 (9)		
		eLR	01 46 13	LZ	33	99.9 (9)		
30	LC	eP'	01 17 08.2	Z	1.0	2.5 (0)	119.0	
		e	01 17 14	Z	1.0	15.0 (0)		
		ePP	01 18 28	LZ	20	57.4 (1)		
		ePPP	01 21 08	LZ	18	70.1 (1)		
		eSKKS	01 25 35	LR	17	10.7 (2)		
		ePKKP	01 27 31	Z	1.5	14.7 (0)		
		ePS	01 28 03	LR	22	99.9 (9)		
		eSS	01 34 18	LR	999.9	99.9 (9)		
		eLR	01 53 01	LZ	999.9	99.9 (9)		
30	NG	eP'	01 17 24.1	Z	1.0	90.0 (0)	125.0	
		ePP	01 19 12	LZ	22	47.3 (1)		
		eSS	01 36 14	LR	22	28.2 (2)		
		e	01 36 53	LT	36	99.9 (9)		
		eSSS	01 40 35	LR	28	45.9 (2)		
		eLQ	01 51 11	LR	52	99.9 (9)		
		eLR	01 57 50	LZ	39	99.9 (9)		
30	SJ	eP'	01 17 32.0	Z	1.0	70.0 (0)	127.0	
		ePP	01 19 50	LZ	13	12.4 (2)		
		ePPP	01 22 05	LZ	14	32.3 (2)		
		eSKS	01 24 20	LR	16	16.5 (2)		
		eSKKS	01 26 12	LR	23	19.3 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSP	01 29 40	LZ	15	20.0 (2)		
		eSS	01 36 40	LR	29	99.9 (9)		
		eLR	01 58 10	LZ	999.9	99.9 (9)		
30	FM	ePP	01 18 14	LZ	20	45.3 (1)	112.0	
		e	01 25 00	LZ	15	71.4 (1)		
		e	01 25 30	LT	18	12.2 (2)		
		eSP	01 27 07	LZ	26	16.6 (2)		
		e	01 27 20	LT	25	99.9 (9)		
		ePPS	01 28 56	LT	18	99.9 (9)		
		eSS	01 33 59	LT	30	99.9 (9)		
		eLR	01 50 10	LZ	999.9	99.9 (9)		
30	MN	eP	01 07 30.4	Z	0.3	3.2 (0)	0.5	
		eS	01 07 38	R	0.4	14.7 (0)		
30	MN	eP	02 34 19.3	Z	0.5	0.9 (0)	5.0	
30	02 34 53.3		07.3 N 126.5 E	NEAR MINDANAO, P. ISLANDS				
			H =034 KM MAG 4.50- CGS					
30	MN	eS	02 35 20	R	0.5	1.8 (0)	5.0	
30	03 18 52.1		51.4 N 179.1 E	RAT ALEUTIAN ISLANDS				
			H =050 KM MAG 4.50- CGS					
30	WI	eP	03 26 54.8	Z	1.0	5.7 (0)	44.0	4.25
30	MN	eP	03 27 05.0	Z	0.8	1.9 (0)	45.0	3.99
30	LC	eP	03 28 29.2	Z	0.7	1.2 (0)	56.0	4.04
							AVG.	4.09
30	03 26 04.2		51.2 N 178.6 E	RAT ALEUTIAN ISLANDS				
			H =050 KM MAG 4.90- CGS					
30	MV	eP	03 34 00.0	Z	0.7	4.0 (0)	43.0	4.26
		epP	03 34 12	Z	0.7	12.9 (0)		
30	WI	eP	03 34 08.2	Z	1.0	20.5 (0)	44.0	4.81
		epP	03 34 22	Z	1.1	36.7 (0)		
30	MN	eP	03 34 18.5	Z	1.0	9.1 (0)	45.0	4.56
		epP	03 34 32	Z	1.1	31.8 (0)		
30	TF	eP	03 34 23.8	Z	1.1	13.7 (0)	46.0	4.79
30	FM	eP	03 34 44.0	Z	1.0	22.0 (0)	48.0	5.09
		epP	03 34 57	Z	1.0	27.6 (0)		
30	CP	eP	03 34 56.1	Z	999.9	99.9 (9)	50.0	

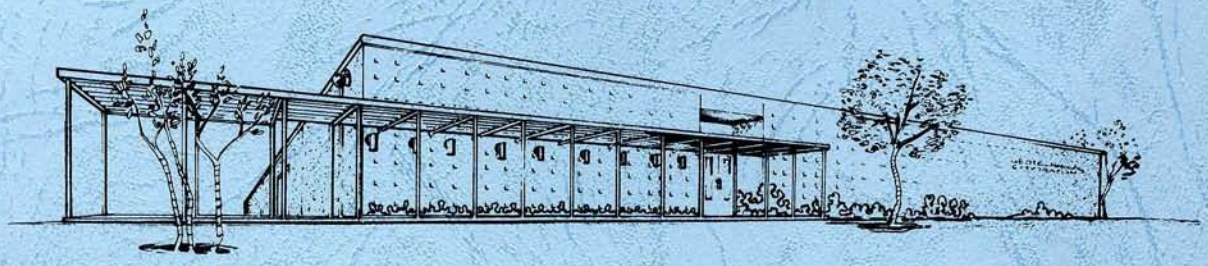
DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	03 35 08	Z	0.8	7.6 (0)		
30	LC	eP	03 35 41.7	Z	1.1	13.8 (0)	56.0	4.90
		epP	03 35 55	Z	1.0	20.0 (0)		
30	SJ	eP	03 36 41.4	Z	1.0	35.0 (0)	65.0	5.39
		epP	03 36 54	Z	1.1	86.4 (0)		
							AVG.	4.83
30	05 20 48.0		39.9 N 020.9 E	ALBANIA GREECE BORDER				
			H =033 KM					
30	LC	eP	06 15 37.9	Z	0.9	9.6 (0)		
30	CP	eP	06 16 31.0	Z	0.9	3.3 (0)		
30	MN	eP	06 17 21.8	Z	0.8	1.9 (0)		
30	MN	e	06 17 31	Z	1.2	7.6 (0)		
30	WI	eP	06 17 39.3	Z	0.8	2.7 (0)		
30	LC	eL	06 22 13	LZ	8	26.4 (4)		
30	FM	eL	06 25 00	LR	17	10.4 (2)		
30	07 07 55.9		51.6 N 178.4 E	RAT ALEUTIAN ISLANDS				
			H =064 KM MAG 5.10- CGS					
30	MV	eP	07 15 50.5	Z	0.7	8.9 (0)	43.0	4.60
		eLQ	07 25 47	LT	36	16.8 (2)		
		eLR	07 28 25	LZ	24	41.5 (2)		
30	WI	eP	07 15 58.1	Z	1.2	45.7 (0)	44.0	5.08
		eSCP	07 21 39	Z	1.0	3.4 (0)		
		eS	07 22 23	LT	17	38.9 (1)		
		eSCS	07 25 58	LR	20	85.5 (1)		
		eLQ	07 27 21	LR	25	10.3 (2)		
		eLR	07 29 07	LZ	22	12.0 (2)		
		eL	07 34 57	LZ	16	16.9 (2)		
		eL	07 34 57	LR	17	11.6 (2)		
		eL	07 34 57	LT	17	12.9 (2)		
30	MN	eP	07 16 08.4	Z	0.9	12.7 (0)	45.0	4.72
		epP	07 16 22	Z	0.9	16.6 (0)		
		eSCP	07 21 44	Z	1.0	1.6 (0)		
30	TF	eP	07 16 15.8	Z	0.9	11.3 (0)	46.0	4.77
30	FM	eP	07 16 33.3	Z	1.3	90.3 (0)	48.0	5.54
		epP	07 16 47	Z	1.2	42.4 (0)		
		e	07 23 34	LR	18	39.9 (1)		
		eSCS	07 26 30	LR	18	21.9 (1)		
		e	07 27 20	LT	20	58.6 (1)		
		eL	07 29 12	LR	30	90.7 (1)		
30	CP	eP	07 16 45.2	Z	0.7	4.2 (0)	50.0	4.48
		eLR	07 31 35	LZ	22	10.6 (2)		
30	LC	eP	07 17 31.9	Z	1.2	38.4 (0)	56.0	5.30
		epP	07 17 45	Z	1.3	60.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	07 33 06	LT	32	11.4 (2)		
		eLR	07 36 18	LZ	22	57.1 (1)		
		eL	07 39 18	LZ	22	69.0 (1)		
		eL	07 39 18	LR	20	71.9 (1)		
		eL	07 39 18	LT	18	31.8 (1)		
30	NG	eP	07 17 42.0	Z	0.5	26.4 (0)	58.0	5.52
		eS	07 25 45	LR	20	31.8 (1)		
		eSCS	07 27 35	LR	15	54.6 (1)		
		eLQ	07 33 50	LR	45	10.8 (2)		
		eLR	07 37 55	LZ	31	11.2 (2)		
30	SJ	eP	07 18 30.5	Z	1.0	70.0 (0)	65.0	5.65
		epP	07 18 44	Z	1.0	96.3 (0)		
		eL	07 37 35	LT	30	17.1 (2)		
							AVG.	5.07
30	08 26 22.7		17.1 S 175.1 W	TONGA ISLANDS				
			H =219 KM MAG	4.90-	CGS			
30	MN	eP	08 37 52.1	Z	0.8	3.9 (0)	77.0	4.19
30	WI	eP	08 38 03.3	Z	0.6	1.9 (0)	79.0	4.02
							AVG.	4.10
30	10 20 54.*		10.6 N 094.4 E	ANDAMAN ISLANDS REGION				
			H =033 KM					
30	MN	eP	10 23 30.8	Z	999.9	99.9 (9)		
30	11 03 59.6		15.2 N 093.0 W	CHIAPAS, MEXICO				
			H =033 KM MAG	4.30-	CGS			
30	LC	eP	11 08 43.4	Z	0.7	3.1 (0)	21.0	3.74
30	MN	eP	11 10 24.6	Z	0.8	2.4 (0)	32.0	4.12
30	WI	eP	11 10 38.3	Z	0.8	8.1 (0)	34.0	4.67
		eL	11 15 12	LZ	35	43.2 (1)		
							AVG.	4.18
30	LC	eP	16 54 43.1	Z	0.5	2.3 (0)	2.8	
		eS	16 55 18	R	0.6	11.5 (0)		
30	18 43 14.0		08.2 S 079.9 W	NEAR COAST OF PERU				
			H =060 KM MAG	4.80-	CGS			
30	23 50 26.9		22.2 S 066.9 W	SOUTHERN BOLIVIA				
			H =095 KM MAG	4.70-	CGS			

Bulletin No. 17
May 1963

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No:	VT/074
ARPA Order No:	104-60
ARPA Code No:	8100
Contractor:	The Geotechnical Corporation Garland, Texas
Contract No:	AF 33(600)-41694

Bulletin No. 17
May 1963

September 1963

CONTENTS

ILLUSTRATIONS

TABLES

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at ten of the forty mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/074, Contract AF 33(600)-41694, The Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the forty teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM sites consists of a three-component Benioff short-period seismograph system and a three-component Sprengnether long-period system. Both systems use phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2. Figure 3 shows the response characteristics of the long-period system after the band-pass filters were changed to decrease the relative magnification of its short-period response. All bulletin stations made this change effective 14 May 1963.

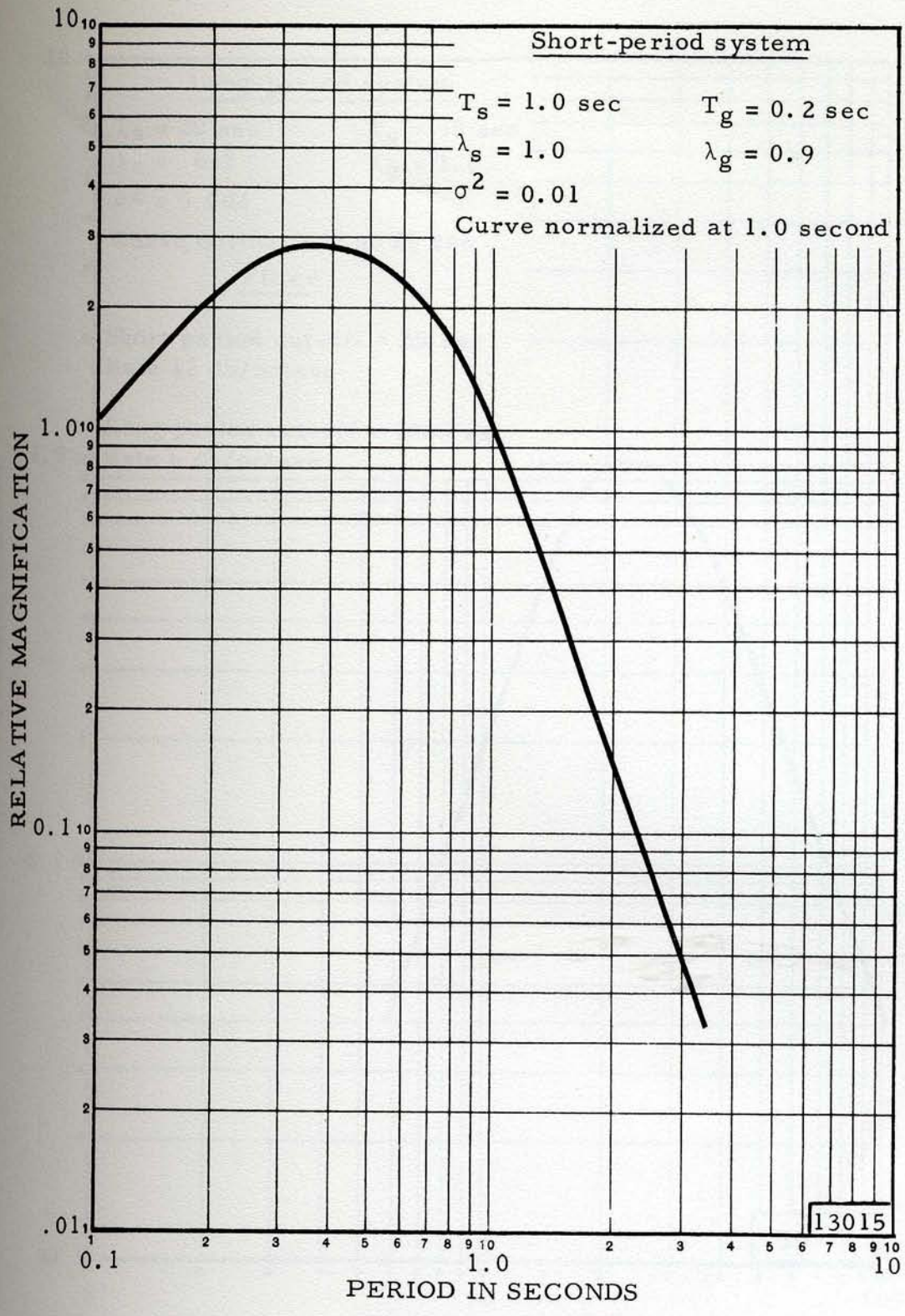


Figure 1. Frequency response of the short-period seismograph system

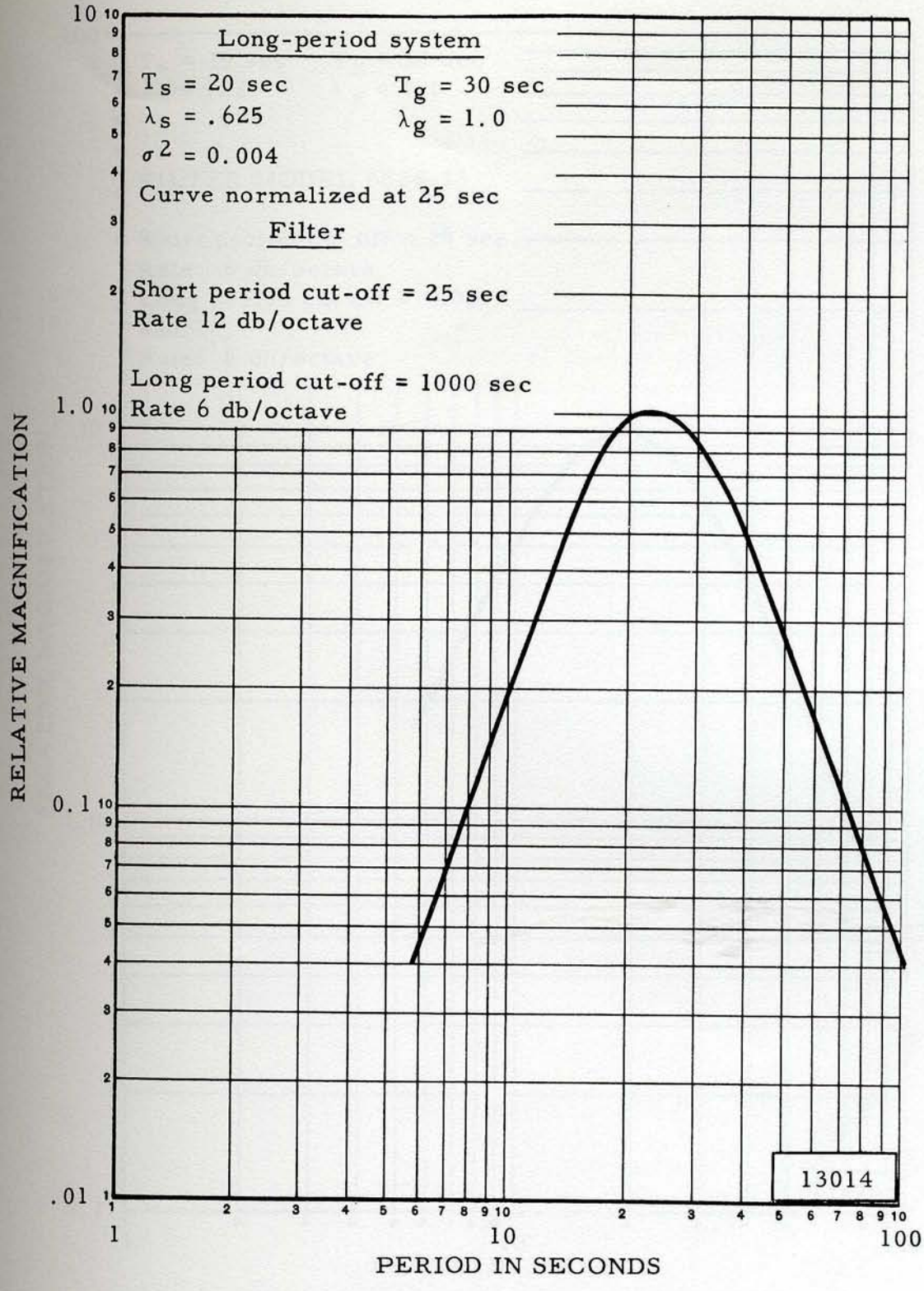


Figure 2. Frequency response of the long-period seismograph system with short-period response decreasing at 12 db/octave

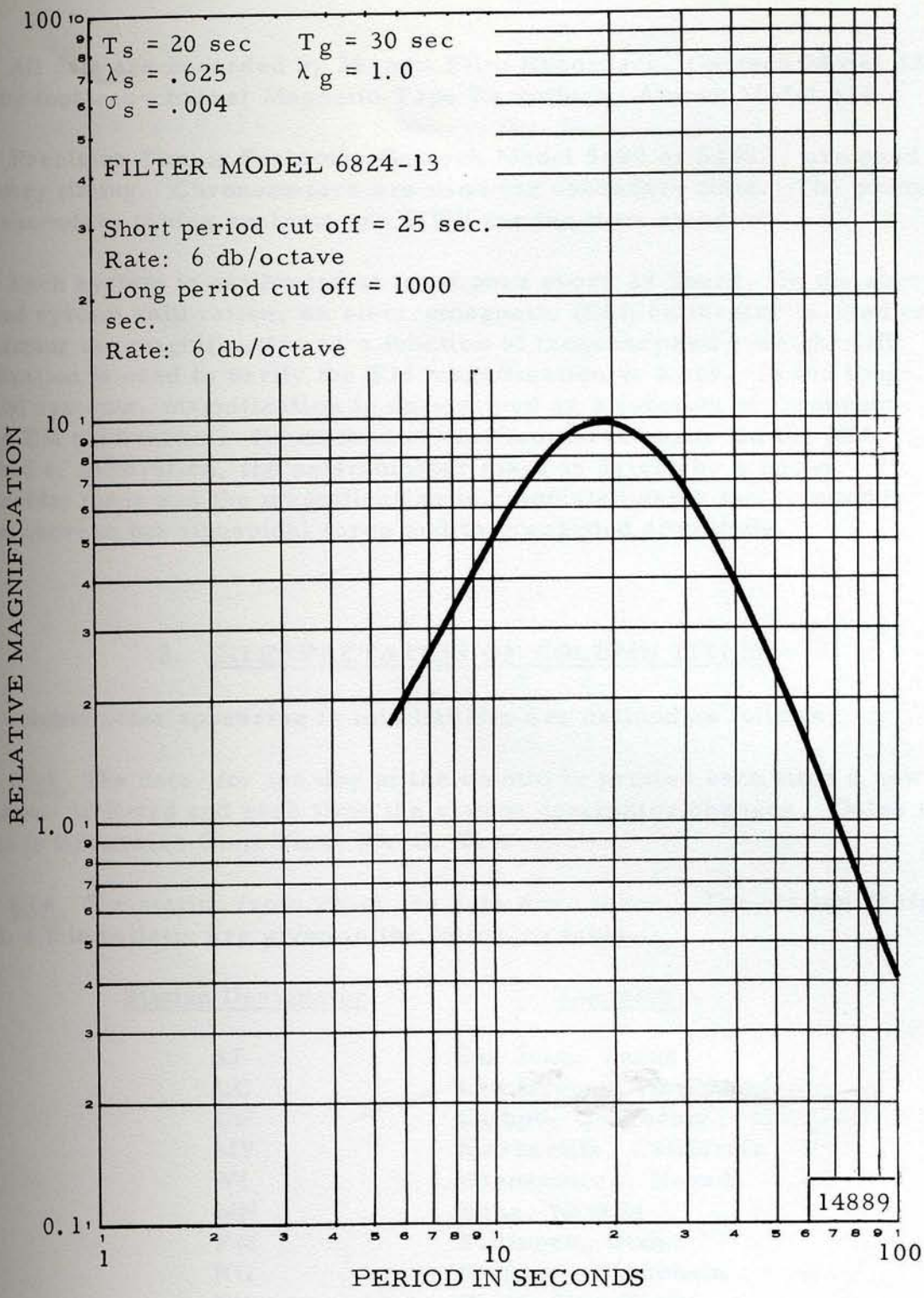


Figure 3. Frequency response of the long-period seismograph system with short-period response decreasing at 18 db/octave (effective 14 May 1963)

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by fourteen-channel Magnetic Tape Recorders, Ampex Model 314.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G. C. T.).

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table.

Station Designator	Location
SJ	San Jose, Texas
LC	Las Cruces, New Mexico
CP	Campo, California
MV	Marysville, California
WI	Winnemucca, Nevada
MN	Mina, Nevada
FM	Fillmore, Utah
NG	Niagara, Wisconsin
DH	Delhi, New York
TF	Taft, California

The locations of the stations are shown in figure 4.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (G. C. T.). Arrival times indicate that time at which phase motion is first detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given in the following table:

Z	Short-Period Vertical
R*	Short-Period Radial (horizontal)
T*	Short-Period Transverse (horizontal)
LZ	Long-Period Vertical
LR*	Long-Period Radial (horizontal)
LT*	Long-Period Transverse (horizontal)

* Refer to table 1 for Instrument Orientation.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

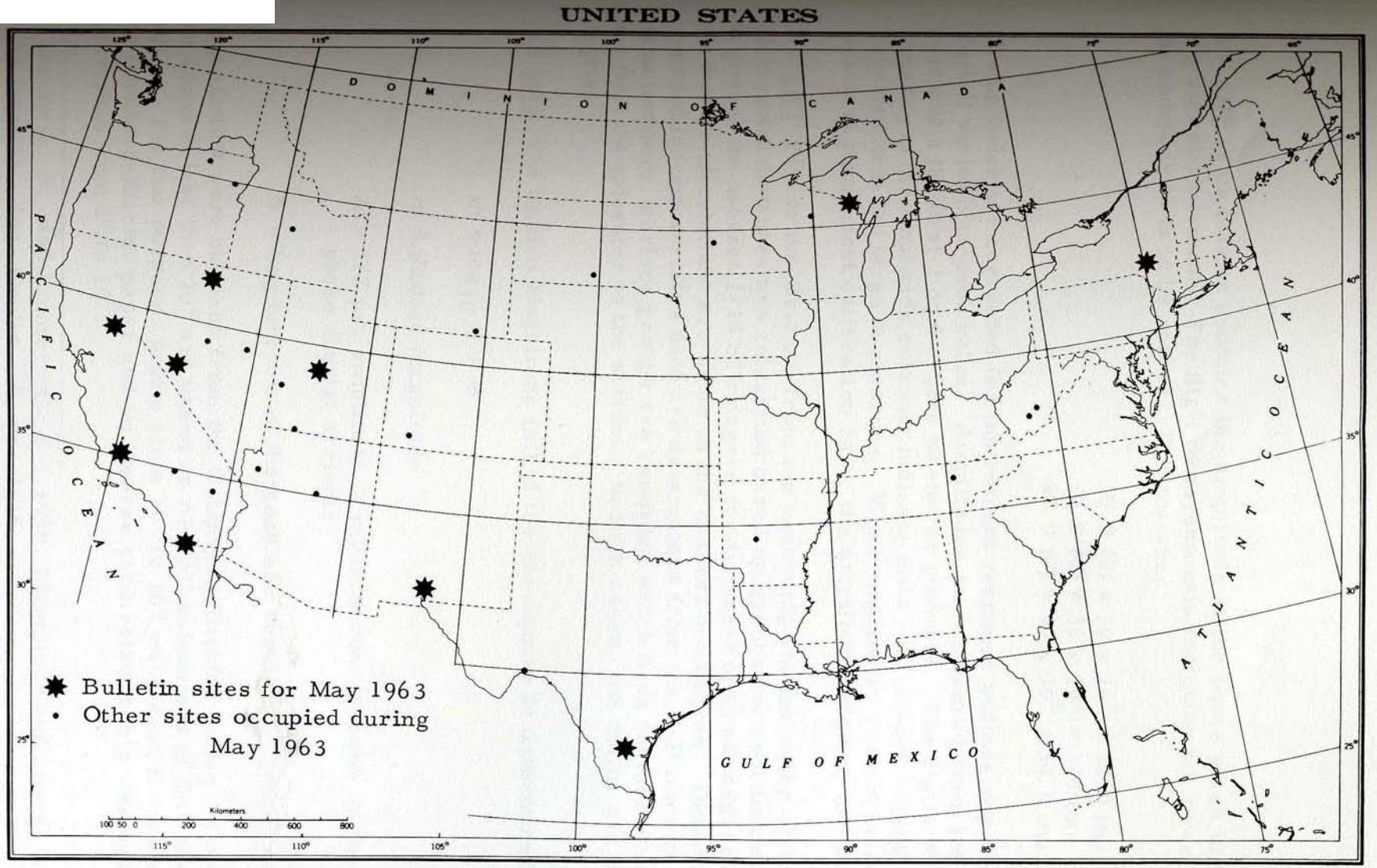


Figure 4. LRSM Program Sites

3.7 AMP This column contains the amplitude of the phase given in millimicrons of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$$30.0\ (2) = 30 \times 10^{2} = 3000\ m\mu$$
$$30.0\ (1) = 30 \times 10^{1} = 300\ m\mu$$
$$30.0\ (0) = 30 \times 10^{0} = 30.0\ m\mu$$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9(9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

3.8 DIST This is the distance from the recording station to the epicenter. All reported distances are calculated based on geocentric coordinates. Distance is given to the nearest 1/10 of a degree for distances up to six degrees. Beyond six degrees calculations are made to the nearest one degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases, the major arc distance is given.

3.9 MAG The Unified Magnitude (m) of the earthquake is determined by:

$$m = \log_{10} A + B$$

where:

m = Unified magnitude

A = 1/2 p-p amplitude in millimicrons/second of the "P" phase (initial arrival)

B = Log function of distance and depth

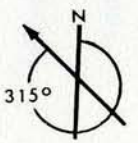
These factors were obtained from the Gutenberg-Richter tables. Computations for distances less than 16° are based on AFTAC extensions of Gutenberg's tables.[1] For this purpose, points from 10° to 16° were read from a curve in the Gutenberg-Richter paper and an inverse cube relationship was used to extrapolate from 2° to 10°.

[1] Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Ann. Geofis., 9, pp. 1-15

Table 1. LRSM site information

Site designation	Site location	Horizontal seismometer orientation, azimuth from True North in degrees*		Site coordinates in deg, min, sec				Elevation km	Rock type
		Radial	Transverse						
SJ TX	San Jose, Texas	127	217	N	27	36	43	0.114	Limestone
				W	98	18	46		
LC NM	Las Cruces, New Mexico	124	214	N	32	24	08	1.585	Limestone
				W	106	35	58		
CP CL	Campo, California	182	272	N	32	43	44	1.189	Granite
				W	116	22	16		
MV CL	Marysville, California	295	025	N	39	12	47	0.183	Volcanics
				W	121	17	35		
WI NV	Winnemucca, Nevada	346	076	N	41	21	02	1.524	Limestone
				W	117	27	30		
MN NV	Mina, Nevada	308	038	N	38	26	10	1.524	Limestone
				W	118	08	53		
FM UT	Fillmore, Utah	058	148	N	39	13	06	1.890	Limestone
				W	112	12	25		
NG WS	Niagara, Wisconsin	078	168	N	45	45	27	0.396	Granite
				W	88	08	57		
DH NY	Delhi, New York	095	185	N	42	14	39	0.652	Sandstone
				W	74	53	18		
TF CL	Taft, California	235	325	N	35	09	49	0.792	Sandstone
				W	119	58	03		

*When earth moves in direction shown, trace moves up.



The average magnitude (sum of the station magnitudes/number of stations) is listed on the line following the last line of the phase association print-out.

When possible, magnitudes (m) are computed for foreshocks and aftershocks as well as for the main event.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

The notation AS located between these columns calls attention to an aftershock recorded following the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

Line 1 (from left to right)

First group:	day of the month
Second group:	origin time of the event
Third group:	geographic coordinates of the epicenter
Fourth group:	geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to 1/2° in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group:	depth (h) of the hypocenter in kilometers
Second group:	magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), or Palisades (PAL)

NOTE

MAG. (CGS) is m_b of Gutenberg and Richter from the P phase only. The Magnitude quoted is an average value determined from data forwarded by cooperating Standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC/TD-1)
Attn: Major N. G. Maddox
Washington 25, D. C.

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	01 05 17.7		52.4 N 174.5 W	ANDREANOF ALEUTIAN ISLANDS				
			H =078 KM MAG	5.20-		CGS		
1	WI	eP	01 12 43.5	Z	0.8	99.9 (9)	40.0	
1	MN	eP	01 12 54.1	Z	0.9	30.5 (0)	41.0	5.10
1	TF	eP	01 13 02.2	Z	0.5	25.3 (0)	42.0	5.28
1	FM	eP	01 13 19.7	Z	0.7	23.2 (0)	44.0	5.02
1	CP	eP	01 13 32.5	Z	0.7	21.3 (0)	46.0	5.12
1	LC	eP	01 14 20.5	Z	0.7	30.0 (0)	52.0	5.41
1	NG	eP	01 14 33.5	Z	0.5	26.6 (0)	54.0	5.52
1	SJ	eP	01 15 21.2	Z	0.7	69.8 (0)	60.0	5.87
							AVG.	5.33
1	WI	eP	07 59 22	Z	0.5	2.8 (0)		
1	10 03 20.0		19.0 S 169.0 E	NEW HEBRIDES ISLANDS				
			H =140 KM MAG	6.20-		CGS		
1	TF	eP	10 15 47.5	Z	1.0	19.2 (0)	86.0	4.94
		eP	10 15 48	LZ	17	57.7 (2)		
		epP	10 16 25	LZ	17	57.7 (2)		
		ePP	10 19 10	LZ	20	24.0 (2)		
		epPP	10 20 00	LZ	15	45.7 (2)		
		eS	10 26 08	LT	25	10.4 (3)		
		eS	10 26 08	LR	17	70.0 (2)		
		esS	10 27 10	LT	23	14.0 (3)		
		eSS	10 31 55	LT	22	69.2 (2)		
		esSS	10 32 55	LT	20	11.2 (3)		
		eSSS	10 35 15	LT	22	39.4 (2)		
		esSSS	10 36 10	LT	25	77.8 (2)		
		eLQ	10 38 20	LT	25	87.7 (2)		
		eLR	10 47 45	LZ	18	76.2 (2)		
		eL	10 52 25	LZ	17	13.5 (3)		
		eL	10 52 25	LR	17	96.6 (2)		
		eL	10 52 25	LT	17	24.8 (2)		
1	MV	eP	10 15 51.5	Z	999.9	99.9 (9)	87.0	
		eP	10 15 52	LZ	17	41.6 (2)		
		epP	10 16 22	LZ	20	38.5 (2)		
		ePP	10 19 10	LZ	15	19.8 (2)		
		epPP	10 19 50	LZ	24	35.7 (2)		
		epPP	10 19 55	Z	2.0	22.5 (1)		
		ePPP	10 21 15	LZ	15	19.8 (2)		
		esS	10 27 15	LT	18	59.8 (2)		
		eSS	10 32 10	LT	18	37.0 (2)		
		esSS	10 33 00	LT	999.9	99.9 (9)		
		eLQ	10 38 55	LT	22	56.0 (2)		
1	CP	eP	10 15 55.5	Z	1.0	68.7 (0)	88.0	5.55

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		eP	10 15 57	LZ	15	52.9	(2)		
		epP	10 16 33	Z	1.5	20.2	(1)		
		epP	10 16 36	LZ	20	46.9	(2)		
		epPP	10 20 12	LZ	20	40.5	(2)		
		e	10 26 15	LT	18	34.0	(2)		
		e	10 28 36	Z	7.0	61.3	(2)		
		eSS	10 31 55	LT	24	57.5	(2)		
		e	10 40 10	LT	32	12.5	(3)		
		eL	10 43 30	LT	35	18.1	(3)		
		eL	10 52 05	LT	16	61.1	(2)		
		eL	10 52 05	LZ	16	16.0	(3)		
1	MN	eP	10 16 00.2	Z	999.9	99.9	(9)	89.0	
		eP	10 16 01	LZ	18	99.9	(9)		
		epPP	10 20 09	Z	1.9	18.8	(1)		
		epPP	10 20 12	LZ	999.9	99.9	(9)		
		ePPP	10 21 55	Z	4.0	74.5	(1)		
		e	10 26 18	T	2.0	39.8	(0)		
		esS	10 27 23	T	3.0	17.7	(1)		
		ePS	10 27 47	T	5.0	16.9	(2)		
		esSP	10 28 47	Z	4.5	13.2	(2)		
		eP'P'	10 41 45	Z	1.2	10.4	(0)		
		eP'P'	10 42 25	Z	2.0	48.4	(0)		
1	WI	eP	10 16 09.0	Z	999.9	99.9	(9)	91.0	
		eP	10 16 09	LZ	18	33.8	(2)		
		epPP	10 20 15	LZ	18	40.0	(2)		
		e	10 20 35	LR	999.9	99.9	(9)		
		e	10 26 33	R	2.0	56.4	(0)		
		esS	10 28 03	T	5.0	20.4	(2)		
		e	10 29 05	Z	6.5	45.1	(2)		
		eP'P'	10 41 42	Z	1.5	18.2	(0)		
1	FM	eP	10 16 21.7	Z	1.0	46.7	(0)	93.0	5.69
		eP	10 16 22	LZ	18	21.3	(2)		
		epP	10 16 59	Z	1.5	94.5	(0)		
		epP	10 17 02	LZ	20	24.4	(2)		
		ePP	10 20 00	LZ	18	15.5	(2)		
		epPP	10 20 45	Z	2.0	12.7	(1)		
		epPP	10 20 52	LZ	22	28.6	(2)		
		e	10 21 11	R	1.8	77.3	(0)		
		eSKS	10 26 47	LT	25	99.9	(9)		
		e	10 28 28	T	6.5	29.1	(2)		
		e	10 42 20	Z	3.5	48.7	(1)		
1	LC	eP	10 16 30.5	Z	0.8	32.3	(0)	95.0	5.72
		eP	10 16 34	LZ	18	24.5	(2)		
		epP	10 17 12	Z	1.7	23.9	(1)		
		epP	10 17 12	LZ	20	26.5	(2)		
		e	10 19 31	Z	1.0	20.1	(0)		
		epPP	10 21 17	LZ	22	46.2	(2)		
		eSKS	10 26 47	LR	18	22.4	(2)		
		eS	10 26 47	LT	25	99.9	(9)		
		eSKS	10 26 52	R	3.5	21.2	(1)		
		eS	10 27 47	LR	25	99.9	(9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		esS	10 28 04	R	3.0	13.2	(1)		
		e	10 29 46	R	4.0	45.9	(1)		
		eP'P'	10 41 41	Z	1.2	6.6	(0)		
		eP'P'	10 42 18	Z	2.5	12.5	(1)		
1	SJ	eP	10 16 58.5	Z	1.4	12.5	(1)	101.0	6.31
		eP	10 16 59	LZ	14	36.7	(2)		
		epP	10 17 37	LZ	17	24.9	(2)		
		e	10 20 30	LZ	14	37.9	(2)		
		ePP	10 21 15	LZ	15	46.2	(2)		
		eLR	10 54 15	LZ	22	86.1	(2)		
1	NG	ePD	10 17 45	LZ	20	70.8	(1)	112.0	
		e	10 18 10	LZ	20	59.0	(1)		
		eP'	10 21 40	Z	0.7	12.5	(0)		
		ePP	10 22 25	LZ	22	79.5	(1)		
		eSKS	10 28 08	LR	22	97.3	(1)		
		eSKKS	10 29 10	LT	27	43.4	(2)		
		e	10 31 00	LT	22	44.1	(2)		
		ePKKP	10 32 43	Z	1.2	46.6	(0)		
								AVG.	5.64

1	SJ	eLQ	12 05 45	LZ	999.9	99.9	(9)		
1	LC	eL	12 11 57	LZ	30	27.7	(2)		
1	FM	eLQ	12 13 50	LR	25	11.0	(2)		
1	MV	eL	12 15 10	LZ	30	20.8	(2)		
1	TF	eLQ	12 16 38	LR	30	12.2	(2)		
1	CP	eL	12 19 27	LZ	27	21.0	(2)		
1	SJ	eLR	12 20 10	LZ	22	24.4	(2)		
1	WI	eL	12 20 32	LZ	22	12.6	(2)		
1	FM	eL	12 21 42	LZ	25	23.1	(2)		
1	FM	eL	12 21 42	LT	18	12.7	(2)		
1	FM	eLR	12 23 10	LZ	20	12.8	(2)		
1	MV	eLR	12 25 25	LZ	18	10.0	(2)		
1	FM	eL	12 26 42	LR	23	26.5	(2)		
1	MV	eL	12 30 04	LR	22	17.2	(2)		
1	MV	eL	12 30 04	LZ	22	16.2	(2)		
1	MV	eL	12 30 04	LT	22	75.5	(1)		
1	MN	eL	12 30 22	LT	22	26.6	(2)		
1	MN	eL	12 30 22	LR	20	15.2	(2)		
1	MN	eL	12 30 22	LZ	21	18.8	(2)		
1	WI	eL	12 30 32	LR	20	23.7	(2)		
1	WI	eL	12 30 32	LZ	20	31.5	(2)		
1	WI	eL	12 30 32	LT	22	49.7	(1)		
1	LC	eL	12 31 05	LR	20	13.5	(2)		
1	LC	eL	12 31 05	LT	20	95.9	(1)		
1	LC	eL	12 31 05	LZ	20	14.0	(2)		
1	TF	eLR	12 31 35	LZ	20	27.5	(2)		
1	MN	eLR	12 31 47	LZ	23	51.7	(2)		
1	TF	eL	12 32 10	LR	20	29.0	(2)		
1	TF	eL	12 32 10	LZ	20	25.7	(2)		
1	TF	eL	12 32 10	LT	20	17.2	(2)		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
1			16 38 43.4	13.3 N 91.8 W GUATEMALA H =070 KM MAG 4.20- CGS					
1	LC	eP	16 43 49.0		Z	0.5	1.6 (0)	23.0	3.67
1	WI	eP	16 45 38.6		Z	0.8	3.6 (0)	36.0	4.33
							AVG.		4.00
1			16 45 04.1	19.0 S 169.3 E NEW HEBRIDES ISLANDS H =130 KM					
1			19 52 22.0	38.4 N 75.4 E SINKIANG PROV., CHINA H =145 KM MAG 4.30- CGS					
1	LC	eP	21 44 47.2		Z	0.3	22.5 (0)	1.5	
		eS	21 45 07		T	0.5	29.2 (0)		
2			01 09 21.7	36.7 N 89.4 W S E MISSOURI H =018 KM					
2			01 58 25.1	28.5 N 54.8 E SOUTHERN IRAN H =045 KM MAG 5.80- CGS					
2			09 19 22.*	24.6 S 178.4 W FIJI ISLANDS REGION H =033 KM MAG 5.60- CGS					
2			13 05 28.*	06.5 N 72.7 W COLOMBIA H =202 KM					
2	LC	eP	13 12 49.9		Z	0.8	4.4 (0)	41.0	4.04
2	LC	eP	19 30 38.9		Z	0.3	1.7 (0)	2.5	
		e	19 30 43		Z	0.4	2.1 (0)		
		eS	19 31 15		T	0.4	3.4 (0)		
2	LC	eP	21 31 11.4		Z	0.3	6.2 (0)	1.5	
		eS	21 31 31		R	0.4	5.1 (0)		
2			23 13 12.7	63.2 N 148.9 W CENTRAL ALASKA H =081 KM MAG 6.10- CGS					

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
2	MN	eP	23 19 23.5		Z	999.9	99.9 (9)	31.0	
		epP	23 19 44		Z	0.9	1.9 (0)		
3	MN	eP	01 28 24.1		Z	0.4	13.0 (0)	1.1	
		eS	01 28 39		R	0.5	23.2 (0)		
3	MN	eP	01 54 33.7		Z	0.4	13.6 (0)	1.5	
		eS	01 54 53		R	0.4	99.9 (9)		
3			02 14 44.4	37.7 N 118.8 W MONO COUNTY, CALIF. H =015 KM MAG 4.20- PAS					
3	TF	eP	02 15 27.2		Z	0.3	30.2 (0)	2.8	
		eS	02 16 02		T	0.2	99.9 (9)		
3	CP	eP	02 16 12.1		Z	0.3	1.0 (0)	6.4	
		eL	02 17 29		T	0.6	16.5 (0)		
3	TF	eP	08 43 29.0		Z	0.3	34.8 (0)	2.4	
		eS	08 44 00		T	0.3	65.6 (0)		
3			10 44 28.0	30.7 N 51.7 E IRAN H =025 KM MAG 5.30- CGS					
3	LC	eP	10 53 06.6		Z	0.7	1.2 (0)		
3			10 54 43.0	15.0 S 173.3 W TONGA ISLANDS REGION H =033 KM MAG 5.00- CGS					
3	MN	eP	11 06 19.5		Z	1.5	9.6 (0)	74.0	4.54
		eS	11 15 53		LR	16	49.0 (1)		
		eS	11 15 53		LT	16	40.6 (1)		
		ePS	11 16 40		LT	28	76.5 (1)		
		eSS	11 20 40		LR	20	32.0 (1)		
		eLQ	11 25 50		LR	23	95.9 (1)		
		eLR	11 28 35		LZ	30	98.4 (1)		
		eL	11 31 06		LZ	21	10.2 (2)		
		eL	11 31 06		LR	18	26.8 (1)		
		eL	11 31 06		LT	23	88.9 (1)		
3	WI	eP	11 06 30.7		Z	1.3	8.8 (0)	76.0	4.63
3	LC	eP	11 06 48.0		Z	0.7	2.4 (0)	79.0	4.28
		eS	11 16 49		LT	22	43.0 (1)		
		eS	11 16 49		LR	17	34.0 (1)		
		eSS	11 22 14		LT	18	34.1 (1)		
		eLQ	11 28 55		LT	20	30.0 (1)		

			TIME	INST	PER	AMPL	DIST	MAG
		eLR	11 31 08	LZ	24	91.1 (1)		
		eL	11 32 50	LZ	23	10.1 (2)		
		eL	11 32 50	LR	20	50.5 (1)		
		eL	11 32 50	LT	19	68.3 (1)		
3	TF	eS	11 15 26	LR	24	10.1 (2)	71.0	
		eS	11 15 26	LT	18	55.8 (1)		
		eLQ	11 24 13	LT	22	19.0 (2)		
		eLR	11 27 34	LZ	25	91.6 (1)		
3	CP	eS	11 15 30	LR	17	53.2 (1)	72.0	
		eS	11 15 30	LT	13	30.8 (1)		
		ePS	11 16 14	LT	20	74.4 (1)		
		eLQ	11 24 40	LR	25	87.9 (1)		
		eLR	11 27 00	LZ	26	10.9 (2)		
3	FM	eS	11 16 38	LT	17	71.4 (1)	78.0	
		eS	11 16 38	LR	17	25.3 (1)		
		eLQ	11 27 38	LT	20	10.4 (2)		
		eLR	11 31 20	LZ	24	71.8 (1)		
		eL	11 34 25	LZ	21	10.4 (2)		
		eL	11 34 25	LR	20	81.2 (1)		
		eL	11 34 25	LT	15	21.3 (1)		
3	NG	e	11 26 38	LZ	20	18.7 (1)	97.0	
		e	11 32 03	LZ	22	32.3 (1)		
		eLQ	11 37 12	LT	25	10.8 (2)		
		eLR	11 40 55	LZ	32	45.0 (1)		
		eL	11 45 02	LZ	22	87.4 (1)		
		eL	11 45 02	LR	22	51.6 (1)		
		eL	11 45 02	LT	20	20.5 (1)		
3	MV	eLQ	11 27 37	LT	25	10.8 (2)	72.0	
		eLR	11 31 20	LZ	24	10.0 (2)		
		eL	11 34 25	LZ	20	14.3 (2)		
		eL	11 34 25	LR	20	11.2 (2)		
		eL	11 34 25	LT	20	27.8 (1)		
						AVG.		4.48

3	MN	eP	13 59 46.5	Z	0.3	6.4 (0)		

3 16 32 56.0 45.0 N 111.2 W HEBGEN LAKE REG. MONTANA
H =033 KM

3 19 18 14.5 17.6 N 91.8 W CHIAPAS, MEXICO
H =090 KM MAG 4.10- CGS

4	MN	eP	03 58 52.5	Z	0.3	5.9 (0)		
4	MN	eL	03 59 57	R	0.4	9.1 (0)		

4 04 41 18.9 04.7 N 73.8 W COLOMBIA
H =043 KM MAG 4.00- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	MN	eP	04 50 30.0	Z	1.2	5.1 (0)	52.0	4.37

4 05 56 04.1 51.8 N 175.4 W ANDREANOF, ALEUTIAN IS.
H =069 KM MAG 5.50- CGS

4	MV	eP	06 03 25.7	Z	0.3	2.9 (0)	39.0	4.59
		eL	06 12 22	LT	15	44.6 (1)		
4	WI	eP	06 03 35.8	Z	0.9	11.2 (0)	40.0	4.63
		e	06 09 23	Z	0.9	4.3 (0)		
4	MN	eP	06 03 46.4	Z	0.7	2.8 (0)	41.0	4.18
		e	06 03 51	Z	0.8	16.7 (0)		
		eLQ	06 13 30	LT	17	20.5 (1)		
		eLR	06 15 56	LZ	27	44.2 (1)		
4	TF	eP	06 03 52.5	Z	999.9	99.9 (9)	42.0	
4	FM	eP	06 04 12.5	Z	0.8	6.2 (0)	44.0	4.39
		eL	06 18 09	LT	23	53.9 (1)		
4	CP	eP	06 04 24.4	Z	0.8	2.5 (0)	46.0	4.17
		e	06 04 31	Z	0.7	7.2 (0)		
4	NG	eP	06 05 26.0	Z	0.4	5.1 (0)	54.0	4.91
4	SJ	eP	06 06 13.5	Z	1.0	38.1 (0)	61.0	5.41
4	DH	eP	06 06 31.0	Z	1.0	15.5 (1)	64.0	5.98
4	LC	eL	06 18 40	LT	30	67.7 (1)	53.0	
							AVG.	4.78

4 07 38 53.3 24.7 S 66.6 W SALTA PROVINCE, ARGENTINA
H =153 KM MAG 5.00- CGS

4	WI	eP	07 50 52.2	Z	0.8	4.6 (0)	81.0	4.31

4	MN	eP	10 48 44.3	Z	0.3	0.5 (0)	2.5	
		e	10 48 47	Z	0.4	4.3 (0)		
		eS	10 49 17	R	0.4	9.1 (0)		
4	WI	eP	11 49 28.2	Z	0.4	2.7 (0)	4.3	
		eS	11 50 21	R	0.4	5.9 (0)		

4 12 29 43.3 44.3 N 128.7 W OFF COAST OF OREGON
H =033 KM

4	WI	eP	12 31 53.0	Z	0.8	2.6 (0)	9.0	4.32
4	MN	eP	12 32 03.5	Z	999.9	99.9 (9)	10.0	
4	CP	eP	12 33 11.8	Z	1.0	7.2 (0)	15.0	4.06
							AVG.	4.19

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	TF	eP	14 18 00.8	Z	0.3	40.9 (0)	1.5	
4	CP	eP	14 18 17.2	Z	0.4	5.0 (0)	2.8	
4	TF	eS	14 18 20	T	0.4	12.4 (1)	1.5	
4	MN	eP	14 18 46.6	Z	0.3	0.5 (0)	0.5	
4	CP	eS	14 18 52	R	0.4	19.2 (0)	2.8	
4	MN	eS	14 19 44	R	0.5	5.4 (0)	0.5	
4	MN	eP	15 25 03.0	Z	1.3	7.9 (0)		
4	16 19 28.3		13.2 N 90.8 W OFF COAST OF GUATEMALA H =164 KM MAG 5.10- CGS					
4	SJ	eP	16 22 59.6	Z	0.5	10.8 (0)	16.0	4.46
4	DH	eP	16 25 41.7	Z	0.6	21.6 (0)	32.0	4.99
4	MN	eP	16 26 07.1	Z	1.0	19.9 (0)	35.0	4.80
		ePCP	16 28 43	Z	0.8	5.4 (0)		
4	WI	eP	16 26 33.2	Z	0.7	11.2 (0)	36.0	4.71
							AVG.	4.74
4	MN	eP	16 38 20.0	Z	0.3	2.9 (0)	4.0	
		e	16 38 27	Z	0.4	2.2 (0)		
		eS	16 39 09	R	0.5	6.6 (0)		
4	16 42 01.*		55.1 N 160.1 E KAMCHATKA H =033 KM MAG 5.30- CGS					
4	MN	eP	16 51 31.7	Z	0.8	2.4 (0)	55.0	4.28
4	18 24 09.4		54.4 S 144.0 E SOUTH OF AUSTRALIA H =033 KM					
4	19 01 40.8		56.1 S 27.1 W SANDWICH ISLANDS H =033 KM					
4	21 40 39.*		19.0 N 108.9 W JALISCO, MEXICO H =033 KM					
4	LC	eP	21 43 48.7	Z	1.6	12.7 (0)	14.0	4.30
		eL	21 47 00	LR	16	76.0 (1)		
		eL	21 48 11	LZ	14	98.8 (1)		
4	MN	eP	21 45 21.4	Z	0.9	3.1 (0)	21.0	3.65
4	WI	eP	21 45 43.9	Z	0.9	5.2 (0)	23.0	3.99

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	SJ	eL	21 47 36	LT	15	23.1 (2)	13.0	
		eL	21 48 45	LZ	11	19.8 (2)		
4	CP	eL	21 48 15	LZ	23	60.6 (1)	15.0	
							AVG.	3.98
4	22 09 24.*		33.0 N 140.5 E SOUTH OF HONSHU, JAPAN H =169 KM					
4	LC	eP	22 15 47.5	Z	0.8	6.5 (0)		
4	WI	eP	22 17 06.9	Z	0.7	4.4 (0)		
5	03 49 34.*		19.8 S 177.0 W FIJI ISLANDS REGION H =033 KM					
5	11 04 14.6		32.7 N 139.8 E SOUTH OF HONSHU, JAPAN H =132 KM MAG 4.10- CGS					
5	12 44 34.*		14.2 N 91.9 W GUATEMALA H =033 KM MAG 4.30- CGS					
5	LC	eP	12 49 32.9	Z	0.6	7.3 (0)	23.0	4.32
5	MN	eP	12 51 13.2	Z	0.8	4.5 (0)	33.0	4.42
5	WI	eP	12 51 24.0	Z	0.6	6.7 (0)	35.0	4.74
							AVG.	4.49
5	15 17 01.9		24.7 S 69.5 W NORTHERN CHILE H =050 KM MAG 5.10- CGS					
5	LC	eP	15 27 50.8	Z	0.9	11.5 (0)	67.0	4.95
		eP AS	15 28 05.8	Z	1.0	20.0 (0)		5.15
5	DH	eP	15 27 51.5	Z	0.9	55.1 (0)	67.0	5.63
5	NG	eP	15 28 22.6	Z	0.8	17.7 (0)	72.0	5.09
5	FM	eP	15 28 41.0	Z	0.8	8.2 (0)	75.0	4.71
		eP AS	15 28 56.0	Z	1.0	24.4 (0)		5.08
5	TF	eP	15 28 47.5	Z	0.9	12.7 (0)	76.0	4.90
5	MN	eP	15 28 55.0	Z	1.0	6.8 (0)	78.0	4.58
		eP AS	15 29 10.0	Z	1.0	10.2 (0)		4.76
5	WI	eP	15 29 03.8	Z	0.9	21.1 (0)	79.0	5.07
		eP AS	15 29 19.8	Z	1.0	43.4 (0)		5.33
							AS .	5.08
							AVG.	4.99
5	17 11 47.2		17.5 S 173.7 W TONGA ISLANDS REGION H =033 KM MAG 5.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	TF	eP	17 23 16.9	Z	999.9	99.9 (9)	73.0	
5	MN	eP	17 23 34.8	Z	1.0	10.2 (0)	76.0	
		eLR	17 46 50	LZ	28	55.0 (1)		4.81
5	WI	eP	17 23 46.8	Z	1.2	8.8 (0)	78.0	4.66
5	FM	eP	17 23 59.0	Z	999.9	99.9 (9)	80.0	
5	LC	eP	17 24 01.8	Z	1.0	5.0 (0)	81.0	4.43
							AVG.	4.63
6	TF	eP	03 04 59.7	Z	0.3	30.9 (0)	1.8	
6	MV	eP	03 05 10.1	Z	0.3	10.7 (0)	2.4	
6	MN	eP	03 05 20.5	Z	0.3	0.5 (0)	4.0	
		e	03 05 23	Z	0.4	6.2 (0)		
6	TF	eS	03 05 24	T	0.4	88.1 (0)	1.8	
6	MV	eS	03 05 41	R	0.4	25.7 (0)	2.4	
6	CP	eP	03 05 54.1	Z	999.9	99.9 (9)	5.5	
6	WI	eP	03 05 54.5	Z	0.3	0.8 (0)		
6	MN	eS	03 06 10	R	0.5	25.9 (0)	4.0	
6	CP	eS	03 06 58	R	0.5	2.1 (0)	5.5	
6	WI	eL	03 07 24	R	0.5	7.0 (0)		
6	05 09 00.1		39.6 N 110.0 W UTAH H =033 KM					
6	FM	eP	05 09 23.3	Z	0.3	5.2 (0)	1.8	
		eL	05 09 46	R	0.5	60.4 (0)		
6	05 53 19.5		02.5 S 138.2 E WEST IRAN H =034 KM MAG 5.00- CGS					
6	08 38 33.3		09.1 S 112.5 E SOUTH COAST OF JAVA H =084 KM MAG 5.70- CGS					
6	WI	eP'	08 57 29.3	Z	0.8	2.0 (0)	126.0	
6	MN	eP'	08 57 30.0	Z	999.9	99.9 (9)	126.0	
6	CP	eP'	08 57 36.6	Z	0.8	2.5 (0)	129.0	
6	LC	eP'	08 57 51.0	Z	999.9	99.9 (9)	137.0	
		eSKP	09 01 19	Z	0.8	2.2 (0)		
6	DH	eP'1	08 58 07.3	Z	0.8	30.4 (0)	146.0	
6	SJ	eP'1	08 58 07.3	Z	0.7	16.8 (0)	146.0	
6	09 15 24.2		09.9 S 160.6 E SOLOMON ISLANDS H =076 KM MAG 4.90- CGS					
6	MN	eP	09 28 13.8	Z	1.1	5.0 (0)	89.0	4.58

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	WI	eP	09 28 20.2	Z	999.9	99.9 (9)	90.0	
6	TF	eP	10 07 09.7	Z	0.3	44.9 (0)	1.0	
		eS	10 07 23	T	0.4	79.0 (0)		
6	CP	eP	10 07 47.1	Z	0.3	1.0 (0)	3.2	
		eS	10 08 27	R	0.5	11.8 (0)		
6	MN	eP	14 43 53.0	Z	0.3	0.5 (0)	2.8	
		e	14 43 57	Z	0.3	2.0 (0)		
		eS	14 44 28	R	0.5	6.6 (0)		
6	WI	eP	14 44 43.3	Z	0.3	1.2 (0)	5.0	
		eS	14 45 43	R	0.4	3.6 (0)		
6	19 30 28.2		39.5 N 20.6 E GREECE ALBANIA BORDER H =033 KM MAG 5.10- CGS					
7	02 17 37.4		36.7 N 83.1 E SINKIANG PROVINCE, CHINA H =033 KM MAG 5.80- CGS					
7	03 16 41.4		36.6 N 70.8 E HINDU KUSH REGION H =230 KM MAG 4.40- CGS					
7	04 27 25.8		47.9 N 156.2 E KURILE ISLANDS REGION H =033 KM MAG 4.10- CGS					
7	05 00 50.3		18.8 N 145.5 E MARIANA ISLANDS REGION H =093 KM MAG 4.90- CGS					
7	WI	eP	05 13 07.0	Z	0.8	13.9 (0)	83.0	4.96
7	TF	eP	05 13 07.3	Z	1.0	16.3 (0)	83.0	4.93
7	MN	eP	05 13 09.0	Z	0.8	13.6 (0)	83.0	4.95
							AVG.	4.94
7	05 16 21.3		64.5 N 146.9 W CENTRAL ALASKA H =033 KM MAG 4.50- CGS					
7	WI	eP	05 22 16.5	Z	0.9	4.7 (0)	29.0	4.25
7	MN	eP	05 22 37.7	Z	0.7	7.6 (0)	31.0	4.67
7	CP	eP	05 23 26.8	Z	0.7	5.6 (0)	37.0	4.47
7	NG	eP	05 23 28.2	Z	0.8	11.7 (0)	37.0	4.73
							AVG.	4.53

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	07 07 45.1		36.7 N 121.8 W MONTEREY COUNTY, CALIF.					
			H =014 KM MAG 4.50- BRK					
7	TF	eP	07 08 22.2	Z	0.4	14.1 (0)	2.1	
		eL	07 08 58	LR	15	19.9 (2)		
7	MV	eP	07 08 26.0	Z	0.5	7.5 (0)	2.5	
		eL	07 08 52	LZ	18	57.4 (1)		
7	MN	eP	07 08 38.0	Z	999.9	99.9 (9)	3.3	
		e	07 08 42	Z	0.7	5.7 (0)		
		eL	07 09 30	LR	15	21.6 (2)		
7	WI	eP	07 09 12.5	Z	0.6	1.0 (0)	5.7	3.58
		e	07 09 29	Z	0.6	7.2 (0)		
		e	07 10 34	R	0.1	34.0 (0)		
		eL	07 11 30	LR	16	13.7 (2)		
7	CP	eP	07 09 15.2	Z	0.5	3.1 (0)	5.9	4.14
		eL	07 11 05	LT	18	10.5 (2)		
7	FM	eP	07 09 45.5	Z	999.9	99.9 (9)	7.9	
		e	07 09 53	Z	1.0	15.0 (0)		
		eL	07 12 06	LR	1.3	39.8 (1)		
						AVG.		3.86
7	16 23 11.2		22.0 S 68.6 W NORTHERN CHILE					
			H =110 KM MAG 5.40- CGS					
7	SJ	eP	16 32 48.7	Z	0.7	42.2 (0)	57.0	5.55
		epP	16 33 16	Z	0.8	60.2 (0)		
7	DH	eP	16 33 36.5	Z	0.7	25.4 (0)	64.0	5.24
		epP	16 34 04	Z	0.6	29.9 (0)		
7	LC	eP	16 33 42.5	Z	0.8	23.6 (0)	65.0	5.15
		epP	16 34 11	Z	1.0	40.0 (0)		
7	NG	eP	16 34 10.0	Z	999.9	99.9 (9)	70.0	
		epP	16 34 39	Z	0.7	14.7 (0)		
7	CP	eP	16 34 20.5	Z	0.8	25.0 (0)	71.0	5.08
		epP	16 34 49	Z	1.0	56.4 (0)		
7	FM	eP	16 34 34.5	Z	0.9	11.1 (1)	74.0	5.68
		epP	16 35 03	Z	0.9	90.3 (0)		
		e	16 35 15	Z	1.3	11.0 (1)		
7	TF	eP	16 34 42.8	Z	1.0	45.0 (0)	75.0	5.24
		e	16 35 11	Z	1.0	65.5 (0)		
7	MN	eP	16 34 49.0	Z	1.0	35.5 (0)	76.0	5.14
		epP	16 35 18	Z	1.0	49.9 (0)		
7	WI	eP	16 34 58.2	Z	999.9	99.9 (9)	78.0	
		epP	16 35 26	Z	999.9	99.9 (9)		
						AVG.		5.29
7	18 00 21.8		12.1 N 72.2 W NEAR COAST OF N E COLOMBIA					
			H =033 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	LC	eP	18 07 33.5	Z	1.0	10.0 (0)	37.0	4.56
7	MN	eP	18 09 03.3	Z	0.8	2.3 (0)	48.0	4.16
							AVG.	4.36
7	LC	eP	21 41 39.0	Z	0.2	17.8 (0)	1.5	
		eS	21 41 58	R	0.2	28.5 (0)		
7	DH	eP	22 14 30.0	Z	0.4	14.1 (0)	0.1	
		eS	22 14 33	R	0.4	17.5 (0)		
7	MN	eP	22 28 25.7	Z	0.2	1.3 (0)	2.4	
		e	22 28 34	Z	0.5	13.0 (0)		
		eS	22 29 05	R	0.5	13.3 (0)		
8	02 08 45.9		26.6 S 179.8 E KERMADEC ISLANDS REGION					
			H =033 KM MAG 4.40- CGS					
8	02 09 07.6		46.0 N 12.1 E NORTHERN ITALY					
			H =034 KM					
8	04 28 21.*		15.9 S 171.9 W SAMOA ISLANDS REGION					
			H =033 KM MAG 4.60- CGS					
8	MN	eP	04 39 54.5	Z	1.0	3.4 (0)	74.0	4.26
8	LC	eP	04 40 23.2	Z	0.8	2.9 (0)	79.0	4.30
							AVG.	4.28
8	08 50 56.0		54.9 N 163.9 W UNIMAK IS., ALEUTIAN IS.					
			H =089 KM MAG 5.60- CGS					
8	WI	eP	08 57 26.2	Z	1.0	15.8 (0)	33.0	4.80
		eS	09 02 50	LR	22	49.2 (1)		
		eS	09 02 50	LT	18	19.4 (2)		
		e	09 03 42	Z	1.2	24.3 (0)		
		eSCP	09 04 26	Z	1.2	10.4 (0)		
		eL	09 05 07	LZ	15	69.7 (1)		
		eL	09 05 07	LR	20	77.7 (1)		
		eL	09 05 07	LT	15	53.6 (1)		
8	MN	eP	08 57 39.5	Z	1.3	21.3 (0)	35.0	4.91
		epP	08 58 01	Z	1.2	26.2 (0)		
		eS	09 03 02	LT	15	39.4 (1)		
		eS	09 03 02	LR	10	66.3 (1)		
		eSCP	09 03 46	Z	1.2	19.6 (0)		
		eL	09 05 55	LT	27	11.8 (2)		
		eL	09 08 12	LZ	22	80.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		eL	09 08 12	LR	22	70.4	(1)		
8	FM	eP	08 58 04.0	Z	1.2	13.1	(0)	38.0	4.71
		epP	08 58 26	Z	1.5	25.2	(0)		
		eSCP	09 03 58	Z	1.5	16.8	(0)		
		eLQ	09 06 52	LR	20	72.0	(1)		
		eLR	09 09 30	LZ	30	64.9	(1)		
8	LC	eP	08 59 09.4	Z	1.0	15.0	(0)	46.0	4.79
		eSCP	09 04 29	Z	1.2	7.6	(0)		
		eS	09 05 47	LT	18	42.5	(1)		
		eS	09 05 47	LR	20	24.7	(1)		
		e	09 09 30	LR	18	57.6	(1)		
		eL	09 13 45	LZ	27	95.4	(1)		
		eL	09 15 05	LR	22	65.2	(1)		
		eL	09 15 05	LZ	22	65.6	(1)		
8	NG	eP	08 59 19.1	Z	0.7	41.8	(0)	47.0	5.40
8	SJ	eP	09 00 13.5	Z	0.5	15.5	(0)	54.0	5.29
8	DH	eP	09 00 29.3	Z	0.5	37.2	(0)	56.0	5.67
8	MV	eS	09 02 30	LZ	11	62.3	(1)	32.0	
		eL	09 04 45	LT	22	75.4	(1)		
		eL	09 06 25	LZ	20	68.9	(1)		
8	TF	eS	09 03 22	LR	10	61.0	(1)	36.0	
		eL	09 06 03	LR	15	11.3	(2)		
							AVG.		5.08

8 10 22 11.2 36.6 N 141.0 E HONSHU, JAPAN
H =053 KM MAG 6.10- CGS

8	MV	eP	10 33 43	LZ	12	12.7	(2)	73.0	
		eS	10 43 05	LT	17	25.4	(2)		
		eS	10 43 05	LT	17	19.3	(2)		
		eLQ	10 51 40	LT	28	23.7	(2)		
		eL	10 54 50	LR	18	72.2	(1)		
		eL	10 54 50	LT	20	29.9	(2)		
		eLR	10 55 57	LZ	25	43.0	(2)		
8	WI	eP	10 33 45.5	Z	1.0	7.9	(0)	74.0	4.59
		eP	10 33 46	LZ	12	42.4	(2)		
		e	10 33 54	Z	1.5	86.3	(0)		
		eS	10 43 10	LR	999.9	99.9	(9)		
		eS	10 43 20	T	4.5	44.9	(1)		
		eL	10 51 45	LR	24	25.6	(2)		
8	MN	eP	10 33 52.5	Z	0.8	7.5	(0)	76.0	4.71
		eP	10 33 55	LZ	12	13.0	(2)		
		e	10 34 01	Z	1.2	47.2	(0)		
		eS	10 43 30	LT	15	31.9	(2)		
		eS	10 43 30	LR	20	19.8	(2)		
		ePPS	10 44 34	LR	22	20.0	(2)		
		eSS	10 48 30	LT	23	18.4	(2)		
		eLQ	10 53 35	LT	32	50.8	(2)		
		eLR	10 56 50	LZ	30	52.2	(2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		eL	10 59 58	LZ	23	47.1	(2)		
		eL	10 59 58	LR	22	44.3	(2)		
		eL	10 59 58	LT	22	10.9	(2)		
8	TF	eP	10 33 56.2	Z	0.8	9.9	(0)	76.0	4.83
		eP	10 33 58	LZ	12	19.6	(2)		
		eS	10 43 42	LR	25	43.0	(2)		
		eLQ	10 53 42	LR	35	53.1	(2)		
		eLR	10 57 10	LR	31	68.8	(2)		
		eL	10 59 20	LZ	23	12.9	(3)		
		eL	10 59 20	LR	23	84.2	(2)		
		eL	10 59 20	LT	23	96.9	(2)		
8	FM	eP	10 34 11.0	Z	0.8	5.9	(0)	79.0	4.56
		eP	10 34 12	LZ	15	90.9	(1)		
		e	10 34 24	Z	0.9	10.9	(0)		
		eS	10 44 10	LR	22	11.1	(2)		
		eSS	10 48 40	LR	18	13.4	(2)		
		e	10 52 12	LR	28	13.7	(2)		
		eLQ	10 55 46	LR	28	40.2	(2)		
		eLR	11 00 00	LZ	28	33.9	(2)		
8	LC	eP	10 34 50.7	Z	1.0	6.2	(0)	87.0	4.68
		eP	10 34 52	LZ	15	84.9	(1)		
		e	10 35 05	Z	1.1	16.9	(0)		
		ePPP	10 40 18	LR	22	41.0	(2)		
		eS	10 45 25	LR	23	25.2	(2)		
		eS	10 45 25	LT	12	15.8	(2)		
		e	10 51 05	LT	24	18.2	(2)		
		eSS	10 51 25	LR	25	19.9	(2)		
		eSSS	10 54 50	LR	25	22.2	(2)		
		eLQ	10 58 12	LT	20	17.2	(2)		
		eLR	11 02 55	LZ	30	46.7	(2)		
8	NG	eP	10 34 51.5	Z	0.9	15.2	(0)	87.0	5.12
		eP	10 34 52	LZ	16	96.2	(1)		
		eS	10 45 17	LR	26	52.5	(2)		
		eSS	10 51 12	LR	18	28.3	(2)		
		e	10 57 56	LR	21	41.6	(2)		
		eLG	11 03 14	LR	22	22.3	(2)		
		eLR	11 09 31	LZ	23	25.3	(2)		
		eL	11 11 55	LZ	22	58.6	(2)		
		eL	11 11 55	LR	22	17.3	(2)		
		eL	11 11 55	LT	22	42.1	(2)		
8	DH	eP	10 35 30.0	Z	1.7	24.7	(1)	95.0	6.36
		eS	10 46 38	LR	25	21.3	(2)		
		ePS	10 48 00	LT	24	12.0	(2)		
		eSS	10 53 02	LT	21	15.1	(2)		
		eLQ	11 09 50	LR	21	33.9	(2)		
		e	11 17 05	LZ	22	38.8	(2)		
		eL	11 17 05	LR	23	37.6	(2)		
		eL	11 17 05	LT	22	27.5	(2)		
8	SJ	eP	10 35 33	LZ	15	92.9	(1)	95.0	
		ePP	10 39 32	LZ	18	68.8	(1)		
		eSKS	10 46 07	LR	24	21.7	(2)		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
			10 46 40						
		eSP	10 48 10		LT	19	29.3 (2)		
					LZ	19	17.7 (2)		
		eLR	11 07 09		LZ	30	22.3 (2)		
							AVG.		4.98

8 13 56 27.* 58.6 S 61.5 W DRAKE PASSAGE
H =033 KM MAG 5.80- CGS

8 14 15 03.* 21.7 N 85.0 E INDIA
H =033 KM

8 15 24 00.3 05.3 N 125.7 E OFF MINDANAO, PHILIPPINES
H =070 KM MAG 5.60- CGS

8	LC	eP	15 42 41.3	Z	1.0	5.0 (0)	118.0	
		ePP	15 43 55	Z	2.0	39.0 (0)		

8 19 15 39.7 17.2 S 175.0 W TONGA ISLANDS REGION
H =199 KM MAG 4.60- CGS

8 19 50 06.6 03.6 S 103.0 E NEAR S W COAST OF SUMATRA
H =137 KM

8 20 28 11.5 14.5 S 172.9 W SAMOA ISLANDS REGION
H =033 KM MAG 4.70- CGS

8	LC	eP	20 40 13.8	Z	1.0	6.2 (0)	79.0	4.52

8 21 26 53.4 32.1 N 141.5 E SOUTH OF HONSHU, JAPAN
H =039 KM MAG 4.10- CGS

9 07 25 53.7 28.5 S 179.0 W KERMADEC ISLANDS
H =267 KM

9 10 03 36.* 31.8 S 71.2 W CENTRAL CHILE
H =091 KM MAG 4.40- CGS

9 11 23 29.8 31.7 N 142.3 E SOUTH OF HONSHU, JAPAN
H =033 KM MAG 3.90- CGS

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG

9 15 03 41.0 12.2 N 86.9 W WEST OF NICARAGUA
H =034 KM MAG 5.30- CGS

9	SJ	eP	15 07 59.5	Z	0.8	60.4 (0)	19.0	4.91
		ePCP	15 12 43	Z	0.7	55.0 (0)		
9	LC	eP	15 09 21.9	Z	1.0	3.6 (0)	27.0	3.99
		eS	15 14 03	LR	19	20.5 (2)		
		e	15 14 06	Z	1.3	18.9 (0)		
		eL	15 16 13	LT	38	23.1 (2)		
9	NG	eP	15 10 20.0	Z	0.8	8.8 (0)	33.0	4.71
		eS	15 15 38	LR	23	10.3 (2)		
		eL	15 18 27	LT	34	27.2 (2)		
9	FM	eP	15 10 34.5	Z	999.9	99.9 (9)	35.0	
9	WI	eP	15 11 11.0	Z	0.7	1.6 (0)	39.0	3.87
		eS	15 17 18	LT	28	79.5 (1)		
		eL	15 26 02	LT	23	22.0 (2)		
		eL	15 29 35	LZ	17	99.9 (9)		
9	DH	ePCS	15 16 50	LR	21	24.3 (2)	32.0	
		eL	15 19 38	LT	23	12.8 (3)		
		eL	15 22 15	LZ	18	84.1 (2)		
9	MN	eS	15 17 04	LR	30	11.8 (2)	38.0	
		e	15 19 42	LT	21	86.8 (1)		
		eLR	15 21 50	LT	40	23.2 (2)		
9	MV	eS	15 17 53	LR	30	68.6 (1)	41.0	
		e	15 20 50	LZ	18	44.4 (1)		
		eL	15 23 50	LT	30	27.9 (2)		
		eL	15 26 33	LT	23	50.1 (2)		
		eL	15 26 33	LR	19	16.8 (2)		
		eL	15 26 33	LZ	25	12.9 (2)		
							AVG.		4.37

9 15 06 24.* 12.7 N 86.6 W NICARAGUA
H =033 KM

9	SJ	eP	15 10 41.2	Z	0.7	50.8 (0)	18.0	4.79
9	LC	eP	15 12 04.0	Z	0.9	7.5 (0)	27.0	4.35
9	WI	eP	15 13 52.0	Z	0.7	1.6 (0)	39.0	3.87
		ePCP	15 15 54	Z	0.7	1.1 (0)		
							AVG.		4.34

9	CP	eP	16 03 07.7	Z	0.2	54.4 (0)	0.7	
		eS	16 03 17	R	0.3	87.9 (0)		

9 19 28 02.3 52.3 S 27.5 E S. W. OF PRINCE EDWARD IS.
H =033 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	20	45 13.8	53.9 N 165.2 W H =033 KM		FOX IS., ALEUTIAN ISLANDS			
9	WI	eP	20 51 56.0	Z	1.4	7.9 (0)	34.0	4.42
9	LC	eP	20 53 37.1	Z	1.0	4.9 (0)	46.0	4.42
		e	20 53 46	Z	1.0	11.0 (0)		
							AVG.	4.42
10	01	49 25.*	30.2 N 130.8 E H =033 KM MAG		SOUTH OF KYUSHU, JAPAN 5.30- CGS			
10	MN	eP	02 02 06.3	Z	0.8	1.5 (0)	86.0	4.11
10	03	06 50.*	51.1 N 172.9 E H =033 KM MAG		NEAR IS., ALEUTIAN ISLANDS 4.20- CGS			
10	CP	eP	04 12 41.0	Z	0.2	1.3 (0)	2.8	
		eS	04 13 16	R	0.3	8.0 (0)		
10	04	28 41.8	20.0 S 168.1 E H =033 KM MAG		LOYALTY ISLANDS 4.90- CGS			
10	TF	eP	04 41 27.7	Z	1.0	16.6 (0)	87.0	5.15
		eP AS	04 41 39.3	Z	0.9	32.0 (0)		5.48
10	MV	eP	04 41 32.5	Z	0.9	11.3 (0)	88.0	5.10
		eP AS	04 41 43.6	Z	0.9	35.3 (0)		5.59
		eL	05 09 30	LZ	24	32.6 (1)		
10	CP	eP	04 41 36.2	Z	0.8	7.6 (0)	89.0	4.94
		eP AS	04 41 47.8	Z	0.8	12.7 (0)		5.16
10	MN	eP	04 41 40.7	Z	1.0	21.3 (0)	90.0	5.29
		eP AS	04 41 52.5	Z	1.0	40.1 (0)		5.57
		eL	05 11 50	LZ	25	50.0 (1)		
10	WI	eP	04 41 49.0	Z	1.0	16.7 (0)	92.0	5.32
		eP AS	04 42 00.5	Z	0.9	22.2 (0)		5.49
		eL	05 11 12	LZ	30	44.3 (1)		
10	FM	eL	05 13 08	LZ	25	31.1 (1)	95.0	
10	LC	eL	05 14 04	LZ	25	23.8 (1)	97.0	
10	SJ	eL	05 17 32	LT	22	53.4 (1)	102.0	
							AS .	5.45
							AVG.	5.16
10	CP	eP	08 58 59.3	Z	0.2	10.2 (0)	0.7	
		eS	08 59 09	T	0.3	11.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	FM	eP	09 37 15.8	Z	0.3	2.0 (0)	1.5	
		eS	09 37 35	R	0.4	4.5 (0)		
10	10	29 12.9	21.5 S 178.5 W H =175 KM		FIJI ISLANDS REGION			
10	MN	eP	10 41 16.0	Z	0.8	1.5 (0)	82.0	3.80
10	MN	eP	10 48 15.8	Z	0.3	3.9 (0)	1.3	
		eS	10 48 32	R	0.4	4.9 (0)		
10	10	57 34.7	40.9 N 47.8 E H =150 KM		AZERBAIJAN S.S.R.			
10	11	09 41.6	08.4 S 67.6 E H =033 KM MAG		INDIAN OCEAN 5.90- CGS			
10	WI	eP	11 29 23.8	Z	999.9	99.9 (9)	147.0	
		e	11 29 30	Z	0.9	7.7 (0)		
10	MN	eP	11 29 27.5	Z	0.9	1.9 (0)	150.0	
		e	11 29 32	Z	1.0	7.6 (0)		
10	TF	eP	11 29 38.3	Z	0.8	7.3 (0)	152.0	
10	MN	eP	12 07 30.5	Z	0.3	1.5 (0)	2.9	
		eS	12 08 06	R	0.4	3.2 (0)		
10	CP	eP	13 03 54.3	Z	0.3	9.2 (0)	1.0	
		eS	13 04 08	T	0.4	16.9 (0)		
10	13	05 20.6	07.8 S 74.5 W H =110 KM MAG		CENTRAL PERU 4.80- CGS			
10	CP	eP	13 15 48.0	Z	0.2	2.0 (0)	1.1	
		eS	13 16 02	T	0.4	4.4 (0)		
10	MN	eP	14 55 33.2	Z	0.3	3.0 (0)	1.2	
		eS	14 55 49	R	0.4	3.8 (0)		
10	CP	eP	17 28 10.0	Z	0.3	2.0 (0)	1.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	17 28 26	T	0.4	12.4 (0)		
10	CP	eP	18 01 02.2	Z	0.2	6.8 (0)	0.1	
		eS	18 01 06	R	0.3	11.5 (0)		
10	CP	eP	18 10 14.0	Z	0.2	2.7 (0)	1.9	
		eS	18 10 39	R	0.4	10.6 (0)		

10 20 38 56.* 05.8 S 108.1 W S. W. OF GALAPAGOS ISLANDS
H =033 KM

10	LC	eP	20 46 15.0	Z	0.9	3.7 (0)	38.0	4.19

10 22 22 42.2 02.2 S 77.6 W ECUADOR
H =033 KM MAG 5.70- CGS

10	SJ	eP	22 29 41.3	Z	1.0	13.4 (1)	36.0	5.76
		eP	22 29 42	LZ	12	27.7 (2)		
		e	22 32 07	LZ	13	99.9 (9)		
		eS	22 35 24	R	1.8	25.7 (1)		
		eS	22 35 24	T	2.4	34.3 (1)		
		e	22 35 29	T	2.0	53.8 (1)		
10	LC	eP	22 30 49.2	Z	1.0	75.1 (0)	44.0	5.37
		eP	22 30 50	LZ	14	12.7 (2)		
		e	22 32 40	LZ	15	14.9 (2)		
		eS	22 37 32	T	2.8	46.6 (1)		
		eS	22 37 32	R	2.5	21.8 (1)		
		eS	22 37 33	LT	999.9	99.9 (9)		
		e	22 38 12	T	3.2	10.0 (4)		
		eL	22 49 50	T	13.0	10.0 (3)		
10	DH	eP	22 30 51.5	Z	1.0	69.4 (0)	44.0	5.34
		eP	22 30 52	LZ	11	28.7 (2)		
		e	22 32 43	LZ	22	60.3 (2)		
		eS	22 37 20	LT	27	20.8 (3)		
		eS	22 37 20	LR	17	65.5 (2)		
		e	22 40 45	LR	22	11.7 (3)		
		eLR	22 46 08	LZ	28	99.9 (9)		
10	NG	eP	22 31 23.2	Z	0.8	17.5 (0)	49.0	5.10
		eP	22 31 24	LZ	11	13.1 (2)		
		e	22 35 03	LZ	20	15.2 (2)		
		eS	22 38 22	LR	17	99.9 (9)		
		eS	22 38 25	T	3.0	11.4 (2)		
		eS	22 38 25	R	1.8	12.9 (1)		
		eSCS	22 41 20	LT	29	56.9 (2)		
		eLR	22 48 25	LZ	999.9	99.9 (9)		
10	CP	eP	22 31 40.0	Z	1.0	31.6 (0)	50.0	5.19
		eP	22 31 40	LZ	13	12.7 (2)		
		eS	22 39 10	LT	32	11.4 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	22 39 10	LR	18	99.9 (9)		
		eLR	22 47 15	LZ	26	99.9 (9)		
10	FM	eP	22 31 51.8	Z	1.0	83.3 (0)	52.0	5.65
		eP	22 31 52	LZ	14	15.5 (2)		
		eS	22 39 10	LR	999.9	99.9 (9)		
		eSS	22 43 00	LR	999.9	99.9 (9)		
		eLQ	22 44 10	LR	999.9	99.9 (9)		
		eLR	22 45 40	LZ	22	99.9 (9)		
10	TF	eP	22 32 08.3	Z	1.0	20.8 (0)	54.0	5.11
		eP	22 32 09	LZ	13	17.7 (2)		
		e	22 32 14	Z	0.9	48.0 (0)		
		eS	22 39 55	LR	27	63.4 (2)		
		eS	22 39 55	LT	999.9	99.9 (9)		
		eSS	22 43 30	LT	24	81.3 (2)		
		eLQ	22 46 00	LR	36	16.9 (3)		
		eLR	22 48 45	LZ	29	24.4 (3)		
10	MN	eP	22 32 13.5	Z	1.0	51.1 (0)	55.0	5.50
		eP	22 32 14	LZ	18	89.6 (1)		
		eS	22 40 00	LR	999.9	99.9 (9)		
10	WI	eP	22 32 22.9	Z	0.8	10.5 (0)	56.0	4.91
		eP	22 32 23	LZ	13	13.7 (2)		
		eS	22 40 18	LT	999.9	99.9 (9)		
		eS	22 40 18	LR	18	28.2 (2)		
		eL	22 51 30	T	17.0	2.5 (4)		
10	MV	eP	22 32 30.0	Z	999.9	99.9 (9)	57.0	
		eP	22 32 30	LZ	13	10.8 (2)		
		eS	22 40 28	LT	21	99.9 (9)		
						AVG.		5.33

11 01 10 48.* 32.8 N 19.4 E OFF COAST OF LIBYA
H =033 KM MAG 5.80- CGS

11 02 55 58.4 45.2 N 110.0 W SOUTHERN MONTANA
H =033 KM

11 03 01 00.1 44.9 N 110.8 W YELLOWSTONE PARK, WYOMING
H =033 KM

11	FM	eP	03 02 31.1	Z	0.5	1.0 (0)	6.0	3.74
		e	03 02 39	Z	0.8	5.1 (0)		
11	WI	eP	03 02 33.6	Z	0.5	2.1 (0)	6.0	4.03
		eL	03 03 31	R	0.7	7.8 (0)		
		eL	03 04 10	LR	14	55.7 (1)		
11	MN	eL	03 03 39	R	0.7	3.0 (0)	8.0	
						AVG.		3.88

11 04 44 19.4 15.4 S 177.1 W FIJI ISLANDS REGION
H =400 KM MAG 5.10- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	MN	eP	04 55 28.9	Z	0.9	19.6 (0)	76.0	4.83
11	LC	iP	04 55 58.6D	Z	0.9	60.7 (0)	82.0	5.32
							AVG.	5.08
11	07 49 47.2		17.9 S 178.5 W	FIJI ISLANDS REGION				
			H =590 KM MAG	4.90- CGS				
11	11 46 37.3		19.3 S 169.5 E	NEW HEBRIDES IS. REGION				
			H =272 KM MAG	4.50- CGS				
11	CP	eP	16 18 03.5	Z	0.1	38.3 (0)		
11	CP	e	16 18 12	Z	0.1	13.6 (0)		
11	17 49 43.0		24.2 N 122.5 E	OFF EAST FORMOSA				
			H =033 KM MAG	4.50- CGS				
11	LC	eP'P'	18 27 35	Z	0.9	22.5 (0)	106.0	
11	19 44 23.5		34.9 S 108.2 W	EASTER ISLAND REGION				
			H =033 KM MAG	4.00- CGS				
11	LC	eP	19 55 15.0	Z	1.0	17.8 (0)	67.0	5.15
11	MN	eP	19 55 55.7	Z	1.0	9.2 (0)	74.0	4.69
							AVG.	4.92
12	01 07 36.1		41.8 N 136.5 E	SEA OF JAPAN				
			H =307 KM MAG	4.60- CGS				
12	MN	eP	01 18 46.3	Z	0.7	4.2 (0)	75.0	4.28
12	LC	eP	01 19 44.1	Z	0.7	2.4 (0)	86.0	4.15
							AVG.	4.21
12	02 57 15.5		36.5 N 140.6 E	NEAR EAST HONSHU, JAPAN				
			H =033 KM MAG	4.40- CGS				
12	MN	eP	03 09 00.3	Z	0.7	0.8 (0)	76.0	3.88

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	TF	eP	04 24 11.0	Z	0.3	19.6 (0)	0.7	
		eS	04 24 21	T	999.9	99.9 (9)		
12	04 46 31.6		17.3 S 167.6 E	NEW HEBRIDES ISLANDS				
			H =053 KM					
12	CP	eP	07 33 36.2	Z	0.3	5.1 (0)	1.3	
		eS	07 33 52	T	0.4	22.2 (0)		
12	09 42 58.3		57.5 S 159.4 E	MACQUARIE ISLAND REGION				
			H =044 KM MAG	6.20- CGS				
12	MN	eP'	10 01 39.0	Z	1.2	9.1 (0)	118.0	
		ePP	10 02 52	Z	2.2	28.4 (0)		
		ePS	10 12 55	LT	24	58.5 (1)		
		eSS	10 19 35	LT	18	41.2 (1)		
		eLR	10 37 05	LZ	24	77.1 (1)		
		eL	10 41 47	LZ	21	10.8 (2)		
		eL	10 41 47	LR	20	25.8 (1)		
		eL	10 41 47	LT	20	94.1 (1)		
12	LC	ePS	10 13 00	LT	23	34.3 (1)	119.0	
		eSS	10 19 40	LT	999.9	99.9 (9)		
		eSSS	10 24 10	LT	19	29.5 (1)		
		eLR	10 38 00	LZ	27	35.7 (1)		
12	FM	ePS	10 13 20	LR	17	40.6 (1)	121.0	
		eSS	10 20 23	LR	23	50.6 (1)		
		eLR	10 38 57	LZ	25	59.1 (1)		
12	NG	eSS	10 24 10	LR	21	33.4 (1)	138.0	
		eSSS	10 28 52	LR	20	29.9 (1)		
		eLR	10 49 58	LZ	24	31.1 (1)		
12	CP	eLR	10 25 25	LZ	26	65.8 (1)	114.0	
12	TF	eLR	10 35 17	LZ	22	11.0 (2)	114.0	
12	MV	eLR	10 36 27	LZ	21	40.3 (1)	117.0	
12	SJ	eLR	10 42 30	LZ	18	81.0 (1)	119.0	
12	MN	eP	10 09 51.9	Z	0.3	2.4 (0)	2.7	
		e	10 10 03	Z	0.3	11.2 (0)		
		eS	10 10 26	R	0.4	12.1 (0)		
12	11 00 48.*		03.0 S 78.7 W	ECUADOR				
			H =033 KM					
12	FM	eP	14 18 00.5	Z	0.3	10.2 (0)	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	14 18 20	T	0.4	17.4 (0)		
12		16 37 10.6	42.2 S 72.1 W SOUTHERN CHILE H =033 KM					
12	LC	eP	16 49 22.5	Z	999.9	99.9 (9)	81.0	
12		19 22 30.8	03.4 S 146.9 E BISMARK SEA H =033 KM MAG 4.90- CGS					
12	MN	eL	20 07 09	LZ	24	45.7 (1)	96.0	
12		20 08 43.0	57.4 N 153.9 W KODIAK ISLAND, ALASKA H =080 KM MAG 5.90- CGS					
12	MV	eP	20 14 27.1	Z	1.2	75.3 (0)	28.0	5.23
		eP	20 14 30	LZ	14	47.0 (2)		
		ePCP	20 17 40	Z	1.0	40.5 (0)		
		eS	20 18 53	LR	18	14.2 (2)		
12	WI	eP	20 14 31.0	Z	999.9	99.9 (9)	28.0	
		eP	20 14 35	LZ	999.9	99.9 (9)		
12	MN	eP	20 14 47.0	Z	1.2	11.5 (1)	30.0	5.50
		eP	20 14 51	LZ	17	99.9 (9)		
		eP AS	20 15 02.5	Z	999.9	99.9 (9)		
		ePCP	20 17 47	Z	0.9	26.2 (0)		
		eS	20 20 01	LT	29	55.8 (2)		
		eSS	20 21 08	LT	24	34.5 (2)		
		e	20 21 47	Z	2.3	93.0 (0)		
		eLR	20 23 31	LZ	24	99.9 (9)		
		eL	20 24 27	Z	15.0	2.0 (4)		
12	TF	eP	20 15 02.3	Z	1.2	21.5 (1)	32.0	5.79
		eP	20 15 05	LZ	999.9	99.9 (9)		
		eP AS	20 15 18.3	Z	1.1	21.4 (1)		5.82
		ePCP	20 17 56	Z	1.0	55.0 (0)		
		eS	20 20 14	R	2.6	32.8 (1)		
		eS	20 20 15	LT	11	50.5 (2)		
		eS	20 20 15	LR	16	28.6 (2)		
		eLR	20 23 02	LZ	23	19.5 (3)		
12	FM	eP	20 15 08.7	Z	1.1	10.9 (1)	32.0	5.53
		eP	20 15 10	LZ	13	23.1 (2)		
		eP AS	20 15 24.2	Z	1.3	20.9 (1)		5.74
		ePCP	20 17 54	Z	1.0	63.2 (0)		
		eS	20 20 20	LT	999.9	99.9 (9)		
		eS	20 20 20	LR	18	18.2 (2)		
		eLQ	20 22 35	LR	12	16.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	20 24 10	LZ	25	99.9 (9)		
12	CP	eP	20 15 34.2	Z	1.3	25.9 (1)	35.0	6.00
		eP	20 15 35	LZ	14	25.9 (2)		
		eP AS	20 15 49.5	Z	1.2	15.6 (1)		5.81
		e	20 15 59	Z	1.5	26.2 (1)		
		ePP	20 17 05	Z	2.4	41.2 (1)		
		ePP	20 17 05	LZ	16	96.5 (1)		
		ePCP	20 18 02	Z	999.9	99.9 (9)		
		eS	20 21 09	R	2.8	15.5 (1)		
		eS	20 21 10	LT	999.9	99.9 (9)		
		eS	20 21 10	LR	11	11.5 (3)		
		eLQ	20 23 56	LZ	17	54.0 (2)		
		eLR	20 25 23	LZ	27	99.9 (9)		
12	LC	eP	20 16 17.8	Z	999.9	99.9 (9)	41.0	
		eP	20 16 20	LZ	16	22.5 (2)		
		eP AS	20 16 33.4	Z	1.2	24.0 (1)		5.88
		ePP	20 18 07	Z	2.0	24.2 (1)		
		ePP	20 18 10	LZ	19	24.5 (2)		
		eS	20 22 27	LR	999.9	99.9 (9)		
		eS	20 22 27	LT	30	39.8 (2)		
		eS	20 22 27	R	3.0	20.8 (1)		
		eLQ	20 27 25	LT	27	42.4 (2)		
		eLR	20 29 05	LZ	999.9	99.9 (9)		
12	NG	eP	20 16 19.3	Z	999.9	99.9 (9)	41.0	
		eP	20 16 20	LZ	12	13.4 (2)		
		eP AS	20 16 35.3	Z	0.8	12.1 (1)		5.76
		ePP	20 18 08	LZ	14	27.7 (2)		
		ePP	20 18 10	Z	1.1	84.7 (0)		
		eS	20 22 28	R	2.4	39.4 (1)		
		eS	20 22 28	T	2.6	31.7 (1)		
		eS	20 22 28	LT	999.9	99.9 (9)		
		eS	20 22 28	LR	24	25.1 (2)		
		eSS	20 25 35	LT	18	34.1 (2)		
		eLQ	20 27 52	LT	999.9	99.9 (9)		
		eLR	20 30 12	LZ	29	99.9 (9)		
12	SJ	eP	20 17 23.1	Z	1.1	23.9 (1)	49.0	6.05
		eP	20 17 24	LZ	15	28.9 (2)		
		ePCP	20 18 46	Z	1.0	84.1 (0)		
		ePP	20 19 31	LZ	12	63.8 (2)		
		eS	20 24 15	LR	19	41.5 (2)		
		eS	20 24 15	LT	14	47.5 (2)		
		eSS	20 27 47	LR	17	19.3 (2)		
		eLQ	20 30 05	LR	19	38.0 (2)		
		eLR	20 34 13	LR	24	99.9 (9)		
12	DH	eP	20 17 32.5	Z	1.3	51.7 (1)	50.0	6.29
		eP	20 17 33	LZ	999.9	99.9 (9)		
		e	20 18 21	Z	1.0	14.9 (1)		
		ePP	20 19 32	LZ	13	27.6 (2)		
		eS	20 24 45	LR	20	22.3 (2)		
		eS	20 24 45	LT	22	21.8 (2)		
		eSS	20 28 30	LR	18	25.6 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	20 29 12	LZ	21	46.0 (2)		
		eLR	20 35 30	LZ	22	49.8 (2)		
		eL	20 39 30	LZ	15	19.5 (2)		
		eL	20 39 30	LR	17	95.4 (2)		
		eL	20 39 30	LT	15	50.3 (2)		
						AS .		5.80
						AVG.		5.77
12	20 37 12.9		55.9 N 163.1 E	NEAR EAST KAMCHATKA				
			H =033 KM MAG	5.10-	CGS			
12	MV	eP	20 46 16.3	Z	999.9	99.9 (9)	51.0	
12	WI	eP	20 46 18.5	Z	1.1	8.2 (0)	52.0	4.60
12	MN	eP	20 46 31.2	Z	1.2	9.1 (0)	53.0	4.61
		e	20 46 46	Z	1.0	16.2 (0)		
12	TF	eP	20 46 44.0	Z	999.9	99.9 (9)	55.0	
12	FM	eP	20 46 50.6	Z	1.0	14.3 (0)	56.0	4.95
12	NG	eP	20 47 34.2	Z	1.0	39.2 (0)	62.0	5.52
12	LC	eP	20 47 45.7	Z	1.2	21.1 (0)	64.0	5.14
12	DH	eP	20 48 25.5	Z	0.9	38.3 (0)	71.0	5.43
							AVG.	5.04
12	LC	eP	20 42 40.1	Z	0.3	4.4 (0)	1.5	
		eS	20 43 00	R	0.4	13.7 (0)		
13	01 32 36.1		06.7 N 73.1 W	NORTH COLOMBIA				
			H =140 KM MAG	4.30-	CGS			
13	WI	eP	04 50 32.4	Z	999.9	99.9 (9)		
13	MN	eP	04 50 56.1	Z	0.5	0.7 (0)	2.7	
		e	04 50 60	Z	0.5	2.3 (0)		
		eS	04 51 29	R	0.5	13.7 (0)		
13	07 10 38.4		25.7 S 179.6 E	FIJI ISLANDS REGION				
			H =453 KM MAG	4.80-	CGS			
13	09 44 12.6		40.4 N 142.1 E	NORTHERN HONSHU, JAPAN				
			H =052 KM MAG	4.10-	CGS			
13	12 44 00.7		14.5 N 92.9 W	MEXICO GUATEMALA BORDER				
			H =060 KM MAG	5.60-	CGS			
13	SJ	eP	12 47 17.7	Z	0.7	80.2 (0)	14.0	5.29

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	12 47 18	LZ	11	25.7 (2)		
		eLQ	12 50 15	LT	11	88.2 (2)		
		eLR	12 54 05	LZ	15	44.1 (2)		
13	LC	eP	12 48 48.5	Z	999.9	99.9 (9)	22.0	
		eP	12 48 49	LZ	14	13.5 (2)		
		eS	12 52 50	LT	26	24.8 (2)		
		eL	12 55 59	R	0.5	9.3 (0)		
13	FM	eP	12 50 06.0	Z	1.0	64.0 (0)	30.0	5.34
		eP	12 50 06	LZ	15	54.3 (1)		
		ePP	12 50 57	LZ	15	27.1 (1)		
		e	12 51 14	Z	1.2	32.8 (0)		
		ePPP	12 51 52	LZ	13	31.7 (1)		
		eS	12 55 06	LT	15	22.2 (2)		
		eS	12 55 06	LR	14	38.0 (1)		
		eLQ	12 58 05	LR	40	33.0 (2)		
		eLR	13 00 25	LT	18	26.5 (2)		
		eL	13 01 05	LZ	18	17.6 (2)		
		eL	13 01 05	LR	18	13.2 (2)		
		eL	13 01 05	LT	18	26.5 (2)		
13	NG	eP	12 50 15.0	Z	1.0	25.0 (0)	31.0	4.97
		eP	12 50 15	LZ	18	33.7 (1)		
		e	12 51 09	T	1.0	28.8 (0)		
		eS	12 55 30	LT	25	15.5 (2)		
		eS	12 55 30	LR	16	70.3 (1)		
		eLR	13 01 12	LZ	28	20.3 (2)		
		eL	13 04 30	LZ	23	26.2 (2)		
		eL	13 04 30	LR	17	49.0 (2)		
		eL	13 04 30	LT	17	28.3 (2)		
13	DH	eP	12 50 20.0	Z	1.0	11.6 (1)	32.0	5.64
		eP	12 50 22	LZ	14	40.2 (1)		
		eS	12 55 50	LR	22	19.4 (2)		
		eS	12 55 50	LT	23	19.4 (2)		
		eLR	12 59 00	LZ	9	35.1 (2)		
		eL	13 04 25	LT	17	63.0 (2)		
		eL	13 04 25	LZ	17	18.4 (3)		
		eL	13 04 25	LR	17	67.2 (2)		
13	MN	eP	12 50 30.1	Z	1.2	73.2 (0)	33.0	5.42
		ePCP	12 53 14	Z	1.0	51.7 (0)		
		eL	13 02 13	R	4.0	33.4 (1)		
13	WI	eP	12 50 43.0	Z	999.9	99.9 (9)	34.0	
		eL	12 57 53	T	1.5	91.9 (0)		
13	MV	eP	12 50 49.0	Z	999.9	99.9 (9)	35.0	
		eP	12 50 50	LZ	15	45.5 (1)		
		ePP	12 52 15	LZ	13	53.2 (1)		
		ePCP	12 53 22	Z	1.0	34.2 (0)		
		eS	12 56 29	LT	18	53.1 (1)		
		eS	12 56 29	LR	17	36.2 (1)		
		eLQ	13 01 45	LR	27	42.7 (2)		
		eLR	13 04 40	LZ	17	27.7 (2)		
		eL	13 06 05	LT	17	28.5 (2)		
		eL	13 06 05	LZ	20	23.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	13 06 05	LR	20	10.3 (2)		
						AVG.		5.33
13	13 12 55.6		14.1 N 93.1 W OFF CHIAPAS, MEXICO H =033 KM					
13	LC	eP	13 17 48.5	Z	0.8	18.3 (0)	22.0	4.52
13	FM	eP	13 19 06.0	Z	0.7	3.0 (0)	30.0	4.20
13	MN	eP	13 19 30.1	Z	1.0	20.7 (0)	33.0	4.98
		e	13 19 40	Z	1.4	39.4 (0)		
13	WI	eP	13 19 43.0	Z	0.6	13.1 (0)	34.0	5.00
						AVG.		4.68
13	14 07 46.8		19.5 S 169.3 E NEW HEBRIDES IS. REGION H =163 KM MAG 5.60- CGS					
13	MV	eP	14 20 16.0	Z	1.1	11.7 (1)	87.0	5.70
13	MN	eP	14 20 24.9	Z	1.2	12.4 (1)	89.0	5.78
		e	14 20 29	Z	1.5	10.3 (1)		
		e	14 20 33	Z	1.0	18.6 (0)		
13	WI	eP	14 20 32.0	Z	999.9	99.9 (9)	91.0	
13	FM	eP	14 20 46.5	Z	1.0	15.2 (0)	94.0	5.19
13	LC	eP	14 20 54.5	Z	1.5	37.2 (0)	95.0	5.46
						AVG.		5.53
13	17 35 46.*		05.5 S 154.6 E SOLOMON ISLANDS REGION H =386 KM MAG 5.10- CGS					
13	17 50 20.4		61.1 N 150.8 W KENAI PERIN REG., ALASKA H =093 KM MAG 4.50- CGS					
13	18 03 04.4		20.6 S 70.7 W NEAR COAST OF N. CHILE H =033 KM					
13	FM	eP	18 14 24.5	Z	1.0	6.0 (0)	71.0	4.58
		e	18 14 34	Z	1.2	23.4 (0)		
13	DH	eP	20 30 58.8	Z	0.5	11.9 (0)	1.5	
		eS	20 31 22	R	0.5	34.0 (0)		
13	LC	eP	20 45 49.0	Z	0.5	8.5 (0)	1.3	
		eS	20 46 07	T	0.6	18.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	MN	eP	21 29 10.1	Z	0.5	3.1 (0)	2.8	
		eS	21 29 46	R	0.5	9.0 (0)		
13	22 48 10.3		06.0 S 150.1 E NEW BRITAIN REGION H =094 KM					
14	CP	eP	03 58 36.4	Z	0.3	10.7 (0)	0.8	
		eS	03 58 46	R	0.4	10.5 (0)		
14	CP	eP	04 54 40.2	Z	999.9	99.9 (9)		
14	CP	eP	05 14 11.5	Z	0.2	4.7 (0)	0.8	
		eS	05 14 23	R	0.2	6.6 (0)		
14	08 05 30.5		10.0 N 62.0 W NEAR VENEZUELA H =053 KM					
14	MN	eP	10 00 05.3	Z	0.3	5.6 (0)	1.4	
14	WI	eP	10 00 16.2	Z	0.3	2.0 (0)	1.6	
14	MN	eS	10 00 21	R	0.4	7.3 (0)	1.4	
14	WI	eS	10 00 39	R	0.2	6.3 (0)	1.6	
14	11 23 00.*		00.2 N 80.1 W NEAR COAST OF ECUADOR H =033 KM MAG 4.50- CGS					
14	FM	eP	13 02 44.5	Z	0.3	4.0 (0)		
14	CP	eP	13 35 55.0	Z	999.9	99.9 (9)		
14	MN	eP	13 37 42.5	Z	0.5	0.8 (0)		
14	MN	eL	13 39 17	R	0.8	6.2 (0)		
14	13 50 40.9		57.3 N 154.2 W KODIAK ISLAND, ALASKA H =037 KM MAG 4.60- CGS					
14	15 06 46.1		05.6 S 127.8 E BANDA SEA H =405 KM MAG 5.30- CGS					
14	CP	eP	17 19 40.3	Z	0.3	6.6 (0)	0.8	
		eS	17 19 54	T	0.4	10.8 (0)		
14	17 56 15.1		30.2 S 177.7 W KERMADEC ISLANDS H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	MN	eP	18 20 02.2	Z	0.2	1.5 (0)	1.5	
		eS	18 20 18	R	0.3	8.4 (0)		
14	DH	eP	18 33 59.0	Z	0.4	48.8 (0)	1.7	
		eS	18 34 23	R	0.3	96.0 (0)		
14	LC	eP	19 51 12.2	Z	0.3	2.2 (0)	2.3	
		eS	19 51 42	T	0.4	1.7 (0)		
14	LC	eP	20 12 25.7	Z	0.2	19.6 (0)	1.6	
		eS	20 12 46	R	0.5	16.9 (0)		
14	CP	eP	20 19 56.0	Z	0.2	1.3 (0)	1.1	
		eS	20 20 11	T	999.9	99.9 (9)		
14	MN	eP	20 24 35.5	Z	0.3	0.5 (0)	0.8	
		eS	20 24 46	R	0.4	1.6 (0)		
14	CP	eP	21 03 58.7	Z	0.3	6.6 (0)	1.0	
		eS	21 04 02	R	0.3	10.9 (0)		

14 23 14 47.0 04.1 S 152.8 E NEW BRITAIN
H =058 KM MAG 4.80- CGS

15 02 17 53.0 45.8 S 74.8 W NEAR COAST OF S. CHILE
H =033 KM

15 02 52 39.7 03.4 S 146.8 E BISMARK SEA
H =033 KM MAG 5.70- CGS

15	MN	eP	03 06 03.5	Z	1.0	2.3 (0)	96.0	4.67
		ePS	03 18 37	LT	21	37.8 (1)		
		eSS	03 24 07	LR	23	69.3 (1)		
		eLR	03 36 07	LZ	27	22.3 (2)		
		eL	03 41 44	LZ	19	25.2 (2)		
		eL	03 41 44	LR	20	11.5 (2)		
		eL	03 41 44	LT	19	14.9 (2)		
15	WI	eP	03 06 05.0	Z	999.9	99.9 (9)	97.0	
		eLQ	03 32 27	LR	33	85.0 (1)		
		eLR	03 36 28	LZ	27	24.2 (2)		
		eL	03 39 07	LZ	25	22.9 (2)		
		eL	03 39 07	LR	25	71.4 (1)		
		eL	03 39 07	LT	24	20.5 (2)		
15	LC	ePS	03 20 43	LR	20	31.0 (1)	106.0	
		eSS	03 26 34	LR	28	48.0 (1)		
		eLR	03 40 55	LZ	28	12.5 (2)		
		eL	03 44 18	LZ	24	12.4 (2)		
		eL	03 44 18	LR	24	11.3 (2)		
		eL	03 44 18	LT	24	44.2 (1)		
15	NG	eSP	03 22 15	LZ	17	49.9 (1)	116.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	03 28 40	LT	23	35.1 (1)		
		eLQ	03 41 53	LR	33	57.1 (1)		
		eLR	03 46 53	LZ	28	77.5 (1)		
		eL	03 51 40	LZ	22	16.2 (2)		
		eL	03 51 40	LR	22	11.7 (2)		
		eL	03 51 40	LT	22	52.7 (1)		
15	MV	eLR	03 35 00	LZ	25	23.7 (2)	94.0	
		eL	03 37 30	LZ	24	27.4 (2)		
		eL	03 37 30	LR	24	17.6 (2)		
		eL	03 37 30	LT	22	15.4 (2)		
15	CP	eLR	03 36 54	LZ	25	16.2 (2)	98.0	
15	FM	eLR	03 39 04	LZ	25	16.4 (2)	101.0	
		eL	03 42 35	LZ	23	21.6 (2)		
		eL	03 42 35	LT	21	15.5 (2)		
		eL	03 42 35	LR	22	95.9 (1)		
15	SJ	eLR	03 45 10	LR	29	25.5 (2)	114.0	
		eL	03 49 42	LZ	22	15.4 (2)		
		eL	03 49 42	LR	21	29.0 (2)		
		eL	03 49 42	LT	20	23.8 (2)		
15	DH	eLR	03 53 50	LZ	27	14.6 (2)	126.0	

15 06 35 24.8 38.5 N 75.5 E HINDU KUSH REGION
H =033 KM MAG 4.40- CGS

15	CP	eP	07 26 04.7	Z	0.3	2.0 (0)	0.8	
		eS	07 26 16	T	0.3	12.0 (0)		
15	MV	eP	10 39 25.6	Z	0.3	2.9 (0)	2.6	
15	MN	eP	10 39 36.2	Z	0.3	1.6 (0)	3.2	
15	MV	eS	10 39 59	R	0.4	9.1 (0)	2.6	
15	MN	eS	10 40 16	R	0.5	7.8 (0)	3.2	

15 11 15 39.5 41.8 N 20.2 E ALBANIA
H =033 KM MAG 4.40- CGS

15	WI	eP	11 28 32.6	Z	0.7	1.6 (0)	89.0	4.34
15	MV	eP	11 46 35.0	Z	0.3	4.1 (0)	1.1	
		eS	11 46 49	R	0.4	5.1 (0)		

15 12 08 08.8 38.0 N 26.4 W AZORES REGION
H =033 KM MAG 5.30- CGS

15	NG	eP	12 16 33.2	Z	0.9	11.4 (0)	46.0	4.83

			IME	INST	PER	AMPL	DIST	MAG
		eS	12 23 15	LR	17	44.4 (1)		
		eS	12 23 15	LT	19	15.2 (1)		
		eLQ	12 28 17	LT	26	54.1 (1)		
		eLR	12 31 40	LZ	24	13.7 (2)		
		eL	12 33 53	LZ	20	14.9 (2)		
		eL	12 33 53	LR	20	97.5 (1)		
		eL	12 33 53	LT	21	45.8 (1)		
15	LC	eP	12 18 40.3	Z	999.9	99.9 (9)	64.0	
		eL	12 38 50	LZ	27	31.6 (1)		
15	FM	eP	12 18 44.6	Z	999.9	99.9 (9)	64.0	
		eL	12 37 48	LT	35	76.9 (1)		
15	WI	eP	12 19 00.1	Z	999.9	99.9 (9)	67.0	
		eL	12 39 52	LR	29	36.2 (1)		
15	MN	eP	12 19 10.3	Z	1.3	6.0 (0)	69.0	4.53
		e	12 19 17	Z	1.4	16.9 (0)		
		eL	12 40 40	LR	22	43.1 (1)		
							AVG.	4.68
15	CP	eP	13 41 21.2	Z	0.3	3.0 (0)	3.5	
		eS	13 41 27	T	0.5	12.7 (0)		

15 15 32 11.3 24.1 N 122.8 E OFF E. COAST OF FORMOSA
H =033 KM MAG 5.60- CGS

15	DH	eP	17 52 41.2	Z	0.3	14.4 (0)	1.9	
		eS	17 53 06	R	0.4	57.1 (0)		
15	LC	eP	19 35 56.7	Z	0.3	0.8 (0)	2.9	
		e	19 36 02	Z	0.3	1.7 (0)		
		eS	19 36 34	T	0.4	3.5 (0)		
15	SJ	eL	19 46 10	LT	23	17.9 (2)		
15	LC	eP	20 37 09.8	Z	0.3	12.9 (0)	1.4	
		eS	20 37 27	T	0.4	3.5 (0)		
15	SJ	eL	20 45 28	LR	25	22.8 (2)		
15	LC	e	20 45 40	LR	23	66.9 (1)		
15	LC	eL	20 46 46	LR	21	17.0 (2)		
15	CP	eL	20 48 22	LZ	21	18.5 (2)		
15	FM	eL	20 50 10	LR	25	64.4 (1)		
15	MV	eL	20 52 12	LZ	27	55.2 (1)		
15	MN	eL	20 52 20	LZ	20	72.7 (1)		
15	WI	eL	20 54 47	LZ	15	71.8 (1)		
15	NG	e	20 55 45	LT	24	45.5 (1)		
15	NG	eL	20 58 30	LZ	16	13.5 (2)		
15	CP	eP	22 29 40.1	Z	0.3	3.5 (0)	3.6	
		eS	22 29 46	T	0.4	13.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

16 01 28 04.7 22.6 S 171.6 E NEW HEBRIDES REGION
H =079 KM MAG 4.80- CGS

16	MV	eP	03 31 18.8	Z	0.2	28.1 (0)	0.6	
		eS	03 31 28	R	0.3	7.3 (0)		
16	MN	eP	06 10 13.7	Z	0.3	2.6 (0)	1.5	
		eS	06 10 32	R	0.4	1.9 (0)		
16	MN	eP	07 35 11.0	Z	0.4	9.2 (0)	1.1	
16	WI	eP	07 35 19.2	Z	0.4	2.7 (0)	2.8	
16	MN	eS	07 35 25	R	0.3	6.8 (0)	1.1	
16	FM	eP	07 35 44.2	Z	0.4	11.6 (0)	1.7	
16	WI	eS	07 35 49	R	999.9	99.9 (9)	2.8	
16	FM	eS	07 36 07	R	0.3	36.8 (0)	1.7	

16 09 01 22.* 30.0 S 177.2 W KERMADEC ISLANDS
H =053 KM

16 15 52 18.4 00.8 S 128.5 E HALMAHERA REGION
H =050 KM MAG 4.40- CGS

16	MV	eLR	16 40 31	LZ	27	28.0 (1)	106.0	
16	CP	eL	16 43 53	LZ	25	88.0 (1)	111.0	
16	LC	eLR	16 47 16	LZ	28	29.1 (1)	119.0	
		eL	16 53 27	LR	22	74.4 (1)		
		eL	16 53 27	LT	21	16.7 (1)		
		eL	16 53 27	LZ	21	85.3 (1)		
16	NG	eLQ	16 49 44	LR	27	28.7 (1)	125.0	
		eLR	16 55 12	LZ	26	40.8 (1)		
		eL	16 56 47	LT	25	60.4 (1)		
		eL	16 56 47	LR	25	33.7 (1)		
		eL	16 56 47	LZ	25	57.5 (1)		
16	SJ	eL	16 53 58	LR	25	15.7 (2)	128.0	
		eL	16 56 15	LR	23	28.6 (2)		
		eL	16 56 15	LT	23	12.3 (2)		
		eL	16 56 15	LZ	24	12.8 (2)		
16	DH	eLR	17 01 53	LZ	23	67.5 (1)	134.0	
		eL	17 06 35	LT	23	58.7 (1)		
		eL	17 06 35	LR	23	30.7 (1)		
		eL	17 06 35	LZ	23	77.2 (1)		

16 16 17 59.8 01.0 S 128.8 E HALMAHERA REGION
H =033 KM MAG 4.30- CGS

16	WI	eLR	16 42 35	LZ	27	55.6 (1)	108.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
			ME					
		eL	16 46 30	LZ	23	13.6 (2)		
		eL	16 46 30	LR	24	32.0 (1)		
		eL	16 46 30	LT	23	10.3 (2)		
16	CP	eP	16 21 53.5	Z	0.2	18.6 (0)	2.1	
		eS	16 22 21	R	0.2	99.9 (9)		
16	CP	eP	18 03 31.5	Z	0.3	1.5 (0)	0.2	
		eS	18 03 36	R	0.2	7.9 (0)		
16	19 20 05.7		17.6 S 178.7 W FIJI ISLANDS REGION H =510 KM MAG 4.80- CGS					
16	MN	eP	19 31 19.5	Z	0.4	5.0 (0)	80.0	4.30
16	WI	eP	19 31 30.4	Z	0.5	7.7 (0)	82.0	4.49
16	LC	eP	19 31 47.3	Z	0.9	6.7 (0)	85.0	4.27
							AVG.	4.35
16	20 42 33.5		16.8 N 99.0 W GUERREO, MEXICO H =033 KM					
16	LC	eP	20 46 31.4	Z	0.6	1.0 (0)	17.0	3.17
		eLQ	20 51 26	LT	25	33.1 (1)		
16	FM	eP	20 47 56.8	Z	999.9	99.9 (9)	25.0	
		eS	20 53 31	LR	27	10.0 (2)		
		eLQ	20 59 06	LR	23	54.3 (1)		
		eLR	21 01 30	LZ	16	54.3 (1)		
16	MN	eP	20 48 16.7	Z	0.9	3.7 (0)	27.0	4.05
		eLQ	20 59 05	LT	27	16.6 (2)		
		eLR	21 00 35	LZ	20	26.8 (1)		
16	WI	eP	20 48 33.1	Z	0.7	3.4 (0)	29.0	4.22
		eLQ	21 01 20	LT	19	86.0 (1)		
		eLR	21 05 02	LZ	14	22.8 (2)		
		eL	21 05 23	LZ	15	20.1 (2)		
		eL	21 05 23	LR	15	19.8 (2)		
		eL	21 05 23	LT	15	71.8 (1)		
16	SJ	eLR	20 49 58	LR	28	22.7 (2)	11.0	
		eL	20 53 23	LZ	15	83.1 (1)		
		eL	20 53 23	LR	23	31.9 (2)		
		eL	20 53 23	LT	18	12.1 (2)		
16	MV	eLQ	21 00 00	LT	28	10.2 (2)	30.0	
		eL	21 01 56	LZ	28	28.9 (1)		
		eL	21 01 56	LR	20	51.5 (1)		
16	CP	eLR	21 00 15	LT	23	11.8 (2)		
				LZ	18	66.9 (1)	22.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	3.81
16	LC	eP	20 47 08.0	Z	0.9	14.4 (0)		
16	LC	eP	20 47 16.0	Z	0.5	8.4 (0)		
16	FM	eP	20 48 33.5	Z	0.7	4.2 (0)		
16	MN	eP	20 48 49.1	Z	0.9	8.7 (0)		
16	MN	eP	20 48 57.5	Z	1.0	21.1 (0)		
16	WI	eP	20 49 02.5	Z	0.7	10.2 (0)		
16	WI	eP	20 49 10.8	Z	0.8	21.6 (0)		
16	22 05 53.4		41.6 N 142.0 E SOUTH OF HOKKAIDO, JAPAN H =065 KM MAG 5.00- CGS					
16	CP	eP	22 25 51.6	Z	0.3	1.5 (0)	0.2	
		eS	22 25 56	R	0.3	4.4 (0)		
16	23 37 26.*		43.9 N 147.1 E KURILE ISLANDS REGION H =033 KM MAG 4.20- CGS					
17	04 06 36.2		45.3 N 150.8 E KURILE ISLANDS REGION H =033 KM MAG 5.90- CGS					
17	06 09 18.2		15.7 N 120.1 E NEAR W. COAST LUZON, P. I. H =080 KM MAG 5.50- CGS					
17	WI	eSKS	06 33 47	LR	17	25.4 (1)	102.0	
		eLQ	06 52 27	LR	27	62.9 (1)		
		eLR	06 57 05	LZ	25	90.2 (1)		
		eL	07 00 48	LZ	24	12.9 (2)		
		eL	07 00 48	LR	23	39.5 (1)		
		eL	07 00 48	LT	24	10.1 (2)		
17	NG	ePS	06 38 15	LT	24	38.0 (1)	114.0	
		eSS	06 44 28	LT	999.9	99.9 (9)		
		eLQ	07 02 27	LR	36	69.0 (1)		
		eLR	07 05 10	LZ	34	19.5 (2)		
17	LC	eSP	06 38 24	LZ	20	64.1 (1)	115.0	
		ePKKP	06 38 37	Z	1.0	11.2 (0)		
		eSS	06 44 40	LT	24	26.5 (1)		
		eLQ	06 57 43	LT	28	34.9 (1)		
		eLR	07 07 57	LZ	36	82.6 (1)		
17	MN	eSS	06 42 22	LT	22	31.3 (1)	103.0	
		eLQ	06 53 02	LT	33	83.4 (1)		
		eLR	06 57 18	LZ	27	14.4 (2)		
17	MV	eLR	06 56 10	LZ	30	18.0 (2)	101.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	FM	eLR	06 59 22	LZ	28	10.0 (2)	107.0	
17	SJ	eLQ	07 03 25	LT	29	11.6 (2)	123.0	
		eLR	07 07 27	LR	29	94.1 (1)		
17	07 33 17.5		31.0 S 179.8 W KERMADEC ISLANDS REGION					
			H =358 KM MAG 4.70- CGS					
17	CP	eP	07 45 26.2	Z	1.2	38.4 (0)	87.0	5.14
17	WI	eP	07 45 47.8	Z	1.0	4.5 (0)	92.0	4.35
17	LC	eP	07 45 55.3	Z	999.9	99.9 (9)	94.0	
						AVG.		4.75
17	CP	eP	08 14 28.3	Z	0.3	35.7 (0)	0.6	
		eS	08 14 37	R	0.4	57.4 (0)		
17	10 34 54.8		32.3 N 140.7 E SOUTH OF HONSHU, JAPAN					
			H =115 KM MAG 4.20- CGS					
17	12 09 05.6		41.7 N 141.9 E SOUTH OF HOKKAIDO, JAPAN					
			H =047 KM MAG 4.80- CGS					
17	WI	eP	12 20 18.1	Z	999.9	99.9 (9)	71.0	
		e	12 20 36	Z	999.9	99.9 (9)		
		eS	12 29 32	LT	21	39.9 (1)		
		eLQ	12 37 32	LT	24	32.2 (1)		
		eLR	12 42 40	LZ	25	39.3 (1)		
		eL	12 46 35	LZ	22	62.8 (1)		
		eL	12 46 35	LT	22	64.7 (1)		
17	CP	eP	12 20 52.6	Z	999.9	99.9 (9)	77.0	
		e	12 21 11	Z	999.9	99.9 (9)		
		eL	12 45 00	LZ	25	97.1 (1)		
17	LC	eP	12 21 27.3	Z	1.1	3.0 (0)	83.0	4.30
		eP	12 21 28	LZ	18	21.8 (1)		
		e	12 21 45	Z	1.2	15.3 (0)		
		e	12 31 43	LR	22	28.0 (1)		
		eSS	12 37 25	LR	23	20.3 (1)		
		eSSS	12 40 55	LR	26	36.6 (1)		
		eLQ	12 43 35	LT	26	27.3 (1)		
		eLR	12 48 50	LZ	26	62.7 (1)		
17	MN	eS	12 29 43	LT	16	52.0 (1)	72.0	
		eLQ	12 37 56	LT	27	37.0 (1)		
		eLR	12 43 12	LZ	25	72.0 (1)		
17	MV	eLR	12 41 55	LZ	28	96.4 (1)	70.0	
17	FM	eLR	12 44 54	LZ	25	45.4 (1)	75.0	
17	DH	eLR	12 53 10	LZ	32	98.1 (1)	90.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	SJ	eLR	12 53 28	LZ	23	40.4 (1)	91.0	
17	14 11 01.5		14.1 S 74.2 W SOUTHERN PERU					
			H =051 KM MAG 5.10- CGS					
17	LC	eP	14 20 35.8	Z	999.9	99.9 (9)	56.0	
		epP	14 21 02	Z	0.9	2.8 (0)		
17	DH	eP	14 20 37.3	Z	0.8	23.8 (0)	56.0	5.27
17	WI	eP	14 21 58.9	Z	0.8	2.0 (0)	68.0	4.19
							AVG.	4.73
17	CP	eP	17 00 00.0	Z	0.3	2.5 (0)	2.2	
		eS	17 00 29	R	0.4	6.2 (0)		
17	DH	eP	19 21 50.8	Z	0.3	14.4 (0)	2.0	
		eS	19 22 17	R	0.5	21.0 (0)		
17	LC	eP	20 29 31.5	Z	0.3	17.8 (0)	1.5	
		eS	20 29 50	R	0.4	5.9 (0)		
17	CP	eP	20 58 03.4	Z	0.3	15.3 (0)	0.1	
		eS	20 58 07	T	0.3	25.5 (0)		
17	21 31 12.*		00.8 S 128.8 E HALMAHERA REGION					
			H =231 KM MAG 4.70- CGS					
17	LC	eP	21 38 23.5	Z	0.3	1.3 (0)	2.9	
		e	21 38 28	Z	0.4	1.7 (0)		
		eS	21 39 00	T	0.5	4.0 (0)		
17	22 40 06.7		24.4 S 177.2 W TONGA ISLANDS REGION					
			H =070 KM MAG 5.90- CGS					
17	CP	eP	22 52 17.2	Z	1.2	54.9 (0)	81.0	5.32
17	MV	eP	22 52 21.2	Z	1.3	40.2 (0)	82.0	5.18
17	WI	eP	22 52 39.5	Z	1.2	8.6 (0)	86.0	4.61
		e	22 55 59	Z	1.3	6.5 (0)		
17	FM	eP	22 52 49.4	Z	1.3	41.5 (0)	88.0	5.39
17	LC	eP	22 52 50.3	Z	1.3	62.5 (0)	88.0	5.57
		e	22 53 23	Z	1.2	23.0 (0)		
		eSKS	23 03 25	LR	22	43.4 (1)		
		eSS	23 09 17	LR	23	25.4 (1)		
		eLR	23 23 00	LZ	20	21.3 (1)		
							AVG.	5.21

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17			23 04 58.* 13.5 N 142.5 E MARIANA ISLANDS REGION					
			H =163 KM MAG 4.30- CGS					
17			23 36 42.* 63.5 N 148.5 W ALASKA					
			H =033 KM					
18	MN	eP	01 06 53.5	Z	0.4	1.0 (0)	3.4	
		e	01 07 01	Z	0.4	3.5 (0)		
18	CP	eP	01 07 11.8	Z	0.4	1.9 (0)	5.0	
		e	01 07 23	Z	0.4	2.4 (0)		
18	MN	eS	01 07 35	R	0.5	13.1 (0)	3.4	
18	WI	eP	01 07 44.3	Z	0.3	2.0 (0)	5.9	
18	CP	eS	01 08 13	R	0.5	1.5 (0)	5.0	
18	WI	eS	01 08 48	R	0.5	17.9 (0)	5.9	
18			04 04 24.3 29.6 S 68.3 W LARIOJA PROV., ARGENTINA					
			H =030 KM					
18	LC	eP	04 15 44.5	Z	1.0	12.5 (0)	72.0	4.90
18	CP	eP	04 16 16.3	Z	0.7	2.8 (0)	77.0	4.41
18	FM	eP	04 16 31.8	Z	0.9	8.6 (0)	80.0	4.65
18	MN	eP	04 16 44.1	Z	1.0	3.1 (0)	82.0	4.31
18	WI	eP	04 16 52.9	Z	1.0	3.4 (0)	84.0	4.44
							AVG.	4.54
18	LC	eP	04 27 47.9	Z	999.9	99.9 (9)		
18	WI	eP	04 28 50.3	Z	0.8	2.7 (0)		
18			05 33 25.0 29.6 S 68.5 W LARIOJA PROV., ARGENTINA					
			H =029 KM					
18	SJ	eP	05 43 56.8	Z	1.0	33.3 (0)	64.0	5.43
		eP	05 43 57	LZ	13	10.0 (2)		
		eS	05 52 33	LT	18	22.8 (2)		
		eS	05 52 33	LR	21	13.8 (2)		
		eSCS	05 53 50	LT	19	10.5 (2)		
		eLR	06 05 18	LR	23	26.3 (2)		
		eL	06 13 22	LZ	22	49.9 (1)		
		eL	06 13 22	LR	21	33.3 (2)		
		eL	06 13 22	LT	22	13.1 (2)		
18	LC	eP	05 44 44.9	Z	1.2	26.9 (0)	71.0	5.16
		eP	05 44 45	LZ	16	33.8 (1)		
		eP AS	05 44 53.8	Z	1.2	69.2 (0)		5.57
		eS	05 54 07	LT	19	10.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	05 54 07	LR	19	22.2 (1)		
		eSCS	05 55 00	LR	20	69.5 (1)		
		eLQ	06 06 00	LR	27	48.9 (1)		
		eLR	06 10 12	LZ	22	17.0 (2)		
		eL	06 10 44	LZ	20	18.9 (2)		
		eL	06 10 44	LR	20	11.8 (2)		
		eL	06 10 44	LT	20	11.5 (2)		
18	DH	eP	05 44 47.0	Z	999.9	99.9 (9)	72.0	
		eL	06 14 20	LZ	24	20.6 (2)		
18	NG	eP	05 45 16.8	Z	999.9	99.9 (9)	77.0	
		eS	05 55 03	LR	19	82.7 (1)		
		eSS	06 00 09	LR	20	41.7 (1)		
		eL	06 05 32	LR	24	34.5 (1)		
18	CP	eP	05 45 16.8	Z	999.9	99.9 (9)	77.0	
		eP AS	05 45 25.2	Z	1.1	24.7 (0)		5.16
		eLR	06 11 45	LZ	22	17.5 (2)		
18	FM	eP	05 45 32.4	Z	1.2	21.7 (0)	80.0	4.92
		eP AS	05 45 41.0	Z	1.2	69.5 (0)		5.43
		eS	05 55 44	LR	18	76.8 (1)		
		eS	05 55 44	LT	17	78.9 (1)		
		ePS	05 56 32	LT	15	64.4 (1)		
		eSS	06 01 34	LT	22	41.0 (1)		
		eLQ	06 09 17	LR	28	74.3 (1)		
		eLR	06 14 05	LZ	23	14.2 (2)		
		eL	06 16 57	LZ	20	23.1 (2)		
		eL	06 16 57	LR	18	67.9 (1)		
		eL	06 16 57	LT	19	28.3 (2)		
18	MN	eP	05 45 44.4	Z	1.2	8.5 (0)	82.0	4.66
		eP AS	05 45 53.4	Z	1.3	57.9 (0)		5.46
		eS	05 56 07	LT	24	61.8 (1)		
		eSS	06 01 34	LT	18	34.5 (1)		
		eLQ	06 08 10	LT	22	70.2 (1)		
		eLR	06 13 55	LZ	23	75.4 (1)		
		eL	06 15 06	LZ	22	73.7 (1)		
		eL	06 15 06	LR	23	40.9 (1)		
		eL	06 15 06	LT	23	78.2 (1)		
18	WI	eP	05 45 53.4	Z	1.0	8.0 (0)	84.0	4.81
		eP	05 45 55	LZ	13	45.4 (1)		
		eP AS	05 46 02.2	Z	1.2	38.7 (0)		5.42
		e	05 56 23	LR	18	52.9 (1)		
		eSS	06 02 23	LR	24	39.8 (1)		
		eLQ	06 09 07	LR	24	42.3 (1)		
		eLR	06 15 15	LZ	23	12.0 (2)		
		eL	06 18 20	LZ	23	16.0 (2)		
		eL	06 18 20	LR	22	14.5 (2)		
		eL	06 18 20	LT	22	99.6 (1)		
18	MV	eLR	06 15 22	LZ	22	64.7 (1)	84.0	
							AS .	5.41
							AVG.	4.99
18	MN	eP	07 34 27.7	Z	0.2	14.3 (0)	1.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	WI	eP	07 34 35.5	Z	0.3	1.6 (0)	2.1	
		e	07 34 41	Z	0.4	5.5 (0)		
18	MN	eS	07 34 44	R	0.4	17.2 (0)	1.3	
18	WI	eS	07 35 03	R	999.9	99.9 (9)	2.1	
18	MN	eP	11 16 21.2	Z	999.9	99.9 (9)		
18	WI	eP	11 16 41.0	Z	999.9	99.9 (9)		
18	MN	eP	11 49 48.6	Z	0.3	7.9 (0)	0.1	
		eS	11 49 52	R	0.3	10.4 (0)		
18	FM	eP	11 55 55.8	Z	0.3	3.0 (0)	1.7	
		eS	11 56 19	T	0.4	6.8 (0)		
18	12 20 31.9		08.2 S 115.6 E BALI H =039 KM MAG 5.90- CGS					
18	WI	eP'	12 39 25.1	Z	0.8	3.3 (0)	123.0	
		ePKKP	12 49 20	Z	1.0	4.5 (0)		
		eSS	12 57 55	LR	20	45.2 (1)		
		eSSS	13 02 22	LR	23	62.4 (1)		
		eLR	13 13 57	LZ	22	27.9 (1)		
18	MN	eP'	12 39 26.3	Z	0.8	1.8 (0)	123.0	
		eSS	12 57 52	LT	22	62.0 (1)		
		eSSS	13 02 36	LT	25	42.2 (1)		
		eLQ	13 09 57	LT	22	29.3 (1)		
		eLR	13 19 28	LZ	27	64.0 (1)		
		eL	13 27 00	LZ	21	89.0 (1)		
		eL	13 27 00	LR	21	67.0 (1)		
		eL	13 27 00	LT	21	55.6 (1)		
18	CP	eP'	12 39 32.8	Z	0.8	3.3 (0)	126.0	
		eL	13 23 37	LZ	20	78.5 (1)		
18	FM	eP'	12 39 34.6	Z	999.9	99.9 (9)	127.0	
		eSS	12 58 48	LT	23	43.5 (1)		
		eSSS	13 03 30	LT	18	33.1 (1)		
		eLR	13 23 36	LZ	24	63.0 (1)		
18	LC	eP'	12 39 47.3	Z	0.8	2.2 (0)	134.0	
		eSKP	12 43 14	Z	0.9	5.7 (0)		
		e	12 43 20	LZ	18	31.2 (1)		
		eSS	13 00 15	LT	22	74.9 (1)		
		eSSS	13 05 05	LT	20	37.6 (1)		
		eLQ	13 15 23	LT	27	42.4 (1)		
		eLR	13 25 45	LZ	21	32.0 (1)		
18	DH	eP'	12 40 04.3	Z	0.9	23.6 (0)	145.0	
18	NG	ePP	12 43 10	LZ	21		137.0	
		eSS	13 00 51	LR	19	56.4 (1)		
		eSSS	13 05 45	LR	19	52.6 (1)		
		eLR	13 31 18	LZ	29	74.8 (1)		
18	MV	eL	13 17 35	LZ	28	70.9 (1)	121.0	
18	SJ	eLR	13 32 30	LR	24	29.4 (2)	143.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	13 03 35.8		08.2 S 115.7 E BALI H =068 KM					
18	WI	eP'	13 22 25.3	Z	999.9	99.9 (9)	123.0	
18	MN	eP'	13 22 26.3	Z	1.0	1.5 (0)	123.0	
18	LC	eP'	13 22 48.3	Z	999.9	99.9 (9)	134.0	
18	CP	eP	13 41 25.8	Z	0.2	6.1 (0)	9.2	
		eS	13 41 35	R	0.3	32.2 (0)		
18	CP	eP	14 10 51.0	Z	0.3	13.3 (0)	0.8	
		eS	14 11 02	R	0.4	42.8 (0)		
18	14 51 14.4		16.6 S 173.1 W TONGA ISLANDS H =033 KM MAG 4.80- CGS					
18	MN	eP	15 02 55.5	Z	1.2	7.3 (0)	75.0	4.51
		e	15 03 05	Z	1.3	6.0 (0)		
		eL	15 26 08	LZ	22	20.8 (1)		
18	WI	eP	15 03 07.6	Z	999.9	99.9 (9)	77.0	
18	LC	eP	15 03 23.7	Z	1.0	2.5 (0)	80.0	4.06
							AVG.	4.29
18	16 32 38.4		11.5 S 163.0 E SOLOMON ISLANDS REGION H =033 KM MAG 4.20- CGS					
18	16 43 12.3		16.0 N 119.5 E NEAR COAST OF LUZON, P. I. H =047 KM MAG 5.00- CGS					
18	NG	eP	17 09 37.7	Z	999.9	99.9 (9)	3.8	
		eS	17 10 24	T	0.4	22.3 (0)		
18	NG	eP	19 29 39.2	Z	0.3	7.1 (0)	0.1	
		eS	19 29 43	T	0.4	35.1 (0)		
18	20 58 52.5		35.7 N 115.1 W SOUTHERN NEVADA H =033 KM					
18	CP	eP	20 59 51.1	Z	0.3	1.0 (0)	3.1	3.33
		eL	21 00 46	T	0.5	12.0 (0)		
18	MN	eP	20 59 51.7	Z	0.4	2.1 (0)	3.7	3.53

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	21 00 00	Z	0.7	8.6 (0)		
		eL	21 00 51	R	0.7	27.0 (0)		
18	FM	eP	21 00 05.2	Z	0.3	2.0 (0)	4.2	3.92
		eL	21 00 53	R	0.5	6.0 (0)		
18	WI	eP	21 00 18.4	Z	999.9	99.9 (9)	5.9	
		e	21 00 43	Z	0.4	6.3 (0)		
		eL	21 01 53	R	999.9	99.9 (9)		
18	LC	eP	21 01 16.4	Z	0.3	0.8 (0)	8.0	4.27
		eL	21 02 03	T	0.5	2.7 (0)		
						AVG.		3.76
18	FM	eP	22 25 28.2	Z	0.3	1.0 (0)	3.2	
		e	22 25 33	Z	0.4	4.8 (0)		
18	MN	eP	22 25 34.8	Z	0.2	1.1 (0)	3.1	
18	WI	eP	22 25 39.1	Z	0.2	1.0 (0)	3.5	
18	MN	e	22 25 42	Z	0.4	11.7 (0)	3.1	
18	WI	e	22 25 46	Z	0.4	7.4 (0)	3.5	
18	FM	eS	22 26 02	R	0.4	13.3 (0)	3.2	
18	MN	eS	22 26 14	R	0.5	9.4 (0)	3.1	
18	WI	eS	22 26 22	R	0.5	7.7 (0)	3.5	

18 23 16 16.9 41.0 N 142.0 E OFF E. COAST HONSHU, JAPAN
H =052 KM MAG 4.70- CGS

18 23 47 17.3 49.5 N 156.2 E KURILE ISLANDS REGION
H =070 KM MAG 5.50- CGS

19 01 03 04.1 46.5 S 75.1 W COAST OF SOUTH CHILE
H =033 KM MAG 6.50- CGS

19	SJ	eP	01 14 53.0	Z	2.0	81.9 (1)	77.0	6.41
		eP	01 14 55	LZ	13	16.7 (3)		
		eS	01 24 40	LT	999.9	99.9 (9)		
		eL	01 35 15	LT	999.9	99.9 (9)		
19	LC	eP	01 15 29.5	Z	2.7	10.4 (2)	84.0	6.49
		eP	01 15 31	LZ	18	44.4 (2)		
		ePP	01 18 40	LZ	20	17.6 (2)		
		eS	01 26 00	LT	999.9	99.9 (9)		
		eSS	01 31 20	LR	999.9	99.9 (9)		
		e	01 34 55	LR	999.9	99.9 (9)		
		eLQ	01 38 15	LR	999.9	99.9 (9)		
19	CP	eP	01 15 48.0	Z	0.7	21.3 (0)	87.0	5.41
		eP	01 15 50	LZ	17	48.4 (2)		
		ePP	01 19 20	LZ	15	26.6 (2)		
		ePPP	01 21 05	LZ	12	21.0 (2)		
		eS	01 26 25	LR	13	27.9 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	01 26 25	LT	21	99.9 (9)		
		eSS	01 32 30	LR	21	14.3 (3)		
		e	01 35 54	LR	22	67.6 (2)		
		eLQ	01 41 00	LR	25	52.2 (2)		
		eLR	01 44 00	LZ	999.9	99.9 (9)		
		eL	01 45 00	LR	22	99.9 (9)		
19	DH	eP	01 15 55.5	Z	2.0	79.2 (1)	88.0	6.59
		eP	01 15 56	LZ	20	40.4 (2)		
		ePP	01 19 22	LZ	20	46.2 (2)		
		eS	01 26 45	LR	21	14.8 (3)		
		eS	01 26 45	LT	22	19.5 (2)		
		ePS	01 27 30	LZ	20	55.9 (2)		
		eSS	01 32 25	LR	25	61.0 (2)		
		eLQ	01 38 50	LR	24	44.2 (2)		
		eLR	01 48 40	LZ	25	62.9 (2)		
		eL	01 56 50	LZ	25	12.2 (3)		
		eL	01 56 50	LR	21	74.2 (2)		
		eL	01 56 50	LT	22	50.8 (2)		
19	FM	eP	01 16 08.0	Z	999.9	99.9 (9)	92.0	
19	MN	eP	01 16 15.5	Z	2.5	29.6 (1)	93.0	6.24
		eP	01 16 16	LZ	17	20.1 (2)		
		ePP	01 20 03	Z	3.0	32.3 (1)		
		ePP	01 20 05	LZ	18	20.5 (2)		
		eSKS	01 26 50	LR	25	70.5 (1)		
		eSKS	01 26 56	R	5.0	57.5 (1)		
		eS	01 27 25	R	6.0	14.5 (2)		
		eS	01 27 25	T	3.0	66.3 (0)		
		eS	01 27 25	LR	20	99.9 (9)		
		eS	01 27 25	LT	18	23.4 (2)		
		ePS	01 28 45	LR	999.9	99.9 (9)		
		e	01 31 20	LZ	20	19.2 (2)		
		eSS	01 33 20	LT	16	99.9 (9)		
		ePKKP	01 33 30	Z	2.0	45.6 (0)		
		eSSS	01 37 15	LR	999.9	99.9 (9)		
		eLR	01 46 20	LZ	22	27.9 (2)		
19	NG	eP	01 16 15.5	Z	2.0	25.2 (1)	93.0	6.26
		eP	01 16 16	LZ	15	26.1 (2)		
		ePP	01 19 55	LZ	17	19.4 (2)		
		eS	01 27 20	LR	999.9	99.9 (9)		
		eS	01 27 20	LT	23	15.2 (2)		
		eSS	01 34 10	LT	25	28.2 (2)		
		eLQ	01 39 50	LR	24	42.0 (2)		
		eLR	01 49 20	LZ	25	56.1 (2)		
		eL	01 59 00	LZ	22	60.7 (2)		
		eL	01 59 00	LR	22	39.3 (2)		
		eL	01 59 00	LT	19	21.8 (2)		
19	WI	eP	01 16 25.5	Z	3.5	36.0 (1)	95.0	6.21
		eP	01 16 27	LZ	18	15.3 (2)		
		ePP	01 20 15	Z	2.5	18.0 (1)		
		ePP	01 20 20	LZ	15	26.3 (2)		
		eSKS	01 27 00	LT	17	90.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePS	01 29 03	R	5.0	12.5 (2)		
		ePPS	01 29 34	T	5.0	62.3 (1)		
		eLQ	01 40 00	LT	21	23.1 (2)		
						AVG.		6.23
19			04 33 36.*	17.0 N 100.0 W GUERRERO, MEXICO H =040 KM				
19	LC	eP	04 37 28.5	Z	1.0	17.2 (0)	16.0	4.17
19			08 10 21.*	44.4 N 111.1 W SOUTHWESTERN MONTANA H =033 KM				
19			08 20 36.5	15.5 S 167.8 E NEW HEBRIDES ISLANDS H =113 KM				
19			09 48 26.0	04.1 S 103.1 E OFF COAST OF SUMATRA H =096 KM				
19			10 00 04.6	46.0 N 14.7 E NORTHWESTERN YUGOSLAVIA H =033 KM MAG 4.90- CGS				
19			11 02 36.*	01.5 N 126.0 E MOLUCCA SEA H =106 KM				
19	MN	eP	16 14 37.5	Z	0.3	12.3 (0)	0.1	
		eS	16 14 40	R	0.4	29.9 (0)		
19			19 21 22.*	02.3 N 128.6 E HALMAHERA REGION H =166 KM MAG 4.30- CGS				
19	DH	eP	19 46 37.5	Z	0.3	60.4 (0)	1.2	
		eS	19 46 52	T	0.4	14.4 (1)		
19			21 35 49.6	23.8 N 45.9 W NORTH ATLANTIC OCEAN H =033 KM MAG 6.00- CGS				
19	DH	eP	21 42 05.0	Z	2.0	52.8 (1)	30.0	5.98
		eP	21 42 06	LZ	20	42.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	21 42 50	LZ	10	14.2 (3)		
		ePCP	21 45 07	Z	2.5	79.2 (1)		
		eS	21 47 05	LR	18	26.1 (3)		
		eS	21 47 05	LT	18	89.6 (2)		
		eL	21 48 25	LT	999.9	99.9 (9)		
19	NG	eP	21 43 27.0	Z	2.1	50.5 (1)	40.0	5.84
		eP	21 43 27	LZ	22	27.5 (2)		
		ePP	21 44 55	LZ	12	91.3 (2)		
		ePP	21 45 00	Z	1.7	23.1 (1)		
		eS	21 49 26	T	2.5	42.0 (1)		
		eS	21 49 26	R	999.9	99.9 (9)		
		eS	21 49 30	LR	999.9	99.9 (9)		
		eL	21 52 35	LR	999.9	99.9 (9)		
19	SJ	eP	21 44 22.5	Z	2.0	71.7 (1)	47.0	6.35
		eP	21 44 28	LZ	14	43.6 (1)		
		eS	21 51 10	LT	999.9	99.9 (9)		
19	LC	eP	21 45 10.0	Z	1.0	45.9 (0)	54.0	5.46
		eP	21 45 15	LZ	20	13.8 (2)		
		ePP	21 47 16	LZ	23	12.2 (2)		
		eS	21 52 45	LT	999.9	99.9 (9)		
		eL	21 56 20	LT	999.9	99.9 (9)		
19	FM	eP	21 45 37.5	Z	1.0	85.8 (0)	57.0	5.73
		e	21 45 58	Z	1.0	12.8 (1)		
		ePPP	21 49 39	Z	3.4	10.8 (2)		
19	MN	eP	21 46 00.5	Z	0.6	12.9 (0)	62.0	5.26
		eP	21 46 05	LZ	26	12.5 (2)		
		e	21 46 18	Z	1.0	54.7 (0)		
		ePCP	21 46 49	Z	2.0	23.9 (1)		
		ePP	21 48 20	LZ	19	71.9 (1)		
		ePPP	21 49 45	LZ	13	14.0 (2)		
		ePCS	21 50 48	LZ	15	15.9 (2)		
		eS	21 54 45	LT	999.9	99.9 (9)		
		eLQ	22 01 53	R	14.0	19.8 (0)		
		ePKKS	22 15 29	Z	2.3	13.2 (1)		
19	WI	eP	21 46 02.7	Z	999.9	99.9 (9)	62.0	
		eP	21 46 05	LZ	22	65.2 (1)		
		ePP	21 48 15	LZ	15	15.3 (2)		
		eS	21 54 18	R	3.5	23.6 (1)		
		eS	21 54 18	T	3.0	17.6 (1)		
		eS	21 54 20	LT	999.9	99.9 (9)		
19	CP	eP	21 46 11.5	Z	1.2	74.9 (0)	62.0	5.72
		eP	21 46 15	LZ	25	12.9 (2)		
		ePPP	21 50 02	Z	3.5	52.5 (1)		
		eS	21 54 36	LR	24	99.9 (9)		
		eL	22 01 00	LZ	19	63.5 (2)		
19	MV	eP	21 46 25.3	Z	0.8	32.1 (0)	64.0	5.50
		eP	21 46 26	LZ	27	11.1 (2)		
		ePP	21 48 50	LZ	25	69.9 (1)		
		ePCS	21 51 04	LR	21	70.4 (1)		
		eS	21 55 05	LT	28	11.0 (3)		
		eS	21 55 05	LR	24	99.9 (9)		

			TIME		INST	PER	AMPL	DIST	MAG
		eSS	21 59 00		LT	27	51.4 (2)		
		eLQ	22 02 25		LZ	26	99.9 (9)		
		eLR	22 05 00		LT	999.9	99.9 (9)		
							AVG.		5.73
19	23 31 25.7		17.8 S 69.4 W PERU CHILE BOLIVIA BORDER H =148 KM MAG 5.50- CGS						
19	MN	eP	23 42 37.0		Z	1.0	16.4 (0)	72.0	4.76
		e	23 43 11		Z	0.6	6.1 (0)		
		e	23 43 24		Z	0.7	6.3 (0)		
20	MN	eP	01 23 23.8		Z	0.3	6.6 (0)	0.1	
		eS	01 23 28		R	0.3	7.2 (0)		
20	01 35 32.7		08.3 N 83.0 W PANAMA COSTA RICA BORDER H =033 KM						
20	SJ	eP	01 40 50		LZ	13	12.0 (2)	24.0	
		ePP	01 41 25		LZ	12	74.4 (1)		
		eL	01 45 55		LR	999.9	99.9 (9)		
20	MN	eP	01 43 37.1		Z	0.6	4.0 (0)	44.0	4.33
20	02 39 59.0		40.3 S 75.6 N SOUTHERN CHILE H =033 KM						
20	02 43 16.3		08.3 N 83.0 W PANAMA COSTA RICA BORDER H =033 KM MAG 4.30- CGS						
20	CP	eP	03 15 49.5		Z	0.2	10.8 (0)	0.2	
		eS	03 15 54		T	999.9	99.9 (9)		
20	05 14 22.5		10.4 S 161.7 E SOLOMON ISLANDS REGION H =090 KM MAG 4.70- CGS						
20	09 08 04.1		19.1 N 121.3 E LUZON, PHILIPPINE ISLANDS H =050 KM MAG 4.70- CGS						
20	11 38 00.9		30.7 S 178.3 W KERMADEC ISLANDS REGION H =034 KM MAG 6.20- CGS						

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	CP	eP	11 50 40.2	Z	1.0	15.1 (1)	86.0	6.01
		eP	11 50 42	LZ	17	70.4 (2)		5.83
		eP AS	11 50 57.1	Z	1.0	10.1 (1)		
		ePP	11 54 07	Z	1.5	71.4 (0)		
		eS	12 01 05	LR	24	83.6 (2)		
		eS	12 01 05	LT	24	99.9 (9)		
		eSS	12 07 00	LT	21	47.7 (2)		
		ePKKP	12 08 39	Z	0.8	1.6 (0)		
		eP'P'	12 16 40	Z	999.9	99.9 (9)		
		eLR	12 16 56	LZ	999.9	99.9 (9)		
20	MV	eP	11 50 46.0	Z	1.2	99.9 (9)	87.0	
		eP	11 50 47	LZ	19	65.2 (2)		
		ePP	11 54 15	LZ	23	25.6 (2)		
		eS	12 01 13	LR	999.9	99.9 (9)		
		eS	12 01 13	LT	15	15.6 (3)		
		eSS	12 07 35	LT	20	55.4 (2)		
		eLR	12 17 10	LZ	28	99.9 (9)		
20	MN	eP	11 50 52.4	Z	1.0	92.5 (0)	89.0	5.93
		eP	11 50 54	LZ	999.9	99.9 (9)		5.64
		eP AS	11 51 08.8	Z	1.1	52.1 (0)		
		e	11 52 23	LZ	19	32.5 (2)		
		ePP	11 54 30	LZ	13	65.1 (2)		
		ePPP	11 57 25	LZ	17	15.0 (2)		
		e	12 01 10	LZ	15	24.8 (2)		
		ePKKP	12 08 33	Z	0.5	5.2 (0)		
		eP'P'	12 16 41	Z	0.8	6.7 (0)		
		eLR	12 17 40	LZ	23	99.9 (9)		
		eLR	12 19 33	Z	20.0	22.7 (3)		
20	WI	eP	11 51 03.5	Z	1.0	59.0 (0)	91.0	5.83
		eP AS	11 51 20.2	Z	999.9	99.9 (9)		
		ePKKP	12 08 27	Z	999.9	99.9 (9)		
		eP'P'	12 16 38	Z	0.9	2.5 (0)		
20	LC	eP	11 51 09.9	Z	1.2	71.1 (0)	92.0	5.87
		eP	11 51 10	LZ	20	51.8 (2)		5.94
		eP AS	11 51 25.7	Z	1.2	84.6 (0)		
		ePP	11 55 00	LZ	24	17.6 (2)		
		eS	12 01 46	LT	23	51.0 (2)		
		eS	12 01 46	LR	25	42.6 (2)		
		ePS	12 03 31	LR	999.9	99.9 (9)		
		ePKKP	12 08 25	Z	0.7	3.1 (0)		
		eSS	12 08 32	LR	999.9	99.9 (9)		
		eSSS	12 11 50	LT	21	99.9 (9)		
		eLQ	12 15 26	LR	28	99.9 (9)		
		eP'P'	12 16 34	Z	999.9	99.9 (9)		
		eLR	12 20 00	LZ	22	99.9 (9)		
20	FM	eP	11 51 11.9	Z	1.3	13.7 (1)	93.0	6.18
		eP	11 51 14	LZ	19	48.4 (2)		6.26
		eP AS	11 51 28.8	Z	1.1	13.7 (1)		
		ePP	11 54 54	LZ	20	23.1 (2)		
		e	12 01 45	LR	27	51.0 (2)		
		ePKKP	12 08 24	Z	0.5	3.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	12 16 11	LZ	24	47.0 (2)		
20	SJ	eP	11 51 26.7	Z	1.1	51.0 (0)	96.0	5.96
		eP	11 51 27	LZ	17	66.0 (2)		
		eP AS	11 51 43.6	Z	1.2	89.1 (0)		6.17
		ePP	11 55 17	Z	999.9	99.9 (9)		
		ePP	11 55 27	LZ	18	83.3 (2)		
		eS	12 01 52	LT	999.9	99.9 (9)		
		eS	12 01 52	LR	15	88.1 (2)		
		ePS	12 04 00	LT	999.9	99.9 (9)		
		eSS	12 08 21	LR	18	57.6 (2)		
		eSSS	12 13 05	LT	999.9	99.9 (9)		
		eLQ	12 16 03	LT	15	10.1 (3)		
		eLR	12 22 00	LZ	999.9	99.9 (9)		
20	NG	ePD	11 52 38.0	LZ	21	11.3 (2)	111.0	
		eP	11 56 32	Z	0.7	7.2 (0)		
		ePP	11 57 16	LZ	22	26.9 (2)		
		eSKS	12 03 05	LR	26	16.7 (2)		
		ePS	12 06 45	LR	23	81.4 (2)		
		ePKKP	12 07 32	Z	999.9	99.9 (9)		
		eSS	12 13 03	LR	25	52.0 (2)		
		eSSS	12 16 35	LR	24	37.9 (2)		
		eLQ	12 19 36	LR	17	41.8 (2)		
		eLR	12 30 06	LZ	999.9	99.9 (9)		
20	DH	ePD	11 53 12.0	LZ	20	84.0 (1)	119.0	
		ePP	11 58 11	LZ	22	41.8 (2)		
		ePS	12 08 11	LR	23	37.9 (2)		
		eSS	12 14 14	LR	19	12.3 (3)		
		eLQ	12 27 25	LT	19	37.0 (2)		
		eLR	12 34 20	LZ	36	13.6 (3)		
							AS .	5.96
							AVG.	5.96
20	MN	eP	11 49 08.7	Z	0.3	2.3 (0)	0.6	
		eS	11 49 17	R	0.3	7.2 (0)		
20	13 22 12.*		01.6 N 77.7 W COLOMBIA H =140 KM					
20	LC	eLR	13 45 00	LZ	23	45.1 (2)	41.0	
20	DH	eLR	13 45 01	LZ	23	11.9 (3)	41.0	
20	NG	eLR	13 50 00	LZ	27	80.2 (2)	45.0	
20	CP	eLR	13 58 57	LZ	25	22.6 (2)	48.0	
20	13 54 06.2		24.1 N 45.9 W NORTH ATLANTIC OCEAN H =033 KM MAG 4.50- CGS					
20	17 01 40.2		72.1 N 126.3 E YAKUTSK, A.S.S.R. H =033 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	WI	eP	17 11 35.8	Z	0.6	2.7 (0)	58.0	4.46
20	MN	eP	17 05 11.8	Z	0.4	1.6 (0)	0.3	
		eS	17 05 27	R	0.3	2.9 (0)		
20	19 16 30.4		28.6 N 176.3 W KERMADEC ISLANDS REGION H =032 KM					
20	MV	eP	19 58 16.7	Z	0.2	99.9 (9)	0.2	
		eS	19 58 21	R	0.3	23.5 (1)		
20	MN	eP	19 58 30.5	Z	999.9	99.9 (9)	4.3	
		eS	19 59 23	R	0.6	6.8 (0)		
20	21 04 57.*		02.5 N 128.8 E HALMAHERA REGION H =148 KM MAG 4.90- CGS					
20	LC	eP	21 38 43.6	Z	0.2	8.3 (0)	0.6	
		eS	21 39 00	R	0.3	5.8 (0)		
21	00 58 07.4		56.0 S 123.9 W SOUTH PACIFIC OCEAN H =033 KM					
21	LC	eP	01 11 05.0	Z	999.9	99.9 (9)	89.0	
		eS	01 21 47	LT	20	26.8 (1)		
		eS	01 21 47	LR	22	48.7 (1)		
		ePS	01 23 05	LT	24	29.3 (1)		
		eSS	01 27 50	LR	24	53.6 (1)		
		eLQ	01 36 17	LR	36	21.8 (2)		
		eLR	01 39 40	LZ	26	11.2 (2)		
		eL	01 42 00	LZ	22	14.1 (2)		
		eL	01 42 00	LR	21	56.5 (1)		
		eL	01 42 00	LT	22	96.3 (1)		
21	SJ	eSKS	01 21 28	LR	24	12.7 (2)	86.0	
		eSS	01 27 00	LR	29	12.1 (2)		
		eLR	01 34 08	LR	34	49.1 (2)		
		eL	01 37 20	LZ	24	50.1 (1)		
		eL	01 37 20	LR	25	43.4 (2)		
		eL	01 37 20	LT	25	22.9 (2)		
21	MV	eSS	01 29 15	LR	22	57.0 (1)	95.0	
		eLQ	01 37 45	LR	30	13.3 (2)		
		eLR	01 42 12	LZ	22	17.2 (2)		
		eL	01 42 40	LZ	22	17.2 (2)		
		eL	01 42 40	LR	24	33.4 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	01 42 40	LT	24	12.6 (2)		
21	FM	eSS	01 29 22	LT	20	44.4 (1)	95.0	
		eLQ	01 38 37	LT	34	14.4 (2)		
		eLR	01 43 03	LZ	22	20.2 (2)		
		eL	01 44 58	LZ	22	20.2 (2)		
		eL	01 44 58	LR	23	12.1 (2)		
		eL	01 44 58	LT	22	13.2 (2)		
21	CP	eLQ	01 34 23	LT	30	24.3 (2)	89.0	
		eLR	01 39 02	LZ	21	21.9 (2)		
21	WI	eLQ	01 40 04	LT	37	22.9 (2)	97.0	
		eLR	01 45 10	LZ	24	18.3 (2)		
		eL	01 46 30	LZ	23	17.6 (2)		
		eL	01 46 30	LR	24	19.4 (2)		
		eL	01 46 30	LT	22	99.2 (1)		
21	MN	eLR	01 42 08	LZ	26	30.4 (2)	94.0	
		eL	01 43 03	LZ	23	29.5 (2)		
		eL	01 43 03	LR	23	99.9 (9)		
		eL	01 43 03	LT	25	21.4 (2)		
21	NG	eLQ	01 42 12	LR	999.9	99.9 (9)	106.0	
		eLR	01 45 58	LZ	25	73.3 (1)		
21	DH	eLQ	01 43 15	LR	35	24.0 (2)	106.0	
		eLR	01 50 22	LZ	29	17.6 (2)		
21	MN	eP	03 32 41.7	Z	0.3	1.5 (0)	0.1	
		eS	03 32 44	R	0.4	18.6 (0)		
21	FM	eP	08 47 42.5	Z	0.2	5.3 (0)	1.9	
		eS	08 47 47	R	0.3	17.9 (0)		
21	FM	eP	09 21 51.9	Z	0.2	4.0 (0)	0.4	
		eS	09 21 56	R	0.3	15.5 (0)		
21	09 44 40.3		18.9 N 146.0 E MARIANA ISLANDS REGION H =180 KM					
21	MN	eP	09 56 46.7	Z	0.7	0.8 (0)	83.0	3.62
21	FM	eP	10 13 30.9	Z	0.2	12.1 (0)	0.4	
		eS	10 13 35	R	0.4	35.8 (0)		
21	10 16 19.1		21.1 S 69.0 W NORTHERN CHILE H =110 KM					
21	FM	eP	10 27 35.2	Z	999.9	99.9 (9)	72.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	10 28 03	Z	0.8	3.3 (0)		
21	FM	eP	11 16 46.5	Z	0.3	6.0 (0)	1.9	
		eS	11 16 51	R	0.4	8.0 (0)		
21	CP	eP	11 20 02.4	Z	0.3	2.0 (0)	0.7	
		eS	11 20 12	R	0.3	25.6 (0)		
21	CP	eP	12 49 10.5	Z	0.4	0.9 (0)	3.5	
		eS	12 49 54	T	0.5	2.7 (0)		
21	15 16 06.6		11.0 S 163.1 E SOLOMON ISLANDS REGION H =064 KM MAG 4.80- CGS					
21	MN	eP	15 28 51.7	Z	1.0	4.2 (0)	88.0	4.53
21	CP	eP	15 28 52.1	Z	0.7	3.5 (0)	88.0	4.61
							AVG.	4.57
21	MN	eP	16 22 30.8	Z	0.3	3.0 (0)	0.5	
		eS	16 22 38	R	0.4	3.2 (0)		
21	16 23 28.9		51.4 N 159.1 E OFF E. COAST OF KAMCHATKA H =033 KM					
21	LC	eP	17 03 23.5	Z	0.3	7.1 (0)	1.5	
		eS	17 03 43	T	0.4	7.9 (0)		
21	17 10 47.6		36.3 N 140.3 E EAST COAST HONSHU, JAPAN H =033 KM MAG 4.10- CGS					
21	17 30 15.4		11.1 S 163.3 E SOLOMON ISLANDS REGION H =033 KM MAG 5.40- CGS					
21	MV	eP	17 42 53.3	Z	999.9	99.9 (9)	86.0	
21	MN	eP	17 43 03.8	Z	1.0	13.6 (0)	88.0	5.13
		eP	17 43 05	LZ	20	34.5 (1)		
		ePP	17 46 43	Z	2.0	37.3 (0)		
		eS	17 53 40	LT	24	90.2 (1)		
		eSS	17 59 50	LT	22	16.5 (2)		
		eLQ	18 06 27	LT	27	27.4 (2)		
		eLR	18 10 20	LZ	25	99.9 (9)		
21	CP	eP	17 43 03.9	Z	1.2	24.1 (0)	88.0	5.30

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	18 10 06	LZ	27	33.6 (2)		
21	WI	eP	17 43 10.0	Z	1.7	60.3 (0)	89.0	5.51
		eP	17 43 10	LZ	17	50.7 (1)		
		eS	17 53 46	LT	28	12.5 (2)		
		eS	17 53 46	LR	20	54.7 (1)		
		ePS	17 55 06	LT	20	15.2 (2)		
		eSS	18 00 04	LT	24	14.0 (2)		
		eLQ	18 06 54	LR	24	23.9 (2)		
		eLR	18 10 48	LZ	27	25.6 (2)		
21	LC	eP	17 43 42	LZ	20	23.2 (1)	96.0	
		ePP	17 47 40	LZ	19	31.3 (1)		
		eSKS	17 54 23	LR	18	45.2 (1)		
		eS	17 55 06	LT	22	26.7 (1)		
		eS	17 55 06	LR	23	56.3 (1)		
		ePS	17 56 18	LR	22	12.3 (2)		
		eSS	18 01 33	LR	26	15.5 (2)		
		eLR	18 14 03	LZ	25	35.6 (2)		
		eL	18 20 56	LZ	19	53.2 (2)		
		eL	18 20 56	LR	19	45.3 (2)		
		eL	18 20 56	LT	18	13.5 (2)		
21	FM	eS	17 54 12	LT	18	51.9 (1)	93.0	
		eS	17 54 12	LR	19	10.0 (2)		
		ePS	17 55 45	LR	24	11.8 (2)		
		eSS	18 00 55	LR	23	15.5 (2)		
		eLR	18 12 50	LZ	28	52.4 (2)		
21	NG	ePS	17 58 52	LR	20	53.8 (1)	111.0	
		eLQ	18 16 18	LT	26	41.2 (1)		
		eLR	18 21 50	LZ	28	12.0 (2)		
		eL	18 28 24	LZ	22	27.2 (2)		
		eL	18 28 24	LR	22	19.7 (2)		
		eL	18 28 24	LT	20	13.4 (2)		
21	SJ	eLR	18 18 30	LT	24	44.4 (2)	102.0	
		eL	18 24 25	LZ	19	39.0 (2)		
		eL	18 24 25	LR	20	73.6 (2)		
		eL	18 24 25	LT	18	78.1 (2)		
21	DH	eLR	18 29 20	LZ	27	21.7 (2)	121.0	
		eL	18 33 05	LZ	22	70.3 (2)		
		eL	18 33 05	LR	22	54.0 (2)		
		eL	18 33 05	LT	23	22.7 (2)		
						AVG.		5.31

21 17 40 44.6 11.0 S 163.2 E SOLOMON ISLANDS REGION
H =069 KM MAG 4.60- CGS

21 MN eP 17 53 28.8 Z 0.8 1.5 (0) 88.0 4.17

21 17 51 07.7 22.1 S 179.5 W FIJI ISLANDS REGION
H =579 KM MAG 4.90- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	MN	eP	18 02 35.8	Z	1.0	3.4 (0)	83.0	3.83
21	LC	eP	18 03 00.3	Z	1.0	3.7 (0)	88.0	4.15
						AVG.		3.99

21 18 10 11.7 29.5 S 178.1 W KERMADEC ISLANDS REGION
H =082 KM

21	MN	eP	18 30 52.6	Z	0.3	1.2 (0)	1.4	
		eS	18 31 11	R	0.4	3.2 (0)		
21	CP	eP	18 31 46.0	Z	0.3	4.0 (0)	0.4	
		eS	18 31 52	T	0.5	10.2 (0)		

21 18 34 59.3 10.8 S 163.2 E SOLOMON ISLANDS REGION
H =060 KM MAG 4.60- CGS

21 MN eP 18 47 44.0 Z 1.0 2.5 (0) 88.0 4.32

21 20 03 32.0 24.0 N 108.6 W GULF OF CALIFORNIA
H =033 KM

21	LC	eP	20 05 36.6	Z	999.9	99.9 (9)	9.0	
		eL	20 07 57	LR	14	14.0 (2)		
		eL	20 08 06	R	0.6	3.9 (0)		
21	MN	eP	20 07 24.8	Z	1.4	12.1 (0)	17.0	3.87
		e	20 07 30	Z	1.6	35.3 (0)		
21	WI	eP	20 07 51.1	Z	999.9	99.9 (9)	19.0	
21	SJ	eL	20 09 15	T	999.9	99.9 (9)	10.0	
		eL	20 09 32	LT	15	29.3 (2)		

21	LC	eP	20 17 23.5	Z	0.3	7.1 (0)	1.5	
		eS	20 17 42	R	0.4	5.6 (0)		

21 20 21 04.6 11.1 S 163.5 E SOLOMON ISLANDS REGION
H =033 KM MAG 4.60- CGS

21 MN eP 20 33 52.7 Z 1.0 2.5 (0) 88.0 4.40

21	DH	eP	22 09 49.2	Z	0.3	17.8 (0)	0.9	
		eS	22 10 01	T	0.4	38.9 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22			02 27 56.3					
			11.3 S 163.2 E SOLOMON ISLANDS REGION					
			H =060 KM MAG 5.10- CGS					
22			04 24 29.6					
			17.7 N 106.0 W OFF WEST COAST OF MEXICO					
			H =033 KM MAG 4.60- CGS					
22			05 42 29.8					
			46.0 N 151.2 E KURILE ISLANDS					
			H =086 KM MAG 4.70- CGS					
22			07 52 01.3					
			30.3 S 177.6 W KERMADEC ISLANDS REGION					
			H =168 KM					
22			10 18 27.0					
			11.0 S 163.5 E SOLOMON ISLANDS REGION					
			H =037 KM MAG 5.20- CGS					
22			13 56 43.0					
			48.6 N 154.7 E KURILE ISLANDS REGION					
			H =022 KM MAG 6.30- CGS					
22	MV	eP	14 06 38.5	Z	1.7	64.7 (1)	58.0	6.38
		eP	14 06 38	LZ	25	21.6 (2)		
		eP AS	14 06 53.0	Z	1.4	18.4 (1)		5.92
		ePCP	14 07 42	LZ	21	59.9 (1)		
		ePP	14 08 40	LZ	25	76.9 (1)		
		ePCS	14 11 35	LR	25	55.9 (1)		
		eS	14 14 40	LR	22	13.3 (2)		
		eS	14 14 40	LT	20	17.3 (2)		
		ePPS	14 15 20	LR	23	41.4 (2)		
		eSS	14 18 27	LR	25	16.7 (2)		
		eLQ	14 21 10	LT	30	10.9 (3)		
		eLR	14 25 13	LZ	25	70.6 (2)		
		eL	14 27 00	LZ	23	84.2 (2)		
		eL	14 27 00	LR	23	50.5 (2)		
		eL	14 27 00	LT	23	32.2 (2)		
22	WI	eP	14 06 53.0	Z	1.3	47.5 (0)	59.0	5.36
		eP	14 06 55	LZ	24	24.7 (2)		
		ePP	14 09 18	LZ	25	10.7 (2)		
		ePPP	14 10 08	LZ	20	90.5 (1)		
		ePCS	14 11 45	LR	19	83.1 (1)		
		e	14 13 30	LZ	18	42.4 (1)		
		eS	14 14 50	LT	27	34.0 (2)		
		eS	14 14 50	LR	27	31.6 (2)		
		e	14 18 00	LR	20	16.0 (2)		
		e	14 19 20	LR	25	20.7 (2)		
		eL	14 22 20	LR	999.9	99.9 (9)		
22	MN	eP	14 06 55.5	Z	1.5	37.2 (1)	61.0	6.27

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	FM	eP	14 07 14.6	Z	1.2	40.7 (1)	63.0	6.38
		eP	14 07 15	LZ	23	21.6 (2)		
		eP AS	14 07 29.8	Z	1.2	21.2 (1)		6.10
		ePP	14 09 48	LZ	23	70.6 (1)		
		ePS	14 16 00	LT	22	37.9 (2)		
		eSS	14 20 09	LT	27	23.0 (2)		
		eLQ	14 24 20	LR	33	56.2 (2)		
		eLR	14 27 21	LZ	999.9	99.9 (9)		
22	CP	eP	14 07 27.0	Z	1.6	40.9 (1)	65.0	6.34
		eP	14 07 27	LZ	25	19.7 (2)		
		eS	14 16 15	LT	22	95.8 (1)		
		eS	14 16 15	LR	28	20.3 (2)		
		eSCS	14 16 58	LT	28	46.1 (2)		
		eLQ	14 22 00	LT	16	67.6 (1)		
		eLR	14 28 18	LZ	33	86.4 (2)		
		eL	14 29 10	LZ	22	92.7 (2)		
		eL	14 29 10	LR	999.9	99.9 (9)		
		eL	14 29 10	LT	22	49.8 (2)		
22	NG	eP	14 08 00.7	Z	1.3	46.1 (1)	71.0	6.38
		eP	14 08 09	LZ	24	20.4 (2)		
		ePP	14 10 36	LZ	23	12.2 (2)		
		ePPP	14 12 30	LT	22	69.3 (1)		
		eS	14 17 18	LT	17	27.1 (2)		
		ePPS	14 18 05	LT	16	39.6 (2)		
		eSS	14 22 00	LR	25	16.2 (2)		
		eLQ	14 25 40	LZ	26	33.3 (2)		
		eLR	14 31 55	LZ	33	57.3 (2)		
22	LC	eP	14 08 04.7	Z	1.3	33.1 (1)	72.0	6.24
		eP	14 08 05	LZ	22	23.1 (2)		
		eP AS	14 08 20.6	Z	1.3	18.2 (1)		5.98
		eS	14 17 28	LR	20	13.8 (2)		
		eS	14 17 28	LT	27	12.3 (2)		
		eSS	14 22 20	LR	32	24.3 (2)		
		eLQ	14 26 15	LR	27	19.3 (2)		
		eLR	14 27 20	LT	31	85.1 (1)		
		eP'P'	14 35 51	Z	1.2	7.6 (0)		
22	DH	eP	14 08 48.8	Z	1.3	47.3 (1)	80.0	6.23
		eP	14 08 52	LZ	19	34.9 (2)		
		eP AS	14 09 03.9	Z	1.4	28.1 (1)		5.98
		eS	14 18 50	LT	17	12.8 (2)		
		ePS	14 19 36	LT	24	15.9 (2)		
		eSS	14 24 09	LT	19	10.8 (2)		
		eL	14 35 20	LZ	29	38.7 (2)		
22	SJ	eP	14 08 54.2	Z	1.7	10.6 (2)	80.0	6.47
		ePP	14 11 57	Z	1.7	13.7 (1)		
							AVG.	6.22
							AS .	5.99

22 15 42 48.6 04.3 N 127.9 E MOLUCCA PASSAGE
H =058 KM MAG 5.00- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	LC	eP'	16 01 29.3	Z	0.8	6.6 (0)	116.0	
		e	16 01 47	Z	0.9	7.6 (0)		
		ePKKP	16 12 01	Z	1.1	9.2 (0)		
		e	16 12 18	Z	1.0	10.0 (0)		
22	16 25 36.8		52.2 N 165.3 W FOX ALEUTIAN ISLANDS H =033 KM MAG 4.20- CGS					
22	LC	eP	16 34 02.2	Z	999.9	99.9 (9)	46.0	
		eSCP	16 39 34	Z	1.0	7.5 (0)		
22	16 48 49.*		55.1 N 160.2 E KAMCHATKA H =033 KM					
22	CP	eP	21 46 55.0	Z	0.2	75.3 (0)	0.7	
		eS	21 47 15	T	0.2	15.2 (1)		
22	21 53 02.5		08.2 S 115.7 E JAVA SEA H =033 KM MAG 5.60- CGS					
22	LC	eP'	22 12 19.1	Z	1.1	6.1 (0)	134.0	
		eSKP	22 15 44	Z	2.0	54.6 (0)		
22	22 00 44.2		49.3 N 155.4 E KURILE ISLANDS REGION H =033 KM MAG 5.10- CGS					
22	LC	eP	22 12 00.0	Z	0.7	2.4 (0)	71.0	4.35
22	DH	eP	22 12 35.4	Z	0.8	46.5 (0)	77.0	5.56
							AVG.	4.95
22	NG	e	22 15 14	LZ	17	12.2 (2)		
22	LC	e	22 15 50	LZ	17	92.1 (1)		
22	LC	e	22 26 42	LZ	19	46.1 (1)		
22	NG	e	22 27 29	LZ	20	34.3 (1)		
22	LC	e	22 32 43	LT	21	11.7 (2)		
22	NG	e	22 33 25	LR	19	75.2 (1)		
22	NG	e	22 38 30	LR	19	63.9 (1)		
22	22 40 59.1		37.0 N 123.1 W OFF COAST OF CALIFORNIA H =014 KM MAG 4.50-5.00 BRK					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	MV	eP	22 41 39.5	Z	999.9	99.9 (9)	3.0	
22	WI	eP	22 42 40.0	Z	0.5	0.4 (0)	6.0	3.46
		eL	22 44 04	T	0.5	20.9 (0)		
22	NG	eLR	23 05 55	LZ	31	15.6 (2)	27.0	
22	CP	eP	23 08 10.0	Z	0.2	99.9 (9)	0.6	
		eS	23 08 19	T	999.9	99.9 (9)		
23	00 51 40.3		01.6 N 126.4 E MOLUCCA PASSAGE H =033 KM MAG 4.80- CGS					
23	LC	eP'	01 10 30.7	Z	0.7	2.1 (0)	120.0	
23	02 27 07.2		11.1 S 163.5 E SOLOMON ISLANDS REGION H =033 KM MAG 5.00- CGS					
23	WI	eP	02 40 01.8	Z	999.9	99.9 (9)	89.0	
23	CP	eP	02 31 32.4	Z	0.2	10.2 (0)	0.7	
		eS	02 31 41	T	0.3	28.7 (0)		
		eP	02 40 57.0	Z	0.3	10.2 (0)		
		eS	02 41 07	R	0.3	31.6 (0)		
23	CP	eP	02 42 09.5	Z	0.3	99.9 (9)		
23	03 15 28.0		60.0 N 150.4 W KENAI PENINSULA, ALASKA H =036 KM MAG 5.20- CGS					
23	WI	eP	03 21 13.8	Z	0.7	2.6 (0)	28.0	4.11
23	03 33 19.1		15.0 S 176.7 W FIJI ISLANDS REGION H =279 KM MAG 5.40- CGS					
23	CP	eP	03 44 30.2	Z	0.8	13.6 (0)	75.0	4.73
		ePP	03 45 38	Z	1.8	82.1 (0)		
23	WI	eP	03 44 50.1	Z	0.8	32.0 (0)	78.0	5.10
		epP	03 46 00	Z	1.0	17.3 (0)		
		eS	03 54 19	LT	20	56.1 (1)		
		eSS	03 59 22	LT	22	81.2 (1)		
		eLQ	04 05 32	LT	25	10.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	04 16 22	LT	30	17.8 (2)		
		eL	04 19 00	LZ	23	17.8 (2)		
		eL	04 19 00	LR	25	14.7 (2)		
		eL	04 19 00	LT	23	15.2 (2)		
23	FM	eP	03 45 03.8	Z	0.9	32.9 (0)	81.0	5.14
		epP	03 46 13	Z	1.8	11.9 (1)		
		eS	03 54 47	LT	19	10.5 (2)		
		eS	03 54 47	LR	17	66.7 (1)		
		eSS	04 00 00	LT	20	80.6 (1)		
23	LC	eP	03 45 10.1	Z	0.7	65.7 (0)	82.0	5.55
		epP	03 46 20	Z	1.3	88.4 (0)		
		eS	03 55 00	LR	20	74.8 (1)		
		eS	03 55 00	LT	19	31.9 (1)		
23	SJ	eP	03 45 35.6	Z	1.0	11.3 (1)	87.0	5.73
		epP	03 46 47	Z	1.5	11.9 (1)		
23	MV	eS	03 53 40	LR	22	50.3 (1)	75.0	
		eSS	03 58 42	LR	23	50.2 (1)		
23	NG	eSKS	03 56 48	LR	19	25.7 (1)	100.0	
		eSS	04 04 23	LR	20	37.5 (1)		
							AVG.	5.25

23 03 35 34.7 10.9 S 163.3 E SOLOMON ISLANDS REGION
H =033 KM MAG 5.50- CGS

23	CP	eP	03 48 23.0	Z	2.0	62.8 (0)	88.0	5.49
23	WI	eP	03 48 30.4	Z	1.5	41.4 (0)	89.0	5.40
							AVG.	5.45

23 03 57 41.1 01.3 S 80.7 W NEAR COAST OF ECUADOR
H =033 KM MAG 5.00- CGS

23	LC	eP	04 05 27.7	Z	999.9	99.9 (9)	42.0	
23	MN	eP	04 06 51.3	Z	1.0	2.3 (0)	53.0	4.11

23	NG	e	04 05 34	LR	25	40.5 (1)		
23	FM	e	04 06 33	LT	27	12.5 (2)		
23	LC	e	04 07 05	LR	25	89.9 (1)		
23	NG	e	04 10 24	LR	32	11.9 (2)		
23	FM	e	04 13 53	LT	33	14.5 (2)		
23	CP	eLR	04 15 05	LZ	30	14.0 (2)		
23	FM	eL	04 15 15	LT	24	10.5 (2)		
23	FM	eLR	04 18 03	LZ	33	33.0 (2)		
23	LC	eLR	04 19 34	LZ	25	12.9 (2)		
23	NG	eLR	04 29 00	LZ	29	14.2 (2)		
23	DH	eLR	04 34 40	LZ	25	94.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	05 30 18.6		07.9 S 115.3 E JAVA SEA H =033 KM					
23	06 36 32.6		32.9 N 115.5 W IMPERIAL COUNTY, CALIF. H =014 KM MAG 4.60- CGS					
23	CP	eP	06 36 46.6	Z	999.9	99.9 (9)	0.8	
		e	06 36 51	LZ	20	21.2 (2)		
23	MN	eP	06 38 01.6	Z	0.3	0.8 (0)	6.0	3.97
		e	06 38 26	Z	1.0	23.9 (0)		
		eS	06 39 40	R	0.9	19.5 (0)		
23	FM	eP	06 38 21.0	Z	999.9	99.9 (9)	7.0	
		e	06 38 41	Z	0.9	8.2 (0)		
		eL	06 40 10	R	1.0	13.6 (0)		
		eL	06 40 16	LT	15	22.5 (2)		
23	LC	eP	06 38 24.5	Z	0.6	3.0 (0)	8.0	4.61
		eL	06 40 33	T	1.0	23.8 (0)		
		eL	06 40 40	LZ	20	40.9 (1)		
23	WI	eP	06 38 42.1	Z	0.5	0.8 (0)	9.0	4.33
		e	06 39 12	Z	0.6	5.4 (0)		
		eL	06 40 51	T	1.0	13.3 (0)		
23	MV	eL	06 40 46	LT	14	11.1 (2)	8.0	
							AVG.	4.30

23	CP	eP	06 43 00.0	Z	999.9	99.9 (9)		
23	CP	eP	06 43 02.0	Z	999.9	99.9 (9)		
23	CP	e	06 43 05	LZ	16	84.4 (1)		

23 06 57 51.8 18.4 N 145.2 E MARIANA ISLANDS REGION
H =478 KM MAG 4.50- CGS

23	WI	eP	07 09 29.5	Z	0.6	7.2 (0)	83.0	4.42
23	MN	eP	07 09 31.5	Z	0.6	5.0 (0)	84.0	4.34
23	LC	eP	07 10 23.2	Z	0.7	1.4 (0)	95.0	4.21
							AVG.	4.32

23	CP	eP	07 36 48.1	Z	0.2	3.4 (0)	0.7	
		eS	07 36 58	R	0.2	28.1 (0)		

23 07 43 58.0 19.2 N 64.6 W LEEWARD ISLANDS REGION
H =055 KM MAG 5.40- CGS

23	DH	eP	07 49 16.5	Z	999.9	99.9 (9)	25.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	07 53 49	R	0.5	35.6 (0)		
		eL	07 53 50	LZ	18	14.9 (2)		
23	SJ	eP	07 50 22.5	Z	1.4	15.4 (1)	32.0	5.63
		e	07 50 30	LZ	11	15.0 (2)		
		e	07 50 35	Z	1.5	23.8 (1)		
		eLR	08 00 00	LZ	29	80.7 (1)		
23	NG	eP	07 50 38.0	Z	0.9	7.7 (0)	33.0	4.58
		ePP	07 51 28	Z	1.0	35.3 (0)		
		eS	07 55 52	LR	19	44.2 (1)		
		eS	07 55 52	LT	16	34.7 (1)		
		ePCS	07 57 11	R	0.7	9.4 (0)		
		eL	07 59 05	LR	23	94.9 (1)		
23	LC	eP	07 51 28.3	Z	0.9	22.1 (0)	40.0	4.90
		eP	07 51 43	LZ	12	51.1 (1)		
		e	07 52 57	LR	18	81.3 (1)		
		eS	07 57 40	LT	17	34.3 (1)		
		eS	07 57 40	LR	16	22.5 (1)		
		eLQ	08 00 44	LT	22	56.1 (1)		
		eLR	08 04 30	LT	23	15.4 (2)		
23	FM	eP	07 52 15.0	Z	1.0	17.8 (0)	46.0	4.94
		eS	07 59 05	LT	17	75.9 (1)		
		eS	07 59 05	LR	19	15.6 (1)		
		e	08 02 23	LT	25	84.0 (1)		
		eL	08 06 06	LT	20	14.0 (2)		
23	WI	eP	07 52 48.4	Z	0.7	26.9 (0)	50.0	5.28
		eS	07 59 57	LR	21	69.5 (1)		
		eSS	08 03 39	LR	21	84.4 (1)		
		eLQ	08 08 20	LR	27	14.1 (2)		
		eLR	08 09 32	LZ	23	68.7 (1)		
		eL	08 13 20	LZ	20	14.2 (2)		
		eL	08 13 20	LR	18	13.9 (2)		
		eL	08 13 20	LT	20	14.2 (2)		
23	MN	eP	07 52 49.7	Z	1.2	62.7 (0)	50.0	5.41
23	MV	eS	08 00 42	LR	24	30.0 (1)	52.0	
		eLR	08 11 22	LZ	30	96.9 (1)		
							AVG.	5.12

23 07 47 59.7 11.2 S 163.3 E SOLOMON ISLANDS REGION
H =017 KM MAG 4.80- CGS

23	MN	eP	08 00 52.0	Z	999.9	99.9 (9)	88.0	
23	WI	eP	08 00 57.9	Z	999.9	99.9 (9)	89.0	

23 07 54 30.7 11.0 S 163.2 E SOLOMON ISLANDS REGION
H =061 KM MAG 4.50- CGS

23 08 41 54.7 20.7 S 177.9 W FIJI ISLANDS REGION
H =477 KM MAG 5.10- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	MN	eP	08 53 21.2	Z	0.9	2.7 (0)	81.0	3.83
23	WI	eP	08 53 31.6	Z	0.7	2.1 (0)	83.0	3.83
23	LC	eP	08 53 46.3	Z	1.0	4.3 (0)	86.0	4.08
							AVG.	3.91
23	CP	eP	09 02 23.2	Z	0.3	1.0 (0)	0.8	
		eS	09 02 34	T	0.3	99.9 (9)		

23 09 06 02.6 32.8 N 115.6 W IMPERIAL COUNTY, CALIF.
H =014 KM MAG 4.60- CGS

23	CP	eP	09 06 17.6	Z	999.9	99.9 (9)	0.7	
		eP	09 06 18	LZ	13	33.0 (2)		
		eL	09 06 31	LT	18	73.0 (2)		
23	MN	eP	09 07 32.7	Z	0.5	1.3 (0)	6.0	3.94
		e	09 07 57	Z	1.0	31.1 (0)		
		eS	09 09 10	R	1.2	73.3 (0)		
23	FM	eP	09 07 51.5	Z	999.9	99.9 (9)	7.0	
		e	09 08 12	Z	0.8	12.6 (0)		
		eL	09 09 38	T	1.6	11.6 (1)		
		eL	09 09 42	LT	14	83.1 (2)		
23	LC	eP	09 07 55.0	Z	0.7	4.2 (0)	8.0	4.70
		eL	09 10 08	R	0.9	65.1 (0)		
		eL	09 10 08	LZ	18	12.7 (2)		
23	WI	eP	09 08 12.5	Z	0.5	1.6 (0)	9.0	4.63
		e	09 08 48	Z	0.7	14.0 (0)		
		eLQ	09 10 10	LR	20	34.8 (1)		
		eL	09 10 25	T	0.8	34.2 (0)		
		eLR	09 11 20	LZ	15	18.7 (2)		
		eL	09 11 20	LR	15	17.1 (2)		
		eL	09 11 20	LT	15	71.8 (1)		
23	MV	eL	09 10 00	LT	14	30.9 (2)	7.0	
23	SJ	eL	09 14 10	LT	20	15.0 (2)	16.0	
23	NG	eL	09 19 01	LT	18	10.7 (2)	25.0	
							AVG.	4.42
23	CP	eP	09 13 51.8	Z	0.2	15.0 (0)	0.5	
		eS	09 13 59	R	0.3	32.7 (0)		
23	CP	eP	09 20 17.3	Z	0.4	3.4 (0)	0.7	
		eS	09 20 27	T	0.3	38.9 (0)		
		eP	09 34 23.5	Z	0.3	10.2 (0)		
		eS	09 34 33	R	0.3	31.6 (0)		
23	CP	eP	09 38 40.9	Z	0.3	99.9 (9)		
23	CP	eP	10 02 01.0	Z	0.3	2.0 (0)	1.0	
		eS	10 02 14	R	0.3	21.1 (0)		
23	CP	eP	10 05 09.5	Z	0.3	2.5 (0)	0.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	10 05 19	R	0.3	10.2 (0)		
23			10 15 08.9		36.6 N	30.0 E	NEAR SOUTH COAST OF TURKEY	
			H =226 KM					
23	CP	eP	10 16 23.3	Z	0.3	2.0 (0)	0.6	
		eS	10 16 32	R	0.3	15.8 (0)		
		eP	10 17 36.2	Z	0.2	17.7 (0)		
		eS	10 17 45	R	0.3	17.4 (0)		
23	CP	eP	10 19 01.2	Z	0.2	19.1 (0)	0.7	
		eS	10 19 11	R	0.3	20.0 (0)		
23	CP	eP	10 20 30.8	Z	0.2	12.3 (0)	0.6	
		eS	10 20 39	T	0.2	41.0 (0)		
23	CP	eP	10 24 22.2	Z	0.3	12.3 (0)	0.7	
		eS	10 24 32	R	0.5	22.3 (0)		
23			10 43 30.6		36.9 N	141.0 E	E. COAST OF HONSHU, JAPAN	
			H =039 KM					
23	CP	eP	10 47 28.5	Z	0.3	10.7 (0)	0.7	
		eS	10 47 38	R	999.9	99.9 (9)		
		eP	10 57 24.0	Z	0.2	10.2 (0)		
		eS	10 57 34	R	0.3	15.8 (0)		
23	CP	eP	11 00 31.0	Z	0.3	1.0 (0)	1.5	
		eS	11 00 51	T	0.3	10.2 (0)		
23	CP	eP	11 03 26.0	Z	0.3	99.9 (9)		
23	CP	eP	11 08 19.5	Z	0.2	3.4 (0)	0.7	
		eS	11 08 29	R	0.3	15.3 (0)		
23	CP	eP	11 16 51.4	Z	0.2	6.1 (0)	0.6	
		eS	11 17 00	R	0.3	19.0 (0)		
23	CP	eP	11 18 21.7	Z	0.3	3.5 (0)	0.7	
		eS	11 18 31	R	0.3	25.3 (0)		
		eP	11 29 04.6	Z	0.2	12.9 (0)		
		eS	11 29 14	R	0.2	28.8 (0)		
23	11	56	45.6		44.7 S	75.7 W	OFF OF SOUTHERN CHILE	
			H =033 KM	MAG	5.10-	CGS		
23	CP	eP	12 00 35.0	Z	0.3	2.5 (0)	0.6	
		eS	12 00 44	T	0.3	3.0 (0)		
23	CP	eP	12 06 20.8	Z	0.2	12.3 (0)	0.7	
		eS	12 06 30	R	0.2	28.8 (0)		
23	12	09	11.8		20.0 N	73.5 W	WINDWARD PASSAGE	
			H =033 KM	MAG	4.60-	CGS		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	LC	eP	12 15 40.5	Z	0.8	1.7 (0)	32.0	3.96
23	WI	eP	12 17 00.2	Z	0.6	1.8 (0)	43.0	3.98
23	MN	eP	12 17 01.3	Z	0.9	1.8 (0)	43.0	3.81
							AVG.	3.91
23	CP	eP	12 12 34.4	Z	0.2	3.4 (0)	0.5	
		eS	12 12 42	T	0.2	15.0 (0)		
23	CP	eP	12 27 28.0	Z	0.2	11.6 (0)	0.6	
		eS	12 27 37	R	0.3	99.9 (9)		
23	CP	eP	13 00 47.5	Z	0.3	3.0 (0)	0.7	
		eS	13 00 57	T	999.9	99.9 (9)		
23	CP	eP	13 17 30.3	Z	0.3	1.0 (0)	0.3	
		eS	13 17 36	R	0.3	12.6 (0)		
23	CP	eP	14 06 48.2	Z	0.2	12.3 (0)	0.6	
		eS	14 06 57	T	0.2	16.4 (0)		
		eP	14 10 35.9	Z	0.3	5.1 (0)		
		eS	14 10 45	R	0.3	20.0 (0)		
23	CP	eP	14 15 00.0	Z	0.2	5.4 (0)		
23	CP	eP	14 17 37.7	Z	0.2	5.4 (0)	0.7	
		eS	14 17 48	T	0.3	12.3 (0)		
23	CP	eP	14 34 57.5	Z	0.2	8.2 (0)	0.6	
		eS	14 35 06	R	0.3	99.9 (9)		
23	CP	eP	14 36 12.5	Z	0.2	13.6 (0)	0.7	
		eS	14 36 22	R	0.4	18.8 (0)		
23	CP	eP	14 52 52.5	Z	0.2	10.9 (0)		
23	CP	eP	15 01 18.0	Z	0.3	1.5 (0)	0.6	
		eS	15 01 27	R	0.3	99.9 (9)		
23	15	12	05.7		06.0 N	126.1 E	MINDANAO, PHILIPPINE IS.	
			H =088 KM	MAG	5.50-	CGS		
23	LC	eP'	15 30 44.0	Z	999.9	99.9 (9)	117.0	
		ePKKP	15 41 12	Z	1.0	5.7 (0)		
23	NG	eP'	15 30 49.0	Z	0.7	15.0 (0)	120.0	
23	WI	ePKKP1	15 41 47	Z	1.0	6.5 (0)	105.0	
		ePKKP2	15 42 03	Z	1.3	18.7 (0)		
23	15	53	00.2		32.5 N	115.3 W	BAJA CALIFORNIA NORTE	
			H =014 KM	MAG	4.80-	PAS		
23	CP	eP	15 53 14.2	Z	999.9	99.9 (9)	0.9	
		eP	15 53 14	LZ	13	59.0 (2)		
23	MN	eP	15 54 29.3	Z	0.5	3.1 (0)	6.0	4.31

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	15 54 54	Z	1.0	86.3 (0)		
		eS	15 56 20	R	1.2	74.0 (0)		
23	FM	eP	15 54 47.9	Z	999.9	99.9 (9)		
		e	15 55 59	Z	0.9	99.9 (9)	7.0	
		eL	15 56 30	LT	14	14.0 (3)		
		eL	15 56 34	T	1.0	30.4 (0)		
23	LC	eP	15 54 51.6	Z	0.7	5.7 (0)	7.0	4.64
		eL	15 57 00	LZ	22	24.4 (1)		
		eL	15 57 04	T	0.8	35.3 (0)		
23	WI	eP	15 55 17.6	Z	0.5	0.8 (0)	9.0	4.33
		e	15 55 41	Z	0.6	27.2 (0)		
		eL	15 57 32	T	0.8	48.7 (0)		
		eLQ	15 57 32	LR	25	59.1 (1)		
		eLR	15 58 30	LZ	15	33.9 (2)		
		eL	15 58 30	LR	15	32.6 (2)		
		eL	15 58 30	LT	15	27.9 (2)		
23	MV	eL	15 57 02	LT	14	68.0 (2)	8.0	
23	SJ	eLQ	16 01 42	LT	20	46.4 (2)	15.0	
		eLR	16 03 25	LZ	14	38.9 (2)		
23	NG	eL	16 05 40	LT	18	22.3 (2)	25.0	
							AVG.	4.42
23	CP	eP	16 11 41.0	Z	0.3	12.3 (0)		
23	CP	eP	16 15 17.2	Z	0.2	6.1 (0)	0.7	
		eS	16 15 27	R	999.9	99.9 (9)		
		eP	16 15 43.5	Z	0.2	4.7 (0)		
		eS	16 15 53	R	0.2	22.5 (0)		

23 16 27 42.5 46.6 N 152.3 E KURILE ISLANDS REGION
H =052 KM MAG 5.60- CGS

23	WI	eP	16 37 57.0	Z	1.0	4.3 (0)	62.0	4.53
23	LC	eP	16 39 15.3	Z	1.0	2.8 (0)	74.0	4.15
		e	16 39 30	Z	1.3	11.0 (0)		
							AVG.	4.34
23	CP	eP	16 27 47.0	Z	0.2	19.1 (0)		
23	CP	eP	16 48 55.3	Z	999.9	99.9 (9)		
23	CP	eP	16 58 10.7	Z	0.2	8.2 (0)		
23	CP	eP	17 04 27.7	Z	0.3	99.9 (9)	0.6	
		eS	17 04 36	R	0.3	99.9 (9)		
23	CP	eP	17 09 29.1	Z	0.2	9.5 (0)	0.7	
		eS	17 09 39	R	0.3	13.7 (0)		
		eP	17 22 26.2	Z	0.3	8.2 (0)		
		eS	17 22 36	R	0.2	22.5 (0)		
		eP	17 29 22.2	Z	0.3	10.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	17 29 33	R	0.3	32.7 (0)		
23	CP	eP	17 42 37.3	Z	999.9	99.9 (9)		
23	CP	eP	17 51 48.5	Z	0.2	13.6 (0)		
23	CP	eP	18 01 25.2	Z	0.3	2.5 (0)	0.6	
		eS	18 01 34	R	0.3	99.9 (9)		

23 18 21 18.3 14.5 N 105.2 W WEST COAST OF MEXICO
H =033 KM

23	SJ	eP	18 24 45.3	Z	1.2	17.4 (1)	15.0	5.36
23	LC	eP	18 25 25.0	Z	999.9	99.9 (9)	18.0	
		eL	18 30 35	R	6.5	19.9 (2)		
23	CP	eP	18 26 00.5	Z	1.3	30.3 (0)	21.0	4.46
		eLR	18 31 28	LZ	22	55.4 (2)		
23	FM	eP	18 26 46.5	Z	1.0	10.7 (0)	25.0	4.43
23	MN	eP	18 26 56.2	Z	1.5	42.3 (0)	26.0	4.81
23	WI	eP	18 27 16.8	Z	1.0	9.7 (0)	29.0	4.52
		eS	18 32 20	LT	20	17.8 (1)		
		eS	18 32 20	LR	23	34.6 (1)		
		eLQ	18 35 10	LR	23	64.2 (1)		
		eLR	18 37 00	LZ	20	83.0 (1)		
23	NG	eS	18 33 30	LT	19	34.3 (1)	34.0	
		eS	18 33 30	LR	20	20.4 (1)		
		eLQ	18 38 45	LR	25	94.5 (1)		
		eLR	18 41 25	LZ	17	23.2 (2)		
							AVG.	4.72
23	CP	eP	18 36 48.5	Z	0.2	8.8 (0)		
23	MN	eP	18 38 24.5	Z	0.5	0.9 (0)		
23	CP	eP	18 40 06.7	Z	999.9	99.9 (9)		
23	CP	e	18 40 30	LT	19	15.8 (2)		
23	MN	eL	18 41 53	Z	0.9	11.9 (0)		
23	CP	eP	18 54 16.5	Z	0.2	17.1 (0)	0.6	
		eS	18 54 25	T	0.2	28.7 (0)		
23	CP	eP	19 00 04.2	Z	0.2	6.1 (0)	0.7	
		eS	19 00 13	T	0.2	27.3 (0)		
23	CP	eP	19 00 15.5	Z	0.3	1.0 (0)	0.5	
		eS	19 00 23	R	0.4	5.1 (0)		
		eP	19 01 31.5	Z	0.3	2.5 (0)		
		eS	19 01 39	R	0.3	99.9 (9)		
23	CP	eP	19 04 25.5	Z	0.3	2.5 (0)	0.6	
		eS	19 04 34	R	0.3	99.9 (9)		
23	CP	eP	19 08 18.2	Z	0.2	4.7 (0)	0.7	
		eS	19 08 28	R	0.4	23.4 (0)		
		eP	19 13 16.8	Z	0.2	4.7 (0)		
		eS	19 13 26	T	0.2	13.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	19 14 41.4	Z	0.2	3.4 (0)		
		eS	19 14 51	R	0.3	20.0 (0)		
23	CP	eP	19 22 30.0	Z	0.2	2.7 (0)	0.6	
		eS	19 22 39	T	0.3	9.2 (0)		
23	CP	eP	19 28 32.3	Z	0.3	3.5 (0)	0.7	
		eS	19 28 42	R	0.3	9.5 (0)		
		eP	19 35 25.5	Z	0.2	4.1 (0)		
		eS	19 35 35	R	0.3	15.8 (0)		
23	CP	eP	19 52 41.7	Z	0.2	8.2 (0)		
23	CP	eP	19 56 32.2	Z	0.2	6.8 (0)	0.7	
		eS	19 56 42	R	0.3	21.1 (0)		
23	CP	eP	20 00 12.3	Z	0.3	5.1 (0)	0.6	
		eS	20 00 21	R	0.3	9.5 (0)		
		eP	20 01 14.5	Z	0.3	1.0 (0)		
		eS	20 01 23	T	0.4	8.9 (0)		
		eP	20 02 08.0	Z	0.3	7.1 (0)		
		eS	20 02 17	R	0.3	99.9 (9)		
23	CP	eP	20 06 54.2	Z	0.3	1.5 (0)	0.7	
		eS	20 07 04	R	0.3	15.8 (0)		
		eP	20 13 22.2	Z	0.2	5.4 (0)		
		eS	20 13 32	T	0.3	7.1 (0)		
23	CP	eP	20 23 22.4	Z	0.3	13.3 (0)	0.8	
		eS	20 23 33	R	0.3	99.9 (9)		
23	LC	eP	20 30 57.3	Z	0.2	9.5 (0)	0.6	
		eS	20 31 06	T	0.3	23.4 (0)		
23	CP	eP	21 23 36.5	Z	0.2	10.9 (0)	0.8	
		eS	21 23 47	R	0.3	31.6 (0)		

23 21 36 37.5 30.6 S 178.0 W KERMADEC ISLANDS REGION
H =033 KM

23 21 37 36.3 52.1 N 178.6 W ANDREANOF ALEUTIAN IS.
H =060 KM MAG 4.40- CGS

23	MN	eP	21 45 35.7	Z	0.6	2.5 (0)	43.0	4.12
23	LC	eP	21 46 59.1	Z	0.7	3.5 (0)	54.0	4.50
							AVG.	4.31
23	CP	eP	22 04 13.7	Z	0.3	4.6 (0)	0.7	
		eS	22 04 23	T	0.3	18.4 (0)		
		eP	22 17 36.5	Z	0.3	4.1 (0)		
		eS	22 17 46	R	999.9	99.9 (9)		
24	CP	eP	02 08 41.0	Z	0.3	3.5 (0)	0.6	
		eS	02 08 50	R	0.4	13.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	CP	eP	04 10 36.8	Z	0.3	1.5 (0)	2.5	
		eS	04 11 08	R	999.9	99.9 (9)		
24	CP	eP	04 25 12.5	Z	0.3	7.6 (0)		
24	CP	eP	05 39 27.2	Z	0.3	8.7 (0)	0.7	
		eS	05 39 37	T	0.4	8.8 (0)		

24 06 10 07.8 12.0 N 88.3 W OFF COAST EL SALVADOR
H =033 KM

24	WI	eP	06 17 31.8	Z	0.7	3.8 (0)	39.0	4.23
24	MN	eP	06 13 28.3	Z	0.3	19.2 (0)	1.0	
		e	06 13 38	Z	0.4	99.9 (9)		
		eS	06 13 41	R	999.9	99.9 (9)		
24	WI	eP	06 13 55.5	Z	0.3	0.7 (0)	2.2	
		eS	06 14 24	R	999.9	99.9 (9)		
24	MN	eP	06 42 15.3	Z	0.3	10.8 (0)	0.9	
		eS	06 42 26	R	999.9	99.9 (9)		
24	WI	eP	06 42 42.3	Z	0.3	0.7 (0)	2.4	
		eS	06 43 13	R	0.4	11.4 (0)		

24 07 33 05.8 58.2 N 136.8 W SOUTHEASTERN ALASKA
H =033 KM

24 07 33 17.6 06.7 N 82.1 W NEAR S. COAST OF PANAMA
H =033 KM MAG 4.30- CGS

24	MN	eP	07 41 35.2	Z	999.9	99.9 (9)	45.0	
24	CP	eP	10 17 26.8	Z	0.3	13.3 (0)	0.8	
		eS	10 17 38	R	0.5	33.0 (0)		
24	MN	eP	10 45 33.5	Z	0.2	1.3 (0)	2.6	
		eS	10 46 07	R	0.4	3.8 (0)		
24	FM	eP	12 50 40.0	Z	0.2	3.4 (0)	0.5	
		eS	12 50 47	R	0.3	16.7 (0)		
24	MN	eP	12 58 00.3	Z	1.1	3.6 (0)		
24	DH	eP	16 28 12.7	Z	0.3	11.0 (0)	1.7	
		eS	16 28 36	R	0.4	22.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MN	eP	16 36 28.4	Z	0.3	5.2 (0)	0.7	
		eS	16 36 38	R	0.4	10.4 (0)		
24	CP	eP	16 42 08.3	Z	0.3	3.5 (0)	0.5	
		eS	16 42 16	R	999.9	99.9 (9)		
24	DH	eP	18 33 33.8	Z	0.3	18.3 (0)	1.8	
		eS	18 33 57	R	0.4	25.9 (0)		
24	LC	eP	18 41 58.6	Z	0.3	7.0 (0)	1.5	
		eS	18 42 18	T	0.4	5.8 (0)		
24	CP	eP	19 06 33.1	Z	0.3	5.6 (0)	0.6	
		eS	19 06 42	R	0.4	18.5 (0)		
24	FM	eP	20 47 41.0	Z	0.2	15.3 (0)	1.4	
		eS	20 47 58	R	0.3	25.1 (0)		

24 20 52 25.1 22.8 S 179.6 W FIJI ISLANDS REGION
H =566 KM MAG 4.50- CGS

24 21 00 25.1 37.1 N 140.8 E EAST COAST HONSHU, JAPAN
H =052 KM

24 21 19 04.8 24.5 S 179.7 E FIJI ISLANDS REGION
H =649 KM MAG 4.60- CGS

25	MN	eP	00 40 23.2	Z	0.3	1.3 (0)	2.1	
		eS	00 40 51	T	0.4	4.7 (0)		

25 01 35 50.4 24.8 N 121.9 E NEAR COAST OF FORMOSA
H =033 KM MAG 4.70- CGS

25 01 51 13.* 22.2 S 66.1 W JUJUY PROVINCE, ARGENTINA
H =305 KM MAG 4.10- CGS

25 02 37 55.7 35.6 N 139.7 E E. COAST OF HONSHU, JAPAN
H =077 KM

25	CP	eP	03 12 33.0	Z	0.3	1.5 (0)	0.6	
		eS	03 12 42	R	0.4	12.4 (0)		
25	WI	eP	04 18 14.0	Z	0.2	1.5 (0)	3.2	
		e	04 18 15	Z	0.3	9.6 (0)		
		eS	04 18 54	R	0.5	15.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

25 04 22 46.8 54.4 N 164.6 W UNIMAK ALEUTIAN ISLANDS
H =070 KM

25 07 35 03.9 51.7 N 179.7 E RAT ALEUTIAN ISLANDS
H =083 KM MAG 4.80- CGS

25	WI	eP	07 42 58.6	Z	999.9	99.9 (9)	43.0	
25	MN	eP	07 43 10.0	Z	999.9	99.9 (9)	45.0	
25	LC	eP	07 44 33.3	Z	999.9	99.9 (9)	56.0	
		epP	07 44 46	Z	0.8	5.8 (0)		

25 LC eP 07 51 20.0 Z 999.9 99.9 (9)

25 07 57 02.* 23.8 S 66.6 W SALTA PROVINCE, ARGENTINA
H =210 KM MAG 4.90- CGS

25	LC	eP	08 07 38.8	Z	1.0	3.6 (0)	68.0	4.06
25	MN	eP	08 08 42.3	Z	1.0	4.5 (0)	79.0	4.17
25	WI	eP	08 08 50.1	Z	1.0	15.1 (0)	80.0	4.68
							AVG.	4.30
25	MN	eP	08 05 10.0	Z	0.3	0.5 (0)	3.9	
		e	08 05 16	Z	0.3	2.7 (0)		
		eS	08 05 58	R	0.5	6.9 (0)		

25 08 41 09.6 42.7 N 144.3 E HOKKAIDO, JAPAN
H =080 KM MAG 5.40- CGS

25	WI	eP	08 52 05.8	Z	0.8	8.9 (0)	69.0	4.72
25	MN	eP	08 52 14.3	Z	0.8	15.8 (0)	70.0	4.95
		e	08 52 19	Z	0.9	17.0 (0)		
25	CP	eP	08 52 42.3	Z	1.0	10.0 (0)	75.0	4.64
25	LC	eP	08 53 17.3	Z	0.8	8.0 (0)	81.0	4.64
25	DH	eP	08 53 53.8	Z	0.9	31.0 (0)	88.0	5.39
							AVG.	4.87

25 10 11 49.* 04.5 S 129.2 E BANDA SEA
H =095 KM MAG 4.50- CGS

25	FM	eP	10 46 08.0	Z	0.5	2.9 (0)	5.8	3.78

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	10 46 24	R	0.5	9.9 (0)		
		eL	10 47 36	T	0.7	40.8 (0)		
25	10 44 38.1		39.8 N 104.7 W COLORADO					
			H =033 KM MAG 3.50- CGS					
25	LC	eP	10 46 56.8	Z	0.3	0.8 (0)	8.0	4.26
		eL	10 48 35	R	0.7	6.8 (0)		
25	WI	eP	10 47 00.2	Z	999.9	99.9 (9)	10.0	
		eL	10 49 48	T	0.6	2.3 (0)		
25	MN	eP	10 47 18.2	Z	999.9	99.9 (9)	11.0	
		e	10 47 56	Z	0.7	1.1 (0)		
		eL	10 50 13	R	0.8	1.8 (0)		
25	NG	eP	10 47 46.5	Z	0.7	4.9 (0)	14.0	4.24
		eL	10 51 31	T	0.6	7.7 (0)		
25	SJ	eL	10 51 50.5	Z	0.9	1.3 (0)	13.0	
							AVG.	4.25
25	CP	eP	12 49 15.0	Z	0.3	5.1 (0)	1.4	
		eS	12 49 32	T	0.4	23.2 (0)		
25	14 52 12.2		11.9 N 89.6 W OFF COAST EL SALVADOR					
			H =033 KM MAG 4.40- CGS					
25	MN	eP	14 59 19.5	Z	0.7	11.3 (0)	37.0	4.77
		ePCP	15 01 50	Z	0.6	1.9 (0)		
25	WI	eP	14 59 31.0	Z	0.8	7.6 (0)	38.0	4.54
							AVG.	4.66
25	WI	eP	15 19 49.2	Z	0.3	1.1 (0)	2.2	
		eS	15 20 17	R	0.4	4.2 (0)		
25	CP	eP	15 21 55.2	Z	0.3	2.0 (0)	0.6	
		eS	15 22 04	R	0.4	13.9 (0)		
25	16 08 00.8		56.8 S 25.0 W SANDWICH ISLANDS REGION					
			H =029 KM					
25	SJ	eP	16 22 07	LZ	12	14.4 (2)	104.0	6.70
		ePP	16 26 20	LZ	15	18.0 (2)		
		ePPP	16 28 30	LZ	12	10.3 (2)		
		eSKS	16 32 45	LR	16	33.7 (2)		
		eS	16 33 50	LT	17	21.1 (2)		
		ePS	16 35 40	LR	19	29.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	16 41 15	LT	18	36.0 (2)		
		eLQ	16 51 25	LR	28	16.6 (2)		
		eLR	17 12 20	LZ	15	27.7 (2)		
		eL	17 19 20	LZ	16	60.7 (2)		
		eL	17 19 20	LR	16	99.9 (9)		
		eL	17 19 20	LT	16	68.8 (2)		
25	MN	eP'	16 26 54.6	Z	999.9	99.9 (9)	123.0	
		ePP	16 28 35	LZ	24	26.5 (1)		
		eSKS	16 34 00	LR	15	10.9 (2)		
		eSKKS	16 35 34	LR	16	68.5 (1)		
		ePS	16 38 03	LR	20	78.0 (1)		
		ePPS	16 39 49	LR	17	92.1 (1)		
		eSS	16 44 50	LR	16	76.7 (1)		
		eLR	17 07 02	LZ	18	53.1 (1)		
25	WI	eP'	16 26 58.0	Z	0.8	2.5 (0)	125.0	
		e	16 27 03	Z	1.0	11.8 (0)		
		ePP	16 28 45	Z	1.5	15.8 (0)		
		ePP	16 28 49	LZ	17	77.6 (1)		
		eSKS	16 34 16	LR	17	77.8 (1)		
		eSKKS	16 35 41	LR	17	61.5 (1)		
		ePS	16 40 06	LR	26	72.6 (1)		
		e	16 41 51	LR	18	77.2 (1)		
		eSS	16 45 47	LR	17	61.5 (1)		
		eSSS	16 50 39	LR	23	70.6 (1)		
		eLQ	17 01 01	LR	999.9	99.9 (9)		
		eLR	17 08 56	LZ	18	93.0 (1)		
		eL	17 13 49	LZ	19	17.9 (2)		
		eL	17 13 49	LR	22	26.2 (2)		
		eL	17 13 49	LT	21	74.6 (1)		
		eL	17 13 49	LZ	18	83.2 (1)	107.0	
25	DH	ePP	16 27 08	LT	17	78.3 (1)		
		eSKS	16 33 03	LT	17	11.7 (2)		
		ePS	16 36 05	LT	18	15.5 (2)		
		eSS	16 42 06	LR	25	95.1 (1)		
		eLQ	16 52 12	LZ	20	26.4 (2)		
		eLR	17 04 27	LZ	20	42.6 (2)		
		eL	17 06 32	LR	20	34.1 (2)		
		eL	17 06 32	LT	18	26.3 (2)		
		eL	17 06 32	LZ	18	38.3 (1)	112.0	
25	LC	ePP	16 27 22	LZ	18	38.3 (1)		
		ePPP	16 28 52	LR	18	48.4 (1)		
		eSKS	16 33 12	LR	18	72.7 (1)		
		eSKKS	16 34 33	LR	17	95.9 (1)		
		ePS	16 36 54	LR	21	90.4 (1)		
		ePPS	16 37 40	LR	22	46.4 (1)		
		eSS	16 42 45	LR	20	64.7 (1)		
		eLQ	16 50 42	LZ	22	65.2 (1)		
		eLR	17 03 42	LZ	17	99.9 (9)		
		eL	17 20 32	LR	17	66.1 (1)		
		eL	17 20 32	LT	17	45.9 (2)		
		eL	17 20 32	LZ	18	56.2 (1)	115.0	
25	NG	eP	16 27 40					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKS	16 33 30	LT	16	52.7 (1)		
		eSKKS	16 34 35	LT	14	86.6 (1)		
		eS	16 35 27	LR	16	10.4 (2)		
		eS	16 35 27	LT	16	19.1 (1)		
		ePS	16 37 25	LT	25	81.0 (1)		
		eSS	16 43 10	LR	20	12.7 (2)		
		e	16 52 05	LT	25	60.8 (1)		
		eLQ	16 57 55	LR	20	90.9 (1)		
		eLR	17 05 00	LZ	28	14.9 (2)		
		eL	17 13 00	LZ	19	42.2 (2)		
		eL	17 13 00	LR	20	14.8 (2)		
		eL	17 13 00	LT	19	35.3 (2)		
25	FM	ePP	16 28 20	LZ	16	83.9 (1)	120.0	
		eSKS	16 33 55	LT	14	13.3 (2)		
		eSKKS	16 35 10	LT	12	13.8 (2)		
		ePS	16 38 15	LT	16	93.3 (1)		
		ePPS	16 39 20	LT	14	10.0 (2)		
		ePKKS	16 40 50	LR	18	31.4 (1)		
		eSS	16 44 35	LR	23	96.1 (1)		
		eSSS	16 49 10	LR	23	37.3 (1)		
25	MV	ePP	16 29 08	LZ	21	26.0 (1)	125.0	
		eSKS	16 34 08	LR	17	54.4 (1)		
		eSP	16 39 10	LZ	17	44.4 (1)		
		eSS	16 45 55	LR	35	13.1 (2)		
		eLR	17 07 55	LZ	15	81.7 (1)		
		eL	17 25 10	LZ	17	53.3 (2)		
		eL	17 25 10	LR	17	14.2 (2)		
		eL	17 25 10	LT	17	32.2 (2)		
25	CP	ePS	16 37 52	LT	16	14.7 (2)	117.0	
		e	16 44 57	LT	29	23.6 (2)		
		eLR	17 10 40	LZ	18	24.2 (2)		
25			16 45 45.6	20.7 N 120.9 E SOUTH OF FORMOSA H =033 KM MAG 4.50- CGS				
25	LC	eP'	17 04 21.8	Z	999.9	99.9 (9)	110.0	
25	MN	eP	17 06 09.0	Z	0.9	2.9 (0)		
25	MN	e	17 06 17	Z	1.0	3.0 (0)		
25			19 57 28.5	31.8 N 141.3 E SOUTH OF HONSHU, JAPAN H =111 KM MAG 4.50- CGS				
25	WI	eL	20 33 51	LZ	25	30.0 (1)	77.0	
25	MN	eLR	20 35 12	LZ	22	26.6 (1)	78.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	LC	eLR	20 44 18	LZ	20	27.3 (1)	90.0	
25	MN	eP	20 09 17.4	Z	0.4	1.0 (0)	0.9	
		eS	20 09 29	R	0.4	3.8 (0)		
25	LC	eP	20 21 59.2	Z	0.3	7.9 (0)	1.5	
		eS	20 22 19	T	0.4	10.3 (0)		
25			22 18 17.4	37.1 S 179.5 E NEW ZEALAND H =033 KM				
25			23 59 55.8	19.7 S 174.3 W TONGA ISLANDS H =033 KM MAG 5.30- CGS				
26	LC	eP	00 12 20.0	Z	1.1	6.0 (0)	83.0	4.64
26			00 42 56.1	06.9 S 155.6 E SOLOMON ISLANDS H =087 KM MAG 5.00- CGS				
26	CP	eP	01 15 25.3	Z	0.3	3.5 (0)	0.7	
		eS	01 15 35	R	0.4	15.3 (0)		
26	MN	eP	02 05 30.2	Z	0.4	2.7 (0)	0.8	
		eS	02 05 41	R	0.3	5.9 (0)		
26	CP	eP	02 16 45.1	Z	0.2	6.1 (0)	2.3	
		eS	02 17 11	R	0.3	99.9 (9)		
26	MN	eP	02 17 25.0	Z	0.4	0.8 (0)	5.2	
		e	02 17 28	Z	0.4	2.2 (0)		
		eS	02 18 26	R	0.5	2.7 (0)		
26	CP	eP	02 21 30.6	Z	0.2	4.1 (0)	0.7	
		eS	02 21 40	R	0.3	99.9 (9)		
26			02 50 11.*	01.5 S 127.3 E HALMAHERA REGION H =033 KM				
26			04 36 42.*	17.9 S 178.5 W FIJI ISLANDS H =560 KM MAG 5.40- CGS				
26			04 43 09.4	53.2 N 159.8 E EAST COAST OF KAMCHATKA H =033 KM				
26			04 52 23.4	51.5 N 159.8 E EAST COAST OF KAMCHATKA H =033 KM MAG 5.30- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	WI	eP	05 01 51.8	Z	999.9	99.9 (9)	55.0	
26	MN	eP	05 02 05.2	Z	0.8	1.4 (0)	57.0	
26	LC	eP	05 03 18.7	Z	999.9	99.9 (9)	67.0	4.05
26	MN	eP	05 20 48.3	Z	0.4	1.6 (0)	0.2	
		eS	05 20 53	R	0.5	6.3 (0)		
26	CP	eP	06 04 47.7	Z	0.2	2.7 (0)	1.5	
		eS	06 05 07	R	0.2	6.1 (0)		
26	10 57 59.4		16.0 S 173.8 W TONGA ISLANDS H =033 KM					
26	MN	eP	11 09 41.1	Z	1.0	5.6 (0)	75.0	4.48
26	WI	eP	11 09 53.1	Z	999.9	99.9 (9)	77.0	
26	LC	eP	11 10 10.2	Z	0.8	3.6 (0)	80.0	4.32
							AVG.	4.40
26	CP	eP	12 09 31.2	Z	0.2	6.8 (0)	0.6	
		eS	12 09 40	R	0.3	9.2 (0)		
26	12 43 48.1		16.7 S 72.2 W SOUTHERN PERU H =060 KM MAG 4.70- CGS					
26	DH	eP	12 53 41.4	Z	999.9	99.9 (9)	59.0	
26	LC	eP	12 53 42.1	Z	0.7	1.8 (0)	59.0	4.21
26	FM	eP	12 54 37.5	Z	0.7	5.7 (0)	67.0	4.73
26	MN	eP	12 54 54.1	Z	0.8	2.4 (0)	70.0	4.19
26	WI	eP	12 55 03.8	Z	0.6	10.2 (0)	71.0	4.95
							AVG.	4.52
26	LC	eP	18 11 00.4	Z	0.2	8.2 (0)	1.5	
		eS	18 11 19	R	0.2	4.1 (0)		
26	18 32 48.1		22.5 N 144.0 E VOLCANO ISLANDS REGION H =033 KM MAG 4.70- CGS					
26	WI	eP	18 45 04.3	Z	0.8	3.9 (0)	82.0	4.49
26	MN	eP	18 45 07.4	Z	999.9	99.9 (9)	82.0	
26	LC	eP	18 46 01.6	Z	0.9	3.7 (0)	93.0	4.79
							AVG.	4.64

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	19 13 39.6		05.5 S 81.2 W NEAR COAST OF PERU H =033 KM MAG 4.70- CGS					
26	19 24 41.8		15.0 S 35.2 E MOZAMBIQUE H =033 KM MAG 5.00- CGS					
26	MN	eP	19 44 24.2	Z	0.9	3.7 (0)	147.0	
26	MN	eP	19 44 52.9	Z	999.9	99.9 (9)		
26	MV	eP	19 45 33.2	Z	0.5	15.4 (0)	2.5	
26	WI	eP	19 45 38.7	Z	0.4	2.3 (0)	0.3	
		eS	19 45 44	R	0.5	4.6 (0)		
26	MV	eS	19 46 05	R	0.6	13.6 (0)	2.5	
26	21 02 19.2		48.5 N 156.4 E KURILE ISLANDS H =033 KM					
26	21 03 49.2		42.3 N 48.6 E CASPIAN SEA H =033 KM MAG 5.30- CGS					
26	CP	eP	21 14 23.2	Z	0.2	8.8 (0)	0.6	
		eS	21 14 32	R	0.3	13.8 (0)		
26	23 06 55.0		55.2 N 159.9 E NEAR E. COAST OF KAMCHATKA H =047 KM MAG 5.30- CGS					
26	MV	eP	23 16 08.5	Z	0.7	6.5 (0)	53.0	4.71
		eS	23 23 35	LT	19	96.4 (1)		
		eS	23 23 35	LR	999.9	99.9 (9)		
		eLQ	23 27 12	LT	13	74.2 (1)		
		eLR	23 31 00	LZ	18	72.9 (1)		
26	WI	eP	23 16 13.0	Z	0.6	7.4 (0)	54.0	4.89
		eS	23 23 54	LR	23	87.3 (1)		
		eS	23 23 54	LT	999.9	99.9 (9)		
		eSS	23 27 32	LR	17	10.2 (2)		
		eLQ	23 30 32	LR	27	23.4 (2)		
		eLR	23 35 40	LZ	22	12.1 (2)		
26	MN	eP	23 16 25.4	Z	0.7	8.0 (0)	55.0	4.86
		e	23 24 13	LR	999.9	99.9 (9)		
		eLQ	23 27 40	LR	14	62.5 (1)		
		eLR	23 35 35	LZ	24	17.1 (2)		
26	FM	eP	23 16 43.4	Z	0.7	11.4 (0)	58.0	5.01

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	23 16 45	LZ	10	82.5 (1)		
		eS	23 24 50	LR	15	14.8 (2)		
		eS	23 24 50	LT	999.9	99.9 (9)		
		eSS	23 28 43	LR	16	78.0 (1)		
		eLQ	23 31 23	LR	17	81.0 (1)		
		eLR	23 37 53	LZ	22	10.0 (2)		
26	CP	eP	23 17 00.9	Z	0.8	2.5 (0)	60.0	4.35
		eLR	23 36 05	LZ	23	17.2 (2)		
26	NG	eP	23 17 25.7	Z	999.9	99.9 (9)	64.0	
		eP	23 17 27	LZ	13	41.3 (1)		
		eS	23 26 01	LR	15	13.8 (2)		
		eS	23 26 01	LT	14	82.1 (1)		
		eLQ	23 33 20	LR	19	11.0 (2)		
		eLR	23 46 45	LZ	18	33.1 (2)		
26	LC	eP	23 17 38.2	Z	0.7	4.9 (0)	66.0	4.70
		ePP	23 18 35	Z	0.9	8.5 (0)		
		eS	23 26 30	LT	18	92.3 (1)		
		eS	23 26 30	LR	18	56.2 (1)		
		eSS	23 30 49	LR	22	10.3 (2)		
		eLQ	23 36 20	LT	31	21.6 (2)		
		eLR	23 42 56	LZ	18	11.5 (2)		
26	DH	eP	23 18 15.5	Z	0.7	9.9 (0)	72.0	4.91
		eP	23 18 17	LZ	12	54.3 (1)		
		eS	23 27 38	LR	16	58.6 (1)		
		eS	23 27 38	LT	15	47.9 (1)		
		eLR	23 48 51	LZ	23	12.1 (2)		
26	SJ	eP	23 18 31	LZ	12	85.6 (1)	74.0	
		eS	23 27 57	LT	16	30.1 (2)		
		eS	23 27 57	LR	14	97.8 (1)		
		eLQ	23 38 51	LT	16	11.9 (2)		
		eLR	23 44 30	LZ	24	56.4 (1)		
						AVG.		4.77

26 23 34 49.0 07.2 S 128.8 E BANDA SEA
H =293 KM

27 00 30 52.* 10.6 S 162.9 E SOLOMON ISLANDS
H =129 KM MAG 4.20- CGS

27	WI	eP	03 56 28.0	Z	0.4	1.6 (0)	3.1	
		eS	03 57 07	T	0.4	5.9 (0)		

27 03 58 47.9 55.3 N 160.1 E NEAR E. COAST OF KAMCHATKA
H =054 KM MAG 5.70- CGS

27	MV	eP	04 07 59.2	Z	999.9	99.9 (9)	53.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	04 08 00	LZ	999.9	99.9 (9)		
		eS	04 15 30	LT	20	69.6 (1)		
		eS	04 15 30	LR	25	56.3 (1)		
		eSS	04 19 35	LR	22	35.4 (1)		
		eLQ	04 21 30	LT	30	17.0 (2)		
		eLR	04 25 10	LZ	25	59.8 (1)		
		eL	04 29 20	LZ	19	15.0 (2)		
		eL	04 29 20	LR	19	11.5 (2)		
		eL	04 29 20	LT	19	45.1 (1)		
27	WI	eP	04 08 03.5	Z	1.0	99.9 (9)	53.0	
		eP	04 08 06	LZ	999.9	99.9 (9)		
		eS	04 15 46	LR	21	44.2 (1)		
		eS	04 15 46	LT	999.9	99.9 (9)		
		eSS	04 19 10	LT	21	67.5 (1)		
		eLQ	04 22 15	LR	30	18.4 (2)		
		eLR	04 27 25	LZ	20	11.5 (2)		
		eL	04 33 40	LZ	18	75.5 (1)		
		eL	04 33 40	LR	18	12.1 (2)		
		eL	04 33 40	LT	15	44.7 (2)		
27	MN	eP	04 08 16.5	Z	0.9	72.7 (0)	55.0	5.70
		eP	04 08 17	LZ	10	63.2 (1)		
		e	04 08 31	Z	0.9	41.3 (0)		
		eS	04 16 05	LR	12	92.2 (1)		
		eSS	04 19 50	LR	20	48.2 (1)		
		eLQ	04 22 40	LR	10	72.5 (1)		
		eLR	04 22 55	LZ	23	96.0 (1)		
27	FM	eP	04 08 35.2	Z	0.6	38.5 (0)	57.0	5.60
		eP	04 08 35	LZ	10	60.0 (1)		
		eS	04 16 35	LR	15	90.9 (1)		
		eS	04 16 35	LT	999.9	99.9 (9)		
		eLQ	04 21 32	LT	18	65.6 (1)		
		eLR	04 29 40	LR	32	11.6 (2)		
		eL	04 38 00	LR	17	94.5 (1)		
		eL	04 38 00	LT	17	24.7 (2)		
		eL	04 58 00	LZ	17	15.8 (2)		
27	CP	eP	04 08 52.0	Z	1.0	36.6 (0)	60.0	5.41
		e	04 09 40	Z	1.3	51.2 (0)		
		eS	04 17 10	LR	23	49.7 (1)		
		eS	04 17 10	LT	14	48.1 (1)		
		eSS	04 21 22	LT	20	44.3 (1)		
		eLR	04 27 40	LZ	25	95.6 (1)		
		eL	04 47 40	LZ	18	56.5 (1)		
		eL	04 47 40	LR	17	51.1 (1)		
		eL	04 47 40	LT	17	13.5 (2)		
27	NG	eP	04 09 17.0	Z	1.0	62.5 (0)	64.0	5.63
		eP	04 09 20	LZ	999.9	99.9 (9)		
		ePCS	04 13 20	LT	18	16.3 (2)		
		eS	04 17 50	LR	15	70.8 (2)		
		eS	04 17 50	LT	13	60.2 (2)		
		eSS	04 22 20	LT	20	20.8 (2)		
		eLQ	04 25 10	LR	18	65.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	04 30 45	LR	30	10.1 (3)		
		eL	04 34 20	LZ	25	62.5 (1)		
		eL	04 34 20	LR	24	25.5 (3)		
		eL	04 34 20	LT	20	90.5 (2)		
27	LC	eP	04 09 29.5	Z	1.3	13.6 (1)	66.0	5.85
		eP	04 09 30	LZ	18	15.9 (1)		
		e	04 09 45	Z	1.0	22.6 (0)		
		e	04 09 52	Z	1.3	40.8 (0)		
		eS	04 18 18	LT	18	61.0 (1)		
		eS	04 18 18	LR	18	18.3 (1)		
		eSS	04 22 55	LR	20	54.9 (1)		
		eLQ	04 26 05	LT	20	32.9 (1)		
		eLR	04 28 10	LT	32	16.3 (2)		
		eL	04 38 00	LZ	18	17.8 (2)		
		eL	04 38 00	LR	21	13.5 (2)		
		eL	04 38 00	LT	21	76.7 (1)		
27	DH	eP	04 10 06.5	Z	1.0	76.7 (0)	72.0	5.62
		eP	04 10 09	LZ	10	12.2 (2)		
		eS	04 19 28	LT	15	31.3 (1)		
		eS	04 19 28	LR	15	33.6 (1)		
		eSS	04 27 40	LT	17	51.2 (1)		
		eLR	04 37 40	LR	20	18.2 (2)		
		eL	04 40 40	LZ	20	25.5 (2)		
		eL	04 40 40	LR	16	15.1 (2)		
		eL	04 40 40	LT	20	12.0 (2)		
						AVG.		5.64

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	WI	eP	05 05 51.0	Z	0.3	5.1 (0)	4.0	
		eS	05 06 37	T	999.9	99.9 (9)		
27	07 02 27.0		54.3 N 159.8 E EAST OF KAMCHATKA H =033 KM MAG 4.30- CGS					
27	CP	eP	11 03 13.5	Z	0.3	11.9 (0)	1.5	
		eS	11 03 36	R	999.9	99.9 (9)		
27	LC	eP	12 55 15.5	Z	0.3	6.5 (0)	1.3	
		eS	12 55 32	R	0.4	8.7 (0)		
27	DH	eP	15 40 11.5	Z	0.5	16.5 (0)	1.9	
		eS	15 40 37	R	0.5	71.8 (0)		
27	16 05 13.1		12.2 N 102.2 W OFF COAST GUERRERO, MEX. H =033 KM					
27	16 20 09.6		00.6 S 130.1 E HALMAHERA REGION H =033 KM MAG 5.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	DH	eP	18 12 52.5	Z	0.3	7.8 (0)	1.9	
		eS	18 13 18	R	0.3	39.3 (0)		
27	CP	eP	18 22 41.5	Z	0.2	6.3 (0)	2.2	
		eS	18 23 10	T	999.9	99.9 (9)		
27	LC	eP	18 29 19.5	Z	0.3	1.5 (0)	1.3	
		eS	18 29 36	R	0.5	7.1 (0)		
27	18 45 36.*		01.8 S 139.0 E NEAR N. COAST WEST IRAN H =033 KM					
27	DH	eP	18 48 50.5	Z	0.5	16.5 (0)	1.6	
		eS	18 49 13	T	0.5	43.0 (0)		
27	MN	eP	18 53 21.0	Z	0.4	0.7 (0)	4.1	
		eS	18 53 56	T	0.4	1.0 (0)		
27	LC	eP	19 58 30.5	Z	0.3	9.1 (0)	1.5	
		eS	19 58 50	T	0.4	12.6 (0)		
27	21 53 43.9		18.9 S 69.5 W CHILE BOLIVIA BORDER H =110 KM MAG 4.60- CGS					
27	WI	eP	22 05 11.3	Z	0.6	4.0 (0)	75.0	4.41
		e	22 05 39	Z	0.5	4.5 (0)		
		e	22 05 51	Z	1.0	10.8 (0)		
27	MN	eP	21 59 14.0	Z	0.4	1.8 (0)	1.3	
		eS	21 59 31	T	0.5	2.1 (0)		
27	MN	eP	22 25 50.3	Z	0.6	3.1 (0)	3.6	
		eS	22 26 26	T	0.6	4.7 (0)		
28	00 08 55.7		51.7 N 177.7 E ANDREANOF ALEUTIAN ISLANDS H =060 KM					
28	01 15 48.*		32.5 N 142.5 E SOUTH OF HONSHU, JAPAN H =068 KM					
28	01 23 10.0		26.2 N 125.5 E RYUKYU ISLANDS H =033 KM MAG 4.50- CGS					
28	03 09 58.*		23.6 S 179.2 W FIJI ISLANDS REGION H =033 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	MN	eP	04 48 35.0	Z	0.4	0.5 (0)	2.1	
		eS	04 49 03	R	0.4	2.8 (0)		
28	07 00 55.1		18.6 S 177.8 W FIJI ISLANDS REGION					
			H =602 KM MAG 4.40- CGS					
28	MN	eP	07 12 02.8	Z	0.8	2.4 (0)	82.0	3.77
28	WI	eP	07 12 13.6	Z	0.6	2.3 (0)	82.0	3.88
							AVG.	3.83
28	08 22 21.8		05.8 N 71.9 W CENTRAL COLOMBIA					
			H =033 KM MAG 4.80- CGS					
28	LC	eP	08 30 09.6	Z	1.0	16.2 (0)	42.0	4.74
28	NG	eP	08 30 13.8	Z	0.6	10.3 (0)	42.0	4.77
28	MN	eP	08 31 36.7	Z	999.9	99.9 (9)	53.0	
28	WI	eP	08 31 42.0	Z	0.6	2.3 (0)	54.0	4.38
							AVG.	4.63
28	WI	eP	08 46 02.0	Z	0.3	1.1 (0)	3.6	
		e	08 46 05	Z	0.4	2.6 (0)		
		eS	08 46 43	R	0.5	3.7 (0)		
28	10 32 48.*		35.5 N 49.6 E WESTERN IRAN					
			H =033 KM					
28	CP	eP	11 38 43.3	Z	0.3	23.6 (0)	3.0	
		e	11 38 51	Z	0.5	20.6 (0)		
28	MN	eP	11 38 52.5	Z	0.4	1.3 (0)	4.3	
		e	11 38 56	Z	0.4	10.6 (0)		
28	MV	eP	11 39 05.2	Z	0.4	10.1 (0)		
28	CP	eS	11 39 21	T	0.5	28.4 (0)	3.0	
28	WI	eP	11 39 35.2	Z	0.4	0.7 (0)	3.5	
28	MN	eS	11 39 45	R	0.8	36.9 (0)	4.3	
28	WI	e	11 39 57	Z	0.5	2.5 (0)	3.5	
28	MV	eL	11 40 15	R	0.6	19.9 (0)		
28	WI	eS	11 40 18	R	0.7	12.1 (0)	3.5	
28	CP	eP	13 02 30.1	Z	0.2	4.7 (0)	1.1	
		eS	13 02 44	T	0.4	30.3 (0)		
28	LC	eP	21 58 33.0	Z	0.2	1.1 (0)	2.8	
		eS	21 59 08	R	0.4	1.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	16 29 11.9		44.3 N 114.8 W IDAHO					
			H =033 KM					
28	20 06 59.0		32.6 S 70.4 W SOUTHERN CHILE					
			H =036 KM					
28	21 04 10.0		47.5 N 152.4 E KURILE ISLANDS REGION					
			H =120 KM MAG 4.90- CGS					
28	21 38 49.5		12.5 N 142.1 E MARIANA ISLANDS REGION					
			H =033 KM MAG 4.50- CGS					
28	21 58 27.9		36.1 N 140.7 E NEAR COAST HONSHU, JAPAN					
			H =078 KM MAG 4.90- CGS					
29	00 47 50.8		28.3 N 52.2 E WESTERN IRAN					
			H =045 KM MAG 4.80- CGS					
29	01 02 05.8		18.1 S 178.0 W FIJI ISLANDS REGION					
			H =472 KM MAG 4.40- CGS					
29	04 50 17.5		57.4 N 154.0 W KODIAK ISLAND, ALASKA					
			H =055 KM MAG 4.80- CGS					
29	LC	eP	04 57 53.8	Z	1.0	9.8 (0)	41.0	4.54
29	NG	eP	04 57 55.2	Z	0.5	14.9 (0)	41.0	5.03
							AVG.	4.78
29	08 27 44.5		17.7 S 178.8 W FIJI ISLANDS					
			H =512 KM MAG 4.50- CGS					
29	08 35 02.9		27.2 N 59.3 E SOUTHERN IRAN					
			H =033 KM MAG 5.40- CGS					
29	CP	eP	09 01 37.7	Z	0.3	3.0 (0)	0.7	
		eS	09 01 47	R	0.3	11.0 (0)		
29	10 59 10.5		18.0 S 178.0 W FIJI ISLANDS					
			H =550 KM MAG 4.80- CGS					

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
29	LC	eP	11 10 47.5		Z	1.0	4.9 (0)	85.0	4.09
29	13 04 08.4		22.1 S	169.6 E	NEW HEBRIDES ISLANDS				
			H =033 KM						
29	13 22 23.4		23.9 S	179.2 W	FIJI ISLANDS REGION				
			H =060 KM						
29	FM	eP	14 00 25.5		Z	0.2	3.3 (0)	1.3	
		eS	14 00 42		R	0.3	8.2 (0)		
29	CP	eP	17 30 15.7		Z	0.4	6.9 (0)	0.7	
		eS	17 30 25		R	0.5	20.2 (0)		
29	18 02 21.7		16.3 S	174.3 W	TONGA ISLANDS				
			H =064 KM	MAG	4.70-	CGS			
29	18 27 19.1		22.6 S	114.4 W	EASTER ISLAND REGION				
			H =033 KM	MAG	4.70-	CGS			
29	18 30 25.*		24.4 S	114.7 W	EASTER ISLAND REGION				
			H =033 KM	MAG	4.50-	CGS			
29	LC	eP	18 33 17.9		Z	0.2	8.7 (0)	1.5	
		eS	18 33 38		R	0.4	5.1 (0)		
29	NG	eP	19 00 07.7		Z	0.3	21.2 (0)	0.1	
		eS	19 00 11		T	0.3	99.9 (9)		
29	CP	eP	22 03 59.6		Z	0.4	11.8 (0)	0.7	
		eS	22 04 09		R	0.5	22.3 (0)		
29	22 41 34.*		14.7 N	92.1 W	MEXICO GUATEMALA BORDER				
			H =033 KM	MAG	4.40-	CGS			
29	LC	eP	22 46 27.7		Z	0.6	4.6 (0)	22.0	4.05
30	FM	eP	00 22 36.9		Z	0.3	16.1 (0)	1.5	
		eS	00 22 58		R	0.3	26.6 (0)		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
30	01 56 41.3		06.4 N	72.9 W	COLOMBIA				
			H =132 KM	MAG	3.90-	CGS			
30	LC	eP	02 04 10.2		Z	0.8	5.0 (0)	41.0	4.30
30	03 04 49.*		18.3 S	178.3 W	FIJI ISLANDS				
			H =450 KM	MAG	4.20-	CGS			
30	03 44 50.7		49.9 N	157.3 E	KURILE ISLANDS REGION				
			H =050 KM	MAG	4.80-	CGS			
30	MN	eP	04 22 23.8		Z	0.3	1.7 (0)	1.5	
		eS	04 22 43		R	0.3	1.2 (0)		
30	CP	eP	04 33 06.6		Z	0.2	21.8 (0)	1.1	
		eS	04 33 21		R	0.2	18.8 (0)		
30	05 10 05.*		41.9 N	133.8 E	SEA OF JAPAN				
			H =033 KM	MAG	4.40-	CGS			
30	05 35 06.0		26.1 S	178.3 E	FIJI ISLANDS REGION				
			H =061 KM	MAG	49-	CGS			
30	06 56 09.3		54.2 S	143.7 E	SOUTH OF AUSTRALIA				
			H =033 KM	MAG	5.25-5.50 PAL				
30	WI	eP'	07 15 13.7		Z	0.8	5.8 (0)	127.0	
30	NG	eP'	07 15 49.8		Z	0.8	23.4 (0)	146.0	
		eSS	07 38 10		LT	28	69.7 (1)		
		eSSS	07 43 40		LT	25	66.6 (1)		
		eG	07 57 10		LT	35	21.7 (2)		
		eLR	08 08 11		LZ	20	98.2 (1)		
30	MV	eSS	07 33 49		LT	24	16.3 (2)	123.0	
		eLR	07 50 58		LZ	25	72.9 (1)		
		eL	07 58 28		LZ	21	21.3 (2)		
		eL	07 58 28		LR	23	33.4 (1)		
		eL	07 58 28		LT	21	13.5 (2)		
30	MN	eSS	07 33 57		LT	28	15.7 (2)	124.0	
		eSSS	07 38 33		LR	25	50.0 (1)		
		eG	07 48 30		LR	35	19.1 (2)		
		eLR	07 57 00		LZ	23	25.3 (2)		
		eL	07 57 41		LZ	23	25.1 (2)		
		eL	07 57 41		LR	26	92.8 (1)		
		eL	07 57 41		LT	24	17.0 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	LC	eSS	07 34 27	LR	27	83.6 (1)	127.0	
		eSSS	07 39 05	LR	24	78.6 (1)		
		eG	07 49 15	LR	46	85.1 (2)		
		eLR	07 54 00	LZ	32	18.3 (2)		
		eL	08 01 51	LZ	19	32.1 (2)		
		eL	08 01 51	LR	19	13.9 (2)		
		eL	08 01 51	LT	18	20.4 (2)		
30	SJ	eSS	07 34 37	LR	22	17.3 (2)	128.0	
		eSSS	07 39 38	LR	27	11.6 (2)		
		eG	07 49 53	LR	36	38.9 (2)		
		eLR	07 59 12	LZ	22	11.0 (2)		
		eL	08 03 10	LZ	21	11.0 (2)		
		eL	08 03 10	LR	20	60.3 (2)		
		eL	08 03 10	LT	19	92.3 (2)		
30	FM	eSS	07 34 45	LT	25	84.1 (1)	128.0	
		eG	07 49 35	LT	33	15.1 (2)		
		eLR	07 59 20	LR	25	18.0 (2)		
		eL	08 00 18	LZ	22	23.5 (1)		
		eL	08 00 18	LR	25	18.6 (2)		
		eL	08 00 18	LT	22	49.3 (1)		
30	CP	eLR	07 53 55	LZ	22	11.0 (2)	121.0	
30	DH	eLR	08 08 21	LZ	36	24.0 (2)	152.0	

30	CP	eP	10 47 04.2	Z	0.4	4.9 (0)	0.6	
		eS	10 47 13	R	0.5	14.9 (0)		

30 11 33 01.1 23.9 N 46.1 W NORTH ATLANTIC OCEAN
H =033 KM

30 16 37 46.9 30.1 N 111.5 W SONORA, MEXICO
H =033 KM

30	MN	eP	16 49 01.5	Z	0.4	1.9 (0)	1.5	
		eS	16 49 21	R	0.4	4.6 (0)		

30 17 01 21.2 28.9 N 141.5 E BONIN ISLANDS REGION
H =039 KM

30 17 39 43.* 52.4 N 169.5 W FOX ALEUTIAN ISLANDS
H =080 KM

30	NG	eP	17 48 39.3	Z	0.7	12.3 (0)	51.0	5.02

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	18 57 53.2		59.4 S 26.9 W SANDWICH ISLANDS H =033 KM					
30	MV	eP	20 27 21.5	Z	0.3	9.4 (0)	2.4	
30	MN	eP	20 27 33.5	Z	0.3	2.3 (0)	3.1	
30	MV	eS	20 27 52	R	0.4	10.0 (0)	2.4	
30	MN	eS	20 28 13	R	0.4	7.3 (0)	3.1	
30	20 30 27.9		22.6 S 176.2 W TONGA ISLANDS H =060 KM MAG 5.00- CGS					
31	01 21 50.*		45.0 N 111.1 W YELLOWSTONE NATIONAL PARK H =033 KM					
31	04 39 34.5		16.5 S 69.3 W SOUTHERN PERU H =136 KM					
31	WI	eP	04 50 49.2	Z	0.9	13.7 (0)	73.0	4.74
		epP	04 51 20	Z	1.0	4.4 (0)		
31	05 29 30.4		55.2 N 160.0 E EAST COAST OF KAMCHATKA H =061 KM MAG 4.50- CGS					
31	WI	eP	05 38 46.8	Z	1.3	14.9 (0)	53.0	4.82
31	MN	eP	05 38 59.4	Z	1.1	12.0 (0)	55.0	4.83
31	FM	eP	05 39 18.5	Z	1.0	6.9 (0)	58.0	4.64
31	LC	eP	05 40 12.7	Z	1.2	7.4 (0)	66.0	4.61
							AVG.	4.72
31	06 03 34.9		15.1 S 173.3 W TONGA ISLANDS REGION H =033 KM MAG 4.80- CGS					
31	CP	eP	06 15 00.0	Z	1.4	13.6 (0)	72.0	4.78
		eS	06 24 30	LT	18	55.7 (1)		
		eS	06 24 30	LR	15	12.2 (2)		
		ePS	06 25 25	LT	24	94.5 (1)		
		eLQ	06 33 55	LR	25	18.0 (2)		
		eLR	06 36 25	LZ	25	30.2 (2)		
		eL	06 38 40	LT	22	17.0 (2)		
		eL	06 38 40	LR	22	58.4 (1)		
		eL	06 38 40	LZ	21	34.2 (2)		
31	MN	eP	06 15 11.2	Z	1.0	5.6 (0)	74.0	4.48

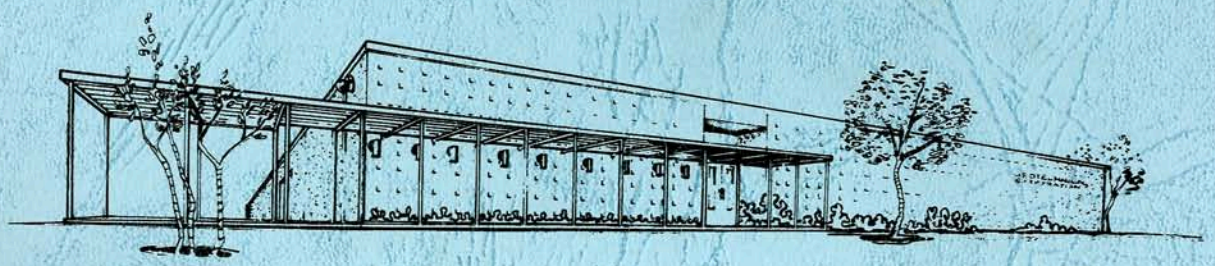
DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	06 15 19	Z	1.2	27.4 (0)		
		eS	06 24 50	LR	18	69.5 (1)		
		eLR	06 37 20	LZ	30	28.1 (2)		
31	WI	eP	06 15 23.5	Z	1.0	4.4 (0)	76.0	4.44
		e	06 15 30	Z	1.2	22.2 (0)		
31	FM	eP	06 15 36.7	Z	1.2	16.0 (0)	78.0	4.92
		eS	06 25 35	LR	16	17.2 (2)		
		eS	06 25 35	LT	16	16.1 (2)		
		e	06 26 07	LR	20	77.4 (1)		
		eSS	06 30 41	LT	26	55.8 (1)		
		eLQ	06 36 27	LT	24	15.4 (2)		
		eLR	06 39 34	LR	25	14.2 (2)		
		eL	06 41 15	LR	25	18.5 (2)		
		eL	06 41 15	LT	25	46.3 (1)		
31	LC	eP	06 15 40.6	Z	1.0	12.1 (0)	79.0	4.81
		e	06 15 49	Z	1.0	18.2 (0)		
		eS	06 25 47	LT	21	67.0 (1)		
		eS	06 25 47	LR	17	56.5 (1)		
		ePS	06 26 35	LR	24	67.1 (1)		
		eSS	06 31 08	LT	18	62.8 (1)		
		eLR	06 40 00	LZ	24	28.0 (2)		
		eL	06 41 57	LZ	22	30.3 (2)		
		eL	06 41 57	LR	23	13.1 (2)		
		eL	06 41 57	LT	23	19.7 (2)		
31	SJ	eP	06 16 07.0	Z	1.0	42.4 (0)	84.0	5.52
		eP	06 16 10	LZ	12	93.8 (1)		
		e	06 26 40	LR	20	16.6 (2)		
		eLR	06 42 26	LZ	27	11.0 (2)		
		eL	06 45 05	LZ	22	66.3 (1)		
		eL	06 45 05	LR	24	12.8 (2)		
		eL	06 45 05	LT	22	32.5 (2)		
31	NG	eP	06 17 06.5	Z	1.0	14.8 (0)	97.0	5.53
		eSKS	06 27 45	LR	16	34.7 (1)		
		eS	06 28 40	LT	20	30.3 (1)		
		eS	06 28 40	LR	17	36.0 (1)		
		eSS	06 35 26	LR	23	39.7 (1)		
		eLQ	06 45 00	LT	37	18.6 (2)		
		eLR	06 49 50	LZ	30	16.9 (2)		
		eL	06 53 21	LZ	23	31.0 (2)		
		eL	06 53 21	LR	23	20.7 (2)		
		eL	06 53 21	LT	18	55.1 (1)		
31	MV	eS	06 24 37	LR	20	48.5 (1)	73.0	
		eS	06 24 37	LT	17	13.1 (2)		
		eSKS	06 25 10	LR	24	13.2 (2)		
		eLQ	06 33 40	LR	27	16.0 (2)		
		eLR	06 36 42	LZ	32	17.7 (2)		
		eL	06 37 57	LZ	23	90.6 (1)		
		eL	06 37 57	LR	24	32.1 (1)		
		eL	06 37 57	LT	23	10.2 (2)		
							AVG.	4.93

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	CP	eP	06 15 58.0	Z	0.4	99.9 (9)	1.7	
		eL	06 16 22	R	0.4	99.9 (9)		
31	MN	eP	06 45 57.9	Z	0.4	1.6 (0)	1.0	
		eS	06 46 11	R	0.4	3.5 (0)		
31	11 09 02.7		61.5 N 140.6 W	SOUTHWESTERN YUKON				
			H =033 KM MAG	3.80- CGS				
31	11 37 56.2		44.9 N 111.4 W	SOUTHWESTERN MONTANA				
			H =033 KM					
31	WI	eP	11 39 27.5	Z	0.6	1.8 (0)	6.0	3.89
		eL	11 41 00	R	0.8	5.9 (0)		
31	WI	eP	11 44 55.7	Z	0.6	0.9 (0)		
31	12 00 27.8		20.1 S 175.9 W	TONGA ISLANDS REGION				
			H =136 KM MAG	4.40- CGS				
31	14 08 03.1		30.6 S 178.1 W	KERMADEC ISLANDS				
			H =060 KM					
31	MN	eP	14 20 51.0	Z	1.0	2.4 (0)	89.0	4.32
		e	14 21 07	Z	1.0	4.0 (0)		
31	WI	eP	14 21 03.2	Z	1.1	5.4 (0)	91.0	4.73
							AVG.	4.53
31	LC	eP	15 40 37.5	Z	0.9	1.8 (0)		
31	WI	eP	15 42 40.7	Z	1.0	2.2 (0)		
31	LC	eL	15 48 02	LZ	17	58.0 (1)		
31	DH	eP	17 55 38.9	Z	0.5	26.3 (0)	1.8	
		eL	17 56 04	R	0.6	52.0 (0)		
31	21 53 46.*		11.2 N 91.2 W	OFF COAST OF EL SALVADOR				
			H =033 KM MAG	4.00- CGS				
31	23 58 49.7		15.1 S 173.4 W	SAMOA ISLANDS REGION				
			H =033 KM MAG	5.40- CGS				

Bulletin No. 18
June 1963

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No: VT/074
ARPA Order No: 104-60
ARPA Code No: 8100
Contractor: The Geotechnical Corporation
Garland, Texas
Contract No: AF 33(600)-41694

Bulletin No. 18
June 1963

1 November 1963

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SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at ten of the forty mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/074, Contract AF 33(600)-41694, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the forty teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM sites consists of a three-component Benioff short-period seismograph system and a three-component Sprengnether long-period seismograph system. Both systems use phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2.

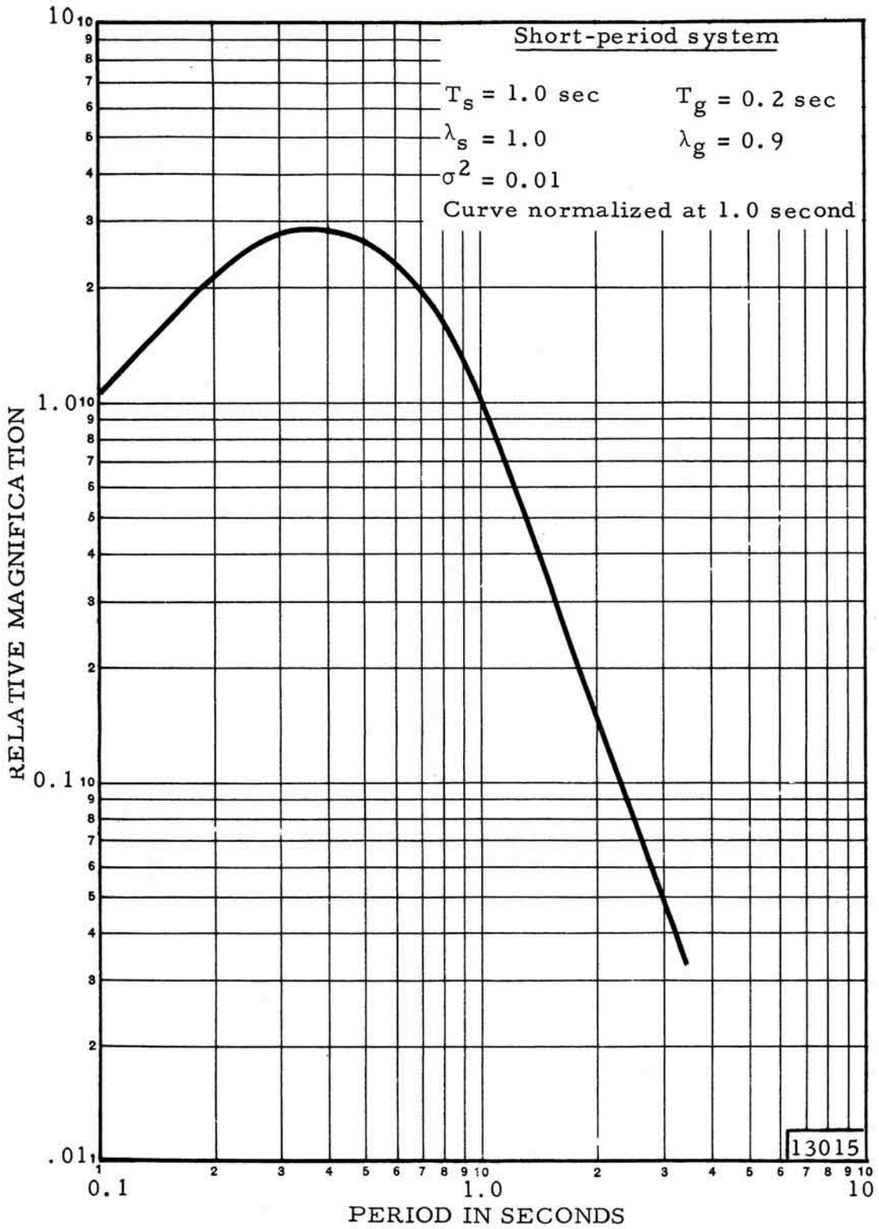


Figure 1. Frequency response of the short-period seismograph system

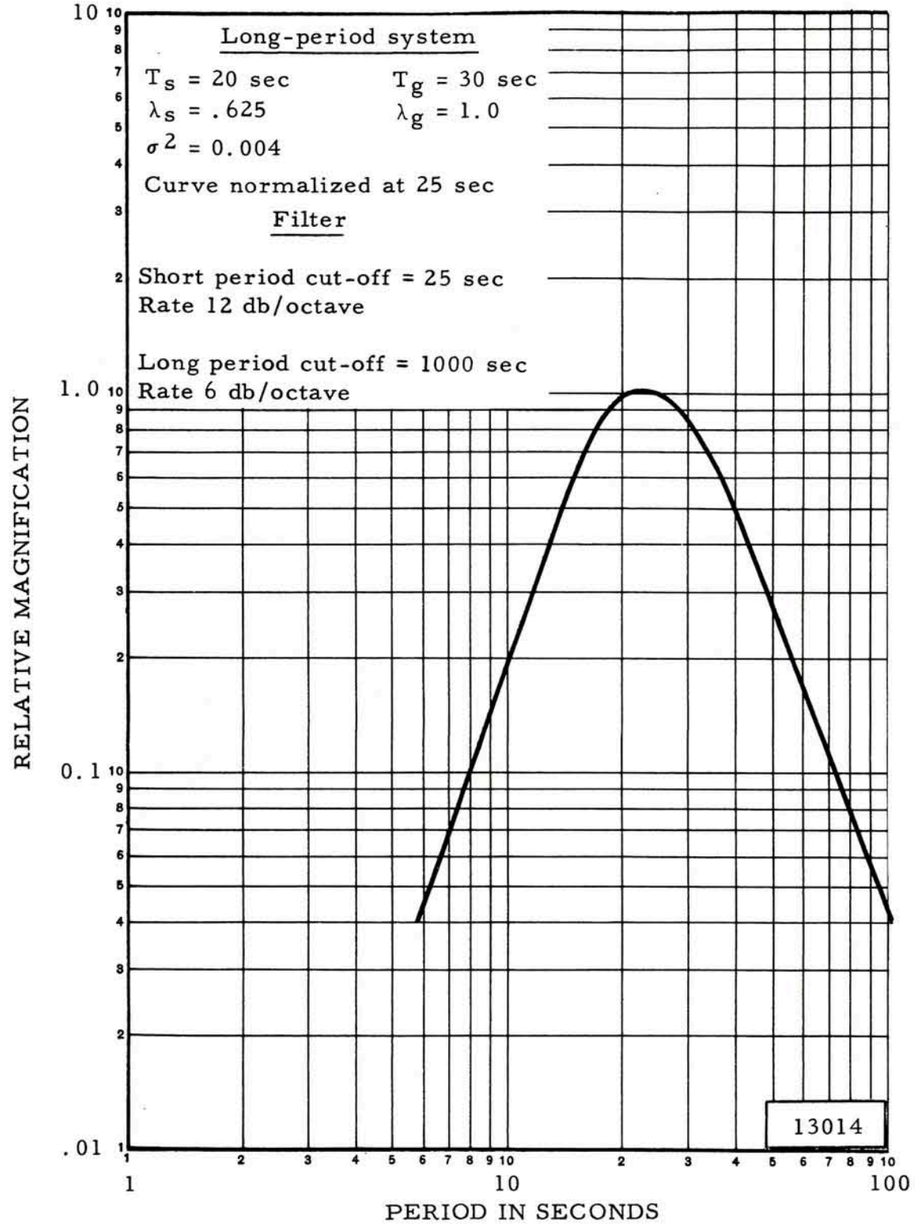


Figure 2. Frequency response of the long-period seismograph system

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by fourteen-channel Magnetic Tape Recorders, Ampex Model 314.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G. C. T.).

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table:

Station Designator	Location
SJ	San Jose, Texas
LC	Las Cruces, New Mexico
CP	Campo, California
MV	Marysville, California

Station Designator	Location
WI	Winnemucca, Nevada
MN	Mina, Nevada
FM	Fillmore, Utah
NG	Niagara, Wisconsin
DH	Delhi, New York
PM	Pole Mountain, Wyoming

The locations of the stations are shown in figure 3.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (G. C. T.). Arrival times indicate that time at which phase motion is first detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

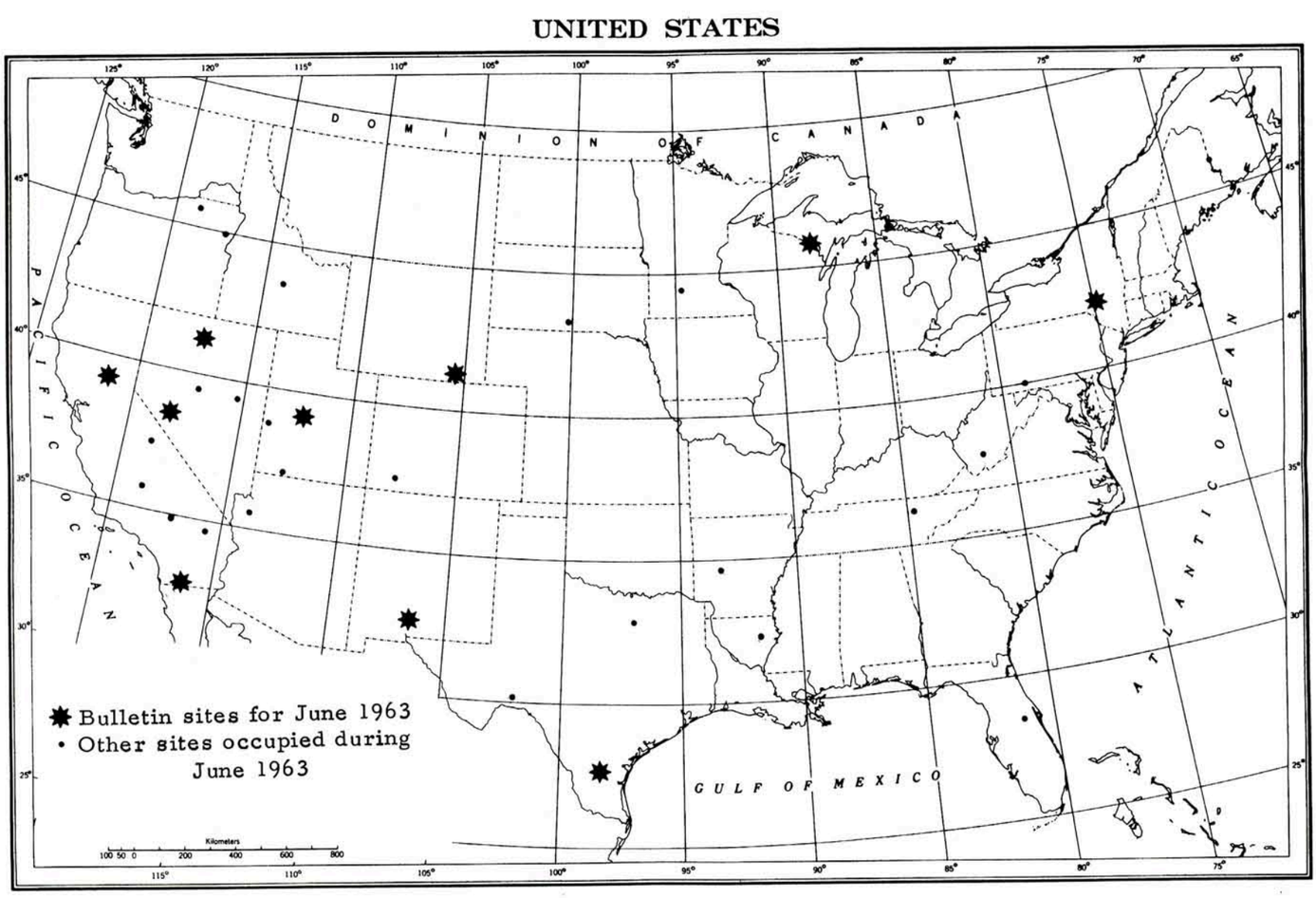


Figure 3. LRSM Program Sites

Z	Short-Period Vertical
R*	Short-Period Radial (horizontal)
T*	Short-Period Transverse (horizontal)
LZ	Long-Period Vertical
LR*	Long-Period Radial (horizontal)
LT*	Long-Period Transverse (horizontal)

*Table 1 gives the instrument orientation of the horizontal seismometers.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

3.7 AMP This column contains the amplitude of the phase given in millimicrons of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$$30.0\ (2) = 30 \times 10^{2} = 3000\ m\mu$$
$$30.0\ (1) = 30 \times 10^{1} = 300\ m\mu$$
$$30.0\ (0) = 30 \times 10^{0} = 30.0\ m\mu$$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

3.8 DIST This is the distance from the recording station to the epicenter. All reported distances are calculated based on geocentric coordinates. Distance is given to the nearest 1/10 of a degree for distances up to six degrees. Beyond six degrees calculations are made to the nearest one degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases, the major arc distance is given.

TABLE 1

LRSM SITE INFORMATION

Horizontal seismometer orientation

Site Designation	Site Location	Azimuth from True North in Degrees* Radial	Transverse	Site Coordinates in deg, min, sec	Elevation in km	Rock Type
SJ TX	San Jose, Texas	127	217	N 27 36 43 W 98 18 46	0.11	Limestone
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58	1.58	Limestone
CP CL	Campo, California	182	272	N 32 43 44 W 116 22 16	1.19	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35	0.18	Volcanics
WI NV	Winnemucca, Nevada	346	076	N 41 21 02 W 117 27 30	1.52	Limestone
MN NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.52	Limestone
FM UT	Fillmore, Utah	058	148	N 39 13 06 W 112 12 25	1.89	Limestone
NG WS	Niagara, Wisconsin	078	168	N 45 45 27 W 88 08 57	0.40	Granite
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18	0.65	Sandstone
PM WY	Pole Mountain, Wyoming	068	158	N 41 12 27 W 105 21 39	2.47	Granite

*When earth moves in direction shown, trace moves up.

3.9 MAG The magnitudes provided are body wave magnitudes, m_b, as defined by Gutenberg and Richter.[1] They are determined only from the short-period vertical component of the "P" phase (initial arrival). The following equation is used:

$$m_b = \log_{10} (A/T) + Q$$

where:

m_b = body wave magnitude

A = 1/2 P-P earth amplitude of "P" phase, in microns

T = Period of "P" phase, in seconds

Q = Depth-distance factor for PZ given by Gutenberg and Richter[1], for distances greater than 16^o.

Magnitude computations for distances less than 16^o are based on AFTAC extensions of the "Q" tables. Points from 10^o to 16^o were read from a curve in the Gutenberg-Richter paper, and an inverse cube relationship was used to extrapolate from 2^o to 10^o.

The average magnitude (sum of station magnitudes/number of stations) is listed on the last line of an epicenter print-out.

When possible, magnitudes are computed for foreshocks and aftershocks as well as for the main event.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

---

[1]Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Ann. Geofis., 9, pp. 1-15.

The notation AS located between these columns calls attention to an aftershock recorded following the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

Line 1 (from left to right)

First group:	day of the month
Second group:	origin time of the event
Third group:	geographic coordinates of the epicenter
Fourth group:	geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to $1/2^{o}$ in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group:	depth (h) of the hypocenter in kilometers
Second group:	magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), Palisades (PAL), or USC&GS (CGS)

NOTE

MAG. (CGS) is m_b of Gutenberg and Richter from the P phase only. The Magnitude quoted is an average value determined from data forwarded by cooperating Standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC)
VELA Seismological Center
Washington 25, D. C.
ATTN: Major N. G. Maddox

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31		23 58 49.7	15.1 S 173.4 W SAMOA ISLANDS REGION H =033 KM MAG 5.40- CGS					
1	CP	eP	00 10 14.5	Z	1.6	44.5 (0)	72.0	5.24
		e	00 19 50	LZ	22	41.3 (1)		
		eSP	00 20 35	LZ	24	97.8 (1)		
		eLR	00 31 25	LZ	25	42.1 (1)		
1	MN	eP	00 10 17.2	Z	1.7	75.1 (0)	73.0	5.44
		e	00 10 50	Z	1.8	67.7 (0)		
		eS	00 20 05	LR	18	76.6 (1)		
		eSS	00 24 54	LR	25	54.6 (1)		
		eLQ	00 30 00	LR	23	18.6 (2)		
		eLR	00 32 34	LZ	31	41.5 (2)		
1	PM	eP	00 11 19.6	Z	2.0	15.7 (1)	84.0	5.79
		e	00 11 26.5	Z	1.8	14.4 (1)		
		e	00 11 49	Z	2.0	94.6 (0)		
		eS	00 21 48	LT	17	18.6 (2)		
		eS	00 21 48	LR	18	64.0 (1)		
		ePS	00 22 45	LR	25	10.8 (2)		
		eSS	00 27 44	LT	23	50.0 (1)		
		e	00 34 00	LT	30	21.1 (2)		
		eLQ	00 34 48	LT	25	28.2 (2)		
		eLR	00 38 15	LZ	25	33.6 (2)		
		eL	00 39 42	LZ	25	33.0 (2)		
		eL	00 39 42	LR	24	38.0 (2)		
		eL	00 39 42	LT	24	82.9 (1)		
1	FM	eS	00 20 52	LT	15	21.5 (2)	79.0	
		eS	00 20 52	LR	17	51.3 (1)		
		ePS	00 21 34	LR	28	92.5 (1)		
		eLQ	00 32 32	LT	22	99.9 (9)		
		eLR	00 34 37	LZ	29			
		eL	00 36 45	LZ	24			
		eL	00 36 45	LR	24	25.2 (2)		
		eL	00 36 45	LT	25	72.1 (1)		
1	LC	eS	00 21 00	LT	21	72.0 (1)	79.0	
		eSS	00 26 25	LT	20	77.4 (1)		
		eLR	00 35 10	LZ	30	36.2 (2)		
		eL	00 37 12	LZ	23	35.5 (2)		
		eL	00 37 12	LR	23	16.0 (2)		
		eL	00 37 12	LT	22	15.1 (2)		
1	NG	eS	00 23 50	LT	22	34.6 (1)	97.0	
		eS	00 23 50	LR	17	40.6 (1)		
		eSS	00 30 40	LT	23	53.0 (1)		
		e	00 35 45	LZ	22	60.2 (1)		
		eLQ	00 41 20	LT	25	17.9 (2)		
		eLR	00 45 00	LZ	31	21.8 (2)		
		eL	00 48 45	LZ	23	36.7 (2)		
		eL	00 48 45	LR	24	29.4 (2)		
		eL	00 48 45	LT	19	63.9 (1)		
1	SJ	eLR	00 37 12	LT	22	34.1 (2)	84.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	00 39 45	LZ	23	14.1 (3)		
		eL	00 39 45	LR	25	15.2 (2)		
		eL	00 39 45	LT	22	46.0 (2)		
1	DH	eL	00 49 00	LZ	38	15.2 (2)	106.0	
							AVG.	5.49
1	MN	eP	01 47 37.5	Z	0.5	5.0 (0)	1.3	
		eS	01 47 54	R	0.5	15.0 (0)		
							AVG.	5.49
1		02 07 38.2	46.7 N 152.4 E KURILE ISLANDS H =033 KM					
1		09 23 19.*	20.3 S 176.5 W TONGA ISLANDS H =033 KM					
1	CP	eP	09 56 09.5	Z	999.9	99.9 (9)		
1	LC	eP	09 56 43.0	Z	0.8	2.2 (0)		
1	WI	eP	09 58 48.0	Z	0.7	2.2 (0)		
1		10 49 54.8	36.4 N 71.5 E HINDU KUSH H =070 KM MAG 5.30- CGS					
1	WI	eP	11 42 13.0	Z	999.9	99.9 (9)		
1		12 30 55.8	15.0 S 172.4 W TONGA ISLANDS H =033 KM					
1	MN	eP	12 42 28.0	Z	1.1	23.4 (0)	74.0	5.06
		eP AS	12 42 37.5	Z	1.1	37.4 (0)		5.26
		eSPP	12 53 07	LZ	24	28.2 (1)		
		eSS	12 56 52	LR	21	18.9 (1)		
		eLQ	13 01 48	LR	22	51.5 (1)		
		eLR	13 04 22	LZ	27	12.7 (2)		
1	WI	eP	12 42 50.9	Z	1.2	20.5 (0)	76.0	5.03
		eP AS	12 43 01.0	Z	1.2	37.6 (0)		5.29
		eLQ	13 03 07	LR	25	50.9 (1)		
		eLR	13 05 53	LZ	31	11.1 (2)		
		eL	13 06 25	LZ	27	95.5 (1)		
		eL	13 06 25	LR	23	29.2 (1)		
		eL	13 06 25	LT	25	66.8 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	M.G
1	FM	eP	12 42 53.0	Z	1.0	13.7 (0)	78.0	4.94
		eP AS	12 43 03.2	Z	1.2	31.8 (0)		5.22
		eLQ	13 03 53	LT	23	51.0 (1)		
		eLR	13 06 48	LR	30	62.6 (1)		
		eL	13 08 17	LR	24	64.2 (1)		
		eL	13 08 17	LT	23	10.7 (1)		
1	LC	eP	12 42 57.2	Z	0.8	2.9 (0)	79.0	4.30
		eP AS	12 43 06.0	Z	1.0	8.7 (0)		4.67
		eLR	13 06 45	LZ	25	95.2 (1)		
		eL	13 09 20	LT	22	61.2 (1)		
		eL	13 09 20	LR	22	55.3 (1)		
		eL	13 09 20	LZ	22	11.1 (2)		
1	PM	eP	12 43 22.5	Z	0.8	2.9 (0)	84.0	4.47
		eP AS	12 43 32.7	Z	1.2	15.5 (0)		5.01
		eLR	13 09 45	LZ	31	92.8 (1)		
1	MV	ePS	12 52 22	LT	24	78.3 (1)	72.0	
		eLQ	13 01 00	LR	25	41.4 (1)		
		eLR	13 03 53	LZ	30	11.5 (2)		
		eL	13 04 22	LZ	27	10.4 (2)		
		eL	13 04 22	LR	22	22.4 (1)		
		eL	13 04 22	LT	24	61.3 (1)		
1	CP	e	12 52 45	LZ	22	56.8 (1)	72.0	
		eLR	13 03 32	LZ	25	15.4 (2)		
1	SJ	eLR	13 09 30	LT	27	12.1 (2)	83.0	
1	NG	eLQ	13 12 10	LT	28	37.9 (1)	97.0	
		eLR	13 17 10	LZ	32	73.6 (1)		
		eL	13 19 30	LZ	25	10.2 (2)		
		eL	13 19 30	LR	23	73.7 (1)		
		eL	13 19 30	LT	20	24.3 (1)		
1	DH	eLR	13 21 09	LZ	33	97.2 (1)	106.0	
							AS .	5.09
							AVG.	4.76

1	NG	eP	13 48 42.5	Z	1.0	29.7 (0)		

1 14 37 01.7 15.1 S 72.0 W SOUTHERN PERU
H =122 KM

1 18 24 07.0 49.7 N 109.7 E CHITA REGION U.S.S.R.
H =033 KM

1	WI	eP	18 36 19.5	Z	1.0	3.3 (0)	81.0	4.25

1 19 36 04.4 00.1 N 123.1 E CELEBES REGION
H =145 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	20 08 34.4		14.9 N 119.7 E W. COAST OF LUZON, P.I.					
			H =033 KM MAG 4.80- CGS					
1	20 36 09.5		39.0 N 15.0 E MEDITERRANEAN SEA					
			H =285 KM MAG 4.40- CGS					
1	21 08 17.3		22.2 S 169.6 E LOYALTY ISLANDS REGION					
			H =035 KM MAG 4.80- CGS					
1	MN	eP	21 21 17.7	Z	1.1	16.3 (0)	91.0	5.23
		eLQ	21 43 35	LR	25	33.4 (2)		
		eLR	21 47 30	LZ	28	99.9 (9)		
1	21 13 52.7		15.2 S 173.5 W SAMOA ISLANDS REGION					
			H =033 KM MAG 5.50- CGS					
1	CP	eP	21 25 18.2	Z	1.7	11.3 (1)	73.0	5.62
		eS	21 34 53	LT	22	62.0 (1)		
		ePS	21 35 26	LR	22	30.6 (2)		
		eLQ	21 43 40	LT	34	51.8 (2)		
		eLR	21 46 27	LZ	26	72.6 (2)		
		eL	21 48 47	LZ	22	75.4 (2)		
		eL	21 48 47	LR	12	37.0 (2)		
		eL	21 48 47	LT	23	35.5 (2)		
1	MV	eP	21 25 19.5	Z	1.5	58.8 (0)	73.0	5.39
		ePS	21 35 00	LT	23	38.2 (2)		
		eLQ	21 44 05	LR	26	32.2 (2)		
		eLR	21 47 00	LZ	27	39.1 (2)		
		eL	21 48 05	LZ	24	31.6 (2)		
		eL	21 48 05	LR	22	86.5 (1)		
		eL	21 48 05	LT	24	26.5 (2)		
1	MN	eP	21 25 28.6	Z	1.5	11.1 (1)	75.0	5.60
		eP	21 25 29	LZ	13	73.0 (1)		
		e	21 30 16	Z	2.0	23.7 (0)		
		e	21 31 21	Z	2.3	43.1 (0)		
		eLR	21 35 07	LZ	18	12.6 (2)		
1	WI	eP	21 25 51.5	Z	1.5	98.2 (0)	77.0	5.61
		ePP	21 28 46	Z	1.6	19.1 (0)		
		eS	21 35 40	LR	18	16.6 (2)		
		ePS	21 36 25	LT	18	21.0 (2)		
		eLQ	21 46 00	LR	26	49.5 (2)		
		eLR	21 49 00	LZ	29	36.7 (2)		
		eL	21 50 46	LZ	24	32.8 (2)		
		eL	21 50 46	LR	22	12.6 (2)		
		eL	21 50 46	LT	24	23.8 (2)		
1	FM	eP	21 25 54.4	Z	1.8	19.7 (1)	79.0	5.77

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	21 35 54	LT	16	25.8 (2)		
		eS	21 35 54	LR	20	80.4 (1)		
		ePS	21 36 36	LR	28	22.4 (2)		
		eLQ	21 47 22	LT	21	41.5 (2)		
		eLR	21 49 52	LR	26	99.9 (9)		
1	LC	iP	21 25 58.5D	Z	1.6	13.7 (1)	80.0	5.60
		eP	21 25 59	LZ	16	60.1 (1)		
		eS	21 36 05	LT	21	13.6 (2)		
		ePS	21 36 50	LR	25	15.1 (2)		
		eSS	21 41 25	LT	20	13.6 (2)		
		eLQ	21 48 55	LR	17	11.4 (2)		
		eLR	21 50 00	LZ	27	48.4 (2)		
1	PM	eP	21 26 23.0	Z	1.8	24.0 (1)	84.0	6.02
		eP	21 26 25	LZ	12	84.2 (1)		
		e	21 26 53	Z	1.7	13.3 (1)		
		eS	21 36 50	LT	17	25.8 (2)		
		eS	21 36 50	LR	15	14.6 (2)		
		ePS	21 37 45	LR	22	19.4 (2)		
		eSS	21 42 45	LT	20	94.4 (1)		
		e	21 49 05	LT	33	36.1 (2)		
		eLQ	21 49 50	LT	24	48.3 (2)		
		eLR	21 53 15	LZ	25	54.8 (2)		
		eL	21 54 46	LZ	24	54.9 (2)		
		eL	21 54 46	LR	24	63.5 (2)		
		eL	21 54 46	LT	23	13.8 (2)		
1	SJ	eP	21 26 24.5	Z	1.7	35.2 (1)	84.0	6.21
		eP	21 26 25	LZ	13	16.1 (2)		
		eS	21 36 55	LT	22	23.8 (2)		
		eLR	21 52 32	LT	25	44.2 (2)		
		eL	21 54 37	LZ	24	22.5 (2)		
		eL	21 54 37	LR	25	28.3 (2)		
		eL	21 54 37	LT	23	72.8 (2)		
1	NG	eP	21 27 25.0	Z	1.0	19.8 (0)	98.0	5.73
		eSKS	21 37 58	LR	17	81.2 (1)		
		ePS	21 39 50	LR	27	52.1 (1)		
		eSS	21 45 40	LT	23	11.3 (2)		
		e	21 50 50	LZ	22	99.1 (1)		
		eLQ	21 55 03	LT	34	34.2 (2)		
		eLR	22 00 00	LZ	31	38.0 (2)		
		eL	22 02 32	LZ	26	67.2 (2)		
		eL	22 02 32	LR	24	46.9 (2)		
		eL	22 02 32	LT	22	14.9 (2)		
1	DH	eLQ	22 01 30	LT	22	64.9 (1)	107.0	
		eLR	22 04 05	LZ	30	22.1 (2)		
		eL	22 09 52	LZ	22	44.8 (2)		
		eL	22 09 52	LR	20	35.4 (2)		
		eL	22 09 52	LT	20	11.1 (2)		
							AVG.	5.73
1	WI	eP	21 21 37.5	Z	1.1	12.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	LC	eP	21 24 05.5	Z	0.9	1.9 (0)		
1		22 17 54.3	28.3 N 139.1 E SOUTH OF HONSHU, JAPAN H =524 KM MAG 4.40- CGS					
1	MN	eP	22 29 20.3	Z	0.7	1.8 (0)	82.0	3.73
1	WI	eP	22 29 26.5	Z	0.8	2.6 (0)	81.0	3.79
							AVG.	3.76
1	CP	eP	23 23 57.0	Z	0.2	10.9 (0)	1.2	
		eS	23 24 12	T	0.2	99.9 (9)		
1		23 44 52.7	21.4 S 169.2 E LOYALTY ISLANDS REGION H =018 KM					
1	MN	eP	23 57 53.0	Z	0.9	4.3 (0)	91.0	4.76
2		01 16 31.*	17.7 N 94.2 W VERA CRUZ, MEXICO H =164 KM MAG 4.30- CGS					
2	SJ	eP	01 19 05.4	Z	0.9	38.5 (0)	10.0	4.91
2	LC	eP	01 20 34.3	Z	0.5	2.8 (0)	18.0	3.88
2	CP	eP	01 21 40.0	Z	1.0	8.7 (0)	25.0	4.26
		e	01 22 11	Z	1.0	7.2 (0)		
2	PM	eP	01 21 45.0	Z	0.8	2.9 (0)	25.0	3.90
		epP	01 22 20	Z	1.0	8.4 (0)		
		ePCP	01 25 11	Z	0.8	4.9 (0)		
2	FM	eP	01 21 55.3	Z	0.7	3.4 (0)	26.0	4.12
		ePP	01 22 44	Z	0.7	3.4 (0)		
2	NG	eP	01 22 10.6	Z	0.7	9.6 (0)	28.0	4.60
2	MN	eP	01 22 20.6	Z	0.8	8.1 (0)	29.0	4.47
		ePCP	01 25 21	Z	0.7	2.8 (0)		
2	DH	eP	01 22 21.2	Z	0.8	29.8 (0)	29.0	5.03
2	WI	eP	01 22 33.3	Z	0.8	16.0 (0)	30.0	4.80
		epP	01 23 06	Z	0.5	6.8 (0)		
							AVG.	4.44
2	CP	eP	01 56 36.3	Z	0.2	0.6 (0)	1.4	
		eS	01 56 53	T	0.2	99.9 (9)		
2	SJ	eP	02 43 52.3	Z	1.0	33.3 (0)		
2	LC	eP	03 52 13.0	Z	0.8	1.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	LC	eL	03 54 08	R	0.8	20.3 (0)		
2	LC	eLQ	03 54 08	LR	15	15.0 (2)		
2	WI	eP	03 54 22.2	Z	1.5	9.9 (0)		
2	LC	eLR	03 54 51	LZ	15	49.3 (1)		
2	SJ	e	03 56 20	R	2.5	40.4 (1)		
2	SJ	e	03 56 35	T	2.3	37.4 (1)		
2	SJ	eL	03 56 50	LT	17	10.6 (2)		
2	LC	eP	04 05 50.0	Z	0.7	1.2 (0)		
2	LC	e	04 06 04	Z	0.7	4.9 (0)		
2	MN	eP	04 07 46.8	Z	1.0	4.0 (0)		
2	LC	eL	04 07 50	R	0.7	42.6 (0)		
2	WI	eP	04 08 00.5	Z	999.9	99.9 (9)		
2	LC	eLQ	04 08 10	LR	15	35.1 (2)		
2	WI	eP	04 08 13.0	Z	1.0	6.7 (0)		
2	LC	eLR	04 08 42	LZ	15	10.6 (2)		
2	CP	eL	04 09 00	LZ	16	88.3 (1)		
2	SJ	e	04 10 06	R	1.8	34.6 (1)		
2	SJ	eL	04 10 15	LT	17	23.7 (2)		
2	FM	eL	04 11 25	T	2.0	42.9 (0)		
2	FM	eL	04 11 32	LR	13	69.6 (1)		
2	MV	eL	04 12 30	LZ	17	16.7 (1)		
2	PM	eLQ	04 12 42	LR	16	64.1 (1)		
2	PM	eLR	04 14 00	LZ	13	12.2 (2)		
2	NG	eL	04 18 12	LT	16	11.2 (2)		
2	FM	eP	04 19 14.5	Z	0.3	2.4 (0)	1.5	
		eS	04 19 33	T	0.4	1.7 (0)		
2	MN	eP	04 21 46.3	Z	0.8	1.9 (0)		
2	CP	eP	04 30 34.7	Z	0.3	1.5 (0)	0.8	
		eS	04 30 45	T	0.3	14.7 (0)		
2	LC	eP	05 08 07.7	Z	0.5	7.5 (0)	1.9	
		eS	05 08 33	T	0.5	30.1 (0)		
2	CP	eP	06 45 54.6	Z	0.5	1.6 (0)		
2	CP	e	06 46 00	Z	0.5	3.8 (0)		
2	CP	eP	07 03 54.4	Z	0.2	2.7 (0)	1.1	
		eS	07 04 09	T	0.3	10.5 (0)		

2 07 07 57.9 27.8 N 95.6 E ASSAM, INDIA
H =143 KM MAG 4.90- CGS

2 10 00 00.1 06.1 S 154.4 E SOLOMON ISLANDS REGION
H =049 KM MAG 5.80- CGS

2	MV	eP	10 12 55.2	Z	0.8	4.9 (0)	89.0	4.74
		eP	10 12 56	LZ	18	49.8 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	10 16 27	LZ	20	19.6 (1)		
		eSKS	10 23 40	LR	13	51.2 (1)		
		ePS	10 24 48	LR	18	59.4 (1)		
		eSS	10 29 52	LR	17	38.9 (1)		
		eSSS	10 33 30	LR	25	71.4 (1)		
		e	10 36 30	LZ	24	68.3 (1)		
		eLR	10 40 25	LZ	27	22.4 (2)		
		eL	10 49 30	LR	18	16.2 (2)		
		eL	10 49 30	LT	18	15.1 (2)		
		eL	10 49 30	LZ	18	30.3 (2)		
2	MN	eP	10 13 04.8	Z	0.9	21.2 (0)	92.0	5.47
		eP	10 13 06	LZ	18	28.3 (1)		
		e	10 13 11	Z	1.2	29.9 (0)		
		e	10 13 21	Z	1.2	24.9 (0)		
		ePP	10 16 44	Z	1.3	6.2 (0)		
		ePS	10 25 20	LR	22	62.6 (1)		
		eSS	10 30 47	LT	28			
		eSSS	10 34 00	LT	28			
		eLQ	10 38 00	LT	30			
		eLR	10 41 35	LZ	28	12.4 (2)		
		eL	10 51 00	LZ	20	27.6 (2)		
		eL	10 51 00	LR	20	20.9 (2)		
		eL	10 51 00	LT	20			
2	WI	eP	10 13 09.0	Z	0.6	5.1 (0)	92.0	5.03
		eP	10 13 10	LZ	17	34.7 (1)		
		ePS	10 25 40	LT	28	73.0 (1)		
		eSS	10 30 35	LT	30	96.3 (1)		
		eSSS	10 34 12	LT	24	61.3 (1)		
		eLR	10 38 30	LZ	40	14.3 (2)		
		eL	10 44 00	LZ	22	27.0 (2)		
		eL	10 44 00	LR	20	12.6 (2)		
		eL	10 44 00	LT	22	26.6 (2)		
2	CP	eP	10 13 10.0	Z	1.0	18.8 (0)	93.0	5.42
		eP	10 13 11	LZ	17	60.1 (1)		
		eSP	10 25 38	LZ	21	62.6 (1)		
		e	10 30 22	LZ	23	62.4 (1)		
		e	10 34 15	LZ	27	99.3 (1)		
		e	10 36 47	LZ	24	72.6 (1)		
		e	10 39 45	LZ	23	10.9 (2)		
		eLR	10 42 37	LZ	24	26.9 (2)		
2	FM	eP	10 13 27.0	Z	1.0	6.9 (0)	96.0	5.14
		ePS	10 26 19	LR	24	53.2 (1)		
		eSS	10 31 45	LR	29	51.4 (1)		
		eSSS	10 35 28	LR	32	93.8 (1)		
		eLQ	10 39 15	LT	26	34.3 (1)		
		eLR	10 44 37	LZ	26	30.0 (2)		
		eL	10 52 54	LT	20	21.0 (2)		
		eL	10 52 54	LR	20	17.4 (2)		
		eL	10 52 54	LZ	19	51.5 (2)		
2	LC	eP	10 13 48.0	Z	0.7	1.2 (0)	102.0	4.69
		eP	10 13 52	LZ	10	80.5 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	10 18 00	LZ	10	67.1 (1)		
		ePS	10 27 00	LR	22	63.8 (1)		
		eSS	10 33 00	LR	28	69.9 (1)		
		eSS	10 36 30	LR	28	87.4 (1)		
		eLQ	10 42 25	LT	35	10.0 (2)		
		eLR	10 46 00	LZ	25	21.8 (2)		
		eL	10 52 00	LZ	21	28.8 (2)		
		eL	10 52 00	LR	22	23.9 (2)		
		eL	10 52 00	LT	22	10.8 (2)		
2	PM	eP	10 13 52.3	Z	1.0	3.3 (0)	102.0	4.97
		eP	10 13 55	LZ	15	19.6 (1)		
		ePP	10 18 02	LZ	17	32.1 (1)		
		ePS	10 27 20	LR	20	68.4 (1)		
		ePPS	10 28 15	LR	22	68.1 (1)		
		eSS	10 33 07	LR	23	75.6 (1)		
		eSSS	10 36 27	LR	25	90.3 (1)		
		eLR	10 47 02	LZ	30	51.5 (1)		
		eL	10 52 10	LT	22	27.4 (2)		
		eL	10 52 10	LR	21	83.4 (1)		
		eL	10 52 10	LZ	22	29.4 (2)		
2	NG	ePP	10 19 25	LZ	19	19.8 (1)	113.0	
		ePS	10 29 03	LR	24	86.8 (1)		
		ePPS	10 30 03	LR	18	43.3 (1)		
		eSS	10 35 52	LR	30	86.5 (1)		
		eSSS	10 39 40	LR	28	10.2 (2)		
		eLR	10 52 25	LZ	26	67.7 (1)		
		eL	10 58 30	LR	22	35.5 (2)		
		eL	10 58 30	LT	20	22.6 (2)		
		eL	10 58 30	LZ	23	51.6 (2)		
2	DH	ePP	10 20 37	LZ	17	46.0 (1)	123.0	
		eSKP	10 22 56	LZ	20	54.1 (1)		
		e	10 28 07	LR	30	85.2 (1)		
		ePPS	10 32 10	LR	32	94.3 (1)		
		eLR	10 59 12	LZ	30	21.0 (2)		
		eL	11 04 24	LR	22	46.6 (2)		
		eL	11 04 24	LT	22	27.8 (2)		
		eL	11 04 24	LZ	24	10.4 (3)		
2	SJ	ePS	10 28 27	LT	23	52.8 (1)	108.0	
		eLQ	10 42 20	LT	23	64.1 (1)		
		eLR	10 50 00	LT	28	12.0 (2)		
						AVG.		5.07
2	FM	eP	12 26 51.0	Z	0.3	13.6 (0)	1.2	
		eS	12 27 07	T	0.3	7.9 (0)		
2	LC	eP	13 10 33.8	Z	999.9	99.9 (9)		
2	CP	eP	13 16 22.5	Z	0.2	0.6 (0)	1.3	
		eS	13 16 40	R	0.2	6.0 (0)		
2	CP	eP	17 05 15.4	Z	0.2	2.7 (0)	0.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	17 05 25	T	0.2	4.9 (0)		
2	CP	eP	17 15 00.0	Z	0.2	0.6 (0)	1.6	
		eS	17 15 21	T	0.3	2.1 (0)		
2	17 58 08.7	53.8 N 163.7 W	ALASKA PENINSULA REGION					
		H =036 KM MAG	4.10- CGS					
2	WI	eP	18 04 41.8	Z	0.6	0.9 (0)	33.0	3.86
2	MN	eP	18 04 55.6	Z	0.8	0.9 (0)	34.0	3.74
2	LC	eP	18 06 26.1	Z	999.9	99.9 (9)	46.0	
2	NG	eP	18 06 40.0	Z	0.7	4.8 (0)	47.0	4.63
							AVG.	4.07
2	CP	eP	20 20 47.3	Z	0.2	6.2 (0)	1.3	
		eS	20 21 05	T	0.3	17.9 (0)		
2	21 04 24.2	58.5 S 15.6 W	SANDWICH ISLANDS REGION					
		H =050 KM MAG	5.90- CGS					
2	LC	eP'	21 23 06.5	Z	999.9	99.9 (9)	117.0	
		e	21 23 10	Z	1.8	17.8 (0)		
		ePP	21 24 22	LZ	20	63.1 (1)		
		ePP	21 26 55	LZ	20	42.0 (1)		
		e	21 31 20	LR	20	64.1 (1)		
		ePS	21 34 00	LR	24	36.0 (2)		
		ePPS	21 35 10	LR	20	16.0 (2)		
		eSS	21 40 00	LR	28	69.9 (2)		
		eSSS	21 45 00	LR	30	26.2 (2)		
		eLQ	21 51 00	LR	25	15.3 (2)		
		eLR	22 00 50	LZ	35	48.6 (2)		
2	NG	eP'	21 23 09.6	Z	1.0	9.7 (0)	120.0	
		ePP	21 24 38	LZ	17	10.3 (2)		
		ePS	21 34 18	LT	26	22.0 (2)		
		ePPS	21 35 30	LT	20	11.1 (2)		
		eSS	21 41 20	LT	34	52.4 (2)		
		eSSS	21 45 30	LT	24	15.8 (2)		
		eLQ	21 49 50	LT	22	18.3 (2)		
		eLR	22 00 30	LZ	35	77.1 (2)		
2	PM	eP'	21 23 16.2	Z	0.7	2.5 (0)	124.0	
		e	21 23 21	Z	0.8	14.9 (0)		
		e	21 23 27	Z	0.9	20.7 (0)		
		ePP	21 24 53	Z	2.3	61.2 (0)		
		ePP	21 25 05	LZ	18	73.6 (1)		
		eSKS	21 30 15	LT	18	62.6 (1)		
		eS	21 32 02	LT	17	10.7 (2)		
		ePS	21 35 00	LT	22	17.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePPS	21 36 22	LT	23	18.2 (2)		
		eSS	21 42 10	LT	999.9	99.9 (9)		
		eSSS	21 46 20	LT	25	25.0 (2)		
		eL	22 02 28	LT	999.9	99.9 (9)		
		eL	22 16 15	LZ	21	43.9 (2)		
		eL	22 16 15	LR	21	35.6 (2)		
		eL	22 16 15	LT	22	62.4 (2)		
2	CP	eP'	21 23 17.0	Z	1.0	13.0 (0)	123.0	
		ePP	21 24 52	Z	1.8	34.6 (0)		
		ePP	21 24 58	LZ	13	79.1 (1)		
		ePS	21 33 50	LT	28	22.3 (2)		
		ePPS	21 37 12	LT	25	16.9 (2)		
		eSS	21 41 32	LT	28	48.8 (2)		
		eSSS	21 46 07	LT	35	23.4 (2)		
		eLQ	21 56 00	LT	35	27.1 (2)		
		eLR	22 03 18	LZ	30	40.3 (2)		
		eL	22 17 57	LT	24	30.2 (2)		
		eL	22 17 57	LR	24	23.1 (2)		
		eL	22 17 57	LZ	23	16.6 (2)		
2	SJ	ePP	21 23 17	LZ	14	26.5 (2)	109.0	
		e	21 26 38	LZ	13	11.0 (2)		
		e	21 32 30	LZ	21	34.3 (2)		
		e	21 34 10	LZ	18	24.8 (2)		
		e	21 35 15	LT	28	23.1 (2)		
		eSS	21 38 57	LT	23	99.9 (9)		
		eL	21 53 50	LT	23	99.9 (9)		
2	FM	eP'	21 23 20.5	Z	1.0	6.9 (0)	126.0	
		e	21 23 25	Z	0.9	13.3 (0)		
		ePP	21 25 12	Z	1.5	30.6 (0)		
		ePP	21 25 14	LZ	13	35.7 (2)		
		ePPP	21 27 48	LZ	13	43.6 (2)		
		e	21 42 00	LR	32	17.3 (2)		
		eSS	21 42 57	LT	23	40.1 (2)		
		e	21 43 40	LT	19	24.8 (2)		
		eSSS	21 46 58	LT	22	99.9 (9)		
		eLQ	21 56 52	LR	28	22.2 (2)		
		eLR	22 05 45	LZ	23	38.3 (2)		
		eL	22 11 54	LT	20	99.9 (9)		
		eL	22 11 54	LZ	20	89.9 (2)		
		eL	22 11 54	LR	25	14.8 (2)		
2	MN	eP'	21 23 25.5	Z	1.0	5.6 (0)	128.0	
		ePP	21 25 27	Z	2.2	54.1 (0)		
		ePP	21 25 27	LZ	18	68.8 (1)		
		eSKP	21 26 50	LZ	18	54.6 (1)		
		ePS	21 35 35	LR	20	52.4 (1)		
		ePPS	21 36 52	LR	21	13.2 (2)		
		e	21 38 13	LR	20	14.3 (2)		
		eSS	21 42 48	LR	30	24.5 (2)		
		eSSS	21 47 28	LR	25	27.6 (2)		
		eLR	22 05 10	LZ	28	26.4 (2)		
2	WI	eP'	21 23 28.6	Z	1.0	9.0 (0)	130.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	21 25 40	Z	2.0	84.6 (0)		
		ePP	21 25 55	LZ	20	67.9 (1)		
		ePKS	21 27 00	R	2.0	50.4 (0)		
		eSKP	21 27 11	LZ	20	72.4 (1)		
		eSP	21 36 00	LZ	20	58.8 (1)		
		eSPP	21 37 45	LZ	15	14.8 (2)		
		e	21 38 45	LZ	22	94.7 (1)		
		eSS	21 43 20	LT	26	21.5 (2)		
		eSSS	21 48 12	LR	28	17.1 (2)		
		e	21 52 27	LR	20	96.4 (1)		
		eLQ	21 58 00	LT	22	19.5 (2)		
		eLR	22 09 00	LZ	44	87.0 (2)		
2	MV	eP'	21 23 32.1	Z	1.0	6.6 (0)	130.0	
		e	21 23 40	Z	1.5	39.2 (0)		
		ePKS	21 26 55	LR	14	86.0 (1)		
		eSKS	21 30 43	LR	14	61.4 (1)		
		ePS	21 35 43	LR	16	76.2 (1)		
		ePPS	21 37 27	LR	16	76.2 (1)		
		eSS	21 43 35	LR	27	26.0 (2)		
		eSSS	21 47 50	LR	25	14.7 (2)		
		eLQ	21 51 55	LR	20	91.5 (1)		
		eLR	22 00 00	LR	27	71.4 (1)		
2	DH	eP	21 23 36	Z	999.9	99.9 (9)	112.0	
		ePP	21 23 40	LZ	17	12.6 (2)		
		ePS	21 33 04	LT	18	40.6 (2)		
		ePPS	21 34 17	LT	22	28.7 (2)		
		eSS	21 39 15	LT	25	10.1 (3)		
		eLQ	21 51 55	LT	35	22.2 (2)		
		eLR	21 57 50	LZ	31	36.5 (2)		
		eL	22 05 38	LT	21	98.1 (2)		
		eL	22 05 38	LR	19	10.0 (3)		
		eL	22 05 38	LZ	20	99.9 (9)		

2 21 07 13.7 32.8 S 179.0 W KERMADEC ISLANDS REGION
H =056 KM MAG 5.10- CGS

2	CP	eP	21 19 59.3	Z	0.8	7.7 (0)	88.0	4.91
2	MV	eP	21 20 05.6	Z	0.7	3.3 (0)	89.0	4.61
2	MN	eP	21 20 11.3	Z	1.0	5.6 (0)	91.0	4.79
2	WI	eP	21 20 21.8	Z	0.9	6.9 (0)	93.0	5.03
							AVG.	4.84

2	CP	eP	21 11 27.5	Z	0.2	13.8 (0)	0.4	
		eS	21 11 33	R	0.3	11.0 (0)		

2 22 22 00.0 13.8 N 90.8 W NEAR COAST OF GUATEMALA
H =068 KM MAG 5.10- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	SJ	eP	22 25 38.9	Z	0.9	32.1 (0)	16.0	4.52
2	LC	eP	22 27 04.3	Z	0.9	90.3 (0)	23.0	5.16
2	CP	eP	22 28 04.6	Z	1.0	10.1 (0)	30.0	4.53
		ePCP	22 31 05	Z	1.0	8.7 (0)		
2	PM	eP	22 28 05.3	Z	0.8	4.9 (0)	30.0	4.32
		ePCP	22 31 06	Z	0.8	7.9 (0)		
2	DH	eP	22 28 17.5	Z	0.9	15.5 (0)	31.0	4.80
2	FM	eP	22 28 20.0	Z	1.0	38.1 (0)	31.0	5.14
2	NG	eP	22 28 26.5	Z	1.0	9.7 (0)	32.0	4.55
2	MN	eP	22 28 44.8	Z	0.9	52.4 (0)	34.0	5.39
		ePCP	22 31 18	Z	0.9	9.3 (0)		
2	WI	eP	22 28 56.8	Z	1.0	11.2 (1)	36.0	5.72
		ePP	22 30 02	Z	1.0	19.1 (0)		
		ePCP	22 31 12	Z	1.0	11.2 (0)		
2	MV	eP	22 29 03.0	Z	1.0	6.6 (0)	37.0	4.45
		ePCP	22 31 25	Z	0.9	5.1 (0)		
							AVG.	4.86

2 22 26 20.3 08.2 N 74.8 W COLOMBIA
H =037 KM MAG 4.80- CGS

2	LC	eP	22 33 37.8	Z	1.0	7.5 (0)	38.0	4.44

3 04 44 11.8 19.1 S 177.8 W FIJI ISLANDS REGION
H =510 KM MAG 3.50- CGS

3 05 22 07.8 16.4 N 100.3 W OFF COAST GUERRERO, MEX.
H =033 KM

3 05 47 17.* 46.8 N 152.9 E KURILE ISLANDS
H =080 KM MAG 4.40- CGS

3	CP	eP	07 00 57.4	Z	0.4	2.9 (0)	0.8
		eS	07 01 08	R	0.4	5.8 (0)	
		eP	07 04 22.1	Z	0.4	3.4 (0)	
		eS	07 04 33	T	0.4	9.1 (0)	
3	CP	eP	07 13 37.9	Z	0.2	1.3 (0)	1.2
		eS	07 13 53	T	0.3	7.3 (0)	

3 07 18 05.7 21.0 S 175.6 W TONGA ISLANDS
H =037 KM MAG 4.80- CGS

3 07 20 07.7 40.0 N 143.1 E OFF E. COAST HONSHU, JAPAN
H =026 KM MAG 4.50- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	PM	eP	07 32 05.5	Z	0.5	1.2 (0)	78.0	4.22
3	CP	eP	07 21 58.9	Z	0.3	2.5 (0)	0.6	
		eS	07 22 07	R	0.3	10.0 (0)		

3 07 35 54.3 34.2 N 138.7 E HONSHU, JAPAN
H =043 KM MAG 5.30- CGS

3	MV	eP	07 47 39.0	Z	1.0	3.3 (0)	76.0	4.29
		eP	07 47 43	LZ	12	25.4 (1)		
		eS	07 57 25	LR	17	45.1 (1)		
		eS	07 57 25	LT	11			
		eL	08 07 30	LT	30			
3	MN	eP	07 47 53.5	Z	1.2	10.2 (0)	78.0	4.70
		eLQ	08 08 55	LR	40	10.3 (2)		
		eLR	08 32 30	LZ	22	90.7 (1)		
		eL	08 36 00	LZ	22	14.8 (2)		
		eL	08 36 00	LR	22	11.7 (2)		
3	FM	eP	07 48 11.5	Z	1.5	51.0 (0)	81.0	5.24
		eS	07 58 25	LT	15	73.9 (1)		
		eL	08 11 55	LR	25	10.9 (2)		
3	CP	eP	07 48 20	LZ	10	18.5 (2)	83.0	
		eS	07 58 40	LT	20	14.4 (1)		
		eS	07 58 40	LR	20	27.7 (1)		
		eSS	08 04 15	LT	21	38.4 (1)		
		ePKKS	08 10 41	LR	25	12.8 (2)		
		eLQ	08 11 05	LT	27	40.5 (1)		
		eLR	08 14 05	LZ	30	19.4 (2)		
		eL	08 15 20	LZ	25	24.6 (2)		
		eL	08 15 20	LR	25	54.9 (1)		
		eL	08 15 20	LT	25	90.4 (1)		
3	PM	eP	07 48 25.5	Z	1.3	25.9 (0)	84.0	5.17
3	NG	eP	07 48 50.0	Z	1.0	19.4 (0)	90.0	5.24
		eP	07 48 50	LZ	11	12.9 (1)		
		ePP	07 52 30	LZ	14	10.0 (1)		
		eS	07 59 45	LR	18	14.5 (1)		
		eS	07 59 45	LT	17	17.1 (1)		
		eSS	08 05 40	LR	25	21.4 (1)		
		eL	08 12 40	LR	25	18.4 (1)		
3	LC	eS	07 59 40	LT	15	34.3 (1)	90.0	
		eS	07 59 40	LR	25	21.3 (1)		
		ePS	08 00 55	LR	19	40.8 (1)		
		e	08 02 10	LR	20	21.6 (1)		
		eSS	08 05 40	LR	22	16.1 (1)		
		e	08 13 10	LR	17	27.6 (1)		
		eLQ	08 18 10	LR	30	69.4 (1)		
		eLR	08 24 30	LZ	21	32.0 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	08 29 00	LZ	23	37.1 (1)		
		eL	08 29 00	LR	22	80.6 (1)		
		eL	08 29 00	LT	20	93.3 (1)		
3	SJ	eS	08 01 05	LT	17	45.1 (1)	98.0	
		e	08 03 17	LZ	17	47.4 (1)		
		ePPS	08 07 50	LT	21	45.8 (1)		
		eLQ	08 15 00	LT	23	35.1 (1)		
		eLR	08 19 30	LT	30	26.0 (2)		
		eL	08 33 00	LZ	27	39.1 (1)		
		eL	08 33 00	LR	19	50.2 (2)		
3	DH	eL	08 20 05	LR	40	13.9 (2)	98.0	
							AVG.	4.93
3	CP	eP	08 24 54.4	Z	0.3	18.4 (0)	0.8	
		eS	08 25 05	T	0.4	30.5 (0)		
3	09 44 36.*		39.9 N 144.9 E	EAST OF HONSHU, JAPAN				
			H =033 KM MAG 4.10- CGS					
3	11 31 48.7		05.3 N 72.9 W	COLOMBIA				
			H =021 KM MAG 5.00- CGS					
3	SJ	eP	11 38 22.6	Z	0.5	19.5 (0)	33.0	5.27
		eP	11 38 25	LZ	12	59.6 (1)		
		ePPP	11 39 47	LZ	14	53.8 (1)		
		e	11 41 36	LT	15	44.1 (1)		
		eS	11 43 33	LT	15	13.2 (2)		
		eS	11 43 38	T	2.2	61.7 (1)		
		ePCS	11 44 57	LT	15	66.2 (1)		
		eLQ	11 46 05	LT	15	30.9 (2)		
		eLR	11 48 07	LZ	22	96.1 (1)		
		eL	11 49 55	LZ	23	53.1 (2)		
		eL	11 49 55	LT	31	32.9 (2)		
3	DH	eP	11 38 59.0	Z	0.5	7.5 (0)	37.0	4.72
		eP	11 39 00	LZ	12	11.9 (2)		
		ePCP	11 41 18	Z	0.7	19.9 (0)		
		eS	11 44 55	LT	25	79.3 (1)		
		eLQ	11 47 52	LT	20	80.1 (1)		
		eLR	11 50 02	LZ	33	34.1 (2)		
		eL	11 53 55	LZ	22	48.7 (2)		
		eL	11 53 55	LR	25	87.3 (1)		
		eL	11 53 55	LT	22	21.9 (2)		
3	LC	eP	11 39 35.5	Z	1.0	82.5 (0)	42.0	5.43
		eP	11 39 37	LZ	13	23.1 (1)		
		eSCP	11 45 22	Z	1.0	17.5 (0)		
		eS	11 45 49	T	2.5	12.5 (1)		
		eS	11 45 50	LR	17	69.0 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	11 48 45	LT	15	17.1 (2)		
		eLR	11 53 40	LZ	30	16.8 (2)		
		eL	12 01 00	LZ	17	16.3 (2)		
		eL	12 01 00	LR	21	80.8 (1)		
		eL	12 01 00	LT	20	17.5 (2)		
3	NG	eP	11 39 43.5	Z	0.5	7.3 (0)	43.0	4.66
		eP	11 39 45	LZ	11	25.9 (1)		
		e	11 39 48	Z	0.5	14.6 (0)		
		e	11 41 30	LZ	17	18.9 (1)		
		eSCP	11 45 26	Z	0.5	7.3 (0)		
		eS	11 46 04	R	2.0	14.0 (1)		
		eS	11 46 05	LR	17	49.4 (1)		
		eS	11 46 05	LT	13	47.1 (1)		
		eSS	11 49 25	LT	16	10.3 (2)		
		eSCS	11 49 43	R	3.0	18.7 (1)		
		eLQ	11 51 05	LT	14	60.8 (1)		
		eLR	11 53 35	LZ	30	90.8 (1)		
		eL	11 55 40	LZ	27	17.5 (2)		
		eL	11 55 40	LR	25	10.4 (2)		
		eL	11 55 40	LT	28	10.9 (2)		
3	PM	eP	11 40 13.0	Z	0.5	2.5 (0)	46.0	4.46
		eP	11 40 16	LZ	12	42.2 (1)		
		ePP	11 41 50	LZ	13	34.1 (1)		
		ePPP	11 42 50	LZ	15	24.6 (1)		
		e	11 43 45	LZ	18	36.9 (1)		
		e	11 45 41	Z	1.0	10.1 (0)		
		eS	11 47 00	LR	17	15.8 (2)		
		eS	11 47 00	LT	17	30.0 (1)		
		eLQ	11 50 40	LR	24	18.4 (2)		
		eLR	11 56 10	LZ	30	18.4 (2)		
		eL	12 02 40	LZ	23	18.8 (2)		
		eL	12 02 40	LR	20	17.0 (2)		
		eL	12 02 40	LT	22	12.8 (2)		
3	CP	eP	11 40 34.9	Z	0.7	4.2 (0)	49.0	4.56
		eP	11 40 36	LZ	18	30.3 (1)		
		eS	11 47 35	LT	20	43.2 (1)		
		eSS	11 50 15	LR	15	10.1 (2)		
		eLQ	11 51 15	LR	15	72.3 (1)		
		eLR	11 54 15	LZ	21	62.1 (1)		
		eL	12 00 15	LZ	24	31.9 (2)		
		eL	12 00 15	LR	26	17.0 (2)		
		eL	12 00 15	LT	22	47.9 (1)		
3	FM	eP	11 40 36.0	Z	0.5	5.2 (0)	49.0	4.79
		eS	11 47 45	LR	28	73.2 (1)		
		eLQ	11 49 15	LT	16	58.1 (1)		
		eLR	11 59 20	LT	25	99.4 (1)		
		eL	12 03 00	LZ	20	20.6 (1)		
		eL	12 03 00	LR	25	14.6 (2)		
		eL	12 03 00	LT	17	37.7 (1)		
3	MN	eP	11 41 03.5	Z	0.6	6.2 (0)	53.0	4.73
		eP	11 41 05	LZ	12	99.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	11 48 30	LR	17	31.2 (1)		
		eSCS	11 50 05	LR	21	28.4 (1)		
		eLQ	11 52 20	LR	20	52.9 (1)		
		eLR	11 59 10	LZ	35	25.4 (2)		
		eL	12 03 00	LZ	25	18.4 (2)		
		eL	12 03 00	LR	25	14.1 (2)		
3	MV	eP	11 41 21.5	Z	0.6	4.8 (0)	55.0	4.71
		eP	11 41 22	LZ	15	19.8 (1)		
		eS	11 48 57	LT	18			
		eS	11 48 57	LR	15	33.1 (1)		
		eSCS	11 50 45	LT	16			
		eSS	11 52 52	LT	21			
		eLQ	11 55 15	LT	25			
		eLR	12 00 03	LZ	36	14.4 (2)		
		eL	12 04 00	LZ	21	50.7 (1)		
		eL	12 04 00	LR	25	11.1 (2)		
		eL	12 04 00	LT	25			
							AVG.	4.81
3	CP	eP	11 44 41.4	Z	0.3	6.1 (0)	0.1	
		eS	11 44 45	T	0.3	11.5 (0)		
3	12 18 26.*		02.8 N 72.7 W COLOMBIA					
			H =033 KM					
3	LC	eP	12 26 25.0	Z	1.0	2.5 (0)	43.0	3.89
3	CP	eP	12 27 36.0	Z	0.3	2.5 (0)	1.0	
		eS	12 27 50	T	0.3	5.2 (0)		
3	12 34 42.1		39.2 N 70.6 E TADZHIK, S.S.R.					
			H =033 KM MAG 4.70- CGS					
3	12 44 00.7		30.0 S 66.2 W SAN JUAN PROV., ARGENTINA					
			H =224 KM MAG 3.60- CGS					
3	CP	eP	12 47 08.4	Z	0.3	1.0 (0)	0.8	
		eS	12 47 19	R	0.4	4.8 (0)		
3	CP	eP	13 18 49.1	Z	0.4	9.4 (0)	0.1	
		eS	13 18 50	R	0.4	14.5 (0)		
3	CP	eP	13 35 40.4	Z	0.3	1.0 (0)	2.4	
		eS	13 36 11	T	0.4	4.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	M.G
3	CP	eP	13 40 21.4	Z	0.3	3.5 (0)	0.7	
		eS	13 40 31	R	0.3	23.1 (0)		
3	14 25 37.*		15.3 N 91.5 W GUATEMALA					
			H =033 KM MAG 4.20- CGS					
3	LC	eP	14 30 51.5	Z	0.6	5.2 (0)	23.0	4.17
3	14 42 49.5		04.4 S 102.5 E NEAR S. COAST OF SUMATRA					
			H =048 KM					
3	CP	eP	15 36 05.9	Z	0.3	1.5 (0)	0.7	
		eS	15 36 15	T	0.3	11.0 (0)		
3	CP	eP	16 10 44.6	Z	0.3	3.5 (0)	0.2	
		eS	16 10 49	T	0.6	13.5 (0)		
3	CP	eP	16 25 17.8	Z	0.3	7.1 (0)	1.0	
		eS	16 25 31	T	0.4	13.2 (0)		
3	MN	eP	16 53 30.5	Z	0.3	0.8 (0)	0.8	
		eS	16 53 41	T	0.3	2.3 (0)		
3	MN	eP	17 24 41.3	Z	0.3	3.5 (0)	0.1	
		eS	17 24 44	R	0.3	8.2 (0)		
3	LC	eP	18 35 14.0	Z	0.3	0.8 (0)	2.2	
		eS	18 35 44	T	0.4	4.3 (0)		
3	DH	eP	18 37 49.5	Z	0.4	17.3 (0)	1.9	
		eS	18 38 14	R	0.3	67.3 (0)		
3	CP	eP	18 41 57.9	Z	0.2	4.7 (0)	1.0	
		eS	18 42 11	R	0.2	6.7 (0)		
3	CP	eP	18 47 17.7	Z	0.3	4.1 (0)	0.4	
		eS	18 47 24	R	0.4	9.7 (0)		
3	18 48 54.8		29.5 S 177.8 W KERMADEC					
			H =049 KM MAG 5.50- CGS					
3	MV	eP	18 58 45.0	R	0.4	1.3 (0)	2.7	
		eS	18 59 18	R	0.3	3.8 (0)		
3	PM	eP	19 23 52.5	Z	0.2	9.6 (0)	1.4	
		eS	19 24 10	T	0.2	99.9 (9)		
3	LC	eP	19 49 25.0	Z	0.9	7.6 (0)		
3	MV	eP	19 50 22.1	Z	0.4	5.7 (0)		
3	LC	eLQ	19 56 20	LR	30	41.0 (1)		
3	LC	eLR	19 57 41	LZ	15	75.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN	eP	20 38 38.5	Z	0.3	0.8 (0)	0.7	
		eS	20 38 48	R	0.4	2.5 (0)		
3	DH	eP	20 39 44.1	Z	0.3	14.3 (0)	0.1	
		eS	20 39 46	T	0.4	20.4 (0)		
			*					
3	21 30 13.3		59.5 S 27.7 W SANDWICH ISLANDS H =045 KM MAG 5.60- CGS					
3	NG	eP	21 32 44.0	Z	0.2	4.6 (0)	2.4	
		eS	21 33 08	T	0.2	8.9 (0)		
3	CP	eP	22 09 58.9	Z	0.4	3.4 (0)	0.7	
		eS	22 10 07	R	0.4	10.6 (0)		
3	CP	eP	22 13 40.6	Z	0.3	99.9 (9)		
3	MV	eP	22 21 01.5	Z	0.8	10.8 (0)	5.9	
		eS	22 21 28	R	0.7	5.3 (0)		
3	CP	eP	22 58 33.4	Z	0.3	6.1 (0)	1.5	
		eS	22 58 53	T	0.3	11.5 (0)		
3	PM	eP	23 12 26.5	Z	0.3	8.4 (0)	1.1	
		eS	23 12 41	R	0.4	18.7 (0)		
4	00 01 17.7		03.4 S 135.6 E WESTERN NEW GUINEA H =044 KM					
4	MV	eP	00 25 32.4	Z	999.9	99.9 (9)	0.4	
		eS	00 25 39	R	0.4	6.1 (0)		
4	CP	eP	00 47 43.7	Z	0.2	6.8 (0)	0.8	
		eS	00 47 55	R	0.3	22.3 (0)		
4	CP	eP	01 09 38.2	Z	0.2	2.7 (0)	1.6	
		eS	01 09 50	R	0.2	6.7 (0)		
4	MV	eP	01 29 00.5	Z	0.3	10.1 (0)	0.8	
		eS	01 29 11	R	0.3	13.7 (0)		
4	MN	eP	01 29 19.2	Z	0.3	5.7 (0)	1.9	
		eS	01 29 45	R	0.4	6.5 (0)		
4	03 15 17.*		06.9 S 124.8 E BANDA SEA H =408 KM MAG 4.30- CGS					
4	11 44 12.0		08.1 N 126.8 E OFF COAST MINDANAO, P. I. H =161 KM MAG 5.00- CGS					
4	11 54 09.1		30.5 S 177.8 W KERMADEC ISLANDS H =033 KM MAG 5.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	CP	eP	12 06 45.8	Z	0.9	16.5 (0)	86.0	5.09
		eSKS	12 17 24	LR	19	13.3 (2)		
		eLR	12 33 02	LZ	27	12.3 (2)		
4	MV	eP	12 06 51.5	Z	999.9	99.9 (9)	87.0	
		eSKS	12 17 35	LR	19	56.2 (1)		
		e	12 19 34	LT	26	83.6 (1)		
		eLQ	12 30 22	LR	25	58.0 (1)		
		eLR	12 33 40	LZ	26	11.5 (2)		
4	MN	eP	12 06 58.2	Z	1.0	6.4 (0)	88.0	4.80
		eSKS	12 17 50	LR	21	63.0 (1)		
		eSS	12 23 57	LT	17	92.1 (1)		
		eLQ	12 30 32	LR	25	50.0 (1)		
		eLR	12 34 30	LZ	28	82.5 (1)		
4	WI	eP	12 07 08.6	Z	1.0	8.0 (0)	91.0	4.97
		eSKS	12 17 45	LR	19	46.5 (1)		
		ePS	12 19 16	LT	21	45.8 (1)		
		eSS	12 24 23	LT	23	25.3 (1)		
		eSKKS	12 31 45	LR	25	75.3 (1)		
		eLR	12 35 35	LZ	30	10.1 (2)		
4	LC	eP	12 07 15.0	Z	0.9	2.8 (0)	92.0	4.60
		e	12 07 23	Z	1.0	2.5 (0)		
		e	12 18 28	LZ	18	31.2 (1)		
		eSP	12 19 35	LZ	18	46.9 (1)		
		e	12 28 20	LR	24	30.0 (1)		
		eLQ	12 32 07	LR	26	28.3 (1)		
		eLR	12 36 25	LZ	29	69.3 (1)		
4	FM	eP	12 07 17.5	Z	0.9	8.0 (0)	92.0	5.04
		eSKS	12 18 00	LR	26	36.1 (1)		
		e	12 18 30	LT	17	11.1 (2)		
		eSS	12 24 51	LR	19	38.1 (1)		
		eLR	12 36 55	LZ	27	63.7 (1)		
		eL	12 38 00	LR	26	56.7 (1)		
		eL	12 38 00	LT	25	20.6 (1)		
		eL	12 38 00	LZ	26	64.4 (1)		
4	SJ	eSKS	12 18 12	LT	22	57.3 (1)	95.0	
		ePS	12 20 10	LT	22	74.2 (1)		
		eLR	12 38 50	LZ	27	92.6 (1)		
4	PM	eSKS	12 18 15	LR	18	73.1 (1)	97.0	
		ePS	12 20 39	LR	24	38.7 (1)		
		eLR	12 39 55	LZ	30	82.7 (1)		
4	NG	eSKS	12 19 23	LZ	20	85.6 (0)	111.0	
		ePS	12 22 58	LR	24	27.0 (1)		
		e	12 24 06	LR	20	27.3 (1)		
		eSS	12 29 01	LR	27	26.7 (1)		
		eLQ	12 42 05	LT	30	34.1 (1)		
		eLR	12 46 34	LZ	34	37.1 (1)		
		eL	12 51 10	LR	23	81.4 (1)		
		eL	12 51 10	LT	20	17.8 (1)		
		eL	12 51 10	LZ	23	35.4 (1)		
4	DH	eSKS	12 19 59	LR	20	41.7 (1)	119.0	
		eLR	12 52 02	LZ	28	11.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN	eP	20 38 38.5	Z	0.3	0.8 (0)	0.7	
		eS	20 38 48	R	0.4	2.5 (0)		
3	DH	eP	20 39 44.1	Z	0.3	14.3 (0)	0.1	
		eS	20 39 46	T	0.4	20.4 (0)		
			*					
3	21 30 13.3		59.5 S 27.7 W SANDWICH ISLANDS					
			H =045 KM MAG 5.60- CGS					
3	NG	eP	21 32 44.0	Z	0.2	4.6 (0)	2.4	
		eS	21 33 08	T	0.2	8.9 (0)		
3	CP	eP	22 09 58.9	Z	0.4	3.4 (0)	0.7	
		eS	22 10 07	R	0.4	10.6 (0)		
3	CP	eP	22 13 40.6	Z	0.3	99.9 (9)		
3	MV	eP	22 21 01.5	Z	0.8	10.8 (0)	5.9	
		eS	22 21 28	R	0.7	5.3 (0)		
3	CP	eP	22 58 33.4	Z	0.3	6.1 (0)	1.5	
		eS	22 58 53	T	0.3	11.5 (0)		
3	PM	eP	23 12 26.5	Z	0.3	8.4 (0)	1.1	
		eS	23 12 41	R	0.4	18.7 (0)		
4	00 01 17.7		03.4 S 135.6 E WESTERN NEW GUINEA					
			H =044 KM					
4	MV	eP	00 25 32.4	Z	999.9	99.9 (9)	0.4	
		eS	00 25 39	R	0.4	6.1 (0)		
4	CP	eP	00 47 43.7	Z	0.2	6.8 (0)	0.8	
		eS	00 47 55	R	0.3	22.3 (0)		
4	CP	eP	01 09 38.2	Z	0.2	2.7 (0)	1.6	
		eS	01 09 50	R	0.2	6.7 (0)		
4	MV	eP	01 29 00.5	Z	0.3	10.1 (0)	0.8	
		eS	01 29 11	R	0.3	13.7 (0)		
4	MN	eP	01 29 19.2	Z	0.3	5.7 (0)	1.9	
		eS	01 29 45	R	0.4	6.5 (0)		
4	03 15 17.*		06.9 S 124.8 E BANDA SEA					
			H =408 KM MAG 4.30- CGS					
4	11 44 12.0		08.1 N 126.8 E OFF COAST MINDANAO, P. I.					
			H =161 KM MAG 5.00- CGS					
4	11 54 09.1		30.5 S 177.8 W KERMADEC ISLANDS					
			H =033 KM MAG 5.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	CP	eP	12 06 45.8	Z	0.9	16.5 (0)	86.0	5.09
		eSKS	12 17 24	LR	19	13.3 (2)		
		eLR	12 33 02	LZ	27	12.3 (2)		
4	MV	eP	12 06 51.5	Z	999.9	99.9 (9)	87.0	
		eSKS	12 17 35	LR	19	56.2 (1)		
		e	12 19 34	LT	26	83.6 (1)		
		eLQ	12 30 22	LR	25	58.0 (1)		
		eLR	12 33 40	LZ	26	11.5 (2)		
4	MN	eP	12 06 58.2	Z	1.0	6.4 (0)	88.0	4.80
		eSKS	12 17 50	LR	21	63.0 (1)		
		eSS	12 23 57	LT	17	92.1 (1)		
		eLQ	12 30 32	LR	25	50.0 (1)		
		eLR	12 34 30	LZ	28	82.5 (1)		
4	WI	eP	12 07 08.6	Z	1.0	8.0 (0)	91.0	4.97
		eSKS	12 17 45	LR	19	46.5 (1)		
		ePS	12 19 16	LT	21	45.8 (1)		
		eSS	12 24 23	LT	23	25.3 (1)		
		eSKKS	12 31 45	LR	25	75.3 (1)		
		eLR	12 35 35	LZ	30	10.1 (2)		
4	LC	eP	12 07 15.0	Z	0.9	2.8 (0)	92.0	4.60
		e	12 07 23	Z	1.0	2.5 (0)		
		e	12 18 28	LZ	18	31.2 (1)		
		eSP	12 19 35	LZ	18	46.9 (1)		
		e	12 28 20	LR	24	30.0 (1)		
		eLQ	12 32 07	LR	26	28.3 (1)		
		eLR	12 36 25	LZ	29	69.3 (1)		
4	FM	eP	12 07 17.5	Z	0.9	8.0 (0)	92.0	5.04
		eSKS	12 18 00	LR	26	36.1 (1)		
		e	12 18 30	LT	17	11.1 (2)		
		eSS	12 24 51	LR	19	38.1 (1)		
		eLR	12 36 55	LZ	27	63.7 (1)		
		eL	12 38 00	LR	26	56.7 (1)		
		eL	12 38 00	LT	25	20.6 (1)		
		eL	12 38 00	LZ	26	64.4 (1)		
4	SJ	eSKS	12 18 12	LT	22	57.3 (1)	95.0	
		ePS	12 20 10	LT	22	74.2 (1)		
		eLR	12 38 50	LZ	27	92.6 (1)		
4	PM	eSKS	12 18 15	LR	18	73.1 (1)	97.0	
		ePS	12 20 39	LR	24	38.7 (1)		
		eLR	12 39 55	LZ	30	82.7 (1)		
4	NG	eSKS	12 19 23	LZ	20	85.6 (0)	111.0	
		ePS	12 22 58	LR	24	27.0 (1)		
		e	12 24 06	LR	20	27.3 (1)		
		eSS	12 29 01	LR	27	26.7 (1)		
		eLQ	12 42 05	LT	30	34.1 (1)		
		eLR	12 46 34	LZ	34	37.1 (1)		
		eL	12 51 10	LR	23	81.4 (1)		
		eL	12 51 10	LT	20	17.8 (1)		
		eL	12 51 10	LZ	23	35.4 (1)		
4	DH	eSKS	12 19 59	LR	20	41.7 (1)	119.0	
		eLR	12 52 02	LZ	28	11.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.90
4	13 05 56.3		30.4 S 177.6 W KERMADEC ISLANDS					
			H =033 KM MAG 5.20- CGS					
4	CP	eP	13 18 32.7	Z	1.2	19.8 (0)	85.0	5.12
4	MN	eP	13 18 45.2	Z	1.2	6.6 (0)	88.0	4.74
4	WI	eP	13 18 55.9	Z	1.2	14.0 (0)	90.0	5.03
4	LC	eP	13 19 03.1	Z	1.1	4.6 (0)	92.0	4.72
4	FM	eP	13 19 04.6	Z	1.2	10.6 (0)	92.0	5.04
4	MV	eLR	13 45 33	LZ	28	30.7 (1)	87.0	4.97
							AVG.	4.94
4	14 44 05.2		04.8 S 129.9 E BANDA SEA					
			H =188 KM MAG 4.90- CGS					
4	SJ	eP	15 01 26.4	Z	0.6	10.5 (0)		
4	DH	eP	15 15 39.8	Z	0.6	8.2 (0)		
4	DH	eP	15 49 01.9	Z	0.6	8.2 (0)		
4	16 04 10.*		38.1 N 121.0 E YELLOW SEA REGION					
			H =033 KM					
4	CP	eP	16 09 56.5	Z	0.3	2.5 (0)	0.3	
		eS	16 10 02	R	0.3	14.2 (0)		
4	SJ	eP	16 45 02.3	Z	0.8	19.8 (0)		
4	SJ	eP	17 14 59.8	Z	0.8	14.8 (0)		
4	DH	eP	18 13 50.9	Z	0.3	10.5 (0)	1.6	
		eS	18 14 13	R	0.5	24.8 (0)		
4	SJ	eP	18 26 37.4	Z	0.2	39.9 (0)	0.8	
		eS	18 26 49	R	0.3	82.4 (0)		
4	19 21 56.6		18.9 N 146.2 E MARIANA ISLANDS					
			H =110 KM MAG 5.50- CGS					
4	MV	eP	19 33 56.7	Z	0.8	23.8 (0)	80.0	5.06
4	WI	eP'	19 34 08.8	Z	0.9	21.1 (0)	82.0	4.96
4	MN	eP	19 34 10.8	Z	0.7	20.2 (0)	82.0	5.05
		ePS	19 45 15	T	0.5	3.1 (0)		
4	CP	eP	19 34 26.9	Z	0.9	26.5 (0)	86.0	5.15
4	FM	eP	19 34 31.4	Z	0.9	32.0 (0)	86.0	5.24

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	PM	eP	19 34 50.0	Z	0.9	46.6 (0)	90.0	5.59
4	LC	eP	19 35 03.8	Z	1.0	31.2 (0)	93.0	5.57
							AVG.	5.23
4	CP	eP	20 03 04.0	Z	0.2	13.6 (0)	0.7	
		eS	20 03 44	R	0.3	12.1 (0)		
4	LC	eP	20 15 12.1	Z	0.3	12.0 (0)		
4	LC	eS	20 15 32	R	0.3	10.7 (0)		
4	20 29 02.5		19.2 N 97.0 W VERA CRUZ, MEXICO					
			H =152 KM MAG 4.20- CGS					
4	SJ	eP	20 31 05.6	Z	0.8	44.6 (0)	8.0	4.93
4	LC	eP	20 32 38.8	Z	0.7	2.4 (0)	15.0	3.65
4	CP	eP	20 33 46.1	Z	0.7	4.2 (0)	23.0	4.04
4	PM	eP	20 33 56.7	Z	999.9	99.9 (9)	23.0	
4	FM	eP	20 34 04.7	Z	0.7	8.6 (0)	23.0	4.34
4	MN	eP	20 34 28.9	Z	0.9	4.9 (0)	26.0	4.14
4	MV	eP	20 34 33.8	Z	0.5	2.5 (0)	28.0	4.15
4	WI	eP	20 34 42.7	Z	0.8	4.0 (0)	28.0	4.15
							AVG.	4.20
4	CP	eP	20 44 35.8	Z	0.3	11.2 (0)	1.4	
		eS	20 44 53	R	0.2	15.5 (0)		
4	21 04 42.3		01.2 S 127.3 E HALMAHERA REGION					
			H =031 KM MAG 5.20- CGS					
4	WI	ePD	21 19 10.3	Z	0.9	2.6 (0)	110.0	
		ePP	21 23 43	Z	0.9	13.2 (0)		
		eSKS	21 30 00	LR	25	14.3 (2)		
		ePS	21 33 15	LT	24	11.1 (2)		
		ePKKP	21 34 27	Z	0.8	1.3 (0)		
		e	21 35 23	LZ	23	76.8 (1)		
		eSS	21 40 00	LR	26	17.8 (2)		
		e	21 44 15	LR	25	10.5 (2)		
		eLQ	21 50 40	LT	28	12.2 (2)		
		eLR	21 55 15	LZ	29	27.7 (2)		
4	FM	eP'	21 23 22.2	Z	0.9	5.3 (0)	114.0	
		ePS	21 33 54	LT	22	18.2 (2)		
		e	21 34 55	LZ	28	12.3 (2)		
		eSS	21 40 19	LR	27	85.1 (1)		
		e	21 47 50	LR	23	77.8 (1)		
		eLR	22 00 00	LZ	28	37.2 (1)		
4	MV	ePP	21 23 26	LZ	999.9	99.9 (9)	107.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MDG
		e	21 24 41	LZ	12	89.1 (1)		
		eSKS	21 29 36	LR	20	58.6 (1)		
		eLQ	21 53 02	LR	25	10.3 (2)		
		eLR	21 57 50	LZ	21	16.8 (2)		
4	LC	eP'	21 23 35.0	Z	1.0	11.2 (0)	121.0	
		ePP	21 25 00	LZ	22	42.5 (1)		
		ePS	21 34 54	LR	23	18.5 (2)		
		e	21 39 39	LR	23	85.3 (1)		
		e	21 44 11	LR	22	72.9 (1)		
		eLQ	21 55 19	LT	34	42.6 (2)		
		eLR	22 01 30	LZ	26	21.5 (2)		
4	NG	eP'	21 23 42.5	Z	999.9	99.9 (9)	126.0	
		ePP	21 25 35	LZ	15	60.2 (1)		
		eSKS	21 30 52	LT	24	24.1 (1)		
		eSKKS	21 41 09	LR	23	54.2 (1)		
		eLQ	22 03 50	LT	27	16.0 (2)		
		eLR	22 06 40	LZ	29	17.3 (2)		
4	CP	ePP	21 24 05	Z	1.2	13.2 (0)	113.0	
4	SJ	ePP	21 25 58	LZ	14	12.6 (2)	129.0	
		eSP	21 35 55	LZ	18	12.4 (2)		
		e	21 45 35	LR	24	19.0 (2)		
		eLQ	22 01 42	LR	22	97.9 (1)		
		eLR	22 07 20	LZ	23	21.8 (2)		
4	DH	ePP	21 26 36	LZ	17	66.0 (1)	134.0	
		eSKS	21 27 37	LT	15	12.5 (2)		
		eLR	22 13 45	LZ	29	29.1 (2)		
4	PM	eSKKS	21 31 40	LT	16	99.5 (1)	118.0	
		ePS	21 34 26	LT	21	21.6 (2)		
		eLQ	21 54 45	LR	37	66.1 (2)		
		eLR	22 00 00	LZ	33	53.7 (2)		
4	MN	eLQ	21 52 40	LR	23	94.1 (2)	110.0	
		eLR	21 59 01	LZ	24	92.6 (2)		
4	DH	eP	21 09 50.5	Z	0.3	35.2 (0)	2.0	
		eS	21 10 17	R	0.4	68.1 (0)		
4	22 11 31.8	39.0 N 20.6 E GREECE						
		H =033 KM MAG 4.70- CGS						
4	CP	eP	22 30 50.6	Z	0.3	2.5 (0)	0.5	
		eS	22 30 58	R	0.3	17.2 (0)		
4	MV	eP	22 47 25.5	Z	0.2	1.5 (0)	1.5	
		eS	22 47 44	R	0.2	3.0 (0)		
4	CP	eP	22 55 58.2	Z	999.9	99.9 (9)		
4	PM	eP	23 21 25.1	Z	0.6	2.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	23 55 30.7	33.1 S 76.7 E INDIAN OCEAN						
		H =033 KM						
5	00 13 50.6	39.3 N 104.0 W COLORADO						
		H =033 KM						
5	05 07 03.7	30.7 S 177.6 W KERMADEC ISLANDS REGION						
		H =070 KM MAG 4.60- CGS						
5	MN	eLR	05 50 05	LZ	23	16.9 (1)	88.0	
5	LC	eLR	05 52 13	LZ	21	18.7 (1)	92.0	
5	CP	eLR	05 53 40	LZ	17	23.3 (1)	86.0	
5	NG	eLR	06 02 50	LZ	23	80.3 (0)	111.0	
5	05 32 09.2	34.6 S 81.5 E INDIAN OCEAN						
		H =033 KM						
5	NG	eL	06 52 48	LZ	38	32.2 (1)		
5	CP	eP	06 56 12.5	Z	0.2	3.4 (0)	3.0	
		eS	06 56 49	T	0.2	15.3 (0)		
5	08 50 21.2	19.7 S 177.8 W FIJI ISLANDS REGION						
		H =528 KM						
5	09 11 49.9	31.2 N 142.6 E S.E. OF HONSHU, JAPAN						
		H =033 KM MAG 4.80- CGS						
5	MV	eP	09 23 29.5	Z	0.5	2.5 (0)	75.0	4.43
5	WI	eP	09 23 40.0	Z	1.0	3.3 (0)	77.0	4.32
5	FM	eP	09 24 05.0	Z	0.5	2.6 (0)	81.0	4.45
5	CP	eP	09 24 08.0	Z	0.6	6.8 (0)	82.0	4.85
5	PM	eP	09 24 21.2	Z	1.0	15.2 (0)	85.0	5.08
5	NG	eP	09 24 50.0	Z	0.7	4.9 (0)	91.0	4.91
							AVG.	4.67
5	10 12 09.0	14.9 S 166.8 E NEW HEBRIDES ISLANDS						
		H =037 KM MAG 5.00- CGS						
5	MV	eP	10 24 45.0	Z	0.6	6.3 (0)	86.0	4.84
		eSP	10 36 30	LZ	28	36.9 (1)		
		e	10 44 43	LZ	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	10 48 03	LZ	25	38.6 (1)		
		eLR	10 51 09	LZ	26	11.7 (2)		
		eL	10 53 52	LT	22	89.5 (1)		
		eL	10 53 52	LR	22	52.0 (1)		
		eL	10 53 52	LZ	22	12.9 (2)		
5	CP	eP	10 24 52.5	Z	0.6	4.5 (0)	87.0	4.80
		eLR	10 52 17	LZ	25	79.7 (1)		
5	WI	eP	10 25 02.3	Z	0.5	0.8 (0)	89.0	4.18
		ePP	10 28 33	Z	1.5	9.8 (0)		
		ePS	10 37 13	LT	21	28.2 (1)		
		eLQ	10 49 35	LR	29	46.4 (1)		
		eLR	10 52 55	LZ	29	80.6 (1)		
		eL	10 55 55	LT	22	11.2 (2)		
		eL	10 55 55	LZ	22	12.4 (2)		
5	MN	eSP	10 36 44	LZ	22	24.7 (1)	88.0	
		eLQ	10 48 20	LR	32	20.1 (1)		
		eLR	10 51 58	LZ	28	11.1 (2)		
5	FM	eLR	10 54 35	LZ	26	74.0 (1)	93.0	
		eL	10 58 00	LR	23	75.3 (1)		
		eL	10 58 00	LT	22	30.4 (1)		
		eL	10 58 00	LZ	23	97.4 (1)		
5	LC	eLR	10 55 35	LZ	25	42.5 (1)	95.0	
5	SJ	eLR	11 00 00	LZ	26	22.1 (1)	101.0	
5	NG	eLR	11 05 00	LZ	30	44.0 (1)	111.0	
		eL	11 07 20	LR	24	60.2 (1)		
		eL	11 07 20	LT	24	18.6 (1)		
		eL	11 07 20	LZ	25	64.0 (1)		
5	DH	eLR	11 11 00	LZ	27	80.5 (1)	121.0	
		eL	11 13 06	LR	26	83.7 (1)		
		eL	11 13 06	LZ	25	10.0 (2)		
						AVG.		4.61
5	NG	eP	10 20 50.6	Z	0.9	7.6 (0)		
5	11 20 07.3		03.6 S 149.6 E BISMARK SEA					
			H =033 KM MAG 5.10- CGS					
5	WI	eP	11 33 31.2	Z	999.9	99.9 (9)	95.0	
		eLQ	12 00 00	LR	28	67.4 (1)		
		eLR	12 03 20	LZ	30	26.9 (1)		
5	MV	eSPP	11 46 07	LZ	13	50.6 (1)	91.0	
		eSS	11 50 40	LT	23	24.0 (1)		
		eLQ	11 58 15	LT	22	24.1 (1)		
		eLR	12 01 45	LZ	33	42.7 (1)		
5	MN	eSS	11 51 09	LR	24	22.2 (1)	94.0	
		eLQ	11 59 16	LR	30	22.7 (1)		
		eLR	12 02 35	LZ	30	39.9 (1)		
5	CP	eLR	12 04 11	LZ	25	65.2 (1)	95.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	FM	eLR	12 05 36	LZ	28	24.3 (1)	99.0	
5	NG	eLQ	12 06 33	LT	39	90.7 (1)	115.0	
		eLR	12 17 10	LZ	24	17.3 (1)		
5	LC	eLR	12 08 14	LZ	25	37.2 (1)	104.0	
5	SJ	eLR	12 11 45	LZ	31	53.3 (1)	111.0	
5	DH	eLR	12 27 40	LZ	20	10.1 (2)	125.0	
5	WI	eP	11 56 26.5	Z	1.7	9.2 (0)		
5	LC	eP	12 33 17.2	Z	0.5	1.4 (0)		
5	CP	eP	13 22 15.0	Z	0.2	2.5 (0)	0.8	
		eS	13 22 25	R	0.2	6.9 (0)		
5	CP	eP	13 34 00.0	Z	0.2	3.4 (0)	0.5	
		eS	13 34 07	R	0.2	19.0 (0)		
5	14 07 38.1		17.2 S 176.7 W TONGA ISLANDS REGION					
			H =033 KM MAG 4.80- CGS					
5	CP	eP	14 19 26.0	Z	1.2	8.3 (0)	76.0	4.64
		eLR	14 42 30	LZ	27	15.4 (2)		
5	MV	eP	14 19 26.8	Z	0.9	3.8 (0)	77.0	4.43
		eS	14 29 42	LT	27	40.1 (1)		
		eSSS	14 38 06	LR	28	75.9 (1)		
		eLR	14 42 25	LZ	29	12.9 (2)		
		eL	14 43 22	LT	25	75.3 (1)		
		eL	14 43 22	LR	22	27.7 (1)		
		eL	14 43 22	LZ	25	11.3 (2)		
5	MN	eP	14 19 36.0	Z	1.0	13.7 (0)	78.0	4.93
		ePS	14 30 18	LT	32	35.3 (1)		
5	WI	eP	14 19 46.5	Z	1.5	6.5 (0)	80.0	4.30
		eLR	14 44 20	LZ	25	0.7 (0)		
5	FM	eP	14 20 01.5	Z	1.5	20.4 (0)	83.0	5.03
		ePP	14 23 26	LZ	17	12.2 (1)		
		eS	14 30 20	LT	19	37.7 (1)		
		eL	14 42 05	LT	40	22.6 (2)		
		eLR	14 45 34	LZ	30	92.1 (1)		
		eL	14 47 58	LR	23	66.5 (1)		
		eL	14 47 58	LT	19	17.7 (1)		
		eL	14 47 58	LZ	22	96.5 (1)		
5	LC	eP	14 20 05.2	Z	0.8	2.2 (0)	84.0	4.34
		e	14 22 40	LZ	999.9	99.9 (9)		
		eLQ	14 42 32	LR	32	98.0 (1)		
		eLR	14 45 55	LZ	26	10.1 (2)		
		eL	14 48 30	LR	22	75.4 (1)		
		eL	14 48 30	LT	21	83.5 (1)		
		eL	14 48 30	LZ	22	13.3 (2)		
5	PM	eP	14 20 24.7	Z	0.8	4.0 (0)	88.0	4.70

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	NG	eSS	14 40 10	LR	20	23.0 (1)	101.0	
		eLR	14 55 42	LZ	32	83.6 (1)		
		eL	14 58 58	LR	23	83.3 (1)		
		eL	14 58 58	LT	21	28.8 (1)		
		eL	14 58 58	LZ	24	10.0 (2)		
5	DH	eLR	15 01 30	LZ	31	93.8 (1)	110.0	
		eL	15 07 45	LR	18	11.3 (2)		
		eL	15 07 45	LT	17	24.3 (1)		
		eL	15 07 45	LZ	18	15.3 (2)		
						AVG.		4.62
5	14 47 22.4		28.7 S 178.8 W KERMADEC ISLANDS H =194 KM MAG 4.10- CGS					
5	LC	eP	15 44 34.4	Z	0.6	1.5 (0)	2.5	
		eS	15 45 06	R	0.5	1.8 (0)		
5	LC	eP	17 36 59.4	Z	0.7	1.2 (0)		
5	LC	eP	18 14 42.5	Z	0.6	1.0 (0)		
5	LC	eL	18 16 17	R	0.5	2.3 (0)		
5	CP	eP	18 18 59.5	Z	0.3	9.0 (0)	0.1	
		eS	18 19 03	R	0.3	22.0 (0)		
5	FM	eP	19 30 14.0	Z	0.3	3.7 (0)	0.8	
		eS	19 30 25	R	0.2	14.2 (0)		
5	LC	eP	19 35 53.0	Z	0.6	1.5 (0)		
5	LC	eP	20 20 48.5	Z	0.7	1.2 (0)		
5	PM	eP	20 53 46.3	Z	0.2	13.7 (0)	0.1	
		eS	20 53 49	R	0.2	48.4 (0)		
5	PM	eP	21 22 21.8	Z	0.4	2.9 (0)	0.5	
		eS	21 22 29	R	0.5	8.3 (0)		
5	SJ	eP	21 30 08.1	Z	0.4	14.4 (0)		
5	CP	eP	21 33 15.0	Z	0.2	6.9 (0)	0.1	
		eS	21 33 19	R	0.2	25.9 (0)		
5	LC	eP	21 41 28.5	Z	0.2	7.1 (0)	1.4	
		eS	21 41 47	R	0.5	5.6 (0)		
5	MN	eP	22 02 14.4	Z	0.5	5.1 (0)	3.0	
5	FM	eP	22 02 33.7	Z	0.4	3.5 (0)	2.8	
5	WI	eP	22 02 41.0	Z	999.9	99.9 (9)	6.0	
5	MN	eS	22 02 54	R	0.5	20.2 (0)	3.0	
5	WI	e	22 02 56	Z	0.4	2.6 (0)	6.0	
5	CP	eP	22 02 56.5	Z	0.6	2.2 (0)	4.7	
5	FM	eS	22 03 19	R	0.4	8.0 (0)	2.8	
5	WI	eS	22 03 53	R	0.7	8.1 (0)	6.0	
5	CP	eS	22 03 54	T	0.5	2.1 (0)	4.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	22 41 01.8		02.9 S 119.7 E CELEBES H =063 KM MAG 4.60- CGS					
5	WI	e	23 23 53	LT	22	38.4 (1)	116.0	
		e	23 31 00	LT	34	78.3 (1)		
		eLR	23 49 05	LZ	36	1.3 (0)		
5	SJ	eP	22 44 52.5	Z	0.5	22.1 (0)	1.7	
		eS	22 45 15	R	0.5	47.3 (0)		
5	CP	eP	22 54 19.2	Z	0.2	5.1 (0)	1.4	
5	22 54 28.7		03.0 S 119.5 E CELEBES H =075 KM					
5	LC	eP'	23 13 28.6	Z	1.0	3.7 (0)	128.0	
		eSSS	23 37 42	LR	25	50.0 (1)		
		eLQ	23 41 16	LR	33	69.0 (1)		
		eLR	23 56 25	LZ	29	42.4 (1)		
5	CP	eS	22 54 36	T	0.2	9.9 (0)	1.4	
5	PM	eP	22 58 00	Z	0.4	8.7 (0)	0.3	
		eS	22 58 38	R	0.4	23.3 (0)		
5	LC	eP	23 01 21.5	Z	0.6	1.0 (0)		
5	LC	e	23 01 57	Z	0.5	1.8 (0)		
5	LC	eL	23 02 57	T	0.5	1.4 (0)		
5	PM	eP	23 18 07.5	Z	0.2	7.2 (0)	1.2	
		eS	23 18 23	T	0.3	40.5 (0)		
5	WI	eP	23 23 41.2	Z	0.9	1.7 (0)		
5	LC	eP	23 25 36.5	Z	0.6	2.0 (0)	0.9	
		eS	23 25 49	T	0.7	8.2 (0)		
5	PM	eP	23 37 06.0	Z	0.3	3.6 (0)	2.6	
		eS	23 37 39	R	0.4	8.7 (0)		
5	FM	eP	23 47 45.1	Z	0.4	5.9 (0)		
5	WI	eP	23 48 38.5	Z	0.5	0.4 (0)	5.0	
		eS	23 49 40	R	0.5	0.7 (0)		
6	05 18 55.1		19.9 N 120.2 E N. COAST OF LUZON, P.I. H =033 KM MAG 5.80- CGS					
6	MV	eP	05 32 27.5	Z	0.9	6.3 (0)	97.0	5.21
		eSKS	05 43 09	LR	15	58.1 (1)		
		eL	06 04 15	LZ	30	10.7 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	WI	eP	05 32 34.2	Z	1.3	30.2 (0)	98.0	5.80
		ePP	05 36 32	Z	1.0	3.4 (0)		
		eLR	06 08 30	LZ	20	39.2 (1)		
6	FM	eP	05 32 54.2	Z	1.1	12.6 (0)	103.0	5.59
		ePP	05 37 13	Z	1.0	6.8 (0)		
		eSKS	05 43 37	LT	13	98.9 (1)		
		ePS	05 46 30	LT	13	10.8 (2)		
		eSS	05 52 17	LT	22	55.8 (1)		
		eSSS	05 56 05	LT	21	64.8 (1)		
		eLQ	06 01 40	LR	18	14.9 (1)		
		eLR	06 13 00	LR	24	31.6 (1)		
6	PM	eP	05 33 04.5	Z	1.2	10.5 (0)	105.0	5.67
		eS	05 45 03	LR	18	53.4 (1)		
		eS	05 45 03	LT	15	31.2 (1)		
		ePKKP	05 48 40	Z	0.6	1.4 (0)		
		eSS	05 52 18	LR	18	35.6 (1)		
		e	05 52 55	LT	27	10.5 (2)		
		eLR	06 10 07	LZ	30	46.1 (1)		
		eL	06 15 50	LZ	24	39.1 (1)		
		eL	06 15 50	LR	28	99.5 (1)		
		eL	06 15 50	LT	25	39.5 (1)		
6	NG	eP'	05 37 23.7	Z	999.9	99.9 (9)	109.0	
		ePP	05 37 56	LZ	23	13.6 (1)		
		e	05 45 35	LR	17	64.5 (1)		
		eSS	05 53 20	LR	17	58.6 (1)		
		eLR	06 14 05	LZ	32	81.9 (1)		
6	LC	eP'	05 37 29.3	Z	0.9	1.9 (0)	111.0	
		ePP	05 38 18	Z	1.1	4.6 (0)		
		ePS	05 47 45	LR	24	26.1 (1)		
		e	05 49 19	LR	21	42.9 (1)		
		eSS	05 54 07	LR	27	65.6 (1)		
		eSSS	05 58 10	LR	24	61.7 (1)		
		eLQ	06 11 40	LR	35	92.1 (1)		
		eLR	06 19 25	LZ	21	40.4 (1)		
		eL	06 21 50	LZ	20	37.8 (1)		
		eL	06 21 50	LR	25	47.3 (1)		
		eL	06 21 50	LT	22	81.1 (1)		
6	DH	ePP	05 38 51	LZ	15	43.0 (1)	116.0	
		ePS	05 48 44	LT	16	54.1 (1)		
		eSS	05 55 00	LR	18	61.2 (1)		
		eLR	06 21 45	LZ	25	90.9 (1)		
		eL	06 37 50	LZ	21	16.4 (2)		
		eL	06 37 50	LR	19	90.4 (1)		
		eL	06 37 50	LT	18	84.4 (1)		
6	SJ	ePP	05 39 10	LZ	14	39.3 (1)	119.0	
		eSS	05 55 10	LR	999.9	99.9 (9)		
		eLR	06 24 00	LZ	23	48.5 (1)		
6	MN	eSKS	05 43 21	LR	15	41.5 (1)	100.0	
		eSS	05 51 20	LR	24	43.9 (1)		
		e	05 53 40	LZ	28	44.4 (1)		
		eSSS	05 55 28	LR	23	57.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	06 05 43	LR	20	55.3 (1)		
		eLR	06 10 03	LZ	23	54.8 (1)		
6	CP	eLR	06 07 25	LZ	35	12.8 (2)	104.0	
		eL	06 16 10	LZ	23	93.6 (1)		
		eL	06 16 10	LR	20	54.6 (1)		
		eL	06 16 10	LT	22	99.6 (1)		
						AVG.		5.57
6	WI	eP	05 27 26.6	Z	0.4	1.2 (0)	5.8	
		e	05 27 39	Z	0.4	1.8 (0)		
		eS	05 28 36	R	0.7	13.4 (0)		
6	06 07 22.2	20.1 N 120.4 E OFF COAST OF LUZON, P. I. H =033 KM MAG 4.70- CGS						
6	WI	eP	06 21 01.1	Z	1.0	3.4 (0)	98.0	4.97
6	CP	eP	06 48 58.4	Z	0.3	2.0 (0)	1.5	
		eS	06 49 18	R	0.3	4.0 (0)		
6	CP	tP	06 55 44.4D	Z	0.3	9.1 (0)	1.1	
		eS	06 55 59	R	0.3	14.2 (0)		
6	CP	eP	07 06 55.1	Z	0.4	6.8 (0)	1.0	
		eS	07 07 09	R	0.3	5.0 (0)		
6	DH	eP	08 43 34.5	Z	0.7	20.0 (0)		
6	08 05 36.3	36.5 N 104.3 W NORTHERN NEW MEXICO H =033 KM MAG 3.80- CGS						
6	PM	eP	08 06 46.2	Z	0.4	1.1 (0)	4.6	3.57
		e	08 06 54	Z	0.4	1.7 (0)		
		eL	08 07 57	R	0.4	11.4 (0)		
6	LC	eP	08 06 47.5	Z	0.5	0.9 (0)	4.3	3.37
		e	08 06 56	Z	0.5	14.1 (0)		
		eL	08 07 51	R	0.5	22.6 (0)		
6	FM	eP	08 07 36.9	Z	0.5	2.5 (0)	7.0	4.34
		eL	08 09 01	T	0.5	3.8 (0)		
						AVG.		3.76
6	08 21 12.2	06.7 N 94.7 E NICOBAR ISLANDS REGION H =033 KM MAG 5.50- CGS						

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	LC	eSKP	08 43 54	Z	1.0	3.7 (0)	136.0	
6	11 25 18.9		30.5 S 177.7 W KERMADEC ISLANDS REGION H =110 KM MAG 4.40- CGS					
6	DH	eL	12 24 00	LZ	25	90.9 (0)	119.0	
6	12 04 14.3		37.8 S 77.9 E N.E. OF KERGUELEN ISLANDS H =033 KM MAG 5.30- CGS					
6	WI	eP'	12 24 21.8	Z	0.9	4.0 (0)	168.0	
6	LC	eP'	12 25 52.5	Z	0.9	1.9 (0)	174.0	
		eL	13 25 25	LZ	24	21.4 (1)		
6	PM	eP'	12 26 03.0	Z	0.9	2.6 (0)	176.0	
		ePP	12 30 03	Z	1.0	5.1 (0)		
		eL	13 18 55	LR	35	93.6 (1)		
6	DH	eL	13 18 35	LZ	20	32.1 (1)	158.0	
6	CP	eLR	13 22 40	LZ	26	53.4 (1)	167.0	
6	NG	eL	13 24 55	LZ	35	93.2 (1)	167.0	
6	MN	eL	13 25 57	LZ	24	35.7 (1)	167.0	
6	FM	eL	13 26 15	LR	26	23.4 (1)	172.0	
6	MV	eL	13 28 10	LZ	16	39.7 (1)	165.0	
6	DH	eP	15 10 02.0	Z	0.5	11.4 (0)		
6	DH	eP	15 31 39.2	Z	0.3	10.8 (0)	0.1	
		eS	15 31 40	R	0.3	23.7 (0)		
6	DH	eP	15 43 58.2	Z	0.4	6.9 (0)		
6	WI	eP	15 45 35.2	Z	0.3	1.2 (0)	3.0	
		eS	15 46 13	R	0.3	3.6 (0)		
6	WI	eP	16 12 59.0	Z	0.3	1.2 (0)	3.8	
		eS	16 13 45	R	0.5	2.5 (0)		
6	CP	eP	16 14 31.4	Z	0.2	7.4 (0)	1.4	
		eS	16 14 49	R	0.3	4.0 (0)		
6	DH	eP	16 46 12.2	Z	0.4	13.9 (0)	1.8	
		eS	16 46 36	R	0.4	39.3 (0)		
6	CP	eP	16 50 46.3	Z	0.4	6.8 (0)	0.1	
		eS	16 50 49	R	0.3	13.1 (0)		
6	DH	eP	16 57 28.6	Z	0.5	7.6 (0)		
6	MN	eP	16 58 40.0	Z	0.3	11.5 (0)	2.4	
6	FM	eP	16 59 09.0	Z	0.4	1.1 (0)	3.9	
6	MN	eS	16 59 10	T	0.3	15.1 (0)	2.4	
6	WI	eP	16 59 21.8	Z	0.4	1.2 (0)		
6	FM	eS	16 59 57	T	0.6	4.2 (0)	3.9	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	WI	e	17 00 20	R	0.6	3.5 (0)		
6	DH	eP	17 02 36.7	Z	0.4	6.9 (0)		
6	DH	e	17 03 04	Z	0.4	6.9 (0)		
6	DH	eP	17 10 47.5	Z	0.4	6.9 (0)	1.5	
		eS	17 11 07	R	0.8	56.2 (0)		
6	DH	eP	17 13 31.2	Z	0.4	6.9 (0)		
6	DH	eP	17 22 17.1	Z	0.4	13.9 (0)	2.3	
		eS	17 22 40	R	0.3	33.9 (0)		
6	LC	eP	17 41 59.3	Z	0.9	3.8 (0)		
6	LC	e	17 42 34	Z	0.8	3.6 (0)		
6	17 42 47.0		14.3 S 167.3 E NEW HEBRIDES H =160 KM MAG 4.70- CGS					
6	MV	eP	17 55 07.0	Z	0.6	6.9 (0)	85.0	4.64
6	WI	eP	17 55 24.6	Z	0.8	2.0 (0)	89.0	4.19
							AVG.	4.41
6	LC	eP	19 20 03.1	Z	0.9	3.8 (0)		
6	CP	eP	19 46 36.2	Z	0.4	2.9 (0)	0.6	
		eS	19 46 45	R	0.4	8.8 (0)		
6	WI	eP	19 48 11.3	Z	0.5	1.3 (0)		
6	WI	e	19 48 43	Z	0.5	3.9 (0)		
6	DH	eP	19 56 08.7	Z	0.4	10.4 (0)		
6	LC	eP	20 04 16.5	Z	0.2	10.7 (0)	1.5	
		eS	20 04 35	R	0.2	4.1 (0)		
6	WI	eP	20 33 23.0	Z	0.4	1.2 (0)		
6	DH	eP	20 50 10.0	Z	0.4	6.9 (0)		
6	PM	eP	21 04 36.0	Z	0.4	1.1 (0)		
6	PM	e	21 05 51	Z	0.7	4.2 (0)		
6	PM	eP	21 08 57.1	Z	0.5	1.2 (0)		
6	PM	e	21 11 08	Z	0.5	1.9 (0)		
6	CP	eP	21 52 10.9	Z	0.3	14.2 (0)	0.1	
		eS	21 52 15	R	0.3	15.2 (0)		
6	LC	eP	21 55 20.5	Z	0.3	1.3 (0)		
6	LC	eP	22 01 37.7	Z	0.2	1.7 (0)	1.5	
		eS	22 01 56	R	0.2	2.3 (0)		
6	WI	eP	22 09 41.0	Z	0.5	1.3 (0)		
6	CP	tP	22 25 37.8D	Z	0.3	9.1 (0)	0.7	
		eS	22 25 48	R	0.3	20.2 (0)		
6	MV	eP	22 44 32.4	Z	0.3	1.1 (0)	3.3	
		eS	22 45 13	R	0.4	5.7 (0)		
6	CP	eP	22 48 04.1	Z	0.3	2.0 (0)	2.2	
		eS	22 48 32	R	0.3	2.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	23	43 17.3	25.4 S 180.0 FIJI ISLANDS REGION H =369 KM MAG 4.50- CGS					
6	WI	eP	23 55 29.2	Z	0.9	4.0 (0)	88.0	4.28
6	FM	eP	23 55 38.3	Z	0.8	4.0 (0)	90.0	4.33
6	SJ	eP	23 56 12.8	Z	0.8	10.2 (0)	95.0	5.00
							AVG.	4.54
6	MV	eP	23 53 57.4	Z	0.7	4.1 (0)		
7	MN	e	00 15 00	LR	30	17.7 (1)		
7	MN	eP	00 16 08.7	Z	0.3	0.5 (0)	3.0	
		eS	00 16 45	R	0.4	1.7 (0)		
7	MN	e	00 20 33	LR	28	24.9 (1)		
7	00	20 54.4	23.9 S 66.6 W JUJUY PROVINCE, ARGENTINA H =206 KM MAG 5.20- CGS					
7	LC	eP	00 31 31.7	Z	0.8	2.9 (0)	68.0	4.06
7	NG	eP	00 31 55.8	Z	0.7	4.8 (0)	72.0	4.33
7	FM	eP	00 32 20.8	Z	0.8	8.2 (0)	76.0	4.51
7	MN	eP	00 32 35.6	Z	1.0	3.1 (0)	79.0	4.00
7	WI	eP	00 32 43.7	Z	0.8	9.8 (0)	80.0	4.59
							AVG.	4.30
7	NG	eP	00 39 44.6	Z	1.0	24.2 (0)		
7	MN	eL	00 47 57	LR	27	24.0 (1)		
7	CP	eP	02 09 32.1	Z	0.2	0.6 (0)	0.6	
		eS	02 09 41	T	0.2	14.9 (0)		
7	CP	eP	04 07 56.2	Z	0.2	4.7 (0)	1.1	
		eS	04 08 11	T	0.3	21.3 (0)		
7	CP	eP	04 38 57.1	Z	0.2	10.8 (0)	1.4	
		eS	04 39 15	R	0.3	17.1 (0)		
7	MN	eP	05 07 02.5	Z	0.2	0.7 (0)	1.4	
		eS	05 07 21	R	0.3	5.1 (0)		
7	DH	eL	06 59 47	LZ	25	32.7 (1)		
7	NG	eL	07 02 38	LZ	32	62.0 (1)		
7	WI	eL	07 04 22	LZ	24	13.2 (1)		
7	MN	eL	07 04 50	LZ	24	13.9 (1)		
7	PM	eL	07 08 40	LZ	32	56.5 (1)		
7	MV	eL	07 20 40	LZ	25	21.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	M.G
7	PM	eP	07 37 40.2	Z	0.3	1.1 (0)	3.9	
		eS	07 38 28	R	0.4	10.8 (0)		
7	LC	eP	08 09 55.0	Z	0.8	1.4 (0)		
7	DH	eL	08 36 52	LZ	26	25.3 (1)		
7	NG	eL	08 40 35	LZ	32	48.4 (1)		
7	MN	eL	08 41 57	LZ	24	11.9 (1)		
7	WI	eL	08 44 56	LZ	30	20.8 (1)		
7	WI	eP	08 50 10.5	Z	999.9	99.9 (9)		
7	DH	eL	10 20 22	LZ	27	30.5 (1)		
7	CP	eP	10 26 45.8	Z	0.3	2.0 (0)	2.1	
		e	10 26 47	Z	0.3	16.8 (0)		
		eS	10 27 13	R	0.4	29.1 (0)		
7	MN	eP	10 27 22.4	Z	0.3	0.5 (0)		
7	MN	e	10 27 35	Z	0.3	3.1 (0)		
7	WI	eP	10 28 04.8	Z	999.9	99.9 (9)		
7	WI	e	10 28 36	Z	0.4	1.1 (0)		
7	MN	eL	10 28 37	R	0.5	6.0 (0)		
7	WI	eL	10 30 08	R	0.5	0.8 (0)		
7	WI	eL	10 36 26	LZ	32	13.4 (1)		
7	12	04 39.7	38.0 N 122.0 W CONTRA COSTA CO. CALIF. H =014 KM MAG 4.30- CGS					
7	MV	eP	12 05 04.0	Z	0.2	6.3 (0)	1.3	
		eL	12 05 20	LR	18	52.7 (1)		
		eL	12 05 22	R	0.3	75.5 (0)		
7	MN	eP	12 05 30.9	Z	0.3	1.1 (0)	2.9	
		e	12 05 37	Z	0.3	3.9 (0)		
		eL	12 06 16	R	0.5	22.9 (0)		
		eL	12 06 30	LZ	14	20.0 (1)		
7	WI	eP	12 05 55.5	Z	0.3	0.7 (0)	4.7	3.52
		e	12 06 11	Z	0.3	3.5 (0)		
		eL	12 07 06	LR	17	52.7 (1)		
		eL	12 07 13	R	0.5	18.6 (0)		
7	DH	eL	12 21 00	LZ	25	24.5 (1)	36.0	
7	NG	eL	13 21 00	LZ	32	36.8 (1)		
7	MN	eL	13 22 15	LZ	22	90.1 (0)		
7	WI	eP	13 25 15.2	Z	0.7	1.6 (0)		
7	WI	eL	13 30 51	LZ	23	14.7 (1)		
7	DH	eP	14 41 33.2	Z	0.2	9.5 (0)	1.9	
		eS	14 41 59	R	0.3	27.4 (0)		
7	15	34 47.8	15.3 S 178.9 W FIJI ISLANDS REGION H =033 KM MAG 4.90- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	CP	eP	15 46 36.3	Z	1.1	7.0 (0)	77.0	4.60
7	MV	eP	15 46 36.5	Z	999.9	99.9 (9)	77.0	
		eLQ	16 06 30	LR	25	48.3 (1)		
		eLR	16 10 00	LZ	25	35.5 (1)		
7	MN	eP	15 46 45.7	Z	1.1	6.8 (0)	78.0	4.59
		eLQ	16 07 10	LR	25	82.9 (1)		
		eLR	16 11 40	LZ	24	13.9 (1)		
7	WI	eP	15 46 56.4	Z	1.1	4.1 (0)	80.0	4.24
7	FM	eP	15 47 10.0	Z	999.9	99.9 (9)	83.0	
7	LC	eP	15 47 16.9	Z	1.0	3.7 (0)	84.0	4.47
		eLQ	16 10 15	LR	25	45.0 (1)		
		eLR	16 14 38	LZ	23	40.2 (1)		
7	PM	eL	16 12 10	LT	28	92.6 (1)	88.0	
7	NG	eL	16 18 10	LZ	28	16.3 (1)	101.0	
7	DH	eL	16 20 00	LZ	21	16.5 (1)	111.0	
						AVG.		4.47

7 15 49 57.4 19.0 N 121.8 E OFF N. COAST LUZON, P.I.
H =033 KM MAG 4.70- CGS

7	WI	eP	16 03 31.2	Z	1.0	2.2 (0)	98.0	4.78
		eSS	16 21 58	LR	20	32.1 (1)		
		eLQ	16 30 01	LR	22	30.4 (1)		
		eLR	16 36 24	LZ	26	50.0 (1)		
7	MV	eP	16 03 33.8	Z	0.8	2.9 (0)	98.0	5.00
7	MV	eLQ	16 30 55	LT	25	85.4 (1)	97.0	
		eLR	16 35 00	LZ	25	58.7 (1)		
7	MN	eP	16 03 42.3	Z	999.9	99.9 (9)	100.0	
		eLQ	16 32 15	LT	22			
		eLR	16 36 05	LZ	25	52.7 (1)		
		eL	16 38 47	LZ	23	75.0 (1)		
		eL	16 38 47	LR	23	63.0 (1)		
		eL	16 38 47	LT	25			
7	LC	ePKKP	16 19 37	Z	0.9	2.8 (0)	111.0	
		e	16 19 44	Z	1.0	3.7 (0)		
7	CP	eL	16 38 28	LZ	23	41.6 (1)	105.0	
							AVG.	4.89
7	NG	eP	16 12 06.5	Z	0.2	4.6 (0)	0.8	
		eS	16 12 18	T	0.4	17.7 (0)		
7	CP	eP	16 13 24.3	Z	0.3	1.5 (0)	0.5	
		eS	16 13 31	R	0.3	15.5 (0)		
7	LC	eP	17 22 29.6	Z	0.3	3.5 (0)	2.9	
		e	17 22 35	Z	0.3	6.2 (0)		
		eL	17 23 06	T	0.4	10.3 (0)		
7	MN	eP	17 53 55.3	Z	0.3	3.3 (0)	1.4	
		eS	17 54 15	R	0.4	4.9 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MDG
7	MN	eP	18 28 07.9	Z	0.3	0.5 (0)	0.6	
		eS	18 28 17	R	0.3	4.2 (0)		
7	DH	eP	18 35 43.5	Z	0.3	10.7 (0)	1.6	
		eS	18 36 06	T	0.4	17.1 (0)		
7	PM	eP	18 55 51.0	Z	0.3	2.3 (0)	0.9	
		e	18 55 59	Z	0.4	6.2 (0)		
		eS	18 56 03	T	0.5	17.7 (0)		

7 19 30 35.6 08.5 N 103.1 W CLIPPERTON ISLAND REGION
H =033 KM MAG 4.90- CGS

7	LC	eP	19 35 48.4	Z	1.1	24.6 (0)	24.0	4.61
		eP	19 35 50	LZ	13	64.2 (1)		
		e	19 36 01	Z	1.2	23.0 (0)		
		ePP	19 36 15	Z	1.2	30.7 (0)		
		ePPP	19 36 39	Z	1.2	21.1 (0)		
		eL	19 40 10	LT	24	48.7 (2)		
		eL	19 41 08	LT	35	99.9 (9)		
		eL	19 42 25	LZ	25	99.9 (9)		
		ePCS	19 43 30	R	5.5	12.6 (2)		
		eL	19 44 32	R	4.5	15.1 (2)		
7	CP	eP	19 36 17.2	Z	1.0	30.0 (0)	27.0	4.91
		eP	19 36 20	LZ	17	60.1 (1)		
		e	19 36 24	Z	1.0	25.7 (0)		
		eS	19 40 57	LR	20	40.6 (2)		
		eLQ	19 42 33	LR	20	99.9 (9)		
		eLR	19 43 08	LZ	21	47.0 (2)		
		eL	19 45 20	T	5.8	16.1 (2)		
7	FM	eP	19 37 00.5	Z	1.0	27.7 (0)	32.0	5.07
7	PM	eP	19 37 07.3	Z	0.8	11.6 (0)	33.0	4.83
		e	19 37 18	Z	0.9	12.6 (0)		
		eS	19 42 10	LR	21	24.7 (2)		
		ePCS	19 43 00	LR	20	11.3 (2)		
		eSS	19 44 30	LR	19	55.5 (2)		
		eLQ	19 45 57	LR	999.9	99.9 (9)		
		eLR	19 46 50	LZ	25	99.9 (9)		
		eL	19 47 50	R	6.5	18.0 (2)		
7	MN	eP	19 37 08.4	Z	1.0	15.8 (0)	33.0	4.86
		eP	19 37 10	LZ	19	27.1 (1)		
		e	19 37 39	Z	1.1	11.7 (0)		
		ePCP	19 40 07	Z	2.4	42.1 (0)		
		e	19 42 01	Z	3.0	13.2 (1)		
		eS	19 42 10	LR	27	14.4 (2)		
		eL	19 49 40	R	7.0	12.0 (2)		
		eLR	19 49 57	LZ	27	16.1 (2)		
7	MV	eP	19 37 24.3	Z	999.9	99.9 (9)	35.0	
		eP	19 37 25	LZ	16	30.3 (1)		
		eS	19 43 08	LT	21	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	19 45 21	LT	24	99.9 (9)		
		eLR	19 47 17	LZ	22	99.9 (9)		
7	WI	eP	19 37 28.1	Z	1.0	37.8 (0)	35.0	5.27
7	WI	eP	19 37 31	LZ	18	39.9 (1)	33.0	
		ePP	19 38 49	LZ	17	37.9 (1)		
		eS	19 43 01	LR	21	18.3 (2)		
		eL	19 45 38	LZ	23	17.1 (2)		
7	NG	eP	19 38 01.8	Z	1.0	9.7 (0)	39.0	4.48
		eP	19 38 02	LZ	14	43.4 (1)		
		ePP	19 39 32	LZ	22	13.4 (2)		
		eS	19 44 00	LT	999.9	99.9 (9)		
		eSS	19 46 48	LR	13	54.9 (2)		
		eLR	19 49 32	LZ	35	99.9 (9)		
7	DH	eP	19 38 26.2	Z	1.0	30.1 (0)	42.0	5.01
		eP	19 38 27	LZ	14	67.5 (1)		
		ePP	19 40 05	LZ	17	21.6 (2)		
		eS	19 44 37	LT	18	26.3 (2)		
		eSS	19 47 50	LT	21	84.8 (1)		
		eLQ	19 48 18	LT	22	14.9 (2)		
		eLR	19 50 40	LZ	29	51.3 (2)		
		eL	19 55 38	LZ	999.9	99.9 (9)		
		eL	19 55 38	LR	22	46.3 (2)		
		eL	19 55 38	LT	20	67.0 (2)		
							AVG.	4.88
7	CP	eP	19 48 11.3	Z	0.3	3.0 (0)	0.7	
		eS	19 48 21	T	0.3	20.2 (0)		
7	LC	eP	20 07 45.7	Z	0.2	10.7 (0)	1.1	
		eS	20 08 05	T	0.4	14.6 (0)		
7	DH	eP	20 46 55.0	Z	999.9	99.9 (9)	1.5	
		eS	20 47 16	R	0.5	14.5 (0)		

7 21 28 48.5 08.8 N 102.5 W CLIPPERTON ISLAND REGION
H =033 KM MAG 4.60- CGS

7	LC	eP	21 34 00.8	Z	1.0	7.5 (0)	24.0	4.14
		eS	21 38 20	LR	19	19.0 (2)		
		eS	21 38 20	LT	23	70.5 (1)		
		eLQ	21 39 45	LR	23	99.9 (9)		
		eLR	21 40 38	LZ	22	10.7 (2)		
7	CP	eP	21 34 28.7	Z	1.0	12.8 (0)	27.0	4.54
		eLQ	21 40 52	LR	18	12.0 (2)		
		eLR	21 43 10	LZ	17	37.4 (2)		
7	FM	eP	21 35 10.0	Z	1.0	10.4 (0)	32.0	4.65
7	MN	eP	21 35 19.2	Z	1.0	9.5 (0)	33.0	4.64
		eS	21 40 38	LR	22	35.3 (1)		
		eLQ	21 42 23	LR	30	11.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	21 43 55	LZ	25	18.1 (2)		
7	WI	eP	21 35 39.0	Z	0.8	8.5 (0)	35.0	4.72
		eS	21 41 18	LT	18	45.7 (1)		
		eS	21 41 18	LR	19	41.3 (1)		
		eSS	21 43 48	LT	18	18.6 (2)		
		eLQ	21 45 04	LT	28	27.8 (2)		
		eLR	21 46 33	LZ	25	82.3 (1)		
		eL	21 52 04	LR	18	15.7 (2)		
		eL	21 52 04	LZ	18	13.5 (2)		
		eL	21 52 04	LT	15	18.3 (2)		
7	NG	eP	21 36 13.0	Z	999.9	99.9 (9)	39.0	
		e	21 42 10	LT	19	74.0 (1)		
		eLQ	21 45 04	LT	15	38.6 (1)		
		eLR	21 48 00	LZ	34	12.7 (2)		
		eL	21 53 05	LZ	18	17.5 (2)		
		eL	21 53 05	LR	15	12.0 (2)		
		eL	21 53 05	LT	22	92.9 (1)		
7	MV	eL	21 42 52	LT	32	17.2 (2)	35.0	
		eL	21 44 50	LT	20	14.7 (2)		
7	DH	eS	21 42 57	LT	17	63.8 (1)	41.0	
		eLQ	21 46 27	LT	18	52.6 (1)		
		eLR	21 49 40	LZ	29	74.6 (1)		
7	PM	eLQ	21 42 58	LR	15	16.2 (2)	32.0	
		eLR	21 45 10	LZ	24	15.4 (2)		
							AVG.	4.54
7	WI	eP	21 46 48.5	Z	0.9	3.4 (0)		
7	LC	eP	21 55 24.7	Z	0.2	7.7 (0)	1.5	
		eS	21 55 45	T	0.3	9.8 (0)		
7	CP	eP	21 58 14.7	Z	0.2	14.2 (0)	0.3	
		eS	21 58 20	T	0.3	8.5 (0)		
7	CP	eP	22 15 44.6	Z	0.3	1.5 (0)	1.3	
		eS	22 16 01	T	0.3	9.5 (0)		

7 22 31 54.8 15.2 S 173.1 W SAMOA ISLANDS REGION
H =033 KM MAG 4.60- CGS

7	CP	eP	22 43 21.4	Z	999.9	99.9 (9)	72.0	
7	MV	eP	22 43 25.0	Z	999.9	99.9 (9)	73.0	
7	MN	eP	22 43 30.6	Z	1.2	6.0 (0)	74.0	4.43
		ePCP	22 43 34	Z	1.0	6.3 (0)		
7	WI	eP	22 43 42.3	Z	1.2	8.5 (0)	76.0	4.65
		ePCP	22 44 01	Z	1.3	17.1 (0)		
7	FM	eP	22 43 55.7	Z	1.2	10.6 (0)	79.0	4.68
7	LC	eP	22 43 59.7	Z	1.0	3.7 (0)	79.0	4.30
		e	22 44 04	Z	1.2	19.2 (0)		
7	PM	eP	22 44 24.0	Z	1.2	15.1 (0)	84.0	5.00

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
						AVG.		4.61
7		22 37 30.0	15.3 S 173.2 W SAMOA ISLANDS REGION H =034 KM MAG 5.00- CGS					
7	CP	eP	22 48 57.9	Z	1.2	15.3 (0)	72.0	4.90
		eP	22 49 00	LZ	11	12.8 (2)		
		ePCP	22 49 20	Z	1.1	15.8 (0)		
		eS	22 58 35	LT	22	36.6 (2)		
		e	23 04 48	LZ	23	98.8 (1)		
		eLQ	23 07 23	LR	23	30.7 (2)		
		eLR	23 10 25	LZ	24	50.3 (2)		
7	MV	eP	22 49 00.0	Z	999.9	99.9 (9)	73.0	
		eP	22 49 00	LZ	12	62.5 (1)		
		ePPP	22 53 08	LZ	25	11.9 (2)		
		eS	22 58 28	LT	26	99.9 (9)		
		e	23 01 58	LR	28	77.7 (1)		
		eLQ	23 07 16	LR	26	31.0 (2)		
		eLR	23 10 45	LZ	30	99.9 (9)		
7	MN	eP	22 49 05.8	Z	1.3	21.3 (0)	74.0	4.94
		eP	22 49 07	LZ	13	63.0 (1)		
		e	22 49 45	Z	1.8	75.4 (0)		
		ePPP	22 53 05	LR	18	44.5 (1)		
		eLR	22 58 47	LZ	25	16.6 (2)		
7	WI	eP	22 49 17.7	Z	1.3	27.8 (0)	77.0	5.12
		eP	22 49 18	LZ	12	71.5 (1)		
		ePCP	22 49 36	Z	1.8	79.5 (0)		
		e	22 53 26	LR	19	62.7 (1)		
		e	22 58 31	LR	18	24.7 (2)		
		eS	23 00 28	LT	23	14.5 (2)		
		eL	23 06 54	LZ	28	97.1 (1)		
7	FM	eP	22 49 31.2	Z	1.2	10.6 (0)	79.0	4.68
7	LC	eP	22 49 34.2	Z	1.0	6.2 (0)	79.0	4.52
		eP	22 49 35	LZ	12	57.8 (1)		
		e	22 49 39	Z	1.3	21.6 (0)		
		eS	22 59 07	LT	22	15.7 (2)		
		ePS	23 00 24	LT	23	17.9 (2)		
		eSS	23 04 52	LT	23	19.5 (2)		
		eLR	23 08 17	LZ	23	11.8 (2)		
		eL	23 16 14	LZ	20	99.9 (9)		
		eL	23 16 14	LR	20	30.8 (2)		
		eL	23 16 14	LT	20	39.0 (2)		
7	PM	eP	22 50 00.2	Z	0.8	2.9 (0)	84.0	4.46
		ePPP	22 54 50	LT	16	70.3 (1)		
		e	22 55 47	LR	21	54.3 (1)		
		eS	23 00 23	LT	17	39.6 (2)		
		ePS	23 01 07	LR	21	21.2 (2)		
		eSS	23 05 57	LT	23	89.4 (1)		
		eLQ	23 12 45	LT	24	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	NG	eLR	23 16 20	LZ	26	49.6 (2)		
		eP	22 51 04.3	Z	999.9	99.9 (9)	98.0	
		eSKS	23 01 53	LR	16	11.6 (2)		
		ePS	23 03 28	LR	29	73.2 (1)		
		eSS	23 09 28	LR	19	10.2 (2)		
		e	23 12 55	LZ	27	67.9 (1)		
		eLQ	23 19 07	LT	28	99.9 (9)		
		eLR	23 23 42	LZ	28	99.9 (9)		
7	DH	eSKS	23 02 10	LR	18	91.8 (1)	106.0	
		ePS	23 05 15	LR	22	92.7 (1)		
		eSS	23 11 03	LR	25	31.0 (2)		
		eLR	23 27 40	LZ	32	28.9 (2)		
						AVG.		4.77
7	FM	eP	22 41 46.5	Z	0.2	3.3 (0)	1.0	
		eS	22 42 00	R	0.2	11.0 (0)		
7	CP	eP	22 45 50.1	Z	0.2	2.0 (0)	1.5	
		eS	22 46 09	T	0.3	4.2 (0)		
7	CP	eP	22 56 44.6	Z	0.2	2.7 (0)	1.6	
		eS	22 57 06	R	0.2	8.7 (0)		
7	PM	eP	22 59 00.0	Z	0.3	7.6 (0)	3.0	
		eS	22 59 38	R	0.3	14.1 (0)		
7	WI	e	23 03 48	LR	24	99.9 (9)		
7	PM	eP	23 58 28.0	Z	0.8	4.8 (0)		
8	MN	eP	00 01 39.2	Z	0.2	11.3 (0)	1.3	
		eS	00 01 51	R	0.3	99.9 (9)		
8	WI	eP	00 02 00.2	Z	0.2	12.7 (0)		
8	MV	eP	00 02 02.0	Z	0.3	1.7 (0)	2.4	
8	WI	eS	00 02 31	R	0.5	10.9 (0)		
8	MV	eS	00 02 32	T	0.4	6.8 (0)	2.4	
8	CP	eP	00 02 55.8	Z	0.2	8.1 (0)	0.1	
		eS	00 03 00	R	0.3	99.9 (9)		
8	LC	eP	00 31 53.5	Z	0.8	2.2 (0)		
8	DH	eLR	00 54 25	LZ	20	71.5 (1)		
8		01 01 51.9	15.1 S 173.0 W SAMOA ISLANDS REGION H =033 KM MAG 4.60- CGS					
8	CP	eP	01 13 16.1	Z	1.1	5.3 (0)	72.0	4.48
		eLR	01 34 50	LZ	26	15.2 (2)		
8	MV	eP	01 13 18.0	Z	999.9	99.9 (9)	73.0	
		eS	01 23 30	LR	24	14.8 (2)		
		eLQ	01 32 05	LR	25	68.2 (1)		
		eLR	01 35 00	LZ	29	11.4 (2)		
		eL	01 36 40	LZ	23	94.7 (1)		
		eL	01 36 40	LR	20	18.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	01 36 40	LT	22	82.2 (1)		
8	MN	eP	01 13 27.1	Z	1.2	8.7 (0)	74.0	4.59
		eS	01 23 06	LT	20	66.2 (1)		
		ePPS	01 23 53	LT	28	13.2 (2)		
		eLR	01 35 40	LZ	30	13.9 (2)		
		eL	01 37 20	LZ	24	15.2 (2)		
		eL	01 37 20	LR	22	58.7 (1)		
		eL	01 37 20	LT	23	14.5 (2)		
8	WI	eP	01 13 39.0	Z	1.2	6.9 (0)	76.0	4.56
		eS	01 23 25	LR	19	54.5 (1)		
		ePKKP	01 32 28	Z	1.0	3.3 (0)		
		eLQ	01 34 00	LR	27	10.9 (2)		
		eLR	01 36 52	LZ	30	10.7 (2)		
		eL	01 38 47	LZ	23	94.4 (1)		
		eL	01 38 47	LR	22	44.2 (1)		
		eL	01 38 47	LT	22	90.8 (1)		
8	FM	eP	01 13 51.5	Z	1.0	7.4 (0)	78.0	4.67
		eLR	01 37 52	LZ	30	11.9 (2)		
8	LC	eP	01 13 56.4	Z	1.2	9.6 (0)	79.0	4.63
		ePS	01 24 40	LR	25	36.7 (1)		
		eLR	01 38 16	LZ	28	11.1 (2)		
		eL	01 40 15	LZ	22	11.0 (2)		
		eL	01 40 15	LR	22	54.2 (1)		
		eL	01 40 15	LT	22	76.1 (1)		
8	PM	eP	01 14 21.6	Z	1.0	8.4 (0)	84.0	4.82
		e	01 24 56	LT	18	56.8 (1)		
		e	01 38 48	LT	27	10.5 (2)		
		eLR	01 41 15	LZ	27	95.6 (1)		
8	NG	eSS	01 33 20	LR	20	21.8 (1)	97.0	
		e	01 33 55	LT	18	27.6 (1)		
		e	01 38 48	LZ	23	35.6 (1)		
		eLR	01 48 05	LZ	32	10.0 (2)		
		eL	01 51 57	LZ	22	13.6 (2)		
		eL	01 51 57	LR	23	86.7 (1)		
		eL	01 51 57	LT	20	25.1 (1)		
8	DH	eSS	01 35 51	LR	26	80.6 (1)	106.0	
		e	01 40 19	LR	27	38.8 (1)		
		eLR	01 52 08	LZ	30	54.1 (1)		
							AVG.	4.63
8	PM	eLR	01 02 25	LZ	24	35.2 (1)		
8	FM	eLR	01 06 10	LZ	20	28.3 (1)		
8	MN	eL	01 06 40	LZ	20	26.4 (1)		
8	WI	eLR	01 06 48	LZ	18	29.5 (1)		
8	LC	eLR	01 07 10	LZ	20	13.5 (1)		

8 02 00 32.2 23.2 S 171.3 E LOYALTY ISLANDS REGION
H =047 KM MAG 4.30- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	MN	eP	02 13 29.0	Z	0.8	1.9 (0)	90.0	4.33
8	WI	eP	02 03 50.0	Z	0.3	1.2 (0)	3.0	
		eS	02 04 28	R	0.5	2.8 (0)		
8	PM	eP	03 14 04.5	Z	0.8	1.9 (0)		
8	CP	eP	03 50 43.5	Z	0.2	8.2 (0)	1.2	
		eS	03 50 58	T	0.3	10.2 (0)		

8 04 22 53.0 22.7 S 13.7 W SOUTH ATLANTIC OCEAN
H =033 KM MAG 4.90- CGS

8	DH	eS	04 46 17	LT	24	52.9 (1)	86.0	
		eSS	04 51 55	LT	23	43.4 (1)		
		eLR	05 02 35	LZ	28	12.3 (2)		
8	NG	ePS	04 48 50	LR	21	20.0 (1)	96.0	
		eSPP	04 49 43	LZ	22	37.2 (1)		
		e	05 01 35	LR	20	10.0 (1)		
		eLQ	05 03 40	LR	30	19.6 (1)		
		eLR	05 07 36	LZ	29	80.8 (1)		
8	LC	ePS	04 50 35	LR	23	27.0 (1)	104.0	
		eSS	04 56 23	LR	20	71.7 (1)		
		eLR	05 12 20	LZ	32	69.9 (1)		
8	WI	ePS	04 52 20	LT	22	21.0 (1)	115.0	
		eSS	04 58 52	LR	23	22.8 (1)		
		eL	05 16 17	LR	24	25.8 (1)		
		eLR	05 21 35	LZ	24	36.8 (1)		
		eL	05 25 35	LZ	22	73.9 (1)		
		eL	05 25 35	LR	20	26.0 (1)		
		eL	05 25 35	LT	20	70.0 (1)		
8	MN	ePS	04 52 20	LR	22	25.8 (1)	115.0	
		eSS	04 58 45	LR	20	18.8 (1)		
		eLR	05 16 00	LZ	40	61.3 (1)		
8	PM	eLR	05 12 50	LZ	30	27.6 (1)	100.0	
8	MV	eL	05 20 00	LZ	35	49.9 (1)	117.0	
8	FM	eL	05 20 28	LZ	23	39.4 (1)	110.0	

8 05 34 06.8 05.5 S 147.0 E NEAR N. COAST NEW GUINEA
H =170 KM MAG 5.10- CGS

8	MV	eP	05 47 10.0	Z	1.0	13.4 (0)	95.0	5.18
8	MN	eP	05 47 21.5	Z	1.0	8.1 (0)	97.0	5.06
8	WI	eP	05 47 24.3	Z	1.0	7.9 (0)	98.0	5.12
8	CP	eP	05 47 29.0	Z	0.7	2.1 (0)	98.0	4.71
		e	05 52 23	LZ	20	15.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	05 58 06	LZ	24	21.0 (1)		
		eL	06 16 35	LZ	50	11.4 (2)		
8	FM	eP	05 47 42.5	Z	0.8	4.3 (0)	102.0	5.16
8	LC	ePKKP	06 03 49	Z	1.0	3.7 (0)	107.0	
							AVG.	5.05
8	WI	eLR	06 19 50	LZ	30	13.8 (1)		
8	LC	eP	06 30 20.7	Z	0.7	1.2 (0)		
8	MN	eP	07 07 21.6	Z	0.5	1.2 (0)		
8	MN	eP	07 10 46.0	Z	0.5	0.6 (0)		
8	FM	eP	07 21 01.5	Z	999.9	99.9 (9)		
8	WI	eP	07 40 10.5	Z	999.9	99.9 (9)		
8	MN	eP	08 08 29.0	Z	0.3	1.1 (0)	1.2	
8	WI	eP	08 08 32.0	Z	0.3	0.8 (0)	1.8	
8	MN	eS	08 08 44	R	0.5	6.6 (0)	1.2	
8	WI	eS	08 08 57	T	0.3	4.6 (0)	1.8	

8 08 51 56.2 40.6 N 124.3 W HUMBOLDT COUNTY, CALIF.
H =033 KM

8	MV	eP	08 52 38.0	Z	0.3	7.7 (0)	2.6	
		eS	08 53 10	T	0.3	8.3 (0)		

8 08 57 24.7 02.4 S 77.6 W PERU ECUADOR BORDER
H =033 KM MAG 4.40- CGS

8	LC	eP	09 05 33.7	Z	0.9	1.9 (0)	44.0	3.82
		e	09 05 58	Z	0.9	1.9 (0)		
8	CP	eP	09 09 52.5	Z	0.2	15.0 (0)	0.5	
		eS	09 10 00	R	0.2	25.9 (0)		
8	CP	eP	10 49 11.0	Z	0.2	2.7 (0)	0.6	
		eS	10 49 20	R	0.3	17.4 (0)		

8 12 46 04.9 06.9 N 73.0 W PERU BRAZIL BORDER
H =148 KM MAG 4.70- CGS

8	LC	iP	12 53 29.4D	Z	1.0	50.0 (0)	40.0	5.15
		e	12 59 06	Z	1.0	2.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	M.G
		e	13 00 41	Z	0.6	1.0 (0)		
8	NG	eP	12 53 33.9	Z	0.6	16.2 (0)	41.0	4.88
8	PM	eP	12 54 05.0	Z	0.7	4.1 (0)	45.0	4.12
8	FM	eP	12 54 29.1	Z	0.8	10.9 (0)	48.0	4.54
8	MN	eP	12 54 57.0	Z	1.0	7.3 (0)	52.0	4.42
8	WI	eP	12 55 02.5	Z	0.6	4.7 (0)	52.0	4.45
8	MV	eP	12 55 15.0	Z	999.9	99.9 (9)	54.0	
							AVG.	4.59

8 13 34 23.1 60.4 N 153.6 W SOUTHERN ALASKA
H =176 KM MAG 3.90- CGS

8	WI	eP	13 40 09.8	Z	0.6	4.7 (0)	29.0	4.37
		e	13 41 05	Z	1.1	8.3 (0)		
		e	13 46 37	Z	1.0	6.7 (0)		
8	MN	eP	13 40 28.0	Z	0.7	3.2 (0)	31.0	4.16
		ePCP	13 43 17	Z	0.7	2.4 (0)		
		eSCP	13 46 44	Z	1.0	6.4 (0)		
8	FM	eP	13 40 46.2	Z	0.5	2.7 (0)	33.0	4.19
		ePCP	13 43 23	Z	0.7	3.6 (0)		
8	PM	eP	13 41 00.2	Z	0.6	2.1 (0)	35.0	
		e	13 41 37	Z	0.7	2.5 (0)		
		eSCP	13 46 57	Z	0.7	1.6 (0)		
8	NG	eP	13 41 44.3	Z	0.5	18.3 (0)	40.0	4.93
8	LC	eP	13 41 54.5	Z	0.5	0.9 (0)	41.0	3.64
		e	13 43 47	Z	0.7	1.2 (0)		
		e	13 47 22	Z	0.9	2.8 (0)		
8	MV	eSCP	13 46 36	Z	0.8	7.9 (0)	29.0	
							AVG.	4.18
8	MV	eP	14 01 00.0	Z	0.4	6.9 (0)	1.5	
		eS	14 01 19	R	0.3	9.2 (0)		
8	WI	eP	14 01 34.0	Z	0.5	1.7 (0)	4.1	
8	MN	eP	14 01 46.6	Z	0.6	0.6 (0)	3.7	
8	WI	eS	14 02 24	T	0.6	5.8 (0)	4.1	
8	MN	eS	14 02 33	R	0.6	1.0 (0)	3.7	
8	WI	eL	14 25 10	LT	20	11.4 (1)		
8	WI	eLR	14 30 20	LZ	19	96.2 (0)		
8	MN	eP	14 35 26.2	Z	0.5	0.9 (0)		
8	FM	eP	14 40 21.3	Z	0.6	3.0 (0)		
8	NG	eP	15 10 27.5	Z	0.3	6.9 (0)	0.5	
		eS	15 10 35	T	0.4	22.5 (0)		
8	PM	eP	15 15 04.5	Z	0.9	3.8 (0)		
8	CP	eP	15 24 01.4	Z	0.2	12.9 (0)	0.3	
		eS	15 24 07	T	0.2	15.7 (0)		
8	WI	eP	15 25 26.3	Z	0.6	1.8 (0)		
8	CP	eP	15 28 21.2	Z	0.2	3.4 (0)	0.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	15 28 31	T	0.3	11.2 (0)		
		eP	15 29 02.9	Z	0.2	7.5 (0)		
		eS	15 29 13	R	0.3	12.3 (0)		
8	LC	eL	15 31 25	R	0.7	2.9 (0)		
8	DH	eP	15 51 52.0	Z	0.3	28.6 (0)	1.8	
		eS	15 52 16	R	0.3	34.4 (0)		
8	CP	eP	16 05 03.0	Z	0.2	5.4 (0)	1.7	
		eS	16 05 26	R	0.2	13.6 (0)		
8	MN	eP	16 31 00.7	Z	0.3	3.4 (0)	1.1	
		eS	16 31 15	R	0.3	3.3 (0)		
8	LC	eP	16 35 03.5	Z	0.3	3.1 (0)	1.3	
		eS	16 35 21	T	0.3	4.4 (0)		
8	MN	eP	18 26 53.6	Z	0.2	2.7 (0)	1.1	
		eS	18 27 08	R	0.3	2.4 (0)		
8	MN	eP	18 43 21.5	Z	0.5	0.6 (0)		
8	WI	eP	18 56 15.3	Z	999.9	99.9 (9)		
8	19 52 45.*		16.1 S 176.9 W FIJI ISLANDS REGION H =542 KM					
8	DH	eP	19 58 42.7	Z	0.5	7.5 (0)		
8	LC	eP	20 34 50.0	Z	0.3	4.0 (0)	1.5	
		eS	20 35 09	T	0.3	4.9 (0)		
8	22 58 32.*		14.5 S 174.0 W SAMOA ISLANDS REGION H =033 KM MAG 4.40- CGS					
8	MN	eP	23 10 08.0	Z	0.5	0.6 (0)	74.0	3.82
8	WI	eP	23 10 20.0	Z	0.6	1.4 (0)	76.0	4.17
8	LC	eP	23 10 38.3	Z	0.7	3.7 (0)	80.0	4.39
							AVG.	4.13
9	00 53 00.8		27.3 N 138.0 E BONIN ISLANDS REGION H =267 KM MAG 4.20- CGS					
9	CP	tP	01 21 47.7D	Z	0.3	35.9 (0)	0.7	
		eS	01 21 58	R	0.3	38.5 (0)		
9	01 30 32.2		23.5 S 176.0 W TONGA ISLANDS REGION H =033 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	MN	eP	01 42 52.4	Z	1.0	1.5 (0)	82.0	4.00
9	WI	eP	01 43 03.7	Z	0.7	1.1 (0)	84.0	4.10
		eL	02 14 37	LZ	21	11.5 (1)		
9	LC	eP	01 43 14.8	Z	1.0	2.5 (0)	86.0	4.23
		eL	02 10 40	LZ	20	10.9 (1)		
9	CP	eL	02 07 32	LZ	20	21.4 (1)	80.0	
9	MV	eL	02 10 50	LZ	20	79.8 (0)	81.0	
9	NG	eL	02 26 03	LZ	20	95.8 (0)	105.0	
							AVG.	4.11
9	MN	tP	03 56 35.4C	Z	0.4	3.8 (0)	0.8	
		eS	03 56 45	T	0.4	8.6 (0)		
9	03 57 57.9		17.5 S 168.0 E NEW HEBRIDES ISLANDS H =033 KM MAG 4.00- CGS					
9	MN	eP	04 10 55.8	Z	0.9	1.2 (0)	89.0	4.09
		eL	04 39 17	LZ	22	18.9 (1)		
9	WI	eP	04 11 01.5	Z	0.8	1.3 (0)	91.0	4.28
9	MV	eL	04 37 45	LZ	26	14.2 (1)	87.0	
9	CP	eL	04 39 00	LZ	23	10.6 (1)	88.0	
9	PM	eL	04 45 00	LZ	30	22.5 (1)	99.0	
9	NG	eL	04 52 57	LZ	23	11.1 (1)	112.0	
							AVG.	4.19
9	07 09 28.8		51.0 N 178.8 E RAT ALEUTIAN ISLANDS REG. H =070 KM MAG 4.50- CGS					
9	MV	eP	07 17 21.5	Z	0.8	3.0 (0)	43.0	4.07
9	WI	eP	07 17 30.6	Z	0.9	3.4 (0)	44.0	4.08
9	MN	eP	07 17 41.0	Z	0.8	1.4 (0)	45.0	3.80
		eL	07 31 35	LZ	22	13.2 (1)		
9	CP	eP	07 18 17.5	Z	0.8	1.7 (0)	50.0	4.02
9	PM	eP	07 18 27.2	Z	0.7	3.3 (0)	51.0	4.44
9	LC	eP	07 19 04.6	Z	0.7	1.2 (0)	56.0	4.04
9	NG	eP	07 19 14.9	Z	0.6	4.1 (0)	58.0	4.63
							AVG.	4.16
9	07 42 20.3		12.2 S 166.9 E SANTA CRUZ ISLANDS REGION H =233 KM MAG 4.30- CGS					
9	MN	eP	07 54 36.3	Z	1.0	2.3 (0)	86.0	3.97
9	09 02 23.6		06.3 N 126.1 E COAST OF MINDANAO,P.I. H =106 KM MAG 4.90- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	WI	eP	09 19 21.1	Z	0.8	4.0 (0)		
9	MN	eP	09 19 37.6	Z	0.8	2.3 (0)		
9	09 39 06.9		77.9 N 9.2 E SVALBARD REGION H =063 KM MAG 4.20- CGS					
9	WI	eP	14 05 19.2	Z	0.3	6.4 (0)	3.7	
		eS	14 06 07	R	0.3	11.5 (0)		
9	15 50 31.8		15.3 S 172.9 W SAMOA ISLANDS REGION H =033 KM MAG 4.50- CGS					
9	CP	eP	16 01 55.4	Z	0.7	1.4 (0)	72.0	4.11
		eL	16 23 55	LZ	25	21.2 (1)		
9	MN	eP	16 02 06.6	Z	1.3	7.6 (0)	74.0	4.50
		e	16 11 53	LR	17	21.8 (1)		
		eSS	16 16 33	LR	16	15.4 (1)		
		eLQ	16 21 45	LR	25	24.2 (1)		
		eLR	16 25 57	LZ	23	22.6 (1)		
		eL	16 31 22	LZ	18	28.8 (1)		
		eL	16 31 22	LR	17	18.7 (1)		
		eL	16 31 22	LT	18	28.9 (1)		
9	WI	eP	16 02 14.9	Z	1.2	3.4 (0)	76.0	4.26
		eL	16 31 36	LT	19	17.8 (1)		
9	LC	eP	16 02 35.9	Z	1.3	7.2 (0)	79.0	4.47
		eL	16 27 15	LZ	28	29.7 (1)		
9	PM	eP	16 03 00.5	Z	1.4	16.0 (0)	84.0	4.95
9	MV	eL	16 24 30	LZ	24	19.8 (1)	73.0	
9	NG	eL	16 36 45	LZ	26	19.5 (1)	97.0	
9	DH	eL	16 48 08	LZ	20	59.9 (1)	106.0	
							AVG.	4.46
9	MN	eP	17 33 05.7	Z	0.6	2.9 (0)		
9	WI	eP	18 26 50.6	Z	0.3	4.0 (0)	0.8	
		eS	18 27 08	R	0.3	5.3 (0)		
9	20 37 51.6		10.7 N 41.9 W MID ATLANTIC OCEAN H =033 KM MAG 5.00- CGS					
9	DH	eP	20 45 47.0	Z	0.8	11.8 (0)	43.0	4.67
		eS	20 52 20	LR	23	10.1 (2)		
		eL	20 57 42	LZ	28	13.0 (2)		
9	NG	eP	20 47 02.5	Z	1.0	9.9 (0)	53.0	4.72

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePS	20 54 36	LT	25	84.7 (1)		
		eL	21 02 55	LZ	21	10.5 (2)		
9	LC	eP	20 48 16.8	Z	1.0	20.0 (0)	63.0	5.13
		ePS	20 57 20	LR	25	45.0 (1)		
		eLQ	21 03 55	LT	30	65.2 (1)		
		eLR	21 09 40	LZ	23	67.8 (1)		
9	PM	eP	20 48 17.8	Z	0.8	13.9 (0)	63.0	5.07
		ePS	20 57 15	LR	21	69.3 (1)		
		eLR	21 07 45	LZ	31	10.4 (2)		
9	CP	eP	20 49 10.1	Z	0.7	7.1 (0)	71.0	4.81
		eL	21 15 55	LZ	24	31.9 (1)		
9	WI	eP	20 49 15.3	Z	0.8	30.7 (0)	72.0	5.38
		eL	21 12 56	LT	23	55.7 (1)		
9	MN	eP	20 49 17.6	Z	0.9	3.6 (0)	73.0	4.40
		eL	21 12 58	LZ	32	46.6 (1)		
9	MV	eP	20 49 31.6	Z	0.8	3.0 (0)	75.0	4.31
		eS	20 59 10	LT	29	17.3 (2)		
		ePS	21 00 10	LT	31	14.8 (2)		
		eSS	21 04 30	LT	38	36.4 (2)		
		eLQ	21 10 02	LT	35	34.8 (2)		
		eLR	21 15 40	LZ	32	43.9 (1)		
							AVG.	4.81
10	CP	eP	03 02 16.3	Z	0.2	2.7 (0)	0.7	
		eS	03 02 26	R	0.2	10.5 (0)		
10	04 16 37.7		55.4 S 146.4 E W. OF MACQUARIE ISLANDS H =033 KM MAG 6.10- CGS					
10	CP	eP'	04 35 26.8	Z	1.0	5.7 (0)	120.0	
		eSS	04 53 32	LT	27	14.9 (2)		
		eSSS	04 57 50	LT	26	12.2 (2)		
		eG	05 04 55	LT	26	99.5 (1)		
		eLQ	05 06 40	LT	27	28.0 (2)		
		eLR	05 11 45	LZ	28	25.9 (2)		
10	MV	eP'	04 35 31.3	Z	1.5	19.6 (0)	122.0	
		ePP	04 37 04	Z	1.5	14.7 (0)		
		e	04 48 51	Z	0.8	2.9 (0)		
		e	04 52 33	Z	0.8	2.9 (0)		
		eSS	04 54 04	LR	25	17.3 (2)		
		eSSS	04 58 32	LR	27	10.7 (2)		
		eLR	05 13 17	LZ	25	34.1 (2)		
10	MN	eP'	04 35 33.6	Z	1.2	15.3 (0)	123.0	
		ePP	04 37 13	Z	1.5	29.3 (0)		
		eSS	04 54 17	LR	27	16.7 (2)		
		eSSS	04 58 50	LR	28	19.4 (2)		
		e	05 02 05	LR	28	10.9 (2)		
		eG	05 07 50	LR	31	39.0 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	05 09 48	LR	28	77.3 (1)		
		eLR	05 12 15	LZ	29	12.5 (2)		
10	LC	eP'	04 35 36.7	Z	1.1	6.1 (0)	125.0	
		eSS	04 54 43	LR	25	16.0 (2)		
		eSSS	04 59 16	LR	24	17.0 (2)		
		eG	05 08 54	LR	44	10.3 (3)		
		eLQ	05 10 30	LR	25	22.0 (2)		
		eLR	05 15 11	LZ	28	23.8 (2)		
10	WI	eP'	04 35 36.9C	Z	1.1	31.0 (0)	126.0	
		eSS	04 54 45	LR	27	99.9 (9)		
		e	04 56 55	LZ	22	15.5 (2)		
		eSSS	04 59 15	LR	22	16.8 (2)		
		eG	05 09 06	LR	46	99.9 (9)		
		eLQ	05 09 56	LR	21	11.1 (2)		
		eLR	05 15 27	LZ	26	24.2 (2)		
10	FM	eP'	04 35 40.7	Z	0.9	5.3 (0)	127.0	
		ePP	04 37 41	Z	1.3	13.2 (0)		
		e	04 55 33	LR	33	10.6 (2)		
		eLR	05 15 58	LZ	24	14.4 (2)		
10	PM	eP'	04 35 49.9	Z	1.4	20.0 (0)	132.0	
		ePP	04 38 19	Z	2.7	42.7 (1)		
10	NG	eP'	04 36 10.4	Z	1.1	15.8 (1)	145.0	
		eSS	04 58 25	LT	28	25.0 (2)		
		eSSS	05 03 54	LT	24	17.1 (2)		
		e	05 07 50	LT	24	15.4 (2)		
		eG	05 17 19	LT	41	10.4 (3)		
		eLQ	05 18 20	LT	27	23.5 (2)		
		eLR	05 24 45	LZ	26	15.6 (2)		
10	DH	eP'	04 36 26.1	Z	1.0	50.4 (0)	150.0	
		e	04 57 56	LT	35	31.4 (2)		
		eSS	04 59 22	LT	30	14.7 (2)		
		eSSS	05 05 14	LR	30	19.0 (2)		
		eLQ	05 27 30	LR	29	16.6 (2)		
		eLR	05 34 08	LZ	23	34.9 (2)		

10 05 02 34.6 18.6 S 169.3 E NEW HEBRIDES ISLAND REG.
H =240 KM MAG 4.20- CGS

10	WI	eP	05 15 08.3	Z	0.9	4.4 (0)	91.0	4.44

10 05 14 15.6 55.2 S 146.3 E W. OF MACQUARIE ISLANDS
H =033 KM

10	MN	eP'	05 33 11.9	Z	1.0	4.1 (0)	123.0	
10	LC	eP'	05 33 14.5	Z	0.9	3.8 (0)	125.0	
10	WI	eP'	05 33 15.0	Z	1.0	16.0 (0)	126.0	
10	FM	eP'	05 33 19.3	Z	0.8	4.0 (0)	127.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	NG	eP'	05 33 47.4	Z	0.8	58.5 (0)	145.0	
10	DH	eP'	05 34 04.5	Z	1.0	30.2 (0)	150.0	

10 06 39 04.0 55.3 S 146.1 E W. OF MACQUARIE ISLANDS
H =018 KM MAG 6.00- CGS

10	CP	eP'	06 57 55.2	Z	1.0	5.7 (0)	120.0	
		eSS	07 16 05	LT	31	26.1 (2)		
		eLQ	07 27 25	LR	23	17.1 (2)		
		eLR	07 34 05	LZ	27	56.3 (2)		
		eL	07 38 10	LZ	26	99.9 (9)		
		eL	07 38 10	LR	21	85.3 (2)		
		eL	07 38 10	LT	24	58.8 (2)		
10	MV	eP'	06 57 59.1	Z	1.2	10.2 (0)	122.0	
		ePS	07 09 41	LT	19	12.3 (2)		
		eSS	07 16 25	LT	20	60.7 (2)		
		eSSS	07 20 39	LT	20	15.0 (2)		
		eLQ	07 30 15	LR	31	13.8 (2)		
		eLR	07 34 21	LZ	31	53.9 (2)		
		eL	07 42 05	LZ	22	55.8 (2)		
		eL	07 42 05	LR	20	22.1 (2)		
		eL	07 42 05	LT	21	59.0 (2)		
10	MN	eP'	06 58 00.4	Z	1.2	12.7 (0)	124.0	
		ePP	06 59 44	Z	1.4	27.7 (0)		
		ePKKP	07 07 53	Z	1.3	6.3 (0)		
		e	07 11 29	Z	1.0	3.3 (0)		
		e	07 12 00	LT	19	15.5 (2)		
		eSS	07 16 47	LR	23	99.9 (9)		
		eSSS	07 21 23	LR	22	21.6 (2)		
		eLQ	07 30 02	LR	30	21.1 (2)		
		eLR	07 34 50	LZ	28	99.9 (9)		
10	LC	eP'	06 58 04.1	Z	1.1	7.7 (0)	126.0	
		ePS	07 10 07	LT	24	11.6 (2)		
		ePKKS	07 11 35	LT	22	19.4 (2)		
		eSS	07 17 50	LR	23	17.8 (2)		
		eSSS	07 22 00	LT	27	45.8 (2)		
		eLQ	07 31 20	LR	26	33.5 (2)		
		eLR	07 36 50	LZ	31	99.9 (9)		
10	WI	eP'	06 58 04.2D	Z	1.1	39.5 (0)	126.0	
		eSKKS	07 06 42	LT	33	16.2 (2)		
		ePKKS	07 11 35	LT	19	14.2 (2)		
		eSS	07 17 13	LT	34	41.8 (2)		
		eLQ	07 31 33	LT	20	13.5 (2)		
		eLR	07 36 15	LZ	28	24.3 (2)		
10	FM	eP'	06 58 08.0	Z	1.0	6.8 (0)	127.0	
		eSKS	07 05 25	LR	20	45.0 (1)		
		eSKKS	07 07 13	LR	23	37.9 (1)		
		ePS	07 10 20	LR	21	62.6 (1)		
		eSS	07 17 25	LR	32	36.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSSS	07 22 17	LR	23	19.5 (2)		
		eLR	07 37 30	LZ	37	99.9 (9)		
10	PM	eP'	06 58 18.2	Z	1.8	96.2 (0)	132.0	
10	NG	eP'	06 58 37.9D	Z	1.1	20.1 (1)	145.0	
		eSSS	07 26 33	LR	28	20.4 (2)		
		eLR	07 45 45	LZ	21	19.3 (2)		
10	DH	eP'	06 58 50.1	Z	1.2	46.5 (0)	150.0	
		e	07 22 54	LR	22	33.5 (2)		
		eSSS	07 27 45	LR	29	71.1 (2)		
		eLQ	07 31 40	LR	33	41.7 (2)		
		eLR	07 50 25	LZ	32	86.1 (2)		
		eL	07 55 15	LZ	32	10.1 (3)		
		eL	07 55 15	LR	24	68.8 (2)		
		eL	07 55 15	LT	21	47.4 (2)		
10	MN	eP	06 48 05.6	Z	0.5	5.6 (0)	0.4	
		eS	06 48 12	R	0.4	4.7 (0)		

10 07 54 28.2 51.5 N 178.5 W ANDREANOF ALEUTIAN ISLANDS
H =033 KM MAG 4.70- CGS

10	MV	eP	08 02 10.0	Z	0.6	2.7 (0)	41.0	4.20
10	WI	iP	08 02 19.4C	Z	0.5	4.7 (0)	42.0	4.51
10	MN	eP	08 02 30.0	Z	0.5	0.9 (0)	43.0	3.77
10	FM	eP	08 02 55.2	Z	0.5	5.2 (0)	47.0	4.81
10	CP	eP	08 03 11.5	Z	0.9	4.4 (0)	48.0	4.49
10	PM	eP	08 03 17.1	Z	0.4	4.6 (0)	49.0	4.83
10	LC	eP	08 03 54.6	Z	0.8	5.1 (0)	55.0	4.61
10	NG	eP	08 04 06.7	Z	0.5	14.9 (0)	56.0	5.27
10	DH	eP	08 05 09.1	Z	0.5	7.6 (0)	66.0	5.08
							AVG.	4.62
10	PM	eP	07 57 10.6	Z	0.2	4.0 (0)	1.3	
		eS	07 57 26	R	0.2	38.3 (0)		
10	MN	iP	10 32 59.9C	Z	0.5	7.5 (0)	0.5	
		eS	10 33 07	R	0.4	11.1 (0)		

10 10 46 58.1 50.9 N 160.2 E OFF COAST OF KAMCHATKA
H =033 KM MAG 5.30- CGS

10	MV	eP	10 56 22.6	Z	0.7	11.6 (0)	54.0	5.02
10	WI	iP	10 56 28.3D	Z	1.0	44.6 (0)	55.0	5.44
10	MN	iP	10 56 40.5D	Z	1.1	32.8 (0)	57.0	5.27

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	FM	eP	10 57 00.9	Z	1.4	73.8 (0)	59.0	5.52
10	CP	eP	10 57 13.6	Z	1.3	19.3 (0)	61.0	5.03
10	PM	eP	10 57 16.6	Z	1.0	30.3 (0)	62.0	5.41
10	NG	eP	10 57 50.0	Z	1.2	45.6 (0)	67.0	5.48
10	LC	iP	10 57 53.4D	Z	1.2	28.8 (0)	67.0	5.28
10	DH	eP	10 58 39.6	Z	0.8	23.8 (0)	76.0	5.27
							AVG.	5.30
10	MN	eP	11 12 34.8	Z	0.4	5.1 (0)	3.3	
		eS	11 13 18	R	0.3	2.1 (0)		

10 12 19 56.1 04.6 S 152.0 E NEW BRITAIN
H =174 KM MAG 5.20- CGS

10	MV	eP	12 32 39.3	Z	1.0	5.0 (0)	90.0	4.45
10	MN	iP	12 32 50.5C	Z	1.2	28.1 (0)	93.0	5.32
10	WI	eP	12 32 52.7	Z	1.2	28.1 (0)	93.0	5.32
10	CP	eP	12 32 57.1	Z	1.3	24.8 (0)	94.0	5.25
10	FM	eP	12 33 12.5	Z	0.9	5.3 (0)	97.0	4.92
10	LC	ePKKP	12 49 59	Z	0.9	5.7 (0)	102.0	
							AVG.	5.05
10	PM	eP	16 00 38.7	Z	0.2	4.8 (0)	1.2	
		eS	16 00 54	R	0.3	23.9 (0)		
10	MN	eP	18 29 08.0	Z	0.6	0.6 (0)		
10	LC	eP	18 32 52.2	Z	0.2	4.7 (0)	1.5	
		eS	18 33 12	T	0.3	4.4 (0)		

10 18 42 06.2 05.1 S 151.7 E NEW BRITAIN
H =112 KM MAG 4.90- CGS

10	MN	iP	18 55 10.6C	Z	1.0	22.4 (0)	93.0	5.42
10	WI	eP	18 55 12.5	Z	1.0	11.4 (0)	94.0	5.22
10	CP	eP	18 55 17.4	Z	0.8	4.2 (0)	94.0	4.88
10	LC	ePKKP	19 12 16	Z	1.1	4.6 (0)	103.0	
							AVG.	5.17
10	CP	eP	20 01 55.4	Z	0.2	2.0 (0)	1.3	
		eS	20 02 12	R	0.3	3.9 (0)		
10	DH	eP	22 36 54.4	Z	0.3	7.2 (0)	1.5	
		eS	22 37 14	R	0.4	26.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	23 58 44.3		04.5 S 152.8 E NEW BRITAIN H =069 KM MAG 5.20- CGS					
11	MN	eP	00 11 47.1	Z	1.0	5.7 (0)	92.0	4.85
11	DH	eP'	00 17 35.5	Z	0.9	15.7 (0)	123.0	
11	LC	ePKKP	00 29 02	Z	1.0	2.5 (0)	101.0	
11	CP	eLR	00 41 50	LZ	26	66.7 (1)	93.0	
11	SJ	eP	00 39 01.9	Z	0.4	23.3 (0)	1.2	
		eS	00 39 19	R	0.6	58.1 (0)		
11	SJ	eP	01 19 45.1	Z	0.5	6.3 (0)	2.1	
		eS	01 20 13	R	0.5	8.7 (0)		
11	CP	eP	02 24 19.4	Z	0.3	12.3 (0)	0.6	
		eS	02 24 .28	R	0.3	14.0 (0)		
11	03 25 40.7		37.1 N 70.3 E HINDU KUSH H =038 KM MAG 4.30- CGS					
11	MN	eP	03 32 10.5	Z	0.5	0.6 (0)	0.1	
		eS	03 32 13	R	0.4	2.9 (0)		
11	WI	eP	04 06 58.2	Z	0.5	0.8 (0)		
11	CP	tP	04 15 09.7C	Z	0.3	5.1 (0)	0.8	
		eS	04 15 21	R	0.3	34.2 (0)		
11	04 15 49.4		59.8 N 153.0 W COOK INLET, ALASKA H =050 KM MAG 4.70- CGS					
11	WI	tP	04 21 43.8D	Z	0.8	8.1 (0)	29.0	4.50
11	MN	tP	04 22 02.2D	Z	0.7	12.1 (0)	31.0	4.83
		ePCP	04 24 57	Z	0.6	1.0 (0)		
11	PM	eP	04 22 34.8	Z	0.8	2.9 (0)	35.0	4.27
11	CP	eP	04 22 50.4	Z	0.7	6.4 (0)	36.0	4.61
11	LC	eP	04 23 29.6	Z	0.7	1.2 (0)	41.0	3.79
		eSCP	04 29 08	Z	0.8	1.4 (0)		
11	DH	eP	04 24 32.2	Z	0.4	14.1 (0)	49.0	5.29
							AVG.	4.55
11	MN	eP	08 57 12.2	Z	0.5	1.8 (0)	2.5	
		eS	08 57 45	R	0.3	6.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	CP	eP	10 55 28.4	Z	0.4	3.9 (0)	0.1	
		eS	10 55 31	R	0.3	16.0 (0)		
11	13 08 31.4		63.1 N 151.4 W CENTRAL ALASKA H =031 KM					
11	WI	tP	13 14 35.3D	Z	0.8	13.5 (0)	30.0	4.79
		eS	13 19 47	LR	25	11.8 (2)		
		eL	13 23 48	LT	25	11.8 (2)		
		eL	13 25 02	Z	0.8	1.3 (0)		
11	MV	eP	13 14 38.4	Z	0.6	12.7 (0)	30.0	4.89
		ePCP	13 17 39	Z	0.7	3.3 (0)		
		eS	13 18 59	LT	41	77.0 (2)		
		eL	13 23 10	LZ	20	40.0 (1)		
11	MN	eP	13 14 55.2	Z	0.9	23.8 (0)	32.0	5.06
		ePCP	13 17 45	Z	0.7	6.4 (0)		
		eS	13 20 26	LR	28	81.4 (1)		
		eLR	13 25 28	LZ	19	14.3 (2)		
11	PM	eP	13 15 19.9	Z	0.9	31.0 (0)	35.0	5.23
		eL	13 25 47.1	Z	0.7	2.5 (0)		
11	CP	eP	13 15 44.4	Z	0.8	19.5 (0)	38.0	4.95
		eL	13 27 29	LZ	20	11.8 (2)		
11	NG	eP	13 15 55.0	Z	0.9	37.3 (0)	39.0	5.11
		ePCP	13 18 04	Z	0.7	9.6 (0)		
		eL	13 24 45	LZ	14	35.7 (1)		
		eL	13 28 48	R	2.0	14.0 (1)		
11	LC	eP	13 16 18.3	Z	0.7	8.7 (0)	42.0	4.62
		ePCP	13 18 11	Z	0.8	2.2 (0)		
		eS	13 22 43	LT	18	10.5 (2)		
		eL	13 30 10	LR	25	60.0 (1)		
11	DH	eP	13 17 03.5	Z	0.9	15.7 (0)	48.0	5.04
		ePCP	13 18 34	Z	0.8	12.1 (0)		
		eLQ	13 31 02	LR	21	20.8 (2)		
		eL	13 33 13	Z	2.0	19.1 (1)		
		eLR	13 35 25	LZ	19	29.0 (2)		
11	SJ	eP	13 17 19.8	Z	0.7	42.0 (0)	49.0	5.54
		ePCP	13 18 41	Z	0.8	55.0 (0)		
		eLQ	13 28 25	LR	21	14.1 (2)		
		eLR	13 34 30	LZ	26	24.5 (2)		
							AVG.	5.03
11	15 23 42.3		31.8 N 116.2 W BAJA, CALIFORNIA H =033 KM MAG 5.20- CGS					
11	CP	eP	15 23 56.5	Z	999.9	99.9 (9)	0.9	
		eP	15 23 58	LZ	999.9	99.9 (9)		
11	MN	tP	15 25 22.5D	Z	0.7	17.0 (0)	7.0	5.02

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	15 25 33	LZ	24	55.5 (1)		
		e	15 25 50	Z	999.9	99.9 (9)		
		eL	15 27 25	LR	18	19.9 (2)		
11	LC	eP	15 25 39.6	Z	0.6	28.2 (0)	8.0	5.47
		eP	15 25 50	LZ	23	70.5 (1)		
		eL	15 27 43	LT	19	51.2 (2)		
		eL	15 27 51	R	0.7	36.5 (0)		
11	MV	eP	15 25 44.6	Z	0.5	16.5 (0)	8.0	5.32
		eL	15 28 05	LZ	19	33.7 (2)		
11	WI	eP	15 26 01.3	Z	0.5	31.9 (0)	9.0	5.80
		eL	15 28 04	LT	34	50.4 (2)		
11	PM	eP	15 26 39.6	Z	0.8	3.9 (0)	13.0	4.46
		e	15 27 29	Z	1.1	29.0 (0)		
		eL	15 30 07	R	2.0	37.7 (1)		
11	SJ	eP	15 27 40.6	Z	0.9	26.0 (0)	16.0	4.39
		eS	15 30 42	LR	23	16.3 (2)		
		eL	15 32 05	LZ	15	19.8 (2)		
		eL	15 32 38	R	1.7	12.8 (1)		
11	NG	eP	15 29 13.4	Z	0.8	5.7 (0)	26.0	4.22
		eS	15 33 54	LR	18	93.9 (1)		
		eL	15 37 08	Z	0.8	8.6 (0)		
		eL	15 37 30	LR	15	21.6 (2)		
11	DH	eL	15 40 00	LT	30	19.6 (2)	34.0	
							AVG.	4.95

11	CP	eP	15 41 57.4	Z	0.3	29.7 (0)	0.8	
		eS	15 42 08	R	0.3	34.2 (0)		
11	CP	eP	15 50 00.9	Z	999.9	99.9 (9)		
11	MN	eP	15 51 26.8	Z	0.4	0.5 (0)		
11	MN	e	15 51 50	Z	0.8	2.8 (0)		
11	CP	tP	16 05 58.9D	Z	0.2	19.1 (0)	0.7	
		eS	16 06 10	R	0.3	17.1 (0)		
		tP	16 08 07.3D	Z	0.3	11.2 (0)		
		eS	16 08 18	R	0.3	10.5 (0)		
		tP	16 11 58.5D	Z	0.3	16.4 (0)		
		eS	16 12 09	R	0.3	15.0 (0)		
		eP	16 17 37.5	Z	0.2	35.5 (0)		
		eS	16 17 48	R	0.2	50.9 (0)		
		eP	16 23 53.2	Z	0.2	15.0 (0)		
		eS	16 24 04	R	0.3	12.0 (0)		

11 17 13 11.5 23.1 S 179.8 W FIJI ISLANDS
H =550 KM MAG 4.10- CGS

11	MN	eP	17 24 46.0	Z	1.1	4.0 (0)	84.0	3.96
11	WI	eP	17 24 56.3	Z	1.0	3.4 (0)	86.0	3.98
11	LC	eP	17 25 09.0	Z	0.9	2.8 (0)	89.0	4.10

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.01

11 17 13 36.2 23.2 S 179.7 W FIJI ISLANDS
H =550 KM MAG 4.40- CGS

11	MN	eP	17 25 09.8	Z	1.3	9.3 (0)	84.0	4.25
11	WI	eP	17 25 21.5	Z	1.1	5.6 (0)	86.0	4.16
11	LC	eP	17 25 35.2	Z	0.9	2.8 (0)	89.0	4.10
							AVG.	4.17

11 18 07 24.1 30.7 N 86.9 E TIBET
H =033 KM MAG 4.50- CGS

11 18 34 24.4 37.7 N 69.4 E HINDU KUSH
H =200 KM MAG 4.10- CGS

11 18 34 30.6 04.9 N 77.5 W NEAR W. COAST OF COLOMBIA
H =033 KM MAG 4.40- CGS

11	LC	eP	18 41 53.5	Z	1.0	2.5 (0)	39.0	3.89
		eS	18 48 05	LR	24	40.0 (1)		
		eL	18 55 50	LZ	20	27.3 (1)		
11	MN	eP	18 43 22.7	Z	1.1	3.0 (0)	50.0	4.13
11	WI	eP	18 43 38.3	Z	0.9	2.6 (0)	51.0	4.20
11	SJ	eL	18 48 20	LR	25	25.1 (1)	30.0	
11	NG	eL	18 53 15	LR	29	27.4 (1)	42.0	
							AVG.	4.07

11	LC	eP	19 02 15.9	Z	0.9	1.9 (0)		
11	LC	eP	20 32 50.0	Z	0.3	14.2 (0)	1.3	
		eS	20 33 08	R	0.3	9.6 (0)		
11	LC	eP	21 01 23.9	Z	0.3	1.3 (0)	2.4	
		eS	21 01 54	R	0.4	2.5 (0)		
11	CP	tP	23 06 36.0D	Z	0.2	9.5 (0)	0.8	
		eS	23 06 41	R	0.3	10.0 (0)		
12	CP	tP	01 42 55.8D	Z	0.3	8.2 (0)	0.8	
		eS	01 43 07	R	0.3	38.3 (0)		

12 02 50 58.8 30.8 N 142.0 E SOUTH OF HONSHU, JAPAN
H =033 KM MAG 4.40- CGS

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
12	03 28 20.*			08.9 N 126.5 E NEAR COAST MINDANAO,P.I. H =033 KM					
12	CP	iP		03 37 35.9D	Z	0.4	7.9 (0)	0.8	
		eS		03 37 47	R	0.3	21.1 (0)		
12	CP	iP		03 59 42.4D	Z	999.9	99.9 (9)		
12	04 08 11.7			15.8 S 174.2 W SAMOA ISLANDS REGION H =150 KM MAG 4.40- CGS					
12	MN	eP		04 19 40.7	Z	1.1	8.8 (0)	75.0	4.45
		eP	AS	04 20 16.5	Z	1.1	8.8 (0)		4.45
12	WI	eP		04 19 51.9	Z	0.6	2.7 (0)	78.0	4.21
		eP	AS	04 20 29.5	Z	1.1	6.8 (0)		4.34
12	LC	eP		04 20 09.7	Z	1.0	10.0 (0)	81.0	4.55
		eP	AS	04 20 48.1	Z	1.2	15.3 (0)		4.65
12	PM	eP	AS	04 21 05.0	Z	2.0	42.0 (0)	85.0	4.92
								AS .	4.59
								AVG.	4.40
12	CP	iP		04 41 43.5D	Z	0.3	12.8 (0)	0.8	
		eS		04 41 54	R	0.3	18.1 (0)		
12	CP	iP		07 28 12.7D	Z	0.3	34.8 (0)	0.6	
		eS		07 28 22	R	0.3	38.3 (0)		
12	CP	eP		08 56 02.6	Z	999.9	99.9 (9)		
12	MN	eP		08 57 35.9	Z	0.5	0.5 (0)		
12	13 02 47.9			17.0 S 173.4 W TONGA ISLANDS H =033 KM MAG 4.20- CGS					
12	MN	eP		13 14 21.7	Z	1.1	1.9 (0)	76.0	4.05
12	LC	eP		13 14 48.7	Z	0.8	1.4 (0)	81.0	4.00
								AVG.	4.02
12	15 11 59.2			55.8 S 27.8 W SANDWICH ISLANDS REGION H =033 KM					
12	WI	eP		15 30 51.5	Z	0.6	1.8 (0)	123.0	

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
12	CP	eP		17 09 17.4	Z	0.2	4.7 (0)	0.7	
		eS		17 09 28	R	0.3	20.1 (0)		
12	CP	iP		18 05 04.4D	Z	0.3	27.7 (0)	0.8	
		eS		18 05 15	R	0.3	32.2 (0)		
		iP		18 24 55.8D	Z	0.3	17.4 (0)		
		eS		18 25 07	R	0.3	23.2 (0)		
12	CP	iP		20 06 35.2D	Z	0.3	20.5 (0)	0.8	
		eS		20 06 46	R	0.3	28.2 (0)		
		iP		20 10 06.8D	Z	0.3	15.3 (0)		
		eS		20 10 17	R	0.3	16.1 (0)		
		eP		20 50 09.3	Z	0.2	12.3 (0)		
		eS		20 50 20	R	0.3	22.1 (0)		
12	22 15 15.3			31.6 N 116.3 W BAJA CALIFORNIA NORTE H =033 KM MAG 4.75-5.00 PAS					
12	CP	iP		22 15 32.9D	Z	999.9	99.9 (9)	1.1	
12	MN	eP		22 16 58.8	Z	0.4	2.7 (0)	7.0	4.46
		e		22 17 21	Z	1.0	28.5 (0)		
		eL		22 18 37	T	0.9	22.5 (0)		
12	LC	eP		22 17 15.9	Z	0.8	8.8 (0)	8.0	4.84
12	MV	eP		22 17 20.6	Z	0.6	2.1 (0)	8.0	4.35
		eL		22 19 36	T	0.8	11.6 (0)		
12	WI	eP		22 17 37.1	Z	0.7	3.3 (0)	10.0	4.74
		e		22 18 14	Z	0.8	4.6 (0)		
12	PM	eL		22 22 07	Z	2.1	48.1 (0)	13.0	
								AVG.	4.60
13	CP	eP		00 35 01.2	Z	0.2	4.7 (0)	0.8	
		eS		00 35 12	R	0.3	7.0 (0)		
13	CP	eP		01 37 49.5	Z	0.2	5.4 (0)	0.8	
		eS		01 38 01	R	0.3	22.1 (0)		
13	CP	eP		03 45 51.4	Z	0.3	35.9 (0)	0.7	
		eS		03 46 32	R	0.3	38.2 (0)		
13	05 14 26.6			15.2 S 173.3 W SAMOA ISLANDS H =033 KM MAG 4.90- CGS					
13	MN	eP		05 26 02.5	Z	0.9	4.7 (0)	74.0	4.45
		eL		05 48 30	LR	25	25.1 (1)		
13	WI	eP		05 26 14.5	Z	0.8	3.9 (0)	77.0	4.49
13	LC	eP		05 26 32.5	Z	1.0	12.5 (0)	80.0	4.76

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	PM	eP	05 26 56.5	Z	0.8	2.9 (0)	84.0	4.47
		eL	05 53 50	LR	28	33.1 (1)		
13	MV	eL	05 47 40	LZ	25	16.8 (1)	73.0	
							AVG.	4.54
13	05 30 41.*		22.8 S 67.3 W	CHILE BOLIVIA BORDER				
			H =033 KM MAG	4.30- CGS				
13	MN	eP	05 42 34.0	Z	1.1	1.9 (0)	77.0	4.04
13	WI	eP	05 42 42.5	Z	0.8	4.6 (0)	79.0	4.49
13	NG	eL	06 01 44	LZ	28	22.5 (1)	71.0	
							AVG.	4.26
13	MV	eP	05 45 36.7	Z	0.3	2.4 (0)	1.1	
		eS	05 45 51	R	0.4	5.8 (0)		
13	WI	eP	06 57 05.5	Z	0.8	2.6 (0)		
13	08 37 39.7		38.7 N 14.8 E	OFF NORTH COAST OF SICILY				
			H =033 KM MAG	4.40- CGS				
13	PM	eP	08 50 07.5	Z	1.1	37.5 (0)	84.0	5.43
13	WI	eP	08 50 34.4	Z	1.0	4.4 (0)	89.0	4.61
13	LC	eP	08 50 42.4	Z	1.1	4.6 (0)	91.0	4.69
							AVG.	4.91
13	CP	eP	08 56 10.5	Z	0.2	2.7 (0)	0.8	
		eS	08 56 21	R	0.3	15.0 (0)		
13	10 34 52.4		06.1 S 130.1 E	BANDA SEA				
			H =150 KM MAG	4.90- CGS				
13	MN	ePD	10 50 02.0	Z	1.1	1.9 (0)	111.0	
		ePP	10 53 46	Z	1.1	1.9 (0)		
		ePKKP	11 04 19	Z	0.8	1.3 (0)		
13	LC	eP'1	10 53 30.6	Z	1.1	3.0 (0)	121.0	
		eP'2	11 03 34.2	Z	0.9	4.8 (0)		
13	WI	ePKKP	11 04 08	Z	0.8	1.9 (0)	111.0	
13	MN	tP	11 37 35.4C	Z	0.4	8.0 (0)	0.6	
		eS	11 37 44	R	0.3	16.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	DH	eP	15 15 28.7	Z	0.3	7.4 (0)	1.6	
		eS	15 15 51	R	0.3	45.5 (0)		
13	MN	eP	15 22 20.7	Z	0.4	12.2 (0)		
13	WI	eP	15 23 55.8	Z	0.5	3.7 (0)		
13	SJ	tP	15 37 41.5C	Z	0.3	14.7 (1)	0.6	
		eS	15 37 51	T	0.3	31.9 (1)		
13	DH	eP	16 08 54.8	Z	0.5	7.8 (0)		
13	DH	eL	16 11 44.5	Z	0.7	10.3 (0)		
13	16 59 10.9		33.3 S 71.3 W	NEAR COAST CENTRAL CHILE				
			H =094 KM					
13	LC	eP	17 10 29.6	Z	1.1	6.1 (0)	73.0	4.36
13	NG	eP	17 11 11.7	Z	0.7	7.3 (0)	80.0	4.62
13	PM	eP	17 11 13.7	Z	1.2	10.3 (0)	91.0	4.94
13	MN	eP	17 11 20.1	Z	1.0	3.8 (0)	82.0	4.20
13	WI	eP	17 11 39.0	Z	1.1	5.4 (0)	84.0	4.41
13	LC	eL	17 36 55	LR	20	12.6 (1)	73.0	
							AVG.	4.51
13	17 26 41.1		04.6 S 153.2 E	NEW BRITAIN				
			H =054 KM MAG	5.00- CGS				
13	MN	eP	17 39 45.4	Z	0.8	2.2 (0)	92.0	4.55
		eL	18 09 00	LR	28	14.9 (2)		
13	WI	eP	17 39 47.5	Z	1.2	3.4 (0)	92.0	4.55
		eL	18 08 07	LZ	28	63.5 (1)		
13	MV	eLR	18 08 03	LZ	29	16.8 (2)	89.0	
13	CP	eL	18 09 45	LZ	27	13.7 (2)	93.0	
13	LC	eL	18 12 25	LR	28	55.0 (1)	101.0	
		eL	18 15 00	LZ	27	61.1 (1)		
		eL	18 15 00	LR	28	66.0 (1)		
		eL	18 15 00	LT	29	30.2 (1)		
13	PM	eL	18 17 02	LZ	24	60.3 (1)	102.0	
13	SJ	eL	18 18 02	LR	29	26.5 (2)	108.0	
13	NG	eLR	18 20 25	LZ	32	95.5 (1)	113.0	
		eL	18 22 37	LZ	30	11.2 (2)		
		eL	18 22 37	LR	31	68.7 (1)		
		eL	18 22 37	LT	27	32.8 (1)		
13	DH	eL	18 24 55	LZ	34	88.9 (1)	123.0	
							AVG.	4.55
13	CP	tP	18 47 48.3D	Z	0.3	20.5 (0)	0.7	
		eS	18 47 59	R	0.3	17.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			22 23 34.3	11.7 S 65.0 E	INDIAN OCEAN			
			H =033 KM					
13	LC	ePD	22 41 20.2	Z	1.0	3.7 (0)	157.0	
		eP'	22 44 03.0	Z	1.2	5.7 (0)		
13	PM	eP'1	22 42 38.1	Z	1.1	8.3 (0)	149.0	
		eP'2	22 43 18.0	Z	1.2	7.7 (0)		
13	WI	eP'	22 43 03.6	Z	1.3	8.5 (0)	150.0	
13	MV	eP'	22 43 25.2	Z	1.2	5.2 (0)	152.0	
13	MN	eP'	22 43 28.7	Z	1.2	9.5 (0)	153.0	
13	PM	eP	23 00 42.1	Z	0.4	6.9 (0)	3.1	
		eS	23 01 20	R	0.4	14.1 (0)		
13	CP	eP	23 43 37.4	Z	999.9	99.9 (9)		
14	CP	eP	06 44 15.7	Z	0.2	12.2 (0)	0.8	
		eS	06 44 27	R	0.3	11.5 (0)		
14			07 18 50.8	15.0 N 93.1 W	NEAR COAST CHIAPAS, MEXICO			
			H =033 KM	MAG 3.70-	CGS			
14	SJ	eP	07 22 05.0	Z	0.7	4.3 (0)	13.0	4.56
14	LC	eP	07 23 35.7	Z	0.9	3.2 (0)	22.0	3.73
		e	07 24 54	Z	0.9	3.2 (0)		
14	WI	eP	07 25 30.7	Z	0.9	1.6 (0)	33.0	3.93
		e	07 26 53	Z	0.7	1.0 (0)		
						AVG.		4.07
14			07 23 16.*	16.4 N 94.6 W	NEAR COAST CHIAPAS, MEXICO			
			H =033 KM	MAG 4.20-	CGS			
14	SJ	eP	07 26 13.0	Z	0.7	8.6 (0)	11.0	5.09
		eL	07 29 18	LR	19	51.7 (1)		
14	LC	eP	07 27 42.3	Z	0.9	12.0 (0)	20.0	4.16
		e	07 27 47	Z	0.8	9.2 (0)		
		eLR	07 34 35	LT	20	25.1 (1)		
14	PM	eP	07 28 50.2	Z	0.8	1.9 (0)	26.0	3.76
14	WI	eP	07 29 38.0	Z	0.8	5.1 (0)	32.0	4.44
14	MN	eLQ	07 35 56	LT	24	12.5 (1)	30.0	
		eLR	07 39 50	LT	20	83.5 (1)		
14	CP	eL	07 37 53	LR	20	25.6 (1)	25.0	
14	DH	eLR	07 37 55	LZ	18	13.6 (1)	30.0	
						AVG.		4.36

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14			08 06 37.4	12.7 N 143.5 E	MARIANA ISLANDS			
			H =027 KM	MAG 4.50-	CGS			
14	WI	eP	08 19 29.0	Z	0.5	0.8 (0)	88.0	4.23
14			08 19 16.6	14.6 N 93.4 W	NEAR COAST CHIAPAS, MEXICO			
			H =033 KM	MAG 4.00-	CGS			
14	SJ	eP	08 22 34.5	Z	0.7	8.6 (0)	14.0	4.49
14	LC	eP	08 24 03.0	Z	1.0	8.5 (0)	22.0	4.10
		eL	08 31 20	LR	17	16.3 (1)		
14	WI	eP	08 25 59.0	Z	0.8	1.9 (0)	34.0	4.04
14	MN	eLR	08 35 45	LT	26	21.9 (1)	32.0	
							AVG.	4.21
14	CP	eP	12 10 20.0	Z	0.2	4.0 (0)	1.5	
		eS	12 10 40	R	0.2	13.4 (0)		
14	DH	eP	14 45 40.2	Z	0.2	14.8 (0)	1.7	
		eS	14 46 03	R	0.2	34.6 (0)		
14	CP	eP	15 34 35.0	Z	0.2	3.4 (0)	1.3	
		eS	15 34 52	R	0.3	4.5 (0)		
14			15 37 01.2	75.7 N 24.0 E	SVALBARD REGION			
			H =033 KM	MAG 4.40-	CGS			
14	CP	eP	15 52 16.5	Z	0.2	4.0 (0)	1.5	
		eS	15 52 37	R	0.2	10.0 (0)		
14	CP	eP	16 11 07.9	Z	0.2	5.4 (0)	0.8	
		eS	16 11 19	T	0.3	15.4 (0)		
14	DH	eP	16 30 04.0	Z	0.3	7.4 (0)	1.7	
		eS	16 30 27	R	0.3	37.1 (0)		
14			16 30 46.3	17.9 S 178.5 W	FIJI ISLANDS REGION			
			H =587 KM	MAG 4.20-	CGS			
14	MV	eP	16 41 45.8	Z	1.0	11.5 (0)	78.0	4.26
14	CP	eP	16 41 46.0	Z	0.7	6.3 (0)	78.0	4.16
14	WI	eP	16 42 05.4	Z	0.7	3.7 (0)	82.0	4.03
14	LC	eP	16 42 22.3	Z	1.1	8.8 (0)	85.0	4.30

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	LC	eLR	12 04 40	LZ	15	22.4 (1)		
15	12 52 03.0		51.0 N 179.9 E RAT ALEUTIAN ISLANDS H =033 KM MAG 4.20- CGS					
15	LC	eP	13 01 39.5	Z	1.0	2.5 (0)	56.0	4.19
15	13 15 52.6		45.0 N 110.8 W YELLOWSTONE NAT. PARK.WYO. H =033 KM MAG 4.10- CGS					
15	PM	eP	13 17 12.2	Z	0.5	1.2 (0)	5.5	3.67
		eL	13 18 29	R	0.9	5.2 (0)		
15	WI	eP	13 17 22.2	Z	0.4	0.7 (0)	5.9	3.53
		e	13 17 37	Z	1.0	19.4 (0)		
15	MN	eP	13 17 57.0	Z	1.0	1.5 (0)	8.0	3.99
		eS	13 20 18	R	1.4	6.0 (0)		
							AVG.	3.73
15	MV	eP	13 50 02.7	Z	0.8	2.0 (0)		
15	15 30 37.7		36.3 S 98.9 W OFF COAST CENTRAL CHILE H =033 KM MAG 4.90- CGS					
15	SJ	eP	15 41 07.7	Z	0.7	12.1 (0)	64.0	5.13
		eS	15 49 58	LR	22	18.7 (2)		
		e	15 51 18	LR	19	14.8 (2)		
		eL	15 57 16	LT	30	38.7 (2)		
15	LC	eP	15 41 40.4	Z	1.0	10.0 (0)	69.0	4.86
		eS	15 50 50	LR	19	74.7 (1)		
		ePS	15 51 57	LR	17	45.8 (1)		
		eSS	15 55 00	LR	20	53.8 (1)		
		eSSS	15 58 37	LR	27	11.8 (2)		
		eLQ	16 01 00	LR	29	31.7 (2)		
		eLR	16 03 55	LZ	21	12.1 (2)		
		eL	16 04 15	LZ	20	71.6 (1)		
		eL	16 04 15	LR	23	86.6 (1)		
		eL	16 04 15	LT	13	40.6 (1)		
15	CP	eP	15 41 50.2	Z	1.1	7.0 (0)	70.0	4.60
		eLQ	16 01 00	LT	32	22.6 (2)		
		eLR	16 04 13	LZ	27	12.7 (2)		
15	MN	eP	15 42 26.2	Z	0.8	5.0 (0)	76.0	4.60
		e	15 42 35	Z	0.7	17.7 (0)		
		eS	15 51 57	LT	26	56.0 (1)		
		eSS	15 56 55	LT	33	57.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	16 01 19	LT	19	34.1 (1)		
		eLQ	16 03 09	LT	32	15.8 (2)		
		eLR	16 07 40	LZ	27	15.6 (2)		
15	PM	eP	15 42 31.0	Z	1.0	6.7 (0)	77.0	4.62
		eS	15 52 23	LR	21	97.7 (1)		
		eSS	15 57 30	LR	18	82.3 (1)		
		e	16 03 37	LR	26	21.2 (2)		
		eLQ	16 04 40	LR	39	10.5 (3)		
		eLR	16 10 12	LZ	22	85.9 (1)		
		eL	16 11 17	LZ	18	12.7 (2)		
		eL	16 11 17	LR	19	36.3 (1)		
		eL	16 11 17	LT	19	13.4 (2)		
15	MV	eP	15 42 33.7	Z	0.9	2.6 (0)	78.0	4.26
		e	15 51 55	LT	24	72.1 (1)		
		eSS	15 57 10	LT	20	60.6 (1)		
		eLQ	16 03 33	LR	33	15.1 (2)		
		eLR	16 07 20	LZ	24	20.1 (2)		
		eL	16 08 17	LZ	25	20.0 (2)		
		eL	16 08 17	LR	25	55.7 (1)		
		eL	16 08 17	LT	24	12.8 (2)		
15	WI	eP	15 42 40.6	Z	0.9	14.9 (0)	79.0	4.95
		eS	15 52 42	LT	25	64.5 (1)		
		eSS	15 57 28	LT	18	68.6 (1)		
		e	16 00 15	LT	18	20.9 (1)		
		eLQ	16 04 00	LT	28	13.1 (2)		
		eLR	16 09 00	LZ	28	14.2 (2)		
		eL	16 15 05	LZ	23	24.3 (1)		
		eL	16 15 05	LR	14	51.8 (1)		
		eL	16 15 05	LT	34	23.1 (2)		
15	DH	eP	15 42 53.2	Z	1.0	10.4 (0)	81.0	4.75
		eS	15 53 00	LT	20	45.4 (1)		
		eSS	15 58 33	LT	22	49.3 (1)		
		e	16 04 30	LR	34	19.0 (2)		
		eL	16 05 36	LR	45	48.9 (2)		
		eL	16 07 40	LR	27	33.0 (2)		
		eLR	16 10 00	LZ	32	44.5 (2)		
		eL	16 14 23	LZ	20	44.3 (2)		
		eL	16 14 23	LR	17	58.0 (1)		
		eL	16 14 23	LT	20	28.7 (2)		
							AVG.	4.72
15	CP	eP	15 40 54.4	Z	0.2	8.1 (0)	0.9	
		eS	15 41 06	T	0.2	27.4 (0)		
15	LC	eP	16 00 43.0	Z	0.8	0.7 (0)		
15	LC	e	16 01 59	Z	0.9	1.9 (0)		
15	MN	eP	16 17 25.3	Z	1.0	1.5 (0)		
15	MN	eP	17 44 23.0	Z	0.2	1.4 (0)	1.1	
		eS	17 44 37	R	0.5	1.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	WI	eP	17 55 50.0	Z	0.2	6.1 (0)	0.1	
		eS	17 55 53	R	0.3	14.0 (0)		
15	MN	eP	19 57 19.6	Z	0.2	5.5 (0)	1.1	
		eS	19 57 34	T	0.2	3.1 (0)		
15	MN	eP	20 55 59.0	Z	0.7	0.7 (0)		
15	CP	eP	21 30 46.2	Z	0.2	8.8 (0)	0.7	
		eS	21 30 57	T	0.2	26.0 (0)		
15	21 47 12.1		55.7 S 28.5 W SANDWICH ISLANDS H =033 KM					
15	LC	eLR	22 47 15	LZ	18	20.9 (1)	110.0	
15	WI	eP	22 06 02.7	Z	0.8	1.2 (0)		
15	CP	eP	22 27 18.2	Z	0.2	8.8 (0)	0.7	
		eS	22 27 28	T	0.2	27.4 (0)		
15	WI	eP	23 16 45.0	Z	0.2	4.1 (0)	0.1	
		eS	23 16 48	R	0.2	9.9 (0)		
15	WI	eP	23 18.47.3	Z	0.2	1.0 (0)	4.2	
		eS	23 19 38	R	0.3	1.6 (0)		
15	MN	eP	23 20 23.2	Z	0.8	0.9 (0)		
16	CP	eP	00 36 17.1	Z	999.9	99.9 (9)		
16	WI	eP	01 43 57.0	Z	0.5	1.6 (0)	3.8	
		eS	01 44 45	R	0.5	4.3 (0)		
16	02 53 24.*		44.3 N 135.5 E SEA OF JAPAN REGION H =438 KM MAG 4.00- CGS					
16	MN	eP	03 04 15.0	Z	0.6	1.2 (0)	74.0	3.69
16	03 35 52.6		22.7 S 176.3 W TONGA ISLANDS H =070 KM MAG 4.20- CGS					
16	MN	eP	03 48 05.2	Z	1.0	2.3 (0)	82.0	4.05
16	LC	eP	03 48 27.5	Z	1.0	2.5 (0)	86.0	4.15
							AVG.	4.10

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	04 43 49.0		42.7 N 142.0 E HOKKAIDO, JAPAN H =080 KM MAG 4.00- CGS					
16	MN	eP	04 55 18.0	Z	1.0	1.5 (0)	71.0	3.84
16	CP	eP	05 15 18.5	Z	0.2	0.6 (0)	0.8	
		eS	05 15 29	T	0.2	4.7 (0)		
16	DH	eLR	06 08 55	LZ	22	15.9 (1)		
16	06 27 15.*		16.6 N 100.3 W NEAR COAST GUERRERO, MEX. H =033 KM MAG 4.20- CGS					
16	SJ	eP	06 29 58.5	Z	1.0	16.5 (0)	11.0	5.22
		eL	06 33 33	T	2.0	25.5 (1)		
		eLQ	06 33 35	LT	18	17.4 (2)		
		eLR	06 34 55	LZ	14	31.3 (2)		
		eL	06 35 35	LZ	12	27.7 (2)		
		eL	06 35 35	LR	20	32.2 (2)		
		eL	06 35 35	LT	12	50.3 (2)		
16	LC	eP	06 31 10.5	Z	1.0	28.7 (0)	17.0	4.39
		eLQ	06 36 09	LR	16	44.7 (2)		
		eL	06 36 21	R	3.6	56.0 (1)		
		eL	06 36 48	LR	14	57.6 (2)		
		eL	06 36 48	LT	16	34.5 (2)		
		eL	06 36 48	LZ	15	60.3 (1)		
		eLR	06 37 58	LZ	10	20.7 (3)		
16	CP	eP	06 32 05.6	Z	1.0	5.7 (0)	22.0	3.92
		eL	06 38 08	LT	20	25.0 (1)		
16	PM	eP	06 32 38.0	Z	1.0	10.1 (0)	25.0	4.40
		eL	06 37 18	LT	24	59.2 (1)		
		eL	06 40 40	LT	18	94.4 (1)		
16	MN	eP	06 32 56.2	Z	1.0	9.2 (0)	26.0	4.33
		eL	06 42 50	LZ	15	41.8 (1)		
16	WI	eP	06 33 12.8	Z	1.0	8.9 (0)	28.0	4.48
		eS	06 38 27	LR	18	31.3 (1)		
		eLQ	06 42 53	LT	15	17.8 (2)		
		eL	06 43 18	LR	15	66.6 (1)		
		eL	06 43 18	LT	13	24.6 (2)		
		eLR	06 43 57	LZ	15	43.3 (1)		
16	MV	eLR	06 42 22	LZ	17	11.2 (1)	29.0	
16	DH	eLR	06 45 00	LZ	30	43.7 (1)	33.0	
							AVG.	4.45
16	PM	eP	06 48 39.0	Z	0.7	2.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	CP	eP	07 19 40.8	Z	0.2	1.3 (0)	0.8	
		eS	07 19 52	T	0.2	3.4 (0)		
		eP	07 48 08.9	Z	0.2	6.8 (0)		
		eS	07 48 20	R	0.2	14.7 (0)		
16	CP	eP	09 11 50.5	Z	0.2	0.6 (0)	0.9	
		eS	09 12 03	R	0.2	3.3 (0)		
16	09 19 54.8		50.8 N 129.5 W VANCOUVER ISLAND REGION H =033 KM MAG 4.40- CGS					
16	WI	eP	09 22 54.5	Z	1.0	8.9 (0)	13.0	4.71
		eL	09 25 32	LT	32	33.7 (1)		
		eL	09 27 06	LZ	22	24.3 (1)		
		eL	09 27 06	LT	18	78.1 (1)		
		eL	09 27 06	LR	13	57.9 (1)		
16	MV	eP	09 22 57.5	Z	2.5	83.8 (0)	13.0	5.29
16	MN	eP	09 23 23.0	Z	2.8	13.1 (1)	15.0	4.87
		e	09 26 25	LZ	15	18.5 (1)		
		eLQ	09 26 50	LT	27	58.1 (1)		
		eLR	09 30 52	LZ	15	48.7 (1)		
16	PM	eP	09 24 18.4	Z	1.2	38.8 (0)	20.0	4.54
		eL	09 30 35	LR	25	53.2 (1)		
16	CP	eP	09 24 30.9	Z	0.9	17.6 (0)	21.0	4.39
		e	09 24 34	Z	1.0	25.8 (0)		
16	LC	eP	09 25 16.8	Z	1.0	17.5 (0)	25.0	4.64
		eL	09 32 23	LT	32	21.6 (1)		
16	SJ	eL	09 36 40	LT	26	32.0 (1)	33.0	
16	DH	eLQ	09 38 35	LT	30	29.5 (1)	38.0	
		eLR	09 41 50	LZ	20	50.5 (1)		
						AVG.		4.74
16	WI	eP	09 26 10.5	Z	0.4	2.3 (0)	2.1	
		eS	09 26 38	R	0.4	1.5 (0)		
16	DH	eLR	13 02 35	LZ	15	33.4 (1)		
16	MN	eL	13 34 45	LZ	20	13.3 (1)		
16	WI	eLR	13 38 27	LZ	20	81.4 (0)		
16	MN	eP	14 02 18.5	Z	1.0	2.3 (0)		
16	MN	eP	14 55 06.5	Z	0.5	1.1 (0)	1.2	
		eS	14 55 21	R	0.3	3.0 (0)		
16	13 49 00.1		04.5 S 153.0 E NEW IRELAND H =072 KM MAG 5.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	M.G
16	MV	eLR	14 30 35	LZ	28	21.5 (1)	89.0	
16	MN	eLR	14 31 18	LZ	27	15.6 (1)	92.0	
16	MN	eP	16 57 04.3	Z	0.7	1.1 (0)		
16	17 27 19.4		52.2 N 179.2 E RAT ALEUTIAN ISLANDS H =139 KM MAG 4.00- CGS					
16	MN	eP	17 35 20.6	Z	0.5	0.5 (0)	45.0	3.45
16	LC	eP	17 36 42.8	Z	0.6	2.0 (0)	56.0	4.22
							AVG.	3.83
16	LC	eP	17 30 24.0	Z	0.2	7.1 (0)	2.4	
		eS	17 30 55	T	0.2	12.1 (0)		
16	18 09 13.2		15.2 N 61.4 W WINDWARD ISLANDS H =157 KM MAG 4.00- CGS					
16	LC	eP	18 17 11.0	Z	0.9	4.8 (0)	44.0	4.05
16	MN	eP	18 18 29.5	Z	1.0	2.3 (0)	55.0	3.93
							AVG.	3.99
16	CP	eP	18 50 09.0	Z	0.2	2.7 (0)	1.0	
		eS	18 50 23	R	0.2	9.3 (0)		
16	MN	eP	18 55 28.8	Z	0.3	1.1 (0)	1.2	
		eS	18 55 44	R	0.3	2.7 (0)		
16	MN	eP	19 55 24.7	Z	0.2	5.1 (0)	0.9	
		eS	19 55 37	T	0.2	26.1 (0)		
16	WI	eP	19 55 48.5	Z	0.5	0.8 (0)	2.2	
		eS	19 56 17	T	0.5	1.7 (0)		
16	22 36 46.4		22.9 S 64.0 W SALTA PROV., ARGENTINA H =040 KM MAG 4.70- CGS					
16	CP	eP	22 48 22.3	Z	0.7	2.1 (0)	75.0	4.20
16	MN	eP	22 48 51.0	Z	0.9	2.3 (0)	79.0	4.14
16	WI	eP	22 48 58.6	Z	0.7	9.9 (0)	81.0	4.87
		e	22 49 51	Z	0.7	1.1 (0)		
							AVG.	4.40

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	02 04 55.7		17.7 S 178.5 W FIJI ISLANDS REGION H =515 KM MAG 3.20- CGS					
17	02 06 10.*		15.9 S 177.9 W FIJI ISLANDS H =033 KM MAG 4.40- CGS					
17	MN	eP	02 18 05.8	Z	1.1	6.8 (0)	78.0	4.59
17	WI	eP	02 18 16.9	Z	1.0	3.2 (0)	80.0	4.18
17	LC	eP	02 18 37.0	Z	1.0	3.7 (0)	84.0	4.47
							AVG.	4.41
17	WI	e	02 26 26	LZ	40	12.6 (2)		
17	MN	eP	03 14 07.6	Z	1.0	5.5 (0)		
17	WI	eP	03 14 15.0	Z	0.7	1.6 (0)		
17	CP	eP	03 29 23.0	Z	0.2	2.0 (0)	0.6	
		eS	03 29 32	R	0.2	9.3 (0)		
17	MN	eP	04 36 11.0	Z	0.3	4.5 (0)		
17	MN	eS	04 36 20	T	0.3	16.9 (0)		
17	CP	eP	07 01 45.0	Z	999.9	99.9 (9)		
17	CP	eP	09 03 20.5	Z	0.2	2.7 (0)	0.8	
		eS	09 03 32	R	0.2	9.3 (0)		
17	WI	eP	09 06 25.9	Z	0.7	1.0 (0)		
17	CP	eP	09 40 47.5	Z	0.2	6.8 (0)		
17	10 17 15.0		44.0 N 85.3 E SINKIANG PROVINCE, CHINA H =033 KM					
17	10 23 00.1		44.9 N 150.6 E KURILE ISLANDS H =033 KM MAG 4.20- CGS					
17	MN	eP	10 33 38.0	Z	1.1	1.9 (0)	65.0	4.15
17	PM	eP	10 34 24.5	Z	0.8	2.9 (0)	72.0	4.37
							AVG.	4.26
17	10 25 32.*		45.5 N 150.4 E KURILE ISLANDS H =033 KM MAG 4.00- CGS					
17	WI	eP	10 33 41.4	Z	0.7	1.6 (0)		
17	DH	eP	10 35 40.5	Z	1.0	20.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	CP	eP	11 51 28.0	Z	0.2	1.3 (0)	1.5	
		eS	11 51 48	R	0.3	5.5 (0)		
17	CP	eP	13 40 26.7	Z	0.3	5.6 (0)	0.2	
		eS	13 40 31	R	0.3	14.0 (0)		
17	DH	eP	14 45 11.6	Z	1.0	10.1 (0)		
17	WI	eP	14 48 42.5	Z	1.0	3.2 (0)		
17	MN	eP	14 49 00.5	Z	0.6	0.6 (0)		
17	CP	eP	14 49 37.0	Z	0.7	1.4 (0)		
17	PM	eP	14 49 46.4	Z	1.0	6.7 (0)		
17	LC	eP	14 50 25.2	Z	1.0	2.5 (0)		
17	WI	e	14 50 57.2	Z	1.0	2.1 (0)		
17	MN	e	14 51 02	Z	0.5	1.1 (0)		
17	DH	eP	14 51 44.0	Z	0.5	15.3 (0)		
17	17 37 22.2		20.3 S 177.2 W FIJI ISLANDS REGION H =529 KM MAG 3.40- CGS					
17	WI	eP	17 48 57.0	Z	0.7	1.0 (0)	83.0	3.49
17	18 30 54.1		65.8 S 179.5 W SCOTT ISLAND REGION H =033 KM MAG 5.60- CGS					
17	MV	eSS	19 06 22	LR	25	11.0 (2)	114.0	
		eLQ	19 17 35	LR	33	28.5 (2)		
		eLR	19 22 52	LZ	24	43.1 (2)		
17	WI	eSS	19 07 00	LR	32	16.2 (2)	117.0	
		e	19 14 45	LT	20	94.4 (1)		
		e	19 18 36	LR	28	99.9 (9)		
		eLQ	19 19 55	LT	31	99.9 (9)		
		eLR	19 25 00	LZ	26	33.8 (2)		
		eL	19 27 15	LZ	23	99.9 (9)		
		eL	19 27 15	LR	21	31.0 (2)		
		eL	19 27 15	LT	22	24.9 (2)		
17	PM	eSS	19 07 45	LT	22	10.5 (2)	121.0	
		eSSS	19 12 15	LR	25	14.2 (2)		
		eLQ	19 21 48	LT	39	58.2 (2)		
		eLR	19 26 00	LZ	23	44.4 (1)		
		eL	19 28 36	LZ	24	16.8 (2)		
		eL	19 28 36	LR	24	16.0 (2)		
		eL	19 28 36	LT	22	13.2 (2)		
17	CP	e	19 16 46	LT	32	45.9 (2)	109.0	
		e	19 20 32	LZ	22	49.7 (2)		
17	MN	eLR	19 23 25	LZ	24	16.3 (2)	114.0	
17	SJ	eLR	19 25 55	LZ	20	23.9 (2)	111.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	DH	eLQ	19 27 50	LR	38	27.7 (2)	133.0	
		eLR	19 35 35	LZ	35	22.0 (2)		
17	18 32 14.5		60.4 N 140.8 W SOUTHWESTERN YUKON					
			H =033 KM MAG 5.10- CGS					
17	WI	eP	18 37 25.8	Z	1.2	45.5 (0)	24.0	4.84
		eP	18 37 26	LZ	20	71.4 (1)		
		e	18 40 24	Z	1.5	22.5 (0)		
		e	18 41 43	LR	28	18.5 (2)		
		eLR	18 44 35	LZ	24	99.9 (9)		
		e	18 45 27	T	4.0	61.0 (1)		
17	MV	eP	18 37 31.4	Z	1.0	58.4 (0)	24.0	5.03
		eP	18 37 32	LZ	16	80.9 (1)		
		e	18 37 38	Z	1.0	51.5 (0)		
		ePP	18 38 16	Z	1.3	39.6 (0)		
		ePCP	18 41 18	Z	0.7	1.7 (0)		
		eS	18 42 00	LR	20	20.0 (2)		
		eSS	18 42 22	LT	23	22.9 (2)		
		eLR	18 44 47	LZ	22	31.8 (2)		
17	MN	eP	18 37 48.0	Z	1.1	93.9 (0)	26.0	5.29
		eP	18 37 48	LZ	19	60.3 (1)		
		ePP	18 38 35	Z	1.3	60.9 (0)		
		ePPP	18 38 39	Z	1.3	67.0 (0)		
		ePCP	18 41 14	Z	1.3	9.1 (0)		
		e	18 42 50	LZ	22	13.6 (2)		
		e	18 44 26	T	2.0	15.3 (0)		
		e	18 44 30	LZ	21	11.4 (2)		
		eSCP	18 44 55	Z	1.0	2.3 (0)		
		eL	18 48 00	Z	13.0			
17	PM	eP	18 38 13.5	Z	1.0	16.8 (0)	29.0	4.76
		eP	18 38 22	LZ	14	46.3 (1)		
		ePP	18 39 06	LZ	34	11.1 (2)		
		eS	18 43 13	LT	22	31.5 (2)		
		eLQ	18 46 25	LR	17	76.3 (2)		
		eL	18 47 33	Z	4.0	48.5 (1)		
		eLR	18 47 50	LZ	23	26.0 (2)		
17	CP	eP	18 38 37.6	Z	1.0	40.0 (0)	32.0	5.23
		eP	18 38 55	LZ	12	12.7 (2)		
		eLR	18 49 55	LZ	21	42.7 (2)		
17	LC	eP	18 39 13.7	Z	1.0	8.7 (0)	36.0	4.57
17	DH	eP	18 40 08.9	Z	1.0	10.1 (0)	43.0	4.50
		ePP	18 41 58	Z	1.0	20.3 (0)		
		eS	18 46 43	LR	18	85.2 (1)		
		eSS	18 49 55	LT	15	14.4 (2)		
		e	18 50 09	Z	1.2	31.2 (0)		
		e	18 50 15	LZ	24	55.2 (1)		
		eL	18 52 25	LR	21	52.3 (2)		
		eL	18 54 29	Z	1.7	21.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	SJ	eP	18 40 27	LZ	15	64.4 (1)	44.0	
		e	18 42 08	LZ	15	58.8 (1)		
		eS	18 46 58	LT	18	22.0 (2)		
		eS	18 46 58	LR	18	22.5 (2)		
		eSS	18 50 10	LT	21	29.6 (2)		
		eLR	18 55 40	LZ	23	23.4 (2)		
						AVG.		4.88
17	LC	eP	20 04 15.5	Z	0.2	8.9 (0)	1.3	
		eS	20 04 33	T	0.3	5.4 (0)		
17	20 08 37.0		20.4 S 174.4 W TONGA ISLANDS					
			H =033 KM MAG 4.90- CGS					
17	CP	eP	20 20 26.7	Z	1.1	14.1 (0)	77.0	4.90
17	MV	eP	20 20 29.6	Z	1.0	6.8 (0)	78.0	4.63
17	WI	eP	20 20 50.0	Z	1.2	18.5 (0)	81.0	4.92
17	LC	eP	20 21 03.2	Z	1.0	8.7 (0)	84.0	4.84
17	PM	eP	20 21 27.0	Z	1.0	5.0 (0)	90.0	4.67
17	DH	ePD	20 22 58.0	Z	0.9	15.6 (0)	111.0	
						AVG.		4.79
17	DH	eP	20 12 57.2	Z	0.2	19.3 (0)		
17	DH	eS	20 13 08	R	0.3	23.7 (0)		
17	DH	eLR	21 06 50	LZ	20	15.9 (1)		
17	CP	eP	22 36 23.0	Z	0.2	2.7 (0)		
17	CP	eS	22 36 27	R	0.2	13.4 (0)		
17	CP	eP	22 45 04.5	Z	0.2	4.7 (0)	1.4	
		eS	22 45 22	T	0.3	4.9 (0)		
17	LC	eP	22 51 51.5	Z	0.3	1.3 (0)	2.8	
		eS	22 52 28	T	0.4	4.3 (0)		
17	23 02 06.6		04.1 S 102.2 E NEAR S. COAST OF SUMATRA					
			H =073 KM MAG 6.10- CGS					
17	MV	eP'	23 21 00.7	Z	1.0	94.5 (0)	127.0	
		e	23 21 26	Z	0.9	66.0 (0)		
		ePP	23 23 04	Z	1.0	6.8 (0)		
17	WI	eP'	23 21 04.0	Z	0.7	1.6 (0)	129.0	
		e	23 21 08	Z	0.9	40.4 (0)		
		e	23 21 28	Z	0.9	25.3 (0)		
		e	23 21 33	Z	0.7	13.0 (0)		
		ePP	23 23 10	Z	1.2	10.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	23 34 09	Z	1.3	6.3 (0)		
17	MN	eP'	23 21 05.7	Z	1.0	4.7 (0)	130.0	
		e	23 21 11	Z	1.2	42.6 (0)		
		eSKP	23 24 27	Z	2.0	84.1 (0)		
		e	23 25 02	Z	1.6	54.6 (0)		
17	CP	eP'	23 21 05.4	Z	1.0	4.2 (0)	134.0	
		e	23 21 19	Z	1.1	59.9 (0)		
		epP'	23 21 40	Z	0.9	27.4 (0)		
		ePP	23 23 37	Z	1.0	4.2 (0)		
		eSKP	23 24 42	Z	1.3	79.6 (0)		
		e	23 24 55	Z	1.0	20.0 (0)		
		esSKP	23 25 16	Z	1.3	76.9 (0)		
		e	23 25 41	T	1.3	18.7 (0)		
17	PM	eP'	23 21 05.5	Z	0.6	3.5 (0)	135.0	
		e	23 21 20	Z	1.0	47.1 (0)		
		e	23 21 39	Z	1.0	18.5 (0)		
		ePP	23 23 39	Z	1.0	3.3 (0)		
		eSKP	23 24 45	Z	1.0	15.1 (0)		
		ePKS	23 24 52	R	1.2	25.8 (0)		
		eSSKP	23 25 16	Z	0.9	11.6 (0)		
		eSSKP	23 25 20	Z	1.3	42.0 (0)		
17	LC	eP'	23 21 23.5	Z	1.0	13.7 (0)	141.0	
		e	23 21 32	Z	1.0	16.2 (0)		
		ePP	23 25 03	Z	1.3	50.4 (0)		
		eSKP	23 25 37	Z	1.0	18.7 (0)		
17	DH	eP'	23 21 25.5	Z	0.5	3.8 (0)	142.0	
		e	23 21 31	Z	1.0	20.3 (0)		
		ePP	23 24 34	Z	1.2	31.2 (0)		
		eSKP	23 25 32	Z	0.9	15.6 (0)		
18	DH	eLR	00 19 25	LZ	28	37.4 (1)	142.0	
17	SJ	eP'	23 21 51.2	Z	0.9	99.9 (9)	149.0	
		e	23 21 57	Z	1.0	50.3 (1)		
18	WI	eLR	00 03 38	LZ	28	37.1 (1)		
18	CP	eP	00 36 39.6	Z	999.9	99.9 (9)		
18	CP	eP	02 13 53.2	Z	0.2	2.0 (0)	0.8	
		eS	02 14 04	R	0.2	4.7 (0)		
18	MN	eP	02 28 06.4	Z	0.2	5.7 (0)	0.8	
18	MV	eP	02 28 16.8	Z	0.2	4.9 (0)	3.0	
18	MN	eS	02 28 18	T	0.3	3.5 (0)	0.8	
18	MV	eS	02 28 54	R	0.2	9.0 (0)	3.0	

18 04 02 31.0 29.0 N 129.9 E RYUKYU ISLANDS
H =033 KM MAG 5.50- CGS

18	MV	eP	04 15 04.8	Z	1.4	40.9 (0)	85.0	5.36

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	04 15 15	Z	1.0	17.1 (0)		
18	WI	eP	04 15 12.0	Z	1.2	46.6 (0)	86.0	5.42
		e	04 15 21	Z	1.0	28.1 (0)		
		eS	04 25 45	LT	20	34.2 (1)		
		ePS	04 26 35	LT	20	16.2 (1)		
		eSSS	04 35 10	LR	22	32.9 (1)		
		eLQ	04 38 40	LR	32	36.6 (1)		
		eLR	04 46 25	LZ	23	43.5 (1)		
		eL	04 46 56	LZ	23	43.5 (1)		
		eL	04 46 56	LR	20	17.3 (1)		
		eL	04 46 56	LT	24	32.3 (1)		
18	MN	eP	04 15 17.5	Z	1.1	13.0 (0)	88.0	5.07
		e	04 17 33	Z	1.3	4.6 (0)		
18	CP	eP	04 15 39.1	Z	1.4	17.1 (0)	92.0	5.18
		eLR	04 46 00	LZ	25	40.8 (1)		
18	PM	eP	04 15 45.1	Z	1.0	8.4 (0)	94.0	5.05
		e	04 15 53	Z	0.9	6.4 (0)		
		eL	04 48 54	LR	31	32.6 (1)		
18	SJ	eLQ	04 50 30	LT	23	60.7 (1)	107.0	
		eLR	04 54 36	LZ	22	14.8 (1)		
18	DH	eLR	04 52 40	LZ	30	48.1 (1)	106.0	
							AVG.	5.22
18	LC	eP	04 05 12.0	Z	1.0	2.5 (0)		
18	PM	eP	04 05 35.0	Z	0.8	1.9 (0)		
18	WI	eP	04 06 14.0	Z	1.0	3.2 (0)		
18	WI	e	04 06 21	Z	1.0	14.0 (0)		
18	WI	e	04 10 01	Z	1.0	2.1 (0)		
18	WI	e	04 18 28	Z	1.0	2.1 (0)		
18	PM	eP	04 23 18.7	Z	0.2	8.0 (0)	1.3	
		eS	04 23 36	R	0.2	7.9 (0)		
18	LC	eP	05 06 22.0	Z	0.8	1.4 (0)		
18	PM	eP	05 34 35.0	Z	1.0	3.3 (0)		
18	WI	eP	05 35 13.6	Z	0.9	4.9 (0)		
18	CP	eP	05 35 17.8	Z	0.2	6.1 (0)	0.7	
		eS	05 35 28	R	0.2	12.8 (0)		
18	LC	eP	05 48 59.0	Z	0.5	0.9 (0)		
18	CP	eP	05 49 05.0	Z	0.7	1.4 (0)		
18	CP	e	05 49 15	Z	1.0	5.7 (0)		
18	CP	eL	05 50 34	T	2.0	13.6 (1)		
18	CP	eL	05 50 40	LT	10	29.3 (2)		
18	LC	eL	05 50 43	R	0.6	7.1 (0)		
18	WI	eP	05 50 50.0	Z	0.9	1.6 (0)		
18	MN	eL	05 53 41	T	1.2	2.5 (0)		
18	SJ	eL	05 54 14	LZ	18	46.6 (1)		
18	PM	eLQ	05 54 50	LR	17	94.3 (1)		
18	MV	eLR	05 54 50	LZ	16	29.9 (1)		
18	WI	eL	05 55 00	LR	21	15.7 (1)		
18	WI	eL	05 55 04	T	1.0	2.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	SJ	eL	05 55 16	LR	15	26.7 (2)		
18	SJ	eL	05 55 16	LT	14	23.8 (2)		
18	SJ	eL	05 55 16	LZ	24	49.4 (1)		
18	PM	eLR	05 56 10	LZ	13	11.3 (2)		
18	DH	eL	06 04 45	LT	18	41.4 (1)		
18	DH	eLR	06 07 08	LZ	15	42.9 (1)		
18	PM	eP	06 46 14.9	Z	0.2	8.8 (0)	1.4	
		eS	06 46 33	R	0.2	7.9 (0)		
18	WI	eLR	06 48 53	LZ	15	12.6 (1)		
18	WI	eP	07 37 28.0	Z	1.0	2.1 (0)		
18	CP	eP	08 12 55.8	Z	0.2	9.5 (0)	0.8	
		eS	08 13 07	R	0.2	36.5 (0)		
18	08 37 58.4		36.3 N 70.7 E HINDU KUSH H =223 KM MAG 4.40- CGS					
18	CP	eP	08 45 13.3	Z	0.2	3.4 (0)	0.8	
		eS	08 45 24	T	0.2	13.0 (0)		
18	MN	eP	09 02 35.6	Z	0.7	0.8 (0)		
18	09 30 47.3		15.7 S 168.0 E NEW HEBRIDES ISLANDS H =176 KM					
18	MN	eP	09 43 56.5	Z	1.0	1.6 (0)		
18	MN	eP	11 02 02.0	Z	1.3	4.6 (0)		
18	WI	eP	11 02 16.0	Z	1.1	2.6 (0)		
18	LC	eP	11 02 35.5	Z	1.0	2.5 (0)		
18	CP	eLR	11 24 50	LZ	21	17.6 (1)		
18	WI	eLR	11 25 15	LZ	15	10.1 (1)		
18	PM	eL	11 31 05	LR	25	40.9 (1)		
18	DH	eLR	11 41 40	LZ	35	42.3 (1)		
18	PM	eP	12 10 02.0	Z	0.2	1.6 (0)	1.5	
		eS	12 10 21	R	0.2	7.1 (0)		
18	13 09 34.8		18.3 N 71.0 W DOMINICAN REPUBLIC H =033 KM MAG 4.00- CGS					
18	WI	eP	13 17 51.5	Z	0.7	1.0 (0)	45.0	3.82

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	MN	eP	13 36 26.6	Z	0.7	1.2 (0)		
18	WI	eP	13 36 35.0	Z	0.8	2.5 (0)		
18	CP	eP	13 51 45.1	Z	0.2	10.2 (0)	1.4	
		eS	13 52 02	R	0.2	17.5 (0)		
18	15 39 55.*		05.3 S 78.5 W NORTHERN PERU H =033 KM MAG 4.40- CGS					
18	WI	eP	15 48 25.0	Z	0.2	0.5 (0)	4.0	
		eS	15 49 15	R	0.3	2.5 (0)		
18	16 54 05.6		19.6 N 65.6 W NORTH OF PUERTO RICO H =033 KM MAG 4.60- CGS					
18	DH	eP	16 59 21.3	Z	0.7	5.1 (0)	24.0	4.13
		eL	17 03 32	R	0.6	7.9 (0)		
18	LC	eP	17 01 28.0	Z	1.0	3.7 (0)	39.0	4.07
18	PM	eP	17 01 40.5	Z	1.5	24.7 (0)	40.0	4.68
		eL	17 14 10	LR	17	30.1 (1)		
		eLR	17 17 14	LZ	19	26.7 (1)		
18	WI	eP	17 02 50.0	Z	1.0	14.0 (0)	49.0	4.91
		eL	17 19 05	LR	18	16.5 (1)		
18	MN	eP	17 02 50.5	Z	0.7	4.0 (0)	49.0	4.52
		e	17 03 20.6	Z	1.0	7.3 (0)		
18	MV	eLQ	17 19 08	LT	40	74.3 (1)	51.0	
		eLR	17 24 18	LZ	20	19.1 (1)		
						AVG.		4.46
18	MN	eP	18 19 39.8	Z	0.3	3.1 (0)	1.1	
		eS	18 19 54	T	0.3	3.5 (0)		
18	MN	eP	18 31 44.0	Z	0.3	4.0 (0)	1.0	
		eS	18 31 57	T	0.3	4.4 (0)		
18	WI	eP	19 02 41.0	Z	1.0	3.2 (0)		
18	MN	eP	19 02 42.0	Z	1.0	2.4 (0)		
18	MV	eP	19 31 57.0	Z	0.2	3.2 (0)	1.7	
		eS	19 32 19	T	0.5	6.2 (0)		
18	PM	eP	20 34 25.9	Z	0.2	4.0 (0)	3.7	
		eS	20 35 12	R	0.2	33.5 (0)		
18	MN	eP	20 36 58.0	Z	0.2	1.5 (0)	0.7	
		eS	20 37 08	R	0.2	3.5 (0)		
18	DH	eP	21 07 46.9	Z	0.2	19.5 (0)	0.8	
		eS	21 07 58	T	0.2	45.6 (0)		
18	LC	eP	21 50 22.0	Z	0.3	3.1 (0)	2.9	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	21 50 59	T	0.3	11.6 (0)		
18	PM	eP	21 51 38.0	Z	0.2	1.6 (0)	3.5	
		eS	21 52 22	R	0.3	1.7 (0)		
18	MN	eP	22 28 44.5	Z	0.2	1.9 (0)	2.7	
18	WI	eP	22 28 47.5	Z	0.5	0.8 (0)	3.1	
18	MN	eS	22 29 19	R	0.3	6.5 (0)	2.7	
18	WI	eS	22 29 27	R	0.5	4.4 (0)	3.1	
18	MV	eP	22 43 23.8	Z	0.2	3.2 (0)	1.2	
		eS	22 43 39	T	0.2	4.7 (0)		
18	CP	eP	22 48 24.0	Z	0.2	5.4 (0)	1.4	
		eS	22 48 41	T	0.2	10.4 (0)		
18	PM	eP	22 59 34.0	Z	0.2	10.4 (0)	2.8	
18	PM	eS	23 00 10	T	0.2	12.5 (0)	2.8	
18	23 14 23.9		12.6 N 124.2 E SOUTHERN LUZON, P. I. H =016 KM MAG 4.60- CGS					
18	CP	eP	23 52 08.5	Z	0.2	3.4 (0)	0.8	
		eS	23 52 19	T	0.2	18.2 (0)		
19	DH	eP	02 12 27.6	Z	0.3	7.3 (0)	0.5	
		eS	02 12 35	R	0.3	20.2 (0)		
19	02 15 54.1		23.6 S 174.9 W TONGA ISLANDS REGION H =055 KM MAG 4.30- CGS					
19	MV	eP	02 28 00.0	Z	0.9	2.6 (0)	80.0	4.10
19	MN	eP	02 28 06.4	Z	0.9	2.9 (0)	81.0	4.20
		eLR	02 54 20	LZ	23	94.2 (1)		
19	WI	eP	02 28 18.2	Z	0.7	4.6 (0)	84.0	4.65
		e	02 28 43	LZ	17	16.7 (1)		
		e	02 38 33	LR	17	46.2 (1)		
		eSP	02 40 00	LZ	18	24.9 (1)		
		eSS	02 44 10	LR	20	20.4 (1)		
		eLQ	02 51 40	LR	21	25.1 (1)		
		eLR	02 54 40	LZ	23	50.5 (1)		
		eL	02 57 20	LZ	21	62.1 (1)		
		eL	02 57 20	LR	20	39.3 (1)		
		eL	02 57 20	LT	20	46.4 (1)		
19	LC	eP	02 28 30.0	Z	0.9	1.9 (0)	86.0	4.12
19	PM	eL	03 00 00	LZ	23	38.9 (1)	91.0	
19	DH	eL	03 13 00	LZ	23	13.5 (2)	113.0	
						AVG.		4.27
19	MV	eP	02 41 38.0	Z	0.3	2.4 (0)	1.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	02 41 52	R	0.4	1.7 (0)		
19	MV	eP	03 15 50.2	Z	0.3	2.4 (0)	3.3	
		eS	03 16 32	T	0.4	12.6 (0)		
19	MN	eP	03 26 41.2	Z	0.2	1.4 (0)	0.1	
		eS	03 26 44	R	0.3	8.6 (0)		
19	MN	eP	04 15 27.1	Z	0.3	16.0 (0)	1.1	
		eS	04 15 41	T	0.4	22.2 (0)		
19	WI	eP	04 16 21.2	Z	0.3	1.4 (0)	4.3	
		eS	04 17 14	T	0.4	3.8 (0)		
19	05 43 49.4		63.4 N 151.3 W ALASKA H =060 KM MAG 4.10- CGS					
19	MN	eP	05 50 10.5	Z	0.7	0.7 (0)	32.0	3.62
19	WI	eP	06 09 40.0	Z	0.8	1.5 (0)		
19	MV	eP	07 02 41.2	Z	1.1	6.2 (0)		
19	08 38 47.6		37.9 N 112.5 W SOUTHERN UTAH H =036 KM MAG 4.20- CGS					
19	MN	eP	08 39 53.2	Z	0.2	0.7 (0)	4.3	3.66
		e	08 40 06	Z	0.4	3.7 (0)		
		eL	08 41 05	T	0.5	26.3 (0)		
		eL	08 41 15	LT	17	17.8 (1)		
19	WI	eP	08 40 03.5	Z	0.3	1.9 (0)	5.0	4.05
		e	08 40 23	Z	0.4	15.2 (0)		
		eL	08 41 25	R	0.5	26.5 (0)		
19	PM	eP	08 40 21.3	Z	0.3	1.2 (0)	6.0	3.98
		e	08 40 45	Z	0.3	4.8 (0)		
		eL	08 42 01	T	0.5	10.1 (0)		
19	LC	eP	08 40 35.4	Z	0.3	0.4 (0)	7.0	3.80
		e	08 41 03	Z	0.5	2.4 (0)		
		eL	08 42 33	R	0.5	5.1 (0)		
19	MV	eP	08 40 42.2	Z	0.5	1.2 (0)	7.0	4.02
		e	08 40 54	Z	0.5	1.9 (0)		
		eL	08 42 23	T	0.5	1.8 (0)		
							AVG.	3.90
19	MN	eP	08 56 12.2	Z	0.3	0.5 (0)	4.3	
19	WI	eP	08 56 27.3	Z	0.3	0.9 (0)	5.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	MN	eS	08 57 10	T	0.4	0.9 (0)	4.3	
19	WI	eS	08 57 29	T	0.4	1.7 (0)	5.3	
19	09 09 04.0		04.7 N 126.5 E TALAUD ISLANDS REGION					
			H =083 KM MAG 6.20- CGS					
19	MV	eP	09 23 00.3	Z	999.9	99.9 (9)	104.0	
		ePP	09 27 20	Z	1.2	7.8 (0)		
		eSKS	09 33 40	LR	17	86.8 (1)		
		eS	09 34 47	LT	22	42.8 (1)		
		eS	09 34 47	LR	17	26.3 (1)		
		eSP	09 36 20	LZ	25	51.2 (1)		
		ePKKP	09 39 11	Z	0.8	2.0 (0)		
		eSS	09 41 35	LT	34	10.2 (2)		
		eSSS	09 46 28	LT	33	64.2 (1)		
		eLQ	09 51 30	LT	32	73.4 (1)		
		eLR	09 56 10	LZ	32	62.6 (2)		
		eL	09 59 42	LZ	23	22.6 (2)		
		eL	09 59 42	LR	22	18.4 (2)		
		eL	09 59 42	LT	23	10.8 (2)		
19	WI	ePD	09 23 13.2	Z	999.9	99.9 (9)	106.0	
		e	09 27 12	Z	1.2	8.2 (0)		
		ePP	09 27 53	LZ	20	21.3 (1)		
		ePP	09 27 55	Z	1.3	17.9 (0)		
		eSKS	09 33 50	LT	19	67.6 (1)		
		eSP	09 36 40	LZ	21	70.3 (1)		
		ePKKP1	09 38 44	Z	1.0	5.3 (0)		
		ePKKP2	09 39 19	Z	1.4	41.3 (0)		
		eSS	09 42 08	LR	34	61.4 (1)		
		eSSS	09 46 15	LR	28	65.1 (1)		
		eLQ	09 52 53	LR	32	13.2 (2)		
		eLR	09 58 20	LZ	31	18.9 (2)		
		eL	10 07 57	LZ	19	20.0 (2)		
		eL	10 07 57	LR	19	98.5 (1)		
		eL	10 07 57	LT	21	14.3 (2)		
19	MN	ePD	09 23 14.3	Z	0.9	1.1 (0)	107.0	
		ePD	09 23 15	LZ	20	10.8 (1)		
		ePP	09 27 36	Z	1.4	23.9 (0)		
		ePP	09 27 40	LZ	22	20.1 (1)		
		eSKS	09 33 43	LT	17	22.9 (1)		
		eS	09 34 50	LT	22	29.7 (1)		
		eSP	09 37 00	LZ	18	78.1 (1)		
		ePKKP	09 38 42	Z	1.0	2.3 (0)		
		ePKKP	09 38 56	Z	1.0	5.4 (0)		
		eSS	09 42 00	LT	29	66.2 (1)		
		eSSS	09 46 42	LT	29	40.4 (1)		
		eLQ	09 52 37	LT	30	10.4 (2)		
		eLR	09 57 42	LZ	33	58.6 (2)		
19	PM	eP'	09 27 38.6	Z	0.9	2.5 (0)	114.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	09 28 49	Z	1.6	23.2 (0)		
		ePP	09 28 50	LZ	21	19.5 (1)		
		eSP	09 38 02	LZ	22	12.4 (2)		
		eSS	09 43 47	LR	25	51.7 (1)		
		eLQ	09 56 50	LR	33	23.1 (2)		
		eLR	10 02 32	LZ	34	36.9 (2)		
		eL	10 08 48	LZ	22	21.4 (2)		
		eL	10 08 48	LR	22	16.3 (2)		
		eL	10 08 48	LT	22	18.2 (2)		
19	LC	eP'	09 27 46.3	Z	0.8	3.0 (0)	118.0	
		e	09 28 09	Z	1.0	10.1 (0)		
		ePKKP	09 38 10	Z	1.0	6.3 (0)		
19	SJ	eP'	09 28 04.5	Z	0.9	12.5 (0)	126.0	
		ePP	09 30 10	LZ	12	71.1 (1)		
		eSKS	09 35 10	LR	18	59.5 (1)		
		eSKKS	09 36 43	LR	18	66.1 (1)		
		ePS	09 39 30	LR	19	38.6 (1)		
		ePPS	09 41 43	LR	20	79.1 (1)		
		eSS	09 47 27	LR	31	12.4 (2)		
		eSSS	09 51 48	LR	21	10.1 (2)		
		eLQ	10 01 22	LR	27	83.4 (1)		
		eLR	10 07 20	LR	32	48.2 (2)		
19	DH	eP'	09 28 07.3	Z	0.9	15.8 (0)	130.0	
		ePP	09 30 25	LZ	14	61.6 (1)		
		eSKP	09 31 23	Z	0.9	79.3 (0)		
		e	09 31 23	LZ	16	83.6 (1)		
		eSP	09 41 00	LZ	17	86.8 (1)		
		eSS	09 47 25	LR	31	11.4 (2)		
		eLQ	10 07 35	LR	29	11.0 (2)		
		eLR	10 11 24	LZ	30	21.8 (2)		
		eL	10 19 05	LZ	25	58.9 (2)		
		eL	10 19 05	LR	25	18.9 (2)		
		eL	10 19 05	LT	25	13.8 (2)		
19	MN	eP	10 05 55.2	Z	999.9	99.9 (9)		
19	MN	eP	10 43 03.5	Z	0.8	0.9 (0)		
19	10 47 24.7		25.0 N 92.1 E ASSAM, INDIA					
			H =051 KM MAG 5.70- CGS					
19	WI	eP'	11 05 43.5	Z	1.0	2.6 (0)	109.0	
		e	11 06 13	Z	1.2	8.2 (0)		
19	PM	eP'	11 05 45.5	Z	1.0	3.3 (0)	112.0	
		ePP	11 06 40	Z	1.2	7.7 (0)		
19	LC	eP'	11 06 12.5	Z	1.0	2.5 (0)	120.0	
		ePP	11 07 40	Z	2.0	39.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19			11 30 50.6 44.9 N 129.4 W OFF COAST OF OREGON H =048 KM MAG 4.40- CGS					
19	MN	eP	11 33 22.1	Z	0.9	1.7 (0)	11.0	4.20
19	LC	eP	11 35 40.0	Z	1.0	2.5 (0)	23.0	3.60
							AVG.	3.90
19			11 58 55.0 09.3 S 158.8 E SOLOMON ISLANDS H =033 KM MAG 5.50- CGS					
19	MV	eP	12 11 44.0	Z	1.2	26.1 (0)	88.0	5.33
		e	12 12 22	Z	1.6	35.1 (0)		
19	MN	eP	12 11 54.8	Z	1.2	61.9 (0)	90.0	5.67
		e	12 12 01	Z	1.1	22.9 (0)		
		ePP	12 15 26	Z	1.2	5.9 (0)		
19	WI	eP	12 12 00.0	Z	1.2	57.5 (0)	91.0	5.74
		e	12 12 05	Z	1.2	28.7 (0)		
19	LC	eP	12 12 34.3	Z	1.0	2.5 (0)	99.0	4.87
							AVG.	5.40
19	DH	eP	13 32 17.0	Z	0.3	3.6 (0)	1.5	
		eS	13 32 37	R	0.4	9.7 (0)		
19	WI	eP	14 17 21.8	Z	0.3	0.9 (0)		
19	WI	eL	14 18 42	T	0.6	2.1 (0)		
19	DH	eP	14 37 31.4	Z	0.3	44.1 (0)	1.7	
		eS	14 37 55	T	0.3	61.9 (0)		
18	MV	eP	15 47 44.5	Z	0.2	6.5 (0)	0.5	
		eS	15 47 51	R	0.3	8.0 (0)		
19	DH	eP	16 16 30.0	Z	0.3	3.6 (0)		
19	DH	e	16 16 42	Z	1.0	20.6 (0)		
19	DH	eP	16 20 56.3	Z	0.4	3.5 (0)	1.4	
		eS	16 21 14	R	0.5	32.1 (0)		
19	MN	eP	16 37 03.9	Z	0.4	0.8 (0)		
19	PM	eP	17 19 20.0	Z	0.2	1.6 (0)	0.8	
		eS	17 19 31	R	0.7	23.3 (0)		
19	MN	eP	17 26 59.5	Z	0.3	3.8 (0)	1.2	
		eS	17 27 15	R	0.4	2.7 (0)		
19			17 46 01.7 63.2 N 146.3 W ALASKA H =033 KM MAG 4.40- CGS					
19	MN	eP	17 52 07.6	Z	999.9	99.9 (9)	30.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	LC	eP	17 49 47.4	Z	0.2	6.6 (0)	1.5	
		eS	17 50 07	T	0.3	6.6 (0)		
19	DH	eP	18 09 39.4	Z	0.3	11.0 (0)	1.6	
		eS	18 10 02	R	0.3	33.7 (0)		
19	DH	eP	18 17 45.5	Z	0.3	7.3 (0)	1.5	
		eS	18 18 06	R	0.3	13.5 (0)		
19			18 22 09.6 03.5 S 153.4 E NEW IRELAND REGION H =279 KM MAG 5.10- CGS					
19	MV	eP	18 34 32.5	Z	0.9	3.9 (0)	88.0	4.31
		ePP	18 38 11	Z	1.0	5.1 (0)		
19	MN	eP	18 34 43.4	Z	1.1	30.5 (0)	91.0	5.16
		e	18 35 50	Z	1.0	6.9 (0)		
		e	18 35 56	Z	1.0	6.9 (0)		
		ePP	18 38 30	Z	1.0	5.4 (0)		
		eS	18 44 53	T	1.8	54.0 (0)		
		eS	18 44 53	R	1.2	6.2 (0)		
19	LC	eP	18 35 28.0	Z	1.0	2.5 (0)	100.0	4.60
		ePKKP	18 52 08	Z	1.1	14.1 (0)		
19	PM	eP	18 35 28.2	Z	1.0	3.3 (0)	101.0	4.82
		ePP	18 39 46	Z	1.0	5.0 (0)		
19	SJ	eLR	19 14 40	LR	25	41.0 (1)	108.0	
							AVG.	4.72
19	MV	eP	18 44 03.2	Z	0.3	1.2 (0)	1.5	
		eS	18 44 22	T	0.3	2.9 (0)		
19	MN	eP	18 55 14.1	Z	0.2	3.3 (0)	0.4	
		eS	18 55 30	T	0.4	4.2 (0)		
19	LC	eP	19 42 58.0	Z	0.2	2.4 (0)	2.5	
		eS	19 43 30	T	0.3	4.2 (0)		
19	DH	eP	20 07 19.7	Z	0.3	7.3 (0)	2.0	
		eS	20 07 46	T	0.4	9.9 (0)		
19	MN	eP	20 49 06.2	Z	0.2	1.4 (0)	0.7	
		eS	20 49 16	T	0.3	1.8 (0)		
19	SJ	eP	21 37 10.0	Z	0.8	28.9 (0)		
19	MV	eP	21 45 12.7	Z	0.3	1.2 (0)	1.4	
		eS	21 45 30	T	0.4	3.4 (0)		
19	LC	eP	21 57 40.7	Z	0.3	1.3 (0)	2.0	
		eS	21 58 07	R	0.4	1.2 (0)		
19	DH	eP	22 15 10.0	Z	0.7	10.2 (0)		
19	WI	eP	22 50 16.0	Z	0.4	1.8 (0)	1.5	
		eS	22 50 35	R	0.4	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	WI	eP	22 57 15.0	Z	0.3	4.2 (0)	1.1	
		eS	22 57 29	T	0.4	3.5 (0)		
19	23 01 51.5		31.5 N 140.3 E	SOUTH OF HONSHU, JAPAN				
			H =038 KM MAG	5.00-		CGS		
19	MV	eP	23 13 41.6	Z	1.5	25.0 (0)	77.0	5.00
		eL	23 32 00	LZ	28	19.8 (2)		
		eL	23 33 40	LZ	25	17.8 (2)		
		eL	23 33 40	LR	25	13.6 (2)		
		eL	23 33 40	LT	24	71.8 (1)		
19	WI	eP	23 13 50.0	Z	1.4	22.2 (0)	78.0	4.98
		eP	23 13 50	LZ	17	62.8 (1)		
		eS	23 23 50	LR	16	30.9 (1)		
		ePS	23 24 32	LR	19	47.5 (1)		
		eSS	23 28 38	LR	20	33.0 (1)		
		eLQ	23 34 45	LR	22	64.2 (1)		
		eLR	23 38 05	LZ	25	11.0 (2)		
		eL	23 39 24	LZ	25	12.6 (2)		
		eL	23 39 24	LR	18	34.9 (1)		
		eL	23 39 24	LT	25	10.4 (2)		
19	MN	eP	23 13 54.9	Z	1.0	2.3 (0)	79.0	4.08
		eP	23 13 55	LZ	13	73.9 (1)		
		eLQ	23 35 21	LT	27	46.2 (1)		
		eLR	23 38 23	LZ	25	15.0 (2)		
19	PM	eP	23 14 30.5	Z	1.6	46.4 (0)	86.0	
		eP	23 14 31	LZ	13	74.1 (1)		
		eSKS	23 24 58	LT	21	38.6 (2)		
		eSS	23 30 50	LT	18	14.5 (2)		
		eLR	23 42 10	LZ	33	46.9 (1)		
19	LC	eP	23 14 53.7	Z	1.0	5.0 (0)	90.0	4.66
19	SJ	ePP	23 19 55	LZ	12	84.4 (1)	99.0	
		ePS	23 28 45	LR	22	76.9 (1)		
		ePPS	23 29 35	LR	22	61.9 (1)		
		eSS	23 33 17	LR	20	79.1 (1)		
		eLQ	23 41 45	LR	22	73.2 (1)		
		eLR	23 50 55	LR	24	11.2 (2)		
19	DH	eL	23 51 30	LZ	24	59.0 (1)	100.0	
							AVG.	4.80
19	WI	eP	23 02 36.2	Z	0.2	2.5 (0)	0.6	
		eS	23 02 45	T	0.4	4.2 (0)		
19	WI	eP	23 06 11.6	Z	0.3	9.5 (0)	0.8	
		eS	23 06 23	T	0.4	5.9 (0)		
19	WI	eP	23 10 01.8	Z	0.3	2.8 (0)	0.3	
		eS	23 10 07	R	0.5	5.3 (0)		
20	MN	eP	00 11 33.6	Z	0.3	1.9 (0)	2.9	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	00 12 11	R	0.4	3.6 (0)		
20	00 56 04.1		36.3 N 144.5 E	OFF E. COAST HONSHU, JAPAN				
			H =033 KM MAG	5.10-		CGS		
20	MV	eP	01 07 20.0	Z	1.3	16.0 (0)	71.0	4.89
		eLQ	01 24 43	LT	26	60.7 (1)		
		eLR	01 28 52	LZ	25	37.2 (1)		
20	WI	eP	01 07 29.2	Z	1.3	35.9 (0)	72.0	5.24
		eL	01 25 04	LR	25	21.8 (1)		
20	MN	eP	01 07 35.8	Z	1.3	22.8 (0)	74.0	4.97
		eLQ	01 27 08	LT	28	69.1 (1)		
		eLR	01 30 00	LZ	25	33.1 (1)		
20	CP	eP	01 08 00.5	Z	1.0	11.4 (0)	78.0	4.86
		eL	01 31 50	LZ	25	29.4 (1)		
20	PM	eP	01 08 11.1	Z	1.0	15.1 (0)	80.0	4.84
20	LC	eP	01 08 36.2	Z	1.1	12.3 (0)	85.0	4.95
20	SJ	eLR	01 38 07	LT	24	65.8 (1)	93.0	
							AVG.	4.96
20	MN	eP	01 20 44.4	Z	0.7	2.7 (0)		
20	WI	eP	01 27 51.3	Z	0.2	10.1 (0)	0.1	
		eS	01 27 54	R	0.3	12.5 (0)		
20	CP	eP	01 43 04.0	Z	0.2	2.0 (0)	1.3	
		eS	01 43 22	T	0.2	27.8 (0)		
20	CP	eP	02 19 04.1	Z	0.3	12.8 (0)	0.7	
		eS	02 19 14	T	0.3	99.9 (9)		
20	MV	eP	02 29 23.2	Z	0.3	0.5 (0)	2.9	
		eS	02 29 59	R	0.5	3.9 (0)		
20	MN	eP	02 43 15.8	Z	0.3	1.6 (0)	1.3	
		eS	02 43 32	R	0.3	2.5 (0)		
20	CP	eP	03 15 26.8	Z	0.3	2.5 (0)	0.4	
		eS	03 15 34	R	0.2	5.4 (0)		
20	03 34 18.2		12.5 N 89.2 W	OFF COAST OF EL SALVADOR				
			H =075 KM MAG	3.90-		CGS		
20	SJ	eP	03 38 15.0	Z	1.0	15.8 (0)	18.0	4.17
		eP AS	03 38 29.7	Z	1.0	79.2 (0)		4.87
		eL	03 43 23	LT	25	48.7 (1)		
20	LC	eP	03 39 41.8	Z	0.7	1.2 (0)	25.0	3.52
20	PM	eP	03 40 39.2	Z	0.7	2.5 (0)	32.0	4.10
20	MN	eP	03 41 20.3	Z	0.7	3.5 (0)	36.0	4.37
		eP AS	03 41 34.9	Z	0.9	4.8 (0)		4.40

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePCP	03 43 46	Z	0.7	2.3 (0)		
		e	03 44 01	Z	0.7	2.7 (0)		
20	WI	eP	03 41 32.2	Z	0.6	1.6 (0)	38.0	4.09
		ePCP	03 43 50	Z	0.5	1.0 (0)		
							AS .	4.63
							AVG.	4.05
20	CP	eP	03 39 53.0	Z	0.2	17.7 (0)	0.9	
		eS	03 40 05	R	0.3	99.9 (9)		
20	CP	eP	04 17 22.6	Z	0.3	1.0 (0)	0.6	
		eS	04 17 31	R	0.3	12.1 (0)		
20	CP	eP	04 46 24.7	Z	999.9	99.9 (9)		
20	CP	eP	05 40 59.0	Z	0.2	4.1 (0)	1.2	
		eS	05 41 15	R	0.2	5.4 (0)		
20	MN	eP	05 56 11.7	Z	0.8	4.2 (0)		
20	WI	eP	05 56 20.3	Z	0.7	1.9 (0)		
20	CP	eP	06 34 37.0	Z	0.2	2.7 (0)	1.0	
		eS	06 34 51	T	0.3	3.1 (0)		
20	MN	eP	07 18 41.6	Z	1.0	2.3 (0)		
20	CP	eP	08 00 32.3	Z	0.2	2.7 (0)	0.6	
		eS	08 00 46	R	0.2	4.0 (0)		
20	CP	eP	09 21 02.2	Z	999.9	99.9 (9)		
20	10 23 18.4		07.6 S 74.6 W PERU BRAZIL BORDER H =135 KM MAG 3.90- CGS					
20	12 00 05.0		31.6 N 140.2 E SOUTH OF HONSHU, JAPAN H =033 KM MAG 4.10- CGS					
20	WI	eP	12 12 03.0	Z	0.9	2.0 (0)	78.0	4.15
20	CP	eP	12 07 12.0	Z	0.2	0.6 (0)	2.0	
		eS	12 07 38	R	0.2	3.3 (0)		
20	MN	eP	12 22 32.3	Z	0.3	2.8 (0)	0.2	
		eS	12 22 37	T	0.4	16.1 (0)		
20	WI	eP	12 23 15.8	Z	0.3	0.4 (0)	2.9	
		eS	12 23 52	R	0.4	2.0 (0)		
20	LC	eP	12 25 38.5	Z	0.6	0.5 (0)		
20	MN	eP	12 47 16.9	Z	0.2	17.3 (0)	0.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	12 47 20	T	0.3	16.1 (0)		
20	14 59 42.6		30.2 N 114.1 W GULF OF CALIFORNIA H =014 KM MAG 4.50- CGS					
20	CP	eP	15 00 33.2	Z	0.5	2.1 (0)	3.1	3.43
		e	15 00 42	Z	0.5	28.1 (0)		
		eL	15 05 12	LZ	18	83.5 (1)		
20	LC	eP	15 01 27.5	Z	0.5	3.7 (0)	7.0	4.60
		e	15 01 36	Z	0.5	8.4 (0)		
		eL	15 03 23	R	0.6	13.8 (0)		
20	MN	eP	15 02 02.4	Z	0.5	0.8 (0)	9.0	4.36
		e	15 02 36	Z	1.0	3.1 (0)		
		eL	15 04 18	LT	19	69.7 (1)		
		eL	15 04 32	R	1.0	3.1 (0)		
20	WI	eP	15 02 37.0	Z	0.7	1.3 (0)	11.0	4.39
		eL	15 05 20	LT	18	89.8 (1)		
		eL	15 05 56	T	1.0	3.0 (0)		
20	PM	eP	15 03 02.5	Z	0.5	1.2 (0)	13.0	4.30
		eL	15 06 34	T	0.6	1.3 (0)		
		eL	15 07 05	LR	14	37.0 (1)		
20	SJ	eL	15 07 35	LT	17	22.9 (2)	14.0	
		eL	15 07 46	R	1.2	20.5 (0)		
						AVG.		4.22
20	DH	eP	15 01 56.5	Z	0.4	10.5 (0)	1.9	
		eS	15 02 22	R	0.4	72.8 (0)		
20	DH	eP	17 19 15.2	Z	0.2	4.8 (0)	1.0	
		eS	17 19 39	T	0.3	41.5 (0)		
20	MN	eP	17 27 08.5	Z	0.2	3.0 (0)	1.3	
		eS	17 27 24	T	0.3	2.1 (0)		
20	SJ	eP	17 43 51.2	Z	0.3	12.4 (1)	0.1	
		eS	17 43 55	R	0.4	11.4 (1)		
20	CP	eP	18 07 32.8	Z	0.2	8.2 (0)	0.1	
		eS	18 07 36	R	0.3	12.1 (0)		
20	PM	eP	19 29 25.2	Z	0.2	29.6 (0)	0.3	
		eS	19 29 31	R	0.3	99.9 (9)		
20	19 47 41.3		35.8 N 3.6 W WESTERN MEDITERRANEAN H =054 KM MAG 4.60- CGS					
20	PM	eP	19 59 20.0	Z	1.0	6.7 (0)	75.0	4.52
20	LC	eP	19 59 53.2	Z	0.9	2.8 (0)	81.0	4.19

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	WI	eP	20 00 03.5	Z	0.7	3.3 (0)	82.0	4.41
							AVG.	4.37
20	LC	eP	19 55 55.8	Z	0.2	7.7 (0)	1.4	
		eS	19 56 16	T	0.3	4.5 (0)		
20	MN	eL	20 01 12	LZ	24	12.0 (1)		
20	CP	eP	20 11 15.9	Z	0.2	4.1 (0)	0.1	
		eS	20 11 20	T	0.2	15.3 (0)		
20	PM	eP	20 21 19.4	Z	0.2	5.6 (0)	1.1	
		eS	20 21 34	R	0.3	20.3 (0)		
20	20 42 17.1		02.3 S 77.4 W ECUADOR					
			H =033 KM MAG 4.10- CGS					
20	MN	eP	20 44 15.7	Z	0.3	0.8 (0)	0.7	
		eS	20 44 25	T	0.4	3.5 (0)		
20	CP	eP	20 46 12.2	Z	0.2	4.1 (0)	0.4	
		eS	20 46 19	R	0.3	8.1 (0)		
20	PM	eP	21 07 12.4	Z	0.2	1.6 (0)	1.6	
		eS	21 07 34	T	0.4	5.6 (0)		
20	SJ	eL	21 25 30	LR	29	11.3 (2)		
20	MN	eL	21 34 25	LZ	27	20.8 (1)		
20	MV	eP	21 47 45.1	Z	0.4	1.7 (0)	0.4	
		eS	21 47 52	T	0.4	6.7 (0)		
20	WI	eP	22 25 32.1	Z	0.3	1.4 (0)	3.3	
		e	22 25 36	Z	0.3	4.7 (0)		
		eS	22 26 13	R	0.4	8.0 (0)		
20	22 46 18.1		27.9 S 176.6 W KERMADEC ISLANDS					
			H =041 KM MAG 5.20- CGS					
20	CP	eP	22 58 41.2	Z	1.0	10.0 (0)	83.0	4.87
		eLR	23 25 20	LZ	22	88.8 (1)		
20	MV	eP	22 58 47.6	Z	1.0	13.3 (0)	84.0	5.00
		eLQ	23 20 50	LT	38	23.3 (2)		
		eLR	23 26 34	LZ	21	16.3 (2)		
20	MN	eP	22 58 53.2	Z	1.0	17.4 (0)	86.0	5.05
		eP	22 58 55	LZ	15	28.5 (1)		
		ePP	23 02 11	Z	1.6	10.9 (0)		
		eS	23 09 15	LT	19	99.4 (1)		
		eS	23 09 15	LR	16	10.5 (2)		
		ePS	23 10 33	LT	19	58.1 (1)		
		eSS	23 14 42	LR	21	38.8 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSSS	23 19 17	LT	38	18.7 (2)		
		eLQ	23 21 55	LR	25	86.4 (1)		
		eLR	23 27 00	LZ	23	13.9 (2)		
20	WI	eP	22 59 05.0	Z	1.0	13.3 (0)	88.0	5.10
		eLR	23 27 40	LZ	22	15.3 (2)		
		eL	23 37 05	LZ	17	99.9 (9)		
		eL	23 37 05	LR	18	19.8 (2)		
		eL	23 37 05	LT	17	45.9 (2)		
20	LC	eP	22 59 13.2	Z	1.3	14.4 (0)	90.0	5.00
20	SJ	eP	22 59 30.0	Z	1.0	15.8 (0)	93.0	5.35
		eP	22 59 35	LZ	14	36.8 (1)		
		eSKS	23 10 08	LT	24	11.2 (2)		
		ePS	23 11 48	LT	18	12.0 (2)		
		e	23 16 03	LT	16	57.1 (1)		
		eSSS	23 20 20	LR	21	71.7 (1)		
		eLQ	23 26 00	LR	27	10.0 (2)		
		eLR	23 30 50	LT	23	14.4 (2)		
		eL	23 38 50	LZ	17	99.9 (9)		
		eL	23 38 50	LR	17	99.9 (9)		
		eL	23 38 50	LT	17	42.0 (2)		
20	PM	eP	22 59 38.7	Z	1.0	3.3 (0)	95.0	4.72
		eSKS	23 10 15	LR	16	89.6 (1)		
		ePS	23 12 17	LR	19	57.8 (1)		
		eSS	23 17 00	LR	24	43.0 (1)		
		eLR	23 30 00	LZ	29	35.5 (1)		
20	DH	eLQ	23 37 27	LT	24	82.7 (1)	116.0	
		eLR	23 45 47	LZ	20	11.8 (2)		
		eL	23 50 40	LZ	18	21.4 (2)		
		eL	23 50 40	LR	18	15.7 (2)		
		eL	23 50 40	LT	18	48.7 (1)		
						AVG.		5.01
20	23 15 33.4		52.9 N 168.6 W FOX ALEUTIAN ISLANDS					
			H =033 KM MAG 4.10- CGS					
20	WI	eP	23 22 30.7	Z	0.6	1.1 (0)	36.0	3.90
20	LC	eP	23 24 12.2	Z	0.6	1.0 (0)	48.0	4.04
							AVG.	3.97
20	MN	eP	23 25 29.9	Z	0.4	1.6 (0)	3.2	
		e	23 25 34	Z	0.5	9.5 (0)		
		eS	23 26 10	R	0.5	7.6 (0)		
20	CP	eP	23 27 36.8	Z	0.2	10.2 (0)	0.8	
		eS	23 27 47	T	0.2	99.9 (9)		
20	WI	eP	23 48 29.0	Z	0.3	1.9 (0)	4.2	
		eS	23 49 21	R	0.4	2.8 (0)		
21	MV	eP	00 21 07.2	Z	1.3	9.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	MN	eP	00 21 13.9	Z	1.2	6.5 (0)		
21	WI	eP	00 21 24.8	Z	1.3	9.6 (0)		
21	LC	eP	00 21 32.0	Z	1.2	3.8 (0)		
21	MV	eP	01 09 40.2	Z	0.2	8.8 (0)	0.8	
		eS	01 09 52	R	0.3	13.6 (0)		
21	WI	eP	03 07 02.8	Z	0.2	14.3 (0)	0.1	
		eS	03 07 06	R	0.2	13.3 (0)		
21	03 32 41.0		10.6 N 85.9 W WEST COAST OF COSTA RICO H =082 KM MAG 4.60- CGS					
21	SJ	eP	03 37 14.7	Z	0.9	97.2 (0)	21.0	5.13
		eL	03 45 52	LR	24	82.8 (1)		
		eL	03 47 07	LZ	23	25.2 (1)		
		eL	03 47 07	LR	22	94.7 (1)		
		eL	03 47 07	LT	24	46.3 (1)		
21	LC	eP	03 38 35.2	Z	0.8	1.4 (0)	29.0	3.70
21	DH	eP	03 39 11.4	Z	0.8	12.2 (0)	33.0	4.80
21	MN	eP	03 40 11.2	Z	1.0	25.5 (0)	40.0	4.97
		ePP	03 42 17	Z	0.8	3.0 (0)		
21	WI	eP	03 40 21.4	Z	0.7	3.7 (0)	41.0	4.30
		ePP	03 42 21	Z	0.7	1.2 (0)		
21	PM	eL	03 55 00	LZ	21	16.8 (1)	35.0	
							AVG.	4.58
21	CP	eP	03 46 33.5	Z	0.2	15.0 (0)	0.7	
		eS	03 46 44	T	0.3	52.9 (0)		
21	04 02 55.7		15.2 N 91.9 W GUATEMALA MEXICO BORDER H =218 KM MAG 4.00- CGS					
21	SJ	eP	04 06 05.3	Z	0.7	3.9 (0)	14.0	3.93
		eL	04 10 52	LR	17	24.8 (1)		
21	LC	eP	04 07 30.7	Z	0.8	8.1 (0)	23.0	4.35
		eP AS	04 07 38.7	Z	0.7	10.5 (0)		4.52
21	PM	eP	04 08 32.2	Z	0.8	1.9 (0)	28.0	3.84
21	DH	eP	04 08 51.0	Z	0.8	6.1 (0)	30.0	4.34
21	MN	eP	04 09 10.7	Z	0.9	5.9 (0)	33.0	4.19
		eP AS	04 09 20.0	Z	1.0	8.5 (0)		4.31
		ePCP	04 11 59	Z	0.8	2.5 (0)		
21	WI	eP	04 09 23.3	Z	0.8	5.9 (0)	34.0	4.25
		eP AS	04 09 32.0	Z	0.8	6.6 (0)		4.30
							AS .	4.37
							AVG.	4.15

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	MV	eP	04 14 43.8	Z	0.4	4.6 (0)	0.1	
		eS	04 14 45	R	0.4	15.6 (0)		
21	WI	eP	06 04 20.0	Z	0.9	1.9 (0)		
21	LC	eP	06 06 00.0	Z	0.8	0.7 (0)		
21	CP	eP	06 08 44.7	Z	0.2	2.7 (0)	1.6	
		eS	06 09 06	T	0.2	6.3 (0)		
21	CP	eP	06 19 38.5	Z	0.2	1.3 (0)	0.8	
		eS	06 19 49	T	0.2	14.1 (0)		
21	LC	eL	06 20 35	LZ	25	92.7 (0)		
21	CP	eP	10 11 35.0	Z	0.2	10.2 (0)	0.4	
		eS	10 11 43	T	0.2	31.0 (0)		
21	12 13 13.0		04.9 S 81.3 W NEAR COAST OF PERU H =033 KM MAG 4.10- CGS					
21	LC	eP	12 21 22.8	Z	0.7	0.6 (0)	44.0	3.44
21	MN	eP	12 22 43.8	Z	0.7	1.2 (0)	55.0	4.05
21	WI	eP	12 22 55.1	Z	0.7	2.4 (0)	57.0	4.35
							AVG.	3.95
21	12 18 26.9		23.7 S 66.6 W JUJUY PROVINCE, ARGENTINA H =221 KM MAG 5.10- CGS					
21	SJ	eP	12 28 08.5	Z	0.8	56.0 (0)	59.0	5.30
21	DH	eP	12 28 51.7	Z	0.8	79.4 (0)	66.0	5.49
21	LC	eP	12 29 01.4	Z	1.1	32.4 (0)	68.0	4.96
		ePCP	12 29 28	Z	1.1	12.3 (0)		
		eS	12 37 51	LR	17	19.6 (1)		
21	CP	eP	12 29 37.6	Z	0.8	25.5 (0)	74.0	5.00
21	PM	eP	12 29 40.0	Z	1.1	35.3 (0)	74.0	5.00
21	MN	eP	12 30 05.2	Z	1.2	24.9 (0)	78.0	4.81
		ePP	12 33 06	Z	2.0	26.6 (0)		
21	WI	eP	12 30 13.5	Z	1.0	66.4 (0)	80.0	5.34
		ePP	12 33 20	Z	1.3	7.2 (0)		
21	MV	eP	12 30 16.8	Z	1.3	13.0 (0)	81.0	4.52
							AVG.	5.05
21	13 05 54.*		15.1 S 173.3 W SAMOA ISLANDS REGION H =033 KM MAG 4.30- CGS					
21	WI	eP	13 17 40.7	Z	0.9	1.9 (0)	76.0	4.13
21	LC	eP	13 17 58.4	Z	1.0	2.5 (0)	79.0	4.13
							AVG.	4.13

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	13 44 24.6		47.9 N 130.3 E EASTERN MANCHURIA H =033 KM MAG 4.90- CGS					
21	MV	eP	13 55 50.0	Z	1.0	8.4 (0)	73.0	4.72
		eL	14 17 50	LZ	21	87.2 (0)		
21	WI	eP	13 55 51.8	Z	0.8	4.4 (0)	73.0	4.54
		eLQ	14 16 20	LR	22	27.4 (1)		
		eLR	14 18 25	LZ	22	17.6 (1)		
		eL	14 26 05	LZ	18	69.6 (1)		
		eL	14 26 05	LR	22	53.3 (1)		
		eL	14 26 05	LT	17	90.7 (1)		
21	MN	eP	13 56 02.8	Z	0.9	7.8 (0)	75.0	4.67
		eLQ	14 17 07	LT	37	78.0 (1)		
		eLR	14 20 50	LZ	26	21.1 (1)		
		eL	14 29 55	LZ	19	35.5 (1)		
		eL	14 29 55	LR	18	50.8 (1)		
		eL	14 29 55	LT	19	40.1 (1)		
21	PM	eP	13 56 23.8	Z	1.0	15.1 (0)	79.0	4.91
		eL	14 20 00	LR	35	18.2 (2)		
21	CP	eP	13 56 32.5	Z	1.0	5.7 (0)	80.0	4.42
		eLR	14 24 15	LZ	26	32.5 (1)		
21	LC	eP	13 57 00.0	Z	1.0	5.0 (0)	85.0	4.59
		eL	14 20 00	LT	25	25.0 (1)		
		eL	14 32 50	LZ	23	17.2 (1)		
		eL	14 32 50	LR	20	85.3 (1)		
		eL	14 32 50	LT	18	75.6 (1)		
21	DH	eLR	14 26 20	LZ	26	66.2 (1)	88.0	
21	SJ	eLR	14 30 22	LZ	30	99.0 (1)	93.0	
						AVG.		4.64
21	14 10 11.*		12.7 S 167.4 E SANTA CRUZ ISLANDS H =275 KM MAG 4.60- CGS					
21	14 30 14.8		02.7 N 128.6 E HALMAHERA REGION H =219 KM					
21	15 26 31.0		25.2 N 92.2 E EASTERN INDIA H =056 KM MAG 5.60- CGS					
21	WI	eP'	15 44 56.0	Z	0.7	1.2 (0)	108.0	
		eL	16 24 50	LZ	35	19.8 (1)		
21	MN	eP'	15 44 59.7	Z	0.7	0.8 (0)	111.0	
		ePP	15 45 38	Z	1.0	4.2 (0)		
		eL	16 25 50	LZ	30	17.1 (1)		
21	LC	eL	16 33 32	LZ	25	72.8 (0)	120.0	
		eL	16 38 40	LR	22	26.5 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	16 38 40	LT	22	33.9 (1)		
		eL	16 38 40	LZ	24	40.4 (1)		
21	SJ	eL	16 36 25	LT	27	75.0 (1)	127.0	
		eL	16 42 53	LZ	21	33.8 (1)		
		eL	16 42 53	LR	25	42.3 (1)		
		eL	16 42 53	LT	24	11.9 (2)		
21	CP	eP	15 34 36.2	Z	999.9	99.9 (9)		
21	PM	eP	15 44 12.4	Z	0.3	0.6 (0)		
21	PM	eS	15 45 56	T	0.4	1.7 (0)		
21	PM	eP	16 01 23.5	Z	0.8	1.9 (0)		
21	DH	eP	16 45 58.3	Z	0.2	19.6 (0)	1.8	
		eS	16 46 22	R	0.3	40.4 (0)		
21	CP	eP	17 00 43.3	Z	999.9	99.9 (9)		
21	MN	eP	17 02 16.5	Z	0.7	1.2 (0)		
21	MN	eL	17 03 33	T	0.8	2.7 (0)		
21	DH	eP	17 21 19.4	Z	0.3	11.0 (0)	1.8	
		eS	17 21 43	R	0.3	15.1 (0)		
21	CP	eP	17 28 01.9	Z	0.2	5.4 (0)	0.2	
		eS	17 28 07	R	0.2	14.8 (0)		
21	MN	eP	17 31 56.3	Z	0.3	1.5 (0)	1.5	
		eS	17 32 16	T	0.5	2.8 (0)		
21	17 42 35.9		27.9 S 176.2 W KERMADEC ISLANDS REGION H =033 KM MAG 4.70- CGS					
21	CP	eP	17 55 02.5	Z	0.7	2.8 (0)	83.0	4.51
		eLR	18 21 00	LZ	23	25.3 (1)		
21	MV	eP	17 55 10.0	Z	1.3	9.7 (0)	84.0	4.77
		eL	18 23 00	LZ	21	37.0 (1)		
21	MN	eP	17 55 12.8	Z	1.0	2.5 (0)	85.0	4.30
		eL	18 22 15	LZ	34	45.9 (1)		
		eL	18 29 53	LZ	19	11.5 (2)		
		eL	18 29 53	LR	18	53.2 (1)		
		eL	18 29 53	LT	18	15.5 (2)		
21	WI	eP	17 55 24.3	Z	1.0	2.5 (0)	88.0	4.40
		eL	18 25 37	LZ	25	46.1 (1)		
		eL	18 32 55	LZ	18	10.7 (2)		
		eL	18 32 55	LR	17	53.9 (1)		
		eL	18 32 55	LT	18	94.6 (1)		
21	LC	eP	17 55 32.6	Z	0.8	1.4 (0)	89.0	4.23
21	SJ	eL	18 29 10	LT	22	62.0 (1)	93.0	
		eL	18 34 39	LZ	17	73.6 (1)		
		eL	18 34 39	LR	18	86.3 (1)		
		eL	18 34 39	LT	18	11.7 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	PM	eL	18 30 55	LZ	21	21.6 (1)	95.0	
21	DH	eLR	18 45 47	LZ	22	51.1 (1)	116.0	
							AVG.	4.44
21	DH	eP	18 10 20.5	Z	0.3	3.6 (0)	5.6	
		eS	18 11 24	R	0.3	17.7 (0)		
21	CP	eP	18 27 55.8	Z	0.2	6.8 (0)	0.1	
		eS	18 28 00	R	0.2	17.5 (0)		
21	CP	eP	19 02 09.8	Z	0.2	15.0 (0)	0.4	
		eS	19 02 15	T	0.2	24.0 (0)		
21	DH	eP	19 12 50.0	Z	0.3	3.6 (0)	1.6	
		eS	19 13 12	R	0.5	10.6 (0)		
21	MV	eP	19 22 08.4	Z	0.3	10.8 (0)		
21	LC	eP	19 42 29.2	Z	0.3	1.7 (0)	2.8	
		eS	19 43 06	T	0.5	5.1 (0)		
21	MN	eP	20 10 38.3	Z	0.7	1.2 (0)		
21	MN	eP	20 27 20.5	Z	0.2	1.6 (0)	0.9	
		eS	20 27 32	T	0.3	3.0 (0)		
21	DH	eP	20 47 28.0	Z	0.2	4.9 (0)	1.6	
		eS	20 47 49	R	0.3	15.1 (0)		
21	CP	eP	21 05 56.3	Z	0.2	8.2 (0)	0.2	
		eS	21 06 05	R	0.3	11.1 (0)		

21 21 42 01.0 29.7 S 177.4 W KERMADEC ISLANDS REGION
H =043 KM MAG 4.80- CGS

21	CP	eP	21 54 33.7	Z	1.1	8.8 (0)	85.0	4.77
		eLR	22 21 25	LZ	24	25.3 (1)		
21	MV	eP	21 54 38.8	Z	1.1	8.3 (0)	86.0	4.69
		eLR	22 22 00	LZ	26	31.2 (1)		
21	MN	eP	21 54 46.6	Z	1.4	10.1 (0)	87.0	4.77
		eS	22 05 27	LR	20	26.9 (1)		
		ePS	22 06 28	LT	38	18.5 (2)		
		eSS	22 10 40	LR	38	97.1 (1)		
		eSSS	22 14 05	LT	30	68.3 (1)		
		eL	22 22 10	LZ	24	41.1 (1)		
		eL	22 37 08	LZ	17	12.6 (2)		
		eL	22 37 08	LR	17	34.3 (1)		
		eL	22 37 08	LT	16	14.5 (2)		
21	WI	eP	21 54 57.6	Z	1.3	9.6 (0)	90.0	4.82
		eS	22 05 35	LR	20	38.9 (1)		
		eLQ	22 19 36	LR	20	27.6 (1)		
		eLR	22 23 50	LZ	26	52.5 (1)		
		eL	22 38 55	LZ	17	14.1 (2)		
		eL	22 38 55	LR	17	70.5 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	22 38 55	LT	17	14.8 (2)		
21	LC	eP	21 55 00.0	Z	0.7	0.6 (0)	91.0	4.00
		eS	22 05 40	LR	18	30.4 (1)		
		eSS	22 12 10	LT	19	19.8 (1)		
		eLQ	22 19 30	LR	25	17.1 (1)		
		eLR	22 24 00	LZ	28	18.9 (1)		
		eL	22 33 10	LR	18	47.6 (1)		
		eL	22 33 10	LZ	19	55.6 (1)		
		eL	22 33 10	LT	17	79.2 (1)		
21	SJ	eL	22 26 30	LT	25	88.1 (1)	95.0	
		eL	22 33 32	LT	17	19.8 (2)		
		eL	22 33 32	LR	17	96.7 (1)		
		eL	22 33 32	LZ	18	85.9 (1)		
21	PM	eL	22 38 40	LZ	19	36.3 (1)	97.0	
21	DH	eLR	22 39 38	LZ	25	18.7 (1)	118.0	
							AVG.	4.61
21	MN	eP	22 23 17.7	Z	0.4	0.5 (0)	0.1	
		e	22 23 22	Z	0.5	4.8 (0)		
		eS	22 23 54	R	0.5	3.4 (0)		
21	CP	eP	22 33 49.0	Z	0.2	4.1 (0)	0.1	
		eS	22 33 53	R	0.2	18.9 (0)		
21	CP	eP	22 43 27.0	Z	0.2	6.8 (0)	1.2	
		eS	22 43 43	T	0.2	10.5 (0)		
21	CP	eP	23 26 53.5	Z	0.3	7.1 (0)	1.6	
		eS	23 27 15	R	0.3	40.5 (0)		
21	MN	eP	23 27 40.0	Z	0.3	1.5 (0)	4.5	
		eS	23 28 35	T	0.8	4.9 (0)		
21	CP	eP	23 38 51.0	Z	0.3	1.5 (0)	3.7	
21	MN	eP	23 39 18.3	Z	0.7	1.2 (0)	5.5	
21	MV	eP	23 39 30.0	Z	0.3	1.2 (0)		
21	CP	eS	23 39 36	R	0.3	13.1 (0)	3.7	
21	MN	eS	23 40 19	T	0.8	12.7 (0)	5.5	
21	WI	eP	23 40 22.5	Z	0.3	0.8 (0)	8.0	
21	MN	eL	23 40 23	LR	15	45.3 (1)		
21	MV	eL	23 40 50	T	0.5	4.9 (0)		
21	WI	eS	23 41 53	R	0.7	3.7 (0)	8.0	
21	WI	eL	23 41 53	LT	14	42.9 (1)		
22	LC	eP	01 04 23.1	Z	0.7	1.8 (0)		
22	LC	eP	01 08 48.2	Z	0.7	4.9 (0)		
22	MN	eP	01 10 33.0	Z	0.8	1.4 (0)		
22	SJ	eLQ	01 11 08	LR	24	56.0 (1)		
22	SJ	eLR	01 13 01	LZ	13	10.6 (2)		
22	LC	eLQ	01 13 35	LR	17	99.9 (9)		
22	LC	eLR	01 15 25	LZ	13	75.0 (1)		
22	CP	eP	02 07 27.2	Z	0.3	2.0 (0)	1.0	
		eS	02 07 40	R	0.3	13.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	WI	eP	02 28 15.7	Z	0.2	12.4 (0)	0.1	
		eS	02 28 18	R	0.3	16.6 (0)		
22	04 37 21.7		06.1 S 154.4 E SOLOMON ISLANDS REGION H =064 KM MAG 4.90- CGS					
22	MN	eP	04 50 24.3	Z	1.0	9.1 (0)	91.0	
		eLR	05 19 28	LZ	27	24.8 (1)		
22	WI	eP	04 50 28.0	Z	1.1	6.4 (0)	92.0	4.86
		eLR	05 20 33	LZ	30	39.0 (1)		
22	CP	eP	04 50 29.5	Z	1.0	10.0 (0)	93.0	5.13
		eL	05 22 00	LZ	24	25.3 (1)		
22	MV	eLR	05 18 55	LZ	25	47.7 (1)	89.0	
22	LC	eLR	05 24 00	LZ	29	23.2 (1)	101.0	
		eL	05 29 13	LZ	21	34.6 (1)		
		eL	05 29 13	LR	21	33.3 (1)		
		eL	05 29 13	LT	20	11.3 (1)		
22	SJ	eL	05 27 43	LR	28	49.3 (1)	108.0	
		eL	05 34 55	LZ	20	42.3 (1)		
		eL	05 34 55	LR	20	10.9 (2)		
		eL	05 34 55	LT	20	79.3 (1)		
22	PM	eLR	05 28 00	LZ	22	23.9 (1)	102.0	
22	DH	eL	05 39 45	LZ	25	23.6 (2)	123.0	
						AVG.		5.02
22	CP	eP	06 54 08.3	Z	0.2	2.0 (0)	1.6	
		eS	06 54 29	R	0.2	4.7 (0)		
22	08 35 14.8		41.1 S 90.2 W WEST OF CHILE H =033 KM MAG 4.60- CGS					
22	LC	eP	08 46 54.0	Z	1.0	2.5 (0)	75.0	4.13
		eS	08 56 32	LR	19	13.1 (1)		
		eS	08 56 32	LT	24	19.9 (1)		
		ePS	08 57 27	LT	20	12.2 (1)		
		eSS	09 01 18	LR	20	12.2 (1)		
		eSSS	09 05 00	LR	24	17.8 (1)		
		eLQ	09 07 08	LR	25	95.4 (1)		
		eL	09 08 40	LZ	20	77.2 (0)		
		eL	09 08 40	LR	25	95.4 (1)		
		eL	09 08 40	LT	25	39.7 (1)		
		eLR	09 11 12	LZ	27	49.5 (1)		
22	MN	eP	08 47 37.9	Z	1.0	1.6 (0)	83.0	4.12
22	PM	eP	08 47 40.0	Z	0.9	2.5 (0)	83.0	4.36
		e	08 58 05	LR	19	26.5 (1)		
		eSS	09 03 28	LR	21	22.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	09 10 27	LR	33	15.1 (2)		
22	WI	eP	08 47 52.5	Z	1.0	2.6 (0)	86.0	4.25
		eS	08 58 27	LT	19	15.8 (1)		
		eS	08 58 27	LR	24	21.3 (1)		
		eSS	09 04 03	LT	23	19.4 (1)		
		eLQ	09 11 07	LT	22	21.1 (1)		
		eLR	09 16 50	LZ	30	46.9 (1)		
22	SJ	eL	09 05 07	LR	28	18.0 (2)	69.0	
		eL	09 07 13	LZ	24	30.2 (1)		
		eL	09 07 13	LR	22	11.2 (2)		
		eL	09 07 13	LT	23	51.8 (1)		
22	CP	eLR	09 10 55	LZ	18	29.8 (1)	77.0	
22	MV	eL	09 14 05	LZ	20	16.7 (1)	85.0	
							AVG.	4.21
22	CP	eP	10 11 37.0	Z	0.2	0.6 (0)	2.8	
		eS	10 12 12	R	0.3	2.0 (0)		
22	MV	eP	10 55 12.9	Z	0.8	5.7 (0)		
22	12 24 56.5		15.1 S 172.7 W TONGA ISLANDS H =050 KM MAG 4.20- CGS					
22	MN	eP	12 36 28.5	Z	0.9	1.9 (0)	74.0	4.02
		eLR	12 58 57	LZ	20	82.6 (0)		
22	WI	eP	12 36 40.0	Z	1.0	2.6 (0)	76.0	4.16
22	LC	eP	12 36 57.6	Z	0.8	2.2 (0)	79.0	4.14
22	PM	eP	12 37 22.2	Z	0.7	2.5 (0)	84.0	4.40
							AVG.	4.18
22	CP	eP	15 58 56.8	Z	0.2	3.4 (0)	0.7	
		eS	15 59 07	R	0.3	8.1 (0)		
22	16 12 14.0		06.0 S 113.1 E JAVA SEA H =595 KM MAG 5.10- CGS					
22	MV	eP'	16 30 02.3	Z	0.8	5.7 (0)	121.0	
22	MN	eP'	16 30 07.8	Z	0.9	4.4 (0)	123.0	
22	CP	eP'	16 30 14.5	Z	1.0	8.5 (0)	127.0	
22	PM	eP'	16 30 22.1	Z	0.9	5.1 (0)	131.0	
22	LC	eP'	16 30 30.0	Z	0.9	3.8 (0)	135.0	
22	DH	eP'	16 30 41.6	Z	0.7	70.0 (0)	143.0	
22	SJ	eP'	16 30 44.0	Z	0.7	13.7 (1)	143.0	
22	16 21 41.0		30.4 S 67.8 W SAN JUAN PROV., ARGENTINA H =202 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	LC	eP	16 32 47.0	Z	1.0	6.2 (0)	72.0	4.29
22	CP	eP	16 36 02.0	Z	0.2	1.3 (0)	0.6	
		eS	16 36 11	T	0.2	6.3 (0)		
22	CP	eP	17 19 36.3	Z	0.3	32.6 (0)	1.5	
		eS	17 19 56	R	0.3	30.4 (0)		
22	PM	eP	17 48 11.1	Z	0.3	4.8 (0)	3.0	
		eS	17 48 49	R	0.4	8.3 (0)		
22	MN	eP	17 53 17.6	Z	0.3	2.9 (0)	1.2	
		eS	17 53 35	T	0.3	4.2 (0)		
22	PM	eP	18 20 11.0	Z	0.3	1.8 (0)	0.4	
		eS	18 20 17	T	0.3	1.7 (0)		
22	DH	eP	19 18 18.6	Z	0.3	7.1 (0)	1.7	
		eS	19 18 42	R	0.3	7.6 (0)		
22	CP	eP	19 33 06.5	Z	0.3	2.0 (0)	0.1	
		eS	19 33 10	R	0.3	4.0 (0)		
22	LC	eP	19 49 32.8	Z	0.3	19.6 (0)	1.4	
		eS	19 49 51	R	0.3	11.1 (0)		
22	CP	eP	20 13 34.3	Z	0.2	2.0 (0)	2.1	
		eS	20 14 02	R	0.3	16.2 (0)		
22	MN	eP	20 24 19.7	Z	0.7	2.8 (0)		
22	WI	eP	20 24 24.0	Z	1.0	1.3 (0)		
22	MN	e	20 24 41	Z	1.2	6.3 (0)		
22	WI	e	20 24 46	Z	1.2	8.0 (0)		
22	20 51 56.8		52.9 N 121.3 E NORTHWESTERN MANCHURIA H =033 KM MAG 4.50- CGS					
22	WI	eP	21 03 24.3	Z	0.7	1.9 (0)	73.0	4.24
		eLR	21 30 15	LT	34	37.8 (1)		
22	MN	eP	21 03 41.3	Z	0.7	0.8 (0)	76.0	3.87
		eL	21 30 40	LR	25	28.0 (1)		
22	PM	eP	21 03 53.8	Z	0.9	2.5 (0)	78.0	4.26
		eLR	21 28 47	LR	30	51.8 (1)		
22	LC	eLQ	21 32 07	LT	35	43.0 (1)	85.0	
		eLR	21 36 38	LZ	26	21.0 (1)		
		eL	21 39 44	LZ	20	10.2 (1)		
		eL	21 39 44	LR	23	40.8 (1)		
		eL	21 39 44	LT	22	38.2 (1)		
22	SJ	eL	21 37 50	LT	32	94.5 (1)	93.0	
		eL	21 42 35	LT	25	22.7 (2)		
		eL	21 42 35	LR	25	11.5 (2)		
		eL	21 42 35	LZ	24	28.5 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.12
22	DH	eP	21 06 37.5	Z	0.2	4.7 (0)	1.6	
		eS	21 06 59	T	0.3	14.0 (0)		
22	21 27 58.4		30.1 S 177.2 W KERMADEC ISLANDS REGION H =033 KM MAG 4.40- CGS					
22	MV	eP	21 40 40.7	Z	0.6	1.3 (0)	87.0	4.28
22	MN	eP	21 40 45.5	Z	1.0	3.3 (0)	88.0	4.52
22	WI	eP	21 40 54.5	Z	1.0	2.6 (0)	90.0	4.38
		eL	22 13 10	LT	19	14.1 (1)		
							AVG.	4.39
22	MN	eP	21 28 51.8	Z	0.8	1.4 (0)		
22	LC	eP	22 09 55.8	Z	0.3	0.4 (0)	2.8	
		eS	22 10 31	T	0.5	0.9 (0)		
22	PM	eP	22 13 00.5	Z	0.2	1.6 (0)	1.6	
		e	22 13 02	Z	0.4	8.1 (0)		
		eS	22 13 21	T	0.3	3.5 (0)		
22	LC	eP	23 07 20.0	Z	0.3	0.4 (0)		
22	LC	eL	23 08 34	T	0.4	2.1 (0)		
23	LC	eP	00 38 12.3	Z	0.2	0.5 (0)	2.9	
		eS	00 38 49	R	0.3	3.5 (0)		
23	CP	eP	02 31 34.0	Z	0.2	3.4 (0)	0.9	
		eS	02 31 46	R	0.2	33.5 (0)		
23	03 49 33.9		29.6 S 177.9 W KERMADEC ISLANDS REGION H =055 KM MAG 5.00- CGS					
23	CP	eP	04 02 03.0	Z	0.8	6.7 (0)	85.0	4.76
		eP	04 02 08	LZ	16	33.4 (1)		
		eSS	04 17 00	LR	27	14.4 (2)		
		eSSS	04 21 20	LR	29	12.6 (2)		
		eLR	04 28 00	LZ	25	12.3 (2)		
23	MV	eP	04 02 04.8	Z	0.7	1.6 (0)	86.0	4.15
		eP	04 02 05	LZ	18	23.7 (1)		
		eS	04 12 43	LT	20	57.0 (1)		
		eSS	04 18 27	LR	22	18.1 (1)		
		eLQ	04 25 00	LR	26	20.7 (1)		
		eLR	04 28 45	LZ	27	13.7 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	04 32 23	LZ	22	94.3 (1)		
		eL	04 32 23	LT	22	87.2 (1)		
		eL	04 32 23	LR	23	12.0 (1)		
23	MN	eP	04 02 19.2	Z	0.8	4.4 (0)	88.0	4.67
		eS	04 12 10	LR	26	26.9 (1)		
		eSS	04 20 10	LR	22	30.2 (1)		
		eLQ	04 25 55	LR	31	79.3 (1)		
		eLR	04 29 20	LZ	28	14.4 (2)		
		eL	04 40 12	LZ	18	10.2 (2)		
		eL	04 40 12	LR	18	37.0 (1)		
		eL	04 40 12	LT	18	11.0 (2)		
23	WI	eP	04 02 36.2	Z	1.2	18.7 (0)	90.0	5.13
		ePS	04 14 08	LT	20	33.0 (1)		
		ePPS	04 15 01	LT	22	46.0 (1)		
		eSS	04 19 33	LT	22	37.8 (1)		
		eSSS	04 23 23	LT	23	29.5 (1)		
		eLQ	04 27 28	LR	35	92.4 (1)		
		eLR	04 30 53	LZ	26	12.6 (2)		
		eL	04 32 30	LZ	25	12.2 (2)		
		eL	04 32 30	LR	25	60.9 (1)		
		eL	04 32 30	LT	24	94.9 (1)		
23	LC	eP	04 02 36.6	Z	1.1	6.1 (0)	91.0	4.79
		eP	04 02 38	LZ	17	20.9 (1)		
		eS	04 13 07	LT	22	51.8 (1)		
		eSP	04 14 45	LZ	21	39.6 (1)		
		eSS	04 19 50	LT	23	29.2 (1)		
		eSSS	04 23 23	LT	29	30.8 (1)		
		eLQ	04 27 06	LR	29	36.2 (1)		
		eLR	04 31 17	LZ	26	54.8 (1)		
		eL	04 35 38	LZ	21	61.7 (1)		
		eL	04 35 38	LR	24	27.4 (1)		
		eL	04 35 38	LT	21	49.1 (1)		
23	SJ	eP	04 03 10.3	Z	0.8	4.8 (0)	95.0	4.97
		eP	04 03 10	LZ	19	17.9 (1)		
		ePS	04 16 45	LR	28	90.5 (1)		
		eSS	04 20 40	LR	32	47.0 (1)		
		eLQ	04 26 50	LR	25	51.3 (1)		
		eLR	04 33 37	LZ	28	83.3 (1)		
		eL	04 35 50	LZ	23	69.3 (1)		
		eL	04 35 50	LR	22	79.2 (1)		
		eL	04 35 50	LT	22	20.7 (2)		
23	PM	eS	04 13 37	LR	22	50.3 (1)	97.0	
		eSP	04 15 40	LZ	23	30.2 (1)		
		eSS	04 21 18	LR	22	32.6 (1)		
		eSSS	04 24 50	LR	33	48.3 (1)		
		eLQ	04 28 15	LR	25	30.0 (1)		
		eLR	04 34 50	LZ	30	79.2 (1)		
23	DH	eL	04 45 40	LZ	28	29.5 (1)	118.0	
						AVG.		4.75
23	CP	eP	04 18 10.0	Z	0.2	2.7 (0)	4.2	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	04 19 00	R	0.2	9.3 (0)		
23	LC	eL	06 01 33	LZ	22	69.1 (0)		
23	MN	eP	07 37 51.4	Z	0.2	1.5 (0)	0.1	
		eS	07 37 54	T	0.3	10.1 (0)		
23	LC	eP	07 54 07.6	Z	0.3	0.8 (0)	5.8	
		e	07 54 11	Z	0.4	4.3 (0)		
23	PM	eP	07 54 17.5	Z	0.2	1.6 (0)	5.4	
23	LC	eS	07 55 16	R	0.5	7.8 (0)	5.8	
23	PM	eS	07 55 22	R	0.5	9.7 (0)	5.4	
23	08 53 09.6	06.0 S 146.6 E NEW GUINEA H =061 KM MAG 5.30- CGS						
23	MV	eP	09 06 29.6	Z	1.1	12.1 (0)	95.0	5.24
		ePP	09 10 20	Z	1.0	3.2 (0)		
		eLR	09 36 50	LZ	28	39.3 (1)		
23	MN	eP	09 06 41.2	Z	1.0	4.9 (0)	98.0	5.07
		ePP	09 10 32	Z	1.2	3.8 (0)		
		eL	09 38 12	LZ	30	35.3 (1)		
23	WI	eP	09 06 50.0	Z	1.0	4.8 (0)	98.0	5.06
		ePP	09 10 49	Z	1.2	5.6 (0)		
		eL	09 39 23	LZ	28	29.1 (1)		
23	SJ	eP'	09 11 25	LZ	23	29.2 (1)	115.0	
		eSKKS	09 19 38	LR	26	31.8 (1)		
		ePKKP	09 22 30	LR	30	34.3 (1)		
		eL	09 41 42	LR	23	44.6 (1)		
23	LC	ePP	09 11 48	Z	1.1	3.0 (0)	107.0	
		ePKKP	09 23 03	Z	0.9	3.8 (0)		
		eLR	09 42 55	LZ	27	18.6 (1)		
		eL	09 47 34	LZ	22	28.9 (1)		
		eL	09 47 34	LR	23	27.4 (1)		
		eL	09 47 34	LT	20	95.8 (0)		
23	PM	eL	09 33 42	LZ	27	21.5 (1)	107.0	
23	CP	eL	09 38 50	LZ	29	53.6 (1)	99.0	
						AVG.		5.12
23	09 03 49.0	37.7 N 141.7 E NEAR EAST HONSHU, JAPAN H =039 KM MAG 4.50- CGS						
23	09 33 53.2	45.6 N 14.9 E YUGOSLAVIA H =033 KM MAG 4.30- CGS						
23	10 51 48.8	09.0 S 113.1 E OFF SOUTH COAST OF JAVA H =157 KM						

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	SJ	eP'1	11 11 15.0	Z	0.8	19.2 (0)	145.0	
23	DH	eP'1	11 11 16.1	Z	0.7	15.3 (0)	146.0	
23	11 07 42.*		23.0 S 66.7 W JUJUY PROVINCE, ARGENTINA H =274 KM MAG 4.10- CGS					
23	LC	eP	11 18 07.0	Z	0.9	1.9 (0)	67.0	3.82
23	MN	eP	11 19 10.1	Z	1.0	2.4 (0)	78.0	3.89
23	WI	eP	11 19 24.6	Z	1.0	6.0 (0)	79.0	4.35
							AVG.	4.02
23	12 05 19.*		21.0 N 108.2 W OFF COAST CENTRAL MEXICO H =033 KM MAG 3.90- CGS					
23	LC	eP	12 08 01.3	Z	0.9	1.9 (0)	10.0	4.39
		eL	12 10 40	LR	18	13.3 (2)		
23	MN	eP	12 09 41.3	Z	0.9	1.2 (0)	19.0	3.18
		eL	12 13 43	LR	14	19.1 (1)		
		eL	12 15 42	LZ	28	21.9 (1)		
23	SJ	eL	12 10 33	LR	20	25.0 (2)	11.0	
23	CP	eL	12 12 50	LZ	23	82.7 (1)	13.0	
23	PM	eL	12 14 00	LR	25	27.5 (1)	20.0	
		eL	12 15 35	LR	16	13.4 (2)		
23	WI	eL	12 14 33	LR	17	27.5 (1)	22.0	
23	MV	eL	12 16 38	LZ	23	17.9 (1)	21.0	
							AVG.	3.79
23	CP	eP	13 10 38.8	Z	0.2	2.0 (0)	0.3	
		eS	13 10 44	R	0.2	10.7 (0)		
23	13 11 28.6		52.1 N 131.3 W QUEEN CHARLOTTE IS. REGION H =033 KM MAG 3.90- CGS					
23	WI	eP	13 14 52.8	Z	0.9	2.8 (0)	14.0	3.89
		eL	13 18 43	LZ	22	13.3 (1)		
23	MN	eP	13 15 14.8	Z	0.8	1.9 (0)	17.0	3.32
		eL	13 20 00	LZ	23	89.0 (0)		
23	PM	eP	13 16 08.0	Z	1.0	8.4 (0)	22.0	4.09
23	CP	eP	13 16 21.8	Z	0.9	4.3 (0)	23.0	3.92
23	LC	eP	13 17 06.5	Z	0.8	1.4 (0)	27.0	3.70
		eL	13 25 20	LZ	27	93.1 (0)		
							AVG.	3.78
23	DH	eP	15 44 41.6	Z	0.2	14.6 (0)	1.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	15 45 07	R	0.2	84.3 (0)		
23	MN	eP	16 02 52.7	Z	0.2	1.5 (0)	0.9	
		eS	16 03 05	T	0.3	1.3 (0)		
23	MN	eP	17 11 04.3	Z	0.8	1.9 (0)		
23	CP	eP	17 54 24.7	Z	0.2	7.4 (0)	1.4	
		eS	17 54 39	T	0.3	13.0 (0)		
23	18 27 11.8		12.3 N 140.7 E MARIANA ISLANDS REGION H =042 KM MAG 4.90- CGS					
23	MN	eP	18 40 13.1	Z	1.1	5.1 (0)	91.0	4.72
23	WI	eP	18 40 15.7	Z	1.2	7.4 (0)	91.0	4.85
23	LC	eL	19 00 40	LZ	14	45.7 (0)	102.0	
							AVG.	4.79
23	CP	eP	19 41 06.0	Z	0.2	10.8 (0)	0.3	
		eS	19 41 11	R	0.4	99.9 (9)		
23	CP	eP	19 55 49.3	Z	0.3	8.1 (0)	2.5	
23	MN	eP	19 56 19.7	Z	0.5	1.5 (0)	4.3	
23	CP	eS	19 56 20	T	0.5	15.9 (0)	2.5	
23	MN	eS	19 57 11	T	0.7	2.2 (0)	4.3	
23	MN	eP	20 44 34.3	Z	0.3	2.0 (0)	0.1	
		eS	20 44 38	T	0.3	8.4 (0)		
23	MN	eP	20 49 37.3	Z	0.3	0.5 (0)	3.5	
		eS	20 50 20	T	0.5	1.4 (0)		
23	CP	eP	20 57 07.9	Z	0.2	2.0 (0)	1.7	
		e	20 58 03	Z	0.3	5.6 (0)		
		eS	20 58 30	R	0.4	12.1 (0)		
23	LC	eP	21 00 28.1	Z	0.3	0.4 (0)	5.1	
		e	21 01 11	Z	0.3	9.3 (0)		
		eS	21 01 30	T	0.5	16.6 (0)		
23	CP	eP	22 22 47.4	Z	0.2	9.5 (0)	1.2	
		eS	22 23 03	R	0.2	16.0 (0)		
24	01 21 03.5		15.3 S 69.4 W PERU BOLIVIA BORDER H =179 KM MAG 4.00- CGS					
24	WI	eP	01 32 08.4	Z	0.7	2.4 (0)	72.0	4.06

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	LC	eP	02 09 06.7	Z	0.3	0.4 (0)		
24	LC	eL	02 10 39	R	0.6	2.0 (0)		
24	MN	eP	02 51 27.3	Z	0.2	0.8 (0)	1.1	
		eS	02 51 42	R	0.2	2.6 (0)		
24	02 59 17.4		10.6 S 163.3 E	SOLOMON ISLANDS				
			H =058 KM MAG	4.70-	CGS			
24	MV	eP	03 11 51.0	Z	1.0	6.9 (0)	86.0	4.62
		eP AS	03 12 00.5	Z	0.8	6.1 (0)		4.67
24	MN	eP	03 12 02.6	Z	0.9	4.5 (0)	88.0	4.63
		eP AS	03 12 12.6	Z	1.0	7.6 (0)		4.81
		eL	03 40 01	LZ	21	68.1 (0)		
24	WI	eP	03 12 07.6	Z	0.9	3.7 (0)	89.0	4.56
		eP AS	03 12 18.2	Z	1.1	6.0 (0)		4.68
							AS .	4.72
							AVG.	4.60
24	04 26 37.9		59.5 N 151.7 W	COOK INLET				
			H =052 KM MAG	5.70-	CGS			
24	WI	eP	04 32 25.5	Z	1.2	98.7 (0)	28.0	5.41
		eP	04 32 26	LZ	19	27.9 (2)		
		eS	04 37 23	R	3.6	13.9 (2)		
		eS	04 37 23	T	1.7	15.1 (1)		
		eSS	04 38 44	R	3.3	10.3 (2)		
		ePCS	04 39 20	T	4.8	34.4 (2)		
		eL	04 41 50	R	13.0			
24	MV	eP	04 32 26.5	Z	1.2	66.7 (0)	28.0	5.24
		eP	04 32 28	LZ	17	37.6 (2)		
		ePP	04 33 11	Z	1.8	39.6 (1)		
		e	04 34 06	Z	2.2	59.3 (1)		
		e	04 34 10	LZ	24	99.9 (9)		
		ePCP	04 35 46	Z	0.8	25.6 (0)		
		eS	04 37 14	R	2.2	28.9 (1)		
		eS	04 37 14	T	1.5	49.3 (0)		
		eL	04 40 20	T	15.0			
24	MN	eP	04 32 44.6	Z	1.1	68.4 (0)	30.0	5.34
		eP	04 32 46	LZ	20	99.9 (9)		
		eS	04 37 56	R	3.8	16.1 (2)		
		eS	04 37 56	T	1.7	18.6 (1)		
		eSS	04 38 32	R	2.6	32.6 (1)		
		ePCS	04 39 18	T	5.0	21.5 (2)		
		eL	04 42 41	R	16.0			
24	PM	eP	04 33 17.5	Z	1.4	80.4 (0)	34.0	5.40
		eP	04 33 18	LZ	17	16.7 (2)		
		e	04 34 09	Z	1.7	61.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	04 34 31	Z	1.7	34.4 (1)		
		ePP	04 34 34	LZ	18	18.6 (2)		
		ePPP	04 35 03	Z	1.4	16.4 (1)		
		ePPP	04 35 05	LZ	18	18.6 (2)		
		eS	04 38 42	LR	999.9	99.9 (9)		
		eS	04 38 42	LT	999.9	99.9 (9)		
		eS	04 38 45	T	2.6	56.3 (1)		
		eSCP	04 39 40	Z	2.5	57.0 (1)		
		ePCS	04 39 45	T	2.6	60.8 (1)		
		eL	04 44 09	R	13.0			
24	LC	eP	04 34 12.2	Z	1.4	10.2 (1)	40.0	5.37
		eP	04 34 13	LZ	19	92.7 (1)		
		ePP	04 35 52	Z	3.9	30.9 (2)		
		ePP	04 35 55	LZ	19	99.9 (9)		
		ePPP	04 36 12	Z	2.5	60.4 (1)		
		eS	04 40 15	LR	999.9	99.9 (9)		
		eS	04 40 15	LT	999.9	99.9 (9)		
		e	04 40 34	R	1.7	62.5 (0)		
		eL	04 46 20	T	19.0			
24	SJ	eP	04 35 17.3	Z	1.2	13.5 (1)	48.0	5.79
		eP	04 35 19	LZ	13	99.9 (9)		
		e	04 36 03	LZ	17	40.5 (2)		
		ePP	04 37 08	LZ	13	61.0 (2)		
		ePP	04 37 10	Z	1.4	26.6 (1)		
		ePPP	04 38 00	Z	1.7	33.2 (1)		
		ePPP	04 38 00	LZ	16	37.8 (2)		
		e	04 39 50	LR	23	20.9 (2)		
		ePCS	04 40 24	T	2.4	91.5 (1)		
		eS	04 42 06	T	3.5	31.8 (2)		
		eS	04 42 06	R	1.8	89.1 (0)		
		eS	04 42 06	LT	999.9	99.9 (9)		
		eS	04 42 06	LR	999.9	99.9 (9)		
		eL	04 53 18	R	8.0	18.1 (3)		
24	DH	eP	04 35 17.5	Z	1.3	45.5 (1)	49.0	6.29
		eP	04 35 18	LZ	19	24.2 (2)		
		ePP	04 37 16	Z	1.7	51.4 (1)		
		ePP	04 37 20	LZ	22	25.8 (2)		
		ePPP	04 38 18	Z	1.4	19.5 (1)		
		eS	04 42 20	R	2.2	30.9 (1)		
		eS	04 42 20	T	1.6	66.5 (0)		
		eS	04 42 25	LT	999.9	99.9 (9)		
		eS	04 42 25	LR	15	92.7 (2)		
		eL	04 52 18	R	4.5	13.8 (3)		
		eSS	04 55 00	LT	999.9	99.9 (9)		
							AVG.	5.55
24	05 43 48.1		59.4 N 151.5 W	COOK INLET, ALASKA				
			H =057 KM MAG	4.70-	CGS			
24	MV	eP	05 49 33.2	Z	1.0	3.4 (0)	28.0	4.02

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	WI	eP	05 49 34.0	Z	0.8	9.4 (0)	28.0	4.56
24	MN	eP	05 49 53.0	Z	0.8	8.0 (0)	30.0	4.54
24	LC	eP	05 51 20.7	Z	0.9	3.9 (0)	40.0	4.15
24	DH	eP	05 52 26.3	Z	0.9	15.8 (0)	48.0	4.97
							AVG.	4.45
24	MN	eP	06 00 54.8	Z	0.7	0.8 (0)		
24	06 19 07.4		59.2 N 152.0 W COOK INLET, ALASKA					
			H =033 KM MAG 3.90- CGS					
24	06 50 42.9		59.3 N 152.7 W COOK INLET, ALASKA					
			H =040 KM MAG 3.90- CGS					
24	MN	eL	07 23 59	LZ	22	95.1 (1)		
24	WI	eL	07 31 05	LZ	21	57.0 (1)		
24	10 17 02.5		52.8 N 131.9 W QUEEN CHARLOTTE IS. REGION					
			H =038 KM MAG 3.90- CGS					
24	WI	eP	10 20 38.6	Z	1.0	4.9 (0)	15.0	3.87
24	MV	eP	10 20 46.3	Z	1.0	3.4 (0)	16.0	3.47
24	MN	eP	10 21 05.0	Z	1.0	1.7 (0)	18.0	3.17
24	PM	eP	10 21 47.1	Z	0.7	1.6 (0)	22.0	3.54
24	LC	eP	10 22 44.8	Z	0.8	1.5 (0)	27.0	3.69
							AVG.	3.55
24	MN	eP	11 55 21.1	Z	0.7	2.1 (0)		
24	WI	eP	11 55 31.5	Z	0.6	1.5 (0)		
24	WI	eP	12 41 40.0	Z	1.0	3.7 (0)		
24	MN	eP	12 41 42.6	Z	1.0	2.5 (0)		
24	13 18 08.2		25.5 S 175.6 W TONGA ISLANDS REGION					
			H =238 KM MAG 4.60- CGS					
24	MV	eP	13 30 02.6	Z	1.3	13.3 (0)	82.0	4.54
		eLR	13 55 00	LZ	27	30.4 (1)		
24	MN	eP	13 30 09.4	Z	1.5	32.6 (0)	83.0	4.87
		e	13 30 23	Z	1.5	30.1 (0)		
		eLQ	13 52 03	LR	24	23.8 (1)		
		eLR	13 56 01	LZ	25	59.4 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	WI	eP	13 30 21.2	Z	1.3	16.6 (0)	86.0	4.70
		e	13 30 34	Z	1.2	17.0 (0)		
		eS	13 40 50	LR	20	21.8 (1)		
		eS	13 40 50	LT	22	17.8 (1)		
		eSS	13 46 40	LT	20	19.5 (1)		
		eSSS	13 50 07	LT	20	14.6 (1)		
		eLQ	13 53 00	LR	30	29.1 (1)		
		eLR	13 56 53	LZ	24	25.2 (1)		
		eL	14 02 00	LZ	18	55.7 (1)		
		eL	14 02 00	LR	20	56.1 (1)		
		eL	14 02 00	LT	19	45.7 (1)		
24	LC	eP	13 30 30.0	Z	1.4	21.2 (0)	87.0	4.81
		e	13 30 43	Z	1.2	21.5 (0)		
		ePS	13 42 10	LR	20	97.3 (0)		
		eSS	13 47 03	LR	20	74.1 (0)		
		eLQ	13 53 45	LR	29	22.4 (1)		
		eLR	13 58 03	LZ	25	29.2 (1)		
24	PM	eP	13 30 55.0	Z	1.2	5.1 (0)	93.0	4.49
		eL	14 00 20	LZ	23	22.9 (1)		
24	SJ	eLR	14 00 30	LZ	21	28.1 (1)	91.0	
24	DH	eLR	14 14 40	LZ	24	29.7 (1)	114.0	
							AVG.	4.68
24	14 18 29.6		59.0 N 136.9 W SOUTHEASTERN ALASKA					
			H =033 KM MAG 3.90- CGS					
24	WI	eP	14 23 20.5	Z	1.0	3.7 (0)	22.0	3.73
		eL	14 29 18	LT	22	45.4 (1)		
24	MV	eP	14 23 24.2	Z	1.1	4.2 (0)	22.0	3.75
24	MN	eP	14 23 42.7	Z	0.8	2.0 (0)	24.0	3.66
24	PM	eP	14 24 10.0	Z	1.0	3.3 (0)	27.0	3.96
24	LC	eP	14 25 08.0	Z	1.0	2.5 (0)	33.0	4.07
							AVG.	3.83
24	15 01 44.2		15.5 S 177.5 W FIJI ISLANDS					
			H =412 KM MAG 5.00- CGS					
24	MV	eP	15 12 46.5	Z	0.8	20.5 (0)	76.0	4.88
24	MN	eP	15 12 56.8	Z	1.0	56.3 (0)	77.0	5.21
		epP	15 14 35	Z	1.4	8.1 (0)		
24	WI	eP	15 13 06.3	Z	1.0	48.1 (0)	79.0	5.14
		ePP	15 16 11	Z	1.2	9.4 (0)		
24	LC	eP	15 13 25.8	Z	1.0	34.3 (0)	83.0	5.01
24	PM	eP	15 13 46.8	Z	1.3	12.9 (0)	87.0	4.58
24	SJ	eP	15 13 52.2	Z	1.0	23.9 (0)	88.0	4.96
							AVG.	4.96

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	DH	eP	15 14 58.6	Z	0.2	4.8 (0)		
24	DH	eL	15 16 24	R	0.3	16.5 (0)		
24	DH	eP	16 02 16.5	Z	0.3	3.6 (0)	0.9	
		eS	16 02 28	R	0.4	9.6 (0)		
24	MN	eP	16 03 47.4	Z	0.9	1.9 (0)		
24	WI	eP	16 03 57.6	Z	0.9	1.8 (0)		
24	LC	eP	16 04 25.2	Z	1.0	3.8 (0)		
24	16 17 15.4		52.3 N 171.2 W FOX ALEUTIAN IS. REGION H =033 KM MAG 5.40- CGS					
24	MV	eP	16 24 18.4	Z	0.8	8.2 (0)	36.0	4.64
		eP	16 24 20	LZ	22	35.2 (1)		
		ePCP	16 26 42	Z	0.9	6.6 (0)		
		ePCP	16 26 45	LZ	20	23.6 (1)		
		eS	16 30 00	LT	21	80.6 (1)		
		eS	16 30 00	LR	27	17.2 (2)		
		eSCP	16 30 25	Z	1.1	23.5 (0)		
		eLQ	16 32 40	LT	31	99.9 (9)		
		eLR	16 34 12	LZ	27	99.9 (9)		
		eL	16 35 15	LZ	22	99.9 (9)		
		eL	16 35 15	LR	21	31.7 (2)		
		eL	16 35 15	LT	21	23.1 (2)		
24	WI	eP	16 24 28.5	Z	1.4	44.0 (0)	38.0	5.06
		eP	16 24 30	LZ	22	34.8 (1)		
		ePP	16 25 56	Z	1.1	12.1 (0)		
		ePP	16 26 00	LZ	20	22.2 (1)		
		eS	16 30 19	LT	34	24.9 (2)		
		eS	16 30 19	LR	26	15.9 (2)		
		eSCP	16 30 30	Z	1.1	30.4 (0)		
		eSS	16 32 40	LT	18	45.3 (2)		
		eL	16 34 30	LZ	999.9	99.9 (9)		
24	MN	eP	16 24 40.6	Z	1.5	37.6 (0)	39.0	4.89
		eP	16 24 46	LZ	21	39.5 (1)		
		ePP	16 26 20	Z	2.0	47.9 (0)		
		ePP	16 26 21	LZ	15	49.1 (1)		
		ePCP	16 26 54	Z	1.0	10.2 (0)		
		eSCP	16 30 35	Z	1.3	26.2 (0)		
		e	16 30 38	LR	31	99.9 (9)		
		ePCS	16 30 52	T	2.0	44.2 (0)		
		eSS	16 33 11	LR	19	11.7 (2)		
		e	16 33 23	Z	0.6	1.0 (0)		
		eSCS	16 34 49	R	1.8	21.8 (0)		
		eLR	16 35 26	LZ	999.9	99.9 (9)		
24	PM	eP	16 25 28.6	Z	1.1	20.8 (0)	45.0	4.91
		eP	16 25 30	LZ	16	51.8 (1)		
		ePPP	16 28 00	LZ	18	24.2 (1)		
		eSCP	16 30 59	Z	0.9	5.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	16 32 00	LR	22	19.1 (2)		
		eS	16 32 00	LT	20	17.2 (2)		
		e	16 35 20	LR	29	17.6 (2)		
		eLQ	16 37 10	LR	35	38.1 (2)		
		eLR	16 38 28	LZ	20	10.6 (2)		
		eL	16 42 38	LZ	21	27.6 (2)		
		eL	16 42 38	LR	22	20.3 (2)		
		eL	16 42 38	LT	20	18.3 (2)		
24	LC	eP	16 26 07.7	Z	1.3	24.4 (0)	50.0	4.97
		eP	16 26 08	LZ	21	32.9 (1)		
		ePP	16 27 50	LZ	18	23.2 (1)		
		eSCP	16 31 20	Z	2.0	31.8 (0)		
		eSCP	16 31 20	LZ	18	15.3 (1)		
		eS	16 33 20	LR	20	99.9 (9)		
		eSCS	16 36 45	LR	999.9	99.9 (9)		
		eLQ	16 39 00	LR	18	76.9 (1)		
		eLR	16 41 15	LZ	999.9	99.9 (9)		
24	SJ	eP	16 27 10.0	Z	0.9	18.4 (0)	58.0	5.11
		eP	16 27 10	LZ	14	11.1 (2)		
		e	16 27 41	Z	0.8	37.8 (0)		
		eS	16 35 03	LT	23	20.3 (2)		
		eSCS	16 37 07	LT	22	14.0 (2)		
		eSS	16 39 45	LT	25	12.3 (2)		
		eLQ	16 40 56	LT	22	16.4 (2)		
		eLR	16 43 23	LT	33	80.9 (2)		
24	DH	eP	16 27 30.3	Z	1.1	19.0 (1)	61.0	6.10
		eP	16 27 31	LZ	14	72.5 (1)		
		eS	16 35 50	R	1.5	82.0 (0)		
		eS	16 35 50	T	1.2	29.7 (0)		
		eS	16 35 50	LR	21	19.5 (2)		
		e	16 40 55	LR	21	63.6 (1)		
		eLQ	16 42 45	LR	30	80.2 (1)		
		eLR	16 47 08	LZ	34	10.8 (2)		
		eL	16 55 15	LZ	18	53.2 (2)		
		eL	16 55 15	LR	18	47.0 (2)		
		eL	16 55 15	LT	19	36.6 (2)		
						AVG.		5.10
24	16 25 58.6		52.4 N 171.2 W ANDREANOF ALEUTIAN ISLANDS H =034 KM MAG 4.20- CGS					
24	16 52 06.2		52.3 N 171.2 W FOX ISLANDS H =033 KM MAG 4.50- CGS					
24	LC	eP	17 00 58.5	Z	0.7	1.8 (0)	50.0	4.13
		e	17 01 16	Z	1.0	3.8 (0)		
24	DH	eP	17 02 21.0	Z	0.7	10.2 (0)	61.0	5.03
						AVG.		4.58

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	DH	eP	18 13 03.0	Z	0.2	4.8 (0)	0.5	
		eS	18 13 11	T	0.3	6.8 (0)		
24	DH	eP	18 28 48.0	Z	0.3	7.3 (0)	1.6	
		eS	18 29 10	T	0.3	27.5 (0)		
24	PM	eP	18 46 34.2	Z	0.2	5.6 (0)	1.3	
		eS	18 46 50	R	0.3	20.3 (0)		
24	18 56 43.6		04.6 S 101.8 E OFF SOUTH COAST OF SUMATRA H =033 KM					
24	WI	eP	19 05 56.3	Z	0.2	99.9 (9)		
24	WI	eP	19 36 51.0	Z	0.8	1.4 (0)		
24	MN	eP	20 11 45.0	Z	0.3	1.8 (0)	0.6	
		eS	20 11 54	R	0.3	2.9 (0)		
24	LC	eP	20 37 39.2	Z	0.2	4.8 (0)	1.8	
		eS	20 37 59	R	0.3	6.2 (0)		
24	MN	eP	23 20 12.2	Z	0.3	2.1 (0)	0.6	
		eS	23 20 21	R	0.3	9.1 (0)		
25	02 29 36.5		18.9 S 177.5 W FIJI ISLANDS REGION H =566 KM MAG 4.10- CGS					
25	02 47 03.0		07.2 S 154.8 E SOLOMON ISLANDS REGION H =207 KM MAG 4.80- CGS					
25	CP	eP	07 43 48.2	Z	999.9	99.9 (9)		
25	08 26 21.9		44.3 N 129.1 W OFF COAST OF OREGON H =031 KM MAG 4.50- CGS					
25	MV	eP	08 28 13.0	Z	0.6	4.2 (0)	8.0	4.66
		eL	08 30 15	LZ	20	10.6 (2)		
25	WI	eP	08 28 35.7	Z	1.0	8.7 (0)	9.0	4.95
		eLQ	08 30 25	LR	21	77.2 (1)		
		eLR	08 31 35	LZ	15	73.7 (1)		
25	CP	eP	08 29 54.2	Z	1.0	14.4 (0)	15.0	4.36
		eL	08 33 40	LZ	22	57.6 (1)		
25	MN	eL	08 30 00	LZ	16	13.7 (1)	10.0	
25	LC	eP	08 31 07.0	Z	1.0	12.5 (0)	22.0	4.26
		eS	08 35 15	LT	20	40.6 (0)		
		eL	08 37 10	LR	25	39.6 (0)		
25	PM	eL	08 37 05	LZ	17	74.6 (1)	18.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	M.G
						AVG.		4.56
25	09 39 28.4		44.3 N 129.1 W OFF COAST OF OREGON H =032 KM MAG 4.50- CGS					
25	MV	eP	09 41 19.0	Z	0.7	5.0 (0)	8.0	4.66
		eL	09 43 20	LZ	20	14.6 (1)		
25	WI	eP	09 41 42.8	Z	0.8	2.5 (0)	9.0	4.51
		eL	09 43 31	LR	21	11.4 (2)		
25	CP	eP	09 43 01.0	Z	1.1	17.8 (0)	15.0	4.41
		eL	09 47 00	LZ	20	75.2 (1)		
25	PM	eP	09 43 34.5	Z	2.0	42.2 (0)	18.0	4.25
		eL	09 47 05	LR	19	32.2 (1)		
25	LC	eP	09 44 13.6	Z	0.9	11.5 (0)	22.0	4.27
25	MN	eL	09 45 00	LZ	19	11.1 (2)	10.0	
						AVG.		4.42
25	CP	eP	09 53 12.5	Z	0.3	6.4 (0)	0.8	
		eS	09 53 23	R	0.3	15.7 (0)		
25	10 45 32.5		15.9 S 75.3 W NEAR COAST OF PERU H =034 KM MAG 4.20- CGS					
25	11 43 41.3		08.7 N 82.9 W PANAMA COSTA RICO BORDER H =037 KM MAG 4.40- CGS					
25	WI	eP	11 51 52.5	Z	0.5	1.6 (0)	45.0	4.14
		eL	12 07 35	LZ	30	15.7 (1)		
25	LC	eL	11 55 30	LR	20	16.0 (1)	32.0	
25	SJ	eL	11 55 40	LR	30	96.9 (1)	24.0	
25	DH	eL	12 00 35	LT	33	71.0 (1)	34.0	
25	MN	eL	12 06 05	LT	30	24.8 (1)	43.0	
25	CP	eP	12 50 53.0	Z	0.4	1.2 (0)	2.8	
		eS	12 51 28	T	0.4	5.3 (0)		
25	CP	eP	14 24 38.1	Z	0.2	5.1 (0)	0.5	
		eS	14 24 45	T	0.2	18.3 (0)		
25	14 32 14.3		08.4 S 106.5 E NEAR SOUTH COAST OF JAVA H =078 KM MAG 5.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	LC	ePD	14 48 10	LZ	20	77.5 (1)	141.0	
		eP'	14 51 29	LZ	22	86.6 (1)		
25	MV	eP'	14 51 13.5	Z	1.5	15.0 (0)	127.0	
25	WI	eP'	14 51 18.0	Z	1.5	12.8 (0)	129.0	
25	PM	eP'	14 51 37.5	Z	0.6	9.8 (0)	137.0	
25	DH	eP'	14 51 48.5	Z	1.5	60.7 (0)	146.0	
25	SJ	eP'	14 52 02.7	Z	1.5	95.4 (0)	150.0	
25	15 51 49.0		44.0 N 110.0 W	YELLOWSTONE PARK, WYO.				
			H =033 KM MAG	3.90-	CGS			
25	WI	eP	15 53 20.0	Z	0.5	1.6 (0)	6.0	3.92
		e	15 55 00	LZ	17	81.7 (1)		
25	16 04 19.3		20.4 S 176.1 W	TONGA ISLANDS				
			H =250 KM MAG	4.30-	CGS			
25	WI	eP	16 16 13.5	Z	1.1	10.8 (0)	83.0	4.54
		eLQ	16 43 15	LT	30	17.3 (1)		
		eLR	16 45 25	LZ	17	81.7 (1)		
25	LC	eP	16 16 28.5	Z	1.3	19.2 (0)	85.0	4.72
25	MN	eL	16 37 55	LR	20	41.3 (1)	80.0	
25	CP	eL	16 40 07	LZ	15	90.5 (1)	78.0	
25	SJ	eL	16 43 40	R	2.0	11.2 (1)	89.0	
		eL	16 43 45	LT	17	33.7 (2)		
25	MV	eL	16 43 42	LZ	20	37.8 (1)	79.0	
25	PM	eL	16 44 30	LR	16	26.5 (2)	90.0	
25	DH	eL	16 54 47	LT	17	92.9 (1)	112.0	
						AVG.		4.63
25	DH	eP	16 10 11.0	Z	0.5	11.6 (0)	1.5	
		eS	16 10 32	R	0.3	15.8 (0)		
25	DH	eP	16 23 09.0	Z	0.3	14.7 (0)	1.0	
		eS	16 23 27	R	0.3	42.1 (0)		
25	LC	eP	16 38 37.5	Z	0.5	1.8 (0)		
25	LC	eL	16 40 23	R	0.5	13.2 (0)		
25	DH	eP	17 03 13.0	Z	0.4	24.9 (0)	1.8	
		eS	17 03 47	R	0.4	66.1 (0)		
25	DH	eP	19 11 51.5	Z	0.5	11.6 (0)	1.5	
		eS	19 12 12	R	0.5	19.4 (0)		
25	LC	eP	21 27 26.0	Z	0.4	6.0 (0)	1.4	
		eS	21 27 45	T	0.5	15.9 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	WI	eP	23 49 55.2	Z	0.2	4.1 (0)	0.1	
		eS	23 49 58	R	0.2	26.6 (0)		
26	SJ	eP	00 04 36.0	Z	0.7	8.1 (0)		
26	LC	eP	00 05 52.5	Z	1.0	3.7 (0)		
26	00 59 08.9		07.1 N 82.2 W	SOUTH OF PANAMA				
			H =033 KM MAG	4.40-	CGS			
26	MN	eP	01 07 22.5	Z	1.0	2.5 (0)	45.0	4.04
26	WI	eP	01 07 35.5	Z	1.0	5.4 (0)	46.0	4.46
							AVG.	4.25
26	01 33 52.8		32.7 S 71.5 W	SOUTHERN CHILE				
			H =093 KM MAG	4.10-	CGS			
26	MN	eP	01 38 16.0	Z	0.2	8.5 (0)	1.5	
26	MV	eP	01 38 18.0	Z	0.4	2.8 (0)	1.6	
26	WI	eP	01 38 25.5	Z	0.3	3.8 (0)	3.0	
		e	01 38 29	T	0.3	7.8 (0)		
26	MN	eS	01 38 35	R	0.2	99.9 (9)	1.5	
26	MV	eS	01 38 39	T	0.4	23.9 (0)	1.6	
26	WI	eS	01 38 59	T	999.9	99.9 (9)	3.0	
26	CP	eP	02 34 57.0	Z	0.2	2.0 (0)	1.4	
		eS	02 35 16	R	0.2	6.7 (0)		
26	CP	eP	03 49 26.5	Z	0.3	1.0 (0)	2.0	
		eS	03 49 54	R	0.3	3.0 (0)		
26	04 40 28.9		55.3 N 160.4 E	KAMCHATKA				
			H =033 KM MAG	4.40-	CGS			
26	MN	eP	04 49 58.7	Z	1.0	5.9 (0)	55.0	4.57
26	PM	eP	04 45 25.5	Z	0.5	1.2 (0)		
26	CP	eP	05 42 39.5	Z	0.3	1.5 (0)	1.5	
		eS	05 42 58	T	0.3	6.3 (0)		
26	PM	eP	06 27 41.0	Z	0.2	11.2 (0)	1.4	
		eS	06 27 58	R	0.3	12.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	CP	eP	07 29 16.0	Z	0.2	10.9 (0)	0.9	
		eS	07 29 28	T	0.2	99.9 (9)		
26	07 55 41.4		11.5 N 143.0 E	MARIANA ISLANDS				
			H =048 KM MAG	4.80- CGS				
26	WI	eP	08 08 35.7	Z	1.1	12.0 (0)	90.0	4.99
26	MN	eP	08 08 36.7	Z	1.0	6.8 (0)	90.0	4.78
							AVG.	4.88
26	WI	eP	08 02 04.4	Z	0.5	1.6 (0)		
26	08 33 18.7		38.9 N 142.0 E	NEAR NORTH HONSHU, JAPAN				
			H =033 KM MAG	4.20- CGS				
26	09 41 31.2		04.6 N 126.3 E	OFF COAST MINDANAO, P. I.				
			H =033 KM MAG	4.90- CGS				
26	LC	eP*	10 00 17.5	Z	1.0	2.5 (0)	118.0	
		eSKKP	10 10 42	Z	1.1	4.6 (0)		
26	DH	eSKP	10 03 55	Z	1.0	20.0 (0)	130.0	
26	CP	eSKKP	10 14 43	Z	0.2	1.3 (0)	110.0	
26	10 27 03.1		35.3 N 3.7 W	WESTERN MEDITERRANEAN				
			H =033 KM MAG	4.60- CGS				
26	PM	eP	10 38 45.0	Z	1.0	5.0 (0)	75.0	4.43
26	LC	eP	10 39 19.0	Z	1.0	2.5 (0)	81.0	4.13
26	WI	eP	10 39 26.0	Z	0.6	1.8 (0)	83.0	4.38
26	MN	eP	10 39 37.5	Z	0.5	0.9 (0)	85.0	4.18
26	MV	eP	10 39 43.0	Z	0.8	2.9 (0)	86.0	4.39
26	CP	eP	10 39 50.5	Z	0.5	1.0 (0)	87.0	4.27
							AVG.	4.30
26	CP	eP	10 34 11.0	Z	0.2	0.6 (0)	1.1	
		eS	10 34 26	R	0.2	6.7 (0)		
26	CP	eP	12 31 14.5	Z	0.3	1.0 (0)	1.6	
		eS	12 31 35	R	0.3	4.0 (0)		
26	DH	eP	13 26 08.2	Z	0.4	20.7 (0)	1.9	
		eS	13 26 35	R	0.4	94.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	14 09 13.0		36.4 N 76.9 E	SINKIANG PROVINCE, CHINA				
			H =033 KM MAG	5.30- CGS				
26	WI	eP	14 23 04.5	Z	0.5	0.8 (0)	102.0	4.64
26	MN	ePP	14 27 31	Z	1.0	3.4 (0)	104.0	
26	14 22 49.*		05.9 N 72.7 W	COLOMBIA				
			H =033 KM MAG	4.60- CGS				
26	LC	eP	14 30 33.0	Z	0.9	26.9 (0)	41.0	5.00
26	PM	eP	14 31 08.5	Z	0.8	2.9 (0)	46.0	4.30
26	MN	eP	14 32 00.0	Z	0.7	2.5 (0)	52.0	4.29
26	WI	eP	14 32 06.5	Z	0.5	4.0 (0)	53.0	4.64
							AVG.	4.56
26	DH	eP	14 40 01.0	Z	0.4	17.3 (0)	1.8	
		eS	14 40 25	R	0.4	52.4 (0)		
26	16 51 42.*		23.5 S 177.0 W	FIJI ISLANDS				
			H =033 KM MAG	4.60- CGS				
26	WI	eP	17 04 14.5	Z	1.0	5.4 (0)	85.0	4.63
26	DH	eP	16 57 12.0	Z	0.5	7.5 (0)		
26	DH	eP	17 07 26.5	Z	0.3	3.5 (0)	1.1	
		eS	17 07 41	R	0.4	20.9 (0)		
26	17 21 56.6		24.2 N 95.2 E	NORTHERN BURMA				
			H =080 KM MAG	5.40- CGS				
26	CP	eP	17 25 03.5	Z	0.3	1.0 (0)	2.2	
		eS	17 25 31	T	0.3	2.6 (0)		
26	17 42 40.6		07.1 N 82.3 W	SOUTH COAST OF PANAMA				
			H =020 KM MAG	6.00- CGS				
26	SJ	eP	17 48 09.0	Z	0.6	99.9 (9)	25.0	
		eP	17 48 10	LZ	11	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	17 52 10	LR	23	99.9 (9)		
26	LC	eP	17 49 23.5	Z	1.0	99.9 (9)	34.0	
		eP	17 49 24	LZ	28	17.8 (2)		
		ePP	17 50 35	LZ	20	99.9 (9)		
		eS	17 54 50	LT	999.9	99.9 (9)		
		eS	17 54 50	LR	999.9	99.9 (9)		
		eL	17 56 40	LZ	15	99.9 (9)		
26	DH	eP	17 49 40.0	Z	0.6	84.0 (0)	36.0	5.76
		eP	17 49 45	LZ	10	11.9 (2)		
		eS	17 55 20	LR	17	73.7 (2)		
		eS	17 55 20	LT	25	27.7 (2)		
		eLQ	17 57 00	LR	20	26.9 (2)		
		eLR	18 00 10	LZ	32	99.9 (9)		
26	PM	eP	17 50 14.0	Z	0.8	39.8 (0)	40.0	5.13
		eP	17 50 15	LZ	17	26.1 (1)		
		ePP	17 51 45	LT	21	31.4 (2)		
		ePP	17 51 47	Z	1.4	13.6 (1)		
		eS	17 56 20	LT	999.9	99.9 (9)		
		eS	17 56 20	LR	21	99.9 (9)		
		eLQ	17 58 41	LR	20	99.9 (9)		
		eLR	18 02 15	LZ	999.9	99.9 (9)		
26	CP	eP	17 50 22.0	Z	1.0	64.6 (0)	41.0	5.33
		eP	17 50 23	LZ	15	17.2 (2)		
		ePP	17 52 00	Z	1.6	84.2 (0)		
		ePP	17 52 00	LZ	20	92.8 (1)		
		eS	17 56 45	LT	22	99.9 (9)		
		eS	17 56 45	LR	20	78.2 (2)		
		eLQ	18 00 10	LR	35	10.1 (3)		
		eLR	18 03 25	LZ	27	14.1 (3)		
		eL	18 03 25	LR	23	43.9 (2)		
		eL	18 03 25	LT	30	94.9 (2)		
26	MN	eP	17 50 57.1	Z	999.9	99.9 (9)	45.0	
		eP	17 50 57	LZ	17	10.6 (2)		
		ePP	17 52 44	Z	2.0	25.5 (1)		
		ePP	17 53 00	LZ	20	50.9 (1)		
		eS	17 57 45	LR	999.9	99.9 (9)		
		eS	17 57 45	LT	20	26.6 (2)		
		eLQ	18 00 50	LT	22	16.7 (2)		
		eLR	18 05 00	LZ	35	99.9 (9)		
26	WI	eP	17 51 06.5	Z	999.9	99.9 (9)	46.0	
		eP	17 51 08	LZ	17	10.7 (2)		
		ePP	17 52 55	LZ	13	21.8 (2)		
		ePP	17 52 58	Z	1.5	63.6 (0)		
		eS	17 58 00	LR	999.9	99.9 (9)		
		eS	17 58 00	LT	32	51.2 (2)		
		eL	18 01 05	LZ	26	44.1 (2)		
		eL	18 07 00	LZ	35	99.9 (9)		
		eL	18 07 00	LR	35	99.9 (9)		
		eL	18 07 00	LT	22	99.9 (9)		
26	MV	eP	17 51 17.5	Z	1.0	24.8 (0)	48.0	5.23
		eP	17 51 18	LZ	17	12.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	17 53 10	LZ	18	86.2 (1)		
		ePPP	17 53 55	LZ	14	13.3 (2)		
		eS	17 58 15	LR	999.9	99.9 (9)		
		eSS	18 01 20	LR	17	15.9 (2)		
		eLQ	18 04 10	LR	32	12.9 (2)		
		eLR	18 06 20	LZ	38	99.9 (9)		
							AVG.	5.36
26	MN	eP	17 48 24.1	Z	0.3	4.2 (0)	0.7	
		eS	17 48 34	R	0.3	99.9 (9)		
26	WI	eP	17 48 51.0	Z	0.2	1.0 (0)	2.3	
		eS	17 49 20	R	0.4	5.6 (0)		
26	CP	eP	18 17 25.5	Z	0.3	1.0 (0)	4.8	
		eS	18 18 22	T	0.5	8.9 (0)		
26	CP	eP	18 39 02.5	Z	0.2	4.7 (0)	0.8	
		eS	18 39 12	R	0.2	5.4 (0)		
26	CP	eP	18 44 15.0	Z	0.2	7.5 (0)	0.7	
		eS	18 44 25	T	0.2	15.4 (0)		
26	CP	eP	19 16 13.7	Z	0.2	1.3 (0)	0.7	
		eS	19 16 23	R	0.2	6.0 (0)		
26	DH	eP	19 48 11.0	Z	0.5	18.9 (0)	1.7	
		eS	19 48 33	T	0.5	74.2 (0)		
26	DH	eP	19 58 28.5	Z	0.5	7.5 (0)	0.4	
		eS	19 58 35	R	0.3	21.7 (0)		
26	LC	eP	20 33 14.5	Z	0.2	7.1 (0)	1.5	
		eS	20 33 34	T	0.4	6.0 (0)		
26	PM	eP	20 33 40.0	Z	0.3	12.0 (0)	3.0	
26	WI	eP	20 34 13.0	Z	0.5	0.8 (0)	3.3	
26	PM	eS	20 34 19	R	0.4	4.6 (0)	3.0	
26	WI	eS	20 35 01	T	0.5	1.6 (0)	3.3	
26	MN	eP	20 38 43.5	Z	0.4	0.5 (0)	0.8	
		eS	20 38 54	T	0.4	3.0 (0)		
26	CP	eP	21 39 11.0	Z	0.2	0.6 (0)	0.7	
		eS	21 39 21	T	0.2	6.3 (0)		
26	WI	eP	21 43 03.0	Z	0.3	0.7 (0)		
26	CP	eP	21 53 35.5	Z	0.3	1.5 (0)	0.4	
		eS	21 53 42	T	0.5	6.6 (0)		
26	CP	eP	22 29 10.5	Z	0.2	1.3 (0)	0.8	
		eS	22 29 21	R	0.2	6.0 (0)		
26	DH	eP	22 47 38.0	Z	0.5	4.5 (0)	1.5	
26	CP	eP	22 47 41.5	Z	0.4	0.9 (0)	1.6	
26	PM	eP	22 47 46.0	Z	0.5	1.2 (0)	3.0	
26	DH	eS	22 47 57	R	0.5	5.7 (0)	1.5	
26	CP	eS	22 48 02	T	0.4	4.0 (0)	1.6	
26	PM	eS	22 48 22	R	0.7	6.7 (0)	3.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	22 48 46	T	0.7	11.4 (0)		
27		00 06 13.0	18.5 S 177.7 W FIJI ISLANDS H =397 KM MAG 3.90- CGS					
27	CP	eP	00 48 58.5	Z	0.3	4.5 (0)	0.6	
		eS	00 49 08	T	0.3	11.2 (0)		
27	LC	eP	01 41 02.5	Z	1.0	6.2 (0)		
27		03 11 40.9	25.6 S 64.6 W SALTA PROVINCE, ARGENTINA H =060 KM MAG 4.50- CGS					
27	WI	eP	03 24 00.5	Z	1.0	7.6 (0)	83.0	4.70
27	CP	eP	03 29 48.2	Z	0.5	1.0 (0)	1.7	
		eS	03 30 12	T	0.4	23.7 (0)		
27	CP	eP	05 19 17.0	Z	0.4	3.9 (0)	0.5	
		eS	05 19 25	T	0.4	4.9 (0)		
27		07 08 01.7	60.5 N 140.7 W YUKON TERRITORY H =029 KM MAG 4.60- CGS					
27	WI	eP	07 13 14.6	Z	2.0	12.3 (1)	24.0	5.06
		eS	07 17 40	LR	16	29.3 (2)		
		eL	07 19 15	LT	26	23.2 (2)		
27	MV	eP	07 13 19.5	Z	1.2	36.5 (0)	25.0	4.89
		eP	07 13 25	LZ	20	48.4 (1)		
		eS	07 17 45	LR	20	22.4 (2)		
		eLR	07 20 32	LZ	23	54.6 (2)		
27	MN	eP	07 13 36.0	Z	2.1	97.5 (0)	26.0	5.03
		eP	07 13 36	LZ	14	34.3 (1)		
		eS	07 18 12	LR	20	18.9 (2)		
		eS	07 18 12	LT	20	85.4 (1)		
		eL	07 21 50	LZ	25	99.9 (9)		
27	PM	eP	07 14 00.2	Z	1.1	8.3 (0)	29.0	4.42
		eS	07 18 55	LT	23	96.5 (1)		
		eS	07 18 55	LR	15	73.2 (1)		
		eLQ	07 22 15	LR	35	80.0 (2)		
		eLR	07 23 35	LZ	23	11.7 (2)		
		eL	07 25 10	LZ	22	12.2 (2)		
		eL	07 25 10	LR	17	25.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	07 25 10	LT	25	10.3 (2)		
27	CP	eP	07 14 27.5	Z	1.1	28.2 (0)	32.0	5.05
		eP	07 14 31	LZ	20	11.6 (1)		
		eS	07 19 40	LT	27	78.4 (1)		
		eS	07 19 40	LR	25	62.5 (1)		
		eLR	07 24 35	LZ	21	15.6 (2)		
		eL	07 28 40	LZ	16	40.8 (2)		
		eL	07 28 40	LR	16	30.1 (2)		
		eL	07 28 40	LT	16	23.9 (2)		
27	LC	eP	07 15 00.0	Z	1.3	9.6 (0)	36.0	4.49
		eP	07 15 01	LZ	20	10.4 (1)		
		epP	07 16 30	LZ	16	16.6 (1)		
		eS	07 20 45	LR	28	70.4 (1)		
		eS	07 20 45	LT	25	45.6 (1)		
		eSS	07 23 00	LR	20	36.2 (1)		
		eLQ	07 23 55	LR	17	22.1 (1)		
		eLR	07 24 35	LZ	20	18.3 (1)		
		eL	07 27 20	LZ	25	45.4 (1)		
		eL	07 27 20	LR	24	23.8 (2)		
		eL	07 27 20	LT	26	16.3 (2)		
27	DH	eP	07 15 58.0	Z	2.0	61.5 (0)	42.0	5.01
		eS	07 22 25	LR	16	37.3 (1)		
		eS	07 22 25	LT	17	26.5 (1)		
		eSS	07 25 37	LR	15	55.4 (1)		
		eLQ	07 29 20	LZ	20	15.0 (1)		
		eLR	07 30 25	LR	17	24.9 (2)		
		eL	07 30 25	LZ	12	10.7 (2)		
		eL	07 30 25	LT	16	21.9 (2)		
27	SJ	eP	07 16 12.5	Z	1.5	94.0 (0)	43.0	5.29
		eP	07 16 13	LZ	13	36.2 (1)		
		eS	07 22 43	LR	20	52.1 (1)		
		eS	07 22 48	LT	19	76.1 (1)		
		eSS	07 26 02	LT	20	11.4 (2)		
		eLQ	07 26 55	LT	20	41.9 (1)		
		eLR	07 29 45	LT	35	99.9 (9)		
		eL	07 31 25	LZ	22	86.9 (1)		
		eL	07 31 25	LR	23	25.3 (2)		
		eL	07 31 25	LT	27	99.9 (9)		
						AVG.		4.90
27		07 23 15.5	23.2 S 177.1 W FIJI ISLANDS H =338 KM MAG 4.20- CGS					
27	WI	eP	07 54 06.4	Z	0.3	0.7 (0)	0.4	
		eS	07 54 12	R	0.3	5.8 (0)		
27	WI	eP	08 03 10.0	Z	0.3	2.3 (0)	1.4	
		eS	08 03 28	T	0.3	3.9 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	08 12 57.3		15.6 S 172.9 W TONGA ISLANDS H =033 KM MAG 4.50- CGS					
27	MN	eP	08 24 33.5	Z	1.0	5.1 (0)	74.0	4.44
27	WI	eP	08 24 45.5	Z	1.5	12.9 (0)	77.0	4.73
							AVG.	4.58
27	CP	eP	11 32 31.0	Z	0.3	7.1 (0)	1.3	
		eS	11 32 49	R	0.3	25.3 (0)		
27	11 46 57.9		08.3 S 111.2 E NEAR COAST OF JAVA H =180 KM					
27	LC	eP'	12 06 07.2	Z	0.6	1.0 (0)	137.0	
		ePP	12 09 30	Z	1.0	3.7 (0)		
27	DH	eP'	12 06 19.7	Z	0.8	6.9 (0)	146.0	
27	SJ	eP'	12 06 22.5	Z	0.7	7.9 (0)	146.0	
27	12 21 25.1		30.1 S 177.7 W KERMADEC ISLANDS H =044 KM MAG 4.80- CGS					
27	CP	eP	12 34 00.5	Z	1.0	8.5 (0)	85.0	4.80
27	MV	eP	12 34 06.7	Z	1.1	8.3 (0)	87.0	4.79
27	MN	eP	12 34 12.4	Z	0.9	4.5 (0)	88.0	4.67
27	WI	eP	12 34 23.1	Z	1.0	5.4 (0)	90.0	4.69
27	LC	eP	12 34 30.5	Z	1.2	3.8 (0)	92.0	4.60
							AVG.	4.71
27	DH	eP	12 58 14.5	Z	0.3	7.0 (0)	1.5	
		eS	12 58 35	R	0.3	13.4 (0)		
27	13 15 16.2		11.6 S 77.4 W CENTRAL PERU H =033 KM MAG 4.10- CGS					
27	15 08 09.*		39.1 N 140.7 E NORTH HONSHU, JAPAN H =114 KM MAG 4.00- CGS					
27	15 32 53.1		14.4 N 93.7 E ANDAMON ISLANDS REGION H =033 KM MAG 5.20- CGS					
27	MV	eP'	15 51 37.0	Z	0.8	9.0 (0)	117.0	4.25

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	WI	eP'	15 51 37.1	Z	0.8	4.5 (0)	117.0	
27	MN	eP'	15 51 41.7	Z	0.5	2.2 (0)	119.0	
27	LC	eSKP	15 55 19.0	Z	1.0	6.2 (0)	129.0	
27	SJ	eSKP	15 55 44.0	Z	1.0	6.3 (0)	136.0	
27	DH	eP	16 26 15.7	Z	0.5	7.4 (0)	1.8	
		eS	16 26 40	R	0.3	26.8 (0)		
27	MN	eP	16 41 20.5	Z	0.3	6.7 (0)	0.4	
		eS	16 41 27	R	0.3	6.9 (0)		
27	CP	eP	17 20 51.0	Z	0.3	2.5 (0)	0.3	
		eS	17 20 56	R	0.4	8.8 (0)		
27	CP	eP	17 50 53.5	Z	0.4	0.9 (0)	1.5	
		eS	17 51 14	T	0.4	14.8 (0)		
27	PM	eP	18 48 01.0	Z	0.2	4.8 (0)	1.1	
		eS	18 48 16	R	0.2	30.4 (0)		
27	DH	eP	18 52 58.0	Z	0.4	6.7 (0)	1.8	
		eS	18 53 22	R	0.4	20.7 (0)		
27	CP	eP	19 14 36.0	Z	0.3	9.1 (0)	0.3	
		eS	19 14 41	T	0.3	18.4 (0)		
27	PM	eP	20 00 13.5	Z	0.3	2.4 (0)	1.3	
		eS	20 00 21	R	0.3	15.6 (0)		
27	CP	eP	20 32 48.0	Z	0.4	2.9 (0)	0.8	
		eS	20 32 55	R	0.4	11.2 (0)		
		eP	20 35 05.0	Z	0.3	5.1 (0)		
		eS	20 35 17	R	0.3	17.2 (0)		
		eP	20 39 50.0	Z	0.3	10.2 (0)		
		eS	20 40 02	R	0.3	20.2 (0)		
27	MN	eP	20 42 08.7	Z	0.4	0.5 (0)	0.9	
		eS	20 42 21	T	0.4	4.2 (0)		
27	CP	eP	20 43 24.5	Z	0.3	9.1 (0)	0.8	
		eS	20 43 35	T	0.3	13.3 (0)		
27	CP	eP	20 46 39.5	Z	0.3	12.2 (0)	0.7	
		eS	20 46 49	R	0.3	23.3 (0)		
27	CP	eP	20 53 45.0	Z	0.3	9.1 (0)	0.8	
		eS	20 55 60	T	0.3	24.6 (0)		
27	LC	eP	21 26 42.5	Z	0.2	3.5 (0)	1.5	
		eS	21 27 02	R	0.2	9.3 (0)		
27	PM	eP	22 10 14.0	Z	0.5	3.8 (0)	1.7	
		eS	22 10 37	T	0.7	10.6 (0)		
27	MN	eP	22 20 24.2	Z	0.6	4.9 (0)	2.5	
		eS	22 20 56	R	0.6	4.3 (0)		
27	23 25 02.6		48.0 N 152.9 E KURILE ISLANDS H =109 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	00 33 00.*		16.8 N 96.0 W NEAR COAST OAXACO, MEXICO					
			H =033 KM MAG 3.60- CGS					
28	LC	eP	00 37 12.5	Z	0.9	1.9 (0)	18.0	3.26
28	MN	eP	00 38 57.9	Z	1.0	1.4 (0)	29.0	3.70
28	WI	eP	00 39 12.4	Z	0.8	32.0 (0)	30.0	5.16
							AVG.	4.04
28	02 28 51.6		27.5 S 66.1 E INDIAN OCEAN					
			H =033 KM MAG 6.00- CGS					
28	DH	eP'	02 48 26.5	Z	1.0	39.8 (0)	145.0	
		eP'	02 48 30	LZ	12	51.9 (1)		
		ePP	02 52 04	LZ	11	51.1 (1)		
		eL	03 38 40	LZ	35	44.8 (1)		
28	WI	eP'1	02 48 45.1	Z	1.1	66.8 (0)	166.0	
		eP'2	02 49 54	Z	0.9	99.9 (0)		
		ePP	02 53 42	Z	1.1	10.6 (1)		
		eSS	03 14 09	LR	24	30.0 (1)		
		eSSS	03 21 20	LR	26	70.5 (1)		
		eLR	03 53 29	LZ	30	55.0 (1)		
28	SJ	eP'	02 48 57.2	Z	0.9	12.9 (0)	166.0	
		eP'	02 48 58	LZ	13	41.9 (1)		
		ePP	02 53 55	Z	1.0	16.8 (0)		
		eLQ	03 42 50	LT	22	20.0 (1)		
		eLR	03 58 40	LZ	25	65.6 (1)		
28	MN	eP'1	02 48 58.6	Z	1.1	14.6 (0)	169.0	
		eP'2	02 50 07	Z	1.0	17.7 (0)		
		ePP	02 53 59	Z	2.5	14.7 (1)		
		eL	03 59 05	LZ	29	11.5 (2)		
28	LC	eP'1	02 48 59.7	Z	1.1	12.3 (0)	172.0	
		eP'1	02 49 00	LZ	13	17.0 (1)		
		eP'2	02 50 22	Z	1.0	5.0 (0)		
		ePP	02 54 14	Z	2.0	39.0 (0)		
		ePP	02 54 29	LZ	12	56.1 (1)		
		eSS	03 15 20	LR	20	26.7 (1)		
		eSSS	03 22 45	LT	27	45.5 (1)		
		eLQ	03 51 15	LT	30	34.4 (1)		
		eLR	03 57 25	LZ	30	60.5 (1)		
		eL	04 03 26	LZ	24	87.1 (1)		
		eL	04 03 26	LT	25	54.6 (1)		
		eL	04 03 26	LR	23	51.6 (1)		
28	PM	eP'2	02 49 49.5	Z	0.9	25.9 (0)	164.0	
		ePP	02 53 34	Z	2.1	10.8 (1)		
28	MV	eP'2	02 49 58.2	Z	0.9	20.0 (0)	167.0	
		ePP	02 53 47	Z	2.0	81.4 (0)		
		eL	03 50 50	LZ	30	72.3 (1)		
28	CP	eP'2	02 50 02.5	Z	2.2	16.7 (1)	175.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	02 54 28	Z	1.7	35.9 (0)		
28	WI	eP	02 35 54.5	Z	0.8	19.2 (0)		
28	04 36 24.2		43.7 N 146.5 E KURILE ISLANDS					
			H =029 KM MAG 4.30- CGS					
28	WI	eP	07 28 58.8	Z	0.7	21.5 (0)		
28	CP	eP	08 29 15.4	Z	0.3	9.2 (0)	3.1	
		eS	08 29 54	R	0.3	38.2 (0)		
28	MN	eP	13 30 41.4	Z	1.2	2.2 (0)		
28	13 47 47.7		01.3 N 97.4 E NEAR COAST OF SUMATRA					
			H =050 KM MAG 5.00- CGS					
28	MV	eP'	14 06 47.9	Z	0.9	7.5 (0)	126.0	
		eL	14 54 10	LZ	20	23.8 (1)		
28	WI	eP'	14 06 50.0	Z	0.9	66.6 (0)	127.0	
		eL	14 52 10	LT	25	22.8 (1)		
28	MN	eP'	14 06 53.9	Z	0.8	3.5 (0)	129.0	
		ePP	14 09 08	LZ	18	28.5 (1)		
		eL	14 51 55	LZ	28	18.6 (1)		
28	PM	eP'	14 07 01.7	Z	0.8	2.9 (0)	133.0	
		ePP	14 09 25	LZ	21	31.7 (1)		
		ePKS	14 10 35	LR	25	51.5 (1)		
		ePS	14 19 40	LR	17	19.9 (1)		
		eSS	14 27 18	LT	21	76.3 (1)		
		eL	15 03 35	LZ	25	40.5 (1)		
28	CP	eP'	14 07 05.3	Z	0.8	3.4 (0)	134.0	
28	SJ	eP'	14 07 31.2	Z	0.8	54.8 (0)	148.0	
		eP'	14 07 32	LZ	19	80.3 (1)		
		eL	15 06 05	LR	29	74.7 (1)		
28	LC	ePP	14 10 10	LZ	20	24.9 (1)	140.0	
		eSKKS	14 17 05	LR	19	17.0 (1)		
		e	14 22 40	LR	23	29.7 (1)		
		eSS	14 28 55	LT	22	29.3 (1)		
		eL	15 02 32	LZ	24	27.3 (1)		
28	DH	eSS	14 27 55	LR	25	49.5 (1)	136.0	
		eL	14 48 15	LR	25	24.7 (1)		
28	DH	eP	14 04 54.0	Z	0.4	20.6 (0)	1.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	14 05 17	R	0.4	50.4 (0)		
28		15 15 08.0	67.2 N 18.7 W NORTH OF ICELAND H =033 KM MAG 4.30- CGS					
28	CP	eP	15 19 54.6	Z	999.9	99.9 (9)		
28		16 01 24.6	67.5 N 18.7 W OFF N. COAST OF ICELAND H =033 KM MAG 4.40- CGS					
28		21 55 38.8	46.5 N 153.2 E KURILE ISLANDS REGION H =033 KM MAG 6.10- CGS					
28	MV	eP	22 05 45.0	Z	0.8	6.7 (0)	60.0	4.75
		eP	22 05 49	LZ	15	99.9 (9)		
		eS	22 13 47	LR	999.9	99.9 (9)		
		eS	22 13 58	R	9.5	10.2 (3)		
		eL	22 20 35	LZ	999.9	99.9 (9)		
28	WI	eP	22 05 51.9	Z	0.9	99.9 (9)	61.0	
		eP	22 05 55	LZ	13	41.4 (2)		
		eS	22 14 02	LR	24	38.0 (2)		
		eS	22 14 14	T	4.8	15.0 (2)		
		eLQ	22 24 00	LR	14	12.2 (1)		
		eLR	22 26 05	LZ	20	67.3 (0)		
28	MN	eP	22 06 01.3	Z	0.8	8.7 (0)	63.0	4.87
		eP	22 06 08	LZ	22	19.9 (2)		
		eS	22 14 00	LR	15	99.9 (9)		
		eS	22 14 33	R	8.5	51.7 (2)		
		eLQ	22 22 55	T	18.5			
		eLR	22 24 18	Z	12.0			
28	CP	eP	22 06 33.4	Z	1.2	39.7 (0)	67.0	5.42
		eS	22 15 28	T	8.8	64.8 (2)		
		eS	22 15 32	LR	20	57.8 (2)		
		eL	22 29 55	Z	9.0	41.0 (2)		
28	PM	eP	22 06 37.3	Z	1.0	20.2 (0)	68.0	5.17
		eP	22 06 40	LZ	13	33.4 (2)		
		eS	22 15 38	LR	22	99.9 (9)		
		eS	22 15 40	R	8.0	76.0 (2)		
28	LC	eP	22 07 10.7	Z	1.0	21.2 (0)	74.0	5.06
		eP	22 07 12	LZ	18	15.5 (2)		
		eS	22 16 34	LR	999.9	99.9 (9)		
		eS	22 16 49	R	6.5	15.9 (2)		
		eL	22 28 48	T	20.0			
28	DH	eP	22 07 56.7	Z	0.8	29.4 (0)	82.0	5.36
		eP	22 07 58	LZ	23	45.3 (2)		
		ePP	22 11 03	LZ	17	42.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePPP	22 12 55	LZ	18	34.0 (2)		
		eS	22 18 05	LR	20	99.9 (9)		
		eSS	22 23 32	LR	24	10.4 (3)		
		eL	22 37 50	LZ	22	57.0 (2)		
28	SJ	eP	22 07 59.5	Z	2.0	47.4 (1)	82.0	6.17
		eP	22 08 00	LZ	19	25.1 (2)		
						AVG.		5.26
28		22 15 28.5	46.6 N 153.5 E KURILE ISLANDS REGION H =033 KM MAG 4.60- CGS					
28		22 22 02.*	46.6 N 153.7 E KURILE ISLANDS REGION H =033 KM MAG 4.50- CGS					
28		22 25 04.5	46.7 N 153.4 E KURILE ISLANDS REGION H =033 KM MAG 5.10- CGS					
28	MV	eP	22 35 08.6	Z	1.2	10.0 (0)	60.0	4.75
28	WI	eP	22 35 15.5	Z	1.3	24.9 (1)	61.0	6.15
28	MN	eP	22 35 26.0	Z	1.4	38.7 (0)	62.0	5.37
28	PM	eP	22 36 02.5	Z	1.5	64.3 (0)	68.0	5.50
28	LC	eP	22 36 34.8	Z	1.6	51.7 (0)	73.0	5.31
28	DH	eP	22 37 21.1	Z	1.4	47.4 (0)	82.0	5.33
28	SJ	eP	22 37 22.6	Z	1.4	60.2 (0)	82.0	5.43
						AVG.		5.40
28		22 49 34.0	46.6 N 153.3 E KURILE ISLANDS REGION H =033 KM MAG 4.30- CGS					
28		22 57 03.4	46.4 N 153.4 E KURILE ISLANDS REGION H =033 KM MAG 4.80- CGS					
28	MV	eP	23 07 09.6	Z	0.8	4.8 (0)	60.0	4.61
28	WI	eP	23 07 16.5	Z	1.0	15.1 (1)	61.0	6.04
28	MN	eP	23 07 25.9	Z	0.8	7.0 (0)	63.0	4.77
28	CP	eP	23 07 58.0	Z	0.9	3.3 (0)	67.0	4.46
28	PM	eP	23 08 02.5	Z	0.8	6.9 (0)	68.0	4.80
28	LC	eP	23 08 35.6	Z	0.9	4.8 (0)	74.0	4.46
28	DH	eP	23 09 21.6	Z	0.8	58.9 (0)	82.0	5.66
28	SJ	eP	23 09 24.2	Z	1.0	33.7 (0)	82.0	5.32
						AVG.		5.02
28		23 16 56.4	04.7 S 144.5 E NEAR COAST EAST NEW GUINEA H =083 KM MAG 4.80- CGS					

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
28	23 53 56.1			46.4 N 153.5 E KURILE ISLANDS REGION H =033 KM MAG 5.30- CGS					
29	MV	eP		00 04 02.8	Z	1.3	12.5 (0)	60.0	4.81
		eP	AS	00 04 13.5	Z	1.3	28.1 (0)		5.16
29	WI	eP		00 04 08.9	Z	1.0	7.5 (0)	61.0	4.74
		eP	AS	00 04 20.2	Z	1.0	16.2 (0)		5.07
29	MN	eP		00 04 18.1	Z	1.0	6.6 (0)	62.0	4.75
		eP	AS	00 04 29.6	Z	1.1	20.0 (0)		5.19
29	CP	eP		00 04 48.7	Z	1.1	8.8 (0)	67.0	4.80
		eP	AS	00 05 00.0	Z	1.3	27.6 (0)		5.22
29	PM	eP		00 04 54.5	Z	1.2	12.9 (0)	68.0	4.90
		eP	AS	00 05 06.1	Z	0.9	12.9 (0)		5.02
29	LC	eP		00 05 27.5	Z	1.2	7.6 (0)	73.0	4.60
		eP	AS	00 05 38.9	Z	1.2	17.3 (0)		4.96
29	SJ	eP		00 06 15.2	Z	1.1	20.8 (0)	82.0	5.07
								AS .	5.10
								AVG.	4.81
29	CP	eP		00 28 01.5	Z	0.2	3.4 (0)	1.2	
		eS		00 28 11	R	0.2	28.4 (0)		
29	CP	eP		01 01 49.5	Z	0.2	6.8 (0)	1.1	
		eS		01 02 03	R	0.2	9.4 (0)		
29	02 21 45.8			46.2 N 153.5 E KURILE ISLANDS REGION H =033 KM MAG 4.40- CGS					
29	MV	eP		02 31 55.5	Z	0.6	2.0 (0)	60.0	4.36
29	WI	eP		02 32 02.1	Z	0.8	1.9 (0)	61.0	4.24
29	MN	eP		02 32 11.5	Z	0.6	1.2 (0)	63.0	4.14
29	PM	eP		02 32 47.5	Z	0.6	2.8 (0)	68.0	4.54
29	LC	eP		02 33 20.5	Z	2.0	31.2 (0)	74.0	4.92
								AVG.	4.44
29	CP	eP		03 40 07.5	Z	0.5	1.0 (0)	3.5	
		eS		03 40 49	T	0.5	4.4 (0)		
29	04 07 10.0			46.0 N 153.5 E KURILE ISLANDS REGION H =033 KM MAG 4.70- CGS					
29	WI	eP		04 17 24.5	Z	1.0	3.2 (0)	61.0	4.37
29	LC	eP		04 18 45.0	Z	1.0	2.5 (0)	74.0	4.13
								AVG.	4.25

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
29	CP	eP		05 15 41.7	Z	0.3	2.5 (0)	1.2	
		eS		05 15 53	R	0.3	7.1 (0)		
29	05 38 56.2			46.4 N 153.3 E KURILE ISLANDS REGION H =033 KM MAG 4.70- CGS					
29	MV	eP		05 49 04.0	Z	1.0	1.6 (0)	60.0	4.04
29	WI	eP		05 49 10.0	Z	1.0	2.1 (0)	61.0	4.20
29	MN	eP		05 49 21.5	Z	1.0	2.9 (0)	63.0	4.30
29	PM	eP		05 49 55.4	Z	1.0	5.1 (0)	68.0	4.57
29	LC	eP		05 50 29.5	Z	1.5	7.3 (0)	74.0	4.42
								AVG.	4.31
29	MN	eP		06 02 04.0	Z	0.2	1.7 (0)	0.1	
		eS		06 02 07	T	0.2	5.7 (0)		
29	CP	eP		06 08 19.5	Z	0.2	4.1 (0)	0.3	
		eS		06 08 24	R	0.2	16.2 (0)		
29	MV	eP		06 44 35.7	Z	0.4	1.1 (0)		
29	MN	eP		07 20 27.0	Z	0.2	2.1 (0)	0.2	
		eS		07 20 32	R	0.2	22.8 (0)		
29	MN	eP		07 23 50.7	Z	0.5	1.1 (0)	1.1	
		eS		07 24 05	R	0.5	3.1 (0)		
29	CP	eP		08 04 59.5	Z	0.2	4.1 (0)	0.3	
		eS		08 05 05	R	0.2	8.1 (0)		
29	08 09 27.6			40.3 N 126.9 W OFF COAST NORTH CALIFORNIA H =033 KM MAG 4.20- CGS					
29	MV	eP		08 10 34.3	Z	0.7	19.5 (0)	4.3	4.54
		eS		08 11 25	T	0.7	36.8 (0)		
29	MN	eP		08 11 11.1	Z	0.6	2.1 (0)	7.0	4.19
29	WI	eP		08 11 14.0	Z	0.5	3.2 (0)	7.0	4.45
29	CP	eP		08 12 07.5	Z	0.5	1.6 (0)	11.0	4.51
29	PM	eP		08 13 18.0	Z	1.0	3.4 (0)	17.0	3.46
29	LC	eP		08 13 44.4	Z	1.0	3.7 (0)	19.0	3.60
		eS		08 17 17	LT	18	25.6 (1)		
		eL		08 18 55	LZ	30	15.6 (1)		
								AVG.	4.12
29	08 30 17.0			08.7 S 119.8 E FLORES SEA H =075 KM					
29	MN	eP'		08 48 48.0	Z	0.4	1.0 (0)	120.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	CP	eP	08 32 43.5	Z	0.4	0.9 (0)	4.6	
		eS	08 33 39	T	0.5	4.4 (0)		
29	LC	eP	08 35 12.0	Z	0.5	0.4 (0)		
29	MN	eP	09 07 41.0	Z	0.3	1.8 (0)	0.1	
		eS	09 07 45	R	0.3	12.5 (0)		
29	MN	eP	10 15 05.0	Z	0.9	5.6 (0)		
29	WI	eP	10 15 11.5	Z	0.9	6.6 (0)		
29	LC	eP	10 15 26.5	Z	1.1	6.1 (0)		
29	CP	eP	11 22 11.0	Z	0.2	13.6 (0)	1.8	
		eS	11 22 32	T	999.9	99.9 (9)		
29	LC	e	12 18 05	LR	16	23.4 (1)		
29	SJ	eP	12 38 36.5	Z	0.3	11.7 (0)	1.9	
		eS	12 39 06	R	0.5	11.3 (1)		
29	12 43 47.5		11.6 N 142.7 E MARIANA ISLANDS REGION H =030 KM MAG 5.20- CGS					
29	MV	eP	12 56 33.0	Z	1.5	19.2 (0)	87.0	5.04
29	WI	eP	12 56 44.5	Z	1.0	19.4 (0)	90.0	5.25
29	MN	eP	12 56 45.0	Z	1.1	18.2 (0)	90.0	5.19
29	CP	eP	12 56 58.5	Z	0.7	4.2 (0)	93.0	4.95
29	LC	eP	12 57 35.5	Z	1.0	3.7 (0)	101.0	4.90
							AVG.	5.07
29	13 04 23.5		11.7 N 142.8 E MARIANA ISLANDS H =033 KM MAG 4.90- CGS					
29	MV	eP	13 17 08.5	Z	1.2	5.0 (0)	87.0	4.55
29	WI	eP	13 17 20.7	Z	1.1	9.3 (0)	90.0	4.89
29	MN	eP	13 17 22.1	Z	0.9	5.6 (0)	90.0	4.76
29	CP	eP	13 17 35.0	Z	0.6	1.8 (0)	93.0	4.64
							AVG.	4.71
29	13 14 04.2		46.4 N 153.7 E KURILE ISLANDS H =033 KM MAG 4.70- CGS					
29	MV	eP	13 24 08.0	Z	0.6	1.3 (0)	60.0	4.19
29	WI	eP	13 24 16.0	Z	0.6	1.8 (0)	61.0	4.34
29	MN	eP	13 24 25.0	Z	0.7	1.8 (0)	63.0	4.25
29	PM	eP	13 25 02.3	Z	0.6	2.1 (0)	68.0	4.41

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC	eP	13 25 35.0	Z	1.0	2.5 (0)	74.0	4.13
							AVG.	4.26
29	LC	e	13 16 05	LT	20	99.8 (0)		
29	WI	eL	13 27 21	LZ	23	36.8 (1)		
29	MN	eL	13 27 21	LZ	20	79.8 (0)		
29	WI	eP	13 32 00.0	Z	1.1	2.6 (0)		
29	MN	eP	13 32 02.1	Z	1.4	5.2 (0)		
29	LC	e	13 34 05	LZ	20	12.0 (1)		
29	LC	e	13 37 10	LR	20	18.0 (1)		
29	SJ	eL	13 39 33	LZ	21	29.3 (1)		
29	DH	eL	13 45 20	LZ	21	44.0 (1)		
29	14 20 56.3		46.1 N 153.2 E KURILE ISLANDS REGION H =033 KM MAG 4.40- CGS					
29	MN	eP	14 31 21.0	Z	1.0	2.2 (0)	63.0	4.18
29	LC	eP	15 01 06.5	Z	0.4	1.2 (0)	3.0	
		eS	15 01 44	T	0.5	2.6 (0)		
29	WI	eP	16 43 04.5	Z	0.3	2.3 (0)	1.5	
		eS	16 43 26	R	0.3	2.7 (0)		
29	DH	eP	16 59 34.9	Z	0.3	10.9 (0)	1.6	
		eS	16 59 56	R	0.4	19.8 (0)		
29	MN	eP	17 04 23.7	Z	0.4	1.5 (0)	1.2	
		eS	17 04 41	T	0.4	4.4 (0)		
29	17 38 01.4		11.0 S 163.5 E SOLOMON ISLANDS REGION H =033 KM MAG 4.60- CGS					
29	MV	eP	17 50 38.6	Z	0.6	2.7 (0)	86.0	4.49
29	MN	eP	17 50 49.0	Z	0.9	4.5 (0)	88.0	4.70
29	WI	eP	17 50 55.0	Z	1.0	2.1 (0)	89.0	4.30
							AVG.	4.50
29	18 42 14.8		46.3 N 153.4 E KURILE ISLANDS REGION H =033 KM MAG 4.90- CGS					
29	MV	eP	18 52 21.2	Z	1.1	8.0 (0)	60.0	4.69
29	WI	eP	18 52 28.5	Z	1.1	9.3 (0)	61.0	4.79

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	MN	eP	18 52 38.2	Z	1.1	6.3 (0)	63.0	4.59
29	PM	eP	18 53 14.2	Z	1.5	25.0 (0)	68.0	5.09
29	LC	eP	18 53 47.3	Z	1.5	18.3 (0)	74.0	4.82
							AVG.	4.80
29	WI	eP	18 43 41.5	Z	0.2	4.1 (0)	0.1	
		eS	18 43 45	R	0.2	15.6 (0)		
29	DH	eP	19 08 17.1	Z	5.0	54.2 (2)	1.3	
		eL	19 08 41	R	5.0	23.7 (3)		
29	CP	eP	20 12 15.0	Z	0.5	26.0 (0)	1.1	
		eS	20 12 16	R	0.3	24.3 (0)		
29	20 16 40.6		46.3 N 153.5 E KURILE ISLANDS REGION H =033 KM MAG 4.60- CGS					
29	WI	eP	20 26 54.3	Z	1.0	3.2 (0)	61.0	4.37
29	MN	eP	20 27 04.0	Z	1.0	1.4 (0)	63.0	4.00
29	LC	eP	20 28 13.0	Z	1.5	7.3 (0)	74.0	4.42
							AVG.	4.26
29	MN	eP	20 29 18.5	Z	0.4	1.5 (0)	1.3	
		eS	20 29 37	T	0.4	1.7 (0)		
29	WI	eP	21 05 43.5	Z	0.3	1.9 (0)	3.0	
		eS	21 06 22	R	0.4	3.0 (0)		
29	MN	eP	21 43 35.0	Z	0.9	2.2 (0)		
29	CP	eP	21 53 20.5	Z	0.5	21.6 (0)		
29	CP	eP	22 02 41.0	Z	0.2	4.1 (0)	0.8	
		eS	22 02 52	T	0.2	15.4 (0)		
29	WI	eP	22 14 20.5	Z	0.7	3.2 (0)		
29	MN	eP	22 20 34.5	Z	0.6	1.8 (0)		
29	MN	eP	22 39 27.7	Z	0.4	0.5 (0)	0.1	
		eS	22 39 30	R	0.4	3.1 (0)		
29	WI	eP	22 50 34.5	Z	999.9	99.9 (9)	0.2	
		eS	22 50 40	R	999.9	99.9 (9)		
29	23 00 09.*		16.8 S 172.9 W TONGA ISLANDS REGION H =033 KM MAG 4.50- CGS					
30	00 05 46.7		35.4 N 23.7 E MEDITERRANEAN SEA H =033 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	00 42 23.1		46.5 N 153.4 E KURILE ISLANDS REGION H =033 KM MAG 4.50- CGS					
30	WI	eP	00 52 36.0	Z	1.1	4.0 (0)	61.0	4.42
30	MN	eP	00 52 48.0	Z	1.0	2.4 (0)	62.0	4.32
30	PM	eP	00 53 23.0	Z	1.2	7.9 (0)	68.0	4.68
30	LC	eP	00 53 57.0	Z	1.1	3.0 (0)	73.0	4.24
30	DH	eP	00 54 40.0	Z	0.5	3.8 (0)	82.0	4.68
							AVG.	4.47
30	01 39 05.4		11.8 N 142.5 E MARIANA ISLANDS REGION H =033 KM MAG 4.60- CGS					
30	WI	eP	01 52 03.1	Z	0.8	2.5 (0)	90.0	4.47
		eLR	02 21 23	LT	20	20.8 (1)		
30	MN	eP	01 52 03.2	Z	1.0	3.2 (0)	90.0	4.48
30	LC	eL	02 27 30	LZ	22	59.9 (0)	101.0	
							AVG.	4.47
30	MV	eP	01 41 57.4	Z	0.3	21.1 (0)	0.8	
		eS	01 42 08	R	0.3	9.6 (0)		
30	MN	eP	01 42 16.1	Z	0.3	4.6 (0)	2.0	
		eS	01 42 42	R	0.3	8.5 (0)		
30	WI	eP	01 45 38.0	Z	0.2	7.7 (0)	0.7	
		eS	01 45 48	R	0.2	16.8 (0)		
30	MN	eP	01 48 03.3	Z	0.3	0.8 (0)	3.6	
30	CP	eP	01 48 11.0	Z	0.2	1.5 (0)	3.6	
30	WI	eP	01 48 52.0	Z	0.3	1.1 (0)	6.0	
30	CP	eS	01 48 56	T	0.3	2.7 (0)	3.6	
30	MN	eS	01 48 58	R	0.4	4.1 (0)	3.6	
30	LC	eP	01 49 29.0	Z	1.0	2.5 (0)	101.0	
30	WI	eS	01 50 03	R	1.0	11.0 (0)	6.0	
30	LC	e	01 51 12	Z	0.8	1.4 (0)	101.0	
30	MV	eP	02 01 27.0	Z	1.0	3.2 (0)		
30	02 04 36.9		21.9 S 170.8 E LOYALTY ISLANDS REGION H =073 KM MAG 4.70- CGS					
30	MV	eP	02 17 19.0	Z	1.0	4.9 (0)	88.0	4.57
30	MN	eP	02 17 28.8	Z	1.5	14.5 (0)	90.0	4.91
30	WI	eP	02 17 37.0	Z	1.0	4.3 (0)	92.0	4.73
		e	02 17 56	Z	1.0	2.1 (0)		
30	LC	eLR	02 49 45	LZ	30	17.2 (1)	96.0	
							AVG.	4.74

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	MN	eP	02 57 22.0	Z	0.2	0.7 (0)	0.1	
30	SJ	eP	03 07 01.6	Z	0.6	8.6 (0)		
30	03 59 15.4		36.5 N 70.5 E	HINDU KUSH				
			H =200 KM MAG	4.40-	CGS			
30	CP	eP	04 10 21.5	Z	0.2	6.2 (0)	1.7	
		eS	04 10 45	R	0.3	7.7 (0)		
30	04 19 17.0		11.7 N 142.6 E	MARIANA ISLANDS REGION				
			H =033 KM MAG	4.70-	CGS			
30	MV	eP	04 32 03.0	Z	1.0	3.2 (0)	87.0	4.45
30	MN	eP	04 32 16.4	Z	0.9	4.4 (0)	90.0	4.65
30	CP	eP	04 32 30.0	Z	0.9	5.0 (0)	93.0	4.91
							AVG.	4.67
30	LC	eLR	05 12 50	LZ	17	59.8 (0)		
30	05 18 09.7		64.4 N 146.9 W	CENTRAL ALASKA				
			H =027 KM MAG	4.50-	CGS			
30	MV	eP	05 24 10.1	Z	1.0	16.4 (0)	29.0	4.76
		ePCP	05 27 15	Z	0.8	2.9 (0)		
30	MN	eP	05 24 27.4	Z	0.7	6.1 (0)	31.0	4.58
		ePCP	05 27 21	Z	1.0	4.1 (0)		
30	PM	eP	05 24 46.6	Z	1.0	8.6 (0)	33.0	4.58
		ePP	05 26 05	Z	1.0	1.7 (0)		
		eL	05 35 45	LR	15	21.2 (1)		
		eL	05 38 40	LZ	15	29.2 (1)		
30	CP	eP	05 25 17.2	Z	0.9	12.6 (0)	37.0	4.70
30	LC	eP	05 25 46.9	Z	0.7	1.2 (0)	40.0	3.70
30	SJ	eP	05 26 48.0	Z	0.8	18.4 (0)	48.0	5.18
							AVG.	4.58
30	CP	eP	05 20 54.5	Z	0.2	19.5 (0)	0.6	
		eS	05 21 03	Z	0.2	34.4 (0)		
30	06 45 36.8		02.5 S 102.4 E	SUMATRA				
			H =160 KM MAG	5.50-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	MN	eP'	07 04 15.2	Z	0.7	0.8 (0)	128.0	
		e	07 04 26	Z	1.0	8.2 (0)		
		epP'	07 05 12	Z	1.0	4.1 (0)		
		ePP	07 06 23	Z	1.5	9.6 (0)		
30	MV	eP'	07 04 21.0	Z	0.9	30.3 (0)	126.0	
		epP'	07 05 05	Z	1.0	6.5 (0)		
30	CP	eP'	07 04 29.0	Z	0.9	3.7 (0)	133.0	
		eSKP	07 07 42	Z	1.0	4.9 (0)		
30	PM	eP'	07 04 35.9	Z	1.0	32.4 (0)	134.0	
		epP'	07 05 20	Z	1.0	5.1 (0)		
		ePP	07 07 06	Z	1.0	5.1 (0)		
		epPP	07 07 48	Z	1.2	7.9 (0)		
		esPP	07 08 06	T	1.0	6.6 (0)		
		esPKS	07 08 53	T	1.0	3.3 (0)		
30	LC	eP'	07 04 39.0	Z	0.7	1.8 (0)	140.0	
		e	07 06 27	Z	0.8	2.9 (0)		
		ePP	07 07 35	Z	1.0	2.5 (0)		
		eSKP	07 08 04	Z	1.0	8.7 (0)		
		eSKKP	07 16 42	Z	1.0	2.5 (0)		
30	DH	eP'	07 04 39.0	Z	0.7	5.0 (0)	140.0	
30	SJ	eP'	07 05 03.0	Z	0.8	12.3 (0)	148.0	
		epP'	07 06 07	Z	0.9	11.9 (1)		
30	CP	eP	07 15 10.0	Z	0.2	4.6 (0)	0.8	
		eS	07 15 21	R	0.3	12.8 (0)		
30	07 38 57.9		47.1 N 152.4 E	KURILE ISLANDS REGION				
			H =079 KM MAG	4.10-	CGS			
30	07 41 08.2		33.3 N 49.1 E	WESTERN IRAN				
			H =040 KM MAG	5.00-	CGS			
30	LC	eP	08 10 34.0	Z	1.0	2.5 (0)		
30	CP	eP	09 27 22.5	Z	0.2	2.3 (0)	0.7	
		eS	09 27 33	T	0.2	18.4 (0)		
30	CP	eP	10 41 20.0	Z	0.2	3.9 (0)	0.8	
		eS	10 41 31	R	0.3	8.9 (0)		
30	11 09 49.0		07.2 S 75.2 W	CENTRAL PERU				
			H =033 KM MAG	4.30-	CGS			
30	LC	eP	11 18 37.5	Z	0.9	0.9 (0)	49.0	3.79

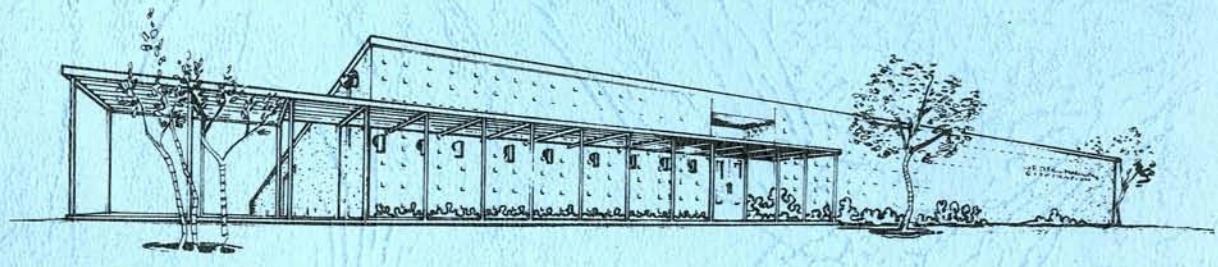
DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	DH	eP	11 18 40.0	Z	0.9	7.8 (0)	49.0	4.70
30	MN	eP	11 20 10.5	Z	1.0	2.4 (0)	60.0	4.22
							AVG.	4.24
30	12 43 51.1		08.2 S 77.5 W CENTRAL PERU					
			H =033 KM MAG 4.10- CGS					
30	MN	eP	12 53 56.4	Z	1.0	2.4 (0)	60.0	4.22
30	LC	eP	12 48 17.2	Z	1.0	3.7 (0)		
30	LC	e	12 52 57.5	Z	1.0	2.5 (0)		
30	DH	eP	13 10 38.5	Z	0.5	3.8 (0)		
30	CP	eP	13 20 56.3	Z	0.3	5.8 (0)	1.2	
		eS	13 21 11	R	0.2	17.1 (0)		
30	MN	eP	15 18 32.3	Z	0.3	1.1 (0)	1.8	
		eS	15 19 07	T	0.3	2.7 (0)		
30	15 33 53.4		07.4 N 72.9 W NORTHERN COLOMBIA					
			H =103 KM MAG 3.80- CGS					
30	LC	eP	15 41 20.3	Z	0.7	1.8 (0)	40.0	4.01
		e	15 41 54	Z	0.9	4.8 (0)		
30	16 31 15.1		46.7 N 153.2 E KURILE ISLANDS REGION					
			H =033 KM MAG 4.20- CGS					
30	MN	eP	16 41 48.2	Z	1.2	3.7 (0)	62.0	4.43
30	DH	eP	16 37 04.0	Z	0.3	3.6 (0)	5.0	
		eS	16 38 04	T	0.5	3.5 (0)		
30	DH	eP	17 48 34.0	Z	0.2	4.8 (0)	2.7	
		eS	17 49 09	R	0.3	3.4 (0)		
30	22 04 52.8		46.5 N 153.3 E KURILE ISLANDS REGION					
			H =033 KM MAG 4.90- CGS					
30	MV	eP	22 14 57.7	Z	0.9	2.5 (0)	60.0	4.28

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	22 23 08	LR	23	51.4 (1)		
		eLR	22 33 00	LZ	25	44.0 (1)		
30	MN	eP	22 15 15.5	Z	1.0	5.7 (0)	63.0	4.59
		e	22 23 43	LT	18	53.3 (1)		
		e	22 25 14	LT	18	58.4 (1)		
		eLR	22 30 55	LT	30	99.9 (9)		
30	LC	eP	22 16 24.5	Z	1.1	4.6 (0)	74.0	4.35
		eP	22 16 30	LZ	16	11.2 (1)		
		eS	22 25 58	LR	17	39.1 (1)		
		eSS	22 30 30	LT	18	23.3 (1)		
		eLQ	22 36 15	LT	30	81.6 (1)		
		eL	22 37 40	LZ	16	10.3 (2)		
		eL	22 37 40	LR	22	18.3 (1)		
		eL	22 37 40	LT	29	78.7 (1)		
							AVG.	4.41

Bulletin No. 19
July 1963

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No:	VT/4051
ARPA Order No:	104-60
ARPA Code No:	8100
Contractor:	The Geotechnical Corporation Garland, Texas
Contract No:	AF 33(657)-12145

Bulletin No. 19
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SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at ten of the forty mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/4051, Contract AF 33(657)-12145, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the forty teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM sites consists of a three-component Benioff short-period seismograph system and a three-component Sprengnether long-period seismograph system. During July, LV LA was setting up their long-period system and were operational only with the short-period system.

BR PA was operational with the short-period system and long-period vertical only, during July. Both systems use phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by fourteen-channel Magnetic Tape Recorders, Ampex Model 314.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G. C. T.).

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table:

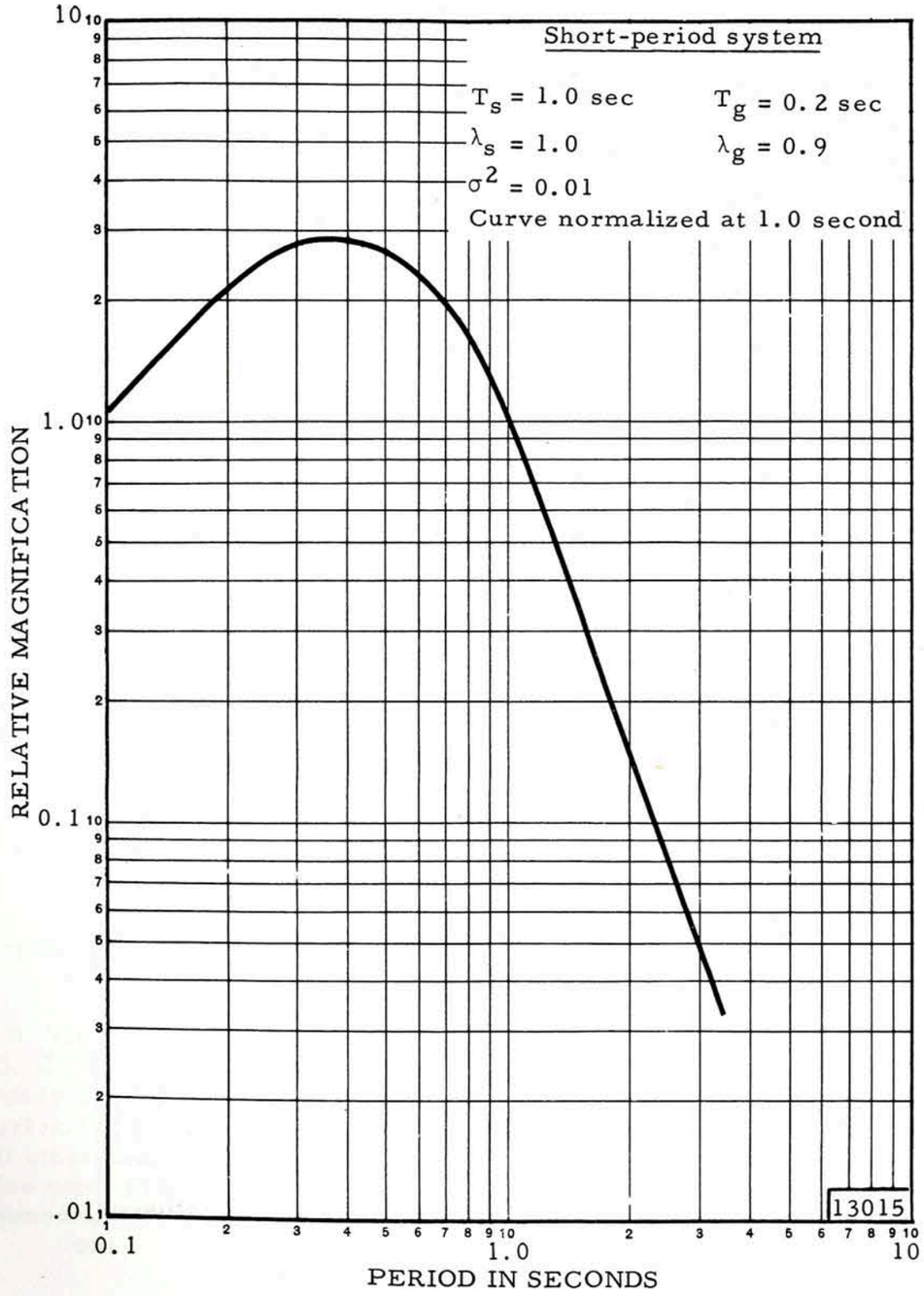


Figure 1. Frequency response of the short-period seismograph system

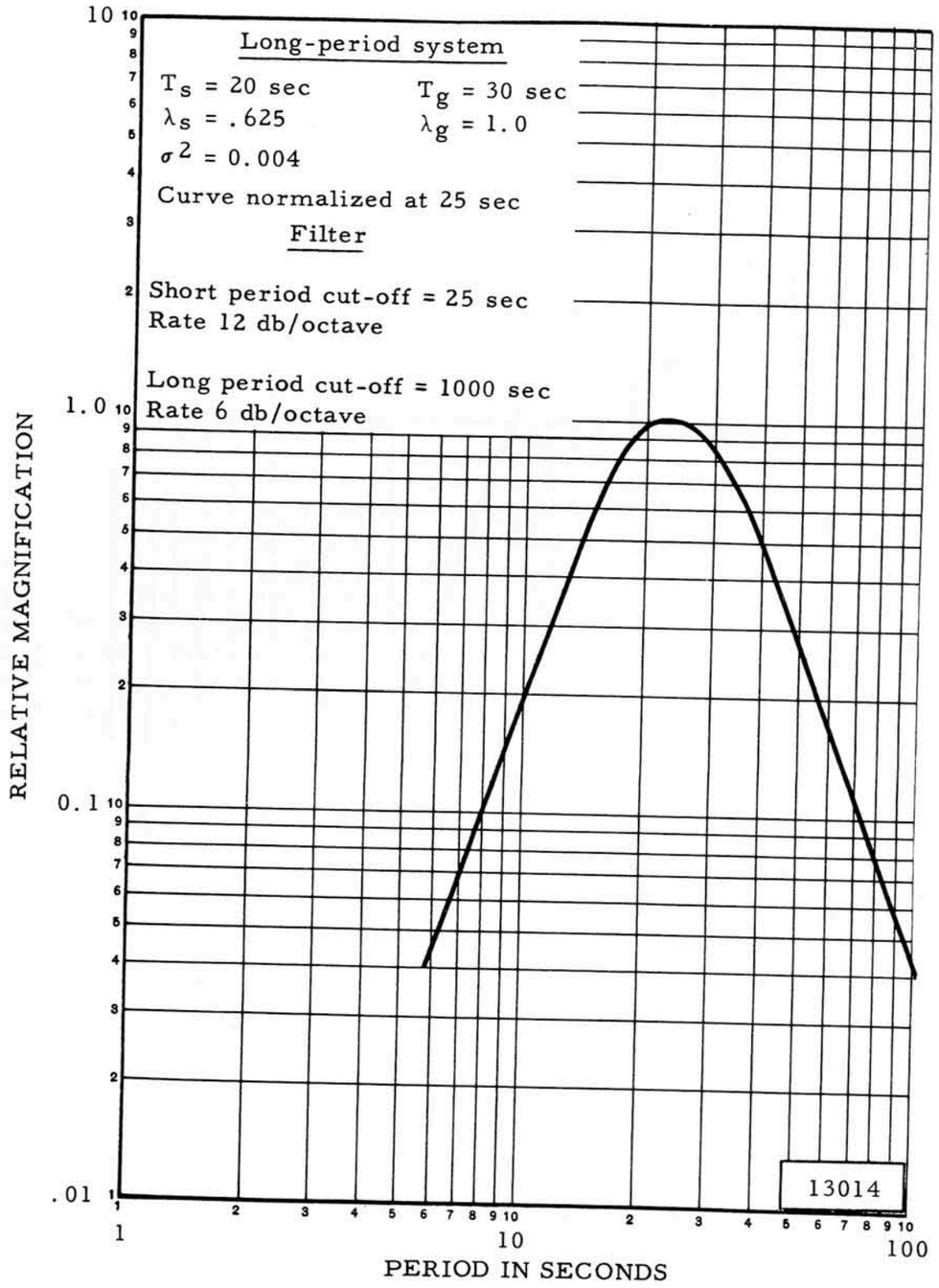


Figure 2. Frequency response of the long-period seismograph system

Site Code	Site Designation
MV	Marysville, California
LC	Las Cruces, New Mexico
DH	Delhi, New York
LV	Liddieville, Louisiana
WI	Winnemucca, Nevada
MN	Mina, Nevada
CP	Campo, California
DR	Durango, Colorado
BL	Beckley, West Virginia
BR	Berlin, Pennsylvania

The locations of the stations are shown in figure 3.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (G. C. T.). Arrival times indicate that time at which phase motion is first detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

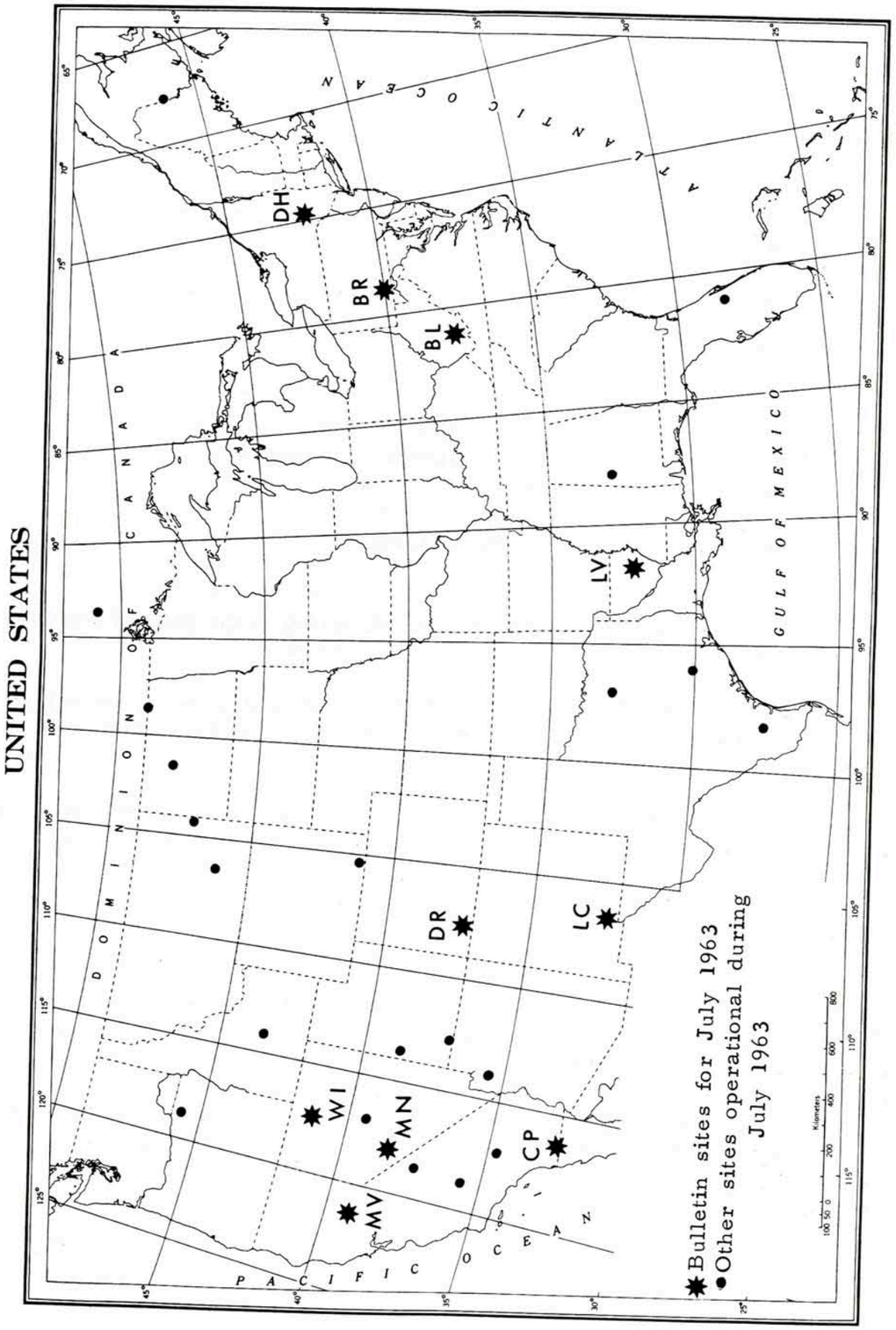


Figure 3. LRSM program sites

Z	Short-Period Vertical
R*	Short-Period Radial (horizontal)
T*	Short-Period Transverse (horizontal)
LZ	Long-Period Vertical
LR*	Long-Period Radial (horizontal)
LT*	Long-Period Transverse (horizontal)

* Table 1 gives the instrument orientation of the horizontal seismometers.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

3.7 AMP This column contains the amplitude of the phase given in millimicrons of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$30.0\ (2) = 30 \times 10^{2} = 3000\ m\mu$
$30.0\ (1) = 30 \times 10^{1} = 300\ m\mu$
$30.0\ (0) = 30 \times 10^{0} = 30.0\ m\mu$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

3.8 DIST This is the distance from the recording station to the epicenter. All reported distances are calculated based on geocentric coordinates. Distance is given to the nearest 1/10 of a degree for distances up to six degrees. Beyond six degrees calculations are made to the nearest one degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases, the major arc distance is given.

TABLE 1

LRSM SITE INFORMATION

Horizontal seismometer orientation

Site Code	Site Designation	Azimuth from True North in Degrees* Radial	Transverse	Site Coordinates in deg, min, sec	Elevation in km	Rock Type
DR CO	Durango, Colorado	090	180	N 37 27 53 W 107 47 00	2.22	Granite
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58	1.58	Limestone
CP CL	Campo, California	182	272	N 32 43 44 W 116 22 16	1.19	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35	0.18	Volcanics
WI NV	Winnemucca, Nevada	346	076	N 41 21 02 W 117 27 30	1.52	Limestone
MN NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.52	Limestone
LV LA	Liddieville, Louisiana	111	201	N 32 08 10 W 91 52 30	0.01	Alluvium
BL WV	Beckley, West Virginia	100	190	N 37 47 56 W 81 18 36	0.61	Sandstone
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18	0.65	Sandstone
BR PA	Berlin, Pennsylvania	097	187	N 39 55 27 W 78 50 41	0.66	Sandstone

*When earth moves in direction shown, trace moves up.

3.9 MAG The magnitudes provided are body wave magnitudes, m_b, as defined by Gutenberg and Richter.[1] They are determined only from the short-period vertical component of the "P" phase (initial arrival). The following equation is used:

$$m_b = \log_{10} (A/T) + Q$$

where:

m_b = body wave magnitude

A = 1/2 P-P earth amplitude of "P" phase, in microns

T = Period of "P" phase, in seconds

Q = Depth-distance factor for PZ given by Gutenberg and Richter[1], for distances greater than 16°.

Magnitude computations for distances less than 16° are based on AFTAC extensions of the "Q" tables. Points from 10° to 16° were read from a curve in the Gutenberg-Richter paper, and an inverse cube relationship was used to extrapolate from 2° to 10°.

The average magnitude (sum of station magnitudes/number of stations) is listed on the last line of an epicenter print-out.

When possible, magnitudes are computed for foreshocks and aftershocks as well as for the main event.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

[1] Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Amn. Geofis., 9, pp. 1-15.

The notation AS located between these columns calls attention to an after-shock recorded following the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

Line 1 (from left to right)

First group:	day of the month
Second group:	origin time of the event
Third group:	geographic coordinates of the epicenter
Fourth group:	geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to $1/2^{o}$ in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group:	depth (h) of the hypocenter in kilometers
Second group:	magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), Palisades (PAL), or USC&GS (CGS)

NOTE

MAG. (CGS) is m_b of Gutenberg and Richter from the P phase only. The Magnitude quoted is an average value determined from data forwarded by cooperating Standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC)
VELA Seismological Center
Washington 25, D. C.
ATTN: Major N. G. Maddox

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	CP	eP	02 48 56.2	Z	0.2	2.7 (0)	1.1	
		eS	02 49 12	T	0.3	10.3 (0)		
1	WI	eP	03 11 13.7	Z	0.3	0.7 (0)	1.8	
		eS	03 11 38	R	0.4	1.9 (0)		
1	04 03 42.9		17.4 S 167.6 E NEW HEBRIDES ISLANDS H =033 KM MAG 4.20- CGS					
1	MV	eP	04 16 31.4	Z	0.9	3.8 (0)	87.0	4.56
1	WI	eP	04 16 45.7	Z	0.8	1.2 (0)	91.0	4.27
		eL	04 45 12	LZ	31	11.8 (1)		
1	MV	eL	04 43 35	LZ	35	17.8 (1)	87.0	
1	LC	eLR	04 48 15	LZ	28	71.5 (0)	96.0	
1	DR	eL	04 48 50	LZ	23	12.3 (1)	96.0	
1	DH	eL	05 05 10	LZ	24	14.1 (1)	122.0	
1	BL	eL	05 15 30	LZ	17	14.3 (1)	117.0	
							AVG.	4.41
1	DH	eP	05 42 52.0	Z	1.0	9.9 (0)		
1	06 31 27.*		25.7 S 179.1 E FIJI ISLANDS REGION H =583 KM MAG 4.10- CGS					
1	CP	eP	06 43 02.0	Z	0.8	4.3 (0)	85.0	4.13
1	MV	eP	06 43 04.3	Z	0.8	1.9 (0)	85.0	3.78
1	WI	eP	06 43 21.9	Z	0.8	3.2 (0)	89.0	4.20
							AVG.	4.04
1	CP	eP	07 25 54.1	Z	0.2	8.3 (0)	0.3	
		eS	07 25 59	R	0.2	16.9 (0)		
1	CP	eP	08 37 33.1	Z	0.2	0.6 (0)	1.4	
		eS	08 37 52	T	0.3	4.6 (0)		
1	09 20 12.5		29.9 N 141.3 E SOUTH OF HONSHU, JAPAN H =075 KM MAG 4.30- CGS					
1	WI	eP	09 32 07.3	Z	0.9	1.6 (0)	79.0	3.92
1	CP	eP	09 45 35.7	Z	0.2	5.5 (0)	1.1	
		eS	09 45 44	R	0.2	18.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	DH	eL	10 47 20	LZ	20	19.0 (1)		
1	BL	eP	10 47 59.5	Z	0.7	10.0 (0)		
1	WI	eL	10 50 40	LT	25	36.6 (1)		
1	BL	eL	10 53 00	LT	15	23.0 (1)		
1	MV	eL	10 58 25	LR	25	24.5 (1)		
1	DR	eL	11 00 33	LZ	17	19.0 (1)		
1	LC	eLR	11 01 10	LZ	22	45.7 (0)		
1	CP	eP	11 10 12.1	Z	0.2	2.0 (0)	1.3	
		eS	11 10 23	T	0.2	22.7 (0)		
1	BR	eP	14 15 44.6	Z	0.3	4.8 (0)	0.8	
		eS	14 15 56	R	0.4	8.0 (0)		
1	CP	eP	14 58 38.7	Z	0.2	4.1 (0)	0.1	
		eS	14 58 42	T	0.2	17.8 (0)		
1	CP	eP	15 18 45.7	Z	0.2	6.2 (0)	0.8	
		eS	15 18 56	R	0.3	11.1 (0)		
1	BR	eP	16 14 10.7	Z	0.4	4.6 (0)	0.2	
		eS	16 14 16	T	0.4	37.1 (0)		
1	17 53 12.*		20.8 S 169.2 E LOYALTY ISLANDS H =033 KM MAG 4.70- CGS					
1	MV	eP	18 06 04.7	Z	1.0	3.3 (0)	88.0	4.52
1	WI	eP	18 06 21.2	Z	0.7	1.0 (0)	92.0	4.29
1	BR	eL	18 57 25	LZ	18	16.3 (1)	120.0	
							AVG.	4.40
1	BL	eP	17 58 58.2	Z	0.3	7.1 (0)	0.4	
		eS	17 59 02	T	0.3	66.2 (0)		
1	BL	eP	18 27 12.0	Z	0.7	10.0 (0)		
1	BR	eP	18 44 16.3	Z	0.6	9.9 (0)		
1	BL	eP	18 47 36.5	Z	0.7	10.0 (0)		
1	BL	e	18 52 48	Z	0.8	11.9 (0)		
1	BR	eP	19 12 23.2	Z	0.4	25.8 (0)	0.1	
		eS	19 12 27	R	0.4	99.9 (9)		
1	DR	eP	19 33 23.8	Z	0.3	0.8 (0)	1.5	
		eS	19 33 44	T	0.3	1.7 (0)		
1	DH	eP	19 59 28.2	Z	0.2	56.8 (0)	0.8	
		eS	19 59 40	T	0.3	52.2 (0)		
1	BR	eP	20 01 16.2	Z	0.4	5.2 (0)	1.1	
		eS	20 01 33	R	0.4	15.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	20	19 40.6	04.7 S 103.7 E OFF COAST OF SUMATRA H =091 KM					
1	BR	eP'	20 39 08.6	Z	0.6	15.6 (0)	145.0	
1	DR	eSKP	20 42 22	Z	1.5	11.0 (0)	137.0	
1	BR	eP	20 22 13.8	Z	0.4	11.7 (0)	0.1	
		eS	20 22 18	T	0.4	23.1 (0)		
1	21	10 28.5	37.0 N 96.1 E TSINGHAI PROVINCE, CHINA H =033 KM MAG 5.30- CGS					
1	WI	eP	21 17 08.3	Z	0.6	1.3 (0)	96.0	4.66
		e	21 23 56	Z	1.3	8.4 (0)		
1	DR	eP	21 24 31.6	Z	1.0	2.5 (0)	103.0	4.93
							AVG.	4.79
1	BL	eP	21 30 22.4	Z	0.3	28.7 (0)	0.1	
		eS	21 30 25	T	0.3	10.3 (1)		
1	BR	eP	21 44 18.5	Z	0.3	1.8 (0)	0.7	
		eS	21 44 28	T	0.4	4.6 (0)		
1	BL	eP	21 58 05.3	Z	0.3	28.7 (0)	0.1	
		eS	21 58 08	T	0.3	99.9 (9)		
1	CP	eP	22 29 20.1	Z	0.3	5.1 (0)	0.3	
		eS	22 29 28	T	0.4	14.9 (0)		
1	WI	eP	22 38 46.7	Z	0.3	2.3 (0)	0.7	
		eS	22 38 57	R	0.3	4.9 (0)		
1	22	39 57.8	46.5 N 153.6 E KURILE ISLANDS H =069 KM MAG 4.50- CGS				431	
1	WI	eP	22 50 06.2	Z	0.6	1.8 (0)	61.0	4.31
1	DR	eP	22 50 59.5	Z	0.7	1.2 (0)	69.0	3.97
		e	22 51 10	Z	0.8	5.2 (0)		
1	DH	eP	22 52 09.5	Z	0.8	5.8 (0)	82.0	4.55
1	BR	eP	22 52 11.5	Z	1.0	3.4 (0)	82.0	4.22
							AVG.	4.26
1	DR	eP	22 43 17.6	Z	0.9	1.9 (0)		
1	CP	eP	23 13 30.3	Z	0.3	4.1 (0)	0.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	23 13 36	T	0.4	9.9 (0)		
1	DR	eP	23 51 02.1	Z	0.4	0.8 (0)		
1	WI	iP	23 51 04.2D	Z	0.4	1.8 (0)	6.1	
1	DR	eL	23 52 18	R	0.7	3.0 (0)		
1	WI	eS	23 52 18	T	0.6	2.7 (0)	6.1	
2	00	15 22.4	43.9 N 85.2 E SINKIANG PROVINCE, CHINA H =039 KM MAG 4.40- CGS					
2	MN	eP	00 28 50.7	Z	0.7	0.8 (0)	95.0	4.30
2	DR	eL	01 09 05	LZ	26	10.0 (1)	98.0	
2	LC	eLQ	01 10 00	LR	26	28.3 (1)	103.0	
		eLR	01 13 47	LZ	24	54.1 (0)		
2	LC	eP	00 24 53.0	Z	0.7	1.2 (0)		
2	BL	eP	00 33 14.2	Z	0.7	14.6 (0)		
2	BR	eP	00 33 18.5	Z	0.3	1.8 (0)		
2	LC	eP	00 35 13.8	Z	1.0	5.0 (0)		
2	MV	eP	00 35 36.5	Z	0.7	2.4 (0)		
2	WI	eP	00 36 33.9	Z	0.7	5.6 (0)		
2	BR	eP	00 37 20.0	Z	0.3	1.2 (0)	1.1	
2	BL	e	00 37 25	T	0.8	51.9 (0)		
2	BR	eS	00 37 36	R	0.6	10.8 (0)	1.1	
2	DH	eP	00 37 42.5	Z	0.2	4.6 (0)	0.5	
		eS	00 37 46	R	0.4	12.9 (0)		
2	WI	eP	01 34 14.2	Z	0.2	16.8 (0)	0.1	
		eS	01 34 18	R	0.3	10.3 (0)		
2	01	39 19.3	46.2 N 153.4 E KURILE ISLANDS H =033 KM MAG 4.00- CGS					
2	02	52 53.0	02.4 S 77.8 W ECUADOR H =033 KM MAG 4.60- CGS					
2	BR	eP	03 00 46.8	Z	0.8	2.0 (0)	42.0	3.93
		eL	03 15 30	LZ	22	25.8 (1)		
2	LC	eP	03 01 00.5	Z	0.9	5.7 (0)	44.0	4.30
		e	03 01 58	Z	1.0	2.5 (0)		
		eL	03 11 19	LZ	19	88.4 (0)		
2	DR	eP	03 01 34.5	Z	1.1	6.3 (0)	48.0	4.56
		e	03 02 39	Z	1.2	5.9 (0)		
		eL	03 14 30	LZ	17	12.5 (1)		
2	MN	eP	03 02 24.9	Z	1.2	6.9 (0)	55.0	4.56

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	03 02 52	Z	1.3	13.8 (0)		
		eL	03 22 25	LZ	24	26.0 (1)		
2	WI	eP	03 02 34.2	Z	0.8	1.3 (0)	57.0	4.02
		eLQ	03 20 13	LT	30	53.1 (1)		
		eLR	03 23 05	LZ	24	32.1 (1)		
2	MV	eP	03 02 41.4	Z	1.0	1.6 (0)	58.0	4.02
2	DH	eLQ	03 12 30	LR	22	45.7 (1)	45.0	
		eLR	03 17 17	LZ	25	46.7 (1)		
							AVG.	4.23
2	02 52 55.8		64.0 N 148.4 W CENTRAL ALASKA H =033 KM MAG 4.00- CGS					
2	MN	eP	02 59 14.9	Z	0.8	2.1 (0)	31.0	4.05
2	BL	eL	03 10 35	LZ	22	22.3 (1)	40.0	
2	LC	eP	02 54 18.1	Z	0.8	1.4 (0)		
2	WI	eP	05 10 41.9	Z	0.2	0.5 (0)	0.8	
		eS	05 10 55	T	0.4	3.0 (0)		
2	06 02 13.7		51.5 N 159.1 E OFF E. COAST OF KAMCHATKA H =033 KM MAG 4.30- CGS					
2	WI	eP	06 11 49.2	Z	0.7	1.1 (0)	55.0	4.01
		e	06 12 12	Z	0.8	1.3 (0)		
2	MN	eP	06 12 08.4	Z	1.2	4.1 (0)	57.0	4.33
		eL	06 35 12	LZ	16	29.5 (1)		
2	MV	eL	06 35 55	LZ	17	14.0 (1)	55.0	
2	DH	eL	06 42 00	LR	19	18.0 (1)	76.0	
							AVG.	4.17
2	06 30 13.8		30.7 N 114.2 W GULF OF CALIFORNIA H =033 KM MAG 4.20- CGS					
2	CP	eP	06 30 53.5	Z	0.6	2.4 (0)	2.7	
		e	06 31 02	Z	0.4	5.0 (0)		
		eL	06 31 35	R	0.5	37.6 (0)		
2	LC	eP	06 31 50.0	Z	0.6	2.0 (0)	7.0	4.17
		eL	06 33 36	LZ	17	27.0 (1)		
		eL	06 33 52	R	0.7	7.4 (0)		
2	DR	eP	06 32 27.6	Z	0.8	1.5 (0)	9.0	
		eL	06 34 49	R	0.8	3.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	WI	eP	06 32 53.5	Z	0.8	1.3 (0)	11.0	4.23
		eL	06 36 10	LT	16	42.6 (1)		
							AVG.	4.20
2	MN	eP	06 32 55.0	Z	1.0	3.5 (0)		
2	MN	eL	06 34 59	Z	1.2	5.5 (0)		
2	WI	eP	07 22 50.6	Z	0.3	0.4 (0)	1.7	
		eS	07 23 15	R	0.4	1.1 (0)		
2	MV	eL	08 00 00	LR	22	38.8 (1)		
2	08 02 54.1		39.8 N 104.7 W COLORADO H =015 KM MAG 4.60- CGS					
2	DR	eP	08 03 49.9	Z	0.5	6.8 (0)	3.5	3.93
		e	08 03 54	Z	0.5	22.3 (0)		
		eL	08 04 37	R	0.5	30.9 (0)		
		eL	08 04 41	LZ	18	49.0 (1)		
2	WI	eP	08 05 17.6	Z	0.6	1.9 (0)	10.0	4.69
		eL	08 08 01	T	0.8	5.9 (0)		
		eL	08 08 07	LR	15	78.9 (1)		
2	MN	eP	08 05 40.0	Z	0.7	0.8 (0)	11.0	4.21
		eL	08 08 25	T	0.9	2.4 (0)		
2	BL	eP	08 07 13.0	Z	0.5	7.3 (0)	18.0	4.08
		eL	08 12 34	T	0.7	19.3 (0)		
		eL	08 12 50	LT	12	86.7 (1)		
2	BR	eP	08 07 30.0	Z	0.5	1.2 (0)	20.0	3.42
		eL	08 13 20	T	1.2	53.0 (0)		
		eL	08 15 00	LZ	11	78.2 (1)		
							AVG.	4.07
2	LC	eP	08 05 11.0	Z	0.6	1.0 (0)		
2	LC	eL	08 06 49	R	0.7	14.9 (0)		
2	LC	eL	08 06 50	LZ	17	88.9 (1)		
2	LV	eP	08 07 01.7	Z	0.7	20.9 (0)		
2	LV	eL	08 09 58	T	0.8	80.6 (0)		
2	DH	eP	08 13 02.5	Z	0.6	4.1 (0)		
2	DH	e	08 14 40	T	1.0	19.7 (0)		
2	09 46 35.8		07.8 S 109.0 E JAVA H =117 KM MAG 5.10- CGS					
2	LC	ePD	10 04 21.9	Z	1.0	3.7 (0)	139.0	
2	MV	eP	10 05 26.8	Z	0.7	1.6 (0)	125.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	WI	eP	10 05 31.1	Z	1.2	5.2 (0)	127.0	
2	DH	eP	10 06 03.7	Z	0.8	29.1 (0)	146.0	
2	BR	eP#1	10 06 09.2	Z	0.7	9.3 (0)	147.0	
		eP#2	10 06 27	Z	0.7	9.3 (0)		
2	BL	eP#1	10 06 12.8	Z	0.6	8.1 (0)	149.0	
		eP#2	10 06 13	Z	0.7	9.7 (0)		
2	BL	eP	10 28 34.2	Z	0.2	4.6 (0)	1.2	
		eS	10 28 50	T	0.4	10.0 (0)		
2	CP	eP	12 01 16.7	Z	0.5	1.1 (0)		
2	MN	eP	12 01 18.1	Z	0.6	0.7 (0)		
2	12 34 34.0		42.9 N 126.2 W OFF COAST OF OREGON H =033 KM MAG 4.10- CGS					
2	WI	eP	12 36 21.0	Z	0.7	0.5 (0)	7.0	3.54
		eL	12 38 40	LT	21	23.5 (1)		
2	MN	eP	12 36 31.2	Z	1.0	3.5 (0)	8.0	4.35
		eL	12 38 55	LZ	21	20.9 (1)		
2	MV	eL	12 37 20	LZ	18	34.2 (1)	5.2	
2	DR	eL	12 42 40	LZ	24	12.2 (1)	15.0	
2	LC	eL	12 44 25	LZ	31	13.4 (1)	19.0	
							AVG.	3.95
2	CP	eP	12 54 50.9	Z	0.2	5.5 (0)	1.1	
		eS	12 55 05	R	0.2	23.9 (0)		
2	13 27 34.3		14.7 S 70.5 W SOUTHERN PERU H =159 KM MAG 3.90- CGS					
2	BR	eP	13 32 48.5	Z	0.2	1.6 (0)	0.5	
		eS	13 32 56	T	0.4	20.3 (0)		
2	15 03 09.6		45.7 N 149.1 E KURILE ISLANDS H =033 KM					
2	WI	eP	15 13 42.2	Z	0.6	0.9 (0)	64.0	4.10
2	WI	eP	15 08 26.3	Z	0.2	8.7 (0)	0.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	15 08 30	R	0.3	13.6 (0)		
2	BR	eP	15 22 21.4	Z	0.3	2.4 (0)	0.8	
		eS	15 22 33	R	0.3	20.2 (0)		
2	BR	eP	16 31 50.0	Z	0.3	3.0 (0)	0.1	
		eS	16 31 55	R	0.5	13.3 (0)		
2	DH	eP	16 33 50.0	Z	0.2	4.6 (0)	0.8	
		eS	16 34 02	R	0.3	13.4 (0)		
2	WI	eP	16 53 34.0	Z	0.3	0.8 (0)	1.7	
		eS	16 53 57	R	0.4	1.5 (0)		
2	BL	eP	17 15 56.7	Z	0.2	41.9 (0)	0.3	
		eS	17 16 02	T	0.3	62.6 (0)		
2	18 05 33.7		09.0 N 83.0 W PANAMA COSTA RICA BORDER H =064 KM MAG 4.20- CGS					
2	BL	eP	18 10 23.7	Z	1.1	24.1 (0)	29.0	4.81
2	MN	eP	18 13 30.4	Z	1.0	4.4 (0)	43.0	4.15
2	WI	eP	18 13 40.7	Z	1.0	4.5 (0)	44.0	4.16
2	BR	eL	18 24 38	LZ	14	26.9 (1)	31.0	
							AVG.	4.37
2	BR	eP	19 08 55.2	Z	0.3	8.5 (0)	0.2	
		eS	19 09 00	T	0.3	30.0 (0)		
2	BR	eP	19 16 27.2	Z	0.2	8.1 (0)	0.1	
		eS	19 16 29	T	0.3	38.4 (0)		
2	DH	eP	19 20 00.0	Z	0.3	7.0 (0)	0.2	
		eS	19 20 05	R	0.5	42.4 (0)		
2	BR	eP	19 43 41.6	Z	0.3	7.3 (0)	0.2	
		eS	19 43 47	T	0.5	30.9 (0)		
2	BL	eP	20 02 42.8	Z	0.2	18.6 (0)	0.4	
		eS	20 02 49	T	0.3	83.5 (0)		
2	BR	eP	20 03 22.0	Z	0.3	1.8 (0)	2.7	
		eS	20 03 56	T	0.4	5.2 (0)		
2	LC	eP	20 17 38.4	Z	0.2	8.3 (0)	1.3	
		eS	20 17 56	R	0.3	7.1 (0)		
2	BR	eP	20 20 21.7	Z	0.3	11.0 (0)	0.2	
		eS	20 20 27	T	0.4	25.2 (0)		
2	BL	eP	20 26 16.1	Z	0.2	27.9 (0)	1.5	
		eS	20 26 37	T	0.3	41.7 (0)		
2	BL	eP	20 33 59.7	Z	0.2	15.3 (1)		
2	BR	eP	21 09 18.7	Z	0.3	14.6 (0)	0.4	
		eS	21 09 26	T	0.4	34.9 (0)		
2	BL	eP	21 44 45.5	Z	0.2	13.9 (0)	1.4	
		eS	21 45 06	T	0.3	48.7 (0)		
2	BL	eP	21 52 52.5	Z	0.2	15.3 (1)	0.1	

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
		eS		21 52 55	T	0.3	99.9 (9)		
2	22 00 19.*			10.9 N 87.5 W WEST COAST NICARAGUA					
				H =130 KM MAG 4.20m CGS					
2	LC	eP		22 05 54.3	Z	0.5	5.6 (0)	28.0	4.48
		eP	AS	22 06 07.4	Z	0.5	3.7 (0)		4.30
		e		22 10 45	Z	0.7	1.2 (0)		
2	MN	eP		22 07 33.5	Z	0.7	6.7 (0)	39.0	4.56
		eP	AS	22 07 47.0	Z	0.8	7.4 (0)		4.54
		e		22 10 06	Z	0.8	2.1 (0)		
2	WI	eP		22 07 45.0	Z	0.7	9.6 (0)	40.0	4.65
		eP	AS	22 07 59.0	Z	0.9	8.8 (0)		4.50
								AS .	4.44
								AVG.	4.56
2	CP	eP		22 07 47.7	Z	0.3	2.0 (0)		
2	CP	e		22 07 49	Z	0.3	5.2 (0)		
2	CP	eL		22 08 24	R	0.3	13.2 (0)		
2	DR	eP		22 09 48.8	Z	1.0	5.1 (0)		
2	MN	eP		22 21 41.5	Z	0.5	1.0 (0)	2.5	
2	WI	eP		22 21 53.3	Z	0.3	0.4 (0)	2.2	
2	MN	eS		22 22 13	R	0.5	1.0 (0)	2.5	
2	WI	eS		22 22 23	R	0.5	1.3 (0)	2.2	
2	MV	eP		23 00 50.0	Z	0.3	1.7 (0)	2.3	
		eS		23 01 20	R	0.4	2.2 (0)		
3	02 16 11.7			50.6 N 177.9 W ANDREANOF ALEUTIAN ISLANDS					
				H =033 KM MAG 4.30m CGS					
3	MN	eP		02 24 13.2	Z	0.9	1.3 (0)	43.0	3.67
3	BL	eP		02 26 55.9	Z	0.9	15.0 (0)	66.0	5.12
								AVG.	4.39
3	WI	eP		06 11 29.7	Z	1.0	2.2 (0)		
3	MN	eP		06 12 00.0	Z	0.8	1.0 (0)		
3	WI	eP		07 04 06.4	Z	0.5	0.4 (0)	3.7	
		eS		07 04 50	R	0.6	1.4 (0)		
3	09 13 30.7			14.6 N 92.8 W CHIAPAS, MEXICO					
				H =072 KM MAG 4.00m CGS					

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
3	LC	eP		09 18 17.3	Z	0.6	1.0 (0)	22.0	3.36
		e		09 18 21	Z	0.8	26.6 (0)		
		eL		09 22 13	LZ	18	63.8 (0)		
3	DR	eP		09 19 03.0	Z	0.8	1.4 (0)	26.0	3.60
		e		09 19 19	Z	0.8	3.7 (0)		
3	MN	eP		09 19 59.2	Z	0.8	1.0 (0)	33.0	3.74
		eL		09 32 10	LZ	22	12.3 (1)		
3	WI	eP		09 20 11.7	Z	0.7	2.8 (0)	34.0	4.23
		eL		09 32 15	LT	20	10.2 (1)		
3	BL	eL		09 25 54	LR	31	24.8 (1)	25.0	
3	BR	eL		09 29 50	LZ	21	15.2 (1)	28.0	
								AVG.	3.73
3	LV	eP		09 20 32.8	Z	0.8	24.9 (0)		
3	BL	eP		09 26 13.1	Z	0.8	17.3 (0)		
3	MV	eP		11 25 42.5	Z	0.2	3.1 (0)	0.9	
		eS		11 25 55	R	0.3	8.3 (0)		
3	11 58 48.9			16.3 S 173.8 W TONGA ISLANDS					
				H =024 KM MAG 4.10m CGS					
3	MN	eP		12 10 32.0	Z	1.0	2.6 (0)	75.0	4.17
3	LC	eP		12 11 01.2	Z	0.8	1.4 (0)	80.0	3.94
		eL		12 37 25	LZ	20	54.6 (0)		
3	DR	eP		12 11 08.2	Z	0.9	1.9 (0)	82.0	4.16
								AVG.	4.09
3	MN	eP		13 32 18.2	Z	1.1	3.2 (0)		
3	WI	eP		13 32 35.5	Z	1.0	2.2 (0)		
3	BR	eP		14 14 32.5	Z	0.3	22.3 (0)	0.1	
		eS		14 14 36	T	0.3	79.1 (0)		
3	BL	eP		16 03 08.2	Z	1.1	36.2 (0)		
3	DH	eP		16 19 26.4	Z	0.3	7.2 (0)	1.4	
		eS		16 19 45	R	0.4	17.1 (0)		
3	BR	eP		16 39 14.5	Z	0.4	7.6 (0)	0.3	
		eS		16 39 19	T	0.4	11.3 (0)		
3	MN	eP		17 52 47.8	Z	0.2	1.2 (0)	0.6	
		eS		17 52 57	R	0.3	1.7 (0)		
3	MN	eP		18 32 32.8	Z	0.4	0.6 (0)		
3	WI	eP		18 32 34.5	Z	0.5	0.8 (0)	3.6	
3	MN	e		18 32 37	Z	0.6	8.0 (0)		
3	MN	e		18 33 08	R	0.7	10.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	WI	eS	18 33 16	R	0.5	6.1 (0)	3.6	
3	BL	eP	18 33 20.6	Z	0.9	30.1 (0)		
3	18 36 19.6		22.9 S 175.6 W TONGA ISLANDS REGION H =033 KM MAG 4.60= CGS					
3	MN	eP	18 48 34.9	Z	1.0	3.5 (0)	81.0	4.27
		e	18 48 47	Z	1.0	5.2 (0)		
3	WI	eP	18 48 46.8	Z	1.0	3.4 (0)	84.0	4.43
		e	18 48 59	Z	1.0	8.0 (0)		
		eL	19 09 21	LZ	34	18.9 (1)		
3	LC	eL	19 17 50	LZ	22	17.6 (1)	86.0	
							AVG.	4.35
3	DH	eP	18 44 02.2	Z	0.8	12.0 (0)		
3	LC	eP	18 48 07.6	Z	1.1	3.0 (0)		
3	LC	eP	19 08 30.0	Z	0.2	1.1 (0)	1.4	
		eS	19 08 50	R	0.2	8.3 (0)		
3	DR	eP	19 09 10.7	Z	0.3	1.3 (0)	3.0	
		eS	19 09 48	R	0.4	1.2 (0)		
3	BL	eP	19 12 07.0	Z	0.2	74.5 (0)	0.1	
		eS	19 12 10	T	0.3	13.6 (1)		
3	BR	eP	19 21 35.0	Z	0.3	5.2 (0)	1.6	
3	BL	eP	19 22 17.4	Z	0.5	7.3 (0)	2.5	
3	BR	eS	19 22 18	T	0.4	30.9 (0)	1.6	
3	BL	eS	19 22 39	T	0.5	18.0 (0)	2.5	
3	DH	eP	19 23 58.8	Z	0.7	10.1 (0)		
3	DR	eP	19 25 50.0	Z	0.9	1.9 (0)		
3	WI	eP	19 26 55.0	Z	0.9	7.0 (0)		
3	MN	eP	19 26 55.8	Z	0.8	2.5 (0)		
3	BL	eL	19 31 00	LZ	21	22.4 (1)		
3	WI	e	19 31 15	Z	1.2	5.2 (0)		
3	MN	e	19 31 17	Z	0.9	2.0 (0)		
3	DH	eP	19 45 43.5	Z	1.0	30.6 (0)		
3	BL	eP	20 00 41.7	Z	0.2	18.6 (0)	0.3	
		eS	20 00 48	T	0.3	34.2 (0)		
3	WI	iP	20 05 41.7C	Z	0.2	11.9 (0)	0.1	
		eS	20 05 45	R	0.3	23.9 (0)		
3	BR	eP	20 18 49.4	Z	0.3	16.4 (0)	0.3	
		eS	20 18 54	T	0.3	21.9 (0)		
3	DH	eP	20 27 00.0	Z	0.8	18.1 (0)		
3	WI	eL	20 57 52	LZ	34	11.8 (2)		
3	BL	eP	21 48 23.0	Z	0.3	6.9 (0)	0.5	
		eS	21 48 32	T	0.3	68.4 (0)		
3	BR	eP	21 48 53.4	Z	0.4	3.8 (0)	2.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	21 49 23	T	0.4	8.1 (0)		
3	LC	eP	21 52 44.4	Z	0.2	6.5 (0)	1.4	
		eS	21 53 04	T	0.4	30.1 (0)		
3	DH	eP	22 00 13.4	Z	1.0	40.8 (0)		
3	22 06 34.1		12.4 S 166.5 E SANTA CRUZ ISLANDS H =035 KM					
3	LC	eL	22 50 50	LZ	21	47.6 (0)	94.0	
3	MN	eP	22 22 11.5	Z	0.4	0.6 (0)	2.4	
		eS	22 22 43	R	0.4	0.7 (0)		
3	MN	eP	22 46 13.5	Z	0.3	1.5 (0)	1.2	
		eS	22 46 31	R	0.4	2.1 (0)		
3	DH	eP	23 13 51.2	Z	0.7	10.1 (0)		
3	BR	eP	23 36 36.8	Z	1.0	5.5 (0)		
3	WI	eP	23 43 18.0	Z	0.7	1.7 (0)		
4	BR	eP	00 48 30.6	Z	0.3	3.0 (0)	1.7	
		eS	00 48 55	T	0.3	10.1 (0)		
4	MV	eP	00 49 44.5	Z	0.3	2.3 (0)	0.7	
		eS	00 49 55	T	0.3	2.9 (0)		
4	00 55 30.1		45.7 N 151.5 E KURILE ISLANDS H =050 KM MAG 3.90= CGS					
4	MN	eP	01 06 01.0	Z	0.8	1.1 (0)	64.0	4.02
4	MV	eP	01 06 45.0	Z	0.3	1.1 (0)	0.7	
		eS	01 06 55	T	0.4	2.8 (0)		
4	BL	eP	01 12 37.3	Z	0.2	9.3 (0)	0.5	
		eS	01 12 45	R	0.3	34.8 (0)		
4	01 43 20.8		12.8 N 88.7 W NEAR COAST OF EL SALVADOR H =055 KM MAG 4.10= CGS					
4	LC	eP	01 48 45.9	Z	0.5	0.9 (0)	25.0	3.61
		ePCP	01 52 42	Z	0.8	1.4 (0)		
4	MN	eP	01 50 24.8	Z	0.8	1.7 (0)	37.0	3.96

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	M.G
		ePCP	01 52 46	Z	0.7	1.0 (0)		
4	WI	eP	01 50 35.4	Z	0.7	2.8 (0)	37.0	4.21
							AVG.	3.92
4	MN	eP	03 06 30.0	Z	1.3	7.7 (0)		
4	WI	eP	03 06 39.3	Z	1.0			
4	WI	eP	03 28 43.4	Z	0.8	1.3 (0)		
4	LC	eP	03 38 46.2	Z	0.7	1.2 (0)		
4	LC	eP	03 44 00.9	Z	0.7	1.2 (0)		
4	LC	eP	04 13 08.4	Z	1.2	3.8 (0)		
4	MV	eP	04 19 18.0	Z	1.0	3.2 (0)		
4	MV	e	04 20 11	Z	0.9	7.5 (0)		
4	LC	eP	04 26 50.0	Z	0.8	1.4 (0)		
4	MN	eP	04 28 17.4	Z	1.0	3.0 (0)		
4	LC	eL	04 28 31	R	0.8	13.3 (0)		
4	LC	eL	04 28 35	LR	16	89.7 (1)		
4	DR	eP	04 30 28.6	Z	1.3	4.8 (0)		
4	BL	eP	04 36 20.0	Z	0.2	9.3 (0)	0.9	
		eS	04 36 32	T	0.3	80.0 (0)		
4	WI	eP	05 14 15.2	Z	0.6	2.3 (0)		

4 05 50 49.5 43.7 N 126.4 W OFF COAST OF OREGON
H =033 KM MAG 4.40- CGS

4	MN	eP	06 14 04.6	Z	0.9	3.1 (0)	85.0	
4	WI	eP	07 08 34.0	Z	1.0	3.3 (0)	95.0	4.72
4	MN	eP	07 08 40.0	Z	0.9	1.5 (0)	96.0	4.53
							AVG.	4.63
4	MN	eP	07 01 05.6	Z	1.0	4.0 (0)		
4	WI	eP	07 01 17.1	Z	1.1	4.1 (0)		
4	LC	eP	07 01 31.5	Z	1.0	3.7 (0)		

4 06 55 16.8 24.0 N 122.4 E NEAR E COAST FORMOSA
H =063 KM MAG 4.60- CGS

4 08 03 47.6 07.5 N 76.9 W NORTHWESTERN COLOMBIA
H =041 KM MAG 4.10- CGS

4	CP	eP	08 12 57.0	Z	0.3	16.6 (0)	1.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	08 13 11	R	0.3	67.2 (0)		
4	MN	eP	10 44 07.2	Z	0.6	1.2 (0)		
4	CP	eP	10 52 43.8	Z	0.4	2.0 (0)	3.0	
		eS	10 53 20	R	0.4	6.6 (0)		

4 10 58 13.2 26.3 S 177.7 W TONGA ISLANDS REGION
H =158 KM MAG 6.50- CGS

4	CP	iP	11 10 22.5D	Z	1.3	53.2 (1)	83.0	6.19
		eP	11 10 23	LZ	17	41.8 (2)		
		epP	11 11 05	LZ	16	55.4 (2)		
		epP	11 11 06	Z	1.3	17.9 (1)		
		epPP	11 14 37	LZ	15	36.0 (2)		
		e	11 20 29	R	3.7	71.8 (1)		
		e	11 20 32	LR	19	12.9 (3)		
		e	11 20 48	R	2.0	10.3 (1)		
		ePS	11 21 50	LR	21	76.0 (2)		
		ePPS	11 22 37	LR	26	14.6 (3)		
		eSS	11 25 35	LR	18	86.9 (2)		
		eSSS	11 29 10	LT	24	42.6 (2)		
		eLQ	11 32 10	LT	25	72.7 (2)		
		eLR	11 37 15	LZ	20	37.5 (2)		
		eL	11 51 05	LR	18	35.6 (2)		
		eL	11 51 05	LT	17	17.3 (2)		
		eL	11 51 05	LZ	17	72.6 (2)		
4	MV	iP	11 10 26.5D	Z	1.4	63.6 (1)	84.0	6.24
		iP	11 10 27 D	LZ	18	31.1 (2)		
		epP	11 11 08	LZ	21	99.9 (9)		
		epP	11 11 10	Z	1.5	27.4 (1)		
		e	11 11 54	Z	1.5	15.4 (1)		
		ePP	11 13 34	LZ	24	93.9 (1)		
		ePP	11 13 41	Z	1.5	11.0 (1)		
		epPP	11 14 38	LZ	23	16.7 (2)		
		eSKS	11 20 33	R	2.0	51.5 (0)		
		eSKS	11 20 35	LR	22	99.9 (9)		
		eS	11 20 42	R	4.0	55.5 (1)		
		ePS	11 21 40	LR	23	47.4 (2)		
		epPS	11 21 56	R	3.6	45.5 (1)		
		eSS	11 26 02	LR	22	99.9 (9)		
		eSSS	11 29 00	LR	23	35.7 (2)		
		eLQ	11 32 22	LR	999.9	99.9 (9)		
		eP'P'	11 36 40	Z	1.2	5.0 (0)		
		epP'P'	11 37 35	Z	2.2	40.9 (0)		
		eLR	11 38 25	LZ	18	15.6 (2)		
		eL	11 47 25	LT	20	17.4 (2)		
		eL	11 47 25	LR	21	73.8 (1)		
		eL	11 47 25	LZ	19	36.9 (2)		
4	MN	iP	11 10 33.5D	Z	1.5	71.8 (1)	85.0	6.26

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	11 10 35	LZ	20	25.3 (2)		
		epP	11 11 15	Z	1.3	10.6 (1)		
		epP	11 11 16	LZ	20	22.7 (2)		
		epPP	11 14 38	LZ	25	12.7 (2)		
		eS	11 20 53	LR	999.9	99.9 (9)		
		eS	11 20 53	LT	999.9	99.9 (9)		
		eS	11 20 55	R	4.2	12.5 (2)		
		eS	11 20 55	T	3.9	11.9 (2)		
		ePS	11 21 50	LR	999.9	99.9 (9)		
		ePS	11 22 12	R	4.5	12.2 (2)		
		eSS	11 25 50	LR	15	40.9 (2)		
		eSSS	11 29 51	LR	999.9	99.9 (9)		
		eLQ	11 32 53	LR	999.9	99.9 (9)		
		eP'P'	11 36 36	Z	1.5	8.9 (0)		
		epP'P'	11 37 34	Z	3.3	28.0 (1)		
		eSKPP'	11 39 49	Z	2.4	53.7 (0)		
		eLR	11 40 40	LZ	17	43.9 (2)		
4	LC	iP	11 10 54.5D	Z	1.0	15.5 (1)	89.0	5.97
		eP	11 10 55	LZ	18	99.9 (9)		
		epP	11 11 40	LZ	30	18.7 (2)		
		epPP	11 15 25	LZ	23	18.3 (2)		
		eSKS	11 21 09	R	1.5	14.7 (0)		
		eSKS	11 21 10	LT	18	99.9 (9)		
		eS	11 21 36	R	4.5	73.0 (1)		
		ePS	11 22 33	LT	999.9	99.9 (9)		
		ePS	11 22 41	T	4.5	46.8 (1)		
		ePKKP	11 28 29	Z	1.7	15.6 (0)		
		epPKKP	11 29 13	Z	2.0	31.2 (0)		
		eP'P'	11 36 37	Z	1.8	17.8 (0)		
4	DR	iP	11 11 02.7D	Z	1.5	21.5 (1)	91.0	6.04
		eP	11 11 03	LZ	19	15.0 (2)		
		epP	11 11 44	Z	1.5	67.0 (0)		
		epP	11 11 44	LZ	22	16.9 (2)		
		ePP	11 14 50	LZ	22	71.8 (1)		
		eSKS	11 21 19	T	2.4	92.1 (0)		
		eSKS	11 21 20	LR	19	11.9 (2)		
		eS	11 21 51	LR	23	99.9 (9)		
		eS	11 21 53	T	4.0	56.6 (1)		
		ePS	11 23 12	LR	25	41.2 (2)		
		ePS	11 23 13	T	6.0	21.1 (2)		
		eSS	11 28 00	LT	27	99.9 (9)		
		ePKKP	11 28 20	Z	1.5	11.1 (0)		
		epPKKP	11 29 10	Z	1.7	26.3 (0)		
		eSSS	11 31 33	LR	26	47.2 (2)		
		eLQ	11 34 23	LR	24	47.9 (2)		
		eP'P'	11 36 31	Z	2.2	42.1 (0)		
		eLR	11 41 09	LZ	24	31.1 (2)		
		eL	11 46 05	LZ	19	34.4 (2)		
		eL	11 46 05	LT	18	36.9 (2)		
		eL	11 46 05	LR	18	82.9 (1)		
4	BL	ePD	11 12 30	LZ	19	30.2 (1)	110.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP'	11 16 26.5	Z	0.8	11.5 (0)		
		ePP	11 17 05	Z	1.3	56.4 (0)		
		ePP	11 17 05	LZ	22	55.8 (1)		
		eSKS	11 22 35	LR	21	64.2 (1)		
		eSKKS	11 23 50	LR	20	12.8 (2)		
		ePS	11 26 20	LR	21	36.5 (2)		
		ePKKP	11 27 30	Z	0.8	11.5 (0)		
		e	11 30 00	LR	24	24.5 (2)		
		eSS	11 31 15	LR	23	24.1 (2)		
		eSSS	11 36 10	LR	23	56.1 (2)		
		e	11 43 35	LR	23	40.3 (2)		
		eLQ	11 45 05	LR	37	88.9 (2)		
		eLR	11 50 25	LZ	25	33.3 (2)		
		eL	11 54 52	LR	20	40.1 (2)		
		eL	11 54 52	LT	20	18.5 (2)		
		eL	11 54 52	LZ	20	48.2 (2)		
4	BR	eP'	11 16 32.2	Z	1.0	10.1 (0)	113.0	
		ePP	11 17 21	Z	1.5	49.8 (0)		
		ePP	11 17 22	LZ	20	69.8 (1)		
		epSP	11 27 20	Z	1.5	54.8 (0)		
		eLR	11 54 20	LZ	23	68.1 (2)		
4	DH	eP'	11 16 40.0	Z	0.7	10.1 (0)	116.0	
		eP'	11 16 40	LZ	13	31.1 (1)		
		ePP	11 17 55	LZ	22	71.8 (1)		
		eSKKS	11 24 40	LR	15	30.2 (2)		
		e	11 25 24	LT	22	16.2 (2)		
		ePS	11 27 20	LR	19	38.1 (2)		
		epPS	11 28 10	LR	21	65.5 (2)		
		eSS	11 34 00	LR	22	42.3 (2)		
		e	11 35 10	LR	25	91.2 (2)		
		eSSS	11 37 45	LR	28	40.3 (2)		
		eLQ	11 47 43	LT	40	13.4 (3)		
		eLR	11 52 20	LZ	22	14.8 (2)		
		eL	11 59 15	LZ	23	35.3 (2)		
		eL	11 59 15	LR	20	39.1 (2)		
		eL	11 59 15	LT	21	12.7 (2)		
						AVG.		6.14
4	WI	eP	12 10 44.5	Z	1.3	23.8 (0)		
4	WI	e	12 11 32	Z	1.4	10.7 (0)		
4	MN	eP	12 42 47.4	Z	1.3	7.7 (0)		
4	LC	eP	12 43 16.5	Z	1.2	3.8 (0)		
4	DR	eP	12 43 21.1	Z	1.3	4.8 (0)		
4	BL	eP	12 44 13.6	Z	0.6	8.1 (0)		
4	14 16 51.1	22.9 S 175.6 W TONGA ISLANDS REGION H =033 KM MAG 4.80- CGS						
4	MN	eP	14 29 07.1	Z	0.9	4.6 (0)	81.0	4.44

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	14 55 33	LZ	27	29.3 (1)		
4	LC	eP	14 29 31.3	Z	1.3	9.6 (0)	86.0	4.70
		eLR	14 57 00	LZ	24	17.6 (1)		
		eL	14 59 10	LZ	22	52.3 (1)		
		eL	14 59 10	LR	23	30.3 (1)		
		eL	14 59 10	LT	23	41.6 (1)		
4	MV	eLR	14 55 00	LZ	23	20.9 (1)	80.0	
4	DR	eLR	14 57 35	LZ	23	25.6 (1)	88.0	
4	BL	eL	15 11 00	LZ	21	11.2 (1)	107.0	
4	BR	eLR	15 12 10	LZ	24	89.6 (1)	109.0	
							AVG.	4.57
4	DH	eP	16 26 49.5	Z	0.8	12.1 (0)		
4	17 49 42.7		15.8 S 168.0 E NEW HEBRIDES ISLANDS H =150 KM					
4	MN	eP	20 49 28.4	Z	0.9	3.1 (0)		
4	21 45 31.1		00.5 N 120.6 E CELEBES H =059 KM MAG 4.90- CGS					
4	MV	eP	22 05 25.0	Z	1.2	7.5 (0)		
4	22 56 15.7		18.5 S 12.6 W ST. HELENA ISLANDS REGION H =033 KM MAG 5.60- CGS					
4	DH	eP	23 08 42.0	Z	1.5	18.0 (1)	83.0	5.98
		eLR	23 34 40	LZ	27	18.2 (2)		
4	BR	eP	23 08 48.6	Z	1.8	10.4 (1)	85.0	5.66
		eP	23 08 50	LZ	10	10.4 (2)		
		eLR	23 35 10	LZ	28	15.6 (2)		
4	BL	eP	23 08 51.7	Z	0.9	15.0 (0)	85.0	5.12
		eS	23 19 30	LR	17	44.2 (1)		
		eSS	23 25 10	LR	20	49.5 (1)		
		eL	23 31 40	LR	25	68.6 (1)		
		eL	23 35 20	LZ	29	12.6 (2)		
4	LC	eP	23 10 14.0	Z	1.4	8.9 (0)	103.0	5.33
		eS	23 20 59	LR	20	15.2 (1)		
		ePS	23 23 40	LR	20	33.3 (1)		
		eSS	23 29 15	LR	24	96.3 (1)		
		eLQ	23 39 00	LT	38	97.0 (1)		
		eLR	23 45 10	LZ	33	13.0 (2)		
4	WI	eL	23 50 28	LZ	28	58.1 (1)	113.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	MV	eL	23 51 25	LZ	28	45.8 (1)	116.0	
							AVG.	5.52
5	MN	eP	03 23 30.0	Z	1.0	2.6 (0)		
5	03 29 36.1		50.4 N 90.6 E OUTER MONGOLIA H =033 KM MAG 4.50- CGS					
5	MN	eP	03 42 24.2	Z	1.0	1.7 (0)	88.0	4.24
5	05 48 13.4		11.6 S 77.5 W PERU H =055 KM MAG 5.80- CGS					
5	LV	eP	05 56 31.7	Z	1.2	19.0 (1)	46.0	5.89
5	BL	eP	05 56 57.8	Z	1.0	19.5 (1)	49.0	6.03
		eP	05 56 58	LZ	15	35.1 (1)		
		ePP	05 58 57	LZ	15	35.1 (1)		
		eS	06 03 57	LR	20	74.2 (1)		
		eSCS	06 06 35	LR	20	69.3 (1)		
		e	06 08 00	LR	28	10.2 (2)		
		eLQ	06 12 00	LR	23	16.7 (2)		
		eLR	06 15 48	LZ	25	17.7 (2)		
5	BR	eP	05 57 13.3	Z	1.0	34.0 (0)	51.0	5.28
		eP	05 57 14	LZ	16	52.2 (1)		
		ePP	05 59 11	LZ	15	58.0 (1)		
		eL	06 13 35	LZ	39	30.6 (2)		
5	LC	eP	05 57 18.5	Z	1.0	15.8 (1)	52.0	5.95
		eP	05 57 20	LZ	15	20.2 (1)		
		eS	06 04 38	R	2.0	31.2 (0)		
		eS	06 04 38	T	1.8	23.8 (0)		
		eS	06 04 38	LT	20	78.5 (1)		
		eSCS	06 07 05	T	3.0	10.4 (1)		
		eSCS	06 07 08	LT	19	87.2 (1)		
		eLQ	06 10 35	LT	28	47.6 (1)		
		eLR	06 14 15	LZ	26	43.2 (1)		
		eL	06 16 35	LZ	21	59.9 (1)		
		eL	06 16 35	LR	19	62.1 (1)		
		eL	06 16 35	LT	22	49.2 (1)		
5	DH	eP	05 57 30.9	Z	0.9	25.1 (1)	54.0	6.24
		eS	06 05 02	LT	22	62.3 (1)		
		e	06 06 11	LT	25	58.1 (1)		
		eL	06 14 50	LZ	33	17.1 (2)		
		eL	06 20 00	LZ	24	17.6 (2)		
		eL	06 20 00	LR	23	59.0 (1)		
		eL	06 20 00	LT	24	13.2 (2)		
5	DR	eP	05 57 52.7	Z	1.0	22.7 (0)	56.0	5.15

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	05 57 54	LZ	15	23.9 (1)		
		eS	06 05 41	LT	21	62.6 (1)		
		eSCS	06 07 38	LT	20	53.3 (1)		
		eSS	06 09 35	LT	19	74.5 (1)		
		eLQ	06 12 15	LT	21	43.8 (1)		
		eLR	06 16 15	LZ	35	54.9 (1)		
		eL	06 19 40	LZ	35	51.0 (1)		
		eL	06 19 40	LR	30	20.7 (1)		
		eL	06 19 40	LT	27	66.1 (1)		
5	CP	eP	05 58 00.3	Z	0.9	17.6 (0)	58.0	5.09
		eP	05 58 04	LZ	13	39.6 (1)		
		eP AS	05 58 14.5	Z	0.9	16.5 (0)		5.06
		eS	06 06 00	LT	18	28.4 (1)		
		eL	06 15 44	LZ	21	24.4 (1)		
5	MN	eP	05 58 35.0	Z	0.9	27.6 (0)	63.0	5.27
		eP	05 58 37	LZ	15	13.6 (1)		
		eP AS	05 58 49.3	Z	1.2	39.0 (0)		5.30
		eS	06 07 00	LT	21	73.5 (1)		
		eS	06 07 01	R	2.3	28.5 (0)		
		e	06 07 11	T	2.8	57.5 (0)		
		eSCS	06 08 21	T	2.3	38.5 (0)		
		eSS	06 11 15	LT	28	49.9 (1)		
		eLQ	06 15 40	LT	35	11.0 (2)		
		eLR	06 18 55	LZ	29	67.3 (1)		
5	WI	eP	05 58 45.2	Z	1.0	90.2 (0)	64.0	5.79
		eP AS	05 58 59.0	Z	0.9	15.6 (0)		5.07
		eSCP	06 03 14	Z	1.2	5.2 (0)		
		eS	06 07 22	LT	22	74.0 (1)		
		eLQ	06 14 46	LT	30	63.1 (1)		
		eLR	06 21 49	LZ	30	10.3 (2)		
		eL	06 22 11	LZ	28	96.9 (1)		
		eL	06 22 11	LT	25	60.2 (1)		
		eL	06 22 11	LR	28	91.7 (1)		
5	MV	eP	05 58 50.0	Z	1.1	8.0 (0)	65.0	4.69
		e	05 59 44	Z	1.3	18.7 (0)		
		eS	06 07 30	LT	22	10.6 (2)		
		eSCS	06 08 39	LT	24	88.7 (1)		
		eL	06 20 35	LZ	34	70.5 (1)		
		eL	06 22 20	LZ	33	82.7 (1)		
		eL	06 22 20	LR	31	75.8 (1)		
		eL	06 22 20	LT	20	62.4 (1)		
							AS .	5.14
							AVG.	5.53

5	07 19 15.8	27.7 N 92.1 E ASSAM. INDIA					
		H =033 KM MAG 4.20- CGS					
5	MN	eP	08 08 10.7	Z	0.3	0.6 (0)	1.2
		eS	08 08 26	R	0.3	1.1 (0)	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	08 25 00	LZ	17	61.0 (0)		
5	LC	eP	08 27 37.0	Z	0.2	4.1 (0)	1.4	
5	CP	eS	08 27 56	T	0.3	99.9 (9)		
		eP	08 28 20.6	Z	0.2	0.4 (0)		
5	MN	e	08 28 28	Z	0.4	0.6 (0)		
5	MN	eL	08 29 36	R	0.5	2.3 (0)		
5	MN	eL	08 30 15	LZ	15	15.5 (1)		
5	WI	eP	08 30 59.8	Z	0.7	2.2 (0)		
5	DR	eP	08 31 04.5	Z	0.5	0.9 (0)		

5	08 35 10.9	31.7 N 142.4 E SOUTH OF HONSHU. JAPAN					
		H =030 KM MAG 4.20- CGS					
5	MN	eP	08 47 06.3	Z	0.7	0.8 (0)	78.0	3.90
5	LC	eP	09 21 12.2	Z	0.2	1.1 (0)	3.1	
		eS	09 21 51	T	0.3	1.7 (0)		
5	MN	eP	09 25 48.2	Z	0.2	0.4 (0)	0.2	
		eS	09 25 52	T	0.3	5.7 (0)		
5	CP	eP	10 08 20.2	Z	0.2	6.1 (0)	1.7	
		eS	10 08 43	T	0.3	11.1 (0)		
5	CP	eP	10 19 18.2	Z	0.2	2.7 (0)	0.9	
		eS	10 19 30	T	0.3	15.2 (0)		
5	MN	eP	12 57 00.8	Z	0.2	2.5 (0)	0.9	
		eS	12 57 13	R	0.3	9.5 (0)		
5	MN	eP	13 00 09.5	Z	0.2	2.5 (0)	0.9	
		eS	13 00 21	T	0.3	10.3 (0)		

5	13 11 37.5	37.2 N 73.0 E HINDU KUSH					
		H =111 KM MAG 5.00- CGS					
5	LC	eL	14 14 00	LT	25	11.5 (1)	111.0
		eLR	14 18 13	LZ	22	11.5 (1)	
5	MN	eL	14 15 15	LZ	22	74.3 (0)	104.0
5	DR	eL	14 15 30	LZ	23	10.1 (1)	106.0

5	14 21 28.5	39.1 N 22.9 E GREECE					
		H =033 KM MAG 4.20- CGS					
5	14 29 24.8	03.2 S 77.8 W PERU ECUADOR BORDER					
		H =065 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	LC	eP	14 37 33.8	Z	0.8	1.4 (0)	45.0	3.83
5	MN	eP	14 38 57.9	Z	1.0	1.7 (0)	56.0	4.04
							AVG.	3.94
5	14 40 54.7		12.8 N 88.9 W NEAR COAST OF EL SALVADOR					
			H =085 KM MAG 4.10- CGS					
5	DH	eP	14 47 13.5	Z	0.8	12.0 (0)	32.0	4.70
		eL	14 59 05	LT	22	23.3 (1)		
5	CP	eP	14 47 15.7	Z	0.9	3.3 (0)	32.0	4.09
		eL	15 00 20	LZ	19	26.4 (1)		
5	MN	eP	14 47 54.3	Z	0.9	2.0 (0)	36.0	4.03
		ePCP	14 50 17	Z	0.9	1.3 (0)		
5	BL	eL	14 57 30	LZ	15	43.8 (1)	26.0	
5	MV	eL	15 00 45	LT	34	28.7 (1)	39.0	
		eL	15 03 33	LR	23	24.1 (1)		
		eL	15 03 33	LT	23	27.6 (1)		
		eL	15 03 33	LZ	30	86.3 (0)		
							AVG.	4.28
5	WI	eP	14 46 04.2	Z	1.0	2.2 (0)		
5	LC	eLR	14 51 00	LZ	19	81.0 (0)		
5	DR	eL	14 58 45	LZ	26	10.4 (1)		
5	CP	iP	14 59 02.7C	Z	0.2	20.5 (0)		
5	MN	eP	15 00 12.8	Z	0.7	0.8 (0)		
5	WI	eL	15 01 28	LT	28	18.4 (1)		
5	MN	eL	15 01 55	LT	21	55.6 (1)		
5	BL	eP	16 19 36.9	Z	0.6	8.1 (0)		
5	MN	eP	16 23 07.1	Z	0.3	8.7 (0)	0.3	
		eS	16 23 13	T	0.4	9.6 (0)		
5	16 27 27.6		36.7 N 73.0 E HINDU KUSH					
			H =193 KM MAG 4.30- CGS					
5	WI	eP	16 31 12.6	Z	0.2	11.8 (0)	0.1	
		eS	16 31 26	R	0.3	14.8 (0)		
5	DH	e	16 40 10	LR	23	13.4 (2)		
5	CP	eP	17 06 41.9	Z	0.2	9.5 (0)	2.1	
		eS	17 07 09	T	0.3	7.1 (0)		
5	BR	eP	18 14 32.1	Z	0.3	2.7 (0)	0.5	
		eS	18 14 40	R	0.3	8.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	CP	eP	19 17 27.9	Z	0.2	3.4 (0)	0.8	
		eS	19 17 39	T	0.3	12.1 (0)		
5	MN	eP	19 23 34.5	Z	0.3	0.6 (0)	1.1	
		eS	19 23 49	T	0.3	1.2 (0)		
5	BR	eP	19 29 30.5	Z	0.3	20.2 (0)	0.1	
		eS	19 29 33	R	0.3	91.7 (0)		
5	BR	eP	19 34 34.0	Z	0.3	17.5 (0)	0.4	
		eS	19 34 41	R	0.3	48.3 (0)		
5	CP	eP	19 40 19.5	Z	0.2	3.4 (0)	0.7	
		eS	19 40 29	T	0.3	21.3 (0)		
5	CP	eP	20 01 33.7	Z	0.2	2.7 (0)	1.4	
		eS	20 01 54	R	0.3	11.4 (0)		
5	20 28 51.3		03.0 S 141.9 E NEAR COAST NEW GUINEA					
			H =068 KM MAG 4.70- CGS					
5	LC	eP	21 02 15.2	Z	0.2	5.3 (0)	1.4	
		eS	21 02 34	T	0.3	4.4 (0)		
5	BR	eP	21 10 27.0	Z	0.5	15.7 (0)		
5	BL	eP	22 09 12.2	Z	0.2	9.3 (0)	1.7	
		eS	22 09 35	T	0.3	41.7 (0)		
		eP	22 22 44.5	Z	0.3	3.4 (0)		
		eS	22 23 07	R	0.3	10.2 (0)		
5	MN	eP	22 55 09.4	Z	0.3	1.2 (0)	2.8	
		eS	22 55 46	R	0.3	1.6 (0)		
5	CP	eP	23 51 51.8	Z	0.2	8.2 (0)	0.3	
		eS	23 51 58	T	0.3	5.0 (0)		
6	01 01 28.7		30.3 N 99.8 E SINKIANG PROVINCE, CHINA					
			H =033 KM MAG 4.90- CGS					
6	BL	eP	01 28 47.7	Z	0.5	14.7 (0)		
6	CP	eP	02 59 02.7	Z	0.8	3.4 (0)		
6	MV	eP	04 14 24.4	Z	0.4	5.6 (0)	0.1	
		eS	04 14 26	T	0.4	13.7 (0)		
6	LC	eP	04 29 59.5	Z	0.6	1.0 (0)		
6	05 21 14.*		31.8 S 179.0 W KERMADEC ISLANDS					
			H =033 KM MAG 4.50- CGS					
6	MV	eP	05 34 04.6	Z	1.0	4.8 (0)	89.0	4.65

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	06 01 40	LZ	25	14.9 (1)		
6	MN	eP	05 34 13.6	Z	0.9	2.0 (0)	90.0	4.31
		eL	06 01 48	LZ	29	90.6 (0)		
6	WI	eP	05 34 20.5	Z	0.9	1.7 (0)	92.0	4.38
		eL	06 04 00	LZ	22	71.8 (0)		
6	LC	eL	06 03 40	LZ	29	78.5 (0)	94.0	
6	DR	eL	06 05 20	LZ	24	96.8 (0)	96.0	
6	DH	eL	06 20 15	LZ	25	15.5 (1)	120.0	
							AVG.	4.45
6	WI	eP	06 12 53.5	Z	0.7	1.1 (0)		
6	WI	eP	10 24 47.5	Z	0.6	0.9 (0)		
6	CP	eP	10 40 31.3	Z	0.3	11.2 (0)	0.6	
		eS	10 40 40	T	0.3	19.6 (0)		
6	DR	eP	11 35 48.5	Z	0.3	1.3 (0)	2.5	
		eS	11 36 20	T	0.3	0.8 (0)		
6	BL	eP	12 13 32.9	Z	0.8	23.1 (0)		
6	13 34 04.*		28.0 N 57.6 E SOUTHEASTERN IRAN H =080 KM					
6	BR	eP	13 40 27.1	Z	0.2	11.1 (0)	2.5	
		eS	13 40 32	T	0.2	28.2 (0)		
6	WI	eP	14 05 23.0	Z	0.3	1.6 (0)	3.1	
		eS	14 06 07	T	0.4	4.2 (0)		
6	BR	eP	14 09 56.1	Z	0.2	7.1 (0)	0.1	
		eS	14 09 59	T	0.2	21.1 (0)		
6	BR	eP	15 07 11.1	Z	0.3	1.7 (0)	1.0	
		eS	15 07 24	T	0.4	3.6 (0)		
6	BR	eP	15 39 50.9	Z	0.2	41.2 (0)	0.1	
		eS	15 39 53	T	0.2	10.2 (1)		
6	LC	eP	15 42 32.5	Z	0.6	1.0 (0)		
6	DR	eP	15 43 32.3	Z	0.8	1.4 (0)		
6	LC	eL	15 44 20	R	0.8	29.5 (0)		
6	LC	eL	15 44 22	LR	16	10.4 (2)		
6	WI	eP	15 44 31.4	Z	1.0	3.3 (0)		
6	DR	eL	15 46 21	R	0.8	2.9 (0)		
6	DR	eL	15 46 50	LZ	14	22.1 (1)		
6	BR	eP	15 47 56.8	Z	0.3	1.1 (0)	1.4	
6	CP	eL	15 48 12	LR	19	74.8 (1)		
6	BR	eS	15 48 15	T	0.3	9.8 (0)	1.4	
6	MV	eL	15 49 15	LZ	18	14.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	CP	eP	16 11 35.5	Z	0.3	3.0 (0)	1.4	
		eS	16 11 54	T	0.3	12.4 (0)		
6	MN	eP	16 12 31.9	Z	0.7	0.8 (0)	4.9	
		eS	16 13 30	R	0.6	1.9 (0)		
6	BR	eP	16 27 24.3	Z	0.2	1.5 (0)	0.5	
		eS	16 27 32	T	0.3	15.1 (0)		
6	BR	eP	17 26 50.0	Z	0.3	1.7 (0)	1.5	
		eS	17 27 09	T	0.4	4.3 (0)		
6	17 49 54.5		11.6 N 142.7 E MARIANA ISLANDS REGION H =026 KM MAG 4.60- CGS					
6	WI	eP	18 02 53.0	Z	1.0	7.9 (0)	90.0	4.87
		eL	18 48 30	LT	13	32.8 (1)		
6	MN	eP	18 02 54.2	Z	1.0	5.2 (0)	90.0	4.69
6	LC	eL	18 38 10	LZ	25	75.8 (0)	101.0	
6	MV	eL	18 39 35	LZ	21	16.5 (1)	87.0	
6	DH	eL	18 51 00	LZ	20	26.1 (1)	116.0	
6	BR	eL	18 53 00	LZ	18	29.9 (1)	116.0	
							AVG.	4.78
6	BR	eP	18 13 21.1	Z	0.2	19.0 (0)		
6	BR	eP	18 14 43.3	Z	0.2	2.3 (0)	1.5	
		eS	18 15 02	T	0.3	20.4 (0)		
6	MN	eP	18 25 07.5	Z	0.6	0.7 (0)		
6	WI	eL	18 30 00	LZ	28	31.4 (1)		
6	DR	eP	19 12 34.9	Z	0.2	3.5 (0)	0.8	
		eS	19 12 46	T	0.2	11.8 (0)		
6	MN	eP	19 17 23.2	Z	0.7	1.3 (0)		
6	BR	eP	19 19 16.0	Z	0.2	2.3 (0)	1.5	
6	DH	eP	19 19 28.5	Z	0.2	4.8 (0)	2.6	
6	BR	eS	19 19 36	T	0.2	10.0 (0)	1.5	
6	DH	eS	19 20 02	T	0.3	9.9 (0)	2.6	
6	BR	eP	19 34 36.2	Z	0.2	12.6 (0)	0.1	
		eS	19 34 39	T	0.3	99.9 (9)		
		eP	19 43 10.0	Z	0.2	12.6 (0)		
		eS	19 43 14	T	0.3	49.9 (0)		
6	BR	eP	19 47 28.6	Z	0.2	1.5 (0)	2.8	
		eS	19 48 04	T	0.3	9.0 (0)		
6	LC	eP	20 22 50.0	Z	0.2	5.9 (0)	1.5	
		eS	20 23 10	T	0.3	7.0 (0)		
6	BR	eP	20 50 42.3	Z	0.2	1.5 (0)	0.9	
		eS	20 50 54	T	0.3	6.0 (0)		
6	CP	eP	21 10 33.4	Z	0.3	1.5 (0)	1.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	21 10 52	T	0.3	15.5 (0)		
6	BR	eP	21 27 10.0	Z	0.3	2.9 (0)	2.4	
		eS	21 27 40	T	0.4	5.8 (0)		
6	BR	eP	22 09 33.5	Z	0.3	4.7 (0)	2.0	
		eS	22 10 00	T	0.3	9.8 (0)		
6	BR	eP	22 14 41.5	Z	0.3	1.1 (0)	0.9	
		eS	22 14 54	T	0.3	4.5 (0)		
6	MN	eP	22 21 59.0	Z	0.7	1.3 (0)		
6	22 22 22.9		37.7 N 141.7 E NEAR COAST HONSHU, JAPAN H =034 KM MAG 4.30- CGS					
6	22 32 31.7		16.3 S 39.7 E NEAR COAST OF MOZAMBIQUE H =033 KM					
6	DR	eP#1	22 52 07.0	Z	1.0	7.5 (0)	144.0	
6	LC	eP#1	22 52 11.2	Z	0.8	8.8 (0)	146.0	
6	WI	eP#1	22 52 17.4	Z	0.8	3.3 (0)	148.0	
6	MN	eP#1	22 52 23.5	Z	1.0	3.5 (0)	151.0	
6	CP	eP#1	22 52 29.8	Z	0.8	1.7 (0)	153.0	
6	DH	eL	23 35 50	LZ	20	20.9 (1)	119.0	
6	MV	eP	23 33 40.0	Z	0.8	1.9 (0)	0.7	
6	MN	eP	23 33 44.6	Z	0.6	1.4 (0)	3.5	
		eS	23 34 38	T	0.9	4.9 (0)		
6	MV	eS	23 34 50	R	0.7	1.5 (0)	0.7	
6	BR	eP	23 57 19.6	Z	0.2	1.5 (0)	2.1	
		eS	23 57 47	T	0.3	7.5 (0)		
7	00 01 13.3		42.2 S 84.4 E INDIAN OCEAN H =033 KM MAG 5.00- 5 DXS					
7	MN	eP#1	00 21 14.6	Z	1.1	5.4 (0)	162.0	
		eP#2	00 22 00	Z	1.1	3.2 (0)		
7	WI	eP#1	00 21 16.3	Z	1.2	6.9 (0)	164.0	
		eP#2	00 22 07	Z	1.1	4.1 (0)		
7	DR	eP#1	00 21 20.9	Z	1.1	9.2 (0)	170.0	
7	WI	eP	00 06 51.3	Z	0.2	3.2 (0)		
7	DR	eP	00 06 53.5	Z	0.2	1.1 (0)	0.1	
		eS	00 06 58	R	0.2	4.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	DR	eP	00 22 36.1	Z	0.6	2.0 (0)	5.0	
7	MN	eP	00 22 43.8	Z	0.3	0.6 (0)	1.0	
7	DR	e	00 22 46	Z	0.4	9.4 (0)	5.0	
7	WI	eP	00 22 51.4	Z	0.5	1.7 (0)	5.9	
7	MN	eS	00 22 57	T	0.3	3.2 (0)	1.0	
7	CP	eP	00 23 07.4	Z	0.3	0.5 (0)		
7	WI	e	00 23 09	Z	0.5	6.8 (0)	5.9	
7	DR	eS	00 23 27	R	0.5	20.4 (0)	5.0	
7	LC	eP	00 23 32.0	Z	0.2	0.5 (0)		
7	LC	e	00 23 57	Z	0.5	3.3 (0)		
7	WI	eS	00 24 01	R	0.6	7.4 (0)	5.9	
7	CP	eL	00 24 48	T	0.8	2.5 (0)		
7	LC	eL	00 25 30	R	0.7	6.2 (0)		
7	LC	e	00 25 30	LR	8			
7	BR	eP	00 27 22.4	Z	0.6	9.8 (0)		
7	BL	eP	00 53 42.3	Z	0.2	13.6 (0)	0.4	
		eS	00 53 44	T	0.2	48.1 (0)		
7	BL	eP	00 58 10.0	Z	0.2	13.6 (0)	0.1	
		eS	00 58 12	T	0.2	48.1 (0)		
7	BL	eP	01 08 02.6	Z	0.3	6.8 (0)	4.6	
		eS	01 08 58	R	0.3	47.8 (0)		
7	01 09 12.7		18.0 S 168.0 E NEW HEBRIDES ISLANDS REG. H =033 KM					
7	CP	eP	01 12 51.5	Z	0.2	1.3 (0)	2.8	
		eS	01 13 27	T	0.3	4.1 (0)		
7	MN	eLR	01 18 50	LZ	26	33.0 (1)		
7	LC	eLR	01 19 22	LZ	28	13.3 (1)		
7	CP	eL	01 19 28	LZ	22	24.1 (1)		
7	BR	eL	01 19 40	LZ	29	16.7 (1)		
7	BL	eL	01 19 50	LZ	26	22.9 (1)		
7	LC	eL	01 22 08	LT	23	16.8 (1)		
7	LC	eL	01 22 08	LR	22	15.8 (1)		
7	LC	eL	01 22 08	LZ	23	27.8 (1)		
7	MN	eL	01 23 35	LT	23	30.3 (1)		
7	MN	eL	01 23 35	LR	23	19.9 (1)		
7	MN	eL	01 23 35	LZ	22	48.3 (1)		
7	BL	eP	02 08 17.0	Z	0.8	11.2 (0)		
7	CP	eP	03 38 38.5	Z	0.2	2.7 (0)	0.1	
		eS	03 38 42	T	0.2	8.2 (0)		
7	CP	eP	03 57 34.2	Z	0.2	12.2 (0)	0.9	
		eS	03 57 48	T	0.2	34.5 (0)		
7	MN	eP	03 58 44.4	Z	0.2	1.2 (0)		
7	MN	eL	04 00 00	T	0.5	1.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	MN	eP	07 13 16.4	Z	0.3	3.1 (0)	0.8	
		eS	07 13 28	T	0.3	3.2 (0)		
7	MV	eP	07 46 29.0	Z	1.1	4.0 (0)		
7	MN	eP	09 07 07.3	Z	0.2	0.8 (0)	0.1	
		eS	09 07 11	T	0.3	3.2 (0)		
7	CP	eP	09 19 00.3	Z	0.2	9.5 (0)	0.7	
		eS	09 19 10	T	0.2	17.2 (0)		
7	09 30 56.2		51.7 N 156.4 E KAMCHATKA REGION					
			H =033 KM MAG 3.80- CGS					
7	10 17 24.4		17.9 N 145.6 E MARIANA ISLANDS REGION					
			H =137 KM MAG 4.70- CGS					
7	MV	eP	10 29 26.7	Z	0.7	4.0 (0)	81.0	4.32
7	WI	eP	10 29 38.5	Z	0.9	12.1 (0)	83.0	4.75
7	MN	eP	10 29 40.4	Z	0.9	8.0 (0)	84.0	4.57
		epP	10 30 12	Z	0.9	5.3 (0)		
7	CP	eP	10 29 56.0	Z	0.7	4.2 (0)	87.0	4.51
7	DR	eP	10 30 19.3	Z	0.8	2.9 (0)	91.0	4.49
		epP	10 30 51	Z	0.8	2.9 (0)		
7	LC	eP	10 30 32.8	Z	1.0	2.5 (0)	95.0	4.52
							AVG.	4.53
7	10 52 01.4		06.2 N 124.5 E MINDANAO, PHILIPPINE IS.					
			H =033 KM MAG 4.60- CGS					
7	MV	eL	11 40 40	LZ	30	89.8 (0)	107.0	
7	CP	eP	10 53 59.8	Z	0.2	2.7 (0)	0.7	
		eS	10 54 10	T	0.2	13.8 (0)		
7	MN	eP	12 05 04.6	Z	0.8	1.0 (0)		
7	DH	eP	13 08 51.0	Z	0.9	15.6 (0)		
7	MV	eP	13 47 39.5	Z	0.9	2.5 (0)		
7	MV	e	13 50 21	Z	1.0	4.8 (0)		
7	MV	eP	15 16 32.6	Z	1.0	3.2 (0)		
7	CP	eP	15 21 12.3	Z	1.4	13.6 (0)		
7	LC	eP	15 21 13.2	Z	1.3	7.2 (0)		
7	DR	eP	15 21 47.5	Z	1.3	7.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	MN	eP	15 21 54.8	Z	1.1	5.4 (0)		
7	WI	eP	15 22 12.5	Z	1.4	16.1 (0)		
7	MV	eP	15 28 20.0	Z	0.8	1.9 (0)		
7	MV	eP	15 28 59	Z	0.8	2.8 (0)		
7	CP	eP	15 35 31.8	Z	0.2	6.8 (0)	0.7	
		eS	15 35 52	T	0.3	11.3 (0)		
7	MN	e	15 39 04	LR	20	18.8 (1)		
7	DR	eL	15 41 25	LZ	23	14.9 (1)		
7	MN	eL	15 42 24	LZ	22	99.1 (0)		
7	BR	eL	15 46 55	LZ	25	18.3 (1)		
7	CP	eP	16 03 18.3	Z	0.2	15.6 (0)	1.2	
		eS	16 03 35	T	0.3	37.2 (0)		
7	CP	eP	16 11 37.0	Z	0.2	1.3 (0)	1.0	
		eS	16 11 50	T	0.2	6.9 (0)		
7	MN	eP	16 13 37.3	Z	1.2	2.6 (0)		
7	LC	eP	17 04 41.3	Z	0.2	7.1 (0)	1.5	
		eS	17 05 00	T	0.3	7.0 (0)		
7	CP	eP	17 27 08.1	Z	0.3	5.1 (0)	0.6	
		eS	17 27 17	T	0.3	4.6 (0)		
7	MN	eP	17 59 00.8	Z	0.2	0.4 (0)	0.4	
		eS	17 59 08	T	0.3	2.4 (0)		
7	LC	eP	18 35 14.2	Z	0.2	1.7 (0)	1.5	
		eS	18 35 34	T	0.3	3.0 (0)		
7	19 20 42.3		39.6 N 111.9 W CENTRAL UTAH					
			H =033 KM MAG 4.90- CGS					
7	DR	eP	19 21 41.0	Z	0.6	20.2 (0)	3.9	4.32
		eP	19 21 42	LZ	29	10.7 (2)		
		eL	19 23 00	LR	16	99.9 (9)		
		e	19 26 09	Z	3.0	22.8 (2)		
7	WI	eP	19 21 50.0	Z	999.9	99.9 (9)	4.6	
		eP	19 21 51	LZ	19	10.9 (2)		
		e	19 22 40	LZ	999.9	99.9 (9)		
		e	19 27 34	LZ	17	55.8 (1)		
7	MN	eP	19 21 56.9	Z	0.5	7.2 (0)	5.0	4.43
		eP	19 21 59	LZ	13	59.1 (1)		
7	MV	eP	19 22 28.8	Z	1.0	35.8 (0)	7.0	5.18
		eP	19 22 33	LZ	22	38.3 (1)		
		eL	19 24 30	T	0.9	33.3 (0)		
		eL	19 24 35	LT	16	42.3 (2)		
7	CP	eP	19 22 36.2	Z	0.5	1.0 (0)	8.0	4.13
		e	19 23 04	Z	0.6	5.3 (0)		
		eL	19 24 45	LT	16	92.8 (2)		
		eL	19 24 46	T	0.8	10.2 (0)		
7	LC	eP	19 22 44.6	Z	0.4	0.4 (0)	8.0	3.83

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	LC	eP	19 22 45	LZ	14	11.1 (1)	8.0	
		e	19 23 08	LR	21	24.9 (1)		
		e	19 23 13	Z	0.7	19.9 (0)		
		eL	19 25 01	T	1.0	10.9 (1)		
7	LV	eP	19 24 53.2	Z	0.4	29.5 (0)	18.0	4.80
		eL	19 30 30	T	1.0	14.2 (1)		
7	BL	eP	19 25 56.4	Z	0.7	9.4 (0)	24.0	4.39
		eS	19 30 13	LR	14	19.9 (2)		
		eL	19 33 23	LR	30	87.6 (1)		
		eL	19 33 24	T	1.6	20.9 (1)		
		eL	19 35 00	LR	15	66.4 (2)		
7	BR	eP	19 26 09.7	Z	0.8	17.7 (0)	25.0	4.74
		eP	19 26 10	LZ	10	75.8 (1)		
		e	19 30 47	LZ	15	12.7 (2)		
		eL	19 34 01	T	2.0	24.6 (1)		
		eL	19 34 10	LZ	15	98.7 (1)		
		eL	19 36 07	LZ	15	36.0 (2)		
7	DH	eP	19 26 31.9	Z	0.8	18.0 (0)	28.0	4.88
		eL	19 35 31	LT	19	23.7 (2)		
							AVG.	4.52
7	DH	eP	19 35 14.1	Z	1.1	50.2 (0)		
7	DH	eP	19 49 54.0	Z	1.1	25.1 (0)		
7	CP	eP	20 58 14.0	Z	0.2	16.3 (0)	0.7	
		eS	20 58 24	T	0.2	17.2 (0)		
7	CP	eP	21 56 17.8	Z	0.2	2.0 (0)	1.4	
		eS	21 56 37	T	0.2	14.4 (0)		
7	MN	eP	23 22 59.6	Z	0.2	1.2 (0)	0.3	
		eS	23 23 05	T	0.2	4.3 (0)		
8	00 15 05.9		57.0 N 134.5 W SOUTHEASTERN ALASKA H =028 KM MAG 3.70- CGS					
8	MN	eP	04 20 41.5	Z	1.3	10.1 (0)	6.0	4.32
		eP	04 20 42	LZ	14	44.2 (1)		
		e	04 20 45	Z	0.8	2.5 (0)		
		eL	04 22 28	LT	20	23.7 (2)		
8	MV	eP	01 14 46.5	Z	0.2	11.9 (0)	3.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	WI	eP	01 15 20.3	Z	0.3	5.7 (0)		
8	MV	eS	01 15 30	T	0.3	14.7 (0)	3.5	
8	DR	eP	01 17 14.7	Z	0.6	1.0 (0)		
8	LC	eP	01 19 13.2	Z	0.9	6.8 (0)		
8	MN	eP	01 19 53.4	Z	0.9	2.0 (0)		
8	WI	eP	01 21 13.0	Z	0.7	2.8 (0)		
8	LC	eLQ	01 24 20	LR	16	64.1 (1)		
8	LC	eLR	01 25 17	LZ	12	38.3 (2)		
8	DR	eL	01 28 50	LZ	15	49.1 (1)		
8	04 19 08.4		40.8 N 125.8 W OFF COAST OF NORTH CALIF. H =033 KM MAG 4.70- CGS					
8	MV	eP	04 20 04.2	Z	0.4	3.4 (0)	3.8	3.73
		e	04 20 11	Z	0.4	17.3 (0)		
		eL	04 20 48	LT	18	99.9 (9)		
		eL	04 20 50	T	0.7	41.0 (0)		
8	WI	eP	04 20 40.7	Z	0.6	1.9 (0)	6.0	3.90
		e	04 20 43	Z	0.5	3.4 (0)		
		eL	04 22 30	LR	24	19.3 (2)		
8	DR	eP	04 22 33.1	Z	1.8	47.3 (0)	14.0	4.82
		eL	04 26 20	LT	18	70.9 (1)		
8	LC	eP	04 23 16.5	Z	1.9	49.6 (0)	18.0	4.34
		eS	04 26 45	LT	20	30.9 (1)		
		eLQ	04 27 44	LT	30	16.3 (2)		
		eLR	04 30 27	LZ	13	53.1 (2)		
8	CP	eL	04 24 20	LR	25	71.4 (1)	11.0	
8	BL	eL	04 37 37	LT	21	38.4 (1)	34.0	
8	DH	eL	04 39 00	LT	19	27.7 (1)	38.0	
8	BR	eL	04 40 58	LZ	15	29.2 (1)	35.0	
							AVG.	4.20
8	CP	eP	05 27 19.8	Z	0.3	8.1 (0)	0.7	
		eS	05 27 30	R	0.3	99.9 (9)		
8	MN	eP	05 34 51.1	Z	0.6	3.6 (0)	3.6	
		eS	05 35 34	R	0.6	10.1 (0)		
8	MV	eP	05 35 49.1	Z	0.3	52.7 (0)		
8	WI	eP	05 36 17.7	Z	0.2	13.0 (0)	3.9	
		eS	05 37 06	R	0.3	99.9 (9)		
8	08 58 04.8		26.7 N 55.7 E NEAR SOUTH COAST OF IRAN H =033 KM MAG 4.80- CGS					
8	CP	eP	10 18 51.5	Z	0.2	25.8 (0)	0.8	
		eS	10 19 03	T	0.2	35.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	11 05 07.5		00.3 N 17.8 W MID ATLANTIC OCEAN H =033 KM MAG 4.90- CGS					
8	BR	eP	11 16 04.9	Z	1.0	8.9 (0)	68.0	4.82
		eL	11 37 04	LZ	21	22.4 (1)		
8	LC	eP	11 18 00.5	Z	2.0	83.7 (0)	89.0	5.58
		eS	11 28 26	LR	15	30.1 (1)		
		ePS	11 29 50	LR	22	38.3 (1)		
		eSS	11 34 30	LR	28	35.0 (1)		
		eSSS	11 37 55	LR	25	25.4 (1)		
		eL	11 49 37	LR	25	33.0 (1)		
8	DR	eP	11 18 05.0	Z	1.8	23.6 (0)	90.0	5.08
		e	11 18 13	Z	1.5	14.6 (0)		
		eL	11 48 15	LZ	29	17.7 (1)		
8	BL	eS	11 25 21	LR	22	75.6 (1)	69.0	
		eL	11 37 15	LZ	32	71.6 (1)		
		eL	11 40 03	LZ	23	66.0 (1)		
		eL	11 40 03	LR	23	75.4 (1)		
		eL	11 40 03	LT	19	16.6 (1)		
8	DH	eL	11 31 30	LZ	28	34.5 (1)	66.0	
8	MN	ePS	11 31 38	LT	33	26.5 (1)	98.0	
		eSS	11 37 03	LR	24	44.0 (1)		
		eLQ	11 52 28	LR	21	22.7 (1)		
		eLR	12 00 13	LZ	19	28.9 (1)		
8	CP	eL	11 52 50	LZ	27	12.5 (1)	97.0	
8	MV	eL	11 53 15	LZ	30	36.1 (1)	100.0	
8	WI	eL	11 53 38	LZ	25	32.4 (1)	97.0	
		eL	11 57 40	LZ	20	84.4 (1)		
		eL	11 57 40	LR	20	47.4 (1)		
		eL	11 57 40	LT	21	71.7 (1)		
							AVG.	5.11
8	11 40 17.1		19.9 S 178.7 W FIJI ISLANDS REGION H =582 KM MAG 4.30- CGS					
8	CP	eP	11 51 25.3	Z	1.0	5.7 (0)	79.0	3.95
8	MV	eP	11 51 26.9	Z	0.7	2.5 (0)	80.0	3.75
8	MN	eP	11 51 34.9	Z	0.9	5.3 (0)	81.0	3.99
8	WI	eP	11 51 45.3	Z	0.7	2.8 (0)	83.0	3.90
8	LC	eP	11 52 00.0	Z	1.3	17.1 (0)	86.0	4.60
							AVG.	4.04
8	MV	eP	12 09 21.3	Z	0.3	2.3 (0)	2.5	
		eS	12 09 53	R	0.4	4.5 (0)		
8	14 12 30.5		57.4 N 154.0 W KODIAK ISLAND, ALASKA H =030 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	MV	eP	14 18 19.7	Z	0.8	1.9 (0)	28.0	3.93
		eL	14 21 10	LZ	20	27.0 (1)		
8	WI	eP	14 18 23.3	Z	0.9	4.4 (0)	28.0	4.22
		eL	14 26 30	LZ	22	17.1 (1)		
8	MN	eP	14 18 39.5	Z	0.8	3.1 (0)	30.0	4.15
		eL	14 26 43	LZ	20	19.5 (1)		
8	CP	eP	14 19 26.7	Z	0.9	4.3 (0)	36.0	4.31
8	DR	eP	14 19 32.5	Z	0.6	3.6 (0)	36.0	4.41
		eL	14 30 50	LZ	25	10.3 (1)		
8	LC	eP	14 20 10.8	Z	0.8	5.2 (0)	41.0	4.34
		eL	14 32 56	LT	33	79.7 (0)		
							AVG.	4.23
8	MN	eP	15 28 42.8	Z	0.5	4.9 (0)	3.7	
		eS	15 29 28	T	0.4	0.9 (0)		
8	15 29 33.5		35.8 N 69.7 E HINDU KUSH REGION H =131 KM					
8	16 02 26.8		36.6 N 28.0 E NEAR S. COAST OF TURKEY H =030 KM MAG 4.70- CGS					
8	BR	eP	17 22 19.2	Z	0.3	3.2 (0)	0.1	
		eS	17 22 23	T	0.4	11.8 (0)		
8	17 49 30.9		65.8 N 153.9 W CENTRAL ALASKA H =033 KM MAG 4.80- CGS					
8	WI	eP	17 55 54.9	Z	0.6	5.7 (0)	32.0	4.61
		eS	18 01 15	LR	22	28.6 (1)		
		eLQ	18 04 13	LT	32	16.0 (2)		
		eLR	18 06 26	LZ	25	17.0 (2)		
		eL	18 06 39	T	2.8	93.5 (0)		
		eL	18 06 40	LZ	24	99.1 (1)		
		eL	18 06 40	LR	21	19.6 (2)		
		eL	18 06 40	LT	20	19.0 (2)		
8	MV	eP	17 56 00.8	Z	1.0	6.7 (0)	32.0	4.46
8	MN	eP	17 56 29.3	Z	1.3	13.4 (0)	34.0	4.68
		eL	18 06 50	LZ	24	45.9 (1)		
8	DR	eP	17 56 56.0	Z	1.0	16.1 (0)	39.0	4.70
		e	18 10 10	T	3.2	12.3 (1)		
8	CP	eP	17 57 05.1	Z	0.7	2.8 (0)	40.0	4.07
8	LC	eP	17 57 36.5	Z	0.9	6.8 (0)	44.0	4.38
8	BL	eP	17 58 17.5	Z	0.7	9.4 (0)	49.0	4.89
		eL	18 15 34	LR	29	68.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	BR	eL	18 14 50	R	3.0	63.5 (1)	48.0	
		eL	18 15 05	LZ	14	13.5 (2)		
						AVG.		4.54
8	BR	eP	18 18 53.2	Z	0.2	7.4 (0)	2.1	
		eS	18 19 20	T	0.3	7.6 (0)		
8	MN	eP	18 25 49.9	Z	0.4	6.6 (0)	3.7	
		eS	18 26 35	T	0.3	1.4 (0)		
8	BR	eP	19 28 23.2	Z	0.2	4.2 (0)	1.5	
		eS	19 28 42	T	0.3	7.6 (0)		
8	DH	eP	19 40 12.0	Z	0.4	7.0 (0)	1.7	
		eS	19 40 35	T	0.4	6.3 (0)		
8	BR	eP	19 48 41.7	Z	0.2	21.3 (0)	0.1	
		eS	19 48 45	T	0.3	27.7 (0)		
8	WI	eP	20 11 30.8	Z	0.2	8.7 (0)	0.1	
		eS	20 11 34	R	0.3	9.1 (0)		
8	21 02 56.9		06.8 N 73.0 W	COLOMBIA				
			H =166 KM MAG	4.00-	CGS			
8	22 01 21.0		17.0 S 174.7 W	TONGA ISLANDS REGION				
			H =095 KM MAG	4.00-	CGS			
8	BR	eP	22 38 19.3	Z	999.9	99.9 (9)		
8	23 51 42.9		37.0 N 90.5 W	SOUTHEASTERN MISSOURI				
			H =025 KM MAG	4.10-	CGS			
9	CP	eP	02 44 53.7	Z	0.2	2.0 (0)	0.3	
		eS	02 44 59	T	0.2	11.8 (0)		
9	DR	eP	02 57 21.2	Z	1.0	2.5 (0)		
9	CP	eP	03 03 23.0	Z	0.2	2.7 (0)	0.7	
		eS	03 03 33	T	0.2	19.7 (0)		
9	03 04 37.4		46.3 N 153.7 E	KURILE ISLANDS REGION				
			H =033 KM MAG	4.80-	CGS			
9	MV	eP	03 14 44.5	Z	0.8	1.9 (0)	60.0	4.22
		eS	03 23 00	LR	25	19.8 (1)		
		eL	03 34 20	LZ	23	73.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	WI	eP	03 14 50.5	Z	1.0	2.2 (0)	61.0	4.22
		eS	03 23 13	LT	15	29.1 (1)		
		eL	03 34 45	LZ	22	20.1 (1)		
9	DR	eP	03 15 43.5	Z	0.9	1.9 (0)	69.0	4.19
		eS	03 24 58	LR	10	53.1 (1)		
		eL	03 42 10	LZ	20	20.1 (1)		
9	CP	eL	03 32 10	LZ	15	29.8 (1)	67.0	
9	LC	eL	03 35 10	LT	21	22.0 (1)	73.0	
9	DH	eL	03 47 47	LR	20	21.2 (1)	82.0	
9	BL	eL	03 51 30	LZ	22	22.3 (1)	83.0	
9	BR	eL	03 53 31	LZ	20	17.4 (1)	82.0	
						AVG.		4.21
9	CP	eP	03 40 45.3	Z	0.3	3.0 (0)	1.1	
		eS	03 40 59	T	0.3	10.3 (0)		
9	04 09 28.6		22.0 N 145.7 E	VOLCANO ISLANDS REGION				
			H =033 KM MAG	4.70-	5 F)S			
9	WI	eP	04 21 39.4	Z	0.9	5.2 (0)	81.0	4.50
9	DR	eP	04 22 23.0	Z	0.9	1.9 (0)	89.0	4.29
		eL	04 52 45	LZ	24	14.9 (1)		
						AVG.		4.40
9	04 20 50.6		15.2 N 94.0 W	MEXICO GUATEMALA BORDER				
			H =033 KM MAG	4.50-	CGS			
9	BL	eP	04 26 14.3	Z	0.7	9.4 (0)	25.0	4.53
		eL	04 34 10	LZ	27	35.4 (1)		
9	DR	eP	04 26 17.0	Z	1.0	5.0 (0)	25.0	4.10
9	CP	eP	04 26 31.5	Z	0.8	1.7 (0)	27.0	3.76
		eL	04 35 40	LZ	18	29.7 (1)		
9	DH	eP	04 27 11.5	Z	0.7	30.8 (0)	32.0	5.27
9	WI	eP	04 27 25.0	Z	0.8	13.5 (0)	33.0	4.89
		e	04 27 36	Z	0.8	26.4 (0)		
		eL	04 37 20	LZ	28	40.3 (1)		
9	LC	eL	04 31 50	LT	18	73.6 (1)	21.0	
9	MV	eL	04 38 24	LZ	18	86.2 (0)	34.0	
		eL	04 40 00	LZ	15	14.5 (1)		
		eL	04 40 00	LR	23	17.9 (1)		
		eL	04 40 00	LT	19	29.9 (1)		
						AVG.		4.51
9	06 16 53.0		00.8 N 121.5 E	CELEBES				
			H =142 KM MAG	4.90-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	CP	eP	08 00 22.2	Z	0.2	17.1 (0)	0.6	
		eS	08 00 32	R	0.2	21.2 (0)		
9	WI	eP	08 30 36.4	Z	0.4	3.1 (0)	0.6	
		eS	08 30 45	R	0.4	3.8 (0)		
9	09 24 33.3		08.5 N 83.0 W COSTA RICO PANAMA BORDER H =031 KM MAG 5.10= CGS					
9	LV	eP	09 29 57.4	Z	1.0	85.8 (0)	25.0	5.34
9	BL	eP	09 30 35.4	Z	0.8	11.2 (0)	29.0	4.68
		eP	09 30 37	LZ	17	71.6 (1)		
		eS	09 35 30	LT	17	10.4 (3)		
		eLR	09 49 00	LZ	31	12.7 (3)		
9	BR	eP	09 30 55.8	Z	1.4	58.3 (0)	32.0	5.25
		eP	09 30 57	LZ	10	39.1 (2)		
		eLR	09 39 40	LZ	31	70.5 (2)		
		eL	09 44 09	T	19.0	28.4 (3)		
9	LC	eP	09 31 03	LZ	11	29.3 (2)	32.0	
		ePP	09 32 13	LZ	13	14.8 (2)		
		eS	09 36 03	LR	999.9	99.9 (9)		
		eSS	09 37 45	LR	16	14.2 (2)		
		eLR	09 41 22	LZ	24	33.9 (2)		
9	DH	eP	09 31 21.0	Z	1.5	12.1 (1)	34.0	5.57
		eP	09 31 23	LZ	13	11.5 (2)		
		eS	09 36 52	LT	24	41.2 (2)		
		eLR	09 40 25	LZ	35	15.6 (3)		
9	DR	eP	09 31 38.1	Z	1.0	5.0 (0)	37.0	4.26
		eP	09 31 42	LZ	15	43.2 (1)		
		ePP	09 33 03	Z	4.0	24.0 (1)		
		ePP	09 33 15	LZ	17	54.5 (1)		
		ePCP	09 34 02	Z	1.3	16.8 (0)		
		eS	09 37 25	LR	25	10.5 (2)		
		eLQ	09 41 30	LT	32	24.2 (2)		
		eLR	09 43 00	LZ	31	37.6 (2)		
		eL	09 48 25	LZ	20	31.6 (2)		
		eL	09 48 25	LR	20	41.1 (2)		
		eL	09 48 25	LT	18	43.7 (2)		
9	CP	eP	09 32 01.1	Z	1.2	17.6 (0)	39.0	4.66
		eP	09 32 03	LZ	13	13.7 (2)		
		eS	09 37 53	LT	24	13.9 (2)		
		eS	09 37 53	LR	18	16.0 (2)		
		eLR	09 45 00	LZ	25	40.2 (2)		
		eL	09 46 58	LZ	25	62.8 (2)		
		eL	09 46 58	LR	20	20.0 (2)		
		eL	09 46 58	LT	25	39.4 (2)		
9	WI	eP	09 32 46.6	Z	1.0	6.8 (0)	45.0	4.47
		eP	09 32 47	LZ	14	73.2 (1)		
		eS	09 39 27	LT	18	14.6 (2)		
		eL	09 47 52	LT	23	15.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	MV	eP	09 32 55.7	Z	1.0	6.6 (0)	46.0	4.56
		eP	09 32 56	LZ	14	66.8 (1)		
		eS	09 39 49	LR	24	10.7 (2)		
		eLQ	09 47 40	LR	30	15.9 (2)		
		eLR	09 48 05	LZ	36	31.8 (2)		
		eL	09 52 01	LZ	25	34.6 (2)		
		eL	09 52 01	LR	24	22.2 (2)		
		eL	09 52 01	LT	23	24.4 (2)		
							AVG.	4.85
9	CP	eP	13 11 43.2	Z	0.2	5.4 (0)	0.8	
		eS	13 11 54	T	0.2	11.8 (0)		
		eP	13 22 59.0	Z	0.2	2.7 (0)		
		eS	13 23 10	T	0.2	16.4 (0)		
9	DH	eP	14 07 24.3	Z	0.7	10.2 (0)		
9	DR	eP	15 10 15.4	Z	0.5	1.4 (0)	4.7	
9	WI	eP	15 10 40.5	Z	0.5	1.7 (0)	4.7	
9	DR	eS	15 11 10	T	0.4	9.4 (0)	4.7	
9	WI	eS	15 11 39	R	0.6	7.3 (0)	4.7	
9	15 20 46.*		39.8 N 111.8 W CENTRAL UTAH H =033 KM MAG 3.60- CGS					
9	DR	eP	15 21 42.5	Z	0.5	1.4 (0)	3.9	3.25
		e	15 21 51	Z	0.5	3.7 (0)		
		eS	15 22 38	T	0.5	16.8 (0)		
9	WI	eP	15 22 02.4	Z	0.5	1.2 (0)	4.6	3.51
		eS	15 23 06	R	0.5	15.8 (0)		
							AVG.	3.38
9	BL	eP	15 24 18.3	Z	0.2	27.1 (0)	0.3	
		eS	15 24 24	T	0.3	62.6 (0)		
9	DH	eP	15 38 56.7	Z	0.4	28.4 (0)	1.9	
		eS	15 39 22	R	0.5	13.2 (1)		
9	BL	eP	15 51 18.4	Z	0.3	10.1 (0)	0.3	
		eS	15 51 24	T	0.3	24.3 (0)		
9	BL	eP	17 16 40.8	Z	0.2	40.7 (0)	0.1	
		eS	17 16 44	T	0.2	37.1 (0)		
9	17 22 54.7		60.0 N 154.5 W SOUTHERN ALASKA H =060 KM MAG 4.40- CGS					
9	DR	eP	17 30 00.1	Z	0.7	6.2 (0)	37.0	4.56

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	17 34 33.2		24.2 N 122.4 E NEAR E. COAST OF FORMOSA H =033 KM MAG 4.80- CGS					
9	MV	eP	17 47 47.0	Z	0.9	2.5 (0)	93.0	4.62
9	WI	eP	17 47 52.5	Z	1.3	8.8 (0)	94.0	4.96
9	LC	eL	18 30 50	LR	25	56.3 (0)	107.0	
9	DH	eL	18 35 15	LR	25	21.0 (1)	112.0	
9	BL	eLQ	18 37 15	LZ	23	33.4 (1)	114.0	
9	BR	eLR	18 43 30	LZ	21	17.3 (1)	113.0	
							AVG.	4.79
9	BL	eP	17 42 15.7	Z	0.2	4.5 (0)	1.6	
		eS	17 42 38	T	0.3	48.7 (0)		
9	BR	eP	18 19 29.6	Z	0.5	5.5 (0)	0.9	
		eS	18 19 42	T	0.5	37.0 (0)		
9	BL	eP	18 25 13.1	Z	0.3	81.4 (0)	0.1	
		eS	18 25 16	T	0.4	12.7 (1)		
9	18 56 12.6		29.1 S 68.1 W LA RIOJA PROV., ARGENTINA H =033 KM MAG 4.80- CGS					
9	BL	eP	19 07 13.4	Z	1.0	19.0 (0)	68.0	5.14
9	BR	eP	19 07 20.3	Z	0.8	5.8 (0)	69.0	4.72
9	DH	eP	19 07 31.9	Z	0.9	15.8 (0)	71.0	5.04
		eL	19 34 05	LZ	28	38.7 (1)		
9	CP	eP	19 08 02.4	Z	1.0	8.6 (0)	77.0	4.73
9	WI	eP	19 08 39.1	Z	1.0	8.0 (0)	84.0	4.80
9	LC	eS	19 16 40	LT	18	25.9 (1)	71.0	
		eSSS	19 24 50	LT	33	14.3 (1)		
		eLQ	19 28 30	LR	26	23.8 (1)		
		eLR	19 32 50	LZ	22	23.4 (1)		
9	DR	eL	19 36 25	LZ	24	17.4 (1)	76.0	
							AVG.	4.89
9	DR	eP	19 07 12.3	Z	0.3	3.1 (0)	2.4	
		eS	19 07 43	R	0.3	1.7 (0)		
9	BL	eP	19 22 33.0	Z	0.2	13.5 (0)	0.4	
		eS	19 22 39	T	0.3	24.3 (0)		
9	BL	eP	20 01 50.6	Z	0.2	31.6 (0)	0.1	
		eS	20 01 54	R	0.3	74.5 (0)		
9	WI	eP	20 05 36.3	Z	0.3	7.3 (0)	0.1	
		eS	20 05 39	R	0.3	13.4 (0)		
9	20 25 28.8		40.1 N 111.3 W CENTRAL UTAH H =033 KM MAG 4.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	DR	eP	20 26 24.3	Z	0.4	19.8 (0)	3.8	4.49
		eS	20 27 18	T	0.5	99.9 (9)		
		eL	20 27 35	LZ	10	25.6 (2)		
9	WI	eP	20 26 40.9	Z	0.3	3.2 (0)	4.8	4.13
		e	20 26 58	Z	0.4	15.7 (0)		
		eL	20 27 58	R	0.4	21.3 (0)		
		eL	20 28 02	LT	12	72.5 (1)		
9	MV	eP	20 27 23.0	Z	0.6	1.3 (0)	8.0	4.16
		e	20 29 31	Z	0.8	2.9 (0)		
		eL	20 30 20	LZ	12	39.4 (1)		
9	CP	eP	20 27 33.6	Z	0.4	0.9 (0)	8.0	4.19
		eL	20 30 14	T	0.8	2.4 (0)		
		eL	20 30 40	LZ	11	17.8 (2)		
							AVG.	4.24
9	DH	eP	21 17 45.8	Z	0.6	8.6 (0)	1.7	
		eS	21 18 08	T	0.5	24.2 (0)		
9	BL	eP	21 26 39.2	Z	0.2	9.0 (0)	0.5	
		eS	21 26 47	T	0.3	48.7 (0)		
9	CP	eP	22 12 30.2	Z	0.2	1.3 (0)	3.5	
		eS	22 13 13	T	0.4	1.9 (0)		
10	02 11 58.3		36.5 N 71.8 E HINDU KUSH H =033 KM MAG 4.90- CGS					
10	03 14 41.8		46.3 N 153.4 E KURILE ISLANDS REGION H =033 KM MAG 4.80- CGS					
10	04 29 25.1		29.7 S 177.2 W KERMADEC ISLANDS H =033 KM MAG 4.40- CGS					
10	05 22 57.1		46.3 N 152.9 E KURILE ISLANDS REGION H =033 KM MAG 5.60- CGS					
10	07 19 41.*		39.8 N 23.9 E AEGEAN SEA H =127 KM MAG 4.20- CGS					
10	09 20 39.0		46.3 N 154.0 E KURILE ISLANDS H =033 KM MAG 3.90- CGS					
10	09 49 29.6		13.4 N 44.9 W NORTH ATLANTIC OCEAN H =037 KM MAG 4.90- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10			11 47 35.1	16.3 S 72.2 W	SOUTHERN PERU			
				H =090 KM MAG	4.10= CGS			
10			12 07 35.*	39.7 N 112.0 W	CENTRAL UTAH			
				H =033 KM MAG	3.40= CGS			
10			13 54 22.6	46.1 N 153.9 E	KURILE ISLANDS REGION			
				H =033 KM MAG	4.80= CGS			
10			16 48 42.2	30.2 S 177.8 W	KERMADEC ISLANDS REGION			
				H =025 KM MAG	4.70= CGS			
10			18 22 47.9	08.8 N 82.9 W	PANAMA			
				H =051 KM MAG	4.30= CGS			
10			18 32 50.6	39.9 N 111.4 W	CENTRAL UTAH			
				H =033 KM MAG	4.20= CGS			
10			19 52 19.4	19.2 N 145.2 E	MARIANA ISLANDS REGION			
				H =171 KM MAG	5.40= CGS			
10			20 21 49.*	53.0 N 171.4 W	FOX ALEUTIAN ISLANDS			
				H =033 KM MAG	4.40= CGS			
10			21 06 55.9	18.2 S 167.7 E	NEW HEBRIDES ISLANDS			
				H =033 KM				
10			22 25 04.4	18.3 S 167.8 E	NEW HEBRIDES ISLANDS			
				H =033 KM				
10			22 31 48.5	18.3 S 167.7 E	NEW HEBRIDES ISLANDS			
				H =033 KM				
10			22 49 37.5	08.5 N 83.0 W	PANAMA COSTA RICO BORDER			
				H =048 KM MAG	4.10= CGS			
11	MV	eP	04 18 30.3	Z	0.3	1.1 (0)	0.1	
		eS	04 18 32	T	0.3	9.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11			07 04 49.8	16.8 N 91.3 W	CHIAPAS, MEXICO			
				H =033 KM MAG	3.50= CGS			
11	LC	eP	07 09 30.6	Z	0.5	0.9 (0)	21.0	3.35
11	WI	eP	07 11 31.0	Z	0.8	1.3 (0)	33.0	3.89
							AVG.	3.62
11	LC	eL	08 00 00	LR	17	24.9 (1)		
11	BL	eP	08 08 12.5	Z	0.5	7.1 (0)		
11	CP	eP	12 19 22.5	Z	0.3	1.5 (0)	1.4	
		eS	12 19 41	R	0.4	3.9 (0)		
11			13 20 13.1	16.6 N 99.1 W	NEAR COAST OF OAXACO, MEX.			
				H =033 KM MAG	4.50= CGS			
11	LC	eP	13 24 11.8	Z	1.3	6.9 (0)	17.0	3.65
		eL	13 29 31	LR	18	65.7 (1)		
		eL	13 29 32	R	3.5	16.6 (1)		
11	DR	eP	13 25 07.6	Z	1.0	11.1 (0)	22.0	4.21
		eL	13 31 45	LT	21	17.4 (1)		
11	CP	eP	13 25 16.7	Z	1.2	13.1 (0)	22.0	4.20
		eL	13 33 45	LZ	13	35.2 (1)		
11	MN	eP	13 26 01.3	Z	1.2	4.8 (0)	27.0	4.04
		eL	13 35 20	LR	20	87.5 (0)		
11	WI	eP	13 26 15.0	Z	0.8	3.3 (0)	29.0	4.15
		eL	13 36 20	LT	14	12.3 (2)		
							AVG.	4.05
11			14 18 29.5	06.8 N 72.9 W	COLOMBIA			
				H =164 KM MAG	4.00= CGS			
11	LC	eP	14 25 53.1	Z	1.0	14.3 (0)	40.0	4.56
		eL	14 41 18	LR	18	15.0 (1)		
11	DR	eP	14 26 22.7	Z	0.7	2.4 (0)	44.0	3.85
11	WI	eP	14 27 26.5	Z	0.5	2.5 (0)	52.0	4.19
							AVG.	4.20
11	DH	eP	16 23 52.2	Z	0.3	3.6 (0)	1.3	
		eS	16 24 02	R	0.4	40.0 (0)		
11	CP	eP	17 21 02.4	Z	0.3	4.0 (0)	1.3	
		eS	17 21 20	R	0.3	15.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	17 49 09.0		12.0 S 166.5 E SANTA CRUZ IS. REGION H =144 KM MAG 4.20- CGS					
11	MV	eP	17 59 55.5	Z	0.3	2.3 (0)	2.3	
11	MN	eP	18 00 03.5	Z	0.3	1.6 (0)	2.9	
11	MV	eS	18 00 25	T	0.3	8.8 (0)	2.3	
11	MN	eS	18 00 39	R	0.3	7.6 (0)	2.9	
11	DH	eP	19 50 34.0	Z	0.2	24.2 (0)	2.1	
		eS	19 51 01	R	0.3	31.1 (0)		
11	22 16 26.*		17.7 S 179.1 W FIJI ISLANDS H =588 KM MAG 3.50- CGS					
12	MN	eP	00 04 27.6	Z	0.7	0.8 (0)		
12	MN	eP	03 14 26.8	Z	1.0	3.5 (0)		
12	WI	eP	03 14 38.0	Z	1.0	2.2 (0)		
12	CP	eP	03 14 46.3	Z	1.0	2.8 (0)		
12	LC	eP	03 14 54.5	Z	1.0	2.3 (0)		
12	MV	eL	03 31 10	LZ	28	13.7 (1)		
12	CP	eL	03 36 55	LZ	25	31.0 (1)		
12	WI	eL	03 38 35	LZ	24	13.3 (1)		
12	LC	eL	03 40 05	LZ	25	15.3 (1)		
12	LC	eL	03 42 40	LR	22	18.2 (1)		
12	LC	eL	03 42 40	LT	20	19.8 (1)		
12	LC	eL	03 42 40	LZ	21	25.0 (1)		
12	DR	eL	03 50 00	LZ	27	20.9 (1)		
12	BL	eL	03 51 49	LR	29	15.0 (1)		
12	BR	eLR	03 54 45	LZ	22	16.0 (1)		
12	DH	eLR	03 55 50	LZ	25	12.5 (1)		
12	MN	eP	04 15 21.3	Z	0.6	0.7 (0)		
12	05 38 11.2		06.1 S 106.2 E JAVA H =133 KM MAG 5.40- CGS					
12	MV	eP'	05 57 00.5	Z	1.0	4.9 (0)	126.0	
12	WI	eP'	05 57 04.7	Z	0.7	1.1 (0)	128.0	
12	DH	eP'1	05 57 31.1	Z	0.7	15.4 (0)	144.0	
12	BR	eP'1	05 57 37.4	Z	0.6	11.4 (0)	146.0	
12	LC	eP	05 57 20.5	Z	1.0	2.3 (0)	140.0	
		ePP	06 00 52	Z	1.0	3.5 (0)		
12	BL	eP'1	05 57 42.2	Z	0.7	9.6 (0)	148.0	
12	DR	eSKP	06 00 41	Z	0.8	1.5 (0)	136.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	06 43 51.5		07.0 N 73.2 W COLOMBIA H =127 KM MAG 4.50- CGS					
12	LC	eP	06 51 17.3	Z	1.0	23.9 (0)	40.0	4.89
		eL	07 08 10	LZ	22	89.8 (0)		
12	DR	eP	06 51 46.6	Z	0.7	4.4 (0)	44.0	4.22
12	MN	eP	06 52 44.5	Z	0.7	1.3 (0)	51.0	3.93
		eL	07 03 10	LZ	15	12.5 (1)		
12	WI	eP	06 52 50.1	Z	0.6	3.3 (0)	52.0	4.40
							AVG.	4.36
12	06 54 43.6		50.1 N 129.8 W VANCOUVER ISLAND REGION H =033 KM MAG 4.00- CGS					
12	WI	eP	06 57 39.4	Z	1.0	3.4 (0)	12.0	4.40
12	MN	eP	06 58 45.0	Z	0.9	1.3 (0)	14.0	3.57
12	DR	eP	06 59 19.2	Z	1.3	9.8 (0)	20.0	3.91
12	BL	eL	07 13 55	LT	18	12.9 (1)	36.0	
12	DH	eL	07 14 40	LT	19	16.3 (1)	38.0	
12	BR	eL	07 17 00	LZ	13	49.6 (1)	37.0	
							AVG.	3.96
12	07 55 02.3		17.9 S 178.5 W FIJI ISLANDS H =550 KM MAG 4.60- CGS					
12	CP	eP	08 06 04.2	Z	1.0	12.9 (0)	78.0	4.31
12	MV	eP	08 06 04.6	Z	0.8	6.8 (0)	78.0	4.13
12	MN	eP	08 06 12.9	Z	0.9	8.7 (0)	80.0	4.18
12	WI	eP	08 06 23.7	Z	0.8	10.0 (0)	82.0	4.40
12	LC	eP	08 06 41.0	Z	1.0	8.3 (0)	85.0	4.32
12	DR	eP	08 06 46.5	Z	1.0	2.5 (0)	86.0	3.85
							AVG.	4.20
12	12 23 27.5		50.2 N 129.7 W VANCOUVER ISLAND REGION H =033 KM MAG 4.50- CGS					
12	WI	eP	12 26 22.0	Z	1.2	12.2 (0)	12.0	4.87
		e	12 26 37	Z	1.2	10.4 (0)		
		eL	12 30 00	LZ	20	38.7 (1)		
12	MV	eP	12 26 26.5	Z	0.8	2.9 (0)	12.0	4.43
		eL	12 30 00	LZ	18	35.7 (1)		
12	MN	eP	12 26 48.2	Z	1.2	5.3 (0)	14.0	4.05
		eL	12 31 00	LZ	25	34.4 (1)		
12	DR	eP	12 28 01.5	Z	1.3	9.8 (0)	20.0	3.91

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	DR	eL	12 34 40	LZ	23	19.7 (1)	20.0	
12	CP	eP	12 28 01.6	Z	1.0	5.7 (0)	20.0	3.79
12	LC	eP	12 28 50.0	Z	1.0	5.9 (0)	25.0	4.17
		eL	12 36 03	LZ	30	15.0 (1)		
12	BL	eL	12 42 05	LR	21	19.9 (1)	36.0	
12	DH	eLQ	12 42 47	LT	22	36.1 (1)	38.0	
		eLR	12 46 20	LZ	16	35.5 (1)		
12	BR	eL	12 45 40	LZ	14	83.2 (1)	37.0	
							AVG.	4.20

12 12 52 41.4 50.4 N 129.0 W VANCOUVER ISLAND
H =033 KM MAG 4.00- CGS

12	WI	eP	12 55 34.4	Z	1.5	23.3 (0)	12.0	5.06
		eL	12 59 00	LR	25	31.7 (1)		
12	MN	eP	12 56 02.3	Z	1.6	12.0 (0)	14.0	4.27
		eL	12 59 40	LR	20	88.8 (0)		
12	CP	eP	12 57 13.5	Z	1.2	4.4 (0)	20.0	3.59
12	DR	eP	12 57 14.6	Z	1.4	18.2 (0)	20.0	4.14
		eL	13 03 48	LZ	24	17.2 (1)		
12	LC	eP	12 58 03.5	Z	1.0	3.5 (0)	25.0	3.95
		eL	13 05 20	LZ	35	14.8 (1)		
12	MV	eL	12 59 15	LZ	19	29.1 (1)	12.0	
12	DH	eLQ	13 12 00	LT	21	30.1 (1)	38.0	
		eLR	13 15 45	LZ	15	34.5 (1)		
12	BR	eL	13 14 50	LZ	14	83.2 (1)	36.0	
							AVG.	4.20

12	BR	eP	13 33 23.3	Z	1.2	19.6 (0)		

12 14 03 38.3 50.3 N 129.6 W NEAR VANCOUVER ISLAND
H =033 KM MAG 4.80- CGS

12	WI	eP	14 06 33.3	Z	1.4	81.1 (0)	12.0	5.63
		eP	14 06 35	LZ	13	36.3 (1)		
		ePP	14 06 41	Z	1.6	13.3 (1)		
		eS	14 08 53	LT	24	75.9 (1)		
		eL	14 10 13	LZ	20	30.9 (2)		
12	MV	eP	14 06 34.8	Z	1.5	19.4 (0)	13.0	4.88
		eP	14 06 35	LZ	13	23.3 (1)		
		e	14 06 40	Z	1.5	19.4 (0)		
		eS	14 09 00	LR	16	46.5 (1)		
		eLR	14 10 15	LZ	19	13.7 (2)		
12	MN	eP	14 07 00.8	Z	1.6	42.2 (0)	14.0	4.82
		eP	14 07 02	LZ	16	18.8 (1)		
		e	14 07 08	Z	1.4	68.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	14 10 37	LT	27	16.0 (2)		
12	CP	eP	14 08 10.6	Z	1.7	53.8 (0)	20.0	4.53
		eS	14 12 05	LT	20	54.4 (1)		
		eL	14 13 55	LZ	19	45.2 (1)		
12	DR	eP	14 08 12.4	Z	1.5	17.6 (1)	20.0	5.10
		eP	14 08 15	LZ	16	24.4 (1)		
		eS	14 12 10	LT	18	36.7 (1)		
		eLR	14 14 08	LZ	28	10.5 (2)		
12	LC	eP	14 08 59.0	Z	1.0	11.9 (0)	25.0	4.47
		eP	14 09 00	LZ	10	32.8 (1)		
		eS	14 13 25	LR	20	25.7 (1)		
		eSS	14 14 11	LR	15	22.4 (1)		
		eL	14 16 16	LZ	30	64.7 (1)		
		eL	14 19 00	LZ	17	13.3 (2)		
		eL	14 19 00	LR	17	13.9 (2)		
		eL	14 19 00	LT	15	10.3 (2)		
12	BL	eP	14 10 42.1	Z	1.2	29.7 (0)	36.0	5.02
		ePCS	14 16 28	LR	21	26.5 (1)		
		eL	14 21 45	LT	29	62.6 (1)		
12	DH	eLQ	14 22 25	LT	21	14.1 (2)	38.0	
		eLR	14 26 25	LZ	16	21.3 (2)		
12	BR	eL	14 25 28	LZ	15	38.7 (2)	37.0	
							AVG.	4.92

12	DH	eP	15 01 08.2	Z	0.2	4.9 (0)	2.0	
		eS	15 01 35	R	0.3	10.3 (0)		
12	BR	eP	15 03 48.5	Z	0.3	2.6 (0)	1.1	
		eS	15 04 03	T	0.3	7.5 (0)		

12 15 28 08.5 46.8 N 153.6 E KURILE ISLANDS
H =033 KM MAG 4.80- CGS

12	MV	eP	15 38 11.5	Z	0.6	1.3 (0)	60.0	4.19
		e	15 38 27	Z	1.2	17.8 (0)		
		ePCP	15 39 38	LZ	15	19.6 (1)		
		eS	15 46 23	LT	16	75.6 (1)		
		eSCS	15 47 40	LT	15	66.0 (1)		
		eLQ	15 53 15	LT	27	11.5 (2)		
		eLR	15 56 15	LZ	22	57.2 (1)		
12	WI	eP	15 38 18.0	Z	1.0	2.2 (0)	61.0	4.22
		e	15 38 31	Z	1.3	17.4 (0)		
		ePCP	15 39 26	LZ	15	23.6 (1)		
		eS	15 46 35	LR	20	60.8 (1)		
		eS	15 46 35	LT	17	91.2 (1)		
		eSCS	15 48 03	LR	18	67.2 (1)		
		eLQ	15 53 30	LR	20	54.0 (1)		
		eLR	15 56 55	LZ	35	95.9 (1)		
		eL	16 03 10	LZ	19	10.7 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	16 03 10	LR	19	67.4 (1)		
		eL	16 03 10	LT	21	74.6 (1)		
12	MN	eP	15 38 29.3	Z	1.0	3.5 (0)	62.0	4.47
		e	15 39 50	LZ	15	23.0 (1)		
		eS	15 46 57	LT	16	97.0 (1)		
		eSCS	15 48 23	LT	16	85.3 (1)		
		eSS	15 51 00	LR	26	38.8 (1)		
		eSSS	15 53 40	LR	16	42.8 (1)		
		eLQ	15 54 00	LT	30	54.8 (1)		
		eLR	16 01 40	LZ	15	62.8 (1)		
		eL	16 03 50	LZ	20	30.8 (1)		
		eL	16 03 50	LR	20	22.8 (1)		
		eL	16 03 50	LT	16	40.7 (1)		
12	CP	eP	15 39 00.5	Z	0.8	1.7 (0)	67.0	4.22
		eS	15 47 57	LT	20	39.6 (1)		
		e	15 50 00	Z	0.5	1.6 (0)		
		eL	15 59 08	LZ	24	57.1 (1)		
12	DR	eP	15 39 13.0	Z	1.0	5.1 (0)	69.0	4.57
		e	15 39 25	Z	1.7	42.5 (0)		
		ePCP	15 39 38	LZ	14	18.0 (1)		
		eS	15 48 20	LR	16	65.5 (1)		
		eS	15 48 20	LT	15	10.6 (2)		
		eSCS	15 49 33	LR	17	30.9 (1)		
		eSS	15 52 58	LR	27	37.3 (1)		
		eLR	16 01 05	LZ	27	86.5 (1)		
		eL	16 09 07	LZ	22	39.6 (1)		
		eL	16 09 07	LR	24	66.5 (1)		
		eL	16 09 07	LT	21	52.2 (1)		
12	LC	eP	15 39 36.5	Z	1.0	3.5 (0)	73.0	4.35
		eP	15 39 37	LZ	15	60.4 (0)		
		eS	15 49 10	LT	16	69.6 (1)		
		eLQ	15 57 21	LR	15	27.1 (1)		
		eLR	16 07 00	LZ	15	64.4 (1)		
		eL	16 10 25	LZ	20	43.8 (1)		
		eL	16 10 25	LR	21	62.2 (1)		
		eL	16 10 25	LT	18	35.4 (1)		
12	DH	eP	15 40 24.0	Z	0.8	18.3 (0)	81.0	5.09
		eP	15 40 25	LZ	13	20.4 (1)		
		eL	15 59 55	LZ	20	25.2 (1)		
12	BR	eP	15 40 25.0	Z	1.3	31.5 (0)	82.0	5.18
		eP	15 40 26	LZ	11	80.5 (1)		
		eLR	16 14 40	LZ	20	43.6 (1)		
12	BL	eS	15 50 45	LT	15	94.2 (1)	82.0	
		eL	16 13 05	LZ	25	38.3 (1)		
							AVG.	4.54
12	CP	eP	16 58 10.0	Z	0.3	16.4 (0)	1.3	
		eS	16 58 28	R	0.3	15.3 (0)		
12	BR	eP	17 02 17.8	Z	0.2	4.3 (0)	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	17 02 36	T	0.4	7.2 (0)		
12	BR	eP	17 48 44.6	Z	0.2	3.4 (0)	1.6	
		eS	17 49 07	T	0.4	31.1 (0)		
12	17 54 21.9	35.9 S 71.9 W CENTRAL CHILE H =062 KM						
12	LC	eP	18 06 01.4	Z	0.6	1.0 (0)	75.0	3.89
		e	18 06 21	Z	0.6	3.0 (0)		
12	BR	eP	17 57 16.0	Z	0.2	3.4 (0)	1.4	
		eS	17 57 32	T	0.2	7.0 (0)		
12	CP	eP	18 50 10.4	Z	0.4	18.8 (0)	3.4	
		eS	18 50 52	R	0.4	18.1 (0)		
12	BR	eP	19 09 18.9	Z	0.2	1.7 (0)	1.5	
		eS	19 09 37	T	0.3	7.5 (0)		
12	WI	eP	19 39 01.0	Z	0.4	0.7 (0)	6.2	
		eL	19 40 14	R	0.5	1.2 (0)		
12	BR	eP	20 04 28.3	Z	0.3	1.9 (0)	2.0	
		eS	20 04 56	T	0.4	8.6 (0)		
12	LC	eP	20 11 52.5	Z	0.3	14.9 (0)	1.5	
		eS	20 12 11	R	0.3	7.5 (0)		
12	BR	eP	20 19 34.5	Z	0.2	10.4 (0)	1.7	
		eS	20 19 44	T	0.3	16.5 (0)		
12	MV	eP	22 49 14.6	Z	0.3	1.7 (0)	2.9	
		eS	22 49 52	R	0.3	2.3 (0)		
12	WI	eP	23 41 38.8	Z	0.2	4.3 (0)	4.5	
		eS	23 42 33	T	0.4	2.6 (0)		
12	23 42 03.*	33.9 N 140.7 E S. COAST OF HONSHU, JAPAN H =073 KM MAG 4.40 CGS						
12	WI	eP	23 53 54.6	Z	1.0	3.4 (0)	76.0	4.21
12	DR	eP	23 54 45.1	Z	1.0	2.5 (0)	85.0	4.18
13	MN	eLQ	00 13 37	LT	24	33.8 (1)	77.0	
		eLR	00 19 20	LZ	23	51.9 (1)		
		eL	00 20 57	LZ	22	80.5 (1)		
		eL	00 20 57	LR	21	77.7 (1)		
		eL	00 20 57	LT	23	40.7 (1)		
13	MV	eLR	00 17 01	LZ	23	28.8 (1)	75.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	LC	eLQ	00 19 07	LT	24	12.7 (1)	89.0	
		eLR	00 25 28	LZ	22	18.6 (1)		
13	CP	eL	00 21 00	LZ	23	72.1 (1)	82.0	
13	DR	eL	00 23 44	LZ	24	26.3 (1)	85.0	
13	BR	eL	00 35 42	LZ	23	15.7 (1)	98.0	
13	DH	eL	00 35 54	LZ	21	18.6 (1)	97.0	
13	BL	eL	00 36 20	LZ	22	44.7 (1)	99.0	
						AVG.		4.20

12 23 51 16.0 05.5 S 153.3 E NEW BRITAIN
H =056 KM MAG 5.00- CGS

13	CP	eP	01 58 43.5	Z	0.2	5.4 (0)	1.6	
		eS	01 59 05	R	0.3	4.9 (0)		
13	CP	eP	03 24 27.3	Z	0.2	4.1 (0)	0.9	
		eS	03 24 38	R	0.2	14.5 (0)		
13	MN	eP	03 56 57.8	Z	0.8	0.5 (0)		
13	MN	eP	05 13 03.5	Z	0.7	0.4 (0)		

13 07 26 15.3 31.8 S 71.0 W CENTRAL CHILE
H =102 KM MAG 4.10- CGS

13 08 24 24.7 29.6 N 51.0 E NEAR WEST COAST OF IRAN
H =044 KM MAG 5.00- CGS

13 08 51 33.6 46.0 N 154.1 E KURILE ISLANDS REGION
H =033 KM MAG 4.10- CGS

13	LC	eP	10 17 58.1	Z	0.2	0.5 (0)	1.7	
		eS	10 18 21	R	0.3	3.5 (0)		
13	BL	eP	13 33 15.2	Z	0.2	11.7 (1)	0.3	
		eS	13 33 21	T	0.3	21.2 (1)		

13 13 58 25.7 44.3 N 148.8 E KURILE ISLANDS
H =033 KM MAG 4.60- CGS

13	MV	eP	14 09 01.6	Z	1.3	15.9 (0)	64.0	4.98
		eL	14 27 55	LZ	19	73.6 (0)		
13	WI	eP	14 09 04.3	Z	0.6	1.8 (0)	65.0	4.39
		e	14 09 18	Z	0.9	11.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	WI	eL	14 31 49	LT	24	23.6 (1)	65.0	
13	MN	eP	14 09 13.2	Z	0.8	3.5 (0)	66.0	4.54
		e	14 09 27	Z	1.0	17.0 (0)		
		eL	14 29 53	LZ	22	49.5 (0)		
13	CP	eP	14 09 51.3	Z	0.7	1.4 (0)	71.0	4.11
		eL	14 34 15	LZ	20	22.3 (1)		
13	DR	eP	14 09 55.7	Z	0.9	1.9 (0)	73.0	4.13
		e	14 10 10	Z	0.9	9.7 (0)		
		eL	14 38 31	LZ	22	96.2 (0)		
13	LC	eP	14 10 19.3	Z	0.8	2.0 (0)	77.0	4.21
		e	14 10 32	Z	1.0	5.8 (0)		
		eL	14 35 05	LZ	19	48.6 (0)		
13	BL	eP	14 11 07.2	Z	0.6	3.9 (0)	87.0	4.75
13	DH	eL	14 46 15	LZ	26	95.5 (0)	85.0	
							AVG.	4.44

13 14 06 23.7 24.3 N 122.3 E RYUKYU ISLANDS
H =033 KM MAG 4.90- CGS

13	MV	eP	14 19 37.3	Z	0.9	3.8 (0)	93.0	4.79
13	MN	eP	14 19 49.0	Z	0.7	0.8 (0)	96.0	4.38
		eL	14 51 45	LZ	25	16.0 (1)		
13	CP	eL	14 54 00	LZ	20	22.3 (1)	100.0	
13	LC	eL	15 03 40	LZ	23	19.2 (1)	107.0	
13	BL	eL	15 05 20	LZ	26	40.1 (1)	114.0	
13	BR	eL	15 10 19	LZ	20	22.6 (1)	113.0	
							AVG.	4.58

13	MN	eP	14 41 45.9	Z	0.2	4.8 (0)	0.1	
		eS	14 41 49	R	0.4	11.1 (0)		
13	CP	eP	16 22 19.0	Z	999.9	99.9 (9)		
13	MN	eP	17 37 54.7	Z	0.2	1.2 (0)	1.5	
		eS	17 38 14	R	0.3	1.3 (0)		
13	LC	eP	18 12 03.2	Z	1.0	4.7 (0)		
13	MN	eP	18 13 29.1	Z	1.0	4.2 (0)		
13	WI	eP	18 14 29.0	Z	0.9	3.4 (0)		
13	BL	eP	18 24 12.6	Z	0.3	13.5 (0)	0.7	
		eS	18 24 22	R	0.3	88.9 (0)		
13	CP	eP	18 39 37.2	Z	0.2	6.1 (0)	0.1	
		eS	18 39 40	R	0.3	99.9 (9)		

13 19 08 39.1 24.9 N 70.3 E EAST PAKISTAN
H =033 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	BL	eP	19 20 35.9	Z	0.3	11.5 (1)	0.1	
		eS	19 20 39	T	999.9	99.9 (9)		
13	MN	eP	23 00 11.6	Z	0.2	4.8 (0)	0.1	
		eS	23 00 15	T	0.3	6.5 (0)		
13	CP	eP	23 19 46.3	Z	0.2	1.3 (0)	0.7	
		eS	23 19 56	R	0.2	9.2 (0)		
14	00 02 22.8		30.5 S 177.2 W KERMADEC ISLANDS REGION H =033 KM MAG 5.30- CGS					
14	MN	eP	00 15 10.3	Z	1.4	11.3 (0)	88.0	4.90
		eS	00 26 01	LR	16	17.3 (2)		
		eLQ	00 38 40	LR	25	71.8 (1)		
		eLR	00 42 44	LZ	27	48.0 (1)		
14	MV	eS	00 25 47	LR	17	10.9 (2)	87.0	
		eL	00 37 45	LR	27	64.8 (1)		
14	WI	eS	00 25 55	LR	17	11.3 (2)	90.0	
		ePS	00 27 50	LR	20	46.9 (1)		
		eLQ	00 39 00	LR	26	54.8 (1)		
		eLR	00 44 10	LZ	24	49.3 (1)		
14	DR	eS	00 26 43	LR	17	11.7 (2)	94.0	
		eSS	00 32 55	LR	19	37.1 (1)		
		eLQ	00 41 55	LR	23	82.1 (1)		
		eLR	00 48 35	LZ	21	19.7 (2)		
		eL	00 49 45	LZ	21	21.7 (2)		
		eL	00 49 45	LR	19	61.9 (1)		
		eL	00 49 45	LT	20	15.9 (2)		
14	CP	eLR	00 48 25	LZ	20	18.5 (2)	85.0	
14	DH	eLQ	00 55 20	LT	18	53.7 (1)	118.0	
		eLR	01 00 00	LZ	25	58.6 (1)		
14	BL	eL	00 56 10	LZ	25	22.2 (1)	112.0	
		eL	01 03 05	LZ	20	12.3 (2)		
		eL	01 03 05	LR	19	17.0 (2)		
		eL	01 03 05	LT	17	59.4 (1)		
14	BR	eLR	00 58 50	LZ	26	63.6 (1)	115.0	
14	MV	eP	00 41 28.9	Z	0.3	1.1 (0)	0.7	
		eS	00 41 39	T	0.4	3.4 (0)		
14	WI	eP	01 08 43.4	Z	0.2	6.6 (0)	0.1	
		eS	01 08 46	R	999.9	99.9 (9)		
14	01 31 10.0		46.3 N 153.2 E KURILE ISLANDS REGION H =033 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	02 02 09.6		21.1 N 121.4 E BATAN ISLANDS REGION H =058 KM					
14	03 59 12.4		30.5 S 177.3 W KERMADEC ISLANDS REGION H =050 KM MAG 4.70- CGS					
14	CP	eP	04 11 46.4	Z	1.0	2.8 (0)	85.0	4.30
		eLR	04 40 59	LZ	20	32.7 (1)		
14	MV	eP	04 11 55.0	Z	1.0	4.9 (0)	87.0	4.59
		eS	04 22 32	LR	16	21.6 (1)		
		eLQ	04 35 15	LR	23	17.4 (1)		
		eLR	04 41 00	LZ	21	30.9 (1)		
14	MN	eP	04 11 57.7	Z	1.4	7.5 (0)	88.0	4.68
		eS	04 22 48	LR	17	29.1 (1)		
		eLR	04 41 45	LZ	22	18.1 (1)		
		eL	04 55 25	LZ	17	10.1 (2)		
		eL	04 55 25	LR	17	42.8 (1)		
		eL	04 55 25	LT	17	94.5 (1)		
14	WI	eP	04 12 09.5	Z	1.3	8.9 (0)	90.0	4.78
		eLR	04 42 50	LZ	22	37.1 (1)		
		eL	04 47 12	LZ	20	71.1 (1)		
		eL	04 47 12	LR	20	30.2 (1)		
		eL	04 47 12	LT	20	67.1 (1)		
14	LC	eP	04 12 19.3	Z	1.5	7.0 (0)	92.0	4.77
		eS	04 22 58	LT	17	30.7 (1)		
		eLR	04 44 10	LZ	21	18.3 (1)		
		eL	04 50 00	LZ	19	42.4 (1)		
		eL	04 50 00	LR	19	24.3 (1)		
		eL	04 50 00	LT	18	37.9 (1)		
14	DR	eLQ	04 39 00	LR	16	25.8 (1)	94.0	
		eLR	04 42 50	LZ	24	14.7 (1)		
14	BL	eL	04 53 21	LZ	27	23.6 (1)	112.0	
14	BR	eLR	04 55 35	LZ	17	20.6 (1)	115.0	
							AVG.	4.62
14	CP	eP	04 40 25.2	Z	0.2	6.1 (0)	0.8	
		eS	04 40 36	R	0.3	18.2 (0)		
14	04 59 20.6		14.7 S 173.2 W SAMOA ISLANDS REGION H =033 KM MAG 4.20- CGS					
14	05 38 48.6		46.1 N 153.6 E KURILE ISLANDS H =033 KM MAG 4.40- CGS					
14	05 41 43.0		10.4 N 62.6 W OFF COAST OF N. VENEZUELA H =024 KM MAG 5.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	BL	eP	05 48 11.6	Z	0.6	17.7 (1)	32.0	6.12
		eP	05 48 12	LZ	17	20.7 (2)		
		eL	05 57 40	LZ	30	99.9 (9)		
14	BR	eP	05 48 17.7	Z	1.4	27.7 (1)	33.0	5.97
		eP	05 48 20	LZ	16	27.2 (2)		
		eL	05 57 10	LZ	34	99.9 (9)		
14	DH	eP	05 48 24	LZ	16	21.5 (2)	33.0	
		ePP	05 49 28	LZ	13	38.3 (2)		
		eL	05 57 00	LZ	23	80.3 (2)		
14	LV	eP	05 48 33.7	Z	0.8	19.9 (1)	35.0	6.09
14	LC	eP	05 50 07.0	Z	0.7	35.7 (0)	46.0	5.45
		eP	05 50 07	LZ	16	50.5 (2)		
14	DR	eP	05 50 27.9	Z	1.4	99.4 (0)	49.0	5.62
		eP	05 50 30	LZ	18	14.4 (2)		
		ePP	05 52 27	LZ	16	20.5 (2)		
		eS	05 57 38	LR	30	48.0 (2)		
		eSS	06 01 28	LT	23	23.4 (3)		
		eL	06 05 13	LZ	34	91.7 (2)		
		eL	06 13 10	Z	17.0	23.4 (3)		
14	CP	eP	05 51 08.0	Z	0.9	15.4 (0)	54.0	5.03
		eP	05 51 10	LZ	17	37.6 (2)		
		eS	05 58 38	LT	34	37.6 (2)		
		eLR	06 11 45	LZ	24	41.1 (2)		
		eL	06 16 56	LZ	24	44.4 (2)		
		eL	06 16 56	LR	22	88.6 (2)		
		eL	06 16 56	LT	19	33.4 (2)		
14	MN	eP	05 51 27.3	Z	0.8	12.6 (0)	57.0	4.99
		eP	05 51 30	LZ	19	13.7 (2)		
		e	05 51 39	Z	0.7	23.6 (0)		
		eL	06 15 27	Z	22.0	22.5 (3)		
14	WI	eP	05 51 28.5	Z	1.4	12.9 (1)	57.0	5.76
		eP	05 51 30	LZ	18	14.0 (2)		
		e	05 51 48	Z	1.0	82.3 (0)		
		ePP	05 53 34	Z	1.3	64.6 (0)		
		ePP	05 53 35	LZ	20	98.8 (1)		
		ePPP	05 55 00	LZ	15	34.1 (2)		
		eLR	06 02 10	LZ	22	11.2 (2)		
		eL	06 17 22	Z	19.0	26.7 (3)		
14	MV	eP	05 51 44.4	Z	1.4	82.2 (0)	59.0	5.56
		eP	05 51 45	LZ	18	13.0 (2)		
		e	05 52 07	Z	1.6	15.8 (1)		
		eS	05 59 57	LR	31	14.2 (2)		
		eLQ	06 07 03	LT	40	49.1 (2)		
		eLR	06 10 05	LZ	37	32.1 (2)		
							AVG.	5.62

14 06 40 09.6 10.4 N 62.5 W NEAR COAST OF VENEZUELA
H =043 KM MAG 4.30- CGS

14	LC	eP	06 48 32.4	Z	0.7	2.9 (0)	46.0	4.34

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	DR	eP	06 48 53.1	Z	0.7	1.2 (0)	49.0	4.02
		eL	07 16 00	LZ	23	31.9 (1)		
14	MN	eP	06 49 52.3	Z	0.9	1.2 (0)	57.0	3.93
14	WI	eP	06 49 53.6	Z	0.9	4.4 (0)	57.0	4.49
							AVG.	4.19

14 07 46 21.4 29.5 N 50.8 E PERSIAN GULF
H =033 KM

14 09 08 32.7 31.7 S 69.1 W SAN JUAN PROV., ARGENTINA
H =110 KM MAG 4.60- CGS

14	BR	eP	09 19 45.2	Z	0.9	7.3 (0)	72.0	4.50
14	LC	eP	09 19 51.7	Z	1.1	16.2 (0)	73.0	4.75
14	DR	eP	09 20 19.4	Z	1.0	5.2 (0)	78.0	4.30
14	MN	eP	09 20 49.6	Z	1.1	5.8 (0)	83.0	4.40
14	WI	eP	09 20 58.5	Z	1.0	6.9 (0)	85.0	4.52
							AVG.	4.49

14 10 51 42.7 36.1 N 70.6 E HINDU KUSH
H =120 KM MAG 5.10- CGS

14 14 28 22.1 30.2 S 177.4 W KERMADEC ISLANDS
H =042 KM MAG 5.10- CGS

14	CP	eP	14 40 57.5	Z	1.0	11.4 (0)	85.0	4.93
14	MV	eP	14 41 03.2	Z	1.2	17.7 (0)	87.0	5.08
		eP	14 41 30	LZ	17	13.8 (1)		
		eS	14 51 40	LR	17	36.4 (1)		
		e	15 07 58	LZ	24	24.5 (1)		
		eLQ	15 09 13	LR	24	30.4 (1)		
		eL	15 13 54	LZ	20	14.2 (2)		
		eL	15 13 54	LR	17	19.6 (1)		
		eL	15 13 54	LT	20	96.8 (1)		
14	MN	eP	14 41 08.3	Z	1.2	17.0 (0)	88.0	5.12
		eLR	15 10 15	LZ	21	54.6 (1)		
14	WI	eP	14 41 20.1	Z	1.4	24.8 (0)	90.0	5.20
		eS	14 52 00	LR	17	66.4 (1)		
		ePS	14 53 30	LT	20	48.6 (1)		
		eLQ	15 05 12	LR	22	45.1 (1)		
		eLR	15 10 45	LZ	24	49.3 (1)		
		eL	15 15 08	LZ	20	14.2 (2)		
		eL	15 15 08	LR	20	50.3 (1)		
		eL	15 15 08	LT	20	14.0 (2)		
14	LC	eP	14 41 26.7	Z	2.5	59.8 (0)	91.0	5.43

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	14 51 55	LT	18	62.6 (1)		
		ePS	14 53 38	LT	25	27.9 (1)		
		eLQ	15 05 56	LT	25	17.8 (1)		
		eLR	15 10 41	LZ	25	16.8 (1)		
		eL	15 22 12	LZ	19	83.5 (1)		
		eL	15 22 12	LR	19	71.4 (1)		
		eL	15 22 12	LT	19	59.7 (1)		
14	DR	eP	14 41 37.1	Z	1.8	18.6 (0)	94.0	5.15
		eS	14 52 20	LR	17	17.5 (1)		
		eSS	14 59 10	LR	22	16.0 (1)		
		eLQ	15 07 55	LR	22	34.2 (1)		
		eLR	15 12 00	LZ	25	29.4 (1)		
		eL	15 24 05	LZ	17	15.8 (2)		
		eL	15 24 05	LR	17	67.4 (1)		
		eL	15 24 05	LT	17	80.6 (1)		
14	BL	eL	15 26 43	LT	20	33.2 (1)	112.0	
14	BR	eLR	15 28 20	LZ	24	57.1 (1)	115.0	
14	DH	eLR	15 29 10	LZ	21	45.1 (1)	118.0	
							AVG.	5.15

14 14 48 28.4 30.3 N 78.5 E NORTHERN INDIA
H =033 KM MAG 4.80- CGS

14	DR	eP	15 13 43.4	Z	0.3	0.9 (0)	3.2	
		eS	15 14 23	T	0.4	1.8 (0)		
14	MV	eP	16 26 05.0	Z	0.7	1.6 (0)		

14 17 06 38.6 39.4 S 174.9 E NORTH ISLAND, NEW ZEALAND
H =189 KM MAG 6.00- CGS

14	CP	eP	17 19 46.0	Z	1.1	12.4 (0)	96.0	5.17
14	LC	ePP	17 24 22	Z	1.0	2.3 (0)	102.0	
14	DR	ePP	17 24 32	Z	0.8	1.5 (0)	104.0	
14	MN	ePKKP	17 37 03	Z	1.3	4.5 (0)	99.0	
14	MV	eP	17 46 39.0	Z	0.3	2.3 (0)	0.8	
		eS	17 46 50	T	0.3	7.0 (0)		

14 19 18 25.3 08.9 S 148.7 E N. COAST EASTERN N. GUINEA
H =026 KM

14	MV	eP	19 31 52.0	Z	1.1	8.1 (0)	96.0	5.16

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

14 19 18 43.0 15.8 S 168.0 E NEW HEBRIDES ISLANDS
H =186 KM MAG 4.80- CGS

14	MN	eP	19 31 13.4	Z	1.0	1.5 (0)	88.0	3.82
		e	19 32 03	Z	1.1	6.8 (0)		
14	DR	eP	21 03 12.9	Z	0.3	1.3 (0)	4.6	
		eS	21 04 09	R	0.4	1.7 (0)		

14 21 38 52.* 14.6 S 175.2 W TONGA ISLANDS REGION
H =260 KM MAG 4.40- CGS

14	MN	eP	21 50 06.6	Z	1.0	3.1 (0)	75.0	4.00
14	LC	eP	21 50 36.5	Z	1.0	3.5 (0)	80.0	4.11
							AVG.	4.05

15 00 31 50.4 04.4 N 77.5 W NEAR COAST COLOMBIA
H =047 KM MAG 4.40- CGS

15 00 41 07.7 20.2 S 178.3 W FIJI ISLANDS
H =510 KM MAG 3.90- CGS

15	MN	eP	00 52 31.2	Z	0.8	1.4 (0)	81.0	3.53
15	MN	eP	03 27 47.1	Z	0.2	0.3 (0)	0.3	
		eS	03 27 53	R	0.3	1.8 (0)		

15 04 21 12.* 24.5 S 178.8 E FIJI ISLANDS REGION
H =033 KM MAG 4.60- CGS

15	MN	eP	04 33 50.5	Z	1.0	4.7 (0)	86.0	4.51
15	WI	eP	04 34 01.0	Z	0.8	2.6 (0)	88.0	4.52
15	LC	eP	04 34 15.5	Z	1.0	3.6 (0)	91.0	4.62
							AVG.	4.55

15 05 19 32.* 01.6 N 127.1 E HALMAHERA REGION
H =033 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	LC	eP	05 38 24.1	Z	0.8	3.5 (0)	119.0	
		eLR	06 19 58	LZ	22	58.7 (0)		
15	CP	eLR	06 15 35	LZ	18	19.1 (1)	111.0	
15	06 28 21.7		51.8 N 176.8 W	ANDREANOF ALEUTIAN ISLANDS				
			H =033 KM MAG	4.60-		CGS		
15	WI	eP	06 36 04.4	Z	0.7	2.8 (0)	41.0	4.13
		ePCP	06 38 03	Z	0.9	3.4 (0)		
		eL	06 48 55	LZ	25	69.4 (0)		
15	MN	eP	06 36 15.1	Z	0.8	2.3 (0)	42.0	3.99
		eL	06 48 50	LZ	27	71.9 (0)		
15	LC	eP	06 37 40.4	Z	0.8	4.3 (0)	53.0	4.46
15	BL	eP	06 38 57.3	Z	0.9	51.1 (0)	64.0	5.65
							AVG.	4.56
15	MN	eP	06 46 33.7	Z	0.6	0.3 (0)		
15	08 36 41.*		61.7 N 134.9 W	YUKON				
			H =033 KM MAG	4.20-		CGS		
15	08 41 07.5		55.6 N 162.0 E	KAMCHATKA				
			H =060 KM MAG	5.20-		CGS		
15	MV	eP	08 50 10.1	Z	1.0	18.5 (0)	52.0	5.02
15	WI	eP	08 50 14.5	Z	0.9	13.8 (0)	52.0	4.94
15	MN	eP	08 50 27.3	Z	0.8	24.3 (0)	54.0	5.28
		eL	09 07 00	LZ	27	98.9 (0)		
15	CP	eP	08 51 03.8	Z	0.7	4.9 (0)	59.0	4.65
15	DR	eP	08 51 19.9	Z	0.9	5.9 (0)	60.0	4.68
15	LC	eP	08 51 41.5	Z	0.8	12.9 (0)	65.0	5.02
		e	08 51 57	Z	0.7	9.0 (0)		
		eLR	09 13 03	LZ	28	78.6 (0)		
15	LV	eP	08 52 21.5	Z	0.8	12.4 (0)	72.0	4.91
15	BR	eP	08 52 41.2	Z	0.8	7.3 (0)	72.0	4.68
15	BL	eL	09 20 20	LZ	26	22.6 (1)	73.0	
							AVG.	4.90
15	09 23 38.*		48.7 N 152.9 E	KURILE ISLANDS				
			H =033 KM MAG	4.00-		CGS		
15	CP	eP	10 57 14.0	Z	0.2	1.3 (0)	0.7	
		eS	10 57 24	R	0.3	6.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	CP	eP	11 16 49.4	Z	0.2	2.7 (0)	0.6	
		eS	11 16 58	R	0.2	16.2 (0)		
15	MV	eP	13 58 08.2	Z	0.2	9.6 (0)	0.1	
		eS	13 58 11	R	0.3	27.8 (0)		
15	BR	eP	15 29 23.8	Z	0.4	3.6 (0)	1.3	
		eS	15 29 41	R	0.4	10.0 (0)		
15	MN	eP	15 55 51.7	Z	0.3	2.5 (0)	0.5	
		eS	15 55 59	R	0.4	3.0 (0)		
15	BL	eP	16 02 10.7	Z	0.2	9.0 (0)	0.1	
		eS	16 02 14	R	0.3	44.4 (0)		
15	16 32 18.6		14.4 N 90.2 W	GUATEMALA				
			H =033 KM MAG	3.80-		CGS		
15	MN	eP	16 39 06.2	Z	1.0	2.3 (0)	34.0	4.04
15	16 42 34.8		62.0 N 134.4 W	YUKON				
			H =033 KM MAG	3.80-		CGS		
15	MN	eP	16 48 05.3	Z	0.8	1.4 (0)	26.0	3.61
15	MN	eP	17 14 50.7	Z	0.2	2.2 (0)	1.2	
		eS	17 15 06	R	0.2	2.4 (0)		
15	BL	eP	17 33 05.3	Z	0.2	13.5 (0)	0.3	
		eS	17 33 11	R	0.3	27.3 (0)		
15	LC	eP	17 44 50.7	Z	0.2	6.9 (0)	1.5	
		eS	17 45 10	T	0.3	5.4 (0)		
15	19 22 17.9		53.2 N 162.9 E	NEAR WAST COAST KAMCHATKA				
			H =033 KM MAG	4.70-		CGS		
15	MV	eP	19 31 28.6	Z	1.0	5.0 (0)	52.0	4.43
15	WI	eP	19 31 30.9	Z	1.0	7.9 (0)	53.0	4.63
							AVG.	4.53
15	BR	eP	20 06 32.2	Z	0.5	10.7 (0)	0.1	
		eS	20 06 34	T	0.3	40.5 (0)		
15	DR	eP	20 30 00.0	Z	0.3	8.2 (0)	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	20 30 15.*		20.6 S 68.5 W CHILE BOLIVIA BORDER H =263 KM MAG 4.20- CGS					
15	WI	eP	20 41 37.0	Z	0.8	10.6 (0)	77.0	4.62
15	DR	eS	20 30 18	R	0.3	11.4 (0)	1.5	
15	WI	eP	20 30 24.9	Z	0.4	1.5 (0)	3.4	
		e	20 30 33	Z	0.5	5.1 (0)		
		eS	20 31 07	R	0.6	12.5 (0)		
15	BR	eP	20 33 55.7	Z	0.3	8.9 (0)	0.5	
		eS	20 34 04	R	0.3	18.1 (0)		
15	BR	eP	21 32 11.1	Z	0.3	12.7 (0)	0.2	
		eS	21 32 16	R	0.3	32.4 (0)		
15	CP	eP	22 30 28.5	Z	0.2	6.8 (0)	0.1	
		eS	22 30 32	R	0.3	11.1 (0)		
16	WI	eP	01 44 56.2	Z	1.3	4.3 (0)		
16	DR	eP	01 58 19.5	Z	0.3	1.8 (0)	3.5	
		eS	01 59 03	T	0.4	6.7 (0)		
16	CP	eP	04 50 52.0	Z	0.2	5.4 (0)	1.5	
		eS	04 51 11	T	0.2	8.7 (0)		
16	LC	eP	06 04 11.5	Z	0.8	1.4 (0)		
16	CP	eP	06 38 14.3	Z	0.2	7.5 (0)	1.4	
		eS	06 38 33	R	0.2	8.7 (0)		
16	07 59 52.3		15.4 S 173.3 W SAMOA ISLANDS REGION H =033 KM MAG 4.40- CGS					
16	MV	eP	08 11 23.3	Z	1.0	3.2 (0)	73.0	4.31
		eS	08 21 00	LZ	20	16.3 (1)		
		ePS	08 21 30	LT	32	39.2 (1)		
		eLR	08 33 42	LZ	25	13.4 (1)		
16	MN	eP	08 11 30.0	Z	1.0	2.1 (0)	74.0	4.05
		eLQ	08 31 15	LR	25	17.8 (1)		
		eLR	08 35 00	LZ	25	22.5 (1)		
16	WI	eP	08 11 41.2	Z	1.5	9.9 (0)	76.0	4.62
		eLR	08 32 00	LR	20	23.8 (1)		
16	LC	eP	08 11 57.3	Z	0.9	1.9 (0)	80.0	3.99
		eS	08 22 05	LT	25	14.0 (1)		
		eSS	08 27 10	LT	20	10.6 (1)		
		eLQ	08 33 50	LT	22	94.3 (0)		
		eLR	08 36 25	LZ	28	16.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	08 41 00	LZ	19	26.7 (1)		
		eL	08 41 00	LR	20	20.8 (1)		
		eL	08 41 00	LT	19	19.1 (1)		
16	DR	eP	08 12 05.0	Z	1.0	2.5 (0)	81.0	4.13
		eL	08 37 50	LZ	28	16.2 (1)		
16	BL	eLR	08 50 00	LZ	22	16.7 (1)	101.0	
16	BR	eLR	08 52 16	LZ	20	16.7 (1)	103.0	
							AVG.	4.22
16	CP	eP	09 16 45.0	Z	0.2	2.7 (0)	1.4	
		eS	09 17 04	R	0.5	5.8 (0)		
16	09 18 21.3		34.1 N 116.1 W SAN BERNARDINO, CALIFORNIA H =014 KM MAG 4.00- CGS					
16	CP	eP	09 18 47.7	Z	0.2	23.2 (0)	1.4	
		eS	09 19 07	R	0.2	37.5 (0)		
		eP	09 31 28.2	Z	0.2	5.4 (0)		
		eS	09 31 48	R	0.2	16.7 (0)		
16	CP	eP	10 54 39.2	Z	0.2	2.7 (0)	0.9	
		eS	10 54 51	R	0.2	34.8 (0)		
16	11 22 43.*		48.9 N 130.7 W VANCOUVER ISLANDS REGION H =033 KM MAG 3.80- CGS					
16	WI	eP	11 25 32.5	Z	1.3	13.0 (0)	12.0	4.86
16	MN	eP	11 25 56.5	Z	1.0	3.1 (0)	14.0	3.90
16	DR	eP	11 27 15.0	Z	1.0	3.7 (0)	20.0	3.61
							AVG.	4.12
16	CP	eP	11 51 45.8	Z	0.2	10.9 (0)	1.0	
		eS	11 52 00	R	0.2	57.6 (0)		
16	MV	eP	12 01 47.5	Z	0.2	7.0 (0)	0.8	
		eS	12 02 00	T	0.2	34.8 (0)		
16	WI	eP	12 02 20.2	Z	0.3	0.4 (0)	4.3	
		eS	12 03 11	T	0.4	2.6 (0)		
16	BL	eP	14 11 36.5	Z	0.2	18.1 (0)	0.1	
		eS	14 11 40	T	0.2	70.2 (0)		
16	14 11 50.*		24.2 N 108.7 W GULF OF CALIFORNIA H =033 KM MAG 3.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	MN	eP	14 15 32.5	Z	1.0	2.1 (0)	16.0	3.25
16	WI	eP	14 16 00.7	Z	0.9	1.7 (0)	19.0	3.31
							AVG.	3.28
16	MN	eP	14 17 10.8	Z	0.3	3.7 (0)	0.8	
		eS	14 17 22	T	0.3	9.7 (0)		
16	MN	eP	14 46 33.6	Z	0.2	1.5 (0)	1.4	
		eS	14 46 52	T	0.7	10.0 (0)		
16	MN	eP	15 53 11.2	Z	0.2	2.0 (0)	0.6	
		eS	15 53 20	R	0.2	8.5 (0)		
16	BL	eP	16 02 09.0	Z	1.0	9.5 (0)		
16	MN	eP	16 33 25.3	Z	0.2	30.2 (0)	0.8	
		eS	16 33 34	T	0.3	32.6 (0)		
16	WI	eP	16 33 52.7	Z	0.3	2.8 (0)	2.2	
		eS	16 34 20	R	0.4	13.7 (0)		
16	MN	eP	18 01 20.5	Z	0.3	0.3 (0)	3.6	
		eS	18 02 05	T	0.4	1.2 (0)		
16	CP	eP	18 05 34.0	Z	0.2	2.7 (0)	1.4	
		eS	18 05 52	T	0.2	12.1 (0)		
16	MV	eP	18 18 32.2	Z	0.4	4.5 (0)	2.5	
16	MN	eP	18 18 44.0	Z	0.8	1.2 (0)	3.5	
16	MV	eS	18 19 04	R	0.4	25.0 (0)	2.5	
16	WI	eP	18 19 23.7	Z	0.5	1.2 (0)		
16	MN	eS	18 19 29	R	0.8	31.8 (0)	3.5	
16	WI	eL	18 20 45	R	0.7	8.7 (0)		

16 18 27 18.4 43.1 N 41.5 E GEORGIA, S.S.R.
H =033 KM MAG 5.80- CGS

16	DH	eP	18 39 14.0	Z	1.3	19.6 (1)	78.0	5.98
		eP	18 39 14	LZ	18	13.5 (2)		
		eS	18 49 10	LT	27	28.9 (2)		
		eSS	18 54 25	LT	30	36.6 (2)		
		eSSS	18 58 00	LT	23	38.7 (2)		
		eL	19 02 25	LT	32	91.0 (2)		
		eLR	19 04 40	LZ	35	12.3 (3)		
16	BR	eP	18 39 33.0	Z	1.0	35.4 (0)	81.0	5.28
		eP	18 39 33	LZ	13	20.9 (2)		
		ePP	18 42 40	Z	2.0	12.0 (1)		
		e	18 49 45	LZ	23	12.0 (2)		
		eSS	18 55 15	LZ	20	78.2 (1)		
		e	18 55 56	LZ	33	27.0 (2)		
		eLR	19 06 15	LZ	35	99.9 (9)		
16	BL	eP	18 39 47.2	Z	2.0	35.6 (1)	84.0	6.15
		eP	18 39 50	LZ	15	11.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	18 50 23	LT	17	25.5 (2)		
		ePS	18 51 08	LT	17	46.7 (2)		
		eSS	18 55 45	LT	19	27.2 (2)		
		eSSS	18 59 44	LR	26	27.7 (2)		
		e	19 02 03	LR	27	47.2 (2)		
		eLQ	19 04 46	LR	40	14.9 (3)		
		eLR	19 08 00	LZ	32	14.2 (3)		
		eL	19 11 47	LR	23	15.6 (3)		
		eL	19 11 47	LT	20	95.7 (2)		
		eL	19 11 47	LZ	25	11.7 (3)		
16	WI	eP	18 40 34.9	Z	1.5	17.2 (1)	94.0	6.19
		eP	18 40 35	LZ	18	53.5 (1)		
		ePP	18 44 16	R	2.0	19.3 (1)		
		ePP	18 44 20	LZ	19	60.7 (1)		
		eS	18 51 17	R	4.5	43.0 (1)		
		eS	18 51 18	LR	20	13.9 (2)		
		ePS	18 52 50	LT	22	30.2 (2)		
		eSP	18 53 00	Z	4.0	32.5 (1)		
		eSS	18 57 50	LR	25	40.5 (2)		
		e	19 01 00	LR	23	30.5 (2)		
		e	19 03 50	LR	22	18.6 (2)		
		e	19 09 30	LR	28	29.7 (2)		
		eLR	19 12 00	LZ	40	96.5 (2)		
16	DR	eP	18 40 39.5	Z	1.7	63.2 (0)	95.0	5.77
		eP	18 40 42	LZ	19	37.6 (1)		
		ePP	18 44 28	Z	1.8	60.2 (0)		
		ePP	18 44 30	LZ	19	67.1 (1)		
		e	18 49 15	LT	20	54.3 (1)		
		eS	18 51 55	LR	20	83.4 (1)		
		ePS	18 53 10	LT	25	50.0 (2)		
		eSS	18 58 10	LR	23	28.0 (2)		
		eSSS	19 01 50	LT	25	48.3 (2)		
		eL	19 05 00	LR	25	34.4 (2)		
		eLQ	19 08 10	LR	30	59.5 (2)		
		eLR	19 11 20	LZ	35	13.7 (3)		
16	MV	eP	18 40 45.9	Z	2.0	92.5 (0)	97.0	6.03
		e	18 43 58	Z	1.2	7.5 (0)		
		ePP	18 44 37	Z	1.5	14.5 (0)		
		ePP	18 44 38	LZ	23	11.2 (2)		
		ePS	18 53 22	LT	25	40.4 (2)		
		e	18 54 55	LZ	25	10.9 (2)		
		eSS	18 58 30	LT	27	35.3 (2)		
		eSSS	19 03 00	LT	30	55.7 (2)		
		eLR	19 11 00	LZ	23	43.2 (2)		
		eL	19 15 25	LT	26	55.3 (2)		
		eL	19 15 25	LR	26	51.5 (2)		
		eL	19 15 25	LZ	19	47.0 (2)		
16	MN	eP	18 40 47.8	Z	1.5	49.7 (0)	97.0	5.88
		eP	18 40 50	LZ	20	34.2 (1)		
		ePP	18 44 45	Z	2.2	88.0 (0)		
		ePP	18 44 45	LZ	20	45.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	18 51 20	LR	20	54.1 (1)		
		ePS	18 53 20	LT	25	43.6 (2)		
		eSS	18 58 40	LR	24	17.8 (2)		
		e	19 00 00	LR	32	21.0 (2)		
		eSSS	19 02 40	LR	25	21.4 (2)		
		eLQ	19 05 20	LR	30	18.1 (2)		
		eLR	19 12 00	LZ	30	66.7 (2)		
		eL	19 20 00	LZ	25	84.7 (2)		
		eL	19 20 00	LR	25	50.0 (2)		
		eL	19 20 00	LT	25	11.1 (3)		
16	LC	eP	18 40 59.5	Z	1.6	34.4 (0)	99.0	5.80
		eP	18 41 00	LZ	20	13.6 (1)		
		ePP	18 45 00	Z	2.5	15.6 (1)		
		ePP	18 45 00	LZ	20	58.3 (1)		
		e	18 48 45	LZ	20	37.2 (1)		
		eSKS	18 51 30	LT	25	12.8 (2)		
		eS	18 52 40	LR	28	90.7 (1)		
		ePS	18 54 00	LR	40	43.9 (2)		
		eLQ	18 58 30	LT	40	42.4 (2)		
		eLR	19 03 40	LZ	30	24.6 (2)		
16	CP	eP	18 41 11.2	Z	1.3	24.8 (0)	102.0	5.71
		eP	18 41 17	LZ	19	29.9 (1)		
		e	18 43 52	Z	0.9	2.2 (0)		
		ePP	18 45 21	Z	2.5	12.5 (1)		
		ePP	18 45 27	LZ	19	83.8 (1)		
		ePS	18 54 35	LR	19	34.1 (2)		
		eSS	19 00 12	LR	30	38.4 (2)		
		eSSS	19 03 55	LR	26	40.0 (2)		
		e	19 07 50	LZ	21	55.3 (2)		
		eLQ	19 11 30	LT	42	86.3 (2)		
		eLR	19 15 25	LZ	41	18.5 (3)		
		eL	19 22 52	LR	26	14.4 (3)		
		eL	19 22 52	LT	23	59.1 (2)		
		eL	19 22 52	LZ	28	22.0 (3)		
							AVG.	5.86
16	LC	eP	18 40 15.3	Z	0.2	5.9 (0)	1.5	
		eS	18 40 35	T	0.3	5.3 (0)		
16	BR	eP	18 46 03.0	Z	0.2	4.6 (0)	1.0	
		eS	18 46 16	R	0.2	22.6 (0)		
16	BR	eP	19 06 23.2	Z	0.2	7.6 (0)	0.2	
		eS	19 06 28	T	0.2	23.8 (0)		
16	19 08 29.2		30.6 S 177.2 W KERMADEC ISLANDS H =041 KM MAG 5.00= CGS					
16	CP	eP	19 21 04.1	Z	1.1	12.4 (0)	85.0	4.92

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	MV	eP	19 21 10.5	Z	1.5	24.1 (0)	87.0	5.12
16	MN	eP	19 21 17.0	Z	1.3	12.1 (0)	88.0	4.94
16	WI	eP	19 21 27.5	Z	1.3	17.3 (0)	90.0	5.08
16	LC	eP	19 21 33.8	Z	1.3	7.2 (0)	92.0	4.84
							AVG.	4.98
16	LC	eP	19 34 37.5	Z	0.3	1.3 (0)	2.9	
		eS	19 35 17	T	0.4	13.7 (0)		
16	BR	eP	19 53 06.0	Z	0.2	15.3 (0)	0.3	
		eS	19 53 11	T	0.4	13.2 (0)		
16	BL	eP	19 57 51.5	Z	0.2	45.2 (0)	0.3	
		eS	19 57 55	T	0.2	92.2 (0)		
16	LC	eP	21 20 42.5	Z	0.2	17.8 (0)	1.7	
		eS	21 21 05	T	0.5	8.4 (0)		
16	BR	eP	21 31 05.0	Z	0.2	6.9 (0)	0.3	
		eS	21 31 10	T	0.2	76.9 (0)		
16	BL	eP	21 38 43.5	Z	0.3	6.7 (0)	0.6	
		eS	21 38 52	R	0.3	40.5 (0)		
16	22 11 23.0		43.3 N 41.6 E GEORGIA, S.S.R. H =017 KM MAG 4.90= CGS					
16	WI	eP	22 24 41.2	Z	1.0	7.9 (0)		
17	WI	eP	00 06 46.6	Z	1.0	28.2 (0)		
17	WI	e	00 07 26	Z	1.0	27.0 (0)		
17	DR	eP	00 12 59.6	Z	1.2	3.8 (0)		
17	03 24 37.4		46.9 S 33.3 E PRINCE EDWARDS ISLANDS H =033 KM					
17	LC	eP	03 44 13.5	Z	1.2	5.7 (0)	146.0	
17	DR	eP	03 44 26.4	Z	1.4	18.0 (0)	150.0	
17	CP	eP	03 44 32.5	Z	0.7	81.8 (0)	153.0	
17	WI	eP	03 44 32.6	Z	1.2	5.2 (0)	158.0	
17	LC	eL	04 36 33	LZ	15	98.7 (0)	146.0	
17	MN	eP	03 36 50.4	Z	0.2	1.3 (0)	1.0	
		eS	03 37 03	T	0.3	10.1 (0)		
17	MN	eP	05 44 52.8	Z	0.2	1.7 (0)	0.9	
		eS	05 45 05	T	0.3	5.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	MV	eP	06 23 01.0	Z	0.2	3.7 (0)	1.6	
		eS	06 23 23	R	0.3	13.6 (0)		
17	MN	eP	06 23 38.2	Z	0.2	0.8 (0)	4.6	
		eS	06 24 34	R	0.4	1.6 (0)		
17	07 01 57.1		07.5 S 107.2 E JAVA					
			H =041 KM MAG 5.10- CGS					
17	WI	eP'	07 21 01.9	Z	0.5	2.1 (0)	128.0	
17	MN	eP'	07 21 03.4	Z	0.7	1.8 (0)	129.0	
17	LC	eP'	07 21 16.2	Z	0.7	1.2 (0)	140.0	
17	DH	eP'	07 21 32.6	Z	0.8	66.4 (0)	145.0	
17	BR	eP'	07 21 37.9	Z	0.6	13.1 (0)	147.0	
17	MV	eP	07 44 34.8	Z	0.4	2.1 (0)	2.1	
17	MN	eP	07 44 48.5	Z	0.2	0.8 (0)	3.2	
17	MV	eS	07 45 01	R	0.5	6.0 (0)	2.1	
17	MN	eS	07 45 27	T	0.5	2.9 (0)	3.2	
17	MN	eP	08 07 44.0	Z	0.2	7.0 (0)	1.8	
17	MV	eS	08 07 49	T	0.3	21.0 (0)	1.0	
17	WI	eP	08 07 58.8	Z	0.3	1.6 (0)	3.7	
17	MV	eP	08 07 34.5	Z	0.2	8.9 (0)	1.0	
17	MN	eS	08 08 05	R	0.5	9.4 (0)	1.8	
17	WI	eS	08 08 40	R	0.5	13.3 (0)	3.7	
17	10 34 36.9		25.4 S 111.6 W EASTER ISLAND REGION					
			H =033 KM MAG 4.70- CGS					
17	LC	eP	10 44 26.5	Z	1.0	5.0 (0)	58.0	4.49
17	DR	eP	10 45 00.0	Z	0.8	2.2 (0)	63.0	4.28
17	MN	eP	10 45 08.2	Z	1.0	11.0 (0)	64.0	4.94
17	WI	eP	10 45 26.5	Z	1.0	13.5 (0)	67.0	5.03
							AVG.	4.69
17	WI	eP	11 20 40.5	Z	0.5	0.4 (0)		
17	11 57 06.7		43.1 N 41.5 E GEORGIA, S.S.R.					
			H =033 KM MAG 5.30- CGS					
17	DH	eP	12 09 02.2	Z	0.7	15.2 (0)	78.0	5.13
		eLR	12 34 15	LZ	37	22.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	BR	eP	12 09 21.3	Z	0.7	6.9 (0)	81.0	4.72
		eLR	12 36 25	LZ	34	27.0 (1)		
17	WI	eP	12 10 23.4	Z	1.2	26.0 (0)	94.0	5.46
		ePP	12 14 06	Z	1.0	3.3 (0)		
		eLR	12 49 50	LZ	23	17.6 (1)		
17	DR	eP	12 10 28.6	Z	1.2	9.7 (0)	95.0	5.10
		eL	12 42 00	LZ	45	44.7 (1)		
17	MN	eP	12 10 36.2	Z	1.0	4.6 (0)	97.0	5.03
		eL	12 46 00	LZ	32	11.5 (1)		
17	LC	eP	12 10 48.2	Z	1.0	5.0 (0)	99.0	5.16
		ePS	12 23 53	LT	21	12.0 (1)		
		eSS	12 29 12	LT	25	13.7 (1)		
		e	12 33 26	LT	24	19.1 (1)		
		eLR	12 46 45	LZ	38	25.5 (1)		
		eL	12 55 00	LT	23	52.1 (1)		
		eL	12 55 00	LR	20	20.4 (1)		
		eL	12 55 00	LZ	24	45.0 (1)		
17	MV	eL	12 46 00	LZ	38	38.6 (1)	97.0	
							AVG.	5.10
17	CP	eP	12 09 03.0	Z	0.2	4.7 (0)	0.6	
		eS	12 09 12	R	0.2	19.1 (0)		
17	WI	eP	12 49 46.2	Z	0.2	2.6 (0)	1.8	
17	MN	eP	12 49 53.2	Z	0.2	1.3 (0)	2.0	
17	WI	eS	12 50 11	R	0.3	6.7 (0)	1.8	
17	MN	eS	12 50 21	T	0.5	7.7 (0)	2.0	
17	CP	eP	13 31 10.5	Z	0.2	2.7 (0)	0.9	
		eS	13 31 23	R	0.2	15.7 (0)		
17	LC	eL	13 44 28	LZ	13	21.8 (1)		
17	WI	eP	13 46 06.6	Z	0.2	3.7 (0)	3.7	
		eS	13 46 53	R	0.3	5.1 (0)		
17	CP	eP	14 06 02.5	Z	0.2	4.7 (0)	0.1	
		eS	14 06 06	R	0.2	25.9 (0)		
17	14 10 31.3		49.9 N 150.8 E SEA OF OKHOTSK					
			H =370 KM MAG 3.70- CGS					
17	LC	eP	14 16 24.5	Z	0.6	1.0 (0)	2.3	
		eS	14 16 53	T	0.6	1.0 (0)		
17	CP	eP	15 02 16.2	Z	0.2	2.7 (0)	1.5	
		eS	15 02 37	R	0.2	4.7 (0)		
17	15 07 22.3		49.5 N 156.3 E KURILE ISLANDS REGION					
			H =078 KM MAG 4.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	MN	eP	15 17 18.4	Z	0.8	3.2 (0)	59.0	4.41
17	MN	eP	15 10 35.4	Z	1.3	7.1 (0)		
17	WI	eP	15 10 45.3	Z	1.2	6.9 (0)		
17	BR	eP	15 10 46.0	Z	0.2	24.8 (0)		
17	MN	eP	15 58 53.7	Z	0.3	3.3 (0)	0.6	
		eS	15 59 01	T	0.5	10.6 (0)		
17	MN	eP	16 03 22.7	Z	0.8	3.2 (0)	3.2	
		eS	16 04 01	R	0.8	7.0 (0)		
17	MN	eP	17 18 53.8	Z	0.2	6.1 (0)	1.2	
		eS	17 19 08	R	0.3	4.9 (0)		
17	MV	eP	18 12 57.5	Z	0.2	2.2 (0)	0.8	
		eS	18 13 08	T	0.3	11.6 (0)		
17	MN	eP	18 15 20.8	Z	0.2	1.7 (0)	2.7	
17	WI	eP	18 15 27.0	Z	0.3	1.6 (0)	3.1	
17	MN	eS	18 15 56	T	0.3	14.0 (0)	2.7	
17	WI	eS	18 16 05	R	0.3	15.7 (0)	3.1	
17	CP	eP	18 36 20.0	Z	0.2	15.6 (1)	1.4	
		eS	18 36 38	R	0.2	63.2 (1)		
17	CP	eP	18 57 48.0	Z	0.2	28.7 (1)	0.8	
		eS	18 57 59	R	0.2	90.3 (1)		
17	19 05 19.6		14.9 S 167.3 E NEW HEBRIDES H =138 KM MAG 4.40- CGS					
17	DR	eP	19 07 18.7	Z	0.3	1.8 (0)	2.2	
		eS	19 07 47	R	0.6	7.1 (0)		
17	CP	eP	19 19 17.8	Z	0.2	1.3 (0)	1.4	
		eS	19 19 36	R	0.2	11.6 (0)		
17	BR	eP	19 42 01.2	Z	0.3	6.2 (0)	1.0	
		eS	19 42 15	T	0.3	21.2 (0)		
17	WI	eP	19 46 59.2	Z	0.2	2.1 (0)	0.1	
		eS	19 47 02	T	0.2	6.3 (0)		
17	MN	eP	19 48 10.5	Z	0.2	3.5 (0)	1.1	
		eS	19 48 26	T	0.3	2.8 (0)		
17	BR	eP	20 09 05.7	Z	0.2	5.8 (0)	1.0	
		eS	20 09 19	R	0.3	10.4 (0)		
17	BR	eP	20 21 22.4	Z	0.3	18.6 (0)	4.5	
		eS	20 21 29	T	0.3	33.4 (0)		
17	20 44 32.0		34.0 N 116.0 W SAN BERNARDINO, CALIFORNIA H =014 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	LC	eP	00 09 15.2	Z	1.3	9.6 (0)	24.0	4.13
							AVG.	4.10
18	MV	eP	00 06 46.0	Z	1.0	28.1 (0)		
18	04 01 16.3		37.2 N 115.6 W	SOUTHERN NEVADA				
			H =025 KM MAG	3.90- CGS				
18	04 58 09.2		61.0 S 22.3 W	SANDWICH ISLANDS				
			H =033 KM MAG	6.00- CGS				
18	05 25 04.3		18.5 S 69.3 W	NORTHERN CHILE				
			H =072 KM MAG	4.90- CGS				
18	06 33 23.8		37.1 N 115.5 W	SOUTHERN NEVADA				
			H =025 KM MAG	3.90- CGS				
18	10 40 30.4		34.1 N 116.1 W	SAN BERNARDINO, CALIFORNIA				
			H =014 KM MAG	4.30- CGS				
18	11 15 11.3		22.5 S 67.0 W	JUJUY PROVINCE, ARGENTINA				
			H =258 KM MAG	4.60- CGS				
18	19 37 43.7		34.1 N 116.1 W	SAN BERNARDINO CTY, CALIF.				
			H =014 KM MAG	4.40- CGS				
19	MV	eP	03 49 32.0	Z	0.2	3.1 (0)	0.8	
		eS	03 49 43	R	0.2	20.2 (0)		
19	04 12 10.3		07.1 N 33.6 W	ATLANTIC OCEAN				
			H =033 KM MAG	4.40- CGS				
19	LC	eP	04 23 32.2	Z	1.2	3.7 (0)	72.0	4.30
		eSKS	04 33 25	LR	23	11.7 (1)		
		eSS	04 37 55	LR	18	14.6 (1)		
		eLR	04 45 37	LZ	33	16.7 (1)		
19	DR	eP	04 23 40.5	Z	1.1	1.5 (0)	73.0	3.94
19	WI	eP	04 24 23.3	Z	1.0	3.5 (0)	81.0	4.28
19	BL	eLR	04 31 25	LZ	24	17.8 (1)	53.0	
19	MV	eLR	04 55 40	LZ	22	11.2 (1)	84.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.17
19	MV	eP	04 16 11.1	Z	0.2	18.6 (0)	0.1	
		eS	04 16 12	R	0.2	19.4 (0)		
19	05 45 28.0		43.4 N 8.2 E	LIGURIAN SEA				
			H =033 KM MAG	5.50- CGS				
19	DH	eP	05 55 23.0	Z	1.0	20.4 (0)	58.0	5.10
		eP	05 55 25	LZ	13	40.9 (1)		
		eS	06 03 15	LT	35	32.1 (2)		
		eLQ	06 07 20	LT	32	12.6 (2)		
		eLR	06 13 35	LZ	36	86.3 (2)		
19	BL	eP	05 56 06.2	Z	1.1	36.5 (0)	65.0	5.42
		eP	05 56 10	LZ	13	38.9 (1)		
19	LV	eP	05 57 10.0	Z	1.5	11.7 (1)	75.0	5.62
19	DR	eP	05 57 40.6	Z	1.2	50.1 (0)	81.0	5.35
		eP	05 57 41	LZ	13	31.9 (1)		
19	WI	eP	05 57 50.0	Z	1.3	31.7 (0)	82.0	5.18
		e	06 05 40	LR	35	32.7 (2)		
		e	06 14 31	LR	33	37.1 (2)		
		eLQ	06 17 45	LR	15	91.3 (1)		
		eLR	06 27 15	LZ	34	54.5 (2)		
19	LC	eP	05 57 57.2	Z	1.5	43.4 (0)	84.0	5.36
		eP	05 57 58	LZ	14	35.0 (1)		
		e	05 58 34	Z	1.6	21.6 (1)		
19	MN	eP	05 58 02.9	Z	1.0	9.9 (0)	85.0	4.90
		eP	05 58 03	LZ	13	30.7 (1)		
19	MV	eP	05 58 06.0	Z	1.0	14.6 (0)	86.0	5.00
		eP	05 58 07	LZ	13	36.5 (1)		
19	CP	eP	05 58 21.5	Z	1.2	13.1 (0)	89.0	5.00
		eP	05 58 25	LZ	12	42.6 (1)		
		e	05 59 02	LZ	14	57.8 (1)		
		e	06 04 35	LT	14	10.8 (2)		
		eLQ	06 23 15	LT	22	69.7 (1)		
		eLR	06 29 03	LZ	43	71.9 (2)		
		eL	06 35 00	LZ	24	27.4 (2)		
		eL	06 35 00	LR	16	36.4 (2)		
		eL	06 35 00	LT	16	88.6 (2)		
							AVG.	5.21
19	05 46 05.2		43.3 N 8.1 E	LIGURIAN SEA				
			H =033 KM MAG	5.60- CGS				
19	DH	eP	05 56 00.0	Z	1.1	75.5 (0)	58.0	5.63
19	BL	eP	05 56 43.5	Z	1.2	10.6 (1)	65.0	5.84

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	05 56 45	LZ	15	75.2 (1)		
19	LV	eP	05 57 46.0	Z	1.2	18.4 (1)	75.0	5.92
19	DR	eP	05 58 17.8	Z	1.3	16.3 (1)	81.0	5.83
		eP	05 58 20	LZ	13	95.8 (1)		
19	WI	eP	05 58 25.5	Z	1.3	11.3 (1)	82.0	5.74
		ePKKP	06 16 52	Z	1.2	5.4 (0)		
		eP'P'	06 24 54	Z	1.8	16.8 (0)		
19	LC	eP	05 58 35	LZ	17	64.1 (1)	84.0	
19	MN	eP	05 58 40.0	Z	1.2	46.0 (0)	85.0	5.48
		eP	05 58 45	LZ	15	69.5 (1)		
19	MV	eP	05 58 43.3	Z	1.2	45.1 (0)	86.0	5.40
		e	05 58 48	LZ	13	97.4 (1)		
19	CP	eP	05 58 58.0	Z	1.3	65.9 (0)	89.0	5.67
							AVG.	5.69
19	CP	eP	05 48 02.5	Z	0.3	2.0 (0)	1.5	
		eS	05 48 22	R	0.3	5.0 (0)		
19	MV	e	05 58 52	Z	1.1	26.1 (0)		
19	BL	e	05 59 12	LZ	15	37.6 (1)		
19	MN	e	06 00 55	Z	1.2	7.6 (0)		
19	MV	e	06 01 16	Z	1.3	9.3 (0)		
19	DR	e	06 01 18	Z	1.5	29.4 (0)		
19	MN	e	06 01 18	Z	2.0	25.9 (0)		
19	LC	e	06 01 22	LZ	16	19.9 (1)		
19	DR	e	06 01 33	LZ	15	34.6 (1)		
19	DR	e	06 01 36	Z	1.5	29.4 (0)		
19	LC	e	06 01 48	Z	1.5	14.4 (0)		
19	MV	e	06 01 56	Z	1.6	16.8 (0)		
19	MN	e	06 02 03	LZ	20	35.5 (1)		
19	MN	e	06 02 06	Z	1.7	31.1 (0)		
19	MV	e	06 02 15	LZ	16	36.9 (1)		
19	MN	e	06 02 16	Z	1.4	25.7 (0)		
19	BL	e	06 04 52	LR	20	54.1 (1)		
19	BL	e	06 05 24	LR	16	30.4 (2)		
19	BL	e	06 06 00	LR	38	79.7 (2)		
19	DR	e	06 07 55	LR	21	34.5 (1)		
19	LC	e	06 08 20	LT	23	32.3 (1)		
19	DR	e	06 08 30	LR	18	13.4 (2)		
19	MN	e	06 08 34	LT	23	46.3 (1)		
19	MV	e	06 08 40	LT	23	37.4 (1)		
19	LC	e	06 09 00	LT	20	12.3 (2)		
19	MN	e	06 09 13	LT	17	14.2 (2)		
19	MV	e	06 09 16	LT	19	11.3 (2)		
19	BL	e	06 09 48	LR	27	24.2 (2)		
19	MV	e	06 10 21	LZ	21	59.9 (1)		
19	DR	e	06 13 40	LT	37	19.0 (3)		
19	BL	eLQ	06 14 30	LR	33	35.1 (2)		
19	LC	e	06 14 45	LT	40	99.9 (9)		
19	MN	e	06 15 05	LT	34	45.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	MV	e	06 15 29	LT	34	44.7 (2)		
19	MN	e	06 16 46	Z	1.5	14.6 (0)		
19	BL	eLR	06 16 47	LZ	34	13.0 (3)		
19	LC	e	06 16 47	Z	1.1	3.0 (0)		
19	DR	eP	06 16 54.0	Z	1.0	2.5 (0)		
19	DR	e	06 17 48	LT	23	68.6 (2)		
19	BL	eL	06 18 38	LR	25	67.0 (2)		
19	BL	eL	06 18 38	LT	24	53.9 (2)		
19	BL	eL	06 18 38	LZ	30	11.5 (3)		
19	LC	e	06 18 52	LT	22	13.8 (2)		
19	DR	e	06 19 50	LR	23	14.4 (2)		
19	LC	e	06 21 03	LZ	24	14.0 (2)		
19	MN	e	06 21 03	LR	35	20.6 (2)		
19	LC	eLQ	06 24 15	LR	34	24.1 (2)		
19	DR	eLR	06 24 20	LZ	38	10.8 (3)		
19	MV	e	06 24 39	Z	1.0	3.2 (0)		
19	MN	e	06 24 51	Z	2.0	15.5 (0)		
19	DR	eP	06 24 51.2	Z	1.0	2.5 (0)		
19	MV	eLQ	06 25 00	LR	39	39.5 (2)		
19	DR	eP	06 25 13.8	Z	0.2	3.5 (0)	4.3	
		e	06 25 23	Z	0.2	14.3 (0)		
19	BL	e	06 25 31	Z	1.0	29.5 (0)		
19	WI	eP	06 25 44.5	Z	0.4	4.8 (0)	5.1	
19	DR	eS	06 26 06	T	0.2	23.7 (0)	4.3	
19	LC	eLR	06 26 15	LZ	43	99.9 (9)		
19	WI	eS	06 26 43	R	0.7	10.9 (0)	5.1	
19	LC	eP	06 26 51.1	Z	0.6	1.0 (0)		
19	MN	eLR	06 27 15	LZ	33	64.1 (2)		
19	DR	eL	06 28 00	LT	19	11.7 (3)		
19	DR	eL	06 28 00	LR	26	37.6 (2)		
19	DR	eL	06 28 00	LZ	30	52.4 (2)		
19	LC	eL	06 28 36	R	0.8	1.4 (0)		
19	MV	eLR	06 29 00	LZ	39	59.0 (2)		
19	MV	eL	06 34 01	LR	20	39.0 (2)		
19	MV	eL	06 34 01	LT	24	30.6 (2)		
19	MV	eL	06 34 01	LZ	26	26.8 (2)		

19 07 01 46.* 44.7 N 7.0 E FRANCE ITALY BORDER
H =033 KM MAG 4.40- CGS

19 MV e 08 32 08 LT 25 52.2 (1)

19 08 33 52.7 34.1 N 116.1 W SAN BERNARDINO CTY, CALIF.
H =014 KM MAG 4.20- CGS

19	CP	eP	08 34 18.5	Z	0.4	3.9 (0)	1.3	
19	WI	eP	08 36 00.0	Z	0.2	0.5 (0)	7.0	4.17

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	08 37 41	T	0.6	2.6 (0)		
19	DR	eP	08 36 22.0	Z	0.8	1.4 (0)	10.0	4.47
		eL	08 37 46	R	0.7	1.8 (0)		
							AVG.	4.32
19	MV	e	08 43 26	LT	33	12.3 (2)		
19	MV	e	08 58 25	LR	38	86.8 (1)		
19	MV	eP	08 58 42.5	Z	1.0	6.5 (0)		
19	MN	eP	08 58 51.6	Z	0.9	4.4 (0)		
19	WI	eP	08 59 01.5	Z	0.7	4.6 (0)		
19	LC	eP	08 59 19.2	Z	1.0	3.6 (0)		
19	09 00 44.8		36.3 N 141.0 E NEAR COAST HONSHU, JAPAN H =070 KM MAG 4.60- CGS					
19	MV	eP	09 12 10.0	Z	1.1	4.0 (0)	73.0	4.25
		eLR	09 34 52	LZ	25	29.7 (1)		
19	WI	eP	09 12 17.3	Z	0.8	2.0 (0)	75.0	4.07
19	MN	eP	09 12 25.2	Z	0.7	2.0 (0)	76.0	4.16
		e	09 12 39	Z	1.3	14.3 (0)		
		eS	09 22 10	LR	20	10.9 (1)		
		eLR	09 36 00	LZ	27	29.9 (1)		
19	DR	eP	09 13 03.6	Z	0.8	1.4 (0)	83.0	4.05
		eLR	09 41 13	LZ	23	19.5 (1)		
19	LC	eP	09 13 25.0	Z	0.7	1.2 (0)	87.0	4.10
		eS	09 24 03	LR	25	14.4 (1)		
		eSS	09 29 25	LT	24	14.3 (1)		
		e	09 36 54	LT	25	14.9 (1)		
		eLQ	09 38 10	LT	28	28.4 (1)		
		eLR	09 41 25	LZ	32	25.8 (1)		
		eL	09 44 43	LZ	24	38.3 (1)		
		eL	09 44 43	LR	24	26.2 (1)		
		eL	09 44 43	LT	17	12.6 (1)		
19	BL	eLR	09 51 50	LZ	20	24.0 (1)	97.0	
							AVG.	4.13
19	MV	e	09 07 55	LT	38	16.6 (2)		
19	MV	e	09 31 35	LZ	27	37.6 (1)		
19	MN	eP	11 33 38.6	Z	0.2	3.9 (0)	0.9	
		eS	11 33 51	T	0.3	11.5 (0)		
19	WI	eP	11 33 58.5	Z	0.3	0.8 (0)	2.2	
		eS	11 34 29	R	0.3	3.9 (0)		
19	11 46 39.1		52.0 N 172.5 W ALEUTIAN ISLANDS H =050 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	MV	eP	11 53 47.0	Z	1.0	6.5 (0)	37.0	4.41
19	WI	eP	11 53 56.70	Z	1.0	7.0 (0)	38.0	4.44
19	MN	eP	11 54 08.2	Z	1.0	7.4 (0)	40.0	4.37
19	DR	eP	11 55 04.3	Z	0.8	1.4 (0)	47.0	4.01
19	LC	eP	11 55 35.5	Z	1.0	6.1 (0)	51.0	4.53
							AVG.	4.35
19	11 49 39.1		52.0 N 172.5 W ANDREANOF ISLANDS H =050 KM MAG 4.40- CGS					
19	MN	eP	12 25 07.7	Z	0.8	2.4 (0)		
19	WI	eP	12 25 18.0	Z	0.8	4.1 (0)		
19	LC	eP	12 25 35.8	Z	1.0	4.9 (0)		
19	MV	eP	12 59 51.0	Z	0.2	9.3 (0)	1.3	
19	MV	eS	13 00 08	T	0.2	9.5 (0)	1.3	
19	CP	eP	13 01 53.5	Z	0.2	0.6 (0)	0.8	
		eS	13 02 04	R	0.2	4.7 (0)		
19	CP	eP	14 08 08.2	Z	0.2	8.1 (0)	1.1	
		eS	14 08 23	T	0.2	10.8 (0)		
19	MN	eP	14 59 50.8	Z	0.2	5.1 (0)	1.3	
19	MN	eS	15 00 07	R	0.2	8.4 (0)	1.3	
		eP	15 30 06.0	Z	0.2	4.7 (0)		
19	MV	eP	15 30 06.5	Z	0.2	10.8 (0)	1.3	
19	MN	eS	15 30 23	T	0.2	12.6 (0)	1.3	
19	MV	eS	15 30 24	T	0.2	7.9 (0)	1.3	
19	15 54 55.4		34.1 N 116.1 W SAN BERNARDINO CTY, CALIF. H =014 KM MAG 4.40- CGS					
19	CP	eP	15 55 21.5	Z	0.4	19.6 (0)	1.3	
19	MN	eP	15 56 06.2	Z	0.2	3.5 (0)	4.6	4.35
		eL	15 57 17	T	0.7	15.1 (0)		
19	WI	eP	15 56 47.0	Z	0.2	1.1 (0)	7.0	4.47
		eL	15 58 42	R	0.6	11.0 (0)		
19	LC	eL	15 59 16	R	1.0	3.7 (0)	8.0	
		eL	15 59 18	LT	16	16.3 (1)		
							AVG.	4.41
19	MV	eP	15 56 56.0	Z	0.6	1.3 (0)		
19	MV	eL	15 58 21	T	0.9	7.7 (0)		
19	MV	eL	15 58 30	LZ	12	25.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	CP	eP	16 13 31.5	Z	0.3	1.0 (0)	1.3	
		eS	16 13 49	R	0.3	3.0 (0)		
19	BL	eP	18 01 36.0	Z	0.2	9.3 (0)	0.1	
		eS	18 01 42	T	0.2	32.1 (0)		
19	BL	eP	18 08 31.2	Z	999.9	99.9 (9)	0.4	
		eS	18 08 37	R	999.9	99.9 (9)		
19	DH	eP	18 13 34.7	Z	0.3	7.2 (0)	2.0	
		eS	18 14 01	T	0.3	69.7 (0)		
19	WI	eP	18 22 27.5	Z	0.2	8.9 (0)	0.1	
		eS	18 22 31	R	0.3	10.2 (0)		
19	MN	eP	18 26 51.2	Z	0.2	12.6 (0)	0.6	
		eS	18 27 00	R	0.3	14.6 (0)		
19	WI	eP	18 27 21.0	Z	0.3	1.2 (0)	2.5	
		eS	18 27 53	T	0.3	6.8 (0)		
19	DH	eP	18 47 22.5	Z	0.2	14.5 (0)		
19	18 48 35.7		18.8 N 145.7 E MARIANA ISLANDS H =102 KM MAG 4.80- CGS					
19	MV	eP	19 00 38.5	Z	0.7	6.4 (0)	81.0	4.56
		e	19 00 50	Z	0.6	3.4 (0)		
19	WI	eP	19 00 49.5	Z	0.7	10.5 (0)	82.0	4.77
19	MN	eP	19 00 52.5	Z	0.6	9.0 (0)	83.0	4.87
		e	19 01 24	Z	0.6	1.7 (0)		
19	DR	eP	19 01 30.8	Z	0.8	2.9 (0)	91.0	4.56
19	BL	ePD	19 02 30.0	Z	0.6	12.3 (0)	108.0	
							AVG.	4.69
19	CP	eP	19 05 06.0	Z	0.5	2.1 (0)		
19	19 13 55.7		43.4 N 146.3 E KURILE ISLANDS H =043 KM MAG 4.40- CGS					
19	WI	eP	19 24 45.0	Z	1.4	8.4 (0)	67.0	4.65
19	MN	eP	19 24 54.8	Z	1.0	4.1 (0)	68.0	4.44
19	LC	eP	19 25 59.0	Z	0.8	2.9 (0)	79.0	4.27
							AVG.	4.45
19	19 26 32.6		45.0 N 110.4 W YELLOWSTONE PARK, WYO. H =033 KM					
19	WI	eP	19 28 09.0	Z	0.4	0.8 (0)	6.0	3.71
		eL	19 29 30	Z	0.7	7.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	MN	eP	19 43 40.7	Z	0.2	8.7 (0)	0.3	
		eS	19 43 46	R	0.2	13.0 (0)		
19	DH	eP	20 06 22.5	Z	0.3	7.2 (0)	0.8	
		eS	20 06 34	T	0.3	12.6 (0)		
19	CP	eP	20 19 36.5	Z	0.2	5.4 (0)	0.1	
		eS	20 19 40	R	0.2	24.3 (0)		
19	LC	eP	20 36 07.0	Z	0.2	18.4 (0)	1.4	
		eS	20 36 24	T	0.3	12.0 (0)		
19	DH	eP	20 41 33.0	Z	0.3	14.5 (0)	1.5	
		eS	20 41 54	T	0.3	19.0 (0)		
19	BL	eP	20 43 04.5	Z	0.2	28.1 (0)	0.1	
		eS	20 43 11	T	0.2	12.8 (1)		
		eP	20 54 04.5	Z	0.2	23.4 (0)		
		eS	20 54 08	R	0.2	94.2 (0)		
19	20 56 43.2		45.1 N 110.0 W SOUTHERN MONTANA H =033 KM MAG 3.40- CGS					
19	WI	eP	20 58 16.0	Z	0.5	1.3 (0)	7.0	4.06
		eL	20 59 42	R	0.8	26.1 (0)		
19	MV	eL	20 59 38	LZ	20	16.8 (1)	10.0	
19	LC	eL	21 03 55	LT	17	88.9 (0)	13.0	
19	CP	eP	22 12 50.0	Z	0.3	1.0 (0)	1.3	
		e	22 12 53	Z	0.5	2.1 (0)		
		eS	22 13 07	R	0.3	12.1 (0)		
19	MN	eP	22 16 34.4	Z	0.2	3.9 (0)	1.0	
		eS	22 16 48	R	0.3	1.7 (0)		
19	BL	eP	22 19 31.0	Z	0.2	18.7 (0)	0.1	
		eS	22 19 34	T	0.2	16.5 (1)		
19	WI	eP	22 22 25.0	Z	0.2	1.1 (0)	3.6	
19	MN	eP	22 22 29.3	Z	0.2	0.7 (0)	3.0	
		eS	22 23 08	R	0.3	8.2 (0)		
19	WI	eS	22 23 14	R	0.3	12.6 (0)	3.6	
19	MN	eP	22 41 43.5	Z	0.2	4.7 (0)		
19	MV	eP	22 41 54.5	Z	0.2	6.2 (0)	2.8	
		eS	22 42 31	R	0.2	21.7 (0)		
19	WI	eP	22 42 31.0	Z	0.2	1.1 (0)	4.3	
		eS	22 43 32	R	0.6	4.6 (0)		
19	MN	eP	22 58 09.6	Z	0.2	9.5 (0)	0.4	
		eS	22 58 16	T	0.2	16.3 (0)		
19	MV	eL	23 30 45	LR	27	19.4 (1)		
20	00 11 35.0		65.2 N 133.7 W YUKON H =033 KM MAG 4.60= CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	WI	eP	00 17 02.5	Z	1.2	14.5 (0)	26.0	4.44
20	00 51 55.7		43.4 N 41.2 E GEORGIA, S.S.R.					
			H =033 KM MAG 4.80- CGS					
20	01 45 06.4		31.1 N 116.5 W COAST OF BAJA, CALIFORNIA					
			H =014 KM MAG 4.30- CGS					
20	02 13 45.3		47.2 N 152.2 E KURILE ISLANDS					
			H =108 KM MAG 4.40- CGS					
20	05 26 19.1		14.4 N 142.9 E MARIANA ISLANDS					
			H =033 KM MAG 5.10- CGS					
20	05 35 33.6		51.3 N 157.9 E RAT ALEUTIAN ISLANDS					
			H =065 KM MAG 4.20- CGS					
20	06 36 10.8		57.6 S 148.5 E MACQUARIE ISLAND					
			H =033 KM MAG 5.60- CGS					
20	07 34 38.7		10.5 N 62.5 W COAST OF VENEZUELA					
			H =056 KM MAG 4.00- CGS					
20	07 38 50.9		32.4 N 140.5 E SOUTH OF HONSHU, JAPAN					
			H =124 KM MAG 4.40- CGS					
20	10 41 02.5		45.1 N 111.3 W SOUTHWESTERN MONTANA					
			H =033 KM MAG 3.40- CGS					
20	15 07 58.2		68.8 N 4.6 W JAN MAYEN ISLAND REGION					
			H =049 KM MAG 4.80- CGS					
20	19 13 05.9		37.1 N 115.6 W SOUTHERN NEVADA					
			H =025 KM MAG 4.10- CGS					
21	MN	eP	02 43 40.9	Z	0.2	1.6 (0)	0.1	
		eS	02 43 45	R	0.2	8.3 (0)		
21	MN	eP	04 05 03.6	Z	0.2	99.9 (9)	1.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	04 05 18	R	0.2	24.9 (0)		
21	MV	eP	04 05 28.5	Z	0.5	1.2 (0)	2.9	
21	WI	eP	04 05 55.5	Z	0.4	0.8 (0)	4.4	
21	MV	eS	04 06 05	T	0.5	19.9 (0)	2.9	
21	WI	eS	04 06 51	T	0.5	5.6 (0)	4.4	
21	MN	eP	04 12 18.9	Z	0.2	2.0 (0)	1.8	
		eS	04 12 33	R	0.2	5.8 (0)		
21	WI	eP	05 01 42.5	Z	0.5	1.3 (0)	5.6	
21	DR	eP	05 02 11.0	Z	0.6	1.0 (0)	0.7	
21	WI	eS	05 02 47	R	0.5	1.2 (0)	5.6	
21	DR	eS	05 03 17	R	0.5	0.9 (0)	0.7	
21	MN	eP	05 48 17.9	Z	0.9	0.6 (0)		
21	06 01 57.3		14.8 N 56.1 E ARABIAN SEA					
			H =033 KM					
21	MN	eP	06 20 51.1	Z	1.1	2.1 (0)	127.0	
21	DR	eP	06 20 55.9	Z	0.8	1.4 (0)	126.0	
21	LC	eP	06 21 04.5	Z	1.1	3.0 (0)	130.0	
21	CP	eP	06 21 27.1	Z	2.0	26.7 (0)	132.0	
		eSKP	06 24 50	Z	2.8	96.8 (0)		
21	06 47 32.2		17.8 N 46.5 W NORTH ATLANTIC OCEDN					
			H =033 KM MAG 4.80- CGS					
21	LC	eP	06 57 08.2	Z	1.0	5.0 (0)	57.0	4.49
		e	07 00 35	LR	30	25.9 (1)		
		eS	07 05 05	LR	20	29.1 (1)		
		eLQ	07 09 25	LR	23	26.2 (1)		
		eLR	07 13 32	LZ	35	37.6 (1)		
		eL	07 18 30	LZ	24	65.1 (1)		
		eL	07 18 30	LR	24	57.8 (1)		
		eL	07 18 30	LT	30	47.2 (1)		
21	DR	eP	06 57 16.6	Z	2.3	34.0 (0)	57.0	4.97
21	MN	eP	06 58 14.9	Z	1.4	8.1 (0)	65.0	4.66
21	BL	eS	07 00 30	LR	13	56.8 (1)	36.0	
		eLQ	07 03 00	LT	23	44.3 (1)		
		eLR	07 04 25	LZ	26	56.4 (1)		
21	DH	eL	07 03 25	LZ	30	84.3 (1)	34.0	
21	CP	eLR	07 20 00	LZ	27	38.9 (1)	64.0	
							AVG.	4.71
21	WI	eP	06 52 03.0	Z	0.4	0.8 (0)	1.7	
		eS	06 52 29	T	0.5	2.4 (0)		
		eP	06 53 30.2	Z	0.4	0.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	M.G
		eS	06 53 56	T	0.5	4.4 (0)		
21	WI	eP	06 58 07.5	Z	1.6	20.0 (0)	64.0	
21	WI	eP	07 00 25.5	Z	0.4	0.8 (0)	2.0	
		eS	07 00 41	R	0.5	6.1 (0)		
21	DR	eLR	07 05 00	LZ	42	58.7 (1)		
21	WI	eL	07 06 10	LT	35	98.7 (0)	64.0	
21	MV	eL	07 06 10	LZ	40	26.3 (1)	67.0	
21	MN	eL	07 06 25	LR	21	10.7 (1)		
21	MN	eP	10 21 28.9	Z	0.2	1.6 (0)	0.6	
		e	10 21 38	T	0.2	14.0 (0)		
21	BL	eP	11 02 13.0	Z	0.5	7.2 (0)		
21	11 03 20.*		56.1 S 27.4 W SANDWICH ISLANDS H =080 KM MAG 5.50- CGS					
21	DR	eP'	11 21 56.5	Z	1.0	6.2 (0)	115.0	
21	MN	eP'	11 22 04.4	Z	0.9	1.9 (0)	121.0	
21	WI	eL	12 38 35	LT	14	11.6 (1)	123.0	
21	12 12 47.*		11.9 S 166.7 E SANTA CRUZ ISLANDS H =184 KM MAG 4.10- CGS					
21	CP	eP	12 32 16.3	Z	0.7	0.7 (0)		
21	DR	eP	12 33 12.0	Z	0.8	0.7 (0)		
21	CP	eL	12 34 11	T	1.2	6.5 (0)		
21	DR	eL	12 36 06	R	1.0	3.6 (0)		
21	12 45 07.*		37.2 N 141.7 E EAST COAST HONSHU, JAPAN H =033 KM MAG 3.90- CGS					
21	14 45 07.1		09.7 N 122.3 E NEGROS, PHILIPPINE ISLANDS H =054 KM					
21	MN	ePS	15 13 07	LR	24	12.4 (1)	106.0	
		eLR	15 35 00	LZ	26	33.0 (1)		
21	LC	e	15 22 12	LR	31	25.5 (1)	117.0	
		eLQ	15 32 32	LR	25	15.1 (1)		
		eLR	15 40 20	LZ	30	90.3 (0)		
		eL	15 43 10	LZ	23	15.3 (1)		
		eL	15 43 10	LR	25	31.5 (1)		
		eL	15 43 10	LT	25	60.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	CP	eLR	15 35 30	LZ	28	28.7 (1)	110.0	
21	DR	eLR	15 38 00	LZ	28	24.4 (1)	114.0	
21	MN	eP	15 03 56.9	Z	1.0	1.7 (0)		
21	CP	eP	18 36 06.0	Z	0.2	17.0 (0)		
21	MN	eP	18 37 18.4	Z	0.6	0.3 (0)	5.2	
		eS	18 38 22	T	1.0	2.6 (0)		
21	18 48 30.4		36.5 N 69.9 E HINDU KUSH REGION H =112 KM MAG 4.00- CGS					
21	BL	eP	19 10 29.5	Z	0.7	9.6 (0)		
21	DR	eP	19 33 10.5	Z	1.0	2.5 (0)		
21	DH	eP	19 56 05.0	Z	0.3	14.8 (0)	1.5	
		eS	19 56 21	T	0.3	23.5 (0)		
21	20 29 38.3		55.4 N 155.7 W KODIAK ISLAND REGION H =033 KM MAG 3.70- CGS					
21	MV	eL	20 33 00	LZ	35	19.2 (1)	28.0	
22	00 16 33.1		13.6 N 89.9 W EL SALVADOR H =034 KM MAG 4.00- CGS					
22	MN	eP	00 23 27.5	Z	0.7	4.1 (0)	35.0	4.47
22	MV	ePP	00 25 38	LZ	24	20.3 (1)	38.0	
22	00 29 14.9		06.1 S 148.9 E NEW BRITAIN H =059 KM MAG 5.00- CGS					
22	MV	eP	00 42 27.7	Z	1.3	6.3 (0)	94.0	4.84
22	MN	eP	00 42 38.6	Z	1.4	9.9 (0)	96.0	5.14
		eP	00 42 42	LZ	23	20.6 (1)		
22	WI	eP	00 42 41.5	Z	1.5	13.6 (0)	96.0	5.25
22	LC	eP	00 43 20	LZ	20	12.8 (1)	105.0	
		eSKS	00 54 01	LR	21	13.8 (1)		
		eS	00 55 10	LT	27	46.0 (1)		
		ePS	00 56 45	LR	23	74.4 (1)		
		ePKKP	00 59 17	Z	1.1	18.5 (0)		
		eLQ	01 02 50	LR	23	26.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	01 12 50	LT	45	99.9 (9)		
22	BR	eP'	00 48 12.5	Z	1.0	20.4 (0)	125.0	
		eLR	01 32 12	LZ	27	10.6 (2)		
22	BL	eP'	00 48 16.4	Z	0.8	5.7 (0)	125.0	
22	DR	eSP	00 56 42	LZ	26	46.4 (1)	104.0	
22	CP	e	00 58 30	LZ	21	54.7 (1)	97.0	
		eLR	01 14 05	LZ	30	19.2 (2)		
22	DR	eSS	01 01 30	LR	35	93.1 (1)	104.0	
		eLQ	01 14 05	LR	30	76.1 (1)		
		eLR	01 17 13	LZ	35	20.9 (2)		
		eL	01 22 20	LZ	22	20.6 (2)		
		eL	01 22 20	LR	22	11.5 (2)		
		eL	01 22 20	LT	22	33.0 (1)		
							AVG.	5.07
22	MV	e	00 30 50	LR	25	20.1 (1)		
22	MN	e	00 39 01	LZ	20	15.5 (1)		
22	MV	e	00 42 42	LZ	23	31.4 (1)		
22	MN	e	00 43 07	Z	1.2	14.0 (0)		
22	MV	e	00 43 10	LR	24	26.2 (1)		
22	MN	e	00 43 40	Z	1.0	5.8 (0)		
22	MN	e	00 46 55	LZ	20	15.5 (1)		
22	MV	e	00 50 05	LR	30	40.4 (1)		
22	BL	e	00 58 24	LR	30	23.0 (2)		
22	MN	e	01 01 12	LT	27	75.5 (1)		
22	MV	e	01 02 07	LT	46	13.4 (2)		
22	MV	e	01 03 58	LT	31	74.0 (1)		
22	MN	e	01 04 40	LR	22	53.5 (1)		
22	MV	e	01 06 55	LT	38	13.8 (2)		
22	BL	e	01 07 12	LR	22	61.9 (1)		
22	DH	e	01 07 20	LT	27	45.6 (1)		
22	MN	eP	01 07 39.0	Z	1.3	6.3 (0)		
22	MV	eLQ	01 08 06	LT	31	10.8 (2)		
22	MN	eLQ	01 09 30	LT	32	10.8 (2)		
22	MV	eLR	01 12 05	LZ	28	18.2 (2)		
22	MN	eLR	01 13 15	LZ	31	14.8 (2)		
22	MV	eL	01 16 07	LR	23	17.2 (2)		
22	MV	eL	01 16 07	LT	23	13.4 (2)		
22	MV	eL	01 16 07	LZ	24	26.2 (2)		
22	MN	eL	01 17 23	LR	23	19.9 (2)		
22	MN	eL	01 17 23	LT	22	14.9 (2)		
22	MN	eL	01 17 23	LZ	22	23.7 (2)		
22	BL	e	01 21 10	LT	33	64.0 (2)		
22	DH	e	01 21 53	LZ	30	71.7 (1)		
22	DH	e	01 23 24	LT	37	12.9 (2)		
22	BL	eLR	01 28 40	LZ	32	10.1 (2)		
22	DH	eL	01 29 07	LZ	35	84.0 (1)		
22	BL	eL	01 32 03	LR	25	11.7 (2)		
22	BL	eL	01 32 03	LT	26	30.7 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	BL	eL	01 32 03	LR	25	11.7 (2)		
22	BL	eL	01 32 03	LT	26	30.7 (2)		
22	BL	eL	01 32 03	LZ	25	11.3 (2)		
22	DH	eLR	01 34 37	LZ	24	18.2 (2)		
22	BL	eLR	02 25 05	LZ	20	36.3 (1)		
22	MV	e	02 40 35	LZ	32	26.5 (1)		
22	MN	eL	02 40 58	LZ	29	39.0 (1)		
22	MN	eP	03 43 07.4	Z	0.2	16.6 (0)	1.1	
		eS	03 43 23	R	0.2	24.9 (0)		
22	WI	eP	03 43 59.7	Z	0.4	1.2 (0)	3.0	
		eS	03 44 39	R	0.5	6.6 (0)		
22	MV	eP	03 56 28.0	Z	1.2	7.5 (0)		
22	MN	eL	04 06 55	LZ	30	28.3 (1)		
22	BR	eP	04 21 23.5	Z	0.5	3.4 (0)		
22	MN	eP	04 23 13.3	Z	1.1	4.1 (0)		
22	CP	eP	07 11 04.0	Z	0.2	6.8 (0)	1.0	
		eS	07 11 28	R	0.2	14.8 (0)		
22	CP	eP	07 54 19.3	Z	0.3	1.0 (0)		
22	CP	e	07 54 25	Z	0.3	99.9 (9)		
22	MN	eP	07 55 55.6	Z	0.8	0.9 (0)		
22	MN	eL	07 57 54	T	2.0	19.6 (0)		
22	CP	eP	08 18 38.5	Z	0.4	1.9 (0)		
22	MN	eP	08 34 32.9	Z	1.0	1.6 (0)		
22	LC	eL	08 56 50	LZ	21	51.4 (0)		
22	MV	e	10 25 56	LT	22	30.0 (1)		
22	MV	eL	10 35 22	LZ	109	30.0 (1)		
22	MN	eP	11 07 24.8	Z	0.2	2.3 (0)	2.9	
		eS	11 08 00	R	0.2	8.3 (0)		
22	11 08 52.*		50.4 N 169.2 E H =033 KM MAG 4.20-	ALEUTIAN NEAR ISLANDS CGS				
22	DR	eP	11 34 41.1	Z	0.4	2.6 (0)	5.2	
		eS	11 35 04	R	0.4	2.9 (0)		
22	WI	eP	11 59 27.0	Z	0.4	0.8 (0)	2.0	
		eS	11 59 54	R	0.4	10.5 (0)		
22	MV	eP	12 06 55.5	Z	0.2	40.5 (0)	1.1	
		eS	12 07 11	T	0.2	45.1 (0)		
22	WI	eP	12 07 28.1	Z	0.4	5.6 (0)	4.0	
		e	12 07 36	Z	0.4	12.8 (0)		
		eS	12 08 16	R	0.4	14.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	CP	eP	13 07 47.5	Z	0.6	1.2 (0)		
22	13 45 41.2		03.2 S 76.0 W NORTHWESTERN COLOMBIA H =149 KM MAG 3.80m CGS					
22	LC	eP	13 53 50.5	Z	0.6	1.5 (0)	46.0	3.82
22	MN	eP	13 55 12.8	Z	0.7	2.4 (0)	57.0	4.20
							AVG.	4.01
22	BR	eP	13 54 36.7	Z	0.5	5.1 (0)	2.3	
		eS	13 55 06	R	999.9	99.9 (9)		
22	15 47 55.*		20.9 S 174.1 W TONGA ISLANDS H =033 KM MAG 4.10m CGS					
22	MN	eP	15 59 55.8	Z	1.2	6.3 (0)	79.0	4.46
22	LC	eL	16 28 55	LZ	22	76.9 (0)	83.0	
22	MN	eP	15 53 01.8	Z	0.2	4.3 (0)	0.6	
		eS	15 53 11	T	0.2	11.6 (0)		
22	16 33 22.2		12.5 S 73.7 W NORTHERN PERU H =079 KM MAG 4.50m CGS					
22	MN	eP	16 44 22.1	Z	0.7	0.4 (0)		
22	BL	eP	17 15 57.6	Z	0.2	13.8 (0)	0.1	
		eS	17 16 01	R	0.2	98.4 (0)		
22	BR	eP	17 41 16.0	Z	0.4	2.3 (0)	1.4	
		eS	17 41 35	T	0.4	13.9 (0)		
22	17 46 33.4		17.4 N 94.8 W VERA CRUZ, MEXICO H =069 KM MAG 4.00m CGS					
22	LC	eP	17 50 43.0	Z	0.5	1.4 (0)	18.0	3.42
22	MN	eP	17 52 31.1	Z	0.7	2.0 (0)	29.0	3.93
22	WI	eP	17 52 44.2	Z	0.5	8.3 (0)	31.0	4.78
							AVG.	4.04
22	BR	eP	18 01 21.0	Z	0.5	2.5 (0)	1.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	18 01 43	R	0.4	20.2 (0)		
22	DH	eP	18 04 11.5	Z	0.8	6.0 (0)		
22	BL	eL	18 11 12	LR	35	95.7 (1)		
22	BR	eP	18 18 53.0	Z	0.3	5.6 (0)	0.1	
		eS	18 18 56	R	0.3	17.0 (0)		
22	CP	eP	19 02 56.5	Z	0.2	3.4 (0)	0.8	
		eS	19 03 07	R	0.2	10.7 (0)		
22	19 22 22.3		07.7 N 126.8 E COAST OF MINDANAO, P. I. H =125 KM					
22	BR	eP	19 49 22.5	Z	0.5	4.2 (0)	0.5	
		eS	19 49 30	T	0.5	25.8 (0)		
22	BL	eP	19 58 22.8	Z	0.2	13.8 (0)		
22	BR	eP	20 18 24.0	Z	0.5	3.4 (0)	1.0	
		eS	20 18 37	R	0.4	6.9 (0)		
22	MV	eP	20 34 55.6	Z	0.2	5.4 (0)	0.8	
		eS	20 35 07	T	0.2	13.2 (0)		
22	MN	eP	20 35 23.5	Z	0.2	0.7 (0)	2.6	
		eS	20 35 57	T	0.3	2.2 (0)		
22	BR	eP	20 39 05.5	Z	0.5	2.5 (0)	2.9	
		eS	20 39 38	R	999.9	99.9 (9)		
22	CP	eP	20 58 28.7	Z	0.2	9.5 (0)	1.3	
		eS	20 58 46	T	0.3	23.4 (0)		
22	BL	eP	21 34 39.0	Z	0.2	64.5 (0)	0.1	
		eS	21 34 42	T	0.3	96.6 (0)		
22	BL	eP	22 11 11.0	Z	0.3	6.9 (0)	0.6	
		eS	22 11 19	R	0.3	53.7 (0)		
22	BR	eP	22 11 41.5	Z	0.4	3.9 (0)	2.3	
		eS	22 12 11	R	0.5	12.4 (0)		
22	DR	eP	22 28 29.7	Z	0.3	1.8 (0)	2.2	
		eS	22 28 58	R	0.3	7.0 (0)		
22	CP	eP	22 29 03.0	Z	0.3	1.0 (0)	0.8	
		eS	22 29 13	R	0.3	10.1 (0)		
22	BR	eP	23 07 10.0	Z	0.2	8.6 (0)	0.8	
		eS	23 07 21	R	0.4	6.3 (0)		
22	BL	eP	23 13 19.4	Z	0.2	32.2 (0)	0.1	
		eS	23 13 22	R	0.2	80.5 (0)		
22	23 56 37.8		17.7 S 167.9 E NEW HEBRIDES ISLANDS H =033 KM					
23	03 22 23.7		50.2 N 143.7 E SAKHALIN ISLAND H =033 KM MAG 4.20m CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	MN	eP	03 33 10.8	Z	1.0	1.6 (0)	66.0	4.11
23	LC	eP	04 13 17.0	Z	0.9	1.9 (0)		
23	MV	eP	05 06 45.5	Z	1.2	7.4 (0)		
23	LC	eP	05 14 26.5	Z	0.3	1.7 (0)	2.3	
		eS	05 14 56	T	0.3	4.9 (0)		
23	06 17 51.5		41.5 N 141.9 E H =091 KM MAG	TSUGARU STRAIT 4.40-		CGS		
23	MV	eP	06 28 53.8	Z	1.0	6.4 (0)	70.0	4.43
		e	06 29 12	Z	1.0	16.2 (0)		
		eL	06 50 38	LZ	26	22.8 (1)		
23	WI	eP	06 29 00.7	Z	1.1	0.5 (0)	71.0	3.34
		epP	06 29 18	Z	1.8	6.7 (0)		
23	MN	eP	06 29 09.1	Z	0.9	4.9 (0)	72.0	4.37
		e	06 29 27	Z	1.5	52.4 (0)		
23	CP	eP	06 29 30.0	Z	1.0	4.3 (0)	77.0	4.26
		eLR	06 50 30	LZ	25	19.4 (1)		
23	DR	eP	06 29 48.0	Z	1.0	6.2 (0)	79.0	4.41
		epP	06 30 10	Z	1.0	7.5 (0)		
23	LC	eP	06 30 10.0	Z	1.0	6.2 (0)	83.0	4.52
		e	06 30 29	Z	1.0	11.2 (0)		
		e	06 40 15	LR	25	10.0 (1)		
		e	06 50 00	LR	28	11.7 (1)		
		eLR	06 57 30	LZ	32	19.1 (1)		
23	DH	eP	06 30 44.5	Z	0.5	7.6 (0)	90.0	5.09
		eLR	07 04 00	LZ	34	19.6 (1)		
23	BR	eP	06 30 47.5	Z	1.0	11.5 (0)	91.0	5.07
		eL	07 05 00	LZ	50	42.0 (2)		
23	BL	eL	07 05 01	LZ	30	14.5 (1)	92.0	
							AVG.	4.43
23	WI	eP	08 22 04.5	Z	0.4	0.4 (0)	2.2	
		e	08 22 07	Z	0.4	1.6 (0)		
		eS	08 22 33	T	0.5	8.8 (0)		
23	BR	eP	10 36 19.0	Z	0.3	2.4 (0)	1.0	
		eS	10 36 30	R	0.4	4.4 (0)		
23	BR	eP	11 08 50.0	Z	0.5	5.2 (0)	0.2	
		eS	11 08 55	R	0.5	6.2 (0)		
23	BL	eP	12 31 59.0	Z	0.3	17.7 (0)	0.1	
		eS	12 32 62	R	0.3	45.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	12 40 55.4		43.1 N 147.5 E H =033 KM MAG	KURILE ISLANDS REGION 4.00-		CGS		
23	MN	eP	12 51 52.8	Z	1.1	2.0 (0)	68.0	4.12
23	WI	eP	13 22 11.5	Z	0.5	2.6 (0)		
23	DH	eP	14 44 25.5	Z	0.3	21.7 (0)	1.6	
23	BR	eP	14 44 32.7	Z	0.5	6.1 (0)	2.3	
23	DH	eS	14 44 48	R	0.3	46.0 (0)	1.6	
23	BR	eS	14 45 03	R	0.3	10.4 (0)	2.3	
23	CP	eP	14 53 42.8	Z	0.2	2.7 (0)	0.3	
		eS	14 53 48	T	0.2	10.8 (0)		
23	BR	eP	15 32 15.0	Z	0.4	1.5 (0)	0.7	
		eS	15 32 25	R	0.6	22.9 (0)		
23	MN	eP	16 00 42.8	Z	0.2	1.5 (0)	0.5	
		eS	16 00 51	T	0.3	2.9 (0)		
23	BL	eP	17 09 09.5	Z	0.4	30.8 (0)	0.5	
		eS	17 09 12	T	0.4	37.6 (0)		
23	17 13 45.*		12.4 S 165.3 E H =033 KM MAG	SANTA CRUZ ISLANDS 5.60-		CGS		
23	MN	eLR	17 55 00	LZ	20	12.1 (1)	87.0	
23	LC	eLR	17 57 12	LZ	19	48.6 (0)	87.0	
23	BR	eP	17 41 30.0	Z	0.3	13.2 (0)	0.1	
		eS	17 41 33	R	0.3	30.0 (0)		
23	BR	eP	17 52 56.0	Z	0.4	7.9 (0)	0.3	
		eS	17 53 02	R	0.4	11.3 (0)		
23	BR	eP	17 53 23.0	Z	0.3	13.2 (0)	0.2	
		eS	17 53 28	T	0.3	17.8 (0)		
23	18 09 52.3		17.5 S 167.2 E H =033 KM MAG	NEW HEBRIDES ISLANDS 4.40-		CGS		
23	WI	eP	18 23 02.5	Z	0.9	6.3 (0)	91.0	4.91

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	CP	eP	18 11 06.3	Z	0.2	2.0 (0)	0.7	
		eS	18 11 17	R	0.2	12.3 (0)		
23	CP	eP	18 18 54.5	Z	0.3	1.5 (0)	1.7	
		eS	18 19 17	R	0.4	3.3 (0)		
		eP	18 22 32.2	Z	0.2	1.3 (0)		
		eS	18 22 55	R	0.3	1.9 (0)		
23	MN	eP	18 58 46.3	Z	0.2	2.3 (0)	1.0	
		eS	18 59 01	R	0.2	4.1 (0)		
23	BR	eP	19 04 25.5	Z	0.3	4.9 (0)	0.1	
		eS	19 04 28	R	0.3	7.8 (0)		
23	LC	eP	19 13 17.5	Z	0.4	0.4 (0)		
23	LC	eL	19 15 15	LR	15	57.2 (1)		
23	LC	eL	19 15 25	T	0.7	5.5 (0)		
23	MN	e	19 22 30	LZ	33	35.4 (1)		
23	MN	e	19 28 43	LZ	35	53.2 (1)		
23	CP	eP	19 30 16.6	Z	1.0	4.3 (0)		
23	BR	eP	19 33 02.2	Z	0.4	3.1 (0)		
23	BR	eS	19 33 23	T	0.3	20.8 (0)		
23	BR	eP	19 45 21.7	Z	999.9	99.9 (9)	0.1	
		eS	19 45 24	T	999.9	99.9 (9)		
23	BL	eP	19 54 22.5	Z	0.3	10.6 (0)	1.6	
		eS	19 54 45	R	0.3	52.3 (0)		
23	BL	eP	19 56 40.5	Z	0.3	17.7 (0)	0.5	
		eS	19 56 48	R	0.3	39.2 (0)		
23	MV	e	20 06 15	LZ	43	17.6 (2)		
23	MV	e	20 23 05	LZ	50	22.9 (2)		
23	CP	eP	20 28 15.0	Z	0.2	2.0 (0)	1.5	
		eS	20 28 35	R	0.2	13.0 (0)		
23	MV	e	21 18 03	LZ	25	22.1 (1)		
23	BR	eP	21 23 27.5	Z	0.4	2.3 (0)	0.8	
		eS	21 23 42	R	0.4	13.6 (0)		
23	BL	eP	21 28 10.5	Z	0.5	7.5 (0)	0.6	
		eS	21 28 19	T	0.5	22.4 (0)		
23	MN	eP	21 31 08.0	Z	1.0	1.6 (0)		
23	MV	e	21 43 17	LT	45	73.7 (2)		
23	MV	e	21 48 55	LR	24	29.5 (1)		
23	DR	eP	21 49 40.5	Z	0.3	1.7 (0)	2.0	
		eS	21 50 08	R	0.3	3.5 (0)		

23 21 51 15.5 50.0 N 176.3 W ANDREANOF ALEUTIAN ISLANDS
H =077 KM

23	BR	eP	21 57 55.5	Z	0.3	8.2 (0)	0.3	
		eS	21 58 01	R	0.3	24.8 (0)		
23	DR	eP	22 11 30.0	Z	0.5	2.8 (0)	0.8	
		eS	22 11 38	R	0.3	5.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	BR	eP	22 18 51.8	Z	0.3	1.6 (0)	1.4	
		eS	22 19 02	T	0.4	9.3 (0)		
23	CP	eP	22 44 39.6	Z	0.2	4.7 (0)	1.4	
		eS	22 44 57	T	0.2	7.4 (0)		
23	DR	eP	23 06 51.5	Z	0.3	1.3 (0)	1.6	
		eS	23 07 14	R	0.5	7.4 (0)		
23	BL	eP	23 12 13.0	Z	0.4	10.2 (0)	0.1	
		eS	23 12 16	R	0.4	94.7 (0)		
23	DH	eP	23 21 40.8	Z	0.2	14.4 (0)	1.4	
		eS	23 22 04	T	0.2	22.3 (0)		
23	MN	eP	23 40 21.1	Z	1.0	2.4 (0)		
23	MV	eP	23 46 45.0	Z	0.7	1.6 (0)		
23	CP	eP	23 46 53.7	Z	0.9	4.4 (0)		
23	MN	e	23 46 56	Z	1.0	2.4 (0)		
23	CP	eP	23 48 17.6	Z	0.2	10.2 (0)	0.8	
		eS	23 48 29	R	0.2	28.7 (0)		

24 05 22 54.3 20.6 S 178.7 W FIJI ISLANDS
H =531 KM MAG 4.20- CGS

24 08 50 20.7 32.4 N 138.4 E SOUTH OF HONSHU, JAPAN
H =297 KM MAG 4.20- CGS

24 09 26 46.5 27.2 S 177.2 W KERMADEC ISLANDS
H =033 KM MAG 4.40- CGS

24 09 49 12.6 57.6 N 150.5 W KODIAK ISLAND, ALASKA
H =033 KM MAG 4.00- CGS

24 10 57 46.9 44.9 N 111.1 W HEBGEN LAKE REGION, MONT.
H =033 KM

24 11 01 32.* 16.7 S 177.4 W FIJI ISLANDS
H =033 KM MAG 4.40- CGS

24 11 32 17.7 24.6 N 122.0 E EAST COAST OF FORMOSA
H =033 KM MAG 5.30- CGS

24 11 50 31.1 36.1 N 136.8 E HONSHU, JAPAN
H =033 KM MAG 4.10- CGS

24 12 28 19.8 14.5 S 167.5 E NEW HEBRIDES ISLANDS
H =033 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	14		06 04.4	12.3 N 88.3 W	COAST OF EL SALVADOR			
			H =047 KM MAG	3.80-	CGS			
24	16		46 38.4	06.4 S 147.8 E	COAST OF EAST NEW GUINEA			
			H =055 KM MAG	4.50-	CGS			
24	19		04 32.5	09.0 S 158.2 E	SOLOMON ISLANDS			
			H =033 KM MAG	5.80-	CGS			
24	20		57 00.5	17.9 S 167.2 E	LOYALTY ISLANDS			
			H =033 KM MAG	4.70-	CGS			
24	21		47 54.1	09.7 S 154.4 E	SOLOMON SEA			
			H =016 KM MAG	5.20-	CGS			
25	BL	eP	01 24 31.9	Z	0.2	50.1 (0)	0.1	
		eS	01 24 35	R	0.2	26.1 (1)		
25	LC	eL	01 25 23	LZ	27	59.9 (0)		
25	MN	eP	01 31 57.2	Z	0.2	3.5 (0)	1.9	
		eS	01 32 22	R	0.2	7.0 (0)		
25	MV	eP	02 49 26.1	Z	0.3	2.2 (0)	2.4	
25	MN	eP	02 49 35.2	Z	0.2	3.9 (0)	2.8	
25	MV	eS	02 49 57	T	0.3	12.3 (0)	2.4	
25	MN	eS	02 50 10	R	0.2	19.1 (0)	2.8	
25	LC	eL	02 57 02	LZ	25	62.5 (0)		
25	LC	eL	05 28 45	LZ	20	63.2 (0)		
25	07		04 21.9	06.8 N 73.0 W	NORTHERN COLOMBIA			
			H =152 KM MAG	5.20-	CGS			
25	BL	eP	07 10 35.1	Z	0.9	11.7 (1)	32.0	5.56
		eL	07 17 30	LZ	20	18.2 (1)		
25	BR	eP	07 10 49.5	Z	0.8	84.9 (0)	33.0	5.52
		eSCP	07 16 57	Z	0.5	4.2 (0)		
25	DH	eP	07 11 05.5	Z	0.6	74.5 (0)	35.0	5.63
		eP	07 12 05	LZ	20	25.2 (1)		
		eSCP	07 17 04	Z	0.5	14.9 (0)		
		e	07 21 27	LZ	20	22.0 (1)		
25	LC	eP	07 11 46.8	Z	999.9	99.9 (9)	40.0	
		epP	07 12 17	Z	0.7	9.3 (0)		
		e	07 12 39	Z	1.0	99.9 (9)		
		e	07 14 05	LR	18	14.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSCP	07 17 22	Z	1.2	23.0 (0)		
		eS	07 17 42	T	2.7	19.8 (1)		
		eS	07 17 42	LT	20	29.1 (1)		
		eSS	07 20 52	LT	25	28.2 (1)		
25	DR	eP	07 12 16.0	Z	0.5	16.7 (0)	44.0	4.86
		epP	07 13 59	Z	0.5	9.0 (0)		
25	CP	eP	07 12 46.2	Z	0.7	6.5 (0)	48.0	4.36
		eSCP	07 14 53	Z	1.2	8.9 (0)		
25	MN	eP	07 13 14.0	Z	1.0	34.1 (0)	51.0	5.07
		eSCP	07 18 07	Z	1.3	7.9 (0)		
		e	07 19 13	Z	1.0	2.4 (0)		
		e	07 20 20	Z	1.8	11.8 (0)		
25	WI	eP	07 13 14.5	Z	999.9	99.9 (9)	52.0	
		eSCP	07 18 16	Z	1.5	20.7 (0)		
25	MV	eP	07 13 31.5	Z	0.6	8.0 (0)	54.0	4.71
		ePCP	07 14 35	Z	1.0	9.5 (0)		
							AVG.	5.10
25	CP	eP	10 16 24.3	Z	0.2	2.7 (0)	1.5	
		eS	10 16 44	R	0.2	9.5 (0)		
25	CP	eP	11 28 25.4	Z	0.2	2.0 (0)	1.5	
		eS	11 28 45	T	0.2	12.9 (0)		
25	WI	eL	11 40 00	LZ	35	11.6 (2)		
25	11		47 04.3	20.0 S 179.4 W	FIJI ISLANDS			
			H =522 KM MAG	3.70-	CGS			
25	MV	eL	12 26 35	LR	42	14.3 (2)	81.0	
25	BL	eP	12 48 12.7	Z	0.2	22.8 (0)	0.1	
		eS	12 48 16	R	0.2	12.1 (1)		
25	BR	eP	12 54 42.5	Z	0.5	25.3 (0)	0.1	
		eS	12 54 46	T	0.5	41.4 (0)		
25	12		57 49.*	14.2 N 92.1 W	MEXICO GUATAMALA BORDER			
			H =033 KM MAG	4.20-	CGS			
25	LC	eP	13 02 46.8	Z	0.6	4.7 (0)	22.0	4.06
25	MN	eP	13 04 28.0	Z	0.8	2.4 (0)	33.0	4.15
							AVG.	4.10
25	MN	eLR	13 17 16	LZ	20	94.9 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	CP	eP	13 20 19.8	Z	0.2	11.0 (0)	1.4	
		eS	13 20 47	R	0.2	27.2 (0)		
25	CP	eP	14 52 05.4	Z	0.2	4.8 (0)	1.2	
		eS	14 52 21	R	0.2	7.4 (0)		
25	15 17 17.9		08.1 N 123.5 E MINDANAO, PHILIPPINE IS. H =637 KM MAG 4.40- CGS					
25	MN	eP	15 51 59.1	Z	0.2	1.9 (0)		
25	LC	eP	16 06 46.0	Z	0.2	1.1 (0)	2.4	
		eS	16 07 17	T	0.3	4.4 (0)		
25	DH	eP	16 59 27.0	Z	0.5	14.9 (0)	1.6	
		eS	16 59 48	R	0.5	33.8 (0)		
25	CP	eP	18 01 44.6	Z	0.2	2.0 (0)	0.1	
		eS	18 01 48	R	0.2	10.8 (0)		
25	MV	eP	18 26 11.0	Z	0.2	3.8 (0)	1.3	
		eS	18 26 28	T	0.2	18.8 (0)		
25	MN	eP	19 00 34.4	Z	0.2	4.3 (0)	1.2	
		eS	19 00 50	R	0.2	5.0 (0)		
25	BL	eP	19 06 56.9	Z	0.8	11.3 (0)		
25	BL	eP	20 24 28.8	Z	0.5	3.6 (0)		
25	20 31 18.*		02.4 S 77.8 W ECUADOR H =033 KM MAG 4.00- CGS					
25	BL	eP	21 01 18.4	Z	0.2	31.9 (0)	0.1	
		eS	21 01 22	R	0.2	76.6 (0)		
25	BL	eP	21 05 33.8	Z	0.3	10.2 (0)	1.5	
		eS	21 05 40	R	0.2	49.6 (0)		
25	CP	eP	21 22 22.4	Z	0.2	99.9 (9)		
25	MV	e	21 25 15	LZ	40	11.6 (2)		
25	MV	eP	21 31 39.0	Z	0.8	3.7 (0)		
25	MN	eP	21 53 32.6	Z	0.2	16.6 (0)		
25	BL	eP	22 18 17.6	Z	0.2	18.2 (0)	0.1	
		eS	22 18 22	R	0.2	11.7 (1)		
26	MN	eP	00 18 21.8	Z	0.7	1.2 (0)		
26	MN	eP	02 15 11.4	Z	0.2	3.5 (0)	1.1	
		eS	02 15 25	R	0.2	4.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	MN	eP	04 16 47.5	Z	0.6	1.0 (0)		
26	04 17 16.7		42.1 N 21.5 E SOUTHERN YUGOSLAVIA H =033 KM MAG 5.40- CGS					
26	DH	eP	04 28 10.3	Z	1.5	11.6 (1)	67.0	5.79
		ePP	04 30 44	Z	1.5	58.2 (0)		
26	BL	eP	04 28 50.0	Z	0.7	19.1 (0)	74.0	5.17
		eP	04 28 50	LZ	14	16.2 (1)		
		eS	04 38 15	LR	15	17.5 (2)		
		eLQ	04 45 50	LR	25	50.4 (1)		
		eLR	04 50 05	LR	40	99.9 (9)		
26	LV	eP	04 29 46.8	Z	0.7	20.6 (0)	84.0	5.37
26	DR	eP	04 30 06.8	Z	1.2	21.3 (0)	88.0	5.25
		eP	04 30 12	LZ	17	12.7 (1)		
		ePP	04 33 33	Z	1.8	36.0 (0)		
		eS	04 40 48	LR	16	76.7 (1)		
		eSS	04 46 48	LR	24	78.9 (1)		
		eLQ	04 53 40	LR	24	10.3 (2)		
		eLR	04 57 38	LR	30	37.2 (2)		
26	WI	eP	04 30 11.3	Z	0.9	20.5 (0)	89.0	5.32
		e	04 32 34	Z	0.9	5.3 (0)		
		eL	05 01 10	LZ	35	99.9 (9)		
26	LC	eP	04 30 23.2	Z	1.4	20.8 (0)	92.0	5.27
		eP	04 30 25	LZ	16	15.9 (1)		
		ePP	04 34 11	Z	1.4	11.9 (0)		
		eS	04 41 00	LT	21	31.5 (1)		
		ePS	04 42 30	LT	24	88.1 (1)		
		eSS	04 47 22	LR	23	92.4 (1)		
		eLQ	04 49 10	LT	28	55.0 (1)		
		eLR	05 02 55	LZ	36	99.9 (9)		
26	MN	eP	04 30 24.0	Z	1.3	23.9 (0)	92.0	5.36
		e	04 33 25	Z	1.0	3.3 (0)		
		ePPP	04 35 59	Z	2.0	31.0 (0)		
		eS	04 41 37	LR	30	69.5 (1)		
		ePS	04 42 43	LT	23	78.1 (1)		
		e	04 48 40	LT	36	19.9 (2)		
		e	04 51 45	LT	29	17.3 (2)		
		eSKKS	04 54 45	LR	28	15.4 (2)		
		eLQ	04 57 25	LR	42	56.2 (2)		
		eLR	05 04 05	LZ	32	99.9 (9)		
26	MV	eP	04 30 25.5	Z	1.6	22.4 (0)	92.0	5.24
		eP	04 30 30	LZ	15	13.8 (1)		
		eS	04 41 02	LT	22	25.7 (1)		
		ePS	04 42 35	LT	24	89.9 (1)		
		e	04 49 00	LT	30	12.6 (2)		
		eSSS	04 51 15	LT	27	10.0 (2)		
		eLQ	04 55 10	LT	22	55.8 (1)		
		eLR	05 01 30	LZ	28	20.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	CP	eP	04 30 43.4	Z	1.3	27.6 (0)	96.0	5.62
		e	04 34 19	Z	1.2	4.4 (0)		
		eS	04 42 12	LT	22	52.9 (1)		
		eSP	04 43 35	LZ	25	88.4 (1)		
		e	04 56 28	LZ	25	99.5 (1)		
		eLQ	05 00 10	LT	47	59.5 (2)		
		eLR	05 05 00	LT	28	52.1 (2)		
		eL	05 10 05	LR	23	62.6 (2)		
		eL	05 10 05	LT	19	84.3 (2)		
		eL	05 10 05	LZ	25	18.8 (2)		
							AVG.	5.38
26	04 53 13.8		42.1 N 21.6 E SOUTHERN YUGOSLAVIA H =033 KM MAG 4.20- CGS					
26	CP	eP	05 18 30.4	Z	0.2	1.3 (0)	3.2	
		eS	05 19 15	T	0.2	8.4 (0)		
26	05 26 45.1		15.0 S 167.3 E NEW HEBRIDES ISLANDS H =124 KM MAG 4.60- CGS					
26	CP	eP	05 39 17.9	Z	0.7	2.1 (0)	87.0	4.23
26	MN	eP	05 39 18.8	Z	1.8	15.7 (0)	88.0	4.69
		epP	05 39 48	Z	1.3	6.3 (0)		
							AVG.	4.46
26	07 33 42.2		33.5 N 117.8 W COAST ORANGE CTY., CALIF. H =014 KM MAG 4.60- CGS					
26	MN	eP	07 35 00.0	Z	0.2	0.3 (0)	4.9	3.39
		e	07 35 03	Z	0.4	5.7 (0)		
		eL	07 36 11	R	0.7	7.8 (0)		
26	CP	eP	07 34 17.7	Z	0.4	12.8 (0)		
26	MN	eP	08 06 20.0	Z	0.2	3.1 (0)	1.3	
		eS	08 06 36	R	0.2	3.3 (0)		
26	MN	eP	08 30 20.0	Z	0.2	4.7 (0)	1.7	
26	MV	eP	08 30 33.2	Z	0.2	4.6 (0)	1.7	
26	MN	eS	08 30 37	R	0.2	8.7 (0)	1.7	
26	MV	eS	08 30 56	R	0.2	11.1 (0)	1.7	
26	08 38 51.*		18.7 N 107.1 W COAST OF JALISCO, MEXICO H =033 KM MAG 3.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	MN	eP	08 43 36.5	Z	1.4	3.9 (0)	22.0	3.61
26	09 26 46.4		39.6 N 15.2 E MEDITERRANEAN SEA H =337 KM MAG 4.20- CGS					
26	MN	eP	10 05 43.5	Z	0.3	2.3 (0)		
26	WI	eP	10 06 24.6	Z	0.4	1.2 (0)	4.8	
26	MN	eL	10 07 18	R	0.3	3.1 (0)		
26	WI	eS	10 07 20	R	0.8	6.1 (0)	4.8	
26	MN	eP	10 21 10.0	Z	0.5	0.9 (0)		
26	MV	eP	11 29 57.0	Z	0.2	2.3 (0)	2.3	
26	MN	eP	11 30 10.0	Z	0.2	1.9 (0)	3.3	
26	MV	eS	11 30 31	R	0.3	4.7 (0)	2.3	
26	MN	eS	11 30 51	R	0.2	8.3 (0)	3.3	
26	13 40 29.5		28.5 N 112.0 W GULF OF CALIFORNIA H =033 KM MAG 4.00- CGS					
26	CP	eP	13 41 51.9	Z	0.7	1.4 (0)	5.6	3.57
		e	13 42 17	Z	0.8	8.5 (0)		
		eL	13 43 15	LT	12	28.4 (2)		
		e	13 43 30	T	1.0	38.1 (0)		
26	LC	eP	13 41 59.2	Z	0.6	1.0 (0)	6.0	3.64
		eL	13 43 16	LT	999.9	99.9 (9)		
		eL	13 43 21	Z	0.8	22.1 (0)		
		eL	13 43 45	R	0.5	18.3 (0)		
26	DR	eP	13 42 51.7	Z	0.6	1.5 (0)	10.0	4.49
		eLQ	13 45 32	LR	11	71.8 (2)		
		eLQ	13 45 35	R	0.6	4.2 (0)		
		eLR	13 46 05	LZ	18	49.4 (1)		
26	MN	eP	13 43 05.5	Z	1.0	2.4 (0)	11.0	4.39
		eL	13 45 50	LT	18	67.2 (1)		
		e	13 46 45	Z	1.5	12.1 (0)		
26	WI	eP	13 43 55.4	Z	1.0	4.6 (0)	14.0	4.06
		eL	13 48 52	LZ	15	51.5 (1)		
26	MV	eL	13 47 37	LZ	20	55.3 (1)	13.0	
26	BL	eL	13 57 25	LZ	14	16.2 (1)	27.0	
							AVG.	4.03
26	DH	eP	15 05 42.8	Z	0.2	33.0 (0)	1.9	
		eS	15 06 09	R	0.2	13.4 (1)		
26	MN	eP	15 58 59.6	Z	0.6	1.3 (0)		
26	BL	eP	16 01 28.0	Z	0.2	18.3 (0)	0.2	
		eS	16 01 34	R	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	LC	eP	17 16 47.2	Z	0.2	6.5 (0)	3.1	
		e	17 16 53	Z	0.3	8.0 (0)		
		eS	17 17 25	T	0.3	12.0 (0)		
26	DR	eP	17 17 31.2	Z	0.5	1.9 (0)	4.7	
		eS	17 18 27	R	0.7	5.0 (0)		
26	CP	eP	17 56 14.9	Z	0.2	7.5 (0)		
26	BL	eP	18 18 09.0	Z	0.2	18.3 (0)	0.1	
		eS	18 18 12	R	0.2	99.9 (9)		
		eP	18 40 36.5	Z	0.2	50.3 (0)		
		eS	18 40 40	R	0.2	99.9 (9)		
26	CP	eP	18 51 06.6	Z	0.5	1.0 (0)		

26 19 35 38.6 14.6 S 173.0 W SAMOA ISLANDS REGION
H =033 KM MAG 4.10- CGS

26 19 46 33.2 36.9 N 29.1 E DODECANESE ISLANDS
H =033 KM

26	WI	eP	19 57 23.0	Z	0.4	1.6 (0)	0.2	
		eS	19 57 28	R	0.3	3.8 (0)		
26	DR	eP	20 45 03.3	Z	0.3	2.2 (0)	0.7	
		eS	20 45 13	R	0.4	3.8 (0)		
26	BL	eP	21 06 49.5	Z	0.5	3.6 (0)	0.6	
		eS	21 06 58	R	0.3	48.7 (0)		
26	MN	eP	22 04 52.7	Z	0.8	4.4 (0)		
26	WI	eP	22 05 02.1	Z	0.6	3.4 (0)		
26	DR	eP	22 05 05.3	Z	0.5	1.4 (0)	2.1	
		eS	22 05 32	R	0.2	2.9 (0)		
26	MV	eP	22 46 12.2	Z	0.2	3.1 (0)	1.2	
		eS	22 46 28	T	0.2	7.8 (0)		
26	DR	eP	22 47 37.1	Z	0.5	1.4 (0)	0.7	
		eS	22 47 48	R	0.4	3.8 (0)		

26 23 18 04.* 23.4 S 72.3 W OFF COAST OF NORTH CHILE
H =033 KM MAG 4.30- CGS

26 23 48 26.5 09.7 S 78.5 W NEAR COAST OF PERU
H =062 KM MAG 4.90- CGS

26	BL	eP	23 56 55.5	Z	1.0	19.2 (0)	47.0	4.99

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	LC	eP	23 57 15.8	Z	1.2	26.9 (0)	50.0	5.05
		e	23 57 32	Z	0.8	13.3 (0)		
26	DH	eP	23 57 20.6	Z	0.5	29.8 (0)	52.0	5.53
26	DR	eP	23 58 00.0	Z	1.0	3.7 (0)	55.0	4.37
26	CP	eP	23 58 04.9	Z	1.0	5.7 (0)	56.0	4.55
26	MN	eP	23 58 33.5	Z	1.0	8.2 (0)	60.0	4.78
		epP	23 58 49	Z	1.0	21.5 (0)		
		ePCP	23 59 05	Z	1.3	39.8 (0)		
26	WI	eP	23 58 43.7	Z	1.0	6.9 (0)	62.0	4.71
26	MV	eP	23 59 00.0	Z	1.1	8.0 (0)	63.0	4.64
26	WI	e	23 59 00	Z	1.1	40.1 (0)	62.0	
							AVG.	4.83
27	MN	e	00 06 35	LT	20	37.6 (1)		
27	MN	e	00 09 45	LZ	23	29.8 (1)		
27	MN	eL	00 13 20	LZ	35	64.1 (1)		
27	MV	eP	00 27 53.5	Z	1.3	9.1 (0)		
27	MN	eP	00 27 57.0	Z	1.2	2.5 (0)		
27	BR	eP	00 47 38.2	Z	0.3	4.3 (0)	0.9	
		eS	00 47 49	R	0.3	19.3 (0)		
27	BL	eP	03 30 11.0	Z	0.3	14.4 (0)	0.1	
		eS	03 30 14	R	0.5	99.9 (9)		

27 05 58 23.4 43.5 N 8.4 E LIGURIAN SEA
H =033 KM MAG 5.10- CGS

27	DH	eP	06 08 17.5	Z	0.7	4.9 (0)	58.0	4.64
27	LC	eP	06 10 52.2	Z	0.9	7.7 (0)	84.0	4.83
27	MN	eP	06 10 57.9	Z	0.9	3.8 (0)	85.0	4.52
27	MV	eP	06 11 01.0	Z	1.0	6.3 (0)	86.0	4.63
27	CP	eP	06 11 13.0	Z	1.0	4.2 (0)	89.0	4.59
		eLR	06 34 10	LZ	25	64.7 (1)		
27	BL	eL	06 29 40	LZ	40	40.5 (1)	65.0	
							AVG.	4.64
27	BR	eP	06 08 43.2	Z	1.0	10.2 (0)		
27	BL	eP	06 09 01.5	Z	0.9	7.7 (0)		
27	CP	eP	06 09 04.5	Z	0.2	36.7 (0)	1.2	
		eS	06 09 19	R	0.2	44.7 (0)		
27	DR	eP	06 10 36.0	Z	1.0	11.1 (0)		

27 06 27 03.0 43.9 N 128.3 W OFF COAST OF OREGON
H =033 KM MAG 4.50- CGS

27	MV	eP	06 28 45.2	Z	1.4	41.5 (0)	7.0	5.10

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	MV	eP	06 28 47	LZ	15	32.2 (1)	7.0	
27	MN	eP	06 29 19.0	Z	0.9	3.8 (0)	9.0	4.63
		eP	06 29 20	LZ	13	28.8 (1)		
27	CP	eP	06 30 28.1	Z	1.5	33.6 (0)	15.0	4.55
27	DR	eP	06 30 58.5	Z	1.0	2.4 (0)	17.0	3.32
		e	06 31 05	LZ	15	27.9 (1)		
		eL	06 33 50	LZ	20	10.2 (1)		
27	LC	eP	06 31 41.4	Z	1.0	3.7 (0)	21.0	3.67
		eP	06 31 42	LZ	17	21.3 (1)		
27	DH	eL	06 46 40	LT	23	47.4 (1)	38.0	
27	BR	eL	06 50 00	LZ	14	97.4 (1)	37.0	
							AVG.	4.25
27	MN	eP	06 27 07.0	Z	1.0	2.4 (0)		
27	MN	e	06 29 26	Z	1.0	9.1 (0)		
27	MN	e	06 29 38	R	1.7	39.9 (0)		
27	MN	e	06 30 07	Z	1.2	6.3 (0)		
27	CP	e	06 30 34	Z	1.3	54.9 (0)		
27	MV	eL	06 30 48	LZ	22	23.8 (2)		
27	MN	e	06 31 02	LZ	20	30.0 (1)		
27	LC	e	06 31 47	Z	1.4	38.7 (0)		
27	LC	e	06 31 52	Z	1.3	36.1 (0)		
27	MN	e	06 32 02	LR	20	16.9 (2)		
27	LC	e	06 35 50	LR	17	38.9 (1)		
27	LC	eLR	06 37 51	LZ	28	10.3 (2)		
27	LC	eL	06 39 35	LR	19	16.6 (2)		
27	LC	eL	06 39 35	LT	20	33.5 (1)		
27	LC	eL	06 39 35	LZ	20	99.9 (9)		
27	MN	eLR	06 41 15	LZ	26	10.2 (1)		
27	DH	eL	06 49 52	LZ	18			
27	MV	eP	07 50 32.2	Z	0.2	13.6 (0)	1.3	
27	MN	eP	07 50 33.5	Z	0.2	4.7 (0)	1.2	
27	MV	eS	07 50 49	T	0.2	10.1 (0)	1.3	
27	MN	eS	07 50 52	T	0.2	14.0 (0)	1.2	
27	08 00 45.3		19.7 S 178.5 W FIJI ISLANDS REGION H =523 KM MAG 4.10- CGS					
27	MV	eP	08 11 58.0	Z	0.7	2.3 (0)	79.0	3.72
27	MN	eP	08 12 05.8	Z	0.8	2.4 (0)	81.0	3.76
27	LC	eP	08 12 32.1	Z	1.0	2.5 (0)	86.0	3.82
27	BL	eL	09 41 00	LZ	15	30.0 (1)	107.0	
							AVG.	3.77
27	MV	eP	08 43 45.0	Z	0.8	1.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	09 21 57.*		18.4 N 105.7 W COAST JALISCO, MEXICO H =033 KM MAG 3.80- CGS					
27	LC	eP	09 25 15.6	Z	0.9	1.9 (0)	14.0	3.73
		eLQ	09 28 51	LR	20	76.3 (1)		
		eL	09 29 11	LR	20	76.3 (1)		
		eL	09 29 11	LT	18	31.3 (1)		
		eL	09 29 11	LZ	11	15.7 (1)		
		eLR	09 30 00	LZ	16	29.8 (1)		
27	CP	eP	09 25 57.0	Z	1.2	6.5 (0)	17.0	3.67
		eLR	09 30 42	LZ	18	44.6 (1)		
27	MN	eP	09 26 57.6	Z	1.0	1.6 (0)	23.0	3.45
		eLR	09 32 41	LZ	23	13.2 (1)		
27	DR	eL	09 33 08	LZ	12	47.7 (1)	19.0	
27	MV	eL	09 34 28	LZ	20	18.5 (1)	25.0	
27	BR	eL	09 42 27	LZ	15	54.6 (1)	32.0	
27	DH	eL	09 43 30	LZ	21		35.0	
							AVG.	3.61
27	MV	eP	09 25 10.5	Z	1.5	9.3 (0)		
27	MN	eP	10 18 48.0	Z	0.8	0.9 (0)		
27	MN	eP	10 41 17.7	Z	0.9	1.2 (0)		
27	MV	eP	10 41 47.3	Z	0.8	1.8 (0)		
27	MN	eP	13 16 57.4	Z	0.2	1.9 (0)	0.1	
		eS	13 17 04	T	0.2	12.1 (0)		
27	DH	eP	13 32 45.8	Z	0.5	11.2 (0)		
27	13 44 32.9		34.3 N 23.1 E CRETE H =033 KM MAG 4.30- CGS					
27	BR	eP	16 07 30.5	Z	0.3	3.6 (0)	1.0	
		eS	16 07 47	T	0.5	6.7 (0)		
27	16 47 03.7		35.9 S 102.7 W EASTER ISLAND H =033 KM MAG 4.60- CGS					
27	LC	eP	16 58 01.5	Z	1.0	2.5 (0)	68.0	4.26
		eLQ	17 15 07	LT	30	20.3 (1)		
		eLR	17 20 20	LZ	17	98.4 (0)		
27	CP	eP	16 58 13.5	Z	0.9	2.1 (0)	69.0	4.25
27	MN	eP	16 58 46.3	Z	1.0	7.4 (0)	75.0	4.60
		eL	17 23 34	LZ	25	24.7 (1)		
27	MV	eP	16 58 54.0	Z	1.0	3.1 (0)	77.0	4.30

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	17 23 02	LZ	22	20.5 (1)		
27	BR	eL	17 29 12	LZ	20	18.8 (1)	78.0	
							AVG.	4.35
27	DR	eP	16 52 19.5	Z	1.0	2.4 (0)		
27	DH	eP	17 57 33.0	Z	0.3	7.1 (0)		
27	DH	e	17 57 55	T	0.3	17.6 (0)		
27	BL	eP	18 57 08.5	Z	0.2	24.0 (0)	0.1	
		eS	18 57 12	R	0.2	99.9 (9)		
27	BL	eP	19 01 46.4	Z	0.3	46.8 (0)	0.1	
		eS	19 01 51	T	999.9	99.9 (9)		
27	BR	eP	19 32 57.3	Z	0.5	18.5 (0)	0.4	
		eS	19 33 03	R	0.5	99.9 (9)		
27	BL	eP	20 00 09.2	Z	0.4	10.4 (0)	1.2	
		eS	20 00 25	T	0.3	57.8 (0)		
27	BR	eP	20 00 37.5	Z	0.5	6.1 (0)	5.4	
		eS	20 01 45	R	0.5	5.8 (0)		
27	BL	eS	20 29 51	R	0.4	46.2 (0)	0.8	
27	21 26 44.8		31.0 N 140.3 E SOUTH OF HONSHU, JAPAN H =100 KM MAG 4.20- CGS					
27	MN	eP	21 38 41.7	Z	0.7	1.6 (0)	80.0	3.97
27	MV	eL	21 27 45	LR	25	23.4 (1)		
27	BL	eP	21 29 40.0	Z	0.4	6.9 (0)	0.8	
27	CP	eP	21 39 04.4	Z	0.7	2.1 (0)		
27	BL	eP	21 47 17.0	Z	0.3	99.9 (9)	0.1	
		eS	21 47 20	R	0.3	99.9 (9)		
27	MN	eP	21 55 53.6	Z	1.0	1.6 (0)		
27	BR	eP	22 12 08.5	Z	0.4	2.1 (0)	2.4	
		eS	22 12 39	R	0.4	8.6 (0)		
27	22 19 52.0		13.2 N 144.5 E MARIANA ISLANDS H =087 KM MAG 4.30- CGS					
27	MN	eP	22 32 32.3	Z	1.0	2.4 (0)	88.0	4.23
		e	22 33 47	Z	0.7	0.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	22 21 16.*		23.7 S 179.6 W FIJI ISLANDS H =033 KM MAG 4.50- CGS					
27	CP	eP	22 33 38.1	Z	0.8	2.5 (0)	82.0	4.30
27	CP	eP	22 37 05.0	Z	0.2	6.1 (0)	1.5	
		eS	22 37 25	T	0.2	10.8 (0)		
27	MN	eP	23 47 18.1	Z	0.2	0.7 (0)	3.0	
		e	23 47 22	Z	0.3	2.6 (0)		
		eS	23 47 55	R	0.3	5.2 (0)		
28	04 17 50.7		51.7 N 174.5 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 3.80- CGS					
28	07 12 17.1		29.8 S 177.6 W KERMADEC ISLANDS H =033 KM MAG 5.10- CGS					
28	07 55 21.9		11.3 S 112.1 E OFF COAST OF JAVA H =021 KM MAG 5.10- CGS					
28	09 37 18.*		19.2 S 71.9 W OFF COAST OF NORTH CHILE H =110 KM MAG 4.30- CGS					
28	10 05 28.*		01.5 N 127.1 E MOLUCCA PASSAGE H =033 KM					
28	11 43 16.4		06.7 N 82.5 W SOUTH OF PANAMA H =047 KM MAG 4.10- CGS					
28	12 11 27.9		52.6 N 158.9 E KAMCHATKA H =033 KM MAG 4.80- CGS					
28	13 25 18.1		72.0 N 000.0 JAN MAYEN ISLAND REGION H =033 KM MAG 4.50- CGS					
28	14 42 42.7		51.9 N 174.3 W ANDREANOF ISLANDS H =033 KM MAG 4.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	14 48 07.3		51.9 N 174.2 W ANDREANOF ALEUTIAN ISLANDS					
			H =033 KM MAG 4.00- CGS					
28	15 16 29.*		14.2 N 99.0 W GUERRERO, MEXICO					
			H =033 KM MAG 3.70- CGS					
28	16 22 44.7		51.8 N 174.4 W ANDREANOF ALEUTIAN ISLANDS					
			H =033 KM MAG 4.00- CGS					
28	16 32 25.0		04.9 S 152.7 E NEW IRELAND REGION					
			H =069 KM MAG 4.90- CGS					
28	18 51 36.7		46.6 N 153.1 E KURILE ISLANDS REGION					
			H =033 KM MAG 5.00- CGS					
29	01 09 26.*		01.2 N 126.0 E MOLUCCA SEA					
			H =085 KM MAG 4.80- CGS					
29	BL	eP	03 06 54.5	Z	0.2	9.3 (0)	0.6	
		eS	03 07 03	R	0.2	77.1 (0)		
29	LC	eP	04 28 05.0	Z	0.5	0.4 (0)		
29	04 48 49.8		30.4 S 177.7 W KERMADEC ISLANDS					
			H =033 KM MAG 4.50- CGS					
29	MN	eP	05 01 38.3	Z	1.0	3.4 (0)	88.0	4.53
29	05 31 26.1		06.7 S 107.1 E JAVA					
			H =085 KM MAG 4.60- CGS					
29	DH	eP'	05 50 53.7	Z	1.0	10.0 (0)	145.0	
29	DR	e	05 54 01	Z	1.0	5.0 (0)	136.0	
29	LC	ePP	05 54 11	Z	0.8	2.2 (0)	140.0	
29	06 10 22.6		27.8 N 55.6 E SOUTHERN IRAN					
			H =037 KM MAG 5.20- CGS					
29	DH	eP	06 23 52.1	Z	1.4	47.6 (0)	97.0	5.89

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	DR	eP'	06 29 01.2	Z	1.4	5.9 (0)	113.0	
		e	06 29 42	Z	1.3	4.8 (0)		
		ePKKP	06 39 55	Z	1.2	5.7 (0)		
		eLR	07 10 05	LZ	25	14.4 (1)		
29	MN	ePP	06 29 02	Z	1.2	3.9 (0)	114.0	
		e	06 29 48	Z	1.0	3.4 (0)		
		eL	07 14 00	LZ	24	15.6 (1)		
29	LC	eP'	06 29 09.0	Z	1.5	7.3 (0)	118.0	
		ePP	06 30 20	Z	1.6	12.9 (0)		
		e	07 08 08	LR	20	10.4 (1)		
		eL	07 12 57	LR	17	16.0 (1)		
		eLR	07 16 10	LZ	25	14.5 (1)		
		eL	07 19 55	LT	25	30.3 (1)		
		eL	07 19 55	LR	23	10.3 (1)		
		eL	07 19 55	LZ	25	20.5 (1)		
29	BL	eL	07 07 20	LZ	28	33.4 (1)	103.0	
29	MV	eL	07 07 40	LZ	35	61.3 (1)	113.0	
29	LC	e	08 16 50	LR	20	83.5 (0)		
29	BL	eL	08 21 45	LZ	27	45.2 (1)		
29	LC	eL	08 22 40	LR	26	12.8 (1)		
29	LC	eLR	08 25 10	LZ	32	22.5 (1)		
29	DR	eL	08 29 50	LZ	24	12.1 (1)		
29	LC	eL	08 30 25	LT	21	25.8 (1)		
29	LC	eL	08 30 25	LR	21	23.6 (1)		
29	LC	eL	08 30 25	LZ	22	27.3 (1)		
29	MN	eP	09 20 57.0	Z	0.2	1.6 (0)	1.9	
		eS	09 21 22	R	0.2	3.7 (0)		
29	10 36 26.*		34.1 S 70.4 W CENTRAL CHILE					
			H =033 KM MAG 4.80- CGS					
29	LC	eP	10 48 03.2	Z	0.7	5.5 (0)	74.0	4.63
		ePCP	10 48 39	Z	1.0	3.7 (0)		
29	DR	eP	10 48 28.2	Z	0.7	2.4 (0)	79.0	4.28
29	MN	eP	10 48 57.6	Z	1.0	5.1 (0)	85.0	4.61
							AVG.	4.51
29	11 22 53.9		51.7 N 173.5 E ALEUTIAN NEAR ISLANDS					
			H =033 KM MAG 4.10- CGS					
29	12 43 12.6		79.3 N .6 W SVALBARD REGION					
			H =033 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC	eP	12 53 27.2	Z	1.0	1.2 (0)	61.0	3.96
		eL	13 13 05	LR	30	81.4 (0)		
		eL	13 16 07	LR	19	36.0 (1)		
		eL	13 16 07	LT	33	11.5 (1)		
		eL	13 16 07	LZ	25	11.2 (1)		
29	MV	eL	13 14 20	LZ	28	96.6 (0)	57.0	
29	DR	eL	13 17 25	LZ	27	15.4 (1)	57.0	
29	CP	eP	14 50 23.0	Z	0.4	11.0 (0)	0.7	
		eS	14 50 33	R	999.9	99.9 (9)		
29	BR	eP	15 10 14.5	Z	0.3	4.3 (0)	0.4	
		eS	15 10 20	T	0.3	13.9 (0)		
29	BR	eP	16 14 38.3	Z	0.3	17.4 (0)	0.2	
		eS	16 14 43	R	0.3	23.7 (0)		
29	16 48 42.6		05.7 S 110.2 E JAVA SEA H =530 KM					
29	DH	eP	17 07 15.0	Z	1.0	50.0 (0)	143.0	
29	BR	eP	17 07 21.4	Z	0.6	7.6 (0)	145.0	
29	BL	eP	17 07 24.1	Z	0.7	14.6 (0)	146.0	
29	BR	eP	18 09 56.7	Z	0.2	9.7 (0)	0.1	
		eS	18 09 59	T	0.2	21.0 (0)		
29	BL	eP	18 28 39.1	Z	0.2	23.3 (0)	0.1	
		eS	18 28 42	R	0.2	16.3 (1)		
29	BR	eP	19 26 14.0	Z	0.4	1.4 (0)	0.6	
		eS	19 26 25	R	0.4	5.3 (0)		
29	BL	eL	19 32 20	LR	29	19.1 (2)		
29	BL	eP	19 55 41.2	Z	0.2	9.3 (0)	0.6	
		eS	19 55 49	R	0.2	53.0 (0)		
29	DH	eP	20 07 18.6	Z	1.4	47.6 (0)		
29	20 14 07.3		30.2 S 177.3 W KERMADEC ISLANDS H =039 KM MAG 5.70- CGS					
29	CP	eP	20 26 40.0	Z	1.5	85.4 (0)	85.0	5.63
		eP	20 26 45	LZ	14	49.3 (1)		
		eS	20 37 11	LR	16	61.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	20 48 08	LR	23	22.3 (2)		
		eLR	20 55 00	LZ	21	94.6 (2)		
29	MN	eP	20 26 51.9	Z	1.2	49.8 (0)	88.0	5.60
29	MV	eP	20 26 55.8	Z	1.0	25.5 (0)	87.0	5.32
		eP	20 26 56	LZ	10	79.1 (1)		
		ePP	20 30 55	Z	3.0	16.6 (1)		
		eS	20 37 15	LT	21	36.4 (2)		
		eLQ	20 42 40	LT	16	17.9 (2)		
		eLR	20 54 35	LZ	22	51.6 (2)		
29	LC	eP	20 27 10.0	Z	1.4	29.7 (0)	91.0	5.38
		eP	20 27 10	LZ	15	40.8 (1)		
29	DR	eP	20 27 20.6	Z	1.0	6.2 (0)	94.0	4.93
							AVG.	5.37
29	DH	eLR	20 14 30	LZ	23			
29	20 16 36.9		29.7 S 177.0 W KERMADEC ISLANDS H =033 KM MAG 5.50- CGS					
29	CP	eP	20 29 09.0	Z	1.1	25.1 (0)	85.0	5.25
		eP	20 29 15	LZ	14	21.7 (2)		
		eS	20 39 32	LR	21	99.9 (9)		
29	MV	eP	20 29 16.0	Z	1.0	30.3 (0)	86.0	5.31
		eP	20 29 20	LZ	16	14.3 (2)		
		eS	20 40 05	LT	23	56.5 (2)		
29	MN	eP	20 29 23.0	Z	0.9	23.6 (0)	87.0	5.35
29	LC	eP	20 29 39.0	Z	1.2	19.2 (0)	91.0	5.27
29	BR	eP	20 35 14.7	Z	1.1	10.0 (0)	117.0	
							AVG.	5.30
29	MN	e	20 27 00	LZ	13	41.5 (1)		
29	DR	e	20 27 39	Z	1.5	18.4 (0)		
29	DR	e	20 29 49	Z	1.0	6.2 (0)		
29	MN	e	20 30 00	LZ	18	10.4 (2)		
29	LC	e	20 30 22	LZ	16	14.4 (2)		
29	MN	e	20 30 51	Z	2.0	69.3 (0)		
29	BR	e	20 31 07	LZ	24	32.9 (1)		
29	BL	e	20 31 20	LZ	10	62.5 (1)		
29	BL	e	20 33 27	LZ	18	43.0 (1)		
29	BR	eP	20 33 37.5	Z	0.3	8.7 (0)	0.2	
		eS	20 33 43	T	0.4	19.3 (0)		
29	MN	e	20 34 55	Z	1.2	3.9 (0)		
29	MV	e	20 36 57	Z	1.0	4.7 (0)		
29	MN	e	20 37 04	Z	1.0	2.5 (0)		
29	LC	e	20 37 25	LT	999.9	99.9 (9)		
29	MN	e	20 37 35	LR	17	37.1 (2)		
29	DR	e	20 37 55	LR	16	12.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	DR	e	20 38 40	LT	22	33.8 (2)		
29	MN	e	20 38 58	LR	20	11.6 (2)		
29	BL	e	20 39 20	LR	15	16.5 (2)		
29	MN	e	20 39 56	T	4.5	44.6 (1)		
29	MN	e	20 40 05	LR	22	30.2 (2)		
29	MN	e	20 40 13	T	5.0	69.5 (1)		
29	BL	e	20 40 30	LT	15	72.7 (1)		
29	DR	e	20 41 05	LR	25	23.1 (2)		
29	MN	e	20 41 22	LZ	20	23.4 (2)		
29	MN	e	20 42 28	Z	1.0	1.7 (0)		
29	BR	e	20 43 25	LZ	17	46.6 (2)		
29	BR	e	20 45 30	LZ	19	40.1 (2)		
29	DR	e	20 47 00	LR	21	20.0 (2)		
29	LC	e	20 47 44	Z	1.0	2.5 (0)		
29	MN	e	20 47 55	Z	1.2	5.2 (0)		
29	BR	e	20 49 35	LZ	13	48.8 (2)		
29	BL	eP	20 50 25.7	Z	0.2	37.3 (0)	0.1	
		eS	20 50 29	R	0.2	72.2 (0)		
29	DR	e	20 54 00	LR	20	24.7 (2)		
29	MN	e	20 54 14	Z	1.0	2.5 (0)		
29	BR	eP	20 54 21.0	Z	0.3	2.9 (0)	0.1	
		eS	20 54 23	T	0.3	14.5 (0)		
29	MN	e	20 55 18	Z	1.9	14.2 (0)		
29	MN	eLR	20 56 30	LZ	999.9	99.9 (9)		
29	DR	eLR	20 57 30	LZ	24	40.6 (2)		
29	LC	eLR	20 59 00	LZ	999.9	99.9 (9)		
29	BL	eL	21 05 15	LR	24	21.0 (2)		
29	BL	eLR	21 09 22	LZ	26	28.8 (2)		
29	BR	eLR	21 09 40	LZ	12	62.2 (2)		
29	BL	eL	21 15 33	LT	18	77.4 (2)		
29	BL	eL	21 15 33	LR	18	26.0 (2)		
29	BL	eL	21 15 33	LZ	17	31.3 (2)		
29	CP	eP	21 22 50.0	Z	0.3	6.2 (0)	1.4	
		eS	21 23 08	T	0.3	14.5 (0)		
29	22 55 14.1		10.3 N 62.6 W NEAR COAST OF VENEZUELA H =039 KM MAG 4.40- CGS					
29	LC	eP	23 03 37.0	Z	1.0	7.5 (0)	46.0	4.59
29	23 18 43.0		30.1 S 177.1 W KERMADEC ISLANDS H =048 KM MAG 4.50- CGS					
29	MN	eP	23 31 27.1	Z	1.0	4.2 (0)	88.0	4.58
29	LC	eP	23 31 44.0	Z	1.0	1.2 (0)	91.0	4.14
							AVG.	4.36

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	23 40 03.4		05.4 S 131.6 E BANDA SEA H =033 KM MAG 4.80- CGS					
30	MV	eP	00 52 49.3	Z	0.2	20.1 (0)	0.7	
		eS	00 52 59	R	0.2	32.1 (0)		
30	MN	eP	01 05 14.9	Z	1.0	1.6 (0)		
30	MN	e	01 08 27	Z	1.0	1.6 (0)		
30	02 18 42.1		30.0 S 177.0 W KERMADEC ISLANDS H =041 KM MAG 4.10- CGS					
30	MN	eP	02 31 27.8	Z	1.0	3.3 (0)	87.0	4.44
30	02 57 31.6		30.0 S 177.2 W KERMADEC ISLANDS H =040 KM MAG 4.90- CGS					
30	CP	eP	03 10 03.1	Z	1.2	4.4 (0)	85.0	4.44
30	MV	eP	03 10 11.5	Z	1.2	10.0 (0)	86.0	4.74
		eLR	03 37 20	LZ	20	14.1 (1)		
30	MN	eP	03 10 17.5	Z	1.0	5.8 (0)	86.0	4.58
30	LC	eP	03 10 34.1	Z	1.0	2.5 (0)	91.0	4.45
		eLR	03 32 00	LZ	25	53.3 (0)		
30	DR	eL	03 41 05	LZ	25	97.0 (0)	93.0	
30	BR	eL	03 57 40	LZ	19	17.7 (1)	115.0	
							AVG.	4.55
30	MV	eP	03 13 58.5	Z	0.2	2.3 (0)	0.5	
		eS	03 14 06	R	0.2	9.6 (0)		
30	03 27 44.*		19.5 S 179.0 W FIJI ISLANDS H =575 KM MAG 4.10- CGS					
30	MV	eP	03 31 20.0	Z	1.0	3.2 (0)		
30	04 22 25.*		41.4 N 39.0 E EASTERN TURKEY H =033 KM					
30	04 27 25.0		30.2 S 177.3 W KERMADEC ISLANDS H =017 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	CP	eP	04 40 01.9	Z	1.0	4.2 (0)	85.0	4.58
		e	04 40 15	Z	1.3	27.5 (0)		
		e	04 41 15	Z	2.3	10.4 (1)		
		eL	05 06 50	LZ	20	27.6 (1)		
30	MV	eP	04 40 07.2	Z	1.0	4.8 (0)	87.0	4.65
		eLR	05 07 00	LZ	30	23.7 (1)		
		eL	05 12 15	LZ	19	67.8 (1)		
		eL	05 12 15	LR	19	81.3 (0)		
		eL	05 12 15	LT	20	50.0 (1)		
30	MN	eP	04 40 15.0	Z	1.0	3.3 (0)	88.0	4.57
		eS	04 51 06	LR	15	45.4 (1)		
		eLQ	05 03 27	LR	30	31.8 (1)		
		eLR	05 10 00	LZ	21	14.0 (1)		
30	LC	eP	04 40 32.1	Z	1.0	1.2 (0)	91.0	4.16
		eSKS	04 51 13	LT	25	17.2 (1)		
		eS	04 52 50	LT	18	20.4 (1)		
		eSS	04 57 42	LR	20	12.8 (1)		
		eLQ	05 05 00	LR	27	74.4 (0)		
		eLR	05 09 40	LZ	21	13.7 (1)		
30	BR	eL	05 23 50	LZ	20	21.9 (1)	115.0	
							AVG.	4.49
30	DR	eL	05 10 55	LZ	25	14.5 (1)		
30	DH	eLR	05 33 15	LZ	17			
30	MN	eP	05 54 21.0	Z	1.0	1.6 (0)		

30 05 45 53.3 29.6 S 177.3 W KERMADEC ISLANDS
H =033 KM MAG 5.30- CGS

30	CP	eP	05 58 25.9	Z	1.3	35.8 (0)	85.0	5.34
		e	05 58 31	Z	1.0	37.2 (0)		
		e	05 58 33	LZ	17	98.8 (0)		
		ePP	06 01 43	Z	1.7	23.8 (0)		
		ePS	06 09 03	LR	18	57.4 (1)		
		ePPS	06 10 35	LR	23	23.8 (1)		
		eSS	06 14 20	LR	23	24.9 (1)		
		e	06 21 25	LZ	20	17.7 (1)		
		eLR	06 23 50	LZ	23	60.5 (1)		
		eL	06 27 58	LZ	19	76.5 (1)		
		eL	06 27 58	LR	19	34.3 (1)		
		eL	06 27 58	LT	20	18.8 (1)		
30	MV	eP	05 58 30.7	Z	1.2	27.5 (0)	87.0	5.29
		eP	05 58 30	LZ	14	15.4 (2)		
		e	05 59 10	LZ	15	12.6 (2)		
		ePP	06 01 52	Z	1.8	23.2 (0)		
		eS	06 09 07	LR	20	32.0 (2)		
		eS	06 09 07	LT	22	99.9 (9)		
		eSS	06 14 05	LR	21	19.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	06 21 51	LR	24	42.9 (2)		
		eLR	06 25 15	LZ	29	41.6 (2)		
30	MN	eP	05 58 38.1	Z	1.0	18.3 (0)	87.0	5.19
		eP	05 58 39	LZ	18	90.2 (1)		
		eS	06 09 22	LR	25	99.9 (9)		
		eS	06 09 22	LT	999.9	99.9 (9)		
		eSS	06 15 25	LR	21	17.4 (2)		
		eSSS	06 18 40	LR	20	19.6 (2)		
		eLQ	06 21 50	LR	40	99.9 (9)		
		eLR	06 26 00	LZ	23	29.9 (2)		
30	LC	eP	05 58 56.0	Z	1.1	10.8 (0)	91.0	5.05
		eP	05 59 00	LZ	18	56.0 (1)		
		eSKS	06 09 25	LR	999.9	99.9 (9)		
		ePKKP	06 16 30	Z	0.6	0.5 (0)		
		eLR	06 27 50	LZ	999.9	99.9 (9)		
30	DR	eP	05 59 07.5	Z	1.0	1.2 (0)	111.0	
		eP	05 59 08	LZ	15	72.8 (1)		
		e	06 09 35	LT	20	41.0 (2)		
		eSKKS	06 16 07	LR	21	17.0 (2)		
		eLQ	06 22 20	LR	17	17.0 (2)		
		eLR	06 29 13	LZ	30	99.9 (9)		
30	BL	eSKS	06 11 11	LR	17	17.6 (2)	111.0	
		ePS	06 14 42	LR	20	18.7 (2)		
		eSS	06 21 00	LR	20	30.3 (2)		
		eSSS	06 24 45	LR	18	22.6 (2)		
30	DH	eSKS	06 11 38	LR	13	19.1 (2)	118.0	
		eSKKS	06 13 00	LR	15	57.7 (1)		
		e	06 13 52	LT	20	66.6 (1)		
		eSP	06 15 50	LZ	18			
		eSS	06 22 11	LT	22	15.0 (2)		
		eSSS	06 25 44	LT	24	10.2 (2)		
		e	06 29 52	LZ	20			
		eLQ	06 35 51	LT	42	42.9 (2)		
		eLR	06 43 13	LZ	29			
30	BR	eLR	06 41 55	LZ	25	38.5 (2)	114.0	
							AVG.	5.21

30 06 34 54.8 34.0 N 116.3 W SAN BERNARDINO, CALIFORNIA
H =014 KM MAG 4.70- CGS

30	CP	eP	06 35 22.0	Z	999.9	99.9 (9)	1.3	
30	MN	eP	06 36 07.0	Z	0.2	8.7 (0)	4.7	4.73
30	MV	eP	06 36 33.6	Z	0.2	3.8 (0)	6.6	4.80
		e	06 36 57	Z	0.5	14.1 (0)		
		eL	06 38 23	R	1.0	77.7 (0)		
30	DR	eP	06 36 50.7	Z	0.5	0.9 (0)	8.0	4.18
		e	06 37 17	Z	0.5	7.4 (0)		
		eL	06 38 52	R	0.5	21.0 (0)		
30	LC	eP	06 36 56.4	Z	0.2	2.9 (0)	8.0	5.08

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	06 39 17	R	0.5	14.4 (0)		
							AVG.	4.70
30	06 52 22.7		51.7 N 158.1 E KAMCHATKA					
			H =033 KM MAG 5.30- CGS					
30	MV	eP	07 01 53.4	Z	0.8	8.6 (0)	55.0	4.83
30	MN	eP	07 02 11.0	Z	1.0	14.9 (0)	57.0	4.97
30	CP	eP	07 02 44.5	Z	0.9	3.3 (0)	62.0	4.49
30	DR	eP	07 02 55.8	Z	0.7	9.8 (0)	64.0	5.04
30	LC	eP	07 03 23.0	Z	0.9	8.6 (0)	68.0	4.85
		e	07 03 36	Z	1.3	9.6 (0)		
30	DH	eP	07 04 06.0	Z	0.7	69.6 (0)	76.0	5.79
30	BR	eP	07 04 08.5	Z	0.7	18.8 (0)	76.0	5.23
30	BL	eP	07 04 12.7	Z	0.7	18.9 (0)	75.0	5.16
							AVG.	5.04
30	MN	eP	07 26 45.2	Z	1.0	2.4 (0)		
30	MN	e	07 27 35	Z	1.0	1.6 (0)		
30	CP	eP	07 44 08.4	Z	0.2	4.0 (0)	1.5	
		eS	07 44 28	R	0.2	20.6 (0)		
30	MN	eP	07 45 05.6	Z	0.7	0.4 (0)		
30	LC	eP	07 48 31.5	Z	0.9	0.9 (0)		
30	MN	e	07 53 06	Z	0.7	0.8 (0)		
30	07 55 42.3		29.8 S 176.9 W KERMADEC ISLANDS REGION					
			H =033 KM MAG 4.30- CGS					
30	MN	eP	08 08 26.5	Z	1.0	2.4 (0)	87.0	4.33
30	LC	eP	08 08 44.5	Z	0.9	0.9 (0)	91.0	4.09
							AVG.	4.21
30	MV	eLR	08 13 35	LZ	22	70.7 (1)		
30	CP	eP	08 17 36.3	Z	0.2	5.4 (0)	1.5	
		eS	08 17 56	T	0.2	31.7 (0)		
30	MN	eP	08 18 31.5	Z	0.6	0.3 (0)	5.5	
		eS	08 19 37	R	0.8	1.0 (0)		
30	08 28 07.1		33.9 N 135.1 E NEAR COAST HONSHU, JAPAN					
			H =149 KM MAG 4.30- CGS					
30	LC	eP	08 32 23.5	Z	1.0	2.5 (0)		
30	MN	eP	08 33 02.0	Z	1.0	4.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	MN	e	08 33 06	Z	1.0	10.8 (0)		
30	MN	eP	09 25 57.7	Z	1.0	1.6 (0)		
30	CP	eP	09 31 34.5	Z	0.3	0.5 (0)		
30	CP	e	09 31 40	Z	0.3	18.4 (0)		
30	CP	eS	09 31 59	R	0.3	44.3 (0)		
30	MN	eP	09 32 37.0	Z	0.5	0.3 (0)	5.0	
		eS	09 33 37	R	0.8	2.0 (0)		
30	BL	eP	09 53 47.2	Z	0.3	13.5 (0)		
30	CP	eP	10 24 06.3	Z	0.2	1.3 (0)	1.4	
		eS	10 24 24	R	0.2	13.0 (0)		
30	CP	eP	10 25 49.8	Z	0.2	38.2 (0)	1.5	
		eS	10 26 09	R	0.3	38.1 (0)		
30	MN	eP	10 26 44.5	Z	0.7	0.8 (0)	5.6	
		eL	10 26 50	R	0.9	4.0 (0)		
30	MV	eP	10 28 48.5	Z	1.0	3.2 (0)		
30	LC	eP	10 34 09.1	Z	0.9	1.9 (0)		
30	MN	eP	12 16 25.5	Z	0.8	0.4 (0)		
30	12 25 39.3		11.4 N 87.3 W WEST COAST OF NICARAGUA					
			H =033 KM MAG 4.20- CGS					
30	LC	eP	12 31 26.2	Z	0.7	1.2 (0)	27.0	3.68
30	DH	eP	12 32 10.2	Z	0.8	17.7 (0)	33.0	5.01
30	BR	eL	12 44 30	LZ	13	23.7 (1)	29.0	
							AVG.	4.34
30	12 57 25.3		29.2 S 112.1 W EASTER ISLAND REGION					
			H =033 KM MAG 4.80- CGS					
30	LC	eP	13 07 41.0	Z	1.5	11.0 (0)	61.0	4.73
		eLR	13 24 42	LZ	23	30.9 (1)		
30	CP	eP	13 07 41.8	Z	1.0	7.1 (0)	62.0	4.78
		eLQ	13 23 55	LT	30	97.6 (1)		
		eLR	13 27 20	LZ	21	30.9 (2)		
		eL	13 27 27	LZ	21	30.9 (2)		
		eL	13 27 27	LR	22	10.9 (2)		
		eL	13 27 27	LT	21	78.1 (1)		
30	DR	eP	13 08 15.0	Z	1.8	17.6 (0)	66.0	4.89
		eL	13 25 07	LZ	25	72.8 (0)		
30	MN	eP	13 08 20.0	Z	1.0	7.4 (0)	68.0	4.74
		eS	13 17 30	LT	24	33.0 (1)		
		eS	13 17 30	LR	18	14.4 (1)		
		e	13 25 13	LR	17	25.5 (1)		
		eLQ	13 26 45	LR	35	11.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	13 30 00	LZ	22	25.8 (2)		
30	MV	eP	13 08 25.9	Z	1.4	7.7 (0)	69.0	4.61
		e	13 17 42	LZ	15	12.6 (1)		
		eSS	13 22 09	LT	29	37.6 (1)		
		eSSS	13 25 26	LR	30	22.0 (1)		
		eLQ	13 26 43	LR	30	37.4 (1)		
		eLR	13 30 12	LZ	25	27.3 (2)		
		eL	13 30 43	LZ	25	27.3 (2)		
		eL	13 30 43	LR	25	55.9 (1)		
		eL	13 30 43	LT	25	16.5 (2)		
30	BL	eL	13 33 20	LZ	25	49.3 (1)	75.0	
							AVG.	4.75
30	MN	eP	13 14 14.5	Z	1.0	0.8 (0)		
30	LC	eP	13 19 26.5	Z	0.5	0.9 (0)		
30	CP	eP	13 50 01.9	Z	0.2	2.0 (0)	1.5	
		eS	13 50 21	T	0.2	16.6 (0)		

30 13 51 57.8 55.9 S 27.5 W SANDWICH ISLANDS
H =033 KM MAG 6.20- CGS

30	LC	ePD	14 06 28	Z	1.0	2.5 (0)	110.0	
		eP'	14 10 57	Z	1.5	25.7 (0)		
		ePP	14 11 25	LZ	18	28.0 (1)		
		e	14 20 27	LZ	18	32.2 (1)		
		ePKKP	14 21 37	Z	1.0	3.7 (0)		
		eSPP	14 21 45	LZ	22	41.7 (1)		
		e	14 45 25	LZ	51	18.8 (2)		
30	BR	ePP	14 10 13	Z	1.0	6.3 (0)	105.0	
		e	14 10 24	Z	1.2	77.5 (0)		
		eL	14 41 30	LZ	40	23.1 (2)		
30	DR	eP'	14 10 36.1	Z	1.0	4.9 (0)	115.0	
		e	14 10 51	Z	1.3	14.2 (0)		
		ePP	14 11 36	Z	1.2	13.3 (0)		
		e	14 11 53	Z	1.6	42.6 (0)		
		ePPP	14 14 06	Z	0.6	2.5 (0)		
		e	14 21 10	LZ	30	40.1 (1)		
		eL	14 47 15	LZ	50	17.5 (2)		
30	CP	eP'	14 10 36.2	Z	1.0	7.1 (0)	116.0	
		e	14 10 53	Z	1.1	10.6 (0)		
		ePPP	14 14 06	Z	1.1	8.8 (0)		
		eL	14 48 20	LZ	35	12.7 (2)		
30	MN	eP'	14 10 47.8	Z	1.0	11.6 (0)	121.0	
		e	14 11 03	Z	1.1	12.3 (0)		
		ePP	14 12 12	Z	2.0	36.3 (0)		
		eSKP	14 14 16	Z	1.2	15.3 (0)		
		ePKKP	14 20 50	Z	1.2	3.8 (0)		
		eSKKP	14 25 10	Z	1.0	3.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	14 25 51	Z	1.6	11.4 (0)		
		eLR	14 51 30	LZ	26	59.1 (1)		
30	MV	eP'	14 10 51.5	Z	1.0	22.8 (0)	123.0	
		e	14 11 07	Z	1.0	19.5 (0)		
		eSKP	14 14 20	Z	1.1	16.0 (0)		
		ePKKP	14 20 59	Z	0.8	2.8 (0)		
		eL	14 51 47	LZ	35	74.9 (1)		
30	BL	eL	14 40 30	LZ	50	31.2 (2)	104.0	
30	DH	eP	14 09 38.2	Z	1.0	10.0 (0)		
30	BL	eP	14 10 13.9	Z	1.0	19.0 (0)		
30	DH	e	14 10 15	Z	1.3	38.4 (0)		
30	DH	e	14 10 48	Z	1.2	46.1 (0)		
30	DH	e	14 15 50	LZ	20			

30 14 23 13.7 29.5 S 177.1 W KERMADEC ISLANDS
H =033 KM MAG 5.20- CGS

30	CP	eP	14 35 45.4	Z	1.0	30.0 (0)	85.0	5.37
30	MV	eP	14 35 51.6	Z	1.0	21.1 (0)	86.0	5.15
30	MN	eP	14 35 58.3	Z	1.0	24.9 (0)	87.0	5.33
30	LC	eP	14 36 16.0	Z	1.0	13.7 (0)	91.0	5.20
30	DR	eP	14 36 25.5	Z	0.7	3.0 (0)	93.0	4.81
							AVG.	5.17
30	DH	e	14 25 45	LT	30	84.9 (1)		
30	DH	eL	14 41 25	LZ	45			
30	BL	eP	14 41 25.4	Z	0.3	16.9 (0)	0.1	
		eS	14 41 28	R	0.3	99.9 (9)		
30	DH	eLR	14 44 10	LZ	28			
30	LC	e	14 46 05	LR	35	11.4 (2)		
30	MV	e	14 46 45	LR	20	28.2 (1)		
30	LC	eLR	14 49 50	LZ	999.9	99.9 (9)		

30 15 04 38.7 29.9 S 177.4 W KERMADEC ISLANDS
H =076 KM MAG 5.20- CGS

30	CP	eP	15 17 06.5	Z	1.5	42.1 (0)	85.0	5.22
30	MV	eP	15 17 12.5	Z	1.3	37.5 (0)	86.0	5.20
		eS	15 28 00	LT	17	10.1 (2)		
		e	15 40 20	LR	24	63.5 (1)		
		eLR	15 46 10	LZ	20	11.3 (2)		
		eL	15 49 00	LT	19	23.8 (2)		
		eL	15 49 00	LR	18	48.5 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	15 49 00	LZ	18	47.9 (2)		
30	MN	eP	15 17 19.5	Z	1.4	45.5 (0)	88.0	5.38
		e	15 17 31	Z	1.0	9.1 (0)		
		eS	15 28 10	LR	18	80.7 (1)		
		eS	15 28 10	LT	30	18.7 (1)		
		eLQ	15 41 00	LR	20	87.2 (1)		
		eLR	15 44 00	LZ	25	62.5 (1)		
30	LC	eP	15 17 37.5	Z	1.5	18.3 (0)	91.0	5.11
							AVG.	5.23
30	BR	eP	15 13 46.5	Z	0.3	4.5 (0)	0.2	
		eS	15 13 55	T	0.3	8.9 (0)		
30	CP	eLR	15 15 29	LZ	20	25.4 (2)		
30	DH	eP	15 23 23.2	Z	0.9	15.3 (0)		
30	LC	eP	15 57 59.5	Z	1.0	2.5 (0)		
30	BR	eL	16 02 50	LZ	22	15.3 (2)		
30	DH	eLR	16 05 00	LZ	20			
30	DH	eP	16 07 42.0	Z	0.7	4.9 (0)		
30	DH	eL	16 10 43	LR	18	77.7 (2)		
30	DH	eL	16 10 43	LT	20	12.7 (2)		
30	DH	eL	16 10 43	LZ	17			
30	BR	eP	16 15 04.0	Z	0.5	3.9 (0)	2.3	
		eS	16 15 33	R	0.5	14.7 (0)		
30	BR	eP	16 30 58.0	Z	0.3	3.7 (0)	0.7	
		eS	16 31 09	R	0.2	24.2 (0)		
30	MV	eP	16 53 32.5	Z	0.9	3.7 (0)		
30	MV	eP	17 08 21.6	Z	0.7	1.6 (0)		
30	17 24 35.*		15.7 S 71.1 W	SOUTHERN PERU				
			H =219 KM MAG	3.70-	CGS			
30	CP	eP	17 28 51.2	Z	0.2	15.0 (0)	1.5	
		eS	17 29 11	R	0.2	68.8 (0)		
30	MN	eP	17 29 36.5	Z	0.2	0.7 (0)		
30	MN	eL	17 30 52	R	0.6	1.8 (0)		
30	17 38 10.2		59.3 N 151.7 W	KENAI PENINSULA				
			H =033 KM MAG	4.40-	CGS			
30	LC	eP	17 45 45.6	Z	1.0	3.7 (0)	40.0	
30	CP	eP	17 45 05.3	Z	1.0	7.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	DH	eP	17 46 50.0	Z	1.0	20.0 (0)		
30	CP	eP	17 48 07.3	Z	0.2	4.7 (0)		1.5
		eS	17 48 27	T	0.2	68.7 (0)		
30	MN	eP	17 49 07.0	Z	0.3	0.5 (0)		5.0
		eS	17 50 07	T	0.9	3.6 (0)		
30	BR	eP	18 27 14.0	Z	0.4	7.2 (0)		0.1
		eS	18 27 16	T	0.3	11.9 (0)		
30	CP	eP	19 11 15.8	Z	0.2	2.7 (0)		1.4
		eS	19 11 34	T	0.2	14.3 (0)		
30	CP	eP	19 15 16.8	Z	0.2	6.8 (0)		1.5
		eS	19 15 36	T	0.2	31.7 (0)		
30	MV	eP	19 21 01.5	Z	1.5	14.3 (0)		
30	BR	eP	19 53 47.7	Z	0.5	19.0 (0)		0.5
		eS	19 53 55	R	0.3	99.9 (9)		
30	BR	eP	20 01 55.7	Z	0.6	8.7 (0)		0.8
		eS	20 02 06	T	0.5	15.7 (0)		
30	LC	eP	20 10 26.1	Z	0.2	3.5 (0)		2.4
		eS	20 10 57	T	0.4	6.2 (0)		
30	BR	eP	20 19 13.0	Z	0.3	21.0 (0)		0.3
		eS	20 19 19	T	0.3	22.3 (0)		
30	DR	eLR	20 50 30	LZ	15	38.3 (1)		
30	BL	eP	20 52 37.2	Z	0.2	13.5 (0)		0.9
		eS	20 52 49	T	0.2	99.9 (9)		
30	BL	eP	20 54 59.7	Z	0.3	6.7 (0)		0.1
		eS	20 55 02	R	0.3	41.7 (0)		
30	BL	eP	21 20 41.0	Z	0.5	21.5 (0)		0.3
		eS	21 20 48	T	0.5	99.9 (9)		
30	DH	eP	21 27 50.0	Z	1.0	10.0 (0)		
30	BL	eP	21 28 29.7	Z	0.3	16.9 (0)		0.7
		eS	21 28 35	R	0.3	34.8 (0)		
30	CP	eP	22 06 33.8	Z	0.2	8.8 (0)		1.5
		eS	22 06 54	T	0.2	14.3 (0)		
30	BL	eP	22 08 11.7	Z	0.2	10.8 (1)		0.1
		eP	22 08 15	T	0.2	99.9 (9)		
30	CP	eP	22 45 35.2	Z	0.2	5.4 (0)		3.8
30	22 45 52.*		33.7 N 116.4 W	RIVERSIDE COUNTY, CALIF.				
			H =033 KM MAG	4.30-	CGS			
30	MV	eL	22 49 14.0	Z	0.7	1.6 (0)		6.7
30	CP	eS	22 46 22	R	0.2	48.1 (0)		3.8

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	23 30 59.0		07.3 S 128.9 E BANDA SEA					
			H =143 KM MAG 5.00- CGS					
31	01 44 18.8		29.8 S 177.2 W KERMADEC ISLANDS					
			H =065 KM MAG 4.80- CGS					
31	CP	eP	01 56 48.8	Z	0.8	1.6 (0)	85.0	4.13
		eLR	02 25 07	LZ	20	13.2 (2)		
31	MV	eP	01 56 54.0	Z	2.5	61.4 (0)	86.0	5.16
		eL	02 19 21	LR	25	37.6 (0)		
		eLR	02 25 40	LT	23	45.7 (0)		
31	MN	eP	01 57 00.8	Z	1.0	1.6 (0)	87.0	4.09
		e	01 57 10	Z	1.6	40.1 (0)		
		e	02 07 51	LR	18	27.6 (1)		
		eL	02 21 19	LR	21	32.6 (1)		
		eLR	02 24 34	LZ	26	23.8 (1)		
		eL	02 29 10	LZ	20	16.5 (2)		
		eL	02 29 10	LR	21	43.5 (1)		
		eL	02 29 10	LT	19	15.0 (2)		
31	WI	eP	01 57 11.6	Z	0.7	1.1 (0)	90.0	4.15
		e	01 57 21	Z	1.5	38.1 (0)		
31	LC	eP	01 57 17.5	Z	0.9	1.9 (0)	91.0	4.36
		e	01 57 27	Z	1.2	9.6 (0)		
		eS	02 08 23	LR	17	23.9 (1)		
		ePS	02 09 33	LZ	20	16.4 (1)		
		eLQ	02 21 40	LR	23	17.9 (1)		
		eLR	02 26 35	LZ	24	15.6 (1)		
31	DR	eS	02 08 44	LT	18	11.1 (0)	93.0	
		e	02 23 51	LR	22	12.8 (0)		
		eLQ	02 27 34	LT	29	12.3 (0)		
		eLR	02 30 13	LZ	21	48.7 (0)		
		eL	02 31 20	LZ	20	53.9 (0)		
		eL	02 31 20	LR	18	12.1 (0)		
		eL	02 31 20	LT	20	46.4 (0)		
31	BL	eL	02 41 20	LZ	20	48.0 (0)	111.0	
31	BR	eL	02 42 40	LZ	20	95.2 (0)	114.0	
31	DH	eL	02 44 55	LR	20	27.4 (1)	118.0	
							AVG.	4.37
31	BL	eP	02 05 06.2	Z	0.2	36.2 (0)	0.1	
		eS	02 05 09	R	0.3	40.8 (0)		
31	CP	eP	02 14 40.9	Z	0.2	4.7 (0)	1.1	
		eS	02 14 55	R	0.3	23.2 (0)		
31	CP	eP	03 24 06.1	Z	0.2	9.5 (0)	1.4	
		eS	03 24 24	R	0.3	15.4 (0)		
		eP	03 25 10.7	Z	0.2	10.9 (0)		
		eS	03 25 29	R	0.3	15.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	WI	eP	04 22 25.8	Z	0.3	0.4 (0)	2.2	
		eS	04 22 54	R	0.4	2.9 (0)		
31	MV	eP	05 08 08.8	Z	0.5	1.2 (0)		
31	MV	eP	05 09 24.0	Z	0.2	7.8 (0)	2.3	
31	MN	eP	05 09 38.2	Z	0.5	0.6 (0)	3.1	
31	MV	eS	05 09 53	R	0.2	13.0 (0)	2.3	
31	MN	eS	05 10 18	R	0.5	2.6 (0)	3.1	
31	MV	eP	06 46 31.0	Z	0.2	29.6 (0)	2.2	
31	MN	eP	06 46 41.5	Z	0.5	0.6 (0)	2.7	
		e	06 46 45	Z	0.4	99.9 (9)		
31	MV	eS	06 46 59	T	0.2	83.6 (0)	2.2	
31	WI	eP	06 47 15.0	Z	0.3	0.4 (0)		
31	CP	eP	06 47 20.0	Z	0.8	1.6 (0)		
31	MN	eS	06 47 24	R	0.4	37.9 (0)	2.7	
31	MN	eL	06 47 30	LR	17	51.0 (1)		
31	WI	e	06 47 33	Z	0.4	4.4 (0)		
31	WI	eL	06 48 43	T	0.6	10.0 (0)		
31	WI	eP	07 30 36.7	Z	0.8	1.3 (0)		
31	DR	eL	08 01 41	LZ	32	6.6 (0)		
31	LC	eL	08 02 01	LZ	24	50.1 (0)		
31	08 32 12.5		71.4 N 8.5 W JAN MAYEN ISLAND REGION					
			H =033 KM MAG 4.30- CGS					
31	WI	eP	08 49 06.5	Z	0.3	1.2 (0)	2.5	
		eS	08 49 38	R	0.3	8.8 (0)		
31	08 51 43.0		20.6 S 178.6 W FIJI ISLANDS					
			H =600 KM MAG 3.80- CGS					
31	BL	eP	09 10 49.0	Z	0.2	4.5 (0)	1.3	
		eS	09 11 05	T	0.4	13.7 (0)		
31	DR	eP	09 33 55.2	Z	0.2	1.1 (0)	2.3	
		eS	09 34 24	R	0.2	15.2 (0)		
31	11 29 20.4		41.9 N 142.4 E NEAR COAST HOKKAIDO, JAPAN					
			H =033 KM MAG 4.50- CGS					
31	MV	eP	11 40 24.0	Z	1.0	4.9 (0)	69.0	4.55
31	WI	eP	11 40 32.3	Z	1.0	2.3 (0)	70.0	4.17

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	MN	eP	11 40 40.3	Z	0.9	3.8 (0)	72.0	4.43
		eL	12 03 45	LZ	25	10.6 (1)		
31	DR	eP	11 41 20.1	Z	0.9	1.9 (0)	78.0	4.12
		eL	12 09 20	LZ	23	5.1 (0)		
31	LC	eP	11 41 42.5	Z	1.0	2.5 (0)	83.0	4.29
		eL	12 09 17	LZ	30	73.7 (0)		
							AVG.	4.31

31 13 24 52.4 51.3 N 175.0 W ANDREANOF ALEUTIAN ISLANDS
H =033 KM MAG 4.00= CGS

31 14 43 40.3 08.2 S 116.4 E SUMBAWA ISLAND REGION
H =033 KM

31	DR	eP?	15 02 54.1	Z	1.5	7.2 (0)	131.0	
31	BL	eP?1	15 03 18.4	Z	1.0	19.0 (0)	146.0	
		eP?2	15 03 41	Z	1.2	43.8 (0)		
31	LC	ePP	15 05 21	Z	1.4	5.9 (0)	133.0	

31 15 09 37.6 42.2 N 142.4 E OFF COAST HOKKAIDO, JAPAN
H =033 KM MAG 4.30= CGS

31	CP	eP	15 33 11.1	Z	0.2	6.8 (0)	1.4	
		eS	15 33 30	R	0.3	15.4 (0)		

31 15 37 20.3 14.5 N 92.2 W OFF COAST CHIAPAS, MEXICO
H =033 KM MAG 3.90- CGS

31	LC	eP	15 42 15.1	Z	0.9	14.4 (0)	22.0	4.37
		eL	15 50 06	LZ	26	51.5 (0)		
31	DR	eP	15 43 00.5	Z	1.0	2.4 (0)	27.0	3.82
		eL	15 53 14	LZ	20	5.1 (0)		
31	MN	eP	15 43 56.0	Z	0.8	1.4 (0)	33.0	3.93
31	WI	eP	15 44 09.3	Z	0.8	3.4 (0)	35.0	4.33
		e	15 44 20	Z	0.7	2.9 (0)		
							AVG.	4.11

31	BL	eP	16 05 42.3	Z	0.2	36.2 (0)	0.1	
		eS	16 05 45	T	0.2	56.8 (0)		
		eP	16 08 21.8	Z	0.2	72.4 (0)		
		eS	16 08 25	T	0.3	14.2 (1)		

31 16 20 20.0 22.5 S 176.8 W TONGA ISLANDS
H =267 KM MAG 4.70- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	CP	eP	16 31 59.8	Z	1.0	5.7 (0)	80.0	4.32
31	MV	eP	16 32 03.0	Z	0.9	6.3 (0)	80.0	4.41
31	MN	eP	16 32 11.0	Z	1.0	8.3 (0)	82.0	4.48
31	LC	eP	16 32 35.0	Z	1.0	20.0 (0)	86.0	4.90
							AVG.	4.53

31	BL	eL	16 24 10	LZ	24	47.6 (0)		
31	LC	eL	16 24 30	LZ	34	10.9 (1)		
31	DR	eL	16 24 46	LR	20	5.1 (0)		
31	MN	eL	16 25 15	LZ	35	24.9 (1)		
31	DH	eP	16 54 14.0	Z	0.3	7.2 (0)	1.9	
		eS	16 54 39	R	0.3	23.6 (0)		
31	DH	eP	17 59 28.0	Z	0.5	3.8 (0)	4.5	
31	BR	eP	17 59 39.5	Z	0.5	99.9 (9)		
31	DH	eS	18 20 00	T	0.5	36.1 (0)	4.5	

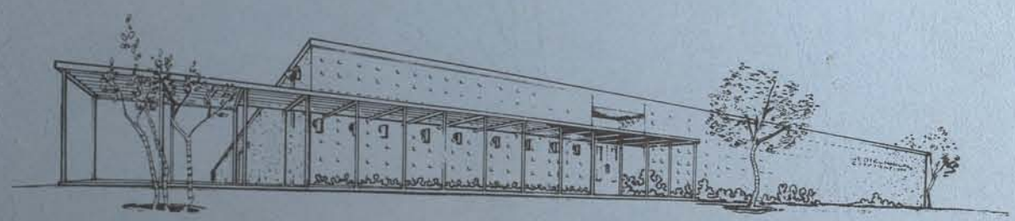
31 18 33 28.7 09.2 N 82.4 W SOUTH OF PANAMA
H =033 KM MAG 4.10- CGS

31 21 53 03.6 43.1 N 88.3 E SINKIANG PROVINCE, CHINA
H =045 KM MAG 4.70- CGS

Bulletin No. 20
August 1963

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No:	VT/4051
ARPA Order No:	104-60
ARPA Code No:	8100
Contractor:	The Geotechnical Corporation Garland, Texas
Contract No:	AF 33(657)-12145

THE GEOTECHNICAL CORPORATION
3401 Shiloh Road
Garland, Texas

Bulletin No. 20
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13 July 1964

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SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at ten of the forty mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/4051, Contract AF 33(657)-12145, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the forty teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM bulletin sites, with the exception of NP NT and HW IS, consists of a three-component Benioff short-period

seismograph system and a three-component Sprengnether long-period seismograph system. Both systems use phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2. A 14-element short-period vertical-instrument array is in operation at HW IS. The long-period system was not operational at this site during August. A 7-element short-period Johnson-Matheson vertical-instrument array is in operation at NP NT. The response characteristics of this system are shown in figure 3.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by 14-channel Magnetic-Tape Recorders, Ampex Model 314. Data at HW IS and NP NT are also recorded by 16-mm film Develocorders.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

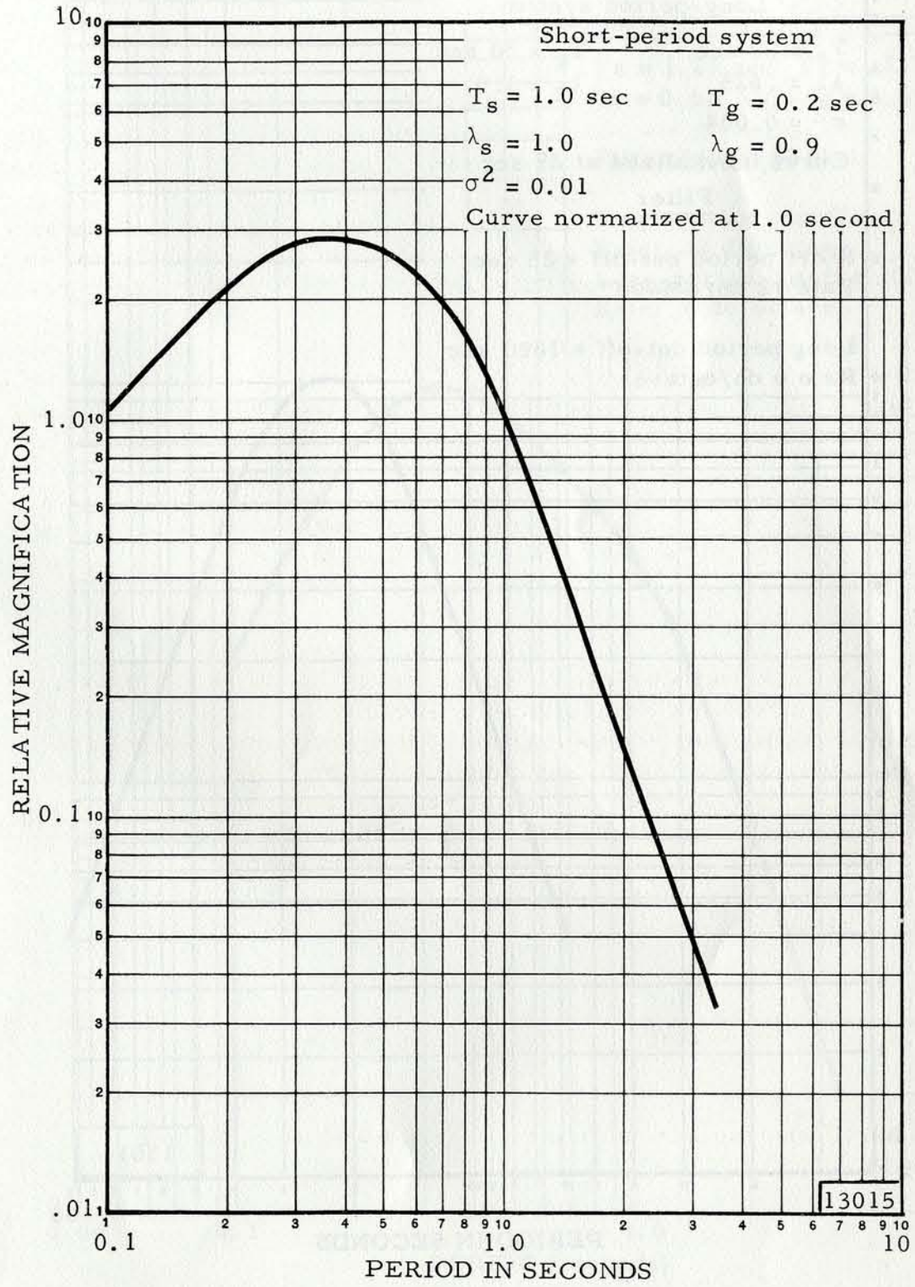


Figure 1. Frequency response of the Benioff short-period seismograph system

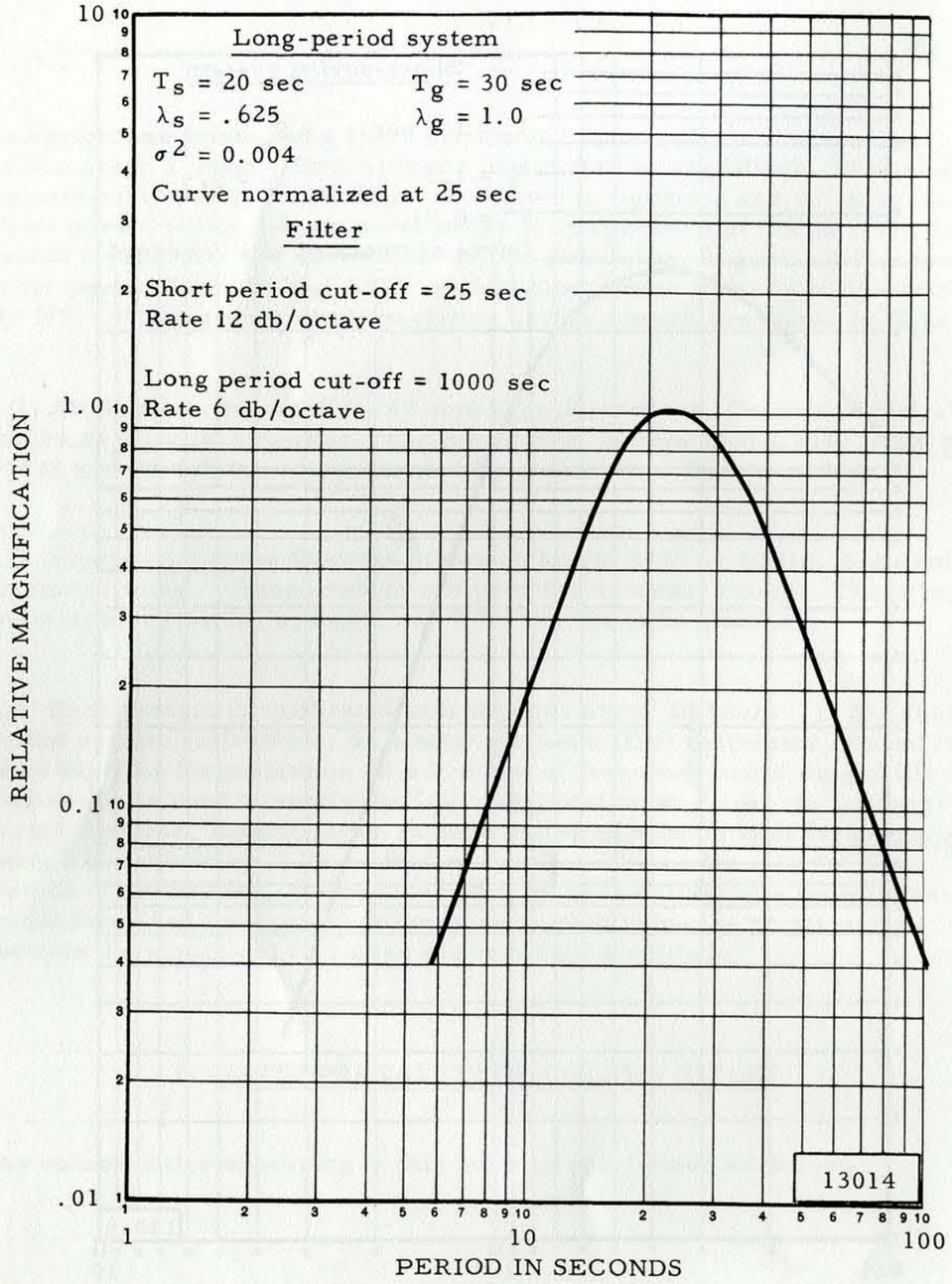


Figure 2. Frequency response of the Sprengnether long-period seismograph system

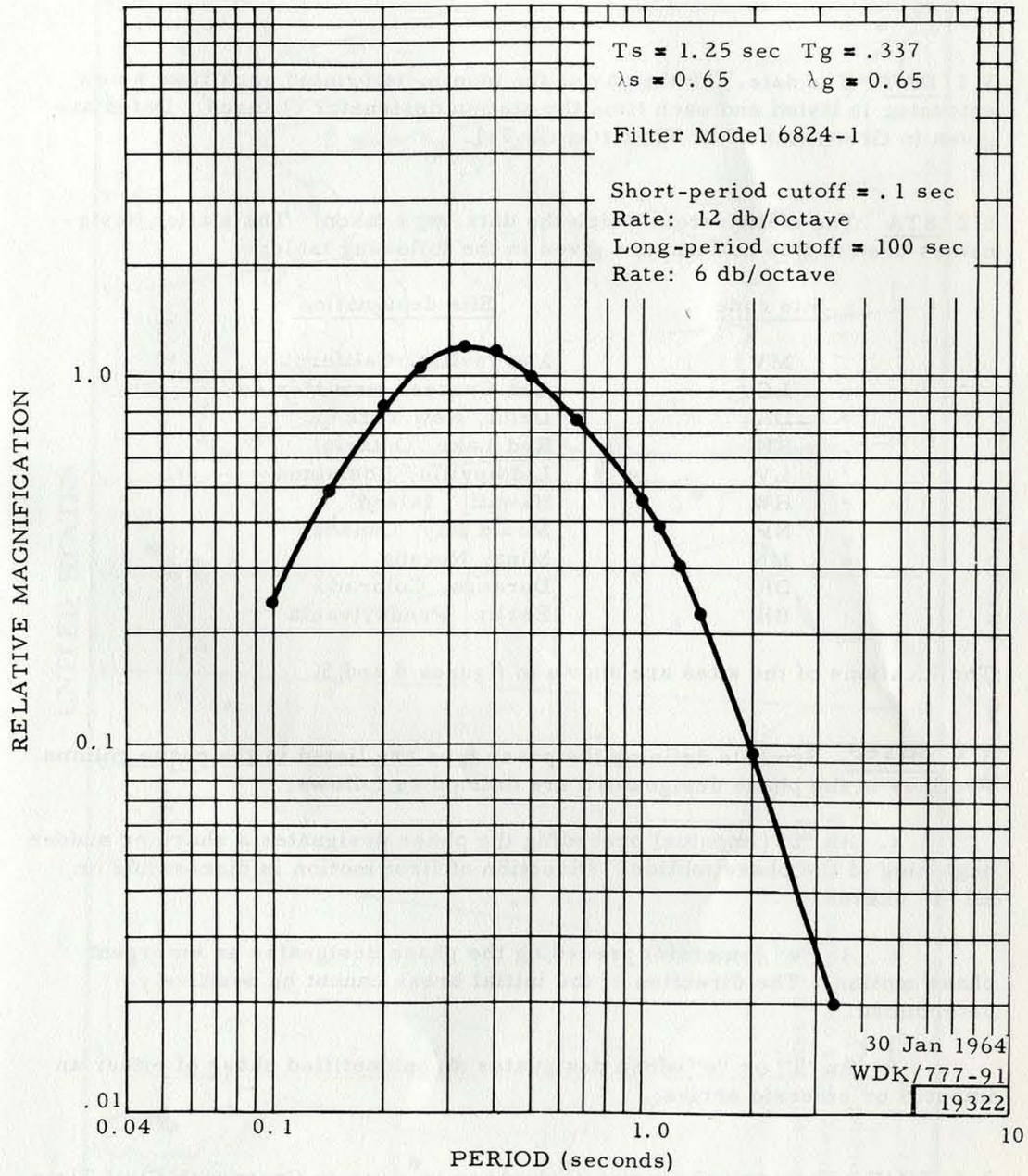


Figure 3. Frequency response of the Johnson-Matheson seismograph system

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G. C. T.).

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table:

Site code	Site designation
MV	Marysville, California
LC	Las Cruces, New Mexico
DH	Delhi, New York
RK	Red Lake, Ontario
LV	Liddieville, Louisiana
HW	Hawaii Island
NP	Mould Bay, Canada
MN	Mina, Nevada
DR	Durango, Colorado
BR	Berlin, Pennsylvania

The locations of the sites are shown in figures 4 and 5.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (G. C. T.). Arrival times indicate that time at which phase motion is first

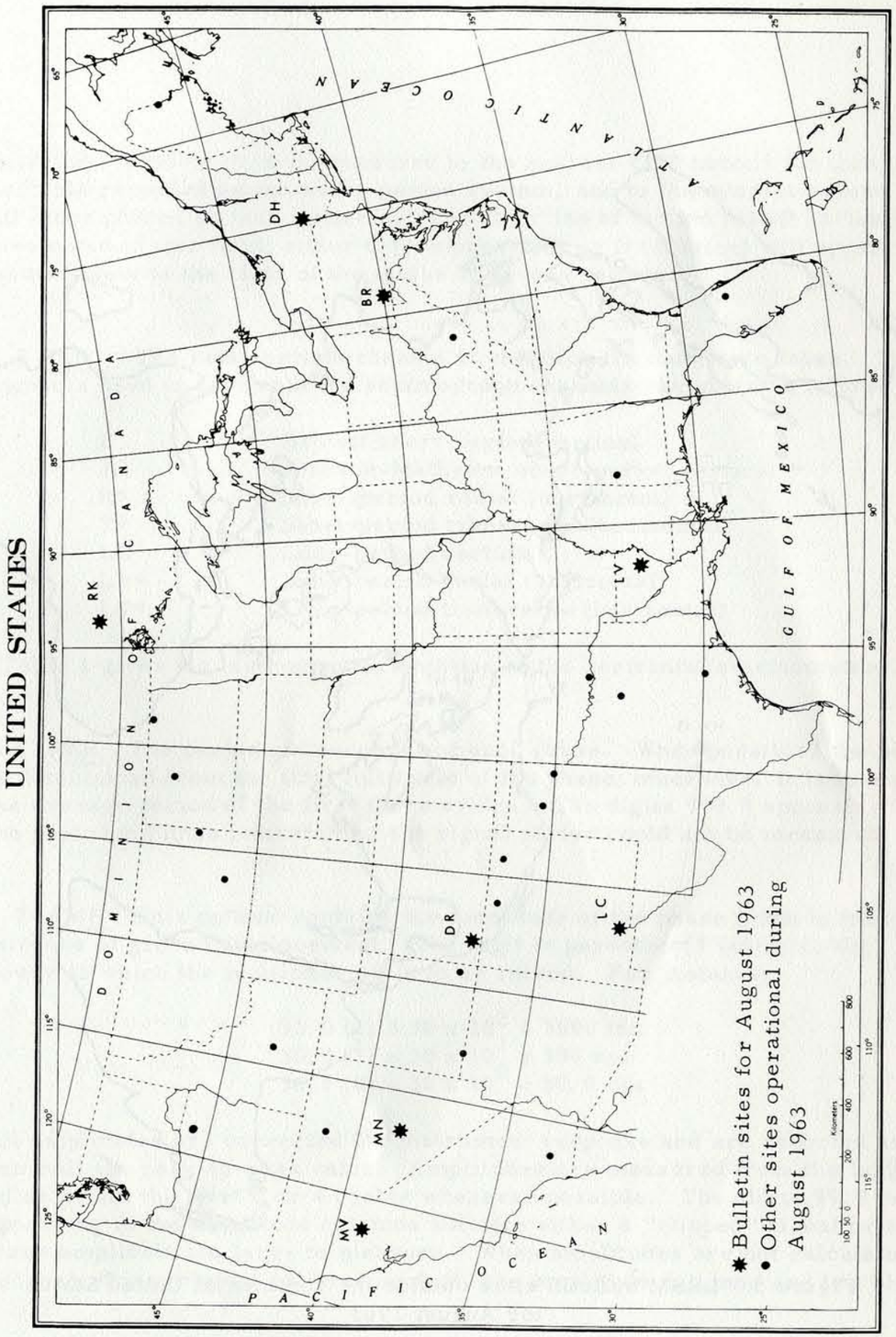


Figure 4. LRSM bulletin sites

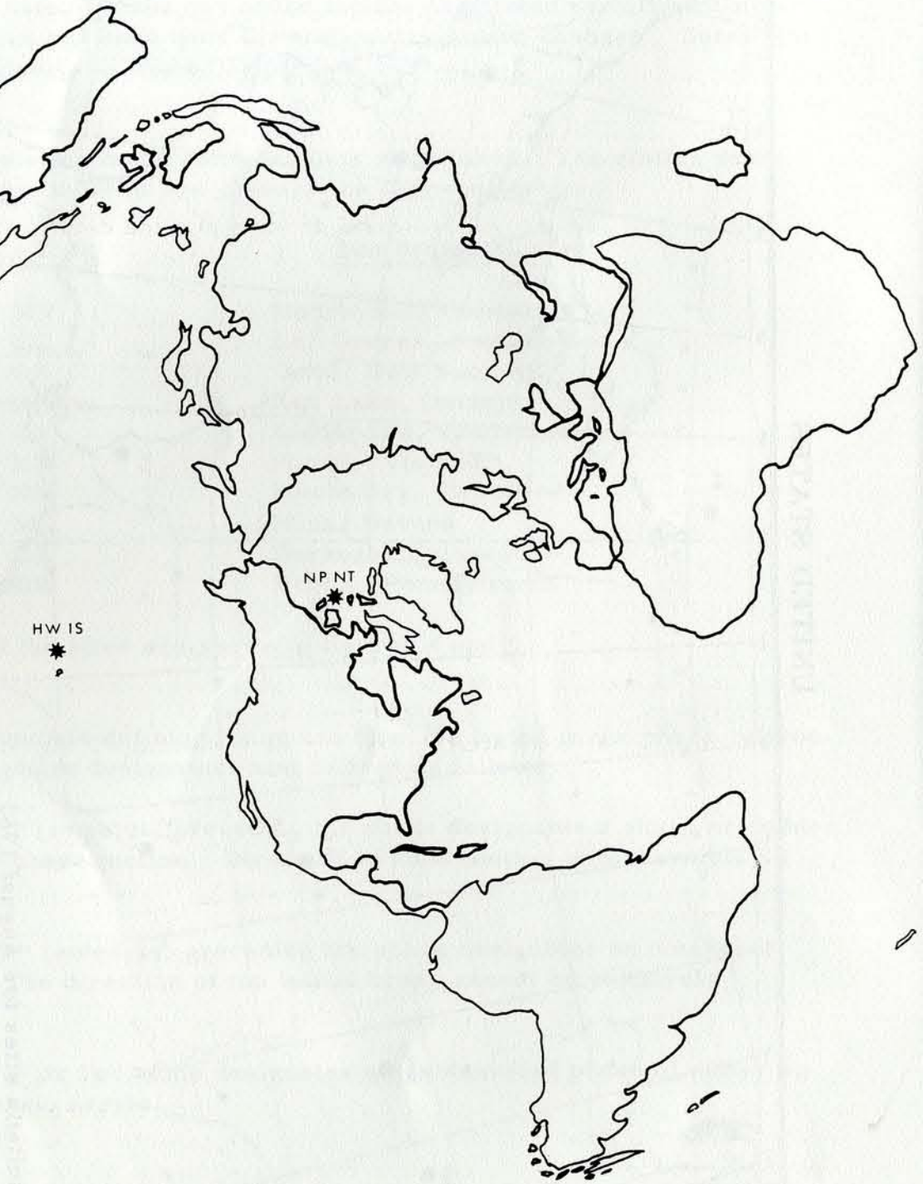


Figure 5. LRSM bulletin sites outside the continental United States for August 1963

detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

Z	Benioff short-period vertical
JZ	Johnson-Matheson short-period vertical
R*	Short-period radial (horizontal)
T*	Short-period transverse (horizontal)
LZ	Long-period vertical
LR*	Long-period radial (horizontal)
LT*	Long-period transverse (horizontal)

*Table 1 gives the instrument orientation of the horizontal seismometers.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

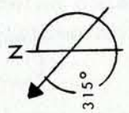
3.7 AMP This column contains the amplitude of the phase given in millimicrons of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$$30.0\ (2) = 30 \times 10^{2} = 3000\ m\mu$$
$$30.0\ (1) = 30 \times 10^{1} = 300\ m\mu$$
$$30.0\ (0) = 30 \times 10^{0} = 30.0\ m\mu$$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

Table 1. LRSM horizontal seismometer orientation

Site code	Site designation	Azimuth from true north in degrees* Radial	Azimuth from true north in degrees* Trans-verse	Site coordinates in deg, min, sec	Elevation in km	Rock type
DR CO	Durango, Colorado	090	180	N 37 27 53 W 107 47 00	2.23	Granite
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58	1.59	Limestone
RK ON	Red Lake, Ontario	058	148	N 50 50 20 W 93 40 20	0.37	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35	0.18	Volcanics
HW IS	Hawaii Island	235	325	N 19 58 49 W 155 42 20	0.71	Basalt
MN NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.52	Limestone
LV LA	Liddieville, Louisiana	111	201	N 32 08 10 W 91 52 30	0.02	Alluvium
NP NT	Mould Bay, Canada	356	086	N 76 15 08 W 119 22 18	0.06	Alluvium
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18	0.65	Sandstone
BR PA	Berlin, Pennsylvania	097	187	N 39 55 27 W 78 50 41	0.66	Sandstone



*When earth moves in direction shown, trace moves up.

detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

Z	Benioff short-period vertical
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R*	Short-period radial (horizontal)
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*Table 1 gives the instrument orientation of the horizontal seismometers.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

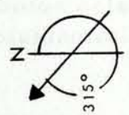
3.7 AMP This column contains the amplitude of the phase given in millimicrons of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$$30.0\,(2) = 30 \times 10^{2} = 3000\ m\mu$$
$$30.0\,(1) = 30 \times 10^{1} = 300\ m\mu$$
$$30.0\,(0) = 30 \times 10^{0} = 30.0\ m\mu$$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

Table 1. LRSM horizontal seismometer orientation

Site code	Site designation	Azimuth from true north in degrees* Radial	Trans-verse	Site coordinates in deg, min, sec				Elevation in km	Rock type
DR CO	Durango, Colorado	090	180	N	37	27	53	2.23	Granite
				W	107	47	00		
LC NM	Las Cruces, New Mexico	124	214	N	32	24	08	1.59	Limestone
				W	106	35	58		
RK ON	Red Lake, Ontario	058	148	N	50	50	20	0.37	Granite
				W	93	40	20		
MV CL	Marysville, California	295	025	N	39	12	47	0.18	Volcanics
				W	121	17	35		
HW IS	Hawaii Island	235	325	N	19	58	49	0.71	Basalt
				W	155	42	20		
MN NV	Mina, Nevada	308	038	N	38	26	10	1.52	Limestone
				W	118	08	53		
LV LA	Liddieville, Louisiana	111	201	N	32	08	10	0.02	Alluvium
				W	91	52	30		
NP NT	Mould Bay, Canada	356	086	N	76	15	08	0.06	Alluvium
				W	119	22	18		
DH NY	Delhi, New York	095	185	N	42	14	39	0.65	Sandstone
				W	74	53	18		
BR PA	Berlin, Pennsylvania	097	187	N	39	55	27	0.66	Sandstone
				W	78	50	41		



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All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

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				W	107	47	00		
LC NM	Las Cruces, New Mexico	124	214	N	32	24	08	1.59	Limestone
				W	106	35	58		
RK ON	Red Lake, Ontario	058	148	N	50	50	20	0.37	Granite
				W	93	40	20		
MV CL	Marysville, California	295	025	N	39	12	47	0.18	Volcanics
				W	121	17	35		
HW IS	Hawaii Island	235	325	N	19	58	49	0.71	Basalt
				W	155	42	20		
MN NV	Mina, Nevada	308	038	N	38	26	10	1.52	Limestone
				W	118	08	53		
LV LA	Liddieville, Louisiana	111	201	N	32	08	10	0.02	Alluvium
				W	91	52	30		
NP NT	Mould Bay, Canada	356	086	N	76	15	08	0.06	Alluvium
				W	119	22	18		
DH NY	Delhi, New York	095	185	N	42	14	39	0.65	Sandstone
				W	74	53	18		
BR PA	Berlin, Pennsylvania	097	187	N	39	55	27	0.66	Sandstone
				W	78	50	41		

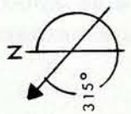

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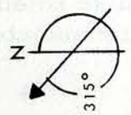
Table 1. LRSM horizontal seismometer orientation

Site code	Site designation	Azimuth from true north in degrees* Radial	Azimuth from true north in degrees* Trans-verse	Site coordinates in deg, min, sec	Elevation in km	Rock type
DR CO	Durango, Colorado	090	180	N 37 27 53 W 107 47 00	2.23	Granite
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58	1.59	Limestone
RK ON	Red Lake, Ontario	058	148	N 50 50 20 W 93 40 20	0.37	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35	0.18	Volcanics
HW IS	Hawaii Island	235	325	N 19 58 49 W 155 42 20	0.71	Basalt
MN NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.52	Limestone
LV LA	Liddieville, Louisiana	111	201	N 32 08 10 W 91 52 30	0.02	Alluvium
NP NT	Mould Bay, Canada	356	086	N 76 15 08 W 119 22 18	0.06	Alluvium
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18	0.65	Sandstone
BR PA	Berlin, Pennsylvania	097	187	N 39 55 27 W 78 50 41	0.66	Sandstone



*When earth moves in direction shown, trace moves up.

3.8 DIST This is the distance from the recording station to the epicenter. All reported distances are calculated based on geocentric coordinates. Distance is given to the nearest 1/10 of a degree for distances up to six degrees. Beyond six degrees calculations are made to the nearest one degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases, the major arc distance is given.

3.9 MAG The magnitudes provided are body wave magnitudes, m_b, as defined by Gutenberg and Richter.[1] They are determined only from the short-period vertical component of the "P" phase (initial arrival). The following equation is used:

$$m_b = \log_{10}(A/T) + Q$$

where:

m_b = body wave magnitude

A = 1/2 p-p earth amplitude of "P" phase, in microns

T = Period of "P" phase, in seconds

Q = Depth-distance factor for PZ given by Gutenberg and Richter,[1] for distances greater than 16^o.

Magnitude computations for distances less than 16^o are based on AFTAC extensions of the "Q" tables. Points from 10^o to 16^o were read from a curve in the Gutenberg-Richter paper, and an inverse cube relationship was used to extrapolate from 2^o to 10^o.

The average magnitude (sum of station magnitudes/number of stations) is listed on the last line of an epicenter print-out.

[1]Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Am. Geofis., 9, pp. 1-15.

When possible, magnitudes are computed for foreshocks and aftershocks as well as for the main event.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

The notation AS located between these columns calls attention to an aftershock recorded following the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

Line 1 (from left to right)

First group:	day of the month
Second group:	origin time of the event
Third group:	geographic coordinates of the epicenter
Fourth group:	geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to $1/2^{o}$ in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group:	depth (h) of the hypocenter in kilometers
Second group:	magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), Palisades (PAL), or USC&GS (CGS)

NOTE

MAG. (CGS) is m_b of Gutenberg and Richter from the P phase only. The magnitude quoted is an average value determined from data forwarded by cooperating standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC)
VELA Seismological Center
Washington 25, D. C.
Attn: Captain Nicholas A. Orsini

			TIME	INST	PER	AMPL	DIST	MAG
			00 41 34.9	Z	0.2	4.6 (0)	2.7	
		eS	00 42 09	T	0.4	24.8 (0)		
1	MN	eP	01 01 54.3	Z	0.3	7.9 (0)	0.3	
		eS	01 02 00	T	0.3	6.8 (0)		
1	MN	eP	02 06 27.6	Z	999.9	99.9 (9)		
1	LC	eLR	03 29 25	LZ	25	51.0 (0)		

1 04 01 04.6 40.0 N 115.6 W NEVADA
H =033 KM MAG 3.80- CGS

1	MN	eP	04 01 34.5	Z	0.3	7.0 (0)	2.5	
1	MV	eP	04 02 02.0	Z	0.3	1.1 (0)	4.5	3.68
		e	04 02 06	Z	0.3	5.8 (0)		
		eS	04 02 56	R	0.4	16.3 (0)		
1	DR	eP	04 02 45.2	Z	0.4	0.8 (0)	7.0	3.98
		e	04 03 11	Z	0.4	1.7 (0)		
		eL	04 04 44	T	0.6	2.1 (0)		
							AVG.	3.83

1 04 05 04.3 14.1 N 92.3 W GUATEMALA
H =033 KM MAG 4.00- CGS

1	LC	eP	04 10 02.5	Z	0.9	1.9 (0)	22.0	3.50
		eL	04 14 00	LZ	16	63.4 (0)		
1	MN	eP	04 11 41.9	Z	0.9	1.9 (0)	33.0	4.00
1	NP	eP	04 15 33.4	JZ	.9	4.3 (0)	63.0	4.52
1	DH	eLR	04 23 10	LZ	21	16.0 (1)	32.0	
							AVG.	4.06

1	MN	eP	04 30 04.3	Z	0.2	1.6 (0)	0.9	
		eS	04 30 17	T	0.4	4.1 (0)		

1 04 39 02.7 07.0 S 146.1 E EASTERN NEW GUINEA
H =033 KM MAG 4.70- CGS

1 05 00 17.3 39.3 N 109.1 W UTAH COLORADO BORDER
H =033 KM MAG 3.70- CGS

1	DR	eP	05 01 03.9	Z	0.2	1.2 (0)	2.1	
		e	05 01 13	Z	0.4	6.2 (0)		
		eS	05 01 43	T	0.5	3.3 (0)		
1	LC	eP	05 08 38.0	Z	0.8	1.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

1 05 22 15.* 21.8 N 108.1 W OFF WEST COAST OF MEXICO
H =033 KM MAG 3.70- CGS

1	LC	eP	05 26 43.5	Z	0.8	1.5 (0)	21.0	3.37
1	MN	eP	06 01 45.4	Z	0.2	4.0 (0)	0.1	
		eS	06 01 47	T	0.3	99.9 (9)		
1	DR	e	06 03 25	LR	19	17.7 (1)		
1	DR	e	06 07 40	LR	24	13.9 (1)		
1	DR	eLR	06 10 10	LZ	27	28.5 (1)		
1	DR	e	06 12 20	LT	32	35.9 (1)		
1	MN	eP	09 37 19.1	Z	1.1	2.1 (0)		
1	LC	eP	09 37 41.5	Z	1.0	2.5 (0)		
1	DR	eP	09 55 09.5	Z	1.1	9.5 (0)		
1	MN	eP	10 10 18.3	Z	0.3	2.7 (0)	0.1	
		eS	10 10 20	T	0.3	11.8 (0)		
1	RK	eP	10 29 59.0	Z	0.6	2.0 (0)		
1	MN	eP	10 40 23.8	Z	0.2	0.8 (0)	0.3	
		eS	10 40 29	R	0.3	12.1 (0)		

1 10 45 02.7 55.3 N 161.8 E NEAR E. COAST KAMCHATKA
H =050 KM MAG 5.00- CGS

1	NP	eP	10 51 49.3	JZ	.9	28.4 (0)	35.0	5.20
1	MV	eP	10 54 07.3	Z	0.7	6.4 (0)	52.0	4.71
		eLR	11 10 03	LZ	23	15.4 (1)		
1	MN	eP	10 54 24.7	Z	0.7	5.5 (0)	54.0	4.69
		eLR	11 09 55	LZ	21	12.4 (1)		
1	RK	eP	10 54 45.0	Z	0.7	17.2 (0)	57.0	5.19
		eL	11 15 00	LZ	24	32.4 (0)		
1	LC	eP	10 55 39.0	Z	0.8	5.2 (0)	65.0	4.66
		eP	10 55 40	LZ	21	57.9 (0)		
		eS	11 04 10	LT	22	18.2 (1)		
		eS	11 04 10	LR	20	15.2 (1)		
		eSS	11 08 30	LR	23	17.9 (1)		
		eLQ	11 12 26	LR	30	11.3 (1)		
		eLR	11 16 12	LZ	34	31.7 (1)		
1	DH	eP	10 56 19.1	Z	0.6	8.5 (0)	72.0	4.90
		eLR	11 27 54	LZ	21	32.0 (1)		
1	DR	eLR	11 05 40	LZ	22	14.7 (1)	60.0	
							AVG.	4.81
1	HW	eP	11 11 04.1	Z	0.2	69.5 (0)	0.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	11 11 13	T	999.9	99.9 (9)		
1	MN	eP	12 31 23.6	Z	1.0	1.7 (0)		
1	NP	eP	12 51 44.0	JZ	.7	5.1 (0)		
1	MN	eP	12 54 02.0	Z	0.8	2.0 (0)		
1	MN	e	12 54 20	Z	0.8	2.5 (0)		
1	LC	eP	12 54 28.3	Z	0.9	3.9 (0)		
1	RK	eP	12 54 30.6	Z	0.6	2.0 (0)		
1	LC	eLR	13 17 18	LZ	23	76.8 (0)		
1	MN	eP	13 25 29.7	Z	0.2	1.6 (0)	0.3	
		eS	13 25 35	R	0.3	3.7 (0)		
1	LC	eLR	13 31 07	LZ	32	11.6 (1)		
1	LC	eP	13 34 32.7	Z	1.0	2.5 (0)		
1	MN	eP	13 35 47.9	Z	0.7	0.8 (0)		
1	RK	eP	13 35 59.3	Z	0.7	2.4 (0)		
1	MN	e	13 36 01	Z	1.0	2.5 (0)		
1	DR	eLR	13 49 00	LZ	27	12.9 (1)		
1	DH	eP	13 50 26.0	Z	0.3	7.3 (0)	1.7	
		eS	13 50 49	R	0.4	16.1 (0)		
1	MN	eLR	13 52 20	LZ	28	17.4 (1)		
1	DR	eP	13 53 35.5	Z	0.8	3.0 (0)		
1	14 46 39.8		58.3 N 151.9 W KODIAK ISLAND REGION H =040 KM MAG 4.80- CGS					
1	NP	eP	14 51 25.7	JZ	.5	2.0 (0)	22.0	3.76
		e	14 51 30	JZ	.7	14.5 (0)		
		eS	14 55 27	T	1.5	39.2 (0)		
		eS	14 55 27	R	1.1	8.2 (0)		
1	MV	eP	14 52 22.0	Z	1.0	3.2 (0)	27.0	3.93
		eLR	15 00 07	LZ	21	42.2 (1)		
1	MN	eP	14 52 42.0	Z	1.2	9.1 (0)	29.0	4.40
		ePCP	14 55 46	Z	0.7	2.1 (0)		
		eLR	15 01 15	LZ	24	38.8 (1)		
1	RK	eP	14 53 16.9	Z	0.9	3.8 (0)	34.0	4.28
		eL	15 05 10	LZ	23	43.3 (0)		
1	LC	eP	14 54 12.2	Z	1.1	14.1 (0)	40.0	4.58
		eLR	15 07 00	LZ	28	28.0 (1)		
1	DR	eLR	15 04 30	LZ	25	41.4 (1)	35.0	
							AVG.	4.24
1	MN	eP	14 58 50.6	Z	0.2	0.4 (0)	4.4	
		e	14 59 08	Z	0.6	1.0 (0)		
		eS	14 59 44	T	0.9	3.8 (0)		
1	15 20 55.9		29.8 S 177.2 W KERMADEC ISLANDS H =059 KM MAG 4.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	MV	eP	15 33 32.0	Z	1.0	4.8 (0)	86.0	4.47
		eLR	16 01 08	LZ	22	11.0 (1)		
1	MN	eP	15 33 38.3	Z	1.0	5.1 (0)	87.0	4.59
		eS	15 44 25	LR	14	23.3 (1)		
		eLQ	15 57 55	LR	18	17.2 (1)		
		eLR	16 02 53	LZ	20	16.0 (1)		
1	LC	eP	15 33 55.7	Z	1.1	4.7 (0)	91.0	4.67
		eS	15 44 40	LT	19	17.3 (1)		
		e	15 53 35	LR	17	10.6 (1)		
		eLQ	15 58 40	LT	24	98.8 (0)		
		eLR	16 04 25	LZ	20	77.3 (0)		
		eL	16 11 33	LZ	19	50.0 (1)		
		eL	16 11 33	LR	19	32.9 (1)		
		eL	16 11 33	LT	19	33.4 (1)		
1	RK	eL	16 18 07	LZ	20	32.7 (0)	107.0	
1	DH	eLR	16 20 08	LZ	25	35.7 (1)	118.0	
							AVG.	4.57
1	MN	eP	15 50 14.0	Z	0.3	1.8 (0)	0.7	
		eS	15 50 24	T	0.4	6.3 (0)		
1	LC	eP	17 00 49.0	Z	0.2	5.4 (0)	1.5	
		eS	17 01 09	R	0.2	4.2 (0)		
1	MN	eP	17 09 33.2	Z	0.7	1.2 (0)		
1	MN	eP	17 34 03.9	Z	0.9	1.3 (0)		
1	DR	eLR	17 53 00	LZ	18	31.7 (1)		
1	RK	eP	18 03 07.4	Z	0.6	2.0 (0)		
1	RK	e	18 03 22	Z	0.9	11.4 (0)		
1	RK	e	18 08 46	Z	0.9	5.7 (0)		
1	18 22 53.2		42.3 N 142.2 E HOKKAIDO, JAPAN H =026 KM MAG 4.30- CGS					
1	NP	eP	18 31 57.4	Z	0.8	1.4 (0)	51.0	3.98
1	RK	eP	18 34 34.5	Z	0.6	5.1 (0)	75.0	4.68
							AVG.	4.33
1	NP	eP	18 25 44.6	JZ	1	2.4 (0)		
1	18 30 26.3		15.0 S 71.8 W SOUTHERN PERU H =100 KM MAG 4.10- CGS					
1	LC	eL	18 49 50	LZ	17	55.9 (1)		
1	NP	eP	19 06 22.8	JZ	1	4.8 (0)		
1	LC	eLR	19 29 00	LZ	19	11.8 (1)		
1	DR	eLR	19 31 20	LZ	21	14.7 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	NP	eP	19 45 14.0	JZ	.7	3.4 (0)		
1	NP	eP	19 46 04.5	JZ	.5	1.3 (0)		
1	19 59 02.6		44.3 N 85.8 E SINKIANG PROVINCE, CHINA					
			H =033 KM MAG 4.50- CGS					
1	NP	eP	20 08 49.8	JZ	.5	2.0 (0)	59.0	4.40
		e	20 08 59	JZ	1	9.7 (0)		
1	LC	eP	20 10 54.5	Z	0.3	3.6 (0)		
1	LC	e	20 10 59	Z	0.3	4.5 (0)		
1	LC	eS	20 11 33	T	0.4	9.7 (0)		
1	20 53 58.3		17.6 S 178.9 W FIJI ISLANDS					
			H =526 KM MAG 3.80- CGS					
1	RK	eP	21 28 00.0	Z	0.2	2.3 (0)	2.1	
		eS	21 28 28	R	0.2	14.0 (0)		
1	RK	eP	21 34 19.2	Z	0.2	3.5 (0)	2.4	
		eS	21 34 50	R	0.3	22.0 (0)		
1	LC	eP	21 36 05.6	Z	0.3	9.9 (0)	0.3	
		eS	21 36 15	R	0.4	26.2 (0)		
1	21 43 08.6		52.1 N 173.2 E ALEUTIAN NEAR ISLANDS					
			H =090 KM MAG 4.40- CGS					
1	NP	eP	21 49 51.6	JZ	.6	3.7 (0)	35.0	4.49
1	RK	eP	21 52 24.9	Z	0.8	7.3 (0)	54.0	4.76
1	LC	eP	21 53 04.8	Z	0.7	8.2 (0)	59.0	4.87
							AVG.	4.70
2	BR	eP	00 33 58.5	Z	0.2	8.5 (0)	0.6	
		eS	00 34 09	R	0.2	22.9 (0)		
2	MV	eP	00 39 16.3	Z	0.2	13.2 (0)	1.2	
		eS	00 39 32	R	0.2	40.6 (0)		
2	MN	eLR	01 26 05	LZ	22	69.8 (0)		
2	MV	eLR	02 26 33	LZ	20	67.0 (0)		
2	RK	eP	03 28 58.1	Z	0.7	11.0 (0)		
2	NP	eP	03 41 32.3	JZ	.6	3.1 (0)		
2	NP	eP	04 13 48.2	JZ	.9	10.3 (0)		
2	NP	e	04 13 55	JZ	1.1	18.0 (0)		
2	MN	eP	04 38 33.0	Z	0.7	0.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	05 44 36.5		31.4 N 131.6 E KYUSHU, JAPAN					
			H =022 KM MAG 4.30- CGS					
2	MN	eP	05 57 10.5	Z	0.7	1.2 (0)	85.0	4.19
2	LC	eLQ	06 32 42	LR	17	41.5 (1)	96.0	
		eLR	06 34 00	LZ	15	53.3 (1)		
		eL	06 34 02	LZ	15	53.3 (1)		
		eL	06 34 02	LR	15	49.8 (1)		
		eL	06 34 02	LT	14	50.8 (1)		
2	LC	eP	06 28 13.5	Z	0.9	0.9 (0)		
2	DR	eP	06 29 17.5	Z	0.9	1.9 (0)		
2	MN	eP	06 30 03.2	Z	0.9	2.6 (0)		
2	RK	eP	06 31 22.5	Z	0.5	1.8 (0)		
2	LC	e	06 32 30	R	3.8	15.2 (1)		
2	DR	eL	06 35 35	LR	18	19.7 (1)		
2	DR	eLR	06 37 13	LZ	14	58.6 (1)		
2	MN	eP	08 47 48.0	Z	0.2	2.0 (0)	1.2	
		eS	08 48 03	R	0.2	4.5 (0)		
2	09 07 18.0		56.2 N 34.1 W NORTH ATLANTIC OCEAN					
			H =041 KM MAG 4.60- CGS					
2	BR	eP	09 13 42.0	Z	1.5	23.4 (0)	33.0	4.85
2	RK	eP	09 14 05.5	Z	1.0	17.3 (0)	35.0	4.93
		eLR	09 24 20	LZ	27	55.3 (1)		
2	NP	eP	09 14 10.1	JZ	2.6	23.9 (1)	35.0	5.66
2	DR	eP	09 16 20.0	Z	1.0	11.2 (0)	51.0	4.79
		eS	09 23 43	LT	26	23.2 (1)		
		eLQ	09 30 16	LT	20	37.8 (1)		
		eLR	09 32 00	LZ	40	26.2 (1)		
		eL	09 36 34	LZ	19	10.2 (2)		
		eL	09 36 34	LR	20	36.0 (1)		
		eL	09 36 34	LT	20	53.0 (1)		
2	LC	eP	09 16 41.5	Z	1.0	3.8 (0)	54.0	4.38
		e	09 17 12	Z	1.0	2.5 (0)		
		eSP	09 24 24	LZ	18	14.7 (1)		
		eLQ	09 30 50	LT	24	40.0 (1)		
		eLR	09 33 05	LZ	32	27.7 (1)		
2	MN	eP	09 16 54.8	Z	2.0	31.9 (0)	56.0	5.00
		e	09 17 34	Z	2.5	42.6 (0)		
		eLQ	09 31 20	LT	21	25.8 (1)		
		eLR	09 35 08	LZ	35	35.1 (1)		
		eL	09 38 51	LT	22	80.0 (1)		
		eL	09 38 51	LR	20	35.3 (1)		
		eL	09 38 51	LZ	23	90.6 (1)		
2	MV	e	09 25 03	LZ	17	19.9 (1)	57.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	09 31 27	LZ	19	24.1 (1)		
		eL	09 37 00	LR	20	19.6 (1)		
							AVG.	4.93
2	09 13 46.8		56.3 N 34.5 W NORTH ATLANTIC OCEAN H =033 KM MAG 4.20- CGS					
2	RK	eP	09 20 33.3	Z	1.0	9.9 (0)	35.0	4.69
2	NP	eP	09 20 40.8	JZ	1.6	29.2 (0)	35.0	4.96
2	DR	eP	09 22 47.0	Z	1.0	4.9 (0)	51.0	4.43
		e	09 28 43	Z	0.9	0.9 (0)		
2	LC	eP	09 23 09.0	Z	0.9	1.9 (0)	54.0	4.13
							AVG.	4.55
2	09 45 41.9		43.4 N 114.5 W IDAHO H =050 KM					
2	10 20 39.7		26.8 N -141.3 E MARIANA ISLANDS REGION H =109 KM MAG 4.30- CGS					
2	NP	eP	10 31 18.7	JZ	.7	10.8 (0)	66.0	4.87
2	MN	eP	10 32 45.8	Z	1.0	2.5 (0)	81.0	3.99
		e	10 55 50	LZ	16	98.6 (0)		
		eLR	10 58 20	LZ	25	13.8 (1)		
2	RK	eP	10 33 22.3	Z	0.9	7.6 (0)	89.0	4.80
2	LC	eP	10 33 40.0	Z	0.7	1.2 (0)	93.0	4.33
							AVG.	4.49
2	RK	eP	10 22 40.0	Z	0.8	2.9 (0)		
2	10 49 16.1		34.7 N 8.9 W OFF COAST OF MOROCCO H =033 KM MAG 4.10- CGS					
2	DR	eP	11 01 02.0	Z	0.9	0.9 (0)	76.0	3.82
		eL	11 28 18	LR	18	19.7 (1)		
		eLR	11 30 06	LZ	15	15.5 (1)		
2	LC	eP	11 01 13.0	Z	0.9	0.9 (0)	78.0	3.83
		eL	11 25 35	LR	17	31.4 (1)		
		eLR	11 26 35	LZ	12	37.1 (1)		
		eL	11 26 43	LZ	19	88.6 (0)		
		eL	11 26 43	LR	13	57.4 (1)		
		eL	11 26 43	LT	10	51.5 (1)		
							AVG.	3.82

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	DR	eP	11 21 58.0	Z	0.5	0.4 (0)		
2	12 49 35.*		57.5 N 38.5 W NORTH ATLANTIC OCEAN H =033 KM MAG 4.20- CGS					
2	RK	eP	12 56 03.4	Z	0.7	2.4 (0)	32.0	4.18
2	DR	eP	12 58 17.3	Z	1.0	3.7 (0)	49.0	4.33
		eLR	13 15 22	LZ	21	27.3 (1)		
2	LC	eP	12 58 41.3	Z	0.9	0.9 (0)	52.0	4.73
		eLR	13 15 20	LZ	36	11.3 (1)		
2	MN	eP	12 58 51.5	Z	1.0	1.7 (0)	53.0	3.96
		eLR	13 17 02	LZ	33	95.9 (0)		
2	MV	eLR	13 21 15	LZ	15	13.9 (1)	54.0	
							AVG.	4.30
2	DH	eP	14 27 01.0	Z	0.2	24.2 (0)	1.8	
		eS	14 27 25	R	0.2	81.7 (0)		
2	14 28 35.7		11.8 N 89.5 W OFF COAST OF EL SALVADOR H =033 KM MAG 3.90- CGS					
2	MN	eP	14 35 44.0	Z	0.9	1.9 (0)	37.0	3.90
2	RK	eP	14 35 59.7	Z	0.8	4.3 (0)	39.0	4.23
							AVG.	4.06
2	DH	eP	15 27 47.0	Z	0.2	58.3 (0)	1.1	
2	BR	eP	15 27 52.9	Z	0.2	17.0 (0)		
2	DH	eS	15 28 11	R	0.2	72.7 (0)	1.1	
2	MN	eP	15 48 12.2	Z	0.2	3.2 (0)	0.6	
		eS	15 48 21	R	0.2	9.7 (0)		
2	MN	eP	16 01 03.5	Z	0.2	12.1 (0)	0.8	
		eS	16 01 14	R	0.2	16.6 (0)		
2	BR	eP	16 09 00.0	Z	0.2	22.7 (0)	0.1	
		eS	16 09 03	T	0.2	69.1 (0)		
2	BR	eP	17 03 04.9	Z	0.2	11.3 (0)		
2	BR	e	17 03 09	R	0.2	12.8 (0)		
2	HW	eP	17 24 18.0	Z	0.2	33.7 (0)	2.5	
		eS	17 24 25	T	0.2	11.5 (1)		
2	DH	eP	18 36 51.0	Z	0.3	25.5 (0)	1.2	
2	BR	eP	18 36 53.8	Z	0.2	21.8 (0)	2.3	
2	DH	eS	18 37 17	R	0.3	12.9 (1)	1.2	
2	BR	eS	18 37 22	R	0.3	20.6 (0)	2.3	
2	DH	eP	18 39 50.8	Z	1.0	20.4 (0)		
2	MN	eP	18 54 42.8	Z	0.2	2.8 (0)	1.1	
		eS	18 54 57	T	0.2	4.0 (0)		

			TIME	INST	PER	AMPL	DIST	MAG
2	BR	eP	19 09 36.0	Z	0.2	19.9 (0)	0.3	
		eS	19 09 41	T	0.2	40.3 (0)		
2	19 26 26.0		06.0 N 125.1 E	MINDANAO, PHIL. ISLANDS				
			H =118 KM MAG	5.00-	CGS			
2	NP	eP	19 39 15.4	JZ	1.1	15.0 (0)	90.0	5.00
2	BR	eP	19 43 28.0	Z	0.2	18.9 (0)	0.3	
		eS	19 43 33	T	0.2	40.3 (0)		
2	MN	eP	19 45 00.0	Z	0.8	1.0 (0)		
2	DR	eLR	20 20 00	LZ	25	14.7 (1)		
2	RK	eP	20 40 23.5	Z	0.7	2.4 (0)		
2	BR	eP	21 05 58.0	Z	0.2	4.7 (0)	1.2	
		eS	21 06 14	R	0.2	10.1 (0)		
2	MN	eP	21 17 18.2	Z	1.2	2.6 (0)		
2	BR	eP	21 22 26.5	Z	0.2	22.7 (0)		
2	DR	eP	21 24 01.1	Z	1.0	4.9 (0)		
2	MN	eP	21 36 35.9	Z	0.7	0.8 (0)		
2	DR	eP	21 50 45.3	Z	0.9	1.9 (0)		
2	22 17 25.6		40.5 N 125.1 W	OFF COAST NORTH CALIFORNIA				
			H =033 KM MAG	5.10-	CGS			
2	MV	eP	22 18 11.9	Z	0.3	5.2 (0)	3.2	4.04
		eS	22 18 49	R	0.3	39.0 (0)		
2	MN	eP	22 18 49.0	Z	0.5	1.6 (0)	5.7	3.77
		eL	22 20 10	R	0.9	18.7 (0)		
2	RK	eP	22 22 40.1	Z	1.0	14.8 (0)	24.0	4.43
2	LC	eLQ	22 23 40	LT	40	11.8 (1)	17.0	
		eLR	22 26 00	LZ	23	10.0 (1)		
							AVG.	4.08
2	DR	eL	22 20 42	R	0.6	2.5 (0)		
2	MN	eP	22 24 03.3	Z	0.4	3.2 (0)	2.4	
		eS	22 24 34	R	0.5	3.6 (0)		
2	MN	eP	22 26 09.5	Z	0.3	3.0 (0)	0.7	
		eS	22 26 19	R	0.3	9.3 (0)		
2	MN	eP	22 31 08.5	Z	0.3	1.8 (0)	2.7	
		eS	22 31 43	R	0.4	6.0 (0)		
2	MV	e	23 11 37	LR	23	29.3 (1)		
2	MV	e	23 13 35	LR	25	23.3 (1)		
2	MV	eL	23 23 10	LR	30	59.7 (1)		
2	DR	eP	23 59 31.5	Z	0.2	14.2 (0)		
3	DR	eP	00 23 30.7	Z	0.2	15.4 (0)	0.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	00 23 43	R	0.3	10.6 (0)		
3	00 37 50.3		37.0 N 88.8 W	ILLINOIS KENTUCKY BORDER				
			H =018 KM MAG	3.60-	CGS			
3	BR	eP	00 39 49.0	Z	0.3	2.1 (0)	8.0	4.74
		eL	00 42 07	T	0.5	27.9 (0)		
3	DH	eP	00 42 45.0	Z	0.3	6.9 (0)		
3	DH	eL	00 43 55	T	0.7	23.0 (0)		
3	01 09 56.*		08.8 S 108.3 W	S. W. OF GALAPAGOS ISLANDS				
			H =033 KM MAG	4.40-	CGS			
3	LC	eP	01 17 39.2	Z	1.0	2.5 (0)	41.0	3.94
		eS	01 23 56	LT	14	37.2 (1)		
		e	01 27 20	LR	23	27.8 (1)		
		eLQ	01 28 16	LR	25	14.5 (2)		
		eLR	01 30 22	LZ	22	47.4 (1)		
3	MN	eP	01 18 34.0	Z	1.2	2.6 (0)	48.0	4.14
		eS	01 25 35	LR	20	18.6 (1)		
		eLQ	01 30 57	LR	30	30.4 (1)		
		eLR	01 33 03	LZ	26	78.8 (1)		
		eL	01 34 00	LZ	20	75.4 (1)		
		eL	01 34 00	LR	22	51.9 (1)		
		eL	01 34 00	LT	20	62.6 (1)		
3	RK	eP	01 20 04.6	Z	1.0	2.4 (0)	60.0	4.22
3	MV	e	01 27 10	LR	28	59.9 (1)	49.0	
		eLR	01 33 30	LZ	24	12.9 (2)		
		eL	01 34 20	LR	22	48.9 (1)		
		eL	01 34 20	LT	20	62.3 (1)		
		eL	01 34 20	LZ	22	13.3 (2)		
		eL	01 42 02	LR	26	50.1 (1)		
3	BR	eLR	01 38 05	LZ	25	19.1 (1)	56.0	
3	DH	eLR	01 40 10	LZ	29	26.1 (1)	59.0	
							AVG.	4.10
3	01 23 16.7		44.9 N 115.4 W	CENTRAL IDAHO				
			H =033 KM MAG	4.00-	CGS			
3	MN	eP	01 49 14.5	Z	0.7	1.6 (0)		
3	03 48 06.4		07.6 S 156.8 E	SOLOMON ISLANDS				
			H =402 KM MAG	5.10-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		E						
3	MV	eP	04 00 16.6	Z	2.3	76.0 (0)	89.0	5.11
		epP	04 01 47	Z	1.2	7.7 (0)		
3	MN	eP	04 00 27.5	Z	1.0	29.0 (0)	91.0	5.16
		e	04 00 53	Z	0.8	2.5 (0)		
		epP	04 01 58	Z	1.0	12.7 (0)		
		epPP	04 05 28	Z	1.7	10.6 (0)		
3	DR	eP	04 01 05.0	Z	0.6	0.5 (0)	99.0	4.13
		epP	04 02 37	Z	1.0	2.4 (0)		
3	LC	epP	04 02 45	Z	0.8	1.5 (0)	99.0	
		eSKS	04 11 16	LR	23	92.8 (0)		
		eSP	04 13 35	LZ	20	17.3 (1)		
		ePSP	04 15 26	LZ	20	96.6 (0)		
		ePPS	04 16 20	LR	23	17.2 (1)		
		eSS	04 19 23	LR	27	22.5 (1)		
		e	04 22 05	LR	22	19.9 (1)		
		eLR	04 37 38	LZ	20	15.5 (1)		
		eL	04 38 45	LZ	21	19.3 (1)		
		eL	04 38 45	LR	20	14.6 (1)		
		eL	04 38 45	LT	22	79.5 (0)		
3	DH	eP'	04 06 16.0	Z	0.7	9.6 (0)	123.0	
							AVG.	4.80

3 06 28 02.5 06.7 S 147.5 E NEAR E. COAST NEW GUINEA
H =083 KM

3	MN	eP	07 23 30.5	Z	1.0	1.7 (0)		

3 10 21 36.6 07.7 N 35.8 W MID ATLANTIC OCEAN
H =033 KM MAG 6.10- CGS

3	DH	eP	10 30 20.1	Z	1.5	12.0 (2)	49.0	6.67
		eP	10 30 21	LZ	17	99.9 (9)		
		e	10 32 27	Z	2.5	10.9 (2)		
		e	10 34 19	R	1.5	11.3 (1)		
		eS	10 37 20	LT	999.9	99.9 (9)		
		eS	10 37 30	R	4.0	18.4 (2)		
		e	10 41 10	LR	999.9	99.9 (9)		
		eLR	10 47 55	LZ	999.9	99.9 (9)		
		eP'P'	11 01 21	Z	1.0	9.7 (0)		
3	BR	eP	10 30 30.6	Z	0.9	99.9 (9)	50.0	
		eP	10 30 32	LZ	22	99.9 (9)		
		eSCP	10 36 03	Z	3.0	10.7 (2)		
		eS	10 37 48	R	5.0	44.9 (2)		
3	LV	eP	10 31 23.0	Z	1.5	14.4 (2)	57.0	6.78
		e	10 31 50	R	1.2	45.6 (1)		
		e	10 32 49	T	1.0	11.4 (1)		
		ePP	10 33 23	Z	2.5	16.0 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	10 39 25	R	3.0	16.4 (2)		
3	RK	eP	10 32 07.6	Z	1.5	61.9 (1)	64.0	6.51
		eP	10 32 08	LZ	22	36.6 (2)		
		e	10 32 17	Z	1.4	40.8 (1)		
		ePP	10 34 23	Z	2.5	73.5 (1)		
		eS	10 40 40	LT	17	99.9 (9)		
		eS	10 40 40	LR	31	15.0 (3)		
		eS	10 40 46	R	3.0	84.0 (1)		
		eS	10 40 46	T	3.5	10.2 (2)		
		ePS	10 41 03	R	3.0	72.8 (1)		
		e	10 42 35	Z	3.8	78.4 (1)		
		eSS	10 44 32	T	3.6	70.3 (1)		
		eSS	10 45 00	LT	21	20.0 (3)		
		eLQ	10 48 10	LT	999.9	99.9 (9)		
		eLR	10 50 40	LZ	999.9	99.9 (9)		
		e	11 01 54	Z	1.5	28.8 (0)		
3	LC	eP	10 32 44.8	Z	1.4	35.3 (1)	70.0	6.20
		eP	10 32 45	LZ	999.9	99.9 (9)		
		e	10 34 16	Z	2.8	72.2 (1)		
		eS	10 41 20	LR	999.9	99.9 (9)		
		eS	10 41 58	T	3.0	27.5 (1)		
		ePS	10 42 16	T	3.5	52.0 (1)		
		e	10 43 14	T	4.6	10.3 (2)		
		eLR	10 45 40	LZ	999.9	99.9 (9)		
		eP'P'	11 00 52	Z	2.0	40.3 (0)		
3	DR	eP	10 32 53.5	Z	1.0	92.2 (0)	71.0	5.76
		eP	10 32 54	LZ	23	26.9 (2)		
		ePP	10 35 34	LZ	20	16.0 (2)		
		ePPP	10 37 30	LZ	25	18.0 (2)		
		eS	10 42 10	LT	22	67.2 (2)		
		eSS	10 46 58	LT	18	55.1 (2)		
		eLR	10 54 00	LZ	999.9	99.9 (9)		
		eP'P'	11 00 52	Z	1.0	2.4 (0)		
3	MN	eP	10 33 40.5	Z	1.5	39.6 (1)	79.0	6.15
		eP	10 33 41	LZ	22	20.7 (2)		
		e	10 34 44	Z	2.0	37.3 (1)		
		ePP	10 36 42	LZ	22	16.5 (2)		
		ePP	10 36 46	Z	2.0	24.5 (1)		
		e	10 36 54	T	3.0	56.9 (1)		
		e	10 42 55	LR	22	17.0 (2)		
		ePS	10 43 43	LR	999.9	99.9 (9)		
		eSP	10 44 23	Z	3.5	62.5 (1)		
		ePKKP	10 52 32	Z	1.0	1.7 (0)		
		eLR	10 58 50	LZ	999.9	99.9 (9)		
		eP'P'	11 00 33	Z	1.5	12.5 (0)		
		eL	11 01 45	Z	30.0	71.2 (3)		
3	NP	eP	10 33 50.1	JZ	1.7	55.2 (1)	81.0	6.24
		eS	10 44 01	T	3.5	91.1 (1)		
3	MV	eP	10 33 53.0	Z	1.5	18.6 (1)	82.0	5.89
		eP	10 33 53	LZ	22	18.9 (2)		
		e	10 35 46	Z	3.5	89.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	10 37 03	LZ	21	25.5 (2)		
		eS	10 44 08	LR	999.9	99.9 (9)		
		eS	10 44 15	R	5.0	13.2 (2)		
		eSKS	10 44 22	T	4.2	61.4 (1)		
		eSS	10 49 47	LT	999.9	99.9 (9)		
		ePKKP	10 52 26	Z	1.0	3.3 (0)		
		eLQ	10 55 35	LT	999.9	99.9 (9)		
		eLR	11 00 10	LZ	999.9	99.9 (9)		
		eP'P'	11 00 34	Z	1.5	14.7 (0)		
		eL	11 05 58	Z	21.0	35.2 (3)		
							AVG.	6.27
3	10 34 25.7		07.8 N 35.9 W MID ATLANTIC OCEAN					
			H =033 KM MAG 4.90- CGS					
3	DH	eP	10 43 10.0	Z	0.7	9.6 (0)	49.0	4.90
3	RK	eP	10 44 57.0	Z	0.7	6.0 (0)	64.0	4.84
3	LC	eP	10 45 34.0	Z	0.7	2.5 (0)	70.0	4.36
3	DR	eP	10 45 43.0	Z	1.0	3.7 (0)	71.0	4.37
3	MN	eP	10 46 30.0	Z	1.0	4.2 (0)	79.0	4.36
							AVG.	4.56
3	BR	e	10 40 53	Z	3.6	75.2 (1)		
3	BR	e	11 01 50	Z	1.8	56.6 (0)		
3	MN	e	11 20 38	Z	2.0	15.9 (0)		
3	MN	e	11 27 32	Z	0.7	0.8 (0)		
3	MN	eP	13 07 21.5	Z	1.0	1.7 (0)		
3	MN	eP	15 17 06.0	Z	0.5	0.6 (0)		
3	MN	eL	15 18 17	T	1.1	5.9 (0)		
3	MV	eP	15 20 59.4	Z	0.2	36.6 (0)		
3	BR	eP	15 21 15.5	Z	0.2	11.3 (0)	0.1	
		eS	15 21 18	T	0.2	31.7 (0)		
3	16 29 35.8		52.0 N 174.3 W ANDREANOF ALEUTIAN ISLANDS					
			H =033 KM MAG 4.40- CGS					
3	MV	eP	16 36 55.0	Z	0.7	2.4 (0)	38.0	4.11
		ePCP	16 39 16	Z	0.9	2.5 (0)		
3	MN	eP	16 37 14.9	Z	1.0	2.5 (0)	41.0	3.94
3	RK	eP	16 38 12.3	Z	1.0	46.5 (0)	48.0	5.46
		e	16 38 26	Z	0.8	20.3 (0)		
3	LC	eP	16 38 41.7	Z	1.0	2.5 (0)	52.0	4.14
		eS	16 46 13	LT	22	14.7 (1)		
		eSS	16 50 06	LR	22	25.2 (1)		
		eLQ	16 53 02	LT	25	31.6 (1)		
		eL	16 53 47	LZ	18	11.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	16 53 47	LT	24	31.7 (1)		
		eL	16 53 47	LR	20	66.7 (0)		
		eLR	16 57 05	LZ	20	16.7 (1)		
3	BR	eP	16 39 56.5	Z	1.1	7.3 (0)	63.0	4.65
3	DR	eLR	16 49 17	LZ	20	98.5 (0)	48.0	
							AVG.	4.46
3	DH	eP	16 40 30.5	Z	1.0	97.2 (0)		
3	DH	e	16 41 17	Z	0.6	56.9 (0)		
3	BR	eP	18 16 03.5	Z	0.2	45.3 (0)	0.4	
		eS	18 16 09	T	0.2	46.7 (0)		
3	BR	eP	19 01 56.6	Z	0.2	34.0 (0)	0.5	
		eS	19 02 04	T	0.2	29.9 (0)		
3	NP	eP	19 42 24.1	JZ	.8	17.2 (0)		
3	20 07 19.9		01.4 N 28.2 W MID ATLANTIC OCEAN					
			H =033 KM MAG 4.40- CGS					
3	RK	eP	20 18 50.5	Z	0.7	1.2 (0)	74.0	3.97
3	MN	eP	20 20 26.0	Z	0.7	0.4 (0)	89.0	3.74
3	LC	eSP	20 29 40	LZ	16	13.5 (1)	79.0	
		e	20 34 40	LZ	20	21.9 (1)		
		eL	20 45 00	LZ	38	49.7 (1)		
3	DR	ePS	20 29 58	LR	16	16.5 (1)	81.0	
		eSS	20 35 06	LR	23	44.5 (1)		
		eLQ	20 40 27	LR	27	24.8 (1)		
		eLR	20 45 19	LZ	33	84.2 (1)		
		eL	20 48 03	LZ	28	42.9 (1)		
		eL	20 48 03	LR	27	34.8 (1)		
		eL	20 48 03	LT	25	12.9 (1)		
3	BR	eLR	20 35 00	LZ	30	95.4 (1)	60.0	
3	MV	eLR	20 51 25	LZ	36	60.0 (1)	92.0	
							AVG.	3.85
3	DH	eP	20 22 41.0	Z	0.8	11.5 (0)		
3	20 26 04.0		30.7 S 178.3 W KERMADEC ISLANDS					
			H =370 KM MAG 5.20- CGS					
3	HW	eP	20 35 32.6	Z	1.0	17.6 (1)	55.0	5.37
3	MV	eP	20 38 48.5	Z	1.0	20.0 (0)	87.0	4.93
		eLR	21 05 53	LZ	27	79.9 (1)		
		eL	21 06 55	LZ	25	77.2 (1)		
		eL	21 06 55	LR	25	17.5 (1)		
		eL	21 06 55	LT	27	72.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN	eP	20 38 55.0	Z	1.0	20.4 (0)	89.0	4.94
		ePP	20 42 32	Z	1.7	10.6 (0)		
		eLR	21 06 20	LZ	28	84.1 (1)		
		eL	21 07 05	LZ	28	65.0 (1)		
		eL	21 07 05	LR	30	28.3 (1)		
		eL	21 07 05	LT	28	95.6 (1)		
3	LC	eP	20 39 12.0	Z	1.2	9.9 (0)	92.0	4.61
		eLR	21 08 18	LZ	32	55.0 (1)		
		eL	21 08 38	LZ	32	55.0 (1)		
		eL	21 08 38	LR	16	15.0 (1)		
		eL	21 08 38	LT	28	46.0 (1)		
3	DR	eLQ	21 06 28	LR	23	23.4 (1)	95.0	
		eLR	21 09 35	LZ	27	83.1 (1)		
		eL	21 11 00	LZ	25	78.0 (1)		
		eL	21 11 00	LR	23	18.7 (1)		
		eL	21 11 00	LT	25	49.2 (1)		
3	RK	eLR	21 17 30	LZ	27	44.3 (1)	110.0	
3	BR	eLR	21 21 25	LZ	27	38.5 (1)	116.0	
3	DH	eLR	21 23 21	LZ	30	48.7 (1)	119.0	
							AVG.	4.96
3	DH	e	20 34 42	LR	31	58.1 (1)		
3	DH	eLR	20 36 10	LZ	20	46.3 (1)		
3	MN	eL	20 50 48	LZ	32	63.5 (1)		
3	MN	eP	21 04 34.5	Z	1.0	1.7 (0)		
3	MV	eP	21 50 02.6	Z	0.2	1.5 (0)	0.4	
		eS	21 50 10	T	0.2	10.2 (0)		
3	RK	eP	21 54 04.5	Z	0.8	2.9 (0)		
4	MV	eP	00 05 21.0	Z	1.0	28.2 (0)		
4	LC	eP	00 05 59.5	Z	1.3	44.0 (0)		
4	DR	eP	00 06 03.8	Z	1.0	11.2 (0)		
4	MV	e	00 07 14	Z	1.1	10.2 (0)		
4	DR	e	00 08 00	Z	1.0	8.7 (0)		
4	BR	eP	01 46 53.3	Z	0.2	0.9 (0)	0.8	
		eS	01 47 04	R	0.5	5.0 (0)		
4	02 13 50.6		42.6 S 83.4 W OFF COAST SOUTHERN CHILE					
			H =033 KM MAG 4.70- CGS					
4	LC	eP	02 25 45.6	Z	1.2	7.8 (0)	78.0	4.61
		eL	02 55 34	LZ	20	10.3 (1)		
4	DR	eP	02 26 13.3	Z	1.2	5.7 (0)	83.0	4.58
		eL	02 56 10	LZ	22	99.1 (0)		
4	MN	eP	02 26 33.0	Z	1.2	6.5 (0)	87.0	4.67
							AVG.	4.62
4	BR	eP	02 24 26.1	Z	0.6	9.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	MN	eP	04 47 45.8	Z	0.2	0.4 (0)	1.9	
		eS	04 48 12	T	0.3	0.7 (0)		
4	MN	eP	04 57 13.1	Z	0.3	3.0 (0)	1.1	
		eS	04 57 28	T	0.3	4.3 (0)		
4	05 40 08.2		46.4 N 153.4 E KURILE ISLANDS					
			H =033 KM MAG 3.90- CGS					
4	07 08 47.1		09.4 S 114.2 E SOUTH OF JAVA					
			H =117 KM MAG 5.50- CGS					
4	MV	eP'	07 27 32.2	Z	1.0	3.3 (0)	122.0	
		eP' AS	07 27 52.0	Z	1.0	6.6 (0)		
		eLR	08 06 10	LZ	30	52.4 (1)		
4	MN	eP'	07 27 37.4	Z	1.1	4.2 (0)	125.0	
		eSKP	07 31 00	Z	1.2	3.9 (0)		
		eL	08 07 15	LZ	30	51.9 (1)		
4	LC	eP'	07 27 50.6	Z	1.0	2.5 (0)	136.0	
		eSKP	07 31 23	Z	1.6	21.9 (0)		
		eL	08 12 50	LZ	32	22.5 (1)		
4	RK	eP'	07 27 52.3	Z	0.7	2.4 (0)	133.0	
		eP' AS	07 28 10.5	Z	1.2	22.8 (0)		
		eSKP	07 31 11	Z	1.2	45.6 (0)		
		eL	08 12 53	LZ	25	41.5 (1)		
4	DR	eP'	07 27 55.0	Z	0.7	1.2 (0)	133.0	
		eP' AS	07 28 14.0	Z	1.4	17.9 (0)		
		eSKP	07 31 13	Z	1.6	34.5 (0)		
		eLR	08 11 30	LZ	35	53.6 (1)		
4	DH	eP'	07 28 17.1	Z	1.2	11.1 (1)	146.0	
		eP' AS	07 28 36.7	Z	1.2	14.2 (1)		
		eSKP	07 31 51	Z	1.4	98.1 (0)		
4	BR	eP'	07 28 20.3	Z	0.8	20.4 (0)	147.0	
		eSKP	07 31 53	Z	1.5	78.8 (0)		
4	LV	eP'	07 28 38.5	Z	1.3	30.8 (1)	147.0	
4	LC	eLR	07 27 50	LZ	22	83.4 (0)		
4	DR	eL	07 31 20	LZ	16	13.9 (1)		
4	HW	eP	07 42 57.1	Z	0.2	16.8 (0)	0.8	
		eS	07 43 09	T	0.3	38.5 (0)		
4	LC	eL	08 54 30	LZ	34	21.4 (1)		
4	09 13 17.8		22.6 S 173.4 E LOYALTY ISLANDS REGION					
			H =072 KM MAG 4.90- CGS					
4	MV	eP	09 25 55.2	Z	0.9	6.3 (0)	86.0	4.60

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	09 53 05	LZ	25	15.5 (1)		
4	MN	eP	09 26 03.6	Z	1.1	5.2 (0)	88.0	4.56
		eLR	09 54 30	LZ	22	88.5 (0)		
4	LC	eP	09 26 30.6	Z	1.0	2.5 (0)	94.0	4.57
		eL	09 58 10	LZ	24	13.4 (1)		
4	DR	eL	09 58 50	LZ	22	99.1 (0)	95.0	
							AVG.	4.57

4 09 54 12.0 07.7 S 129.5 E TANIMBAR ISLANDS REGION
H =195 KM MAG 4.90- CGS

4	MV	eLR	11 12 18	LZ	28	41.6 (1)		
4	MN	e	11 25 05	LR	29	38.3 (1)		
4	MN	eLR	11 35 07	LZ	27	52.4 (1)		

4 11 43 20.3 35.7 N 140.1 E HONSHU, JAPAN
H =068 KM MAG 4.70- CGS

4	NP	eP	11 53 07.5	JZ	.8	4.8 (0)	58.0	4.58
		e	11 53 17	JZ	.8	13.5 (0)		
4	MV	eP	11 54 50.7	Z	0.7	1.6 (0)	72.0	4.06
4	MN	eP	11 55 05.7	Z	0.6	2.1 (0)	77.0	4.24
4	RK	eP	11 55 31.3	Z	1.0	4.9 (0)	82.0	4.39
4	DR	eP	11 55 44.2	Z	0.7	4.3 (0)	84.0	4.59
4	LC	eP	11 56 06.0	Z	0.2	0.6 (0)	88.0	4.37
4	DH	eL	12 22 17	LZ	29	56.9 (1)	96.0	
4	BR	eLR	12 28 53	LZ	29	10.7 (2)	97.0	
							AVG.	4.37

4	RK	eP	12 06 58.8	Z	0.7	27.0 (0)		
4	RK	e	12 07 06	Z	0.7	20.9 (0)		

4 12 07 24.4 04.1 S 80.9 W NEAR NORTH COAST OF PERU
H =034 KM MAG 4.70- CGS

4	BR	eP	12 15 27.9	Z	1.1	18.9 (0)	44.0	4.73
4	LC	eP	12 15 29.0	Z	1.2	13.7 (0)	44.0	4.55
		eP AS	12 15 38.0	Z	1.2	23.4 (0)		4.79
		eS	12 22 08	LT	29	57.4 (1)		
		eLR	12 25 07	LZ	20	19.3 (1)		
		eL	12 32 48	LZ	17	87.2 (1)		
		eL	12 32 48	LR	15	17.3 (2)		
		eL	12 32 48	LT	16	61.8 (1)		
4	DH	eP	12 15 48.8	Z	1.1	25.4 (0)	46.0	5.09

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	DR	eP	12 16 04.7	Z	0.7	2.4 (0)	48.0	4.34
		eP AS	12 16 13.6	Z	1.1	10.8 (0)		4.79
		eS	12 23 10	LT	31	52.2 (1)		
		eSS	12 26 50	LR	23	53.6 (1)		
		eLR	12 32 05	LZ	29	36.4 (1)		
4	MN	eP	12 16 51.9	Z	1.2	17.0 (0)	55.0	4.95
		eP AS	12 17 00.5	Z	1.3	54.1 (0)		5.41
4	MV	eP	12 17 17.0	Z	1.0	6.6 (0)	57.0	4.62
4	NP	eP	12 19 48.0	JZ	1.1	35.2 (0)	83.0	5.40
4	RK	eL	12 36 35	LZ	23	41.7 (1)	56.0	
							AS.	5.00
							AVG.	4.81

4 13 00 44.7 12.6 N 143.8 E MARIANA ISLANDS
H =061 KM MAG 4.60- CGS

4	NP	eP	13 12 46.1	JZ	.8	19.3 (0)	79.0	5.06
4	MN	eP	13 13 32.4	Z	1.0	5.9 (0)	88.0	4.69
		e	13 13 47	Z	1.0	5.1 (0)		
							AVG.	4.87

4	MN	eP	13 04 05.3	Z	0.2	0.8 (0)	0.8	
		eS	13 04 17	T	0.2	2.6 (0)		

4 13 25 52.* 22.8 S 112.6 W EASTER ISLANDS REGION
H =033 KM MAG 4.30- CGS

4	LC	eP	13 35 28.2	Z	1.0	3.8 (0)	55.0	4.38
		eLQ	13 50 27	LR	26	14.3 (1)		
		eLR	13 53 27	LZ	22	21.1 (1)		
4	MN	eP	13 36 06.0	Z	1.0	1.7 (0)	61.0	4.09
4	RK	eP	13 37 33.8	Z	0.5	0.9 (0)	75.0	4.00
							AVG.	4.15

4 15 19 50.* 26.6 S 176.8 W KERMADEC ISLANDS REGION
H =033 KM MAG 4.30- CGS

4	MN	eP	15 32 23.5	Z	1.0	1.7 (0)	85.0	4.13
4	LC	eP	15 32 44.4	Z	0.9	1.9 (0)	89.0	4.30
4	RK	eP	15 33 53.6	Z	1.0	9.9 (0)	105.0	5.72
		e	15 36 41	Z	0.9	7.6 (0)		
							AVG.	4.71

4	RK	eP	17 17 59.6	Z	0.9	9.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	MV	eP	17 35 33.4	Z	0.2	4.7 (0)	1.4	
		eS	17 35 55	R	0.4	43.2 (0)		
4	MN	eP	17 36 01.8	Z	0.2	0.4 (0)	4.8	
		e	17 36 07	Z	0.3	2.7 (0)		
		eS	17 37 00	T	0.4	6.5 (0)		
4	HW	eP	18 53 42.0	Z	999.9	99.9 (9)		
4	LC	eP	21 01 09.6	Z	0.3	14.9 (0)		
4	LC	eP	21 08 36.3	Z	0.2	14.5 (0)	1.4	
		eS	21 08 56	R	0.3	10.0 (0)		
4	MV	eP	21 35 52.8	Z	0.2	1.5 (0)	3.5	
		eS	21 36 37	R	0.3	5.9 (0)		
4	21 40 52.4		05.2 S 145.9 E	NEAR COAST EAST N. GUINEA				
			H =059 KM MAG 4.90- CGS					
4	23 54 14.0		17.5 S 179.1 W	FIJI ISLANDS REGION				
			H =515 KM MAG 5.20- CGS					
5	MN	eP	00 05 29.5	Z	0.9	68.2 (0)	80.0	5.08
		e	00 12 38	LT	27	23.8 (1)		
5	MV	e	00 14 33	LT	19	62.3 (1)		
5	DH	eP	00 14 38.5	Z	1.0	20.1 (0)		
5	MN	e	00 14 50	LT	16	68.9 (1)		
5	MN	e	00 14 51	R	2.5	19.6 (1)		
5	MN	e	00 14 60	R	3.0	25.4 (1)		
5	MV	e	00 18 08	LR	22	48.6 (1)		
5	MN	e	00 18 20	LR	18	62.8 (1)		
5	MN	e	00 19 10	LR	25	37.2 (1)		
5	MN	e	00 26 53	LR	23	32.0 (1)		
5	LC	e	00 28 42	LR	22	33.2 (1)		
5	LC	e	00 30 40	LZ	19	22.2 (1)		
5	MN	e	00 32 10	Z	1.2	2.6 (0)		
5	MN	eLR	00 33 15	LZ	15	17.1 (1)		
5	LC	eLR	00 33 20	LZ	20	70.8 (0)		
5	DH	eP	01 29 48.2	Z	1.4	72.0 (0)		
5	MN	eP	01 31 03.9	Z	1.0	1.7 (0)		
5	LC	eP	01 31 59.5	Z	0.7	0.6 (0)		
5	02 48 41.5		17.2 N 99.8 W	NEAR COAST GUERRERO, MEX.				
			H =033 KM MAG 4.30- CGS					
5	LC	eP	02 52 32.2	Z	1.0	19.0 (0)	16.0	4.21
		e	02 52 46	LR	35	43.1 (1)		
		eL	02 57 34	Z	1.1	1.5 (0)		
		eLR	02 57 45	LZ	27	19.0 (1)		
		eL	02 59 10	LZ	18	36.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	02 59 10	LR	18	32.7 (1)		
		eL	02 59 10	LT	17	22.9 (1)		
5	DR	eP	02 53 29.2	Z	1.0	6.2 (0)	21.0	3.89
5	MN	eP	02 54 20.3	Z	1.0	12.7 (0)	27.0	4.54
5	NP	eP	02 58 47.0	JZ	.8	6.7 (0)	59.0	4.72
							AVG.	4.34
5	MN	eP	03 09 54.7	Z	0.2	13.4 (0)	1.3	
5	MV	eP	03 09 55.4	Z	0.2	8.8 (0)	1.8	
5	MN	eS	03 10 11	R	0.2	19.9 (0)	1.3	
5	MV	eS	03 10 13	R	0.2	14.6 (0)	1.8	
5	LC	eP	04 13 33.2	Z	0.8	1.5 (0)		
5	DH	eP	04 17 21.0	Z	1.3	58.1 (0)		
5	DH	e	04 18 37	Z	1.0	20.1 (0)		
5	NP	eP	04 50 24.6	JZ	.8	4.8 (0)		
5	MN	eP	06 29 05.5	Z	1.0	1.7 (0)		
5	DH	eP	06 48 19.3	Z	1.0	40.3 (0)		
5	07 41 37.9		27.2 S 178.0 W	KERMADEC ISLANDS REGION				
			H =033 KM MAG 4.20- CGS					
5	MV	eP	07 54 10.0	Z	0.7	1.8 (0)	85.0	4.32
5	MN	eP	07 54 17.2	Z	1.0	1.7 (0)	86.0	4.06
		e	07 54 35	Z	1.3	6.5 (0)		
5	LC	eP	07 54 38.0	Z	0.9	0.9 (0)	90.0	4.00
							AVG.	4.12
5	08 46 59.7		09.9 S 79.0 W	NEAR COAST OF PERU				
			H =031 KM MAG 4.80- CGS					
5	BR	eP	08 55 49.0	Z	1.0	9.3 (0)	50.0	4.66
5	LC	eP	08 55 51.1	Z	0.9	7.8 (0)	50.0	4.63
		eP AS	08 56 04.5	Z	1.1	14.1 (0)		4.80
		eLR	09 12 10	LZ	27	88.2 (0)		
5	DR	eP	08 56 25.5	Z	1.0	2.5 (0)	54.0	4.19
		eLR	09 24 07	LZ	30	14.6 (1)		
5	MN	eP	08 57 09.0	Z	1.0	9.3 (0)	60.0	4.80
		eP AS	08 57 21.0	Z	1.0	12.7 (0)		4.93
		eLR	09 20 50	LZ	27	11.5 (1)		
5	RK	eP	08 57 16.5	Z	0.9	23.0 (0)	62.0	5.34
		eP AS	08 57 28.5	Z	0.7	18.6 (0)		5.36
5	MV	eP	08 57 36.5	Z	1.1	9.1 (0)	63.0	4.75
5	NP	eP	08 59 53.2	JZ	.8	7.7 (0)	89.0	4.95
		e	09 00 05	JZ	1	19.9 (0)		
		e	09 27 22	JZ	.5	1.3 (0)		
							AS.	5.03

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG. 4.76	
5	BR	eP	08 55 06.0	Z	0.9	10.0 (0)		
5	DR	eP	08 55 54.5	Z	0.9	0.9 (0)		
5	MN	eP	08 56 14.7	Z	0.9	1.9 (0)		
5	NP	eP	11 22 26.5	JZ	.7	3.5 (0)		
5	15 39 07.0		60.7 S 154.3 E MACQUARIE ISLAND REGION H =033 KM MAG 4.20- CGS					
5	MN	eP'	15 58 04.0	Z	0.9	1.9 (0)	121.0	
		e	16 07 47	LR	25	19.5 (1)		
		eSS	16 16 25	LR	26	87.8 (1)		
		eSSS	16 20 38	LR	28	74.2 (1)		
		eLQ	16 29 10	LR	44	24.8 (2)		
		eL	16 30 22	LZ	22	19.9 (1)		
		eL	16 30 22	LR	29	13.7 (2)		
		eL	16 30 22	LT	26	19.2 (1)		
		eLR	16 33 15	LZ	25	43.3 (1)		
5	MV	eP'	15 58 06.5	Z	1.0	5.5 (0)	121.0	
		e	16 07 40	LR	25	14.8 (1)		
		eSS	16 16 12	LR	25	65.0 (1)		
		eSSS	16 20 28	LR	27	65.3 (1)		
		eLQ	16 28 50	LR	35	16.1 (2)		
		eLR	16 34 20	LZ	24	84.2 (1)		
		eL	16 35 45	LZ	23	90.8 (1)		
		eL	16 35 45	LR	18	15.3 (1)		
		eL	16 35 45	LT	24	69.5 (1)		
5	DR	eP'	15 58 12.2	Z	0.9	1.9 (0)	126.0	
		eSS	16 17 13	LR	28	80.5 (1)		
		eSSS	16 21 52	LR	27	65.3 (1)		
		e	16 28 58	LR	25	28.3 (1)		
		eLQ	16 31 30	LR	43	37.6 (2)		
		eLR	16 36 43	LZ	33	54.9 (1)		
		eL	16 39 42	LZ	24	89.7 (1)		
		eL	16 39 42	LR	18	27.8 (1)		
		eL	16 39 42	LT	25	81.5 (1)		
5	DH	eP'	15 58 42.5	Z	1.2	31.0 (0)	145.0	
		eLR	16 51 05	LZ	28	16.5 (2)		
5	NP	eP'	15 58 42.7	JZ	.9	3.3 (0)	147.0	
5	LC	eSKS	16 05 05	LT	22	86.4 (0)	122.0	
		ePS	16 09 38	LT	20	32.9 (1)		
		eSS	16 16 32	LR	25	91.1 (1)		
		eLQ	16 30 30	LR	34	13.7 (2)		
		eLR	16 35 12	LZ	27	88.2 (1)		
		eL	16 37 00	LZ	25	90.5 (1)		
		eL	16 37 00	LR	25	23.1 (1)		
		eL	16 37 00	LT	23	74.7 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	MN	eP	15 51 18.0	Z	0.2	2.4 (0)	0.6	
		eS	15 51 27	T	0.2	11.3 (0)		
5	RK	eP	17 55 51.5	Z	1.0	7.5 (0)		
5	RK	eP	18 03 02.3	Z	0.7	1.2 (0)		
5	HW	eP	18 15 34.1	Z	0.2	33.7 (0)	0.8	
		eS	18 15 45	T	0.2	34.2 (1)		
5	BR	eP	18 49 10.5	Z	0.2	26.6 (0)	0.1	
		eS	18 49 12	R	0.2	43.2 (0)		
5	BR	eP	18 56 55.0	Z	0.3	11.9 (0)	0.6	
		eS	18 57 05	R	0.3	20.2 (0)		
5	20 05 06.3		37.0 N 95.8 E TSINGHAI PROVINCE, CHINA H =033 KM MAG 4.60- CGS					
5	BR	eP	20 47 04.8	Z	0.2	33.7 (0)	0.1	
		eS	20 47 09	T	0.2	45.3 (0)		
5	BR	eP	21 11 53.5	Z	0.2	10.6 (0)	0.4	
		eS	21 12 00	R	0.2	16.2 (0)		
5	RK	eP	21 32 00.5	Z	0.3	0.8 (0)	2.4	
		eS	21 32 31	R	0.2	10.1 (0)		
5	MN	eP	21 33 08.0	Z	0.2	17.4 (0)	1.4	
		eS	21 33 26	R	0.2	24.9 (0)		
5	MV	eP	21 33 46.0	Z	0.3	1.9 (0)	2.1	
		eS	21 34 14	T	0.3	11.9 (0)		
5	BR	eP	23 19 18.4	Z	0.2	14.2 (0)	0.1	
		eS	23 19 21	R	0.2	41.4 (0)		
5	MN	eP	23 47 30.0	Z	0.2	4.4 (0)	1.0	
		eS	23 47 44	R	0.2	14.1 (0)		
6	LC	eP	01 04 41.8	Z	0.8	2.2 (0)		
6	RK	eP	01 05 45.0	Z	0.7	4.9 (0)		
6	BR	eP	01 15 12.5	Z	0.9	7.2 (0)		
6	BR	e	01 15 28	Z	0.7	4.7 (0)		
6	01 34 22.2		11.3 S 167.1 E SANTA CRUZ ISLANDS REGION H =033 KM					
6	MN	eL	02 14 35	LZ	25	10.9 (1)	85.0	
6	LC	eL	02 17 42	LZ	22	65.3 (0)	93.0	
6	MV	eP	01 49 33.8	Z	0.2	2.3 (0)	0.6	
		eS	01 49 42	T	0.3	7.0 (0)		
6	LC	eP	01 59 44.2	Z	0.8	1.5 (0)		
6	05 20 32.0		45.1 N 111.4 W SOUTHWESTERN MONTANA H =033 KM MAG 3.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6			09 28 30.0 38.1 S 72.3 W CENTRAL CHILE H =096 KM MAG 4.80- CGS					
6	LC	eP	09 40 14.1	Z	0.9	9.7 (0)	77.0	4.64
		eL	10 06 11	LZ	26	80.4 (0)		
		eL	10 10 26	LZ	17	23.4 (1)		
		eL	10 10 26	LR	16	25.8 (1)		
		eL	10 10 26	LT	15	21.4 (1)		
6	DH	eP	09 40 32.5	Z	0.7	10.3 (0)	80.0	4.77
6	DR	eP	09 40 41.2	Z	0.8	3.0 (0)	82.0	4.18
		eLR	10 10 40	LZ	20	12.4 (1)		
6	MN	eP	09 41 06.3	Z	0.9	2.5 (0)	87.0	4.26
6	MV	eP	09 41 13.8	Z	0.7	0.8 (0)	89.0	3.97
							AVG.	4.36
6	BR	eP	10 32 09.1	Z	0.3	4.7 (0)	0.4	
		eS	10 32 15	R	0.3	6.8 (0)		
6			13 36 35.6 57.0 N 33.6 W NORTH ATLANTIC OCEAN H =033 KM MAG 5.10- CGS					
6	DH	eP	13 42 46.0	Z	1.0	10.3 (0)	30.0	4.58
		eP	13 42 47	LZ	15	23.7 (1)		
		e	13 48 45	LT	23	57.6 (1)		
		eL	13 51 15	LZ	27	25.2 (2)		
		eL	13 53 00	LZ	19	56.1 (2)		
		eL	13 53 00	LR	19	32.0 (2)		
		eL	13 53 00	LT	19	31.3 (2)		
6	BR	eP	13 43 15	LZ	11	63.6 (1)	34.0	
		e	13 44 10	LZ	15	35.4 (1)		
		eLR	13 52 38	LZ	34	36.3 (2)		
6	NP	eP	13 43 23.3	JZ	1.5	48.3 (0)	35.0	5.20
		e	13 43 27	JZ	1.6	12.2 (1)		
		ePP	13 43 49	JZ	1.5	32.2 (0)		
6	DR	eP	13 45 38.7	Z	1.2	13.7 (0)	51.0	4.79
		eP	13 45 40	LZ	11	26.2 (1)		
		ePP	13 47 40	LZ	14	18.0 (1)		
		eS	13 52 58	LT	20	85.8 (1)		
		eLR	14 00 35	LZ	37	13.3 (2)		
		eL	14 05 38	LZ	19	33.3 (2)		
		eL	14 05 38	LR	19	53.5 (1)		
		eL	14 05 38	LT	20	17.1 (2)		
6	LC	eP	13 46 01.4	Z	1.1	4.7 (0)	54.0	4.43
		eP	13 46 02	LZ	17	11.7 (1)		
		ePP	13 48 06	LZ	19	84.9 (0)		
		ePP	13 48 08	Z	1.3	9.7 (0)		
		eS	13 53 45	LT	23	11.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	14 02 06	LZ	31	73.3 (1)		
6	MN	eP	13 46 12.1	Z	1.2	6.3 (0)	56.0	4.52
		eP	13 46 15	LZ	19	79.5 (0)		
		eS	13 54 10	LT	23	60.5 (1)		
		eLR	14 03 00	LZ	36	14.4 (2)		
		eL	14 09 33	LZ	18	42.7 (2)		
		eL	14 09 33	LR	15	17.9 (2)		
		eL	14 09 33	LT	18	34.7 (2)		
6	MV	eP	13 46 18.6	Z	1.0	4.9 (0)	57.0	4.49
		eP	13 46 20	LZ	14	11.9 (1)		
		ePPP	13 49 45	LZ	14	19.9 (1)		
		eS	13 54 14	LT	24	53.9 (1)		
		eS	13 54 14	LR	21	20.3 (1)		
		eLQ	14 01 37	LT	21	47.8 (1)		
		eLR	14 04 15	LZ	36	13.2 (2)		
		eL	14 10 05	LZ	17	30.0 (2)		
		eL	14 10 05	LR	16	14.0 (2)		
		eL	14 10 05	LT	16	24.7 (2)		
							AVG.	4.66
6	BR	eP	14 44 16.2	Z	1.0	17.0 (0)		
6	MN	eP	16 46 36.2	Z	0.4	3.4 (0)	3.4	
		eS	16 47 18	R	0.4	7.2 (0)		
6	LC	eL	17 05 05	LZ	19	70.8 (0)		
6	LC	eP	18 23 19.0	Z	0.3	11.8 (0)	1.4	
		eS	18 23 38	R	0.3	8.3 (0)		
6	DH	eP	18 24 54.9	Z	0.2	4.9 (0)	1.7	
		eS	18 25 18	R	0.3	13.7 (0)		
6	RK	eP	18 34 48.7	Z	0.7	8.6 (0)		
6	MN	eP	18 37 43.0	Z	0.6	2.0 (0)		
6	DR	eP	20 34 30.5	Z	0.3	1.8 (0)	2.2	
		eS	20 34 59	R	0.3	3.1 (0)		
6			20 40 10.2 53.9 N 160.7 E NEAR EAST COAST KAMCHATKA H =140 KM MAG 4.10- CGS					
6	DH	eP	20 45 20.7	Z	0.3	3.7 (0)	1.5	
		eS	20 45 52	R	0.4	16.5 (0)		
6	BR	eP	21 37 26.5	Z	0.2	3.6 (0)	4.3	
		eS	21 38 19	T	0.3	10.3 (0)		
6	DR	eP	22 16 10.0	Z	0.2	1.8 (0)	0.7	
		eS	22 16 21	R	0.3	2.2 (0)		
6	MV	eP	22 31 51.3	Z	0.2	1.5 (0)	1.3	
		eS	22 32 09	R	0.2	3.1 (0)		
6	DH	eP	23 03 24.4	Z	0.3	11.1 (0)	1.5	
		eS	23 03 44	R	0.4	13.2 (0)		
6			23 38 46.3 33.8 N 116.7 W RIVERSIDE CTY, CALIFORNIA H =014 KM MAG 5.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	MN	eP	23 40 14.4	Z	0.8	6.8 (0)	4.8	4.03
		eS	23 41 18	T	0.7	3.8 (0)		
6	DR	eL	23 42 25	T	0.3	1.8 (0)	8.0	
7	MV	eP	02 40 41.1	Z	0.2	2.4 (0)	1.1	
		eS	02 40 58	T	0.3	4.1 (0)		
7	DR	eP	02 56 43.1	Z	0.7	1.2 (0)		
7	MN	eP	03 03 09.3	Z	0.3	2.7 (0)	1.7	
		eS	03 03 33	R	0.4	4.2 (0)		
7	LC	e	04 20 55	LR	19	13.4 (1)		
7	04 26 23.4		21.8 S 173.5 E LOYALTY ISLANDS REGION					
			H =106 KM MAG 4.50- CGS					
7	MV	eP	04 38 54.5	Z	0.8	3.9 (0)	86.0	4.39
7	MN	eP	04 39 03.2	Z	1.1	4.2 (0)	88.0	4.37
7	LC	eP	04 39 30.0	Z	1.0	2.5 (0)	93.0	4.49
7	DH	eLR	05 21 35	LZ	20	24.0 (1)	120.0	
7	BR	eLR	05 22 25	LZ	28	16.1 (1)	117.0	
							AVG.	4.41
7	04 33 42.7		54.0 N 142.1 E SAKHALIN ISLAND					
			H =033 KM MAG 5.10- CGS					
7	NP	eP	04 41 18.7	JZ	.9	8.7 (0)	40.0	4.45
		ePP	04 42 55	JZ	1.1	8.6 (0)		
7	MV	eP	04 44 07.0	Z	1.0	6.7 (0)	63.0	4.66
		eLR	05 05 43	LZ	29	55.7 (1)		
7	MN	eP	04 44 21.5	Z	1.0	6.8 (0)	65.0	4.73
		e	05 02 30	LR	29	24.2 (1)		
		eLR	05 06 30	LZ	27	43.5 (1)		
7	RK	eP	04 44 23.8	Z	0.8	13.1 (0)	66.0	5.11
		eL	05 07 40	LR	24	50.4 (1)		
7	DR	eP	04 44 58.8	Z	1.1	18.6 (0)	71.0	5.03
		eLR	05 10 32	LZ	28	29.8 (1)		
7	LC	eP	04 45 25.9	Z	1.0	12.7 (0)	76.0	4.90
		eLQ	05 06 15	LR	22	19.2 (1)		
		eLR	05 09 30	LZ	26	22.3 (1)		
7	BR	eP	04 45 49.4	Z	1.2	11.6 (0)	80.0	4.65
							AVG.	4.79
7	07 17 25.8		07.5 N 37.2 W ATLANTIC OCEAN					
			H =033 KM MAG 4.60					
7	DH	eP	07 26 03.7	Z	0.7	5.0 (0)	48.0	4.66

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	07 28 10	LR	22	44.5 (1)		
		eLQ	07 38 00	LT	21	34.8 (1)		
		eLR	07 39 50	LZ	24	39.7 (1)		
7	BR	eP	07 26 18.6	Z	0.9	5.8 (0)	49.0	4.57
		eLR	07 40 23	LZ	25	33.6 (1)		
7	RK	eP	07 27 51.2	Z	1.1	9.1 (0)	63.0	4.75
7	LC	eP	07 28 28.1	Z	0.8	1.5 (0)	69.0	4.14
		e	07 35 48	LR	21	18.6 (1)		
		eSS	07 42 25	LR	22	11.7 (1)		
		eLQ	07 46 10	LT	20	22.9 (1)		
		eLR	07 49 50	LZ	30	18.0 (1)		
		eL	07 55 09	LZ	21	28.3 (1)		
		eL	07 55 09	LR	20	34.5 (1)		
		eL	07 55 09	LT	21	21.8 (1)		
7	DR	eP	07 28 44.8	Z	0.9	1.9 (0)	70.0	4.13
		eLQ	07 47 40	LT	34	57.9 (1)		
		eLR	07 50 50	LZ	33	47.6 (1)		
7	MN	eP	07 29 25.6	Z	0.9	1.3 (0)	78.0	3.96
		e	07 53 15	LR	29	24.2 (1)		
		eLR	07 57 33	LZ	30	48.3 (1)		
7	NP	eP	07 29 37.7	JZ	1	7.3 (0)	81.0	4.59
7	MV	eLR	07 58 20	LZ	28	31.4 (1)	81.0	
							AVG.	4.40
7	NP	eP	07 21 37.7	JZ	.7	3.4 (0)		
7	MN	eP	08 24 14.6	Z	0.2	4.8 (0)	0.7	
		eS	08 24 25	R	0.3	99.9 (9)		
7	09 35 38.2		14.6 N 91.3 W GUATEMALA					
			H =245 KM MAG 3.90- CGS					
7	LC	eP	09 40 17.4	Z	0.5	0.9 (0)	23.0	3.54
		ePP	09 40 55	Z	1.0	3.8 (0)		
7	MN	eP	09 41 58.0	Z	0.7	1.6 (0)	34.0	3.73
7	RK	eP	09 42 17.8	Z	0.8	8.7 (0)	36.0	4.39
							AVG.	3.88
7	11 15 07.6		20.0 S 178.3 W FIJI ISLANDS					
			H =600 KM MAG 4.50- CGS					
7	MV	eP	11 26 15.1	Z	0.8	6.9 (0)	79.0	4.14
7	MN	eP	11 26 22.7	Z	1.1	11.5 (0)	81.0	4.22
7	LC	eP	11 26 48.7	Z	0.6	0.5 (0)	86.0	3.44
							AVG.	3.93
7	11 16 48.6		20.1 S 178.4 W FIJI ISLANDS					
			H =600 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	MN	eP	11 28 04.0	Z	1.0	3.4 (0)	81.0	3.73
7	LC	eP	11 28 30.0	Z	1.3	9.7 (0)	86.0	4.37
							AVG.	4.05
7	MN	eP	12 18 51.3	Z	0.7	0.8 (0)		
7	13 10 42.*		53.3 N 164.1 E OFF E. COAST OF KAMCHATKA					
			H =033 KM MAG 4.30- CGS					
7	13 56 50.*		18.2 S 177.9 W FIJI ISLANDS REGION					
			H =508 KM MAG 3.90- CGS					
7	DH	eP	15 33 26.1	Z	0.3	29.2 (0)	1.8	
7	BR	eP	15 33 32.4	Z	0.3	6.1 (0)	2.3	
7	DH	eS	15 33 51	R	0.4	76.2 (0)	1.8	
7	BR	eS	15 34 02	R	0.4	24.5 (0)	2.3	
7	BR	eP	15 38 39.3	Z	0.3	28.5 (0)	0.7	
		eS	15 38 49	R	0.4	16.5 (0)		
7	15 38 58.7		21.2 S 177.8 W FIJI ISLANDS					
			H =352 KM MAG 4.40- CGS					
7	MN	eP	15 50 39.4	Z	0.9	3.2 (0)	82.0	4.10
7	LC	eP	15 51 04.9	Z	0.8	1.5 (0)	86.0	3.87
							AVG.	3.98
7	BR	eP	15 43 43.5	Z	0.3	3.3 (0)	0.6	
		eS	15 43 52	R	0.4	7.9 (0)		
7	BR	eP	15 50 14.2	Z	0.3	4.7 (0)	2.2	
		eS	15 50 44	R	0.4	5.9 (0)		
7	BR	eP	16 10 51.6	Z	0.2	6.3 (0)	1.8	
		eS	16 11 16	R	0.3	8.9 (0)		
7	RK	eL	16 20 33	R	0.4	30.8 (0)		
7	DH	eP	16 20 45.5	Z	0.2	4.8 (0)	1.2	
		eS	16 21 03	R	0.4	13.2 (0)		
7	DH	eP	16 53 49.5	Z	0.2	58.4 (0)	1.7	
7	BR	eP	16 53 55.0	Z	0.3	6.1 (0)	2.3	
7	DH	eS	16 54 13	R	0.2	64.1 (0)	1.7	
7	BR	eS	16 54 25	R	0.4	17.2 (0)	2.3	
7	RK	eP	17 04 30.3	Z	0.2	4.6 (0)	2.3	
		eS	17 05 01	R	0.3	47.9 (0)		
7	17 13 18.4		56.1 S 27.0 W SANDWICH ISLANDS					
			H =033 KM MAG 5.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	NP	eP'1	17 32 47.0	JZ	1	9.7 (0)	144.0	
		e	17 33 23	JZ	1.2	8.2 (0)		
		e	17 37 10	T	1.2	9.1 (0)		
7	LC	eP	18 09 25.7	Z	0.2	25.4 (0)	1.4	
		eS	18 09 45	T	0.2	19.4 (0)		
7	LC	eP	18 21 43.2	Z	0.3	0.9 (0)		
7	LC	eL	18 23 42	T	0.5	2.7 (0)		
7	DR	eL	18 24 52	R	0.7	1.8 (0)		
7	18 36 46.6		13.6 N 90.9 W NEAR S. COAST OF GUATEMALA					
			H =067 KM MAG 4.70- CGS					
7	LC	eP	18 41 54.6	Z	1.0	30.5 (0)	24.0	4.71
7	DR	eP	18 42 35.0	Z	0.7	1.8 (0)	28.0	3.89
		e	18 45 50	Z	0.8	2.9 (0)		
		eLR	18 53 43	LZ	25	34.4 (1)		
7	BR	eP	18 42 36.4	Z	0.9	10.2 (0)	28.0	4.52
		e	18 47 40	LZ	25	50.4 (1)		
		eLR	18 51 07	LZ	30	15.3 (2)		
7	DH	eP	18 43 05.9	Z	0.8	12.1 (0)	32.0	4.74
		e	18 49 03	LT	25	68.9 (1)		
		eLR	18 53 13	LZ	26	98.2 (1)		
		eL	18 57 10	LZ	17	65.5 (2)		
		eL	18 57 10	LR	17	18.8 (2)		
		eL	18 57 10	LT	17	32.9 (2)		
7	MN	eP	18 43 33.2	Z	1.0	26.4 (0)	34.0	5.05
		ePCP	18 46 08	Z	0.8	5.0 (0)		
		eLR	18 55 25	LZ	25	65.8 (1)		
		eL	19 01 20	LZ	15	34.2 (2)		
		eL	19 01 20	LR	15	30.2 (2)		
		eL	19 01 20	LT	15	21.0 (2)		
7	MV	eP	18 43 52.9	Z	1.0	5.0 (0)	37.0	4.33
		ePCP	18 46 14	Z	0.8	2.9 (0)		
7	NP	eP	18 47 16.3	JZ	.6	12.7 (0)	64.0	5.12
							AVG.	4.62
7	BR	eP	18 44 31.8	Z	0.3	3.3 (0)	2.2	
		e	18 44 39	Z	0.3	6.1 (0)		
		eS	18 44 59	T	0.4	18.4 (0)		
7	BR	eP	19 01 30.0	Z	0.2	3.6 (0)	1.2	
		eS	19 01 45	R	0.3	14.4 (0)		
7	DH	eP	19 30 35.1	Z	0.2	9.7 (0)	1.5	
		eS	19 30 55	R	0.3	10.3 (0)		
7	BR	eP	19 31 19.8	Z	0.3	2.7 (0)	2.4	
		eS	19 31 51	R	0.4	42.4 (0)		
7	NP	eP	20 52 53.2	JZ	1	14.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	BR	eP	21 18 01.5	Z	0.3	30.5 (0)	0.2	
		eS	21 18 06	T	0.4	32.2 (0)		
7	BR	eP	21 19 28.1	Z	0.2	6.3 (0)	0.6	
		eS	21 19 38	R	0.4	13.2 (0)		
7	DR	eP	21 50 34.5	Z	0.2	1.1 (0)	0.5	
		eS	21 50 45	R	0.3	2.6 (0)		
7	MV	eP	22 04 30.8	Z	0.3	3.6 (0)	0.4	
		eS	22 04 38	R	0.3	7.8 (0)		
7	MN	eP	23 15 20.8	Z	0.8	1.5 (0)		
8	NP	eP	00 23 44.6	JZ	.6	5.4 (0)		
8	MV	eP	00 33 46.6	Z	1.0	5.0 (0)		
8	MN	eP	01 05 29.6	Z	0.2	5.5 (0)	0.3	
		eS	01 05 35	R	0.2	12.0 (0)		
8	02 14 54.4		54.2 N 168.1 E FOX ALEUTIAN ISLANDS					
			H =033 KM MAG 5.50- CGS					
8	NP	eP	02 21 37.6	JZ	.5	21.6 (0)	34.0	5.30
		eS	02 27 00	R	0.7	9.0 (0)		
		eS	02 27 01	T	0.6	4.3 (0)		
		e	02 27 21	R	1.3	25.3 (0)		
		eSCP	02 27 57	JZ	1.5	56.1 (0)		
		e	02 28 14	JZ	1.5	42.0 (0)		
		e	02 31 56	JZ	2.1	15.7 (1)		
8	HW	eP	02 23 00.0	Z	0.9	89.4 (0)	44.0	5.49
8	MV	eP	02 23 36.0	Z	1.3	96.4 (0)	49.0	5.63
		eP	02 23 40	LZ	23	58.2 (1)		
		eSCP	02 28 54	Z	1.0	6.6 (0)		
		eS	02 30 42	LR	27	22.4 (2)		
		eLR	02 37 58	LZ	26	39.6 (2)		
		eL	02 39 33	LZ	22	50.7 (2)		
		eL	02 39 33	LR	20	33.9 (2)		
		eL	02 39 33	LT	20	15.7 (2)		
8	MN	eP	02 23 54.6	Z	1.0	43.1 (0)	51.0	5.36
		eP	02 23 56	LZ	20	58.1 (1)		
		e	02 23 57	Z	1.0	24.9 (0)		
		eSCP	02 29 03	Z	1.8	19.7 (0)		
		eS	02 31 23	LR	25	20.5 (2)		
		e	02 32 55	LR	22	11.2 (2)		
		eLQ	02 34 55	LR	22	22.8 (2)		
		eLR	02 35 16	LZ	25	99.9 (9)		
8	RK	eP	02 24 24.2	Z	1.0	13.4 (1)	55.0	5.92
		e	02 28 13	Z	1.0	9.8 (0)		
		eS	02 32 05	T	1.5	14.7 (2)		
		eS	02 32 10	LR	22	25.5 (2)		
		eS	02 32 10	LT	17	25.5 (2)		
		eSCS	02 34 06	R	1.9	10.3 (1)		
		eSCS	02 34 10	LR	20	12.1 (2)		
8	DR	eP	02 24 42.5	Z	1.3	56.4 (0)	57.0	5.43

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	02 24 48	LZ	20	41.8 (1)		
		e	02 24 51	Z	1.3	70.5 (0)		
		ePS	02 32 41	T	3.0	13.5 (1)		
		ePS	02 32 43	LR	29	16.7 (2)		
		eSCS	02 34 30	LT	11	38.6 (2)		
		e	02 36 45	LR	25	11.3 (2)		
		e	02 38 21	LZ	21	11.0 (2)		
		eLR	02 43 22	LZ	27	34.8 (2)		
		eL	02 44 46	LZ	27	36.3 (2)		
		eL	02 44 46	LR	27	24.7 (2)		
		eL	02 44 46	LT	25	10.6 (2)		
		eP'P'	02 54 27	Z	1.5	7.1 (0)		
8	LC	eP	02 25 12.0	Z	1.0	67.1 (0)	62.0	5.76
		eP	02 25 12	LZ	20	44.6 (1)		
		ePP	02 27 40	LZ	20	13.0 (1)		
		eS	02 33 34	LT	999.9	99.9 (9)		
		eSS	02 38 02	LR	22	99.9 (9)		
		eLR	02 44 48	LZ	999.9	99.9 (9)		
		eP'P'	02 54 19	Z	1.0	2.5 (0)		
8	DH	eP	02 26 02.3	Z	1.0	63.6 (0)	70.0	5.60
		eS	02 35 07	LT	25	42.6 (1)		
		eS	02 35 07	LR	23	96.2 (1)		
		eSCS	02 36 00	LT	19	49.8 (1)		
		e	02 38 45	LT	18	25.2 (1)		
		eSS	02 39 45	LT	18	72.0 (1)		
		eLQ	02 43 12	LR	28	19.2 (2)		
		eL	02 49 35	LR	28	25.6 (2)		
		eP'P'	02 54 11	Z	1.0	10.6 (0)		
		eL	02 57 50	LZ	19	54.5 (2)		
8	BR	eP	02 26 03.8	Z	1.2	45.0 (0)	70.0	5.37
		e	02 43 50	LZ	21	79.6 (1)		
		eP'P'	02 54 02	Z	1.0	7.8 (0)		
		eLR	02 55 16	LZ	20	23.3 (2)		
8	LV	eP	02 26 04.5	Z	1.0	64.1 (0)	70.0	5.60
							AVG.	5.54
8	03 09 51.7		29.8 N 138.8 E SOUTH OF HONSHU, JAPAN					
			H =458 KM MAG 3.80- CGS					
8	NP	eP	03 19 41.2	JZ	.6	7.7 (0)	64.0	4.45
8	MN	eP	06 34 59.0	Z	1.0	1.6 (0)		
8	09 54 42.8		45.2 N 111.5 W SOUTHWESTERN MONTANA					
			H =033 KM					
8	10 58 23.1		35.9 S 103.6 W EASTER ISLAND REGION					
			H =033 KM MAG 4.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	LC	eP	11 09 20.0	Z	0.8	8.4 (0)	68.0	4.88
		ePCP	11 09 35	Z	1.0	6.4 (0)		
8	DR	eP	11 09 51.0	Z	0.8	4.3 (0)	73.0	4.53
8	MN	eP	11 10 03.9	Z	0.8	11.7 (0)	75.0	4.90
8	MV	eP	11 10 11.2	Z	0.7	4.1 (0)	77.0	4.57
8	BR	eP	11 10 21.0	Z	0.9	6.0 (0)	79.0	4.55
8	DH	eP	11 10 41.0	Z	1.0	10.6 (0)	82.0	4.82
		eL	11 37 00	LZ	20	53.1 (1)		
8	RK	eP	11 11 03.2	Z	0.8	4.3 (0)	87.0	4.66
							AVG.	4.70

8 11 16 11.2 05.8 S 151.0 E NEW BRITAIN
H =048 KM MAG 5.60- CGS

8	HW	eP	11 26 04.0	Z	0.9	89.4 (0)	58.0	5.79
8	MV	eP	11 29 16.0	Z	1.2	18.0 (0)	92.0	5.27
8	MN	eP	11 29 27.3	Z	1.0	23.2 (0)	94.0	5.51
		ePP	11 33 13	Z	1.7	6.9 (0)		
8	NP	eP	11 29 30.5	JZ	.7	3.5 (0)	95.0	4.90
8	DR	eP	11 30 04.6	Z	0.9	1.8 (0)	102.0	4.76
8	LC	eP	11 30 10.0	Z	1.0	1.2 (0)	104.0	4.75
		ePKKP	11 46 24	Z	1.0	3.8 (0)		
8	DH	eLQ	12 09 30	LT	40	32.5 (2)	126.0	
		eL	12 15 16	LZ	35	27.2 (2)		
		eLR	12 16 30	LZ	24	61.5 (2)		
		eL	12 22 47	LZ	22	90.0 (2)		
		eL	12 22 47	LR	23	51.8 (2)		
		eL	12 22 47	LT	22	27.6 (2)		
							AVG.	5.16

8 11 41 30.5 27.3 N 129.2 E RYUKYU ISLANDS
H =092 KM MAG 4.40- CGS

8	NP	eP	11 52 24.0	JZ	.6	8.5 (0)	69.0	4.78
8	MV	eP	13 05 13.4	Z	0.7	12.4 (0)		
8	MN	eP	13 18 03.5	Z	0.2	1.1 (0)	2.2	
		eS	13 18 31	T	0.2	8.4 (0)		

8 13 53 42.2 18.3 N 145.3 E MARIANA ISLANDS REGION
H =423 KM MAG 4.90- CGS

8	NP	eP	14 04 31.5	JZ	1	73.2 (0)	73.0	5.24
8	MN	eP	14 05 27.3	Z	0.7	15.7 (0)	84.0	4.82

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	14 07 07	Z	0.7	2.0 (0)		
8	DR	eP	14 06 05.0	Z	0.8	7.2 (0)	92.0	4.67
8	LC	eP	14 06 19.0	Z	0.8	3.0 (0)	94.0	4.40
		epP	14 08 07	Z	1.0	1.2 (0)		
							AVG.	4.78

8	MN	eP	15 58 51.1	Z	0.2	2.7 (0)		
8	MN	e	15 59 00	T	0.2	12.4 (0)		
8	LC	e	16 26 25	LT	24	15.6 (1)		
8	LC	e	16 27 53	LZ	23	61.6 (0)		
8	MV	e	16 29 15	LZ	18	68.6 (1)		
8	MN	e	16 29 28	LZ	20	50.8 (1)		
8	DR	e	16 30 07	LZ	19	26.5 (1)		
8	LC	e	16 30 10	LZ	20	33.5 (1)		
8	BR	eP	16 30 24.5	Z	0.3	11.8 (0)	2.0	
		eS	16 30 52	R	0.3	27.4 (0)		
8	MV	e	16 31 11	LR	32	37.5 (1)		
8	MN	e	16 31 15	LR	27	33.9 (1)		
8	MV	e	16 32 56	LZ	23	31.3 (1)		
8	DR	e	16 34 27	LZ	18	37.4 (1)		
8	LC	e	16 34 30	LZ	20	37.2 (1)		
8	BR	e	16 35 19	LZ	28	29.6 (1)		
8	BR	e	16 36 50	LZ	27	53.2 (1)		
8	MV	e	16 40 00	LR	20	45.5 (1)		
8	MN	e	16 40 47	LR	22	57.0 (1)		
8	MV	e	16 41 33	LR	21	10.7 (2)		
8	DR	e	16 42 00	LR	30	44.8 (1)		
8	MN	e	16 42 03	LR	22	12.4 (2)		
8	LC	e	16 42 08	LT	28	83.4 (1)		
8	DR	e	16 43 26	LT	22	10.9 (2)		
8	LC	e	16 43 42	LR	20	11.0 (2)		
8	LC	e	16 44 30	LZ	22	55.6 (1)		
8	MV	e	16 46 46	LZ	25	10.7 (2)		
8	MN	e	16 47 12	LR	25	13.2 (2)		
8	LC	e	16 49 15	LT	24	65.9 (1)		
8	DR	e	16 49 29	LR	35	90.2 (1)		
8	MN	e	16 51 15	LT	23	60.2 (1)		
8	DR	e	16 53 11	LR	31	11.0 (2)		
8	LC	e	16 53 45	LR	24	66.2 (1)		
8	MV	eLQ	16 54 17	LT	45	29.1 (2)		
8	MN	eLQ	16 55 19	LT	36	26.0 (2)		
8	MV	eLR	16 58 24	LZ	33	99.9 (9)		
8	DR	eLQ	16 59 00	LT	42	31.9 (2)		
8	LC	eL	16 59 10	LT	44	99.9 (9)		
8	MN	eLR	16 59 33	LZ	36	99.9 (9)		
8	DR	eLR	17 03 16	LZ	32	55.1 (2)		
8	LC	eLR	17 03 37	LZ	999.9	99.9 (9)		
8	DR	eL	17 07 31	LR	26	44.6 (2)		
8	DR	eL	17 07 31	LT	23	30.5 (2)		
8	DR	eL	17 07 31	LZ	20	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	BR	eL	17 14 50	LZ	30	10.2 (2)		
8	BR	eLR	17 19 20	LZ	25	25.3 (2)		
8	19 11 11.2		32.2 N 140.9 E SOUTH OF HONSHU, JAPAN H =077 KM MAG 4.00- CGS					
8	MV	eP	19 16 58.0	Z	0.2	41.4 (0)		
8	BR	eP	19 37 36.3	Z	0.2	14.8 (0)	0.4	
		eS	19 37 42	R	0.2	50.3 (0)		
8	MN	eP	19 38 23.1	Z	0.6	2.4 (0)		
8	BR	eP	19 59 16.0	Z	0.2	12.0 (0)		
8	BR	eP	20 29 48.6	Z	0.2	24.1 (0)	0.8	
		eS	20 30 00	R	0.3	19.9 (0)		
8	23 53 20.8		44.9 N 110.9 W YELLOWSTONE PARK, WYO. H =033 KM MAG 3.90- CGS					
8	MN	eP	23 55 24.5	Z	0.5	0.3 (0)	8.0	3.59
9	DR	eP	00 11 34.5	Z	999.9	99.9 (9)		
9	01 17 37.8		14.2 N 92.3 W GUATEMALA H =033 KM MAG 4.10- CGS					
9	LC	eP	01 22 34.3	Z	1.1	4.8 (0)	22.0	3.81
		eLR	01 30 30	LZ	19	75.0 (0)		
9	DR	eP	01 23 20.0	Z	1.1	2.9 (0)	27.0	3.86
9	MN	eP	01 24 14.8	Z	0.9	7.6 (0)	33.0	4.59
		eLR	01 38 45	LZ	17	28.3 (1)		
9	NP	eP	01 28 07.0	JZ	1	3.7 (0)	63.0	4.40
9	BR	eLR	01 33 07	LZ	22	16.2 (1)	28.0	
							AVG.	4.16
9	LC	eLR	02 19 55	LZ	24	62.7 (0)		
9	MN	eP	02 40 24.3	Z	999.9	99.9 (9)		
9	MV	eP	02 41 49.4	Z	0.6	4.8 (0)		
9	LC	eLR	04 36 10	LZ	21	50.5 (0)		
9	DR	eP	06 17 50.5	Z	0.9	4.6 (0)		
9	06 05 32.2		44.5 N 11.9 E NORTHERN ITALY H =033 KM MAG 4.90- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	NP	eP	06 15 05.0	JZ	.9	6.7 (0)	56.0	4.67
		e	06 15 15	JZ	1	13.6 (0)		
9	RK	eP	06 16 10.5	Z	0.6	1.0 (0)	65.0	4.13
9	DR	eL	06 17 00	LZ	24	17.2 (1)	82.0	
		eLQ	06 45 10	LR	27	26.1 (1)		
9	LC	eP	06 18 07.8	Z	1.2	16.1 (0)	85.0	5.03
		eLQ	06 44 48	LR	33	18.0 (1)		
		eLR	06 53 05	LZ	22	27.0 (1)		
		eL	06 56 25	LT	17	10.6 (2)		
		eL	06 56 25	LR	19	53.1 (1)		
		eL	06 56 25	LZ	19	90.7 (1)		
9	MV	eP	06 18 13.9	Z	1.3	6.3 (0)	87.0	4.62
		eL	06 50 25	LZ	18	10.3 (1)		
9	DH	eLR	06 36 15	LZ	26	33.1 (1)	60.0	
9	BR	eLR	06 38 45	LZ	24	16.1 (1)	64.0	
9	MN	eLR	06 55 13	LZ	21	32.4 (1)	86.0	
							AVG.	4.61
9	MN	eP	06 43 01.1	Z	0.2	7.9 (0)	0.6	
		eS	06 43 10	R	0.3	17.1 (0)		
9	MV	eP	06 43 29.9	Z	0.3	1.7 (0)	1.9	
		eS	06 43 58	T	0.3	6.5 (0)		
9	08 42 21.1		50.6 N 157.2 E SOUTHERN KAMCHATKA H =033 KM MAG 4.60- CGS					
9	NP	eP	08 49 54.2	JZ	1	9.9 (0)	40.0	4.46
9	MV	eP	08 51 59.9	Z	1.0	3.3 (0)	56.0	4.31
9	MN	eP	08 52 15.8	Z	1.0	1.6 (0)	58.0	4.02
9	DR	eP	08 53 00.0	Z	1.0	3.6 (0)	65.0	4.46
9	LC	eP	08 53 28.0	Z	1.0	1.3 (0)	69.0	3.98
9	DH	eP	08 54 10.2	Z	0.7	10.3 (0)	77.0	4.97
							AVG.	4.36
9	LC	eP	08 46 40.0	Z	0.3	0.4 (0)		
9	LC	e	08 47 04	Z	0.4	0.9 (0)		
9	LC	eL	08 48 15	LR	16	51.7 (1)		
9	LC	eL	08 48 20	R	0.5	5.7 (0)		
9	DR	eP	08 50 24.3	Z	0.6	0.5 (0)		
9	DR	eL	08 50 27	LR	15	24.6 (1)		
9	10 10 18.2		21.6 S 171.1 E LOYALTY ISLANDS REGION H =153 KM MAG 5.40- CGS					
9	MN	eP	10 23 01.2	Z	0.7	0.8 (0)	89.0	3.86

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epPCP	10 23 43	Z	1.0	1.6 (0)		
9	LC	eP	11 29 51.6	Z	0.8	2.3 (0)		
9	MN	eP	11 31 10.0	Z	1.0	1.6 (0)		
9	12 20 02.2		51.6 N 178.8 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 4.50- CGS					
9	NP	eP	12 26 40.0	JZ	1	8.7 (0)	33.0	4.60
		ePCP	12 29 17	JZ	.8	4.8 (0)		
9	MV	eP	12 27 49.1	Z	0.8	2.9 (0)	41.0	4.09
		eLR	12 39 55	LZ	25	13.1 (1)		
9	MN	eP	12 28 08.7	Z	0.9	2.5 (0)	44.0	3.95
		eLR	12 41 15	LZ	23	13.5 (1)		
9	RK	eP	12 28 56.0	Z	0.9	7.5 (0)	50.0	4.62
9	DR	eP	12 29 00.5	Z	1.0	4.8 (0)	51.0	4.41
		eLR	12 45 30	LZ	27	15.7 (1)		
9	LC	eP	12 29 32.5	Z	0.9	7.0 (0)	55.0	4.69
		eLR	12 47 07	LZ	24	56.4 (0)		
9	DH	eP	12 30 43.4	Z	0.7	10.3 (0)	66.0	5.07
							AVG.	4.49
9	14 13 58.9		01.2 N 125.6 E MOLUCCA PASSAGE H =033 KM					
9	14 36 45.9		15.3 S 175.7 W FIJI ISLANDS REGION H =033 KM MAG 5.50- CGS					
9	HW	eP	14 44 21.3	Z	1.0	74.6 (0)	40.0	5.33
9	MV	eP	14 48 21.9	Z	1.8	10.2 (1)	74.0	5.48
		eP	14 48 23	LZ	18	31.1 (1)		
		eS	14 58 02	R	3.5	16.8 (1)		
		e	14 58 04	LT	24	99.9 (9)		
		e	15 07 00	LR	26	28.8 (2)		
		eLR	15 10 00	LZ	27	99.9 (9)		
9	MN	eP	14 48 31.0	Z	1.4	87.0 (0)	76.0	5.59
		eP	14 48 32	LZ	18	35.9 (1)		
		ePCP	14 48 55	Z	1.5	10.5 (1)		
		eSKS	14 58 25	R	4.0	37.7 (1)		
		eSKS	14 58 25	LT	22	17.4 (2)		
		e	15 07 55	LR	36	30.8 (2)		
		eLR	15 11 00	LZ	999.9	99.9 (9)		
9	LC	eP	14 49 01.8	Z	1.0	39.3 (0)	81.0	5.32
		eP	14 49 02	LZ	18	31.8 (1)		
		ePP	14 52 17	LZ	20	24.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	14 59 07	LR	26	16.4 (2)		
		ePS	15 00 05	LT	999.9	99.9 (9)		
		eSS	15 03 55	LT	22	70.6 (1)		
		e	15 06 48	LT	25	42.9 (1)		
		e	15 11 20	LT	33	90.8 (1)		
		eLR	15 13 19	LZ	999.9	99.9 (9)		
9	DR	eP	14 49 08.5	Z	1.5	10.6 (1)	83.0	5.75
		eP	14 49 10	LZ	18	23.2 (1)		
		ePP	14 52 32	LZ	14	31.5 (1)		
		eS	14 59 35	LR	18	17.4 (2)		
		eLQ	15 11 23	LR	32	14.0 (2)		
		eLR	15 14 15	LZ	999.9	99.9 (9)		
9	LV	eP	14 50 01.1	Z	1.3	82.5 (0)	93.0	5.96
9	NP	eP	14 50 16.0	JZ	1.1	11.7 (0)	97.0	5.39
		e	14 50 23	JZ	1.4	52.6 (0)		
		ePP	14 54 18	JZ	1.9	24.3 (0)		
9	DR	ePS	15 00 18	LR	21	15.7 (2)	83.0	
		eSS	15 05 03	LR	21	10.8 (2)		
9	DH	eSKS	15 01 50	LR	21	38.1 (1)	108.0	
		eSP	15 05 00	LZ	18	10.1 (2)		
		eSS	15 10 55	LR	27	34.6 (2)		
		e	15 19 05	LR	26	83.9 (1)		
		eLR	15 27 52	LZ	33	21.4 (2)		
		eL	15 31 47	LR	24	44.5 (2)		
		eL	15 31 47	LT	24	90.8 (1)		
		eL	15 31 47	LZ	24	58.9 (2)		
9	BR	eLR	15 25 00	LZ	32	50.6 (2)	105.0	
							AVG.	5.54
9	15 12 57.0		03.0 S 152.3 E NEW IRELAND H =143 KM MAG 5.30- CGS					
9	MN	eP	15 25 46.0	Z	0.7	0.8 (0)	91.0	4.19
9	MN	eP	15 31 01.0	Z	0.3	0.8 (0)	6.2	
9	LC	eP	15 31 52.8	Z	0.5	0.9 (0)		
9	MN	eS	15 32 05	R	0.4	0.9 (0)	6.2	
9	DH	eP	16 08 07.2	Z	0.2	4.9 (0)	1.5	
		eS	16 08 28	T	0.2	14.4 (0)		
9	MN	eP	16 15 05.5	Z	0.2	4.7 (0)	1.1	
		eS	16 15 20	R	0.3	25.2 (0)		
9	16 40 15.9		15.5 S 167.7 E NEW HEBRIDES ISLANDS H =127 KM MAG 4.10- CGS					
9	DH	eP	16 48 11.2	Z	0.3	7.4 (0)	1.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	BR	eP	16 48 19.0	Z	0.4	4.6 (0)	2.2	
9	DH	eS	16 48 34	R	0.5	31.9 (0)	1.7	
9	BR	eS	16 48 48	R	0.4	14.3 (0)	2.2	
9	LC	eP	17 05 41.9	Z	0.3	0.9 (0)	3.1	
		e	17 05 48	Z	0.4	2.7 (0)		
		eS	17 06 21	T	0.4	8.4 (0)		
9	MN	eLR	17 08 00	LZ	25	62.5 (1)		
9	DH	eP	17 09 45.9	Z	0.2	34.6 (0)	1.8	
9	BR	eP	17 09 52.0	Z	0.3	5.5 (0)	2.2	
9	DH	eS	17 10 11	R	0.3	60.4 (0)	1.8	
9	BR	eS	17 10 21	R	0.4	22.2 (0)	2.2	
9	LC	eLR	18 20 08	LZ	22	75.5 (0)		
9	DH	eP	18 53 50.1	Z	0.4	3.5 (0)	0.7	
		eS	18 54 00	R	0.4	12.9 (0)		
9	BR	eP	19 40 47.0	Z	0.2	27.6 (0)	0.6	
		eS	19 40 56	R	0.3	32.4 (0)		
9	LC	eP	20 23 20.0	Z	0.2	16.2 (0)	1.5	
		eS	20 23 39	T	0.4	14.7 (0)		
9	20 29 58.*		36.9 S 71.5 W CENTRAL CHILE H =186 KM MAG 4.30- CGS					
9	LC	eP	20 41 28.5	Z	0.6	2.1 (0)		
9	BR	eP	21 09 03.9	Z	0.3	5.5 (0)	0.1	
		eS	21 09 06	R	0.4	21.5 (0)		
9	NP	eP	23 41 27.7	JZ	1	3.7 (0)		
10	02 36 40.*		15.6 S 175.0 W TONGA ISLANDS H =033 KM MAG 4.20- CGS					
10	MN	eP	02 48 25.0	Z	1.0	1.6 (0)	76.0	4.02
10	LC	eP	02 48 55.0	Z	0.9	3.0 (0)	81.0	4.26
		eLR	03 14 16	LZ	28	16.5 (1)		
		eL	03 15 50	LR	22	10.3 (1)		
		eL	03 15 50	LT	20	69.9 (0)		
		eL	03 15 50	LZ	23	14.4 (1)		
10	DR	eP	02 49 02.5	Z	1.0	2.4 (0)	82.0	4.18
		eLR	03 15 00	LZ	26	10.2 (1)		
							AVG.	4.15
10	03 34 44.*		27.3 S 176.6 W KERMADEC H =140 KM MAG 4.30- CGS					
10	MV	eP	03 46 59.7	Z	0.9	3.8 (0)	84.0	4.24
10	MN	eP	03 47 06.0	Z	1.0	3.3 (0)	85.0	4.14

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epPCP	03 47 34	Z	1.0	1.6 (0)		
10	LC	eP	03 47 26.5	Z	1.0	3.9 (0)	89.0	4.41
		epPCP	03 47 54	Z	1.0	2.6 (0)		
10	DR	eLR	05 27 45	LZ	24	12.4 (1)	112.0	
							AVG.	4.26
10	04 27 33.5		28.1 N 53.3 E SOUTHERN IRAN H =046 KM MAG 4.80- CGS					
10	NP	eP	04 39 15.5	JZ	.6	12.4 (0)	76.0	5.07
10	BR	eLR	05 25 30	LZ	15	14.4 (1)	99.0	
10	MV	eLR	05 32 00	LZ	25	16.0 (1)	113.0	
10	LC	eLR	05 34 40	LZ	26	12.2 (1)	117.0	
10	HW	eP	04 41 55.2	Z	0.2	53.3 (0)	1.4	
		eS	04 42 13	T	0.3	10.7 (1)		
10	DR	eP	08 30 57.8	Z	0.9	1.8 (0)		
10	LC	eP	08 31 07.5	Z	1.0	1.3 (0)		
10	LC	eP	09 48 23.5	Z	1.0	1.3 (0)		
10	LC	eP	12 00 33.0	Z	0.5	0.4 (0)		
10	13 17 47.1		24.7 N 142.7 E VOLCANO ISLANDS REGION H =033 KM MAG 5.00- CGS					
10	MV	eP	13 29 50.0	Z	0.7	6.5 (0)	79.0	4.70
10	MN	eP	13 30 03.8	Z	1.0	15.7 (0)	82.0	4.99
		eLR	14 00 00	LZ	20	86.4 (0)		
10	DR	eP	13 30 42.0	Z	0.9	3.7 (0)	89.0	4.58
		eLR	14 00 16	LZ	27	79.4 (0)		
10	RK	eP	13 30 42.7	Z	0.8	14.5 (0)	90.0	5.22
10	LC	eP	13 30 58.5	Z	0.9	7.0 (0)	93.0	5.06
		eLR	14 00 57	LZ	21	25.2 (0)		
10	BR	eLR	14 14 10	LZ	15	10.8 (1)	105.0	
							AVG.	4.91
10	MN	eP	13 24 43.0	Z	0.5	0.3 (0)	1.6	
		eS	13 25 07	R	0.5	0.5 (0)		
10	16 05 59.7		15.0 S 179.0 W FIJI ISLANDS REGION H =389 KM MAG 4.50- CGS					
10	LC	eP	16 17 47.9	Z	0.7	3.9 (0)	84.0	4.25

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	BR	eP	16 06 20.0	Z	0.2	12.8 (0)	1.0	
		eS	16 06 33	R	0.2	37.8 (0)		
10	MN	eP	16 29 14.1	Z	0.2	3.1 (0)	1.5	
		eS	16 29 34	R	0.3	7.4 (0)		
10	17 51 40.*		03.2 S 141.9 E NEAR N. COAST NEW GUINEA H =088 KM					
10	18 07 26.2		54.4 S 132.8 W SOUTH PACIFIC OCEAN H =033 KM MAG 4.70- CGS					
10	LC	eP	18 20 20.5	Z	1.0	5.2 (0)	89.0	4.68
		e	18 30 54	LT	15	19.1 (1)		
		ePS	18 32 24	LT	24	27.7 (1)		
		eLQ	18 45 31	LR	30	37.3 (1)		
		eLR	18 49 52	LZ	23	79.1 (1)		
		eL	18 50 46	LT	25	74.9 (1)		
		eL	18 50 46	LR	21	27.7 (1)		
		eL	18 50 46	LZ	23	79.1 (1)		
10	MN	eP	18 20 40.5	Z	1.0	0.8 (0)	93.0	4.08
10	DH	e	18 37 13	LZ	38	14.7 (2)	108.0	
10	MV	eLR	18 51 00	LZ	27	87.9 (1)	94.0	
10	DR	eLR	18 52 01	LZ	27	68.8 (1)	94.0	
							AVG.	4.38
10	BR	eP	18 10 01.4	Z	0.2	27.7 (0)		
10	BR	eP	18 32 38.6	Z	0.2	49.1 (0)	0.1	
		eS	18 32 41	T	0.2	60.3 (0)		
10	18 37 45.3		08.8 N 82.9 W PANAMA COSTA RICA BORDER H =033 KM MAG 4.30- CGS					
10	MN	eP	18 45 47.6	Z	1.0	6.6 (0)	43.0	4.32
		eLR	18 51 15	LZ	27	91.1 (1)		
10	NP	eP	18 48 56.5	JZ	.7	12.2 (0)	70.0	5.04
		eP	18 48 56.5	JZ	.7	12.2 (0)		5.04
10	BR	eL	18 53 23	LZ	28	17.6 (1)	31.0	
		eLR	18 57 08	LZ	18	65.0 (1)		
10	DH	eL	18 56 50	LZ	23	79.6 (1)	34.0	
							AVG.	4.80
10	LC	eP	20 38 01.2	Z	1.0	2.6 (0)		
10	BR	eP	20 49 09.5	Z	0.2	26.6 (0)	0.4	
		eS	20 49 16	R	0.2	34.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	21 03 39.*		49.6 N 179.2 E RAT ALEUTIAN ISLANDS H =033 KM MAG 4.30- CGS					
10	MN	eP	21 11 54.9	Z	0.9	1.2 (0)	45.0	3.78
10	LC	eP	21 13 20.0	Z	1.0	3.9 (0)	56.0	4.39
							AVG.	4.08
10	MV	eP	23 04 48.4	Z	0.2	3.9 (0)	0.4	
		eS	23 04 55	T	0.2	11.1 (0)		
11	NP	eP	00 17 45.0	JZ	.6	6.4 (0)		
11	01 34 22.2		60.5 S 154.9 E BALLENY ISLANDS REGION H =033 KM MAG 5.40- CGS					
11	DR	eP'	01 53 25.5	Z	0.7	1.2 (0)	125.0	
		eSS	02 12 33	LR	27	54.0 (1)		
		eSSS	02 17 10	LR	25	40.6 (1)		
		eLQ	02 26 50	LR	42	23.0 (2)		
		eLR	02 33 25	LZ	25	57.4 (1)		
11	NP	eP'	01 54 02.5	JZ	1	15.8 (0)	147.0	
11	LC	ePS	02 05 00	LT	25	26.5 (1)	122.0	
		eSS	02 11 45	LR	24	47.2 (1)		
		eLQ	02 23 55	LR	27	31.9 (1)		
		eLR	02 30 38	LZ	25	38.0 (1)		
11	MN	eSS	02 11 20	LR	27	57.7 (1)	121.0	
		eSSS	02 15 35	LR	27	42.8 (1)		
		eLQ	02 24 18	LR	32	91.4 (1)		
		eLR	02 30 03	LZ	26	53.7 (1)		
		eL	02 40 07	LT	18	97.0 (1)		
		eL	02 40 07	LR	19	49.5 (1)		
		eL	02 40 07	LZ	19	10.6 (2)		
11	MV	eSS	02 11 30	LR	24	45.7 (1)	120.0	
		eSSS	02 15 35	LR	27	46.3 (1)		
		eLQ	02 24 10	LR	29	77.9 (1)		
		eLR	02 29 37	LZ	25	68.2 (1)		
		eL	02 30 05	LT	24	53.3 (1)		
		eL	02 30 05	LR	20	10.4 (1)		
		eL	02 30 05	LZ	25	68.2 (1)		
11	05 24 00.6		17.4 S 179.0 W FIJI ISLANDS H =509 KM MAG 4.10- CGS					
11	MV	eP	05 35 07.1	Z	1.0	4.7 (0)	78.0	3.87
11	MN	eP	05 35 16.1	Z	0.8	17.2 (1)	80.0	5.53
11	LC	eP	05 35 44.5	Z	0.8	1.4 (0)	85.0	3.67

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	DR	eP	05 45 37.6	Z	0.7	0.6 (0)	86.0	3.34
							AVG.	4.10
11	MV	eP	05 55 19.8	Z	0.2	2.2 (0)	1.1	
		eS	05 55 30	R	0.2	12.8 (0)		
11	06 30 36.5		01.0 S 78.9 W ECUADOR					
			H =033 KM MAG 4.00- CGS					
11	MN	eP	06 39 55.9	Z	0.8	43.1 (0)	53.0	5.46
		e	06 41 20	Z	0.7	36.3 (0)		
11	07 37 20.4		38.8 N 140.9 E NEAR COAST HONSHU, JAPAN					
			H =045 KM MAG 5.00- CGS					
11	NP	eP	07 46 47.5	JZ	1	15.8 (0)	55.0	5.00
11	MV	eP	07 48 40.5	Z	1.0	12.5 (0)	72.0	4.86
11	MN	eP	07 48 55.5	Z	0.8	34.5 (1)	74.0	6.34
11	DR	eP	07 49 34.5	Z	0.9	6.5 (0)	81.0	4.57
11	LC	eP	07 49 55.2	Z	1.0	10.1 (0)	85.0	4.87
							AVG.	5.12
11	08 43 48.*		37.1 N 55.2 E NORTHERN IRAN					
			H =033 KM MAG 4.40- CGS					
11	NP	eP	08 54 40.0	JZ	.8	4.1 (0)	67.0	4.61
11	10 03 05.1		38.1 S 73.1 W NEAR COAST SOUTHERN CHILE					
			H =060 KM MAG 5.00- CGS					
11	LC	eP	10 14 52.0	Z	0.9	9.7 (0)	77.0	4.75
		eP AS	10 14 58.6	Z	0.9	13.6 (0)		4.90
		eLR	10 41 42	LZ	26	10.1 (1)		
		eL	10 46 48	LR	24	22.9 (1)		
		eL	10 46 48	LT	24	19.1 (1)		
		eL	10 46 48	LZ	24	24.6 (1)		
11	DR	eP	10 15 19.1	Z	0.8	2.8 (0)	82.0	4.27
		eP AS	10 15 25.4	Z	0.8	5.0 (0)		4.52
		eLR	10 45 52	LZ	21	12.0 (1)		
11	MN	eP	10 15 50.8	Z	0.9	30.8 (1)	87.0	6.41
		eP AS	10 16 44.5	Z	0.8	64.7 (0)		5.78
		eL	10 45 42	LZ	19	75.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	MV	eP	10 15 53.5	Z	0.8	1.8 (0)	89.0	4.30
		eLR	10 47 50	LZ	19	14.4 (1)		
							AS.	5.07
							AVG.	4.93
11	13 11 51.*		04.7 S 145.4 E NEAR E. COAST NEW GUINEA					
			H =086 KM MAG 5.50- CGS					
11	14 34 58.3		53.0 N 172.5 E ALEUTIAN ISLANDS REGION					
			H =033 KM MAG 4.10- CGS					
11	LC	eP	15 29 40.3	Z	0.9	1.9 (0)		
11	LC	eLR	18 47 05	LZ	26	76.0 (0)		
11	BR	eP	18 51 28.9	Z	0.3	2.1 (0)	1.8	
		eS	18 51 53	R	0.3	4.8 (0)		
11	DR	eP	18 53 03.8	Z	0.4	1.2 (0)	2.9	
		eS	18 53 40	R	0.5	3.8 (0)		
11	NP	eP	19 31 01.0	JZ	.5	5.8 (0)		
11	NP	eL	19 33 07	T	0.6	2.7 (0)		
11	19 40 52.2		36.2 N 71.2 E HINDU KUSH					
			H =148 KM					
11	BR	eP	19 53 33.2	Z	0.3	1.4 (0)	1.5	
		eS	19 53 53	R	0.3	9.7 (0)		
11	NP	eP	20 44 40.7	JZ	.8	4.1 (0)		
11	21 14 34.*		07.7 S 108.8 E NEAR COAST OF JAVA					
			H =169 KM					
11	MN	eP	22 45 27.4	Z	999.9	99.9 (9)		1.1
11	MV	eP	22 45 35.4	Z	0.2	25.3 (0)		1.5
11	MN	eS	22 45 42	T	0.3	58.4 (1)		1.1
11	MV	eS	22 45 56	T	0.3	27.9 (0)		1.5
11	MN	eP	23 05 28.5	Z	0.3	16.9 (1)		0.1
		eS	23 05 31	R	0.4	99.9 (9)		
12	01 05 34.1		32.5 S 71.1 W COAST OF CENTRAL CHILE					
			H =092 KM MAG 4.70- CGS					
12	03 01 37.7		38.1 N 88.7 E SINKIANG PROV., CHINA					
			H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	NP	eP	03 12 12.7	JZ	.9	7.6 (0)	64.0	4.82
12	07 19 54.9		27.7 N 53.2 E NEAR S. W. COAST OF IRAN					
			H =033 KM MAG 5.00- CGS					
12	NP	eP	07 31 42.0	JZ	.8	4.9 (0)	76.0	4.58
12	MV	eP	08 24 18.9	Z	0.6	1.2 (0)		
12	08 58 03.3		11.6 S 166.3 E SANTA CRUZ ISLANDS					
			H =053 KM MAG 4.20- CGS					
12	MV	eP	09 10 44.0	Z	1.0	6.1 (0)		
12	RK	eP	09 17 46.3	Z	0.8	14.0 (0)		
12	LC	eLR	09 21 12	LZ	14	25.2 (1)		
12	10 10 08.0		05.7 S 131.1 E BANDA SEA					
			H =092 KM MAG 5.20- CGS					
12	RK	eP'	10 28 51.7	Z	0.6	4.1 (0)	122.0	
		e	10 29 27	Z	0.7	2.4 (0)		
12	LC	eP	11 28 49.0	Z	0.7	1.2 (0)		
12	LC	e	11 30 59	R	0.7	9.3 (0)		
12	LC	eL	11 30 59	LR	17	10.7 (2)		
12	DR	eL	11 33 26	LR	15	12.0 (1)		
12	DH	eLQ	11 44 40	LT	18	25.8 (1)		
12	DH	eLR	11 47 25	LZ	15	23.2 (1)		
12	LC	eLR	12 29 50	LZ	21	75.8 (0)		
12	DR	eLR	12 32 50	LZ	20	76.9 (0)		
12	MV	e	12 35 17	LZ	18	29.1 (1)		
12	BR	eP	13 00 12.5	Z	0.3	7.8 (0)	3.9	
		eS	13 01 00	R	0.6	7.4 (0)		
12	13 06 46.1		02.1 N 90.4 W GALAPAGOS ISLANDS					
			H =033 KM MAG 4.60- CGS					
12	LC	eP	13 13 26.5	Z	1.0	3.8 (0)	34.0	4.24
		eP	13 13 27	LZ	12	84.5 (0)		
		e	13 14 13	Z	1.0	2.5 (0)		
		ePP	13 14 50	LR	18	10.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePCP	13 16 10	Z	1.0	1.2 (0)		
		e	13 18 49	Z	1.0	6.3 (0)		
		eS	13 18 55	LT	19	42.7 (1)		
		eS	13 18 55	LR	32	39.7 (1)		
		eLQ	13 21 27	LT	35	91.3 (1)		
		eLR	13 23 52	LZ	24	99.9 (9)		
12	DR	eP	13 14 10.0	Z	1.0	4.8 (0)	39.0	4.18
		ePCP	13 16 20	Z	0.7	1.2 (0)		
		eSCP	13 19 31	Z	1.0	4.8 (0)		
		e	13 20 04	LZ	20	38.4 (1)		
		e	13 21 42	Z	1.0	2.4 (0)		
		e	13 23 09	LT	25	82.4 (1)		
		eLQ	13 25 05	LT	28	79.0 (1)		
		eLR	13 27 12	LZ	25	91.3 (1)		
		eL	13 28 40	LT	23	13.8 (2)		
		eL	13 28 40	LR	22	10.9 (2)		
		eL	13 28 40	LZ	22	17.8 (2)		
12	MV	eP	13 15 12.0	Z	1.0	3.0 (0)	46.0	4.22
		eSCP	13 20 26	Z	1.0	3.0 (0)		
		eS	13 22 14	LR	18	47.8 (1)		
		eL	13 27 00	LZ	20	16.6 (1)		
		eL	13 29 35	LZ	23	14.4 (1)		
12	RK	eP	13 15 28.0	Z	0.8	11.8 (0)	49.0	4.93
		eSCP	13 20 51	Z	0.8	14.7 (0)		
12	NP	eP	13 18 31.6	JZ	1.2	11.4 (0)	76.0	4.77
12	DH	eS	13 21 05	LT	19	35.8 (1)	42.0	
		eLQ	13 24 29	LR	25	87.4 (1)		
		eL	13 25 42	LR	27	33.5 (1)		
		eL	13 27 42	LR	20	88.2 (1)		
		eL	13 27 42	LT	18	38.8 (1)		
		eLR	13 30 08	LZ	21	92.8 (1)		
12	MN	eS	13 21 37	LR	18	49.6 (1)	44.0	
		eS	13 21 37	LT	19	24.9 (1)		
		e	13 25 22	LT	30	32.7 (1)		
		eL	13 28 33	LZ	27	31.3 (1)		
12	BR	eL	13 23 50	LZ	20	32.9 (1)	39.0	
		eLR	13 26 06	LZ	37	13.1 (2)		
							AVG.	4.46
12	NP	eP	13 23 52.8	JZ	1	4.2 (0)		
12	13 21 08.*		02.1 N 90.5 W GALAPAGOS ISLANDS					
			H =033 KM MAG 4.60- CGS					
12	NP	eP	15 54 16.7	JZ	.7	4.4 (0)		
12	DR	eP	16 50 50.0	Z	0.9	2.8 (0)		
12	MV	eP	17 16 45.5	Z	0.8	1.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	17 19 05.3		09.8 N 84.2 W COSTA RICA H =114 KM MAG 4.20- CGS					
12	RK	eP	17 26 42.9	Z	0.9	23.0 (0)	42.0	4.96
		ePP	17 28 30	Z	1.5	29.4 (0)		
12	17 42 46.0		05.9 S 146.5 E E. COAST OF NEW GUINEA H =100 KM MAG 4.40- CGS					
12	BR	eP	18 03 01.0	Z	0.3	24.2 (0)	1.7	
		eS	18 03 27	R	0.3	19.8 (0)		
12	18 29 38.8		25.3 N 62.7 E COAST OF W. PAKISTAN H =033 KM MAG 5.20- CGS					
12	NP	eP	18 41 41.0	JZ	1	27.4 (0)	79.0	5.17
		e	18 41 56	JZ	1.2	39.9 (0)		
12	LC	eSSS	19 11 30	LR	19	79.2 (0)	122.0	
		e	19 19 10	LZ	22	10.0 (1)		
		eL	19 41 15	LR	23	35.1 (1)		
		eLR	19 46 02	LZ	21	56.8 (1)		
		eL	19 46 50	LT	20	38.9 (1)		
		eL	19 46 50	LR	19	23.0 (1)		
		eL	19 46 50	LZ	22	55.4 (1)		
12	DH	eLR	19 28 40	LZ	20	33.4 (1)	102.0	
12	BR	eLR	19 31 35	LZ	18	35.6 (1)	106.0	
12	MV	eL	19 39 45	LT	44	24.8 (2)	116.0	
		eL	19 42 50	LZ	20	35.3 (1)		
12	BR	eP	19 40 33.5	Z	0.2	13.3 (0)	0.1	
		eS	19 40 36	R	0.2	35.9 (0)		
12	BR	eP	19 42 16.5	Z	0.2	23.8 (0)	3.1	
		eS	19 42 22	T	0.2	37.8 (0)		
12	LC	e	20 22 22	LT	20	11.6 (1)		
12	20 59 08.0		21.9 S 175.7 W TONGA ISLANDS H =033 KM MAG 4.60- CGS					
12	MV	eP	21 11 13.5	Z	1.2	4.7 (0)	79.0	4.32
		e	21 12 42	Z	0.9	4.7 (0)		
		eL	21 35 55	LZ	19	13.4 (1)		
12	LC	eP	21 11 42.0	Z	1.0	2.5 (0)	85.0	4.30
		eL	21 34 43	LR	22	73.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	21 40 45	LZ	21	17.6 (1)		
		eL	21 43 12	LR	18	35.9 (1)		
		eL	21 43 12	LT	18	27.9 (1)		
		eL	21 43 12	LZ	20	27.8 (1)		
12	MN	eLR	21 38 05	LZ	24	20.2 (1)	81.0	
12	DR	eLR	21 40 42	LZ	20	17.9 (1)	87.0	
12	BR	eLR	21 50 48	LZ	17	29.1 (1)	109.0	
12	DH	eLR	21 52 10	LZ	19	28.0 (1)	112.0	
							AVG.	4.31
12	21 14 00.1		56.0 S 27.7 W SANDWICH ISLANDS H =033 KM					
12	NP	eP	22 05 41.6	JZ	.6	3.8 (0)		
12	RK	e	22 48 24.2	Z	1.8	11.9 (1)		
12	RK	e	22 52 07	Z	2.0	78.1 (0)		
13	02 58 33.8		12.9 N 120.7 E COAST MINDORO, P. I. H =033 KM MAG 4.90- CGS					
13	03 26 45.4		55.0 N 156.4 W KODIAK ISLAND REGION H =033 KM MAG 5.00- CGS					
13	NP	eP	03 32 13.3	JZ	.9	83.7 (0)	26.0	5.33
		eS	03 36 37	R	1.3	14.1 (0)		
13	MV	eP	03 32 36.2	Z	0.8	1.8 (0)	28.0	3.88
		ePCP	03 35 48	Z	1.0	6.1 (0)		
		eLQ	03 38 05	LT	27	79.2 (1)		
		eLR	03 40 08	LZ	20	69.2 (1)		
13	MN	eP	03 32 57.2	Z	1.3	15.9 (0)	31.0	4.72
		ePCP	03 35 54	Z	0.8	2.9 (0)		
		eLQ	03 40 10	LT	28	14.2 (2)		
		eLR	03 41 33	LZ	26	83.4 (1)		
13	RK	eP	03 33 53.0	Z	0.7		37.0	
		eL	03 44 50	LR	24	14.2 (2)		
13	DR	eP	03 33 54.3	Z	1.1	7.5 (0)	37.0	4.40
		ePCP	03 36 13	Z	1.2	5.6 (0)		
		eLQ	03 42 35	LT	22	48.2 (1)		
		eLR	03 45 07	LZ	24	41.1 (1)		
13	LC	eP	03 34 30.3	Z	1.3	14.7 (0)	41.0	4.58
		eP	03 34 35	LZ	17	73.9 (0)		
		ePCP	03 36 26	Z	0.8	2.2 (0)		
		eS	03 40 43	LR	20	30.6 (1)		
		eLQ	03 44 00	LT	40	58.8 (1)		
		eLR	03 47 23	LZ	24	58.7 (1)		
		eL	03 51 45	LR	15	97.0 (1)		

				INST	PER	AMPL	DIST	MAG
		eL	03 51 45	LT	16	37.5 (1)		
		eL	03 51 45	LZ	15	85.5 (1)		
13	LV	eP	03 35 38.1	Z	0.7	52.3 (0)	50.0	5.57
13	BR	eP	03 35 50.8	Z	0.9	21.2 (0)	52.0	5.10
		eLR	03 56 00	LZ	14	75.5 (1)		
13	DH	eLR	03 54 00	LZ	18	23.4 (1)	52.0	
							AVG.	4.79
13	MN	eP	04 12 52.6	Z	1.1	3.0 (0)		
13	DR	eP	04 27 43.0	Z	1.1	4.5 (0)		

13 04 53 58.8 07.2 S 124.5 E BANDA SEA
H =542 KM MAG 5.30- CGS

13	DR	eP'	05 11 58.7	Z	1.3	16.5 (0)	124.0	
13	RK	eP'	05 12 00.2	Z	0.6		126.0	
13	LC	eP'	05 12 03.1	Z	1.4	21.2 (0)	126.0	
13	BR	eP'	05 12 24.6	Z	0.6	16.5 (0)	141.0	
		ePP	05 15 24	Z	0.6	10.7 (0)		

13 06 04 44.* 15.9 N 95.3 W C. COAST OF OAXACA, MEX.
H =033 KM MAG 3.80- CGS

13	LC	eP	06 09 11.3	Z	0.6	1.0 (0)	19.0	3.28
13	DR	eP	06 09 58.6	Z	0.9	1.8 (0)	24.0	3.56
13	MN	eP	06 10 52.9	Z	0.8	0.9 (0)	30.0	3.65
							AVG.	3.49

13 06 29 19.1 20.6 S 178.5 W FIJI ISLANDS
H =562 KM MAG 4.60- CGS

13	MV	eP	06 40 32.0	Z	0.8	7.2 (0)	80.0	4.15
13	MN	eP	06 40 40.0	Z	1.0	15.7 (0)	82.0	4.49
		epPCP	06 42 48	Z	1.4	5.9 (0)		
13	LC	eP	06 41 05.5	Z	1.2	11.7 (0)	87.0	4.49
		epPCP	06 43 10	Z	1.1	3.1 (0)		
13	DR	eP	06 41 10.9	Z	1.0	2.4 (0)	88.0	3.95
							AVG.	4.27

13 06 52 06.1 19.1 S 173.9 W TONGA ISLANDS
H =028 KM MAG 4.70- CGS

13	MV	eP	07 03 59.6	Z	0.7	1.5 (0)	76.0	4.15

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	07 04 00	LZ	15	11.7 (1)		
		eLQ	07 23 55	LR	24	14.9 (1)		
		eLR	07 26 57	LZ	29	16.8 (1)		
13	MN	eP	07 04 02.1	Z	1.2	7.6 (0)	77.0	4.62
		eP AS	07 04 58.0	Z	1.1	7.1 (0)		4.63
		eS	07 14 00	LR	19	15.2 (1)		
		e	07 24 38	LR	27	31.6 (1)		
		eLR	07 28 38	LZ	27	32.0 (1)		
		eL	07 36 27	LT	17	63.0 (1)		
		eL	07 36 27	LR	17	22.5 (1)		
		eL	07 36 27	LZ	17	58.2 (1)		
13	LC	eP	07 04 28.0	Z	1.0	2.5 (0)	82.0	4.22
		eP	07 04 29	LZ	18	67.7 (0)		
		eP AS	07 04 33.9	Z	1.2	11.7 (0)		4.80
		eS	07 14 50	LT	24	22.3 (1)		
		eSS	07 19 57	LT	20	14.8 (1)		
		e	07 26 35	LR	25	23.1 (1)		
		eLR	07 30 00	LZ	25	19.7 (1)		
		eL	07 40 00	LT	16	45.0 (1)		
		eL	07 40 00	LR	17	28.9 (1)		
		eL	07 40 00	LZ	17	55.8 (1)		
13	DR	eP	07 04 36.5	Z	1.3	4.7 (0)	84.0	4.47
		eP AS	07 04 42.5	Z	1.1	9.1 (0)		4.83
		eLR	07 31 20	LZ	26	29.9 (1)		
13	BR	eLR	07 44 55	LZ	22	23.3 (1)	106.0	
13	DH	eLR	07 45 27	LZ	20	32.0 (1)	109.0	
							AS.	4.75
							AVG.	4.37

13 07 03 49.6 36.6 N 70.9 E HINDU KUSH
H =244 KM MAG 4.70- CGS

13	NP	eP	07 14 19.2	JZ	.7	35.8 (0)	67.0	5.20
		epP	07 15 17	JZ	1.1	54.6 (0)		
		e	07 15 42	JZ	1	22.1 (0)		
13	MN	eP	08 49 11.1	Z	0.3	4.1 (0)	1.0	
		eS	08 49 24	R	0.5	29.7 (0)		

13 12 39 55.3 03.1 S 80.4 W NEAR COAST OF ECUADOR
H =066 KM MAG 4.30- CGS

13	LC	eP	12 47 52.2	Z	0.9	1.9 (0)	43.0	3.83
		eL	12 58 40	LZ	41	20.0 (1)		
		eL	13 06 50	LT	18	46.4 (1)		
		eL	13 06 50	LR	18	37.4 (1)		

			ME	INST	PER	AMPL	DIST	MAG
		eL	13 06 50	LZ	18	52.7 (1)		
13	DR	eP	12 48 27.4	Z	0.6	0.5 (0)	48.0	3.63
13	MN	eP	12 49 15.5	Z	1.0	3.3 (0)	54.0	4.32
13	RK	eP	12 49 20.6	Z	0.6		55.0	
13	MV	eLR	13 00 50	LZ	26	21.0 (1)	56.0	
							AVG.	3.92
13	13 28 02.2		76.2 N 6.4 E SVALBARD REGION					
			H =033 KM MAG 4.70- CGS					
13	NP	eP	13 33 20.0	JZ	1	8.8 (0)	25.0	4.34
13	RK	eP	13 36 06.3	Z	0.9		44.0	
		eL	13 51 50	LR	24	63.4 (1)		
13	DR	eP	13 38 03.7	Z	1.0	3.6 (0)	59.0	4.36
		eLR	13 57 10	LZ	32	34.7 (1)		
13	MN	eP	13 38 10.2	Z	0.8	1.9 (0)	60.0	4.22
		eLR	13 59 15	LZ	29	10.7 (1)		
13	LC	eP	13 38 35.1	Z	0.8	9.0 (0)	64.0	4.95
13	BR	eLR	13 57 00	LZ	20	33.8 (1)	51.0	
							AVG.	4.46
13	MN	eP	13 42 44.6	Z	0.2	3.1 (0)	1.1	
		eS	13 43 09	R	0.4	4.7 (0)		
13	BR	eP	13 43 48.3	Z	0.3	4.9 (0)	0.9	
		eS	13 44 00	R	0.4	7.2 (0)		
13	BR	eP	15 07 35.9	Z	0.2	16.9 (0)	0.1	
		eS	15 07 39	T	0.4	42.1 (0)		
13	MN	eP	15 08 32.6	Z	0.7	1.2 (0)		
13	MN	eP	16 01 39.1	Z	0.3	2.0 (0)	0.7	
		eS	16 01 49	T	0.3	7.9 (0)		
13	DH	eP	16 07 59.6	Z	0.3	7.6 (0)	0.1	
		eS	16 08 03	T	0.4	50.8 (0)		
13	MN	eP	16 14 36.9	Z	0.2	0.7 (0)	0.6	
		eS	16 14 45	R	0.3	7.1 (0)		
13	MN	eP	17 11 00.5	Z	1.0	2.4 (0)		
13	MN	eP	17 15 56.1	Z	1.0	2.4 (0)		
13	MN	eP	17 19 54.5	Z	0.2	11.4 (0)	0.9	
		eS	17 19 56	R	0.3	25.3 (0)		
13	BR	eP	17 40 50.6	Z	0.3	2.8 (0)	1.5	
		eS	17 41 09	T	0.4	13.1 (0)		
13	BR	eP	17 50 10.0	Z	0.3	2.8 (0)	1.6	
		eS	17 50 30	T	0.4	19.7 (0)		
13	BR	eP	18 29 21.0	Z	0.3	2.8 (0)	1.5	
		eS	18 29 39	R	0.4	5.9 (0)		
13	BR	eP	18 56 09.6	Z	0.3	11.2 (0)	0.9	
		eS	18 56 22	R	0.4	13.8 (0)		
13	LC	eP	19 01 50.0	Z	0.2	18.8 (0)	1.5	
		eS	19 02 09	T	0.3	9.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	BR	eP	19 05 36.2	Z	0.2	7.5 (0)	1.1	
		eS	19 05 40	R	0.3	19.0 (0)		
13	LC	eP	19 36 37.6	Z	0.2	6.0 (0)	1.8	
		eS	19 37 11	T	0.3	4.7 (0)		
13	BR	eP	19 37 22.2	Z	0.3	2.1 (0)	0.3	
		eS	19 37 28	R	0.4	5.2 (0)		
13	BR	eP	19 41 05.6	Z	0.3	2.8 (0)	0.5	
		eS	19 41 23	T	0.3	7.4 (0)		
13	BR	eP	19 44 12.8	Z	0.3	2.8 (0)	1.3	
		eS	19 44 29	R	0.4	13.8 (0)		
13	BR	eP	19 45 31.4	Z	0.3	6.3 (0)	0.9	
		eS	19 45 43	T	0.4	19.7 (0)		
13	BR	eP	20 19 45.8	Z	0.2	9.4 (0)	0.3	
		eS	20 20 51	R	0.3	8.1 (0)		
13	BR	eP	21 11 06.6	Z	0.3	3.5 (0)	0.2	
		eS	21 11 11	R	0.4	21.0 (0)		
13	MN	eP	21 25 55.0	Z	0.3	0.8 (0)	0.9	
13	DR	eP	21 26 03.2	Z	0.3	2.1 (0)	4.3	
		e	21 26 06	Z	0.3	4.3 (0)		
13	MN	e	21 26 10	Z	0.3	2.9 (0)	0.9	
13	BR	eP	21 26 53.6	Z	0.3	4.2 (0)	0.2	
13	DR	eS	21 26 55	T	0.4	14.2 (0)	4.3	
13	BR	eS	21 26 58	T	0.5	7.9 (0)	0.2	
13	MN	eS	21 27 07	R	0.5	7.8 (0)	0.9	
13	RK	eP	21 41 00.2	Z	1.0			
13	21 52 37.4		19.3 S 173.7 W TONGA ISLANDS					
			H =033 KM MAG 5.10- CGS					
13	MV	eP	22 04 22.8	Z	0.9	9.4 (0)	76.0	4.82
		eP	22 04 23	LZ	19	20.1 (1)		
		eP AS	22 04 28.8	Z	1.4	58.4 (0)		5.42
		eS	22 14 17	LT	20	60.5 (1)		
		ePPS	22 15 15	LT	25	15.2 (2)		
		eLQ	22 23 50	LR	27	73.5 (1)		
		eLR	22 27 27	LZ	28	10.6 (2)		
		eL	22 37 17	LT	19	10.8 (2)		
		eL	22 37 17	LR	17	43.3 (1)		
		eL	22 37 17	LZ	17	11.2 (2)		
13	MN	eP	22 04 32.0	Z	1.0	17.4 (0)	78.0	5.04
		eP	22 04 35	LZ	18	22.2 (1)		
		eP AS	22 04 38.2	Z	1.1	32.8 (0)		5.27
		eS	22 14 40	LT	22	72.9 (1)		
		eSS	22 19 23	LT	20	79.6 (1)		
		eLQ	22 24 20	LR	27	12.6 (2)		
		eLR	22 28 07	LZ	29	14.1 (2)		
13	LC	eP	22 04 58.5	Z	1.0	15.3 (0)	82.0	4.98
		eP	22 05 00	LZ	19	31.9 (1)		
		eP AS	22 05 04.5	Z	1.0	29.3 (0)		5.26

			E		INST	PER	AMPL		DIST	MAG
		eS	22 15 20		LT	24	81.1 (1)			
		eSS	22 20 20		LT	22	73.2 (1)			
		eLQ	22 26 05		LT	26	99.9 (9)			
		eLR	22 30 30		LZ	999.9	99.9 (9)			
13	DR	eP	22 05 06.5		Z	1.0	11.0 (0)		84.0	4.94
		eP	22 05 10		LZ	18	22.8 (1)			
		eP	AS 22 05 12.5		Z	1.4	64.3 (0)			5.56
		eS	22 15 30		LT	21	96.9 (1)			
		eSS	22 21 07		LT	22	43.1 (1)			
		eLQ	22 27 40		LT	34	11.8 (2)			
		eLR	22 31 10		LZ	29	13.4 (2)			
13	DH	e	22 20 10		LR	21	29.7 (1)		109.0	
		eSS	22 26 47		LR	24	10.8 (2)			
		eLR	22 46 05		LZ	25	63.4 (1)			
		eL	22 56 00		LR	15	22.1 (2)			
		eL	22 56 00		LT	16	82.5 (1)			
		eL	22 56 00		LZ	16	30.4 (2)			
13	RK	eL	22 34 10		LT	36	15.8 (2)		99.0	
13	BR	eLR	22 43 55		LZ	26	95.7 (1)		106.0	
									AS.	5 38
									AVG.	4 95

13 23 00 24.8 27.2 N 140.1 E BONIN ISLANDS REGION
H =448 KM MAG 4.80- CGS

13	NP	eP	23 10 27.0	JZ	.8	82.3 (0)	66.0		5.46
13	RK	eP	23 12 31.2	Z	0.7		89.0		
13	BR	eP	23 30 54.2	Z	0.3	4.9 (0)	0.9		
		eS	23 31 06	R	0.4	8.5 (0)			
13	MV	eP	23 34 04.8	Z	1.0	12.2 (0)			
13	MN	eP	23 34 13.7	Z	0.9	5.7 (0)			
13	LC	eP	23 34 42.1	Z	0.8	2.2 (0)			
13	MN	e	23 38 20.4	Z	1.0	3.3 (0)			
13	BR	eP	23 41 43.1	Z	0.3	2.8 (0)	1.5		
		eS	23 42 03	T	0.4	7.2 (0)			

14 00 15 07.1 16.7 S 28.7 E N. RHODESIA
H =033 KM

14	NP	ePD	00 32 00.2	JZ	.8	6.8 (0)	118.0	
14	MN	eP	00 34 40.2	Z	0.6	3.1 (0)	144.0	
14	LV	eL	02 16 22	LZ	20	10.3 (1)		
14	MN	eP	02 38 22.4	Z	1.0	1.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	LV	eL	02 41 15	LZ	35	34.3 (1)		
14	LC	eL	02 46 00	LZ	40	18.0 (1)		

14 02 46 44.1 21.4 S 175.2 W FIJI ISLANDS REGION
H =033 KM MAG 4.70- CGS

14	MN	eP	02 58 52.0	Z	1.0	4.9 (0)	80.0	4.36
		e	02 59 05	Z	1.0	15.8 (0)		
		e	02 59 05	LZ	23	23.6 (1)		
		ePP	03 02 04	Z	1.4	5.9 (0)		
		eS	03 09 07	LR	16	33.6 (1)		
		ePS	03 09 19	LT	25	43.7 (1)		
		eSSS	03 14 20	LR	21	27.6 (1)		
		eLQ	03 19 40	LR	30	58.1 (1)		
		eLR	03 23 50	LZ	23	49.2 (1)		
		eL	03 27 07	LT	21	68.4 (1)		
		eL	03 27 07	LR	20	20.2 (1)		
		eL	03 27 07	LZ	21	99.0 (1)		
14	LC	eP	02 59 16.4	Z	1.3	7.3 (0)	85.0	4.65
		e	02 59 29	Z	1.0	12.7 (0)		
		eS	03 09 43	LT	22	57.7 (1)		
		eSS	03 15 05	LT	25	29.2 (1)		
		eSSS	03 18 50	LT	26	24.7 (1)		
		eLQ	03 21 52	LT	33	54.9 (1)		
		eLR	03 26 30	LZ	25	66.3 (1)		
		eL	03 31 15	LR	18	85.7 (1)		
		eL	03 31 15	LT	18	29.0 (1)		
		eL	03 31 15	LZ	18	95.5 (1)		
14	DR	eP	02 59 22.0	Z	1.3	4.6 (0)	86.0	4.39
		eS	03 10 10	LT	20	43.3 (1)		
		ePS	03 11 00	LT	21	28.0 (1)		
		eLQ	03 22 40	LR	35	58.9 (1)		
		eLR	03 26 35	LZ	28	98.4 (1)		
		eL	03 28 10	LT	23	38.0 (1)		
		eL	03 28 10	LR	25	10.1 (1)		
		eL	03 28 10	LZ	25	65.2 (1)		
14	MV	eS	03 08 45	LT	22	33.8 (1)	79.0	
		ePPS	03 09 40	LT	28	37.0 (1)		
		eL	03 19 00	LR	28	26.3 (1)		
		eLR	03 22 55	LZ	25	30.7 (1)		
14	LV	eLR	03 31 35	LZ	24	39.1 (1)	96.0	
14	DH	ePPS	03 37 00	LR	28	34.9 (1)	112.0	
		eL	03 40 20	LZ	25	38.1 (1)		
							AVG.	4.46

14	DR	eLR	02 53 24	LZ	20	12.1 (1)		

14 03 32 33.5 04.9 S 152.3 E NEW BRITAIN
H =062 KM MAG 5.80- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	MV	eP	03 45 31.0	Z	1.0	3.1 (0)	90.0	4.43
		eLQ	04 10 00	LT	33	10.1 (2)		
		eLR	04 14 00	LZ	28	38.6 (1)		
14	MN	eP	03 45 41.0	Z	1.3	22.3 (0)	93.0	5.37
		e	03 45 53	Z	1.0	8.3 (0)		
		ePP	03 49 10	Z	1.2	3.8 (0)		
		eL	04 10 05	LR	45	34.7 (2)		
		eLR	04 16 07	LZ	27	48.0 (1)		
14	NP	eP	03 45 47.5	JZ	.9	11.8 (0)	94.0	5.28
14	DR	eP	03 46 19.1	Z	1.3	7.0 (0)	101.0	5.09
		eLQ	04 15 10	LT	35	11.7 (2)		
		eLR	04 20 15	LZ	24	53.2 (1)		
14	LC	eLQ	04 15 25	LT	35	99.9 (9)	102.0	
		eLR	04 19 29	LZ	30	41.3 (1)		
14	LV	eLR	04 25 30	LZ	30	42.1 (1)	114.0	
							AVG.	5.04
14	BR	eLR	03 39 15	LZ	25	64.8 (0)		
14	MN	eP	04 48 22.5	Z	1.0	0.8 (0)		
14	LC	eL	04 49 00	R	0.7	1.8 (0)		

14 08 27 14.9 09.3 S 158.3 E SOLOMON ISLANDS
H =033 KM MAG 4.70- CGS

14	MN	eP	08 40 18.7	Z	0.9	1.2 (0)	91.0	4.21
		e	08 41 10	Z	1.0	2.4 (0)		

14 09 03 45.5 18.4 N 104.6 W COAST OF JALISCO, MEXICO
H =033 KM MAG 4.20- CGS

14	LC	eP	09 07 07.0	Z	1.0	3.8 (0)	14.0	3.98
		eL	09 11 04	LZ	26	68.4 (1)		
		eL	09 11 34	LR	18	78.8 (1)		
		eL	09 11 34	LT	21	40.8 (1)		
		eL	09 11 34	LZ	32	32.3 (1)		
14	DR	eP	09 08 11.8	Z	1.2	9.3 (0)	19.0	3.92
		eLQ	09 13 35	LR	25	20.2 (1)		
		eLR	09 14 07	LZ	24	31.4 (1)		
14	MN	eP	09 08 51.8	Z	1.6	17.2 (0)	23.0	4.26
14	MV	eP	09 09 12.0	Z	1.0	3.1 (0)	25.0	3.89
14	RK	eP	09 10 23.5	Z	0.9	3.6 (0)	34.0	4.28
							AVG.	4.06

14 12 30 06.0 41.5 N 112.2 W NORHTERN UTAH
H =033 KM MAG 3.70- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	DR	eP	12 31 23.6	Z	0.2	1.7 (0)	5.2	4.20
		eS	12 32 48	R	0.2	18.0 (0)		
14	MN	eP	12 31 30.2	Z	0.2	3.5 (0)	5.5	4.51
		eS	12 33 05	T	0.2	10.9 (0)		
							AVG.	4.35
14	LC	eP	12 35 21.2	Z	1.0	2.5 (0)		

14 13 46 02.0 83.6 N 4.6 W SVALBARD REGION
H =033 KM MAG 4.60- CGS

14	BR	eP	14 02 55.0	Z	0.2	20.7 (0)	0.1	
		eS	14 02 58	R	0.2	35.2 (0)		
		eP	14 25 38.0	Z	0.2	28.2 (0)		
		eS	14 25 40	T	0.2	20.6 (0)		

14 14 32 36.7 22.3 S 68.7 W NORTHERN CHILE
H =120 KM MAG 5.10- CGS

14	DH	eP	14 43 02.4	Z	0.7	47.5 (0)	64.0	5.49
		epP	14 43 29	Z	0.7	5.2 (0)		
14	LC	eP	14 43 08.0	Z	1.0	11.4 (0)	65.0	4.71
		epP	14 43 37	Z	1.1	7.8 (0)		
14	DR	eP	14 43 37.2	Z	0.8	15.8 (0)	69.0	4.87
		epP	14 44 06	Z	0.7	4.2 (0)		
14	RK	eP	14 44 11.9	Z	0.9	33.2 (0)	76.0	5.14
		epP	14 44 42	Z	1.0	24.0 (0)		
14	MN	eP	14 44 14.0	Z	1.0	7.4 (0)	76.0	4.45
		epP	14 44 43	Z	0.8	3.4 (0)		
14	MV	eP	14 44 25.0	Z	0.7	3.1 (0)	78.0	4.22
							AVG.	4.81
14	RK	eP	16 18 02.3	Z	1.3	18.4 (0)		

14 16 18 18.0 24.1 N 122.4 E OFF COAST OF FORMOSA
H =028 KM MAG 5.30- CGS

14	LC	eLR	17 10 00	LZ	13	52.6 (0)	93.0	
14	LV	eL	17 23 55	LZ	21	12.0 (1)	115.0	
14	NP	eP	17 16 28.1	JZ	.7	6.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	18 43 55.5		03.4 S 135.4 E WEST IRAN H =033 KM MAG 6.40- CGS					
14	HW	eP	18 55 16.0	Z	0.8	78.5 (0)	71.0	5.79
14	NP	eP	18 57 23.5	JZ	.8	49.2 (0)	97.0	6.15
14	MN	eP	18 58 04.2	Z	1.3	9.5 (0)	105.0	5.60
		e	18 58 21	Z	1.4	11.8 (0)		
		ePP	19 02 19	Z	1.0	2.4 (0)		
		ePKKP	19 13 45	Z	0.9	1.2 (0)		
		eL	19 32 06	LZ	25	21.5 (1)		
14	DR	eP'	19 02 33.0	Z	1.0	4.8 (0)	113.0	
14	LC	eP'	19 02 36.3	Z	1.0	6.3 (0)	115.0	
		ePKKP1	19 13 16	Z	1.0	8.9 (0)		
		e	19 13 22	LZ	23	18.1 (1)		
		ePKKP2	19 13 36	Z	1.0	6.3 (0)		
		e	19 31 10	LZ	25	66.3 (0)		
		e	19 32 58	LZ	21	97.4 (0)		
		eLR	19 37 03	LZ	30	38.4 (1)		
14	RK	eP'	19 02 38.6	Z	0.6	17.0 (0)	117.0	
14	LV	eLR	19 44 20	LZ	25	27.2 (1)	127.0	
						AVG.		5.84
14	MN	eP	19 03 13.6	Z	0.2	1.9 (0)	3.3	
		eS	19 03 55	T	0.2	6.2 (0)		
14	BR	eP	19 07 16.0	Z	0.3	6.3 (0)	2.3	
		eS	19 07 45	R	0.3	21.5 (0)		
14	BR	eP	19 36 43.8	Z	0.2	19.7 (0)	0.1	
		eS	19 36 46	R	0.2	22.2 (0)		
14	BR	eP	20 08 37.9	Z	0.2	28.2 (0)	0.6	
		eS	20 08 46	R	0.2	26.8 (0)		
14	LC	eP	20 21 03.0	Z	0.2	1.8 (0)	2.9	
		eS	20 21 40	T	0.2	6.0 (0)		
14	LC	eP	20 41 26.0	Z	0.2	12.1 (0)	1.5	
		eS	20 41 45	T	0.2	13.3 (0)		
14	20 43 12.*		22.5 S 175.5 W TONGA ISLANDS H =033 KM MAG 4.40- CGS					
14	LC	eP	20 55 46.5	Z	1.0	5.1 (0)	85.0	4.60
		eLR	21 22 37	LZ	25	11.4 (1)		
14	MN	eP	20 55 20.5	Z	0.8	0.4 (0)	81.0	3.52
14	LV	eLR	21 33 18	LZ	16	14.4 (1)	97.0	
						AVG.		4.06
14	21 20 42.*		40.6 N 143.6 E E. COAST N. HONSHU JAPAN H =033 KM MAG 4.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	BR	eP	21 21 27.0	Z	0.2	6.5 (0)	3.2	
		eS	21 22 07	R	0.2	28.7 (0)		
14	21 48 28.*		17.5 S 178.3 W FIJI ISLANDS H =487 KM MAG 3.60- CGS					
14	BR	eP	22 54 00.0	Z	0.5	11.1 (0)		
15	00 47 05.*		02.8 N 76.1 W SOUTHERN COLOMBIA H =033 KM MAG 4.30- CGS					
15	01 33 02.1		18.1 S 172.6 W TONGA ISLANDS H =033 KM MAG 4.20- CGS					
15	02 17 16.9		27.9 N 139.6 E BONIN ISLANDS H =476 KM MAG 4.70- CGS					
15	NP	eP	02 27 16.0	JZ	.9	76.4 (0)	66.0	5.35
15	06 11 34.6		37.9 N 141.6 E E. COAST HONSHU, JAPAN H =059 KM					
15	NP	eP	06 21 06.8	JZ	.8	14.8 (0)	55.0	5.06
15	HW	eP	06 21 14.3	Z	0.7	20.3 (0)	57.0	5.26
15	MV	eP	06 22 53.3	Z	1.3	29.1 (0)	72.0	5.07
		eP	06 22 54 2	LZ	16	2.4 (0)		
		eP AS	06 23 05.0	Z	1.9	28.0 (1)		5.89
		e	06 24 00	Z	1.6	87.0 (0)		
		e	06 24 37	Z	1.3	33.9 (0)		
		eS	06 32 14	LT	27	56.8 (2)		
		eSKS	06 33 05	LR	30	99.9 (9)		
		eSS	06 36 55	LT	27	37.7 (2)		
		eLQ	06 40 18	LT	28	99.9 (9)		
		eLR	06 44 28	LZ	31	99.9 (9)		
15	MN	eP	06 23 08.5	Z	1.2	51.9 (0)	74.0	5.31
		eP	06 23 09	LZ	15	32.2 (2)		
		eS	06 32 43	LR	22	99.9 (9)		
		eSS	06 37 22	LT	27	99.9 (9)		
		eLQ	06 42 15	LT	999.9	99.9 (9)		
		eLR	06 45 48	LZ	999.9	99.9 (9)		
15	RK	eP	06 23 33.2	Z	1.4	18.1 (1)	79.0	5.79
		eP AS	06 23 44.7	Z	1.7	51.3 (1)		6.16
		e	06 26 15	Z	1.9	16.4 (1)		

					INST	PER	AMPL		DIST	MAG
		eS		06 33 26	R	3.8	80.8	(1)		
		eS		06 33 28	LR	25	45.2	(1)		
		eSS		06 38 40	LR	27	50.5	(1)		
		e		06 41 00	LR	21	22.8	(1)		
		eL		06 44 27	LR	25	46.3	(1)		
15	DR	eP		06 23 47.8	Z	1.0	27.3	(0)	81.0	5.11
		eP		06 23 48	LZ	16	25.4	(2)		
		eP	AS	06 23 58.9	Z	2.0	30.3	(1)		5.86
		e		06 26 25	Z	3.4	40.2	(1)		
		eS		06 33 40	LR	999.9	99.9	(9)		
		eS		06 33 57	R	4.4	87.9	(1)		
		eSS		06 39 14	LR	999.9	99.9	(9)		
		e		06 43 00	LR	999.9	99.9	(9)		
		eLQ		06 46 25	LT	999.9	99.9	(9)		
		eLR		06 50 35	LZ	999.9	99.9	(9)		
15	LC	eP		06 24 07.8	Z	1.4	48.9	(0)	86.0	5.32
		eP		06 24 08	LZ	999.9	99.9	(9)		
		eP	AS	06 24 18.7	Z	1.8	29.9	(1)		6.00
		e		06 25 10	LZ	15	99.7	(1)		
		e		06 26 52	Z	1.9	49.9	(0)		
		eS		06 34 28	LR	999.9	99.9	(9)		
		eS		06 34 36	R	3.7	27.7	(1)		
		eSS		06 40 00	LR	999.9	99.9	(9)		
		eSSS		06 43 50	LR	999.9	99.9	(9)		
		eLR		06 51 25	LZ	999.9	99.9	(9)		
15	DH	eP		06 24 46.0	Z	1.5	15.5	(1)	94.0	6.17
		eP		06 24 48	LZ	20	17.0	(2)		
		eP	AS	06 24 57	Z	2.0	52.8	(1)		6.58
		ePP		06 28 35	LZ	17	12.8	(2)		
		eSKS		06 35 22	LR	22	96.1	(1)		
		eS		06 35 53	LR	28	70.4	(2)		
		ePS		06 37 12	LT	24	28.7	(2)		
		e		06 43 35	LT	28	28.3	(2)		
		e		06 49 10	LR	33	53.8	(2)		
		eLQ		06 52 15	LR	47	10.4	(3)		
		eLR		06 59 22	LZ	30	99.9	(9)		
15	BR	eP		06 24 48.2	Z	1.2	31.6	(0)	94.0	5.58
		eP		06 24 49	LZ	18	15.2	(2)		
		ePP		06 28 39	LZ	7	17.3	(3)		
		eSP		06 37 10	LZ	25	26.8	(2)		
		e		06 49 25	LZ	33	28.1	(2)		
		eLR		06 53 20	LZ	21	99.9	(9)		
15	LV	eP		06 24 49.0	Z	1.3	58.9	(0)	94.0	5.81
		eP		06 24 50	LZ	15	19.3	(2)		
		e		06 26 37	LZ	17	52.6	(1)		
		ePP		06 28 38	LZ	20	49.8	(1)		
		e		06 35 15	LZ	23	14.0	(2)		
		e		06 37 25	LZ	25	20.7	(2)		
		e		06 42 32	LZ	31	99.9	(9)		
		e		06 46 27	LZ	27	36.0	(2)		
		eLR		06 55 25	LZ	999.9	99.9	(9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
						AS.			6.10
						AVG.			5.45
15	NP	eP	08 13 07.2	JZ	1	13.3	(0)		
15	08 42 16.9		51.5 N 177.8 W	ANDREANOF ALEUTIAN ISLANDS					
			H =033 KM MAG	4.20-		CGS			
15	LC	eP	09 21 02.5	Z	0.2	0.6	(0)	3.2	
		eS	09 21 42	R	0.3	3.1	(0)		
15	09 59 25.0		21.6 S 174.7 W	TONGA ISLANDS					
			H =033 KM MAG	4.20-		CBS			
15	10 18 30.1		15.8 S 175.3 W	TONGA ISLANDS					
			H =287 KM MAG	4.20-		CGS			
15	LC	eP	10 30 16.4	Z	0.7	3.1	(0)	81.0	4.24
15	LC	eP	11 17 36.9	Z	0.9	1.9	(0)		
15	DR	eP	11 54 27.1	Z	0.3	5.4	(0)	4.4	
		eS	11 55 21	T	0.4	6.0	(0)		
15	LC	eP	12 39 23.1	Z	0.9	4.9	(0)		
15	RK	eP	12 40 16.4	Z	0.6	10.3	(0)		
15	LC	eP	12 57 28.9	Z	0.2	7.3	(0)	0.1	
		eS	12 57 31	T	0.3	19.3	(0)		
15	14 36 01.2		10.0 S 78.6 W	COAST OF CENTRAL PERU					
			H =080 KM MAG	4.40-		CGS			
15	LC	eP	14 44 50.2	Z	0.9	3.9	(0)	50.0	4.34
15	DH	eP	14 45 05.4	Z	0.5	15.9	(0)	52.0	5.28
15	RK	eP	14 46 14.2	Z	0.7	13.4	(0)	62.0	5.12
						AVG.			4.91
15	14 57 51.1		20.0 S 178.9 W	FIJI ISLANDS					
			H =298 KM MAG	4.20-		CGS			
15	LC	eP	15 10 03.5	Z	0.9	1.9	(0)	87.0	4.03

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	DH	eP	15 02 05.5	Z	0.2	20.1 (0)	1.8	
15	BR	eP	15 02 08.0	Z	0.3	12.4 (0)	2.2	
15	DH	eS	15 02 30	R	0.2	11.8 (1)	1.8	
15	BR	eS	15 02 36	R	0.2	27.9 (0)	2.2	
15	17 25 05.9		13.8 S 69.3 W PERU BOLIVIA BORDER					
			H =543 KM MAG 7.7mb 80 PAS					
15	LV	eP	17 33 14.5	Z	0.6	10.2 (1)	51.0	5.43
		eP	17 33 15	LZ	999.9	99.9 (9)		
		e	17 33 28	Z	999.9	99.9 (9)		
		eS	17 39 58	T	2.6	26.7 (3)		
		eSCS	17 42 24	T	2.7	14.0 (3)		
		eP'P'	18 03 55	Z	1.0	76.6 (0)		
		e	18 05 03	Z	1.0	76.6 (0)		
		e	18 10 55	Z	1.5	18.0 (1)		
15	BR	eP	17 33 41.5	Z	999.9	99.9 (9)	54.0	
		eP	17 33 42	LZ	999.9	99.9 (9)		
		e	18 03 35	Z	0.6	25.8 (0)		
		e	18 11 11	Z	0.5	26.3 (0)		
15	DH	eP	17 33 55.2	Z	0.6	40.2 (1)	56.0	5.92
		eP	17 33 56	LZ	999.9	99.9 (9)		
		e	17 34 08	Z	999.9	99.9 (9)		
		eS	17 40 50	LR	999.9	99.9 (9)		
		e	17 41 12	Z	3.2	10.5 (3)		
		eSCS	17 42 57	R	2.3	49.5 (2)		
		e	18 01 26	Z	1.3	81.3 (0)		
		e	18 03 32	Z	0.9	48.7 (0)		
		eP'P'	18 03 47	Z	1.3	20.3 (1)		
		e	18 11 15	Z	0.5	11.9 (0)		
		eP'P'P'	18 22 40	Z	2.0	19.8 (1)		
15	LC	eP	17 34 09.0	Z	0.9	14.6 (1)	58.0	5.26
		eP	17 34 10	LZ	999.9	99.9 (9)		
		eS	17 41 27	T	1.8	85.9 (1)		
		e	17 41 37	T	999.9	99.9 (9)		
		eSCS	17 43 19	T	999.9	99.9 (9)		
		eSS	17 46 27	R	3.7	53.7 (2)		
		e	17 47 04	T	4.1	51.2 (2)		
		eP'P'	18 03 41	Z	1.2	85.0 (0)		
		eSKPP'	18 06 24	Z	1.6	12.8 (1)		
		e	18 11 31	Z	1.0	42.4 (0)		
		e	18 15 18	Z	1.7	37.4 (0)		
		eP'P'P'	18 22 19	Z	1.5	30.2 (0)		
		e	18 25 18	Z	2.0	40.1 (0)		
15	DR	eP	17 34 38.1	Z	0.7	78.6 (0)	63.0	5.26
		eP	17 34 40	LZ	999.9	99.9 (9)		
		eS	17 42 33	T	3.3	99.9 (9)		
		eSCS	17 43 46	T	999.9	99.9 (9)		
		e	17 44 08	T	2.5	16.6 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	17 44 32	T	3.4	33.1 (2)		
		e	18 01 38	Z	1.1	28.1 (0)		
		e	18 01 44	Z	1.1	67.5 (0)		
		e	18 03 20	Z	1.2	35.0 (0)		
		eP'P'	18 03 50	Z	1.5	21.4 (1)		
		eSKPP'	18 06 13	Z	1.6	15.1 (1)		
		e	18 11 50	Z	1.8	17.3 (1)		
		e	18 11 55	Z	1.4	83.2 (0)		
		e	18 14 40	Z	1.6	62.8 (0)		
		e	18 15 41	Z	1.8	57.8 (0)		
		eSKPP'	18 22 41	Z	1.5	26.8 (0)		
		e	18 25 13	Z	1.5	22.3 (0)		
15	RK	eP	17 35 09.2	Z	0.5	23.2 (0)	68.0	5.02
		e	17 42 10	LT	22	20.4 (2)		
		e	17 42 20	T	1.0	32.1 (1)		
		eS	17 43 12	LT	999.9	99.9 (9)		
		eSCS	17 44 26	T	1.6	11.8 (2)		
		e	17 46 50	LT	999.9	99.9 (9)		
		e	17 49 41	R	1.5	59.4 (1)		
		e	18 01 19	Z	0.9	35.9 (0)		
		e	18 02 54	Z	0.9	26.5 (0)		
		eP'P'	18 03 37	Z	1.0	71.4 (0)		
		eSKPP'	18 05 52	Z	2.0	55.4 (1)		
		e	18 09 06	Z	1.2	22.7 (0)		
		e	18 12 10	Z	1.2	49.2 (0)		
		e	18 16 02	Z	2.0	15.3 (1)		
		e	18 22 01	Z	1.6	14.4 (1)		
		e	18 25 23	Z	2.2	14.3 (1)		
15	MN	eP	17 35 20.8	Z	0.7	11.7 (1)	69.0	5.58
		eP	17 35 22	LZ	999.9	99.9 (9)		
		ePCP	17 35 33	Z	0.6	18.3 (1)		
		e	17 37 28	LZ	999.9	99.9 (9)		
		e	17 37 35	Z	0.9	44.1 (1)		
		eS	17 43 56	R	3.5	10.4 (3)		
		eSCS	17 44 32	R	3.5	91.1 (2)		
		e	17 45 05	T	3.5	11.4 (3)		
		e	17 56 33	Z	1.0	33.7 (0)		
		e	18 03 38	Z	1.0	10.1 (1)		
		eSKPP'	18 05 55	Z	1.4	16.0 (1)		
15	MV	eP	17 35 34.2	Z	0.5	72.4 (0)	72.0	5.46
		eP	17 35 36	LZ	999.9	99.9 (9)		
		ePCP	17 35 48	Z	999.9	99.9 (9)		
		epP	17 37 34	LZ	999.9	99.9 (9)		
		e	17 37 50	Z	0.7	21.1 (1)		
		e	17 38 00	T	1.3	46.8 (1)		
		eS	17 44 09	LT	999.9	99.9 (9)		
		eS	17 44 10	T	4.0	33.6 (2)		
		e	17 44 21	T	4.0	20.9 (3)		
		e	17 44 39	Z	3.5	68.1 (2)		
		e	17 44 58	R	4.0	13.9 (3)		
		e	17 46 07	Z	4.0	63.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	17 54 49	Z	1.0	17.6 (0)		
		e	17 55 55	Z	1.5	66.8 (0)		
		e	18 01 09	Z	1.0	20.2 (0)		
		e	18 01 58	Z	1.0	15.1 (0)		
		e	18 02 40	Z	0.8	10.4 (0)		
		ePP'	18 03 30	Z	1.0	55.5 (0)		
		eSKPP'	18 06 19	Z	1.5	16.3 (1)		
		eP'P'P'	18 22 45	Z	1.2	11.6 (0)		
		e	18 25 21	Z	2.2	63.1 (0)		
15	HW	eP	17 37 16.5	Z	0.7	40.7 (0)	91.0	5.50
		e	17 37 32	Z	0.6	53.1 (1)		
		ePP	17 41 12	Z	1.8	97.5 (1)		
		e	17 41 21	Z	1.4	19.5 (2)		
		eSKKS	17 47 08	T	3.4	71.4 (2)		
		e	17 54 55	Z	0.8	97.0 (0)		
15	NP	eP	17 37 30.0	JZ	.8	86.5 (0)	95.0	5.97
		eSKKP	17 57 26	JZ	3	14.4 (2)		
		e	18 03 41	R	5.0	74.4 (2)		
		e	18 19 47	JZ	.9	4.5 (0)		
		e	18 20 41	R	0.8	6.9 (0)		
		eP'P'P'	18 23 26	JZ	2.2	99.2 (0)		
							AVG.	5.48

15 19 14 27.4 40.2 S 71.8 W COAST OF SOUTHERN CHILE
H =058 KM MAG 4.10- CGS

15	LC	eP	19 30 12.6	Z	0.3	1.8 (0)	2.3	
		eS	19 30 43	T	0.4	4.8 (0)		
15	NP	eP	19 37 19.5	JZ	1	8.9 (0)		
15	LC	eP	19 46 00.6	Z	0.2	16.5 (0)	1.5	
		eS	19 46 19	T	0.3	8.8 (0)		
15	HW	eP	20 31 50.8	Z	0.2	11.7 (1)	0.5	
		eS	20 31 58	R	0.2	38.2 (1)		
15	HW	eP	21 01 37.6	Z	0.3	29.2 (0)	0.7	
		eS	21 01 48	T	0.3	62.0 (0)		

15 21 02 33.8 36.1 N 121.1 W MONTEREY CTY, CALIFORNIA
H =033 KM MAG 4.00- CGS

15	MV	eP	21 03 23.0	Z	0.3	17.1 (0)	3.1	4.55
		eS	21 04 00	R	0.4	21.7 (0)		

15 21 21 33.1 35.9 N 121.1 W MONTEREY COUNTY, CALIF.
H =033 KM MAG 4.00- CGS

15	MV	eP	21 22 23.6	Z	0.4	20.0 (0)	3.3	4.49

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	21 23 04	R	0.4	50.8 (0)		
15	BR	eP	21 28 55.5	Z	0.2	35.2 (0)	0.2	
		eS	21 29 00	T	0.2	51.7 (0)		
15	LC	eP	21 55 47.2	Z	0.3	1.8 (0)	2.1	
		eS	21 56 15	T	0.3	2.1 (0)		

15 22 29 47.1 21.0 S 179.2 W FIJI ISLANDS
H =597 KM MAG 4.90- CGS

15	LC	eP	22 41 33.2	Z	1.0	8.9 (0)	87.0	4.45
15	BR	eP	22 39 50.0	Z	0.3	20.5 (0)	0.9	
		eS	22 40 02	R	0.3	27.2 (0)		
15	DR	eP	22 59 11.8	Z	0.3	2.7 (0)	2.4	
		eS	22 59 43	R	0.4	5.4 (0)		
15	BR	eP	23 11 59.0	Z	0.2	16.6 (0)	0.9	
		eS	23 12 11	R	0.2	57.6 (0)		

15 23 57 02.8 69.8 N 8.9 E ARCTIC OCEAN REGION
H =033 KM MAG 4.90- CGS

16	RK	eP	00 05 34.8	Z	0.7	11.0 (0)	47.0	4.99

16 02 38 10.9 03.1 S 129.3 E CERAM SEA
H =094 KM MAG 4.60- CGS

16 03 00 24.3 06.3 S 129.0 E BANDA SEA
H =263 KM MAG 4.50- CGS

16 03 21 08.7 39.7 N 112.1 W CENTRAL UTAH
H =033 KM MAG 3.40- CGS

16	DR	eP	03 22 07.4	Z	0.4	3.1 (0)	4.0	3.99
		e	03 22 18	Z	0.6	16.3 (0)		
		eS	03 23 03	T	0.5	29.8 (0)		
16	MN	eP	03 22 23.2	Z	0.5	0.6 (0)	4.9	3.19
		e	03 22 39	Z	0.7	1.6 (0)		
		eL	03 23 44	R	1.0	11.5 (0)		
16	LC	eP	03 23 43.2	Z	0.7	1.2 (0)	9.0	4.27
		eL	03 25 31	R	0.7	1.9 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	3.81
16			07 01 03.7 41.5 N 112.2 W NORTHERN UTAH					
			H =033 KM MAG 3.60- CGS					
16	DR	eP	07 02 38.6	Z	0.5	1.1 (0)	5.3	3.62
		eS	07 03 47	T	0.7	7.0 (0)		
16			07 05 26.1 48.8 N 155.0 E KURILE ISLANDS REGION					
			H =033 KM MAG 4.50- CGS					
16	MN	eP	07 15 35.9	Z	0.8	1.9 (0)	60.0	4.22
16	DR	eP	07 16 19.2	Z	0.7	1.4 (0)	67.0	4.23
							AVG.	4.22
16	MV	eP	08 13 03.5	Z	0.3	3.4 (0)	2.9	
16	MN	eP	08 13 10.1	Z	0.6	0.6 (0)	3.3	
16	MV	eS	08 13 39	T	0.3	4.0 (0)	2.9	
16	MN	eS	08 13 52	R	0.5	7.4 (0)	3.3	
16	LC	eP	12 15 15.7	Z	0.5	6.4 (0)	0.1	
		eS	12 15 18	R	0.5	30.8 (0)		
16	DH	eP	15 09 21.8	Z	0.3	9.1 (0)	0.7	
		eS	15 09 45	R	0.4	39.5 (0)		
16	MN	eP	15 13 30.9	Z	0.3	0.5 (0)	3.9	
		eS	15 14 03	R	0.4	9.9 (0)		
16	MN	eL	15 26 39	LZ	25	79.3 (0)		
16	DR	eL	15 30 00	LZ	26	10.0 (1)		
16	LC	eL	15 34 08	LZ	29	71.2 (0)		
16	DH	eP	16 16 10.7	Z	0.6	10.7 (0)		
16			17 27 36.3 15.1 S 172.8 W TONGA ISLANDS REGION					
			H =033 KM MAG 4.50- CGS					
16	MN	eP	17 39 09.9	Z	1.2	2.5 (0)	74.0	4.06
16			20 49 52.1 02.1 N 126.1 E MOLUCCA PASSAGE					
			H =036 KM MAG 4.50- CGS					
16			22 28 45.0 43.9 N 142.1 E HOKKAIDO, JAPAN					
			H =081 KM MAG 4.50- CGS					
16			23 06 24.6 12.8 S 14.5 W SOUTH ATLANTIC OCEAN					
			H =033 KM MAG 5.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	LC	eP	23 20 03.1	Z	1.0	99.9 (9)	98.0	
		ePS	23 32 25	LR	18	23.4 (1)		
		eL	23 55 21	LZ	29	17.8 (1)		
16	DH	eL	23 42 50	LZ	24	36.0 (1)	78.0	
16	BR	eL	23 43 07	LZ	25	15.2 (2)	79.0	
16	LV	eL	23 47 05	LZ	33	64.5 (1)	86.0	
16	DR	eL	23 54 53	LZ	30	23.0 (1)	100.0	
16	MN	eL	23 56 39	LZ	30	28.1 (1)	108.0	
16			23 19 31.1 48.9 S 122.8 E SOUTH OF AUSTRALIA					
			H =033 KM					
16	MN	eP'	23 38 48.9	Z	1.1	4.1 (0)	136.0	
16	LC	eP'	23 38 55.9	Z	1.0	2.6 (0)	140.0	
17	LC	eL	00 25 50	LZ	19	16.1 (1)	140.0	
16	DR	eP'	23 39 01.2	Z	1.0	4.5 (0)	142.0	
17	DR	eL	00 26 35	LZ	27	25.9 (1)	142.0	
17	BR	eL	00 37 05	LZ	34	71.0 (1)	162.0	
17	DH	eL	00 38 45	LZ	30	33.9 (1)	166.0	
17	MV	eP	00 35 00.5	Z	1.0	4.7 (0)		
17	BR	eP	03 36 03.9	Z	0.7	8.2 (0)		
17			05 09 11.1 41.4 N 112.2 W NORTHERN UTAH					
			H =033 KM MAG 3.50- CGS					
17	DR	eP	05 10 28.4	Z	0.2	1.1 (0)	5.2	4.00
		e	05 10 45	Z	0.5	2.3 (0)		
		eL	05 11 54	T	0.6	11.1 (0)		
17	MN	eP	05 10 34.6	Z	0.6	1.3 (0)	5.4	3.63
							AVG.	3.81
17			05 33 40.1 20.0 S 174.0 W TONGA ISLANDS					
			H =033 KM MAG 4.60- CGS					
17	MN	eP	05 45 38.9	Z	0.9	2.5 (0)	78.0	4.25
		eL	06 13 00	LZ	18	93.8 (0)		
17	LC	eP	05 46 04.3	Z	0.8	1.5 (0)	83.0	4.18
		eL	06 15 10	LZ	21	94.8 (0)		
17	DR	eP	05 46 13.5	Z	0.9	1.8 (0)	84.0	4.22
							AVG.	4.21
17			06 17 36.4 52.4 N 168.7 W FOX ALEUTIAN ISLANDS					
			H =033 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	MN	eP	06 24 54.0	Z	1.0	1.6 (0)	37.0	3.78
17	RK	eP	06 25 46.1	Z	0.6	2.0 (0)	45.0	4.16
17	LC	eP	06 26 18.5	Z	1.0	2.5 (0)	48.0	4.21
							AVG.	4.05
17	09 35 25.*		34.2 S 179.9 W KERMADEC ISLANDS REGION					
			H =368 KM MAG 4.30- CGS					
17	MN	eP	09 47 54.5	Z	1.0	1.6 (0)	92.0	3.92
17	MN	eP	10 17 34.5	Z	0.2	11.0 (0)	0.1	
		eS	10 17 37	R	0.3	14.5 (0)		
17	10 23 15.5		40.4 N 110.7 W UTAH					
			H =033 KM MAG 3.50- CGS					
17	MN	eP	10 25 01.7	Z	0.7	0.8 (0)		
17	11 12 41.2		30.6 N 130.9 E RYUKYU ISLANDS REGION					
			H =033 KM MAG 5.60- CGS					
17	NP	eP	11 23 19.2	JZ	1.3	28.0 (1)	65.0	6.23
17	MV	eP	11 25 06.7	Z	1.0	15.9 (0)	83.0	5.10
		eP	11 25 07	LZ	19	18.7 (2)		
		e	11 35 25	LT	24	99.9 (9)		
		e	11 35 26	T	4.5	65.1 (1)		
		ePPS	11 40 40	LT	27	37.2 (2)		
		e	11 44 35	LZ	27	33.7 (2)		
		eLQ	11 47 08	LT	26	99.9 (9)		
		eLR	11 51 15	LZ	27	52.5 (2)		
17	MN	iP	11 25 19.9C	Z	0.9	12.7 (0)	86.0	4.98
		eP	11 25 21	LZ	19	19.0 (2)		
		ePPP	11 30 47	LZ	20	78.1 (1)		
		eSKS	11 35 48	LR	22	34.8 (2)		
		eSKS	11 35 52	T	5.0	97.6 (1)		
		eS	11 36 03	T	5.5	12.6 (2)		
		ePPS	11 37 02	LR	29	34.0 (2)		
		eSS	11 41 05	LT	28	99.9 (9)		
		eLQ	11 45 15	LR	25	44.1 (2)		
		eLR	11 50 05	LZ	22	26.3 (2)		
17	RK	eP	11 25 37.7	Z	0.9	56.8 (0)	90.0	5.76
		ePP	11 29 09	Z	2.7	39.0 (1)		
		eSKS	11 36 01	R	2.0	63.7 (0)		
17	DR	eP	11 25 53.5	Z	0.9	12.2 (0)	93.0	5.30

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	11 25 55	LZ	17	14.4 (2)		
		ePP	11 29 35	LZ	19	74.4 (1)		
		ePPP	11 31 49	LZ	23	48.9 (1)		
		eS	11 36 55	LT	29	75.1 (2)		
		eS	11 36 59	T	3.5	22.2 (1)		
		eLR	11 57 42	LZ	27	10.6 (2)		
		eL	12 05 00	LT	23	79.9 (2)		
		eL	12 05 00	LR	22	69.9 (2)		
		eL	12 05 00	LZ	24	51.3 (2)		
17	LC	eP	11 26 11.5	Z	1.1	3.1 (0)	97.0	4.82
		eP	11 26 13	LZ	18	98.5 (1)		
		ePP	11 30 13	Z	1.5	18.9 (0)		
		ePP	11 30 15	LZ	27	67.2 (1)		
		eSKS	11 36 55	LR	26	13.6 (2)		
		eLR	11 57 50	LZ	22	99.9 (9)		
17	DH	eP	11 26 44	LZ	20	99.9 (9)	104.0	
		ePP	11 31 02	LZ	18	17.0 (2)		
		eS	11 38 22	LR	25	20.9 (2)		
		eLQ	11 46 00	LR	29	36.2 (2)		
		eLR	12 04 30	LZ	22	43.4 (2)		
17	BR	eP	11 26 45	LZ	17	11.6 (2)	105.0	
		ePP	11 31 05	LZ	18	14.7 (2)		
		eL	11 50 55	LZ	21	17.5 (2)		
17	LV	ePD	11 26 53	LZ	19	66.6 (1)	106.0	
		ePP	11 31 06	LZ	16	18.3 (2)		
		eL	11 40 21	LZ	22	12.1 (2)		
							AVG.	5.36
17	11 33 28.*		63.4 S 169.5 E BALLENY ISLANDS REGION					
			H =033 KM					
17	MN	eP	12 30 36.4	Z	999.9	99.9 (9)		
17	MV	eP	12 31 20.5	Z	0.5	12.0 (0)	2.7	
		eS	12 31 54	T	0.4	13.8 (0)		
17	11 34 23.4		17.7 N 94.3 W VERACRUZ, MEXICO					
			H =163 KM MAG 4.90- CGS					
17	LV	eP	11 37 43.5	Z	1.1	86.6 (0)	15.0	5.02
		e	11 37 50	Z	0.7	22.6 (1)		
17	LC	eP	11 38 27.9	Z	0.5	15.5 (0)	18.0	4.61
17	DR	eP	11 39 16.5	Z	0.8	34.8 (0)	23.0	4.92
		ePP	11 39 51	Z	1.0	25.7 (0)		
17	BR	eP	11 39 39.9	Z	0.9	11.1 (0)	26.0	4.51
17	DH	eP	11 40 13.3	Z	0.7	68.8 (0)	29.0	5.49
17	MN	iP	11 40 14.2D	Z	1.0	66.5 (0)	29.0	5.28
		ePCP	11 43 14	Z	0.9	9.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	MV	eP	11 40 34.3	Z	1.2	12.2 (0)	32.0	4.44
		ePCP	11 43 20	Z	1.0	12.7 (0)		
17	RK	eP	11 40 44.1	Z	0.9	41.6 (0)	33.0	5.13
		eSCP	11 46 50	Z	1.0	36.9 (0)		
17	NP	eP	11 44 14.0	JZ	.8	31.2 (0)	60.0	5.23
							AVG.	4.95
17	BR	eP	14 02 37.2	Z	0.4	5.6 (0)	3.0	
		eS	14 03 15	R	0.7	33.5 (0)		
17	RK	eP	16 19 42.1	Z	0.7	2.4 (0)		
17	BR	eP	16 26 27.6	Z	0.4	11.3 (0)	0.4	
		eS	16 26 34	R	0.6	18.2 (0)		
17	BR	eP	16 27 06.4	Z	0.4	9.2 (0)	0.3	
		eS	16 27 11	R	0.4	20.5 (0)		
17	RK	eP	16 27 55.6	Z	0.8	2.9 (0)		
17	DH	eP	17 01 28.0	Z	0.3	22.7 (0)	1.9	
17	BR	eP	17 01 28.2	Z	0.3	8.8 (0)	2.0	
17	DH	eS	17 01 53	R	0.5	28.3 (0)	1.9	
17	BR	eS	17 01 54	R	0.5	13.4 (0)	2.0	
17	RK	eP	17 12 19.3	Z	0.6	2.0 (0)		
17	RK	eP	18 06 24.8	Z	1.0	4.9 (0)		
17	LC	eP	18 10 58.6	Z	0.3	13.7 (0)	1.4	
		eS	18 11 17	T	0.3	6.7 (0)		
17	MN	eP	19 31 56.9	Z	1.1	4.1 (0)		
17	LC	eP	19 32 22.5	Z	1.1	3.1 (0)		
17	RK	eP	19 44 51.8	Z	0.2	3.5 (0)	4.2	
		eS	19 45 42	R	0.5	51.9 (0)		
17	RK	eP	19 55 38.5	Z	1.0	4.9 (0)		
17	20 56 42.*		20.3 S 67.4 W SOUTHERN BOLIVIA					
			H =033 KM MAG 4.60- CGS					
17	BR	eP	21 06 56.8	Z	0.7	30.8 (0)	61.0	5.51
17	RK	eP	21 08 20.4	Z	0.7	7.3 (0)	75.0	4.75
		e	21 11 44	Z	1.0	4.9 (0)		
							AVG.	5.13
17	21 58 54.4		36.7 N 59.7 E NORTHERN IRAN					
			H =033 KM MAG 4.80- CGS					
17	22 15 22.2		32.1 N 40.9 W NORTH ATLANTIC OCEAN					
			H =033 KM MAG 4.80- CGS					
17	RK	eP	22 23 18.4	Z	0.8	2.9 (0)	43.0	4.06
17	MN	eP	22 25 39.1	Z	1.0	2.4 (0)	62.0	4.33

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	22 47 50	LZ	30	32.7 (1)		
17	LV	eL	22 35 39	LZ	31	24.5 (1)	43.0	
17	DR	eL	22 41 44	LZ	29	22.2 (1)	54.0	
17	LC	eL	22 41 57	LZ	33	24.1 (1)	55.0	
17	MV	eL	22 47 15	LZ	26	13.6 (1)	64.0	
							AVG.	4.19
18	DR	eP	01 17 46.9	Z	0.5	1.3 (0)	3.3	
		eS	01 18 26	T	0.5	3.9 (0)		
18	BR	eP	02 19 14.3	Z	0.2	4.9 (0)	1.5	
		eS	02 19 34	R	0.4	11.9 (0)		
18	07 09 51.6		35.9 N 139.2 E CENTRAL HONSHU, JAPAN					
			H =153 KM MAG 4.80- CGS					
18	MV	eP	07 21 15.8	Z	1.1	5.8 (0)	75.0	4.26
18	MN	eP	07 21 30.1	Z	0.8	2.9 (0)	77.0	4.11
18	RK	eP	07 21 54.0	Z	0.8	5.8 (0)	82.0	4.40
18	DR	eP	07 22 07.9	Z	0.7	4.1 (0)	84.0	4.37
18	LC	eP	07 22 26.9	Z	0.8	1.4 (0)	88.0	3.96
							AVG.	4.22
18	10 18 10.0		07.5 N 74.1 W COLOMBIA					
			H =033 KM MAG 3.80- CGS					
18	LC	eP	11 23 23.2	Z	0.7	1.2 (0)		
18	MN	eP	11 27 08.5	Z	0.5	3.1 (0)	1.3	
		eS	11 27 26	R	0.4	8.5 (0)		
18	15 58 14.3		19.5 N 45.4 W NORTH ATLANTIC OCEAN					
			H =033 KM MAG 4.20- CGS					
18	LV	eL	16 20 39	LZ	20	11.3 (1)	43.0	
18	LC	eL	16 24 18	LZ	36	84.6 (0)	56.0	
18	DR	eL	16 30 00	LR	19	84.3 (0)	57.0	
18	MN	eL	16 33 27	LZ	19	13.1 (1)	65.0	
18	MV	eL	16 34 30	LZ	22	13.2 (1)	67.0	
18	MV	eP	16 15 27.9	Z	0.2	11.9 (0)	1.6	
		eS	16 15 36	R	0.3	27.7 (0)		
18	LC	eP	18 12 19.3	Z	0.3	18.0 (0)	1.5	
		eS	18 12 39	R	0.3	11.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18		18 43 16.1	50.3 N 176.9 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 5.50- CGS					
18	MV	eP	18 50 51.0	Z	0.9	69.9 (0)	40.0	5.35
		eP	18 50 53	LZ	15	52.1 (1)		
		ePCP	18 52 54	Z	1.1	40.6 (0)		
		eLQ	18 57 02	LT	16	79.2 (1)		
		eLR	19 00 53	LZ	19	10.3 (2)		
		eL	19 03 11	LR	23	13.5 (2)		
		eL	19 03 11	LT	17	67.1 (1)		
		eL	19 03 11	LZ	22	20.3 (2)		
18	MN	iP	18 51 11.6D	Z	0.9	29.4 (0)	43.0	5.01
		eP	18 51 13	LZ	15	60.5 (1)		
		ePCP	18 53 02	Z	1.1	25.6 (0)		
		eLQ	18 57 56	LR	21	79.9 (1)		
		eLR	19 01 27	LZ	19	87.9 (1)		
		eL	19 03 45	LR	21	14.1 (2)		
		eL	19 03 45	LT	18	16.2 (2)		
		eL	19 03 45	LZ	23	14.1 (2)		
18	DR	eP	18 52 07.1	Z	0.9	11.0 (0)	50.0	4.79
		eP	18 52 08	LZ	15	65.5 (1)		
		eS	18 59 29	LR	28	99.3 (1)		
		eS	18 59 34	R	3.7	23.2 (1)		
		eSCS	19 02 00	LR	16	36.6 (1)		
		eLQ	19 03 03	LR	20	98.9 (1)		
		eLR	19 07 27	LZ	30	21.8 (2)		
18	RK	iP	18 52 09.4D	Z	0.7	14.2 (1)	50.0	6.00
18	LC	eP	18 52 36.9	Z	0.7	26.4 (0)	54.0	5.37
		eP	18 52 38	LZ	16	46.6 (1)		
		eS	19 00 12	LT	15	76.0 (1)		
		eLQ	19 04 19	LR	20	10.7 (2)		
		eLR	19 09 10	LZ	23	72.3 (1)		
		eL	19 13 11	LR	23	13.7 (2)		
		eL	19 13 11	LT	19	11.5 (2)		
		eL	19 13 11	LZ	20	11.7 (2)		
18	LV	eP	18 53 41.4	Z	1.0	17.5 (1)	63.0	6.07
		eP	18 53 43	LZ	15	88.4 (1)		
		eL	19 16 50	LZ	19	87.4 (1)		
18	BR	eP	18 53 54.5	Z	0.9	67.3 (0)	65.0	5.77
		eP	18 53 55	LZ	12	26.1 (2)		
		eLR	19 02 31	LZ	20	48.4 (2)		
18	DH	eP	18 53 58.0	Z	0.9	37.5 (1)	65.0	6.52
		eP	18 53 59	LZ	17	14.6 (2)		
		eLQ	19 16 15	LR	29	18.8 (2)		
		eLR	19 19 10	LZ	25	24.1 (2)		
							AVG.	5.61
18		19 52 40.6	18.0 S 178.3 W FIJI ISLANDS H =544 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	MV	eP	20 03 43.5	Z	0.9	4.8 (0)	78.0	3.92
18	MN	eP	20 03 52.2	Z	0.9	5.1 (0)	80.0	3.95
18	LC	eP	20 04 20.7	Z	1.0	3.7 (0)	85.0	3.97
							AVG.	3.94
18		20 18 29.9	22.5 S 175.2 W TONGA ISLANDS H =033 KM MAG 4.70- CGS					
18	MV	eP	20 30 35.6	Z	1.0	3.1 (0)	79.0	4.23
18	MN	eP	20 30 43.5	Z	0.9	4.4 (0)	81.0	4.43
		eLQ	20 51 36	LR	17	57.1 (1)		
		eL	20 57 50	LZ	22	20.2 (1)		
18	LC	eP	20 31 06.4	Z	0.9	2.9 (0)	85.0	4.41
		eLR	21 00 00	LZ	19	23.1 (1)		
							AVG.	4.35
18		20 27 41.9	32.1 S 178.1 W KERMADEC ISLANDS REGION H =033 KM MAG 5.00- CGS					
18	MV	eP	20 40 30.9	Z	0.9	4.8 (0)	88.0	4.73
		eLR	21 09 25	LZ	23	92.8 (1)		
		eL	21 14 25	LT	19	12.1 (2)		
		eL	21 14 25	LR	19	41.4 (1)		
		eL	21 14 25	LZ	19	24.5 (2)		
18	MN	eP	20 40 37.1	Z	1.2	11.5 (0)	90.0	4.94
		eLR	21 10 20	LZ	21	93.4 (1)		
		eL	21 21 10	LT	17	16.6 (2)		
		eL	21 21 10	LR	18	56.7 (1)		
		eL	21 21 10	LZ	18	20.0 (2)		
18	LC	eP	20 40 53.4	Z	0.9	1.9 (0)	93.0	4.50
		eLR	21 15 45	LZ	19	87.3 (1)		
18	BR	eL	21 16 09	LZ	21	26.8 (1)	116.0	
18	LV	eL	21 18 10	LZ	20	26.3 (1)	103.0	
18	DH	eL	21 29 10	LZ	22	92.7 (1)	119.0	
							AVG.	4.72
18		23 07 54.2	14.2 S 71.9 W SOUTHERN PERU H =031 KM MAG 4.60- CGS					
18	DR	eP	23 18 10.2	Z	0.8	2.1 (0)	61.0	4.29
18	LC	eP	23 14 26.1	Z	0.8	2.2 (0)		
19	DH	eL	01 31 46	LR	25	16.7 (1)		
19	BR	eL	01 33 00	LZ	25	90.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	01 34 38.*		09.0 S 111.0 W	2000 KM S W GALAPAGOS IS.				
			H =033 KM MAG	4.10-	CGS			
19	MN	eL	01 50 45	LZ	20	8.1 (0)	48.0	
19	LC	e	01 54 15	LR	23	25.7 (1)	41.0	
		eLR	01 56 39	LZ	21	20.5 (1)		
		eL	01 57 45	LT	19	22.6 (1)		
		eL	01 57 45	LR	20	95.2 (0)		
		eL	01 57 45	LZ	19	25.0 (1)		
19	MV	eL	01 58 55	LZ	24	20.8 (0)	49.0	
19	MN	eP	03 01 55.5	Z	0.3	1.1 (0)	0.2	
		eS	03 02 01	R	0.3	7.0 (0)		
19	04 24 00.4		32.0 S 177.9 W	KERMADEC ISLANDS REGION				
			H =033 KM MAG	4.80-	CGS			
19	MV	eP	04 36 49.5	Z	1.0	3.1 (0)	88.0	4.50
		eS	04 47 45	LR	16	23.9 (1)		
		eLQ	05 00 10	LR	25	12.6 (1)		
		eLR	05 05 45	LZ	22	26.5 (1)		
19	MN	eP	04 36 56.0	Z	0.9	7.0 (0)	89.0	4.86
		eL	05 06 27	LZ	24	20.2 (0)		
19	LC	eS	04 48 15	LT	19	21.3 (1)	93.0	
		ePS	04 49 37	LT	20	16.2 (1)		
		eLQ	05 04 21	LR	18	27.0 (1)		
		eLR	05 10 10	LZ	10	23.0 (1)		
		eL	05 12 51	LR	20	31.3 (1)		
		eL	05 12 51	LT	20	30.2 (1)		
		eL	05 12 51	LZ	21	41.1 (1)		
19	DR	eS	04 48 50	LR	20	16.1 (1)	95.0	
		eLQ	05 04 26	LR	18	15.7 (1)		
		eLR	05 10 35	LZ	21	27.8 (1)		
19	LV	eL	05 12 25	LZ	24	95.9 (0)	103.0	
19	BR	eL	05 21 55	LZ	25	11.2 (1)	116.0	
19	DH	eLR	05 25 00	LZ	24	29.4 (1)	120.0	
		eL	05 28 37	LR	19	58.5 (1)		
		eL	05 28 37	LT	19	16.3 (1)		
		eL	05 28 37	LZ	19	10.4 (2)		
						AVG.		4.68
19	05 53 45.1		17.6 S 168.0 E	NEW HEBRIDES ISLANDS				
			H =033 KM					
19	06 24 23.9		41.0 N 143.5 E	OFF COAST N. HONSHU, JAPAN				
			H =025 KM MAG	4.30-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	07 29 40.5		45.6 S 95.7 E	INDIAN OCEAN				
			H =033 KM					
19	MV	eP'	07 49 30.5	Z	0.9	6.1 (0)	152.0	
19	MN	eP'	07 49 31.5	Z	1.0	1.6 (0)	154.0	
19	NP	eP	09 11 02.3	JZ	.5	3.0 (0)	0.2	
		eS	09 11 06	T	0.5	2.8 (0)		
19	09 39 00.*		40.9 N 126.0 W	OFF COAST NORTH CALIFORNIA				
			H =033 KM MAG	4.10-	CGS			
19	MV	eP	09 39 57.5	Z	0.3	2.2 (0)	4.0	3.98
19	MN	eP	09 40 35.0	Z	0.9	1.2 (0)	7.0	3.78
		eL	09 42 30	LZ	22	54.7 (0)		
19	DR	eP	09 42 26.7	Z	1.1	3.0 (0)	15.0	3.64
		eL	09 47 12	LT	18	12.8 (1)		
19	LC	eL	09 47 55	LT	25	43.7 (1)	18.0	
							AVG.	3.80
19	09 51 25.2		59.8 S 25.9 W	SANDWICH ISLANDS REGION				
			H =033 KM					
19	11 49 26.4		45.7 S 95.9 E	INDIAN OCEAN				
			H =033 KM					
19	MN	eP'	12 09 11.7	Z	1.0	1.6 (0)	154.0	
19	MV	eP'	12 09 19.5	Z	1.0	7.9 (0)	152.0	
19	HW	eP	12 03 12.2	Z	0.3	68.0 (0)	0.6	
		eS	12 03 21	T	0.3	17.6 (1)		
19	NP	eP	14 26 28.6	JZ	.5	1.1 (0)	1.6	
		eS	14 26 50	T	0.5	10.6 (0)		
19	DH	eP	14 37 59.0	Z	0.3	37.9 (0)	1.8	
		eS	14 38 24	R	0.4	45.8 (0)		
19	14 58 59.5		41.5 N 141.8 E	OFF E. COAST HONSHU, JAPAN				
			H =117 KM MAG	4.00-	CGS			
19	MN	eP	15 10 22.5	Z	1.2	3.8 (0)	72.0	4.08

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	NP	eP	15 00 10.0	JZ	.7	3.0 (0)		
19	MN	eP	15 43 47.0	Z	0.3	2.3 (0)	0.5	
		eS	15 43 55	T	0.3	3.6 (0)		
19	BR	eP	16 16 58.7	Z	0.3	2.2 (0)	0.7	
		eS	16 17 00	R	0.3	26.5 (0)		
19	DH	eP	16 24 46.5	Z	0.2	20.2 (0)	1.8	
19	BR	eP	16 24 48.7	Z	0.3	10.3 (0)	2.1	
19	DH	eS	16 25 11	R	0.4	45.8 (0)	1.8	
19	BR	eS	16 25 17	R	0.3	22.3 (0)	2.1	
19	16 54 01.3		17.0 S 168.8 E NEW HEBRIDES ISLANDS H =231 KM MAG 3.80- CGS					
19	NP	eP	18 28 19.4	JZ	.4	1.5 (0)	0.3	
		eS	18 28 25	T	0.3	29.2 (0)		
19	19 09 48.2		06.1 S 130.7 E BANDA SEA H =033 KM MAG 4.30- CGS					
19	BR	eP	19 16 45.5	Z	0.3	1.4 (0)	0.1	
		eS	19 16 48	R	0.3	11.1 (0)		
19	BR	eP	19 47 17.0	Z	0.3	7.3 (0)	1.3	
		eS	19 47 35	R	0.3	32.7 (0)		
19	BR	eP	20 17 53.0	Z	0.2	13.7 (0)	1.0	
		eS	20 18 06	R	0.2	24.1 (0)		
19	NP	eP	20 24 02.6	Z	.6	3.1 (0)		
19	LC	eP	20 40 17.8	Z	0.2	18.3 (0)	1.4	
		eS	20 40 38	R	0.3	10.7 (0)		
19	MN	eP	21 50 31.7	Z	0.2	6.3 (0)	0.5	
		eS	21 50 39	T	0.2	9.7 (0)		
19	BR	eP	21 58 36.0	Z	0.5	1.1 (0)	2.9	
		eS	21 59 10	R	0.5	20.6 (0)		
19	LC	eL	22 37 15	Z	20	32.2 (0)		
19	MN	eL	22 39 40	Z	20	6.1 (0)		
20	HW	eP	02 41 05.0	Z	0.3	33.0 (0)	0.1	
20	00 27 40.*		21.9 S 175.8 W TONGA ISLANDS H =033 KM MAG 4.20- CGS					
20	MN	eP	00 39 54.5	Z	0.9	1.2 (0)	81.0	3.88
20	MV	eL	01 06 15	Z	20	68.2 (0)	79.0	
20	LC	eL	01 09 32	Z	22	50.3 (0)	85.0	
20	BR	eL	01 24 25	Z	20	69.1 (0)	109.0	
20	MN	eP	04 39 10.9	Z	0.2	26.9 (0)	0.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	04 39 21	R	0.3	14.1 (0)		
20	04 57 16.*		18.8 S 174.2 W TONGA ISLANDS H =025 KM MAG 3.90- CGS					
20	MN	eP	05 05 27.8	Z	0.4	3.4 (0)	0.1	
		eS	05 05 31	R	0.4	10.2 (0)		
20	06 39 57.*		05.5 S 145.8 E NEAR COAST N E NEW GUINEA H =090 KM					
20	06 53 28.*		06.9 S 103.0 E OFF COAST OF SUMATRA H =061 KM					
20	LV	eL	08 30 10	LZ	15	89.4 (0)		
20	09 20 26.7		27.8 S 176.5 W KERMADEC ISLANDS H =037 KM					
20	MV	eL	10 05 55	LZ	18	10.6 (1)	84.0	
20	MN	eL	10 07 50	LZ	18	96.8 (0)	86.0	
20	09 25 38.9		16.0 N 92.4 W CHIAPAS, MEXICO H =193 KM MAG 4.20- CGS					
20	LC	eP	09 30 05.0	Z	0.5	5.3 (0)	21.0	4.31
20	DR	eP	09 30 51.0	Z	1.0	2.4 (0)	25.0	3.76
20	MN	eP	09 31 47.8	Z	1.0	5.8 (0)	32.0	4.17
		esP	09 32 43	Z	1.2	12.7 (0)		
							AVG.	4.08
20	MV	e	09 32 59.5	Z	0.8	1.9 (0)		
20	12 59 28.6		37.1 N 139.3 E CENTRAL HONSHU, JAPAN H =053 KM MAG 4.10- CGS					
20	13 19 50.3		04.1 N 76.5 W COLOMBIA H =059 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	LC	eP	13 27 21.0	Z	1.0	6.4 (0)	40.0	4.32
20	DR	eP	13 27 53.4	Z	1.0	4.8 (0)	44.0	4.18
20	MN	eP	13 28 49.1	Z	1.0	4.9 (0)	51.0	4.45
							AVG.	4.31
20	BR	eP	15 02 36.6	Z	0.4	36.3 (0)	0.1	
		eS	15 02 40	R	0.5	65.3 (0)		
20	BR	eP	15 30 12.1	Z	0.5	8.7 (0)	2.3	
		eS	15 30 41	R	0.4	17.2 (0)		
20	15 48 12.2		41.2 N 142.7 E OFF E. COAST HONSHU, JAPAN					
			H =050 KM MAG 4.50- CGS					
20	NP	eP	15 57 19.2	JZ	1.2	45.8 (0)	52.0	5.33
20	MN	eP	15 59 31.2	Z	1.0	8.3 (0)	72.0	4.67
		e	15 59 46	Z	1.1	31.8 (0)		
		eS	16 08 52	LR	24	22.1 (1)		
		eSS	16 13 26	LT	24	24.8 (1)		
		eSSS	16 17 05	LT	25	29.8 (1)		
		eLQ	16 20 10	LT	25	44.7 (1)		
		eLR	16 21 57	LZ	29	53.6 (1)		
		eL	16 24 58	LR	23	61.1 (1)		
		eL	16 24 58	LT	22	33.3 (1)		
		eL	16 24 58	LZ	23	67.8 (1)		
20	DR	eP	16 00 00.5	Z	0.5	1.3 (0)	78.0	4.18
		eP	16 00 05	LZ	28	27.3 (1)		
		e	16 10 08	LR	22	36.3 (1)		
		eL	16 23 00	Z	2.0	90.3 (0)		
		eL	16 26 05	LR	27	21.9 (1)		
20	LC	eP	16 00 34.5	Z	1.0	2.5 (0)	83.0	4.26
		eP	16 00 45	LZ	20	63.2 (0)		
		e	16 00 48	Z	1.1	19.0 (0)		
		eS	16 10 48	LR	27	31.9 (1)		
		eSS	16 16 27	LR	33	32.4 (1)		
		eSSS	16 20 01	LR	27	38.8 (1)		
		eLQ	16 29 45	LT	32	31.1 (1)		
		eLR	16 30 25	LZ	25	43.1 (1)		
		eL	16 31 10	LZ	24	43.8 (1)		
		eL	16 31 10	LR	24	52.2 (1)		
		eL	16 31 10	LT	21	26.4 (1)		
20	DH	eP	16 01 08.5	Z	1.0	21.5 (0)	90.0	5.28
		eSP	16 13 05	LZ	20	18.1 (1)		
		eL	16 32 55	LR	40	35.7 (1)		
20	BR	eP	16 01 12.5	Z	0.9	6.4 (0)	91.0	4.90
		eL	16 35 00	LZ	25	13.6 (1)		
20	MV	eS	16 08 23	LR	18	19.4 (1)	69.0	
		eLR	16 20 40	LZ	31	55.8 (1)		
		eL	16 23 38	LR	23	49.5 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	16 23 38	LT	23	51.4 (1)		
		eL	16 23 38	LZ	23	56.5 (1)		
20	LV	eL	16 32 35	LZ	35	58.6 (1)	91.0	
							AVG.	4.77
20	MN	eP	16 20 33.4	Z	0.4	1.1 (0)	0.6	
		eS	16 20 43	R	0.4	3.9 (0)		
20	DH	eP	16 51 38.5	Z	0.4	29.6 (0)	1.3	
		eS	16 52 03	R	999.9	99.9 (9)		
20	BR	eP	19 10 13.3	Z	0.4	6.5 (0)	0.9	
		eS	19 10 26	R	0.5	8.7 (0)		
20	19 43 56.6		30.2 S 177.8 W KERMADEC ISLANDS					
			H =043 KM MAG 4.20- CGS					
20	MN	eP	19 56 44.5	Z	0.9	1.2 (0)	88.0	4.12
20	LV	eL	20 22 10	LZ	32	12.3 (1)	102.0	
20	MN	eLR	20 24 25	LZ	27	15.2 (1)	88.0	
20	LC	eL	20 25 25	LZ	16	44.4 (0)	40.0	
20	LC	eP	19 52 05.0	Z	0.2	8.5 (0)	1.5	
		eS	19 52 26	T	0.3	12.0 (0)		
20	MV	eP	19 59 16.4	Z	1.3	12.5 (0)		
20	MV	e	19 59 29	Z	1.1	12.0 (0)		
20	BR	eP	20 04 33.2	Z	0.4	10.1 (0)	0.2	
		eS	20 04 38	R	0.4	15.9 (0)		
20	20 14 31.*		00.0 80.9 W OFF COAST OF ECUADOR					
			H =064 KM MAG 4.20- CGS					
20	MN	eP	20 23 33.7	Z	0.9	3.8 (0)	51.0	4.39
20	BR	eL	20 40 21	LZ	25	91.3 (0)	40.0	
20	MV	eL	20 30 05	LZ	20	91.0 (0)		
21	DR	eP	00 24 00.0	Z	0.3	3.8 (0)	2.2	
		eS	00 24 28	R	0.3	8.2 (0)		
21	02 41 32.6		05.5 S 147.7 E NEW BRITAIN REGION					
			H =164 KM MAG 4.40- CGS					
21	03 39 22.6		14.3 N 72.5 W CARIBBEAN SEA					
			H =033 KM MAG 5.40- CGS					

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
21	LV	eP		03 44 46.7	Z	1.0	41.6 (1)	25.0	6.02
		eP		03 44 47	LZ	14	53.4 (1)		
		eL		03 49 17	LZ	24	80.4 (1)		
21	BR	eP		03 44 55.0	Z	1.0	11.8 (1)	26.0	5.44
		eP		03 44 55	LZ	12	44.3 (1)		
		e		03 49 40	LZ	22	57.7 (1)		
		eS		03 49 50	T	1.0	11.4 (0)		
		eL		03 51 35	LZ	28	54.1 (1)		
21	DH	eP		03 45 12.7	Z	1.0	48.6 (0)	28.0	5.22
		eP		03 45 13	LZ	16	26.1 (1)		
		eLQ		03 50 00	LT	16	51.8 (1)		
		eLR		03 54 05	LZ	22	15.5 (2)		
21	LC	eP		03 46 21.9	Z	0.9	57.3 (0)	36.0	5.43
		eP		03 46 22	LZ	16	12.9 (1)		
		eP	AS	03 46 32.4	Z	0.9	33.6 (0)		5.20
		ePP		03 47 49	LZ	17	11.7 (1)		
		eS		03 52 00	LR	24	86.9 (1)		
		eL		03 54 45	LZ	23	36.5 (1)		
21	DR	eP		03 46 47.5	Z	1.0	54.3 (0)	39.0	5.23
		eP	AS	03 46 59.0	Z	0.9	24.1 (0)		4.92
		ePP		03 48 25	LZ	12	80.6 (1)		
		eS		03 52 56	LR	24	58.0 (1)		
		eL		03 55 25	LR	12	42.6 (1)		
21	RK	eP		03 46 57.6	Z	0.9	11.2 (1)	40.0	5.56
		eP	AS	03 47 09.1	Z	1.0	37.6 (0)		5.04
21	MN	eP		03 47 53.0	Z	1.0	83.3 (0)	47.0	5.72
		eS		03 54 55	LR	30	43.5 (1)		
		eL		03 58 45	LR	20	52.1 (1)		
		eL		04 05 00	LZ	25	31.8 (1)		
21	MV	eP		03 48 11.6	Z	1.1	34.8 (0)	49.0	5.26
		eP		03 48 12	LZ	15	73.1 (0)		
		eP	AS	03 48 22.7	Z	0.9	15.6 (0)		5.00
		ePPP		03 50 13	LZ	15	18.2 (1)		
		e		03 55 25	LR	32	29.2 (1)		
		eLQ		03 59 14	LR	24	54.9 (1)		
		eL		04 05 50	LT	34	67.5 (1)		
		eL		04 09 29	LT	22	97.2 (1)		
		eL		04 09 29	LR	25	40.6 (1)		
		eL		04 09 29	LZ	19	25.2 (1)		
21	NP	eP		03 50 11.1	JZ	.8	87.2 (0)	67.0	5.93
		eP	AS	03 50 23.0	JZ	.7	51.3 (0)		
		ePP		03 52 39	JZ	1.7	85.7 (0)		
								AS.	5.04
								AVG.	5.53

21 05 06 44.5 06.7 N 72.8 W COLOMBIA
H =182 KM MAG 3.80- CGS

21	LC	eP		05 14 08.0	Z	0.9	5.9 (0)	41.0	4.17

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
21	LC	eP		07 20 53.8	Z	0.8	1.5 (0)		
21	LC	e		07 39 23	Z	0.9	1.9 (0)		

21 10 17 01.* 08.3 S 108.8 E NEAR SOUTH COAST OF JAVA
H =225 KM

21	BR	eL		12 52 45	LZ	22	82.4 (0)		
21	MN	eP		15 04 10.1	Z	0.3	1.4 (0)	0.6	
		eS		15 04 18	T	0.3	99.9 (9)		
21	DH	eP		15 05 46.6	Z	0.4	33.5 (0)	1.8	
21	BR	eP		15 05 57.0	Z	0.5	5.5 (0)	2.3	
21	DH	eS		15 06 10	R	0.3	33.5 (0)	1.8	
21	BR	eS		15 06 21	R	0.5	17.4 (0)	2.3	
21	MN	eP		16 20 13.0	Z	0.3	1.7 (0)	0.6	
		eS		16 20 22	T	0.3	7.2 (0)		

21 17 33 45.8 20.2 N 108.6 W REVILLA GIGEDO IS. REGION
H =033 KM MAG 4.30- CGS

21	LC	eP		17 36 43.4	Z	1.1	4.7 (0)	12.0	4.50
		eL		17 39 51	LR	18	91.8 (1)		
21	DR	eP		17 37 48.0	Z	1.0	0.4 (0)	17.0	2.61
		eL		17 42 55	LZ	27	21.1 (1)		
21	MN	eP		17 38 15.5	Z	1.0	4.0 (0)	20.0	3.64
21	MV	eL		17 44 25	LZ	21	30.3 (1)	22.0	
21	MN	eL		17 44 45	LZ	23	32.0 (1)	20.0	
								AVG.	3.58

21 18 02 44.4 49.0 N 158.2 E KURILE ISLANDS REGION
H =033 KM MAG 4.90- CGS

21	MV	eP		18 12 22.2	Z	0.8	2.7 (0)	56.0	4.34
		ePCP		18 13 19	Z	0.7	1.5 (0)		
21	MN	eP		18 12 40.5	Z	0.9	3.7 (0)	58.0	4.42
21	DR	eP		18 13 25.5	Z	0.9	6.5 (0)	65.0	4.75
21	LC	eP		18 13 51.6	Z	0.7	1.9 (0)	69.0	4.30
								AVG.	4.45

21 18 20 52.8 51.8 N 176.5 W ANDREANOF ALEUTIAN ISLANDS
H =017 KM MAG 4.20- CGS

21	BR	eP		20 16 41.5	Z	0.3	7.5 (0)	0.8	
		eS		20 16 54	R	0.3	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	BR	eP	20 50 45.0	Z	0.3	19.6 (0)	0.2	
		eS	20 50 50	R	0.3	99.9 (9)		
21	BR	eP	21 02 17.5	Z	0.6	17.7 (0)		
21	BR	eP	21 31 12.5	Z	0.3	7.5 (0)	2.4	
		eS	21 31 43	R	0.3	15.1 (0)		
21	DH	eP	21 39 02.0	Z	0.2	11.5 (0)	1.2	
		eS	21 39 18	R	0.3	23.4 (0)		
21	LC	eP	21 53 57.3	Z	0.3	7.3 (0)	1.3	
		eS	21 54 15	R	0.3	6.2 (0)		
21	22 59 24.2		21.3 S 176.0 W TONGA ISLANDS					
			H =140 KM MAG 4.00- CGS					
21	LC	eP	23 11 46.5	Z	1.0	3.8 (0)	85.0	4.20
22	MN	eP	00 14 28.5	Z	0.3	5.3 (0)	1.2	
		eS	00 14 45	R	0.3	10.9 (0)		
22	03 58 43.2		63.2 N 148.5 W CENTRAL ALASKA					
			H =101 KM MAG 4.60- CGS					
22	NP	eP	04 02 28.0	JZ	1.3	76.0 (0)	16.0	4.76
		eS	04 05 20	T	1.3	34.0 (0)		
22	MV	eP	04 04 34.5	Z	1.1	16.4 (0)	29.0	4.57
		epP	04 05 03	Z	1.2	15.3 (0)		
22	MN	eP	04 04 51.2	Z	1.0	11.6 (0)	31.0	4.56
22	DR	eP	04 05 34.0	Z	1.0	10.8 (0)	36.0	4.73
		epP	04 06 02	Z	1.4	17.2 (0)		
22	LC	eP	04 06 13.8	Z	0.9	4.9 (0)	40.0	4.33
		eL	04 19 17	LZ	35	97.2 (0)		
22	BR	eP	04 07 00.5	Z	0.9	18.9 (0)	46.0	4.91
		ePCP	04 08 24	Z	0.5	6.1 (0)		
22	LV	eP	04 07 05.5	Z	0.8	20.4 (0)	47.0	5.00
							AVG.	4.69
22	04 33 54.2		34.1 N 116.2 W SAN BERNARDINO, CALIFORNIA					
			H =014 KM MAG 4.40- CGS					
22	MN	eP	04 35 05.5	Z	0.3	2.3 (0)	4.6	3.99
22	MV	eP	04 35 54.5	Z	0.7	3.3 (0)	7.0	4.40
		eL	04 37 20	R	0.8	10.0 (0)		
22	DR	eP	04 35 55.0	Z	0.4	0.8 (0)	8.0	4.23
		e	04 36 16	Z	0.5	4.5 (0)		
		eL	04 37 50	T	0.7	7.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	BR	eP	04 40 05	LZ	30	18.9 (1)	30.0	
		eL	04 44 30	LZ	40	51.3 (1)		
						AVG.		4.20
22	05 01 38.3		01.2 S 128.5 E HALMAHERA REGION					
			H =033 KM MAG 3.70- CGS					
22	LC	eL	05 58 35	LZ	25	10.0 (1)	119.0	
22	DR	eL	05 58 40	LZ	25	12.1 (1)	117.0	
22	LV	eL	06 06 35	LZ	22	95.6 (0)	131.0	
22	DH	eL	06 08 45	LZ	35	11.7 (1)	134.0	
22	BR	eP	05 22 30	LZ	20	11.3 (2)		
22	09 27 09.3		42.0 N 126.2 W OFF COAST OF OREGON					
			H =033 KM MAG 5.60- CGS					
22	MV	eP	09 28 18.2	Z	0.5	13.8 (0)	4.7	4.54
		eP	09 28 20	LZ	25	45.8 (1)		
		eS	09 29 14	R	0.6	60.9 (0)		
		eL	09 29 41	LR	14	76.6 (2)		
22	MN	eP	09 28 54.5	Z	0.4	4.0 (0)	7.0	4.63
		eP	09 28 55	LZ	33	73.5 (1)		
		e	09 31 00	LZ	999.9	99.9 (9)		
		e	09 33 43	T	7.0	39.6 (2)		
22	DR	eP	09 30 40.0	Z	1.4	43.1 (0)	15.0	4.68
		eP	09 30 42	LZ	15	53.9 (1)		
		e	09 32 34	Z	1.7	30.1 (0)		
		e	09 33 35	LZ	24	83.0 (1)		
		eL	09 34 40	LZ	25	41.4 (2)		
		eL	09 35 29	T	4.5	15.3 (1)		
22	LC	eP	09 31 25.2	Z	0.9	36.5 (0)	18.0	4.54
		eP	09 31 26	LZ	17	63.7 (1)		
		eS	09 35 00	LT	17	99.9 (9)		
		eS	09 35 00	LR	17	38.6 (1)		
		eL	09 35 54	LT	19	99.9 (9)		
22	RK	eP	09 32 23.3	Z	1.3	10.3 (1)	24.0	5.16
		eS	09 36 47	T	1.4	22.3 (0)		
22	LV	eP	09 33 10.0	Z	1.1	42.7 (0)	29.0	5.12
		eP	09 33 10	LZ	15	39.0 (1)		
		e	09 38 25	LZ	25	95.0 (1)		
		eL	09 41 22	LZ	35	13.8 (2)		
22	NP	eP	09 33 56.7	JZ	1	35.5 (0)	34.0	5.21
22	BR	eP	09 34 06.0	Z	1.5	72.3 (0)	35.0	5.38
22	DH	eP	09 34 23.5	Z	0.6	8.8 (0)	37.0	4.73
		eS	09 40 25	LR	27	35.0 (1)		

				INST	PER	AMPL	DIST	MAG
		eL	09 45 00	LT	40			
		ePP	09 55 55	LZ	15	23.9 (1)		
						AVG.		4.88
22	MN	e	11 07 38.5	Z	1.0	8.3 (0)		
22	LC	eP	12 08 07.3	Z	1.0	3.8 (0)		
22	12 13 11.4		33.7 N 118.0 W	ORANGE CTY., CALIFORNIA				
			H =014 KM MAG	4.30-	CGS			
22	MN	eP	12 14 24.5	Z	0.5	0.6 (0)	4.7	3.19
		e	12 14 35	Z	0.5	1.8 (0)		
		eL	12 15 41	R	0.6	8.3 (0)		
22	DR	eP	12 15 29.0	Z	0.5	0.4 (0)	9.0	4.07
		eL	12 17 57	Z	0.6	0.2 (0)		
						AVG.		3.63
22	MN	eP	12 35 16.0	Z	0.5	0.6 (0)		
22	MV	eL	12 36 15	LT	21	33.6 (1)		
22	LC	eL	12 44 10	LZ	23	12.5 (1)		
22	DH	eL	13 37 55	LZ	15	71.8 (1)		
22	14 39 28.*		01.9 S 133.9 E	IRIAN				
			H =033 KM MAG	4.30-	CGS			
22	15 53 56.*		14.5 S 71.8 W	SOUTHERN PERU				
			H =284 KM MAG	3.50-	CGS			
22	17 05 27.5		07.2 S 120.4 E	FLORES SEA				
			H =398 KM					
22	DH	eP	17 23 59.0	Z	0.5	31.9 (0)	0.8	
		eS	17 24 24	R	0.5	43.5 (0)		
22	LC	eP	18 11 03.1	Z	1.0	5.1 (0)		
22	LC	e	18 11 09	Z	1.0	6.4 (0)		
22	DR	eP	18 11 45.7	Z	1.0	9.6 (0)		
22	MN	eP	18 12 08.5	Z	1.5	12.2 (0)		
22	MV	eP	18 12 21.2	Z	0.7	1.6 (0)		
22	RK	eP	18 13 31.5	Z	1.0	4.9 (0)		
22	NP	eP	18 16 11.5	JZ	.9	12.1 (0)		
22	LC	e	18 16 51	LT	19	29.6 (1)		
22	DR	e	18 18 10	LR	23	24.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	18 18 49.3		03.8 S 104.2 W	WEST OF GALAPAGOS ISLANDS				
			H =033 KM MAG	4.30-	CGS			
22	LC	eP	18 25 51.0	Z	1.0	3.8 (0)	36.0	4.21
		eP	18 25 52	LZ	13	46.3 (1)		
		e	18 31 29	LT	21	48.5 (1)		
		eLQ	18 34 23	LR	25	99.9 (9)		
		eLR	18 36 26	LZ	17	94.3 (1)		
22	DR	eP	18 26 33.0	Z	1.0	3.6 (0)	41.0	4.09
22	MN	eP	18 26 57.5	Z	1.0	3.3 (0)	44.0	4.02
22	RK	eP	18 28 31.0	Z	0.9	5.6 (0)	55.0	4.59
22	NP	eP	18 30 59.0	JZ	.8	6.5 (0)	80.0	4.57
22	MV	eLQ	18 38 35	LR	25	85.7 (1)	45.0	
		eLR	18 40 31	LZ	22	28.1 (2)		
							AVG.	4.29
22	LC	e	18 19 44	LT	23	97.9 (1)		
22	LV	e	18 20 09	LZ	17	51.5 (1)		
22	DR	e	18 21 25	LT	30	72.6 (1)		
22	MN	eL	18 23 00	LZ	20	20.6 (1)		
22	MV	eLQ	18 23 50	LR	26	69.0 (1)		
22	DR	eL	18 25 10	LZ	24	68.4 (1)		
22	BR	eP	18 25 22	LZ	25	20.0 (1)		
22	MV	eLR	18 26 12	LZ	22	15.6 (2)		
22	BR	eL	18 28 20	LZ	30	37.9 (1)		
22	LV	e	18 34 56	LZ	16	91.8 (1)		
22	19 52 25.0		09.4 S 158.0 E	SOLOMON ISLANDS				
			H =033 KM MAG	6.75-	PAS			
22	HW	eP	20 01 44.5	Z	1.4	22.6 (1)	54.0	6.00
22	MV	eP	20 05 17.1	Z	1.1	10.2 (1)	88.0	5.97
		eP	20 05 20	LZ	10	11.8 (2)		
		eSKS	20 15 50	R	3.5	33.8 (1)		
		eSKS	20 15 50	LR	20	16.6 (2)		
		eLR	20 32 30	LZ	35	99.9 (9)		
22	MN	eP	20 05 27.7	Z	999.9	99.9 (9)	91.0	
		eP	20 05 30	LZ	28	63.1 (1)		
		eSKS	20 16 04	T	4.0	39.9 (1)		
		e	20 16 10	LZ	17	14.8 (2)		
22	NP	eP	20 05 56.3	JZ	1.1	15.8 (0)	97.0	5.52
		e	20 06 50	JZ	1.8	34.2 (0)		
		ePP	20 09 58	JZ	2	74.8 (0)		
		eSKS	20 16 34	T	2.8	12.8 (1)		
22	DR	eP	20 06 06.0	Z	1.5	21.3 (0)	99.0	5.61
		eP	20 06 08	LZ	24	24.4 (1)		
		ePP	20 10 00	LZ	16	27.7 (1)		

			E		INST	PER	AMPL		DIST	MAG
		ePP	20 10 04		Z	2.0	45.2 (0)			
		eSKS	20 17 25		LT	20	72.5 (1)			
22	LC	eP	20 06 07.6		Z	1.0	8.9 (0)		99.0	5.42
		eP	20 06 08		LZ	12	28.7 (1)			
		eSKS	20 16 45		LR	999.9	99.9 (9)			
22	RK	ePP	20 11 15		Z	1.2	15.0 (0)		109.0	
22	BR	eP'	20 11 17.0		Z	0.9	15.7 (0)		121.0	
		ePP	20 12 44		Z	2.0	17.9 (1)			
22	DH	eP'	20 11 21.5		Z	1.0	21.1 (0)		123.0	
22	LV	ePP	20 11 55		LZ	17	39.2 (1)		111.0	
		e	20 20 10		LZ	16	14.0 (2)			
22	DH	ePP	20 12 55		Z	2.0	19.8 (1)		123.0	
		ePP	20 13 35		LZ	15	35.9 (0)			
		e	20 16 38		Z	0.5	7.9 (0)			
		ePS	20 23 10		LT	25				
		ePKKS	20 25 00		LT	22				
		e	20 27 13		LT	20				
								AVG.		5.70

22 21 24 47.7 45.0 S 75.1 W NEAR COAST SOUTHERN CHILE
H =033 KM MAG 4.50- CGS

22 23 20 21.1 04.3 N 76.4 W COLOMBIA
H =100 KM MAG 4.90- CGS

22	DH	eP	23 27 31.0		Z	0.5	11.9 (0)		38.0	5.07
22	LC	eP	23 27 46.3		Z	0.9	16.8 (0)		40.0	4.87
22	DR	eP	23 28 19.5		Z	1.0	21.7 (0)		44.0	4.83
22	RK	eP	23 28 55.4		Z	0.9	26.3 (0)		49.0	5.16
22	MN	eP	23 29 15.0		Z	1.0	16.6 (0)		51.0	5.02
22	NP	eP	23 31 56.5		JZ	.7	17.7 (0)		76.0	5.00
								AVG.		4.99

23 03 45 17.6 44.7 N 146.1 E KURILE ISLANDS
H =135 KM MAG 4.50- CGS

23	NP	eP	03 53 44.7		JZ	.6	1.5 (0)		48.0	3.86
23	LC	eP	07 55 55.7		Z	1.0	2.5 (0)			
23	LC	e	08 08 05		LR	24	31.3 (1)			
23	LC	eL	08 10 25		LZ	19	26.5 (1)			
23	LV	eL	08 10 49		LZ	32	13.3 (1)			
23	MN	eL	08 12 30		LZ	25	27.6 (1)			
23	DR	eL	08 12 50		LZ	27	18.9 (1)			
23	MV	eL	08 12 55		LZ	22	28.8 (1)			

DAY	STA	PHASE	TIME		INST	PER	AMPL		DIST	MAG
23	BR	eL	08 23 42		LZ	18	10.5 (1)			
23	NP	eP	12 26 02.5		JZ	.7	3.5 (0)			
23	13 09 25.3		52.4 N 159.6 E EAST OF KAMCHATKA H =033 KM MAG 4.50- CGS							
23	NP	eP	13 16 40.7		JZ	.7	4.3 (0)		38.0	4.36
23	13 35 57.*		17.3 S 67.8 W PERU BOLIVIA BORDER H =033 KM MAG 4.50- CGS							
23	BR	eP	15 14 22.8		Z	0.5	6.2 (0)		2.2	
		eS	15 14 51		R	0.5	36.8 (0)			
23	15 24 06.*		04.9 N 128.1 E TALAUD ISLAND REGION H =268 KM							
23	RK	eP'	15 42 18.0		Z	0.6	4.1 (0)		114.0	
23	16 42 34.2		52.5 N 159.5 E EAST COAST OF KAMCHATKA H =067 KM MAG 4.10- CGS							
23	RK	eP	16 52 48.0		Z	1.0	4.9 (0)		61.0	4.52
23	LC	eL	17 15 50		LZ	30	12.5 (1)		67.0	
23	LC	eP	19 59 09.8		Z	1.0	22.5 (0)		1.4	
		eS	19 59 29		T	0.3	3.4 (0)			
23	21 28 12.*		04.4 S 134.9 E IRIAN H =095 KM MAG 5.20- CGS							
23	23 22 10.1		28.6 N 142.5 E BONIN ISLANDS H =045 KM MAG 4.60- CGS							
23	RK	eP	23 34 47.1		Z	0.8	2.9 (0)		86.0	4.36
24	MV	eP	00 05 17.5		Z	0.3	9.1 (0)		1.5	
		eS	00 05 36		T	999.9	99.9 (9)			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MN	eP	00 05 59.5	Z	0.5	0.6 (0)		
24	01 41 40.5		22.4 S 68.5 W NORTHERN CHILE					
			H =066 KM MAG 4.70- CGS					
24	BR	eP	01 52 02.5	Z	0.7	14.2 (0)	63.0	5.07
		e	01 52 25	Z	0.8	18.1 (0)		
24	DH	eP	01 52 14.9	Z	0.6	8.0 (0)	65.0	4.93
24	LC	eP	01 52 19.0	Z	1.0	5.0 (0)	66.0	4.50
24	DR	eP	01 52 48.0	Z	1.0	3.0 (0)	70.0	4.19
24	RK	eP	01 53 23.4	Z	0.7	10.9 (0)	76.0	4.89
		e	01 53 44	Z	1.0	17.1 (0)		
24	MN	eP	01 53 25.2	Z	0.7	2.0 (0)	76.0	4.17
							AVG.	4.62
24	02 11 58.3		54.3 S 5.2 E BOUVET ISLANDS REGION					
			H =028 KM					
24	LC	eP'	02 31 02.5	Z	1.0	2.5 (0)	128.0	
		eL	03 16 20	LZ	30	58.0 (0)		
24	DR	eP'	02 31 10.9	Z	1.1	5.7 (0)	132.0	
		eL	03 22 27	LT	24	13.2 (1)		
24	LV	eL	03 11 35	LZ	34	19.8 (1)	119.0	
24	MN	e	02 31 02.5	Z	1.1	3.0 (0)		
24	03 01 30.*		55.9 N 162.1 E NEAR KAMCHATKA COAST					
			H =110 KM MAG 4.00- CGS					
24	MN	eP	03 10 44.5	Z	0.8	2.4 (0)	54.0	4.24
24	MN	eP	03 30 59.0	Z	0.6	1.0 (0)	89.0	4.11
							AVG.	4.17
24	03 15 49.8		40.8 N 112.0 W NORTHERN UTAH					
			H =033 KM MAG 3.50- CGS					
24	03 18 09.5		30.7 S 178.2 W KERMADEC ISLANDS					
			H =042 KM MAG 4.60- CGS					
24	LC	eP	03 31 19.2	Z	0.5	0.4 (0)	92.0	4.08
24	MV	eL	03 57 35	LZ	30	19.8 (1)	87.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MN	eL	03 58 40	LZ	30	19.2 (1)	89.0	
24	DR	eL	04 02 00	LZ	33	24.2 (1)	94.0	
24	DH	eL	04 04 30	LT	34	13.3 (2)	119.0	
24	LV	eL	04 07 55	LZ	25	15.3 (1)	102.0	
24	BR	eL	04 14 05	LZ	28	12.0 (1)	116.0	
24	MV	eP	04 14 14.0	Z	0.5	1.2 (0)		
24	LC	eP	05 16 01	LZ	15	17.4 (1)		
24	LC	eL	05 16 30	LT	16	16.0 (2)		
24	MV	eP	06 39 08.5	Z	0.4	1.6 (0)	1.5	
		eS	06 39 27	R	0.4	4.4 (0)		
24	MN	eP	08 57 45.0	Z	0.2	3.9 (0)	1.3	
		eS	08 58 01	R	0.2	6.4 (0)		
24	10 10 15.1		19.3 N 108.8 W OFF JALISCO, MEXICO					
			H =033 KM MAG 4.00- CGS					
24	LC	eP	10 13 30.5	Z	2.0	31.6 (0)	13.0	4.96
24	DR	eP	10 14 25.5	Z	1.3	5.9 (0)	18.0	3.59
24	MN	eP	10 14 54.0	Z	1.1	9.2 (0)	21.0	4.02
		eL	10 20 40	LZ	25	29.3 (1)		
24	LV	eL	10 18 35	LZ	16	12.0 (1)	20.0	
24	MV	eL	10 19 05	LZ	15	75.9 (0)	22.0	
							AVG.	4.19
24	DR	e	10 17 55	LR	16	36.6 (1)		
24	DR	eL	10 19 05	LR	23	41.4 (1)		
24	DR	eL	10 19 50	LZ	25	40.2 (1)		
24	10 49 08.7		36.0 N 117.6 W INYO COUNTY, CALIFORNIA					
			H =025 KM MAG 3.70- CGS					
24	MN	eP	10 49 45.7	Z	0.2	1.9 (0)	2.5	
		eS	10 50 01	T	999.9	99.9 (9)		
24	MV	eP	10 50 15.0	Z	0.5	1.8 (0)	4.3	3.65
		e	10 50 20	Z	0.3	21.6 (0)		
		eS	10 51 15	R	0.3	31.2 (0)		
24	DR	eP	10 50 45.7	Z	0.5	0.5 (0)	8.0	3.85
		e	10 51 35	R	0.6	3.9 (0)		
24	LC	eP	10 51 32.5	Z	0.5	0.9 (0)	10.0	4.40
		e	10 52 16	Z	0.6	1.5 (0)		
		eL	10 54 17	Z	1.0	2.5 (0)		
							AVG.	3.96
24	10 58 28.2		51.0 N 179.4 E RAT ALEUTIAN ISLANDS					
			H =033 KM MAG 4.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	LC	eP	11 08 05.0	Z	1.0	2.5 (0)	56.0	4.20
24	MN	eP	11 32 50.0	Z	1.1	5.1 (0)		
24	12 50 13.0		37.3 S 178.2 W NEW ZEALAND H =036 KM					
24	RK	eP	12 59 22.5	Z	0.2	7.0 (0)	2.2	
		eS	12 59 50	R	0.2	17.0 (0)		
24	13 28 20.3		34.2 N 116.4 W CALIFORNIA H =014 KM					
24	MN	eP	13 29 44.0	Z	1.0	1.6 (0)	4.5	3.32
		e	13 30 45	T	0.7	3.1 (0)		
24	MN	eP	17 11 26.2	Z	0.5	0.6 (0)		
24	DH	eL	18 29 41	LZ	19	48.4 (1)		
24	MV	eP	18 49 57.5	Z	0.5	1.8 (0)		
24	MN	eP	18 50 33.6	Z	0.5	0.3 (0)		
24	BR	eP	18 51 55.7	Z	0.4	7.0 (0)	1.5	
		eS	18 52 14	T	0.4	33.9 (0)		
24	BR	eP	19 17 55.8	Z	0.4	11.2 (0)	1.3	
		eS	19 18 13	R	0.4	25.1 (0)		
24	MN	eP	19 58 18.5	Z	0.3	5.9 (0)		
24	MV	eP	19 58 53.0	Z	0.5	1.2 (0)	4.2	
		eS	19 59 44	T	0.5	9.2 (0)		
24	20 47 36.5		31.4 N 116.4 W NEAR W. COAST BAJA, CALIF. H =014 KM MAG 4.50- CGS					
24	MN	eP	20 49 25.0	Z	0.4	1.4 (0)	7.0	4.28
		e	20 49 49	Z	0.8	5.8 (0)		
		e	20 51 21	T	0.8	7.4 (0)		
24	LC	eP	20 49 43.0	Z	0.7	1.8 (0)	8.0	4.34
24	DR	eP	20 49 54.6	Z	0.8	7.3 (0)	9.0	5.07
		eL	20 52 33	R	0.8	6.5 (0)		
24	MV	eL	20 52 05	Z	0.5	1.2 (0)	9.0	
							AVG.	4.56
24	BR	eP	21 20 36.8	Z	0.4	6.3 (0)	1.2	
		eS	21 20 52	R	0.4	31.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	LV	eL	21 35 53	LZ	24	68.1 (0)		
24	21 41 57.8		45.0 N 151.7 E KURILE ISLANDS REGION H =033 KM MAG 4.10- CGS					
25	LC	eP	01 06 46.3	Z	0.9	1.9 (0)		
25	02 20 12.7		48.7 N 148.8 E SEA OF OKHOTSK H =134 KM MAG 4.70- CGS					
25	MV	eP	02 30 18.8	Z	0.9	3.7 (0)	62.0	4.32
25	MN	eP	02 30 35.0	Z	1.0	6.6 (0)	64.0	4.45
25	RK	eP	02 30 51.3	Z	0.6	4.1 (0)	67.0	4.46
25	DR	eP	02 31 16.2	Z	1.5	25.2 (0)	71.0	4.79
25	LC	eP	02 31 42.0	Z	1.3	9.7 (0)	75.0	4.44
							AVG.	4.49
25	05 21 19.4		45.2 N 151.3 E KURILE ISLANDS REGION H =033 KM MAG 4.60- CGS					
25	MN	eP	05 31 54.0	Z	1.0	4.1 (0)	64.0	4.51
25	06 11 43.3		38.9 N 38.4 E CENTRAL TURKEY H =033 KM MAG 4.80- CGS					
25	NP	eP	06 22 16.7	JZ	.8	19.7 (0)	64.0	5.29
25	DH	eP	06 23 46.5	Z	1.0	17.3 (0)	79.0	4.97
25	RK	eP	06 23 57.3	Z	0.6	5.1 (0)	81.0	4.66
25	BR	eP	06 24 05.8	Z	1.0	8.5 (0)	83.0	4.83
		eL	06 53 05	LZ	31	35.0 (1)		
25	MN	e	06 53 05	LR	20	27.5 (1)	100.0	
		e	06 56 10	LR	40	58.2 (1)		
		eL	06 59 55	LR	26	14.0 (1)		
25	LC	eLQ	06 59 10	LR	38	48.4 (1)	102.0	
		eLR	07 11 48	LZ	24	18.8 (1)		
		eL	07 13 19	LT	22	35.3 (1)		
		eL	07 13 19	LR	25	30.5 (1)		
		eL	07 13 19	LZ	21	39.7 (1)		
25	DR	eL	06 59 15	LZ	32	32.8 (1)	98.0	
25	LV	eL	07 00 31	LZ	31	25.3 (1)	96.0	
25	MV	eL	07 03 09	LZ	30	27.2 (1)	100.0	
							AVG.	4.93

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	12	18 12.5	17.5 S 178.8 W FIJI ISLANDS REGION H =565 KM MAG 6.50- PAS					
25	HW	eP	12 25 30.0	Z	1.3	16.1 (2)	44.0	6.39
		epP	12 27 15	Z	1.0	18.6 (1)		
		eS	12 31 21	R	3.0	77.8 (2)		
25	MV	iP	12 29 13.4C	Z	1.1	18.3 (1)	78.0	5.42
		eP	12 29 14	LZ	23	26.3 (2)		
		epP	12 31 13	LZ	19	99.9 (9)		
		epP	12 31 15	Z	2.5	36.7 (2)		
		e	12 31 28	Z	1.6	40.5 (1)		
		esP	12 32 10	LZ	22	47.2 (2)		
		eS	12 38 22	T	3.0	12.1 (2)		
		eS	12 38 23	LT	999.9	99.9 (9)		
		eSKS	12 38 34	R	3.0	73.9 (1)		
		eSCS	12 38 45	T	3.1	65.8 (1)		
		esS	12 41 20	LR	19	51.5 (2)		
		eSS	12 43 35	LR	28	52.4 (2)		
		esSS	12 46 59	LR	30	42.2 (2)		
		e	12 50 15	LT	28	99.9 (9)		
		eP'P'	12 56 17	Z	2.3	23.7 (1)		
		eSKPP'	12 58 50	Z	1.4	15.5 (0)		
		e	12 58 50	LZ	19	51.2 (2)		
		eP'P'P'	13 16 45	LZ	17	37.4 (2)		
25	MN	eP	12 29 22.5	Z	999.9	99.9 (9)	79.0	
		eP	12 29 23	LZ	999.9	99.9 (9)		
		epP	12 31 22	Z	999.9	99.9 (9)		
		epPP	12 34 06	Z	2.5	50.8 (1)		
		e	12 36 28	Z	3.2	49.8 (1)		
		eSCS	12 38 41	R	2.6	15.1 (2)		
		eS	12 39 22	R	3.0	67.2 (1)		
		eSKS	12 40 42	R	3.2	33.9 (1)		
		esPS	12 42 25	T	5.5	18.5 (2)		
		e	12 43 28	T	5.5	12.3 (2)		
		e	12 45 17	Z	1.0	3.3 (0)		
		e	12 48 08	Z	0.6	3.1 (0)		
		e	12 53 07	Z	3.0	86.5 (0)		
		e	12 53 31	Z	3.0	86.5 (0)		
		e	12 56 02	Z	1.1	8.2 (0)		
		eP'P'	12 56 15	Z	2.5	37.3 (1)		
		eSKPP'	12 58 32	Z	1.5	29.3 (0)		
		e	13 06 57	Z	0.5	1.2 (0)		
		e	13 18 32	Z	0.2	2.3 (0)		
25	LC	iP	12 29 50.5C	Z	1.2	38.5 (1)	85.0	5.90
		eP	12 29 52	LZ	21	36.3 (2)		
		epP	12 31 49	LZ	19	88.3 (2)		
		epP	12 31 52	Z	1.6	68.9 (1)		
		ePP	12 32 46	LZ	20	92.0 (2)		
		ePP	12 33 17	Z	2.0	40.3 (1)		
		eSKS	12 39 15	LR	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKS	12 39 34	R	3.3	91.9 (1)		
		eS	12 39 39	R	2.6	10.4 (2)		
		eSKKS	12 39 48	R	2.4	39.1 (1)		
		esSP	12 46 00	LZ	999.9	99.9 (9)		
		ePKKP	12 47 58	Z	0.9	3.8 (0)		
		e	12 52 12	LZ	30	13.0 (3)		
		ePCPP'	12 52 44	Z	1.9	28.1 (0)		
		eP'P'	12 55 59	Z	2.0	39.5 (0)		
		e	12 56 39	Z	1.7	21.0 (0)		
		eSKPP'	12 58 43	Z	1.3	21.9 (0)		
		eP'PKS	12 59 29	T	3.0	96.4 (0)		
		e	13 00 35	T	2.0	36.1 (0)		
		eP'P'P'	13 16 56	Z	0.8	1.4 (0)		
		e	13 19 10	Z	0.7	1.2 (0)		
		e	13 35 09	Z	0.8	1.4 (0)		
25	DR	iP	12 29 56.0C	Z	2.0	88.2 (1)	86.0	6.10
		iP	12 29 56 C	LZ	23	22.1 (2)		
		epP	12 32 00	LZ	20	99.9 (9)		
		epP	12 32 00	Z	2.0	16.1 (2)		
		esP	12 33 01	Z	1.5	18.7 (1)		
		ePP	12 33 23	Z	1.6	26.2 (1)		
		epPP	12 35 04	Z	2.5	27.6 (1)		
		epPP	12 35 05	LZ	19	35.6 (2)		
		ePPP	12 36 54	Z	2.7	21.4 (1)		
		eSKS	12 39 30	LR	999.9	99.9 (9)		
		eSKS	12 39 31	T	2.5	59.8 (1)		
		eS	12 39 49	T	3.0	11.9 (2)		
		eSKKS	12 40 21	R	3.0	36.4 (1)		
		ePS	12 42 00	LR	999.9	99.9 (9)		
		ePS	12 42 12	T	3.5	31.8 (1)		
		eSS	12 45 42	LT	24	99.9 (9)		
		ePKKP	12 47 51	Z	1.0	6.1 (0)		
		e	12 48 45	Z	2.5	12.2 (1)		
		eSSS	12 49 25	LT	28	99.9 (9)		
		eL	12 51 30	LR	32	43.7 (2)		
		ePCPP'	12 52 38	Z	4.0	23.6 (1)		
		eP'P'	12 55 43	Z	1.5	14.4 (0)		
		eSKPP'	12 58 21	Z	2.5	61.4 (0)		
		e	13 00 27	R	1.5	14.7 (0)		
		e	13 30 52	Z	1.0	4.9 (0)		
25	LV	eP	12 30 44.7	Z	1.7	21.6 (1)	97.0	6.16
		eP	12 30 45	LZ	22	18.8 (2)		
		esP	12 32 45	LZ	18	99.9 (9)		
		e	12 33 40	LZ	22	99.9 (9)		
		esP	12 33 50	Z	2.0	64.8 (1)		
		ePP	12 34 45	Z	2.5	12.9 (2)		
		eSKS	12 40 29	R	3.1	22.8 (2)		
		eS	12 41 24	R	2.0	61.5 (1)		
25	NP	eP	12 30 58.1	JZ	.8	39.5 (0)	100.0	5.89
		e	12 31 03	JZ	.8	35.5 (0)		
		epP	12 33 05	JZ	2.2	56.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	12 36 59	JZ	2.2	17.0 (1)		
		eSKS	12 40 43	T	2.0	36.7 (0)		
		e	12 40 51	T	2.0	47.7 (1)		
25	RK	eP	12 31 08.8	Z	1.0	24.5 (0)	100.0	5.58
		epP	12 33 05	Z	1.2	41.4 (0)		
		ePP	12 35 12	Z	1.9	27.2 (1)		
		epPP	12 37 06	Z	2.4	36.5 (1)		
		eS	12 41 48	T	2.5	18.8 (2)		
		ePKKP	12 47 14	Z	0.5	4.6 (0)		
		e	12 57 25	R	1.2	55.5 (0)		
		e	12 59 02	T	1.1	11.4 (0)		
25	BR	ePD	12 31 38	LZ	25	48.3 (1)	109.0	
		epP	12 33 40	LZ	22	14.1 (2)		
		e	12 34 37	LZ	21	14.6 (2)		
		ePP	12 36 09	LZ	20	16.4 (2)		
		ePP	12 36 11	Z	2.0	30.5 (1)		
		epPP	12 37 53	LZ	21	19.5 (2)		
		eSKS	12 41 22	R	2.5	38.4 (1)		
		eS	12 43 02	T	2.6	42.6 (1)		
		e	12 57 49	T	1.3	31.9 (0)		
25	DH	epP	12 33 56	LZ	19	21.1 (2)	112.0	
		ePP	12 36 30	LZ	23	20.9 (2)		
		ePP	12 36 35	Z	1.7	21.7 (1)		
		epPP	12 38 23	LZ	22	36.1 (2)		
		ePPP	12 39 30	LZ	21	48.5 (2)		
		eSKS	12 41 35	R	3.7	21.0 (2)		
		eSKS	12 41 35	LR	24	50.8 (2)		
		eSKKS	12 42 39	R	2.8	48.2 (1)		
		eS	12 43 30	R	3.5	12.6 (2)		
		eS	12 43 30	LR	21	38.9 (2)		
		eSP	12 45 25	LZ	27	99.9 (9)		
		ePKKP	12 46 42	Z	0.7	8.6 (0)		
		e	12 47 50	LZ	21	60.1 (2)		
		ePCPP	12 50 48	Z	1.1	32.1 (0)		
		eSS	12 51 10	LT	20	77.0 (2)		
		esSS	12 55 09	LR	22	70.1 (2)		
		eL	13 19 55	LZ	17	72.4 (2)		
		eL	13 21 09	LR	16	46.2 (2)		
		eL	13 21 09	LT	18	10.5 (2)		
		eL	13 21 09	LZ	16	98.1 (2)		
						AVG.	5.92	

25	MN	eP	13 22 14.5	Z	0.5	1.8 (0)		
25	MN	e	13 22 33	R	0.5	2.5 (0)		
25	MV	eP	13 22 33.5	Z	0.3	9.3 (0)	1.6	
		eS	13 22 56	R	0.3	54.2 (0)		
25	MN	e	13 22 58	Z	0.3	5.3 (0)		
25	MN	eS	13 23 33	R	0.5	14.0 (0)		

25 13 26 01.4 17.9 S 178.8 W FIJI ISLANDS REGION
H =610 KM MAG 3.60- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	DH	eL	14 31 21	LZ	22	18.0 (2)	112.0	
		eL	14 33 10	LT	18	46.8 (1)		
		eL	14 33 10	LR	22	25.9 (2)		
		eL	14 33 10	LZ	20	38.5 (2)		

25 13 34 46.0 17.4 S 178.7 W FIJI ISLANDS REGION
H =540 KM MAG 3.60- CGS

25	LC	eP	16 27 37.6	Z	0.4	1.7 (0)	3.2	
		eS	16 28 14	T	0.4	3.9 (0)		

25 17 53 04.1 15.6 S 173.1 W TONGA ISLANDS
H =033 KM MAG 4.20- CGS

25	LC	eP	18 05 09.2	Z	0.9	2.9 (0)	79.0	4.24
25	DH	eP	18 09 46.0	Z	0.9	13.3 (0)		

25 18 44 15.5 52.5 N 172.5 W ANDREANOF ALEUTIAN ISLANDS
H =080 KM MAG 4.50- CGS

25	LC	eP	18 53 09.5	Z	0.7	1.8 (0)	51.0	4.21
25	LC	eL	23 37 23	LZ	24	11.2 (1)		
25	MV	eL	23 39 15	LZ	20	11.6 (1)		

26 01 30 08.7 14.4 N 91.3 W NEAR COAST OF GUATEMALA
H =033 KM MAG 3.80- CGS

26	LC	eP	01 35 23.9	Z	0.8	1.4 (0)	23.0	3.50
26	DR	eP	02 23 05.0	Z	1.0	2.4 (0)		

26 02 28 12.8 26.3 S 178.8 E FIJI ISLANDS REGION
H =546 KM MAG 4.40- CGS

26	LC	e	02 34 14	LR	24	12.7 (1)		
26	LC	e	02 40 02	LR	25	15.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	MV	e	02 41 40	LR	25	12.3 (1)		
26	MN	eP	02 48 26.5	Z	0.3	2.6 (0)	1.2	
		eS	02 48 42	T	999.9	99.9 (9)		
26	LC	eLQ	02 48 53	LR	31	30.7 (1)		
26	MV	e	02 50 00	LR	35	32.0 (1)		
26	LC	eL	02 50 06	LZ	19	47.0 (1)		
26	LC	eLR	02 53 13	LZ	25	50.0 (1)		
26	MN	eL	02 54 20	LZ	25	94.7 (1)		
26	MV	eL	02 54 23	LZ	26	73.0 (1)		
26	LC	eL	02 55 06	LT	19	44.5 (1)		
26	LC	eL	02 55 06	LR	20	24.4 (1)		
26	DR	eL	02 55 20	LZ	24	34.8 (1)		
26	MV	eL	02 57 59	LR	18	19.4 (1)		
26	MV	eL	02 57 59	LT	18	50.8 (1)		
26	MV	eL	02 57 59	LZ	18	83.6 (1)		
26	02 59 46.9		19.3 S 175.4 W TONGA ISLANDS H =083 KM MAG 4.50- CGS					
26	LC	eP	03 12 08.0	Z	0.8	3.7 (0)	83.0	4.42
26	BR	eL	03 00 07	LZ	32	27.4 (1)		
26	DH	eL	03 01 00	LZ	34	72.0 (1)		
26	04 49 43.8		17.7 S 178.8 W FIJI ISLANDS H =575 KM MAG 4.60- CGS					
26	MV	eP	05 00 44.9	Z	1.0	15.9 (0)	78.0	4.40
26	MN	eP	05 00 53.5	Z	1.0	30.7 (0)	80.0	4.68
		e	05 02 55	Z	1.2	6.3 (0)		
26	LC	eP	05 01 22.1	Z	1.1	14.0 (0)	85.0	4.50
		epP	05 03 26	Z	1.1	4.6 (0)		
		eL	05 15 40	LZ	20	44.2 (0)		
26	DR	eP	05 01 27.5	Z	1.0	4.9 (0)	86.0	4.16
		epP	05 03 31	Z	1.5	7.2 (0)		
							AVG.	4.43
26	05 42 40.3		06.8 S 105.6 E JAVA H =033 KM MAG 5.10- CGS					
26	MV	eP'	06 01 50.5	Z	1.0	3.1 (0)	127.0	
26	MN	eP'	06 01 54.5	Z	0.5	0.5 (0)	130.0	
		eL	06 46 05	LZ	25	65.3 (0)		
26	RK	eP'	06 01 58.0	Z	0.5	2.7 (0)	133.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	06 05 16	Z	0.5	1.8 (0)		
26	DH	eP'1	06 02 13.1	Z	0.7	9.4 (0)	145.0	
		eL	07 00 50	LZ	28	15.5 (1)		
26	BR	eP'1	06 02 19.5	Z	0.6	11.4 (0)	147.0	
		eL	07 04 42	LZ	25	25.2 (1)		
26	LV	eP'1	06 02 36.2	Z	1.7	21.9 (1)	150.0	
26	DR	eSKP	06 05 36	Z	1.3	4.7 (0)	137.0	
		eL	06 50 40	LZ	26	10.2 (1)		
26	LC	eSKP	06 05 47	Z	1.0	2.5 (0)	141.0	
		eL	06 54 50	LZ	23	56.5 (0)		
26	08 45 32.4		51.6 N 157.0 E NEAR E. COAST OF KAMCHATKA H =105 KM MAG 4.70- CGS					
26	MV	eP	08 54 59.8	Z	0.8	1.8 (0)	56.0	4.15
26	MN	eP	08 55 17.5	Z	0.6	2.4 (0)	58.0	4.39
26	DR	eP	08 56 01.7	Z	0.7	3.6 (0)	65.0	4.41
26	LC	eP	08 56 28.9	Z	1.0	5.0 (0)	69.0	4.29
26	DH	eP	08 57 10.4	Z	0.7	28.4 (0)	76.0	5.20
							AVG.	4.48
26	12 19 27.6		22.7 S 171.7 E LOYALTY ISLANDS REGION H =043 KM MAG 4.50- CGS					
26	MV	eP	12 32 14.3	Z	0.9	3.6 (0)	88.0	4.58
26	MN	eP	12 32 22.0	Z	0.8	4.9 (0)	90.0	4.74
		eL	13 01 25	LZ	25	65.3 (0)		
26	LC	eL	13 03 57	LR	24	50.9 (0)	95.0	
							AVG.	4.66
26	MN	eP	12 45 01.7	Z	0.3	0.8 (0)	1.4	
		eS	12 45 20	R	0.3	2.3 (0)		
26	12 45 30.8		32.7 N 137.7 E SOUTH OF HONSHU, JAPAN H =349 KM MAG 4.20- CGS					
26	BR	eP	16 12 25.8	Z	0.3	9.7 (0)	0.5	
		eS	16 12 34	R	0.3	23.2 (0)		
26	LC	eP	16 18 46.6	Z	0.3	0.9 (0)	2.4	
		eS	16 19 17	T	0.4	5.3 (0)		
26	18 49 19.*		19.8 N 155.6 W HAWAII H =005 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	HW	eP	18 49 30.0	Z	999.9	99.9 (9)	0.2	
26	MV	eP	18 56 25.5	Z	1.1	5.9 (0)	35.0	4.43
		eL	19 06 32	LZ	10	48.6 (1)		
26	DR	eP	18 57 36.5	Z	1.4	11.7 (0)	45.0	4.61
26	LC	eP	18 57 42.1	Z	1.0	5.0 (0)	45.0	4.39
		eL	19 09 56	LZ	31	10.8 (1)		
							AVG.	4.47
26	DH	eP	18 55 17.2	Z	0.9	14.6 (0)		
26	BR	eP	19 29 05.3	Z	0.3	3.7 (0)	2.1	
		eS	19 29 33	R	0.4	7.9 (0)		
26	NP	eP	20 39 29.0	JZ	.4	12.3 (0)	1.7	
		e	20 39 37	JZ	.4	21.4 (0)		
		eS	20 39 51	T	0.4	12.6 (0)		
26	LC	eP	20 40 47.2	Z	0.2	14.4 (0)	1.4	
		eS	20 41 05	T	0.3	4.2 (0)		
26	23 32 38.3		07.7 S 127.3 E	BANDA SEA				
			H =151 KM MAG	4.40-	CGS			
27	LC	eP	00 14 36.6	Z	0.9	1.9 (0)		
27	MV	eP	01 20 00.0	Z	1.2	4.8 (0)		
27	01 20 54.6		31.6 N 116.2 W	BAJA CALIFORNIA				
			H =014 KM MAG	4.40-	CGS			
27	MN	eP	01 22 39.5	Z	0.5	1.2 (0)	7.0	4.12
		e	01 23 07	Z	0.6	2.7 (0)		
		e	01 24 35	Z	0.7	4.1 (0)		
27	LC	eP	01 22 55.5	Z	0.7	1.2 (0)	8.0	4.15
27	DR	eP	01 23 08.6	Z	0.5	4.7 (0)	9.0	5.09
		eL	01 25 48	T	0.9	3.7 (0)		
		eL	01 26 04	LZ	16	17.8 (1)		
							AVG.	4.45
27	MN	eP	02 16 17.0	Z	1.0	4.1 (0)		
27	LC	eP	02 16 45.6	Z	0.8	1.4 (0)		
27	DR	eP	02 16 53.5	Z	1.1	3.0 (0)		
27	02 29 51.4		17.5 N 92.6 W	CHIAPAS, MEXICO				
			H =180 KM MAG	3.60-	CGS			
27	LC	eL	02 41 55	LZ	26	12.0 (1)	19.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	DR	eL	02 42 55	LZ	25	15.0 (1)	24.0	
27	LV	eL	02 47 55	LZ	31	87.6 (0)		
27	03 15 36.*		72.9 N 4.3 E	ARCTIC OCEAN				
			H =033 KM MAG	4.70-	CGS			
27	03 23 32.6		45.9 S 75.3 W	NEAR COAST OF SOUTH CHILE				
			H =033 KM MAG	5.30-	CGS			
27	LV	eP	03 35 37.3	Z	1.2	53.9 (0)	79.0	5.38
		eL	03 58 00	LZ	21	67.6 (1)		
27	LC	eP	03 35 57.5	Z	1.9	42.1 (0)	83.0	5.24
		e	03 39 39	Z	3.1	11.7 (1)		
		eS	03 46 25	LR	18	75.1 (0)		
		eSS	03 51 20	LT	21	48.9 (1)		
		eLQ	03 58 10	LT	27	14.1 (2)		
		eLR	04 03 52	LZ	25	10.3 (2)		
27	BR	eP	03 36 10.5	Z	1.2	23.8 (0)	85.0	5.20
		eP	03 36 11	LZ	10	63.7 (1)		
		ePP	03 39 03	LZ	15	27.3 (1)		
		e	03 46 35	LZ	20	25.0 (1)		
		e	03 52 00	LZ	35	34.6 (1)		
		eL	03 59 35	LZ	25	34.6 (1)		
27	DH	eP	03 36 21.7	Z	1.5	53.6 (0)	88.0	5.55
		ePP	03 39 47	LZ	17	36.3 (1)		
		eSP	03 48 10	LZ	14	96.7 (1)		
		eS	03 47 05	LR	20	10.1 (2)		
		eSS	03 52 35	LR	25	56.6 (1)		
		eL	03 59 40	LZ	23	14.4 (2)		
27	DR	eP	03 36 26.8	Z	1.3	4.7 (0)	88.0	4.56
		eS	03 47 10	LR	19	67.4 (1)		
		e	03 52 05	LR	19	47.7 (1)		
		eLQ	03 59 45	LT	24	80.9 (1)		
		eLR	04 06 51	LZ	23	13.6 (2)		
27	MN	eP	03 36 44.5	Z	2.5	41.5 (0)	92.0	5.32
		eS	03 47 50	LT	24	24.5 (1)		
		eSS	03 54 10	LR	22	58.3 (1)		
		eSSS	03 57 30	LT	26	43.8 (1)		
		e	04 03 00	LT	45	51.7 (2)		
		eL	04 07 25	LZ	26	10.4 (2)		
27	MV	eP	03 36 54.0	Z	1.1	3.8 (0)	94.0	4.67
		eS	03 48 10	LT	20	47.2 (1)		
		eSS	03 54 30	LR	25	37.0 (1)		
		e	04 04 29	LT	26	11.8 (2)		
		eLR	04 08 30	LZ	22	12.5 (2)		
27	RK	eP	03 37 09.5	Z	1.1	9.1 (0)	98.0	5.35

			E		INST	PER	AMPL	DIST	MAG
								AVG.	5.15
27	03 32 56.5		11.2 S	165.7 E	SANTA CRUZ ISLANDS				
			H =033 KM	MAG	4.20-	CGS			
27	DR	eP	05 18 55.5		Z	0.3	3.5 (0)	2.2	
		eS	05 19 23		R	0.4	15.5 (0)		
27	05 51 37.4		44.1 N	129.5 W	OFF COAST OF OREGON				
			H =033 KM	MAG	4.20-	CGS			
27	MV	eP	05 53 32.3		Z	0.8	3.7 (0)	8.0	4.46
		eL	05 55 35		LZ	21	12.1 (2)		
27	MN	eP	05 54 05.5		Z	0.7	2.8 (0)	10.0	4.68
27	DR	eP	05 55 46.5		Z	1.3	7.0 (0)	18.0	3.66
		eL	05 59 16		LT	16	96.8 (1)		
27	LC	eP	05 56 25.9		Z	0.9	6.8 (0)	21.0	3.97
		eL	06 04 00		LR	24	94.3 (1)		
27	DH	eL	06 13 13		LZ	17	45.4 (1)	39.0	
								AVG.	4.19
27	MN	eP	07 02 50.1		Z	0.8	3.9 (0)		
27	07 06 57.4		05.5 S	149.3 E	NEW BRITAIN REGION				
			H =162 KM	MAG	4.20-	CGS			
27	LV	eL	08 07 39		LZ	30	83.4 (0)	117.0	
27	LC	eL	07 29 49		LZ	30	76.6 (0)		
27	HW	eP	07 35 11.6		Z	0.3	18.9 (1)	0.5	
		eS	07 35 19		R	0.3	29.4 (1)		
27	LC	eP	07 59 41.5		Z	0.4	0.8 (0)		
27	DR	eP	08 00 32.2		Z	1.0	2.4 (0)		
27	LC	eL	08 01 17		LR	17	10.1 (2)		
27	LC	eL	08 01 25		R	0.6	15.3 (0)		
27	DR	eL	08 03 25		R	0.9	3.8 (0)		
27	DR	eL	08 04 17		LZ	14	36.8 (1)		
27	MN	eL	10 55 55		LT	25	84.9 (1)		
27	MN	eP	12 07 59.0		Z	0.7	2.0 (0)		
27	12 56 55.2		17.7 S	70.1 W	SOUTHERN PERU				
			H =188 KM	MAG	4.20-	CGS			

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
27	DR	eP	13 07 20.2		Z	1.0	2.4 (0)	65.0	3.91
27	MN	eP	13 00 24.5		Z	0.3	4.1 (0)	0.6	
		eS	13 00 33		R	0.5	10.9 (0)		
27	BR	eP	15 25 06.5		Z	0.3	4.4 (0)	4.7	
		eS	15 26 03		T	0.3	16.4 (0)		
27	NP	eP	16 35 19.5		JZ	.6	2.7 (0)		
27	NP	e	16 37 59		JZ	.6	2.1 (0)		
27	BR	eP	17 36 27.0		Z	0.2	14.7 (0)	2.1	
		eS	17 36 55		R	0.2	99.9 (9)		
27	18 08 12.7		10.0 S	161.3 E	SOLOMON ISLANDS				
			H =092 KM	MAG	4.50-	CGS			
27	20 40 37.0		18.3 N	146.4 E	MARIANA ISLANDS				
			H =078 KM	MAG	4.10-	CGS			
27	BR	eP	21 13 34.8		Z	0.3	99.9 (9)	0.1	
		eS	21 13 37		R	0.3	99.9 (9)		
27	BR	eP	21 17 30.0		Z	0.3	2.7 (0)	1.2	
		eS	21 17 45		R	0.3	17.8 (0)		
27	DH	eP	21 18 00.0		Z	0.4	6.2 (0)	3.0	
		eS	21 18 37		T	0.5	11.2 (0)		
27	LC	eP	21 20 54.1		Z	0.2	17.4 (0)	1.5	
		eS	21 21 12		R	0.3	3.9 (0)		
27	22 02 55.9		40.2 N	145.2 E	EAST OF HONSHU, JAPAN				
			H =055 KM	MAG	4.80-	CGS			
27	NP	eP	22 12 09.5		JZ	.9	4.0 (0)	53.0	4.40
27	23 40 42.9		16.1 N	96.9 W	OAXACA, MEXICO				
			H =038 KM	MAG	4.30-	CGS			
27	LC	eP	23 44 57.9		Z	1.1	15.6 (0)	18.0	4.09
		eL	23 50 00		LT	20	17.1 (2)		
		eL	23 50 45		T	2.8	79.9 (0)		
27	DR	eP	23 45 52.5		Z	0.9	7.5 (0)	23.0	4.14
		eS	23 50 15		LR	18	30.4 (1)		
		eL	23 53 00		LT	17	20.8 (2)		
27	DH	eP	23 47 08.5		Z	0.9	21.0 (0)	32.0	4.99
27	LV	eL	23 49 30		LZ	27	22.5 (1)	17.0	
27	NP	eP	23 50 56.5		JZ	.8	10.3 (0)	61.0	4.97

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.54
28	00 13 12.9		40.9 N 111.9 W	NORTHERN UTAH				
			H =033 KM MAG	3.40- CGS				
28	MN	eP	01 07 31.6	Z	1.0	6.6 (0)		
28	MV	eP	01 07 39.2	Z	0.9	2.4 (0)		
28	02 40 21.3		16.3 N 96.9 W	OAXACA, MEXICO				
			H =033 KM MAG	3.90- CGS				
28	LC	eP	02 44 35.0	Z	1.0	5.0 (0)	18.0	3.63
		eL	02 50 15	LZ	20	60.8 (1)		
28	DR	eP	02 45 29.4	Z	1.0	6.1 (0)	23.0	4.02
		eL	02 53 20	LZ	18	12.0 (1)		
28	MN	eP	02 46 19.3	Z	0.9	1.2 (0)	29.0	3.68
		eL	02 55 45	LT	21	48.7 (1)		
28	DH	eP	02 46 46.5	Z	1.0	18.6 (0)	32.0	4.90
28	LV	eL	02 49 46	LZ	28	15.9 (1)	16.0	
28	MV	eL	02 56 00	LZ	24	11.7 (1)	31.0	
							AVG.	4.05
28	05 55 51.*		12.6 N 87.2 W	NICARAGUA				
			H =115 KM MAG	4.20- CGS				
28	DR	eP	06 01 59.3	Z	1.2	7.5 (0)	31.0	4.29
28	MN	eP	06 02 59.4	Z	0.8	0.9 (0)	38.0	3.69
							AVG.	3.99
28	DR	eL	08 14 15	LZ	35	11.8 (1)		
28	LC	eP	10 07 30.0	Z	0.5	1.4 (0)		
28	12 48 22.1		61.9 S 164.5 E	BALLENY ISLANDS REGION				
			H =033 KM					
28	DR	eP'	13 07 24.6	Z	1.0	4.9 (0)	121.0	
		eL	13 45 38	LZ	27	21.6 (1)		
28	MN	e	13 18 35	LZ	20	15.0 (1)	124.0	
		eSS	13 25 10	LR	25	17.4 (1)		
		eP'PKS	13 29 25	LR	20	17.6 (1)		
		eLQ	13 37 37	LR	34	38.3 (1)		
		eLR	13 44 30	LZ	21	36.7 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	LC	eL	13 38 15	LR	35	58.3 (1)	118.0	
28	MV	eL	13 43 05	LZ	25	32.7 (1)	117.0	
28	LV	eL	13 47 57	LZ	35	67.6 (1)	124.0	
28	DH	eL	13 58 05	LZ	31	73.7 (1)	140.0	
28	RK	eP	15 21 25.7	Z	0.9	11.7 (0)		
28	15 51 06.3		28.3 N 141.0 E	BONIN ISLANDS REGION				
			H =096 KM MAG	5.10- CGS				
28	MV	eP	16 02 56.2	Z	0.6	3.2 (0)	78.0	4.35
28	MN	eP	16 03 06.0	Z	0.8	7.8 (0)	81.0	4.60
28	RK	eP	16 03 44.5	Z	0.9	33.3 (0)	88.0	5.38
28	LC	eP	16 04 05.7	Z	0.8	13.4 (0)	92.0	5.32
							AVG.	4.91
28	HW	eP	15 52 16.0	Z	0.3	99.9 (9)	0.9	
		eS	15 52 28	R	0.3	99.9 (9)		
28	MV	eP	16 27 58.5	Z	0.3	16.8 (0)	0.8	
		eS	16 28 10	R	0.3	39.2 (0)		
28	16 57 46.2		39.1 S 91.8 W	WEST OF CHILE				
			H =033 KM MAG	4.70- CGS				
28	LC	eP	17 09 10.0	Z	1.3	7.3 (0)	72.0	4.55
		eS	17 18 46	LT	22	28.5 (1)		
		e	17 27 00	LR	22	31.4 (1)		
		eL	17 29 30	LT	28	76.1 (1)		
28	MN	eP	17 09 59.0	Z	0.8	1.4 (0)	81.0	3.99
		eS	17 20 13	LT	20	22.8 (1)		
		eSS	17 25 15	LR	22	17.5 (1)		
		eLQ	17 31 50	LR	25	17.4 (1)		
		eLR	17 39 20	LZ	24	56.4 (1)		
28	MV	eP	17 10 09.1	Z	1.0	3.1 (0)	82.0	4.29
		eS	17 20 35	LR	20	15.9 (1)		
		eLQ	17 33 07	LR	33	54.5 (1)		
		eLR	17 36 55	LZ	26	86.8 (1)		
28	DR	eS	17 19 37	LR	17	27.1 (1)	78.0	
		eLQ	17 31 50	LR	33	16.3 (2)		
		eL	17 36 05	LZ	33	52.5 (1)		
		eLR	17 37 15	LZ	22	45.9 (1)		
28	LV	eL	17 31 11	LZ	33	55.0 (1)	71.0	
							AVG.	4.27
28	DH	eP	18 38 38.4	Z	0.5	7.0 (0)	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	18 39 57	R	0.6	38.9 (0)		
28	DH	eP	19 03 26.5	Z	1.0	18.6 (0)		
29	MV	eP	00 05 07.5	Z	0.3	14.6 (0)	0.1	
		eS	00 05 10	R	0.4	37.9 (0)		
29	LC	eP	01 05 10.9	Z	0.9	1.9 (0)		
29	01 22 06.4		02.0 N 123.4 E	NORTHERN CELEBES				
			H =043 KM					
29	RK	eP'	01 40 50.9	Z	1.0	12.5 (0)	119.0	
29	LC	eP'	01 40 59.3	Z	0.8	4.4 (0)	122.0	
29	MV	eL	02 12 30	LZ	33	11.0 (1)	108.0	
29	LC	eP	03 43 11.5	Z	0.9	2.8 (0)		
29	04 00 18.1		06.7 N 72.9 W	COLOMBIA				
			H =170 KM MAG	3.90- CGS				
29	MV	eL	05 15 50	LZ	30	33.0 (1)		
29	06 08 48.0		21.9 N 145.5 E	MARIANA ISLANDS				
			H =130 KM MAG	4.60- CGS				
29	MN	eP	06 20 52.5	Z	0.6	4.8 (0)	81.0	4.47
29	LC	eP	06 21 46.1	Z	0.8	2.2 (0)	93.0	4.48
						AVG.		4.47
29	08 53 48.4		39.6 N 74.2 E	SINKIANG PROVINCE, CHINA				
			H =031 KM MAG	5.50- CGS				
29	RK	eP	09 06 42.0	Z	0.7	28.7 (0)	89.0	5.61
		eSKS	09 17 10	R	1.6	34.8 (0)		
		eSKS	09 17 11	LR	13	62.9 (2)		
		eS	09 17 32	R	1.8	12.0 (1)		
		eSS	09 24 00	LT	36	43.1 (2)		
29	DH	eP	09 07 04.0	Z	1.0	38.0 (0)	94.0	5.71
		eP	09 07 05	LZ	15	62.3 (1)		
		ePP	09 10 50	LZ	16	84.1 (1)		
		eSP	09 19 25	LZ	18	23.3 (2)		
		eSS	09 24 45	LT	37	29.5 (2)		
29	BR	eP	09 07 08.1	Z	1.0	15.5 (0)	97.0	5.55
29	MV	eP	09 07 32.5	Z	0.9	2.4 (0)	100.0	4.83

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	09 07 34	LZ	13	34.9 (1)		
		ePP	09 10 48	LZ	21	36.2 (1)		
		e	09 10 53	Z	2.0	39.9 (0)		
		ePPP	09 13 45	Z	2.0	39.9 (0)		
		eSKS	09 18 15	T	2.8	11.2 (1)		
		ePS	09 20 48	LT	24	82.8 (1)		
		ePKKP	09 23 50	Z	0.8	1.8 (0)		
		e	09 30 00	LZ	25	52.0 (1)		
29	MN	eP	09 07 38.7	Z	0.6	2.7 (0)	102.0	5.09
		eP	09 07 40	LZ	15	25.7 (1)		
		ePP	09 11 48	LZ	16	41.6 (1)		
		ePPS	09 21 42	LT	20	13.4 (2)		
		ePKKP	09 23 35	Z	1.1	2.0 (0)		
		eSS	09 27 05	LT	31	16.1 (2)		
		e	09 34 20	LZ	21	10.8 (2)		
29	DR	eP	09 07 42.5	Z	1.0	3.6 (0)	103.0	5.09
		eP	09 07 47	LZ	12	34.6 (1)		
		e	09 10 15	Z	2.0	22.9 (0)		
		ePP	09 12 00	LZ	17	46.3 (1)		
		ePP	09 12 05	Z	2.0	45.8 (0)		
		eSKS	09 18 30	LT	22	39.2 (1)		
		eSKS	09 18 31	R	4.0	30.3 (1)		
		ePS	09 21 15	LT	20	97.3 (1)		
		ePKKP	09 23 41	Z	1.0	3.6 (0)		
		eSS	09 27 20	LT	38	54.5 (2)		
		eSKKS	09 30 50	LT	26	10.8 (2)		
29	LC	ePD	09 08 12.1	Z	0.7	1.2 (0)	108.0	
		eP	09 08 13	LZ	16	16.8 (1)		
		ePP	09 12 26	Z	1.4	11.9 (0)		
		ePP	09 12 27	LZ	17	44.3 (1)		
		eSP	09 22 01	Z	3.0	13.0 (1)		
		eSP	09 22 02	LZ	19	73.0 (1)		
		ePPS	09 23 06	LR	23	11.1 (2)		
		ePKKP	09 23 25	Z	0.9	2.8 (0)		
		e	09 28 35	LR	39	18.0 (2)		
		eSSS	09 32 15	LR	32	15.7 (2)		
		e	09 35 49	LZ	24	60.0 (1)		
29	LV	ePP	09 12 30	LZ	15	70.3 (1)	107.0	
		ePP	09 12 31	Z	1.2	55.5 (0)		
		eSP	09 21 55	LZ	22	13.0 (2)		
		e	09 26 55	LZ	25	85.0 (1)		
		e	09 29 45	LZ	27	12.5 (2)		
		e	09 31 50	LZ	30	27.2 (2)		
							AVG.	5.31
29	DH	eP	13 12 50.0	Z	1.5	56.0 (0)		
29	15 30 31.4		07.1 S 81.6 W	OFF COAST OF PERU				
			H =023 KM MAG	6.50- PAS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LV	eP	15 38 09.0	Z	1.5	84.9 (1)	40.0	6.19
		eP	15 38 10	LZ	999.9	99.9 (9)		
		ePCP	15 40 13	Z	1.0	18.0 (1)		
29	LC	eP	15 38 54.9	Z	0.6	67.9 (0)	46.0	5.80
		eP	15 38 55	LZ	999.9	99.9 (9)		
		e	15 39 50	Z	1.0	92.5 (0)		
		ePCP	15 40 33	Z	1.1	74.0 (0)		
		eS	15 45 40	T	3.5	54.1 (1)		
		eL	15 55 31	T	6.6	17.5 (2)		
29	BR	eP	15 39 01.5	Z	0.6	50.2 (0)	47.0	5.75
		ePCS	15 44 40	T	5.5	63.6 (2)		
		eL	15 52 43	T	14.0	99.9 (9)		
29	DH	eP	15 39 21.5	Z	1.3	25.6 (2)	49.0	7.07
		eP	15 39 22	LZ	12	99.9 (9)		
		e	15 46 05	LZ	999.9	99.9 (9)		
29	DR	eP	15 39 32.0	Z	1.6	36.2 (1)	51.0	6.07
		eP	15 39 32	LZ	999.9	99.9 (9)		
		ePCP	15 40 49	Z	1.1	93.5 (0)		
		eSP	15 46 40	LZ	999.9	99.9 (9)		
		e	15 47 57	T	0.7	5.8 (0)		
29	MN	eP	15 40 15.4	Z	999.9	99.9 (9)	57.0	
		eP	15 40 17	LZ	999.9	99.9 (9)		
		ePP	15 42 35.0	Z	2.0	33.2 (1)		
		eSCS	15 50 14	T	4.3	71.9 (1)		
29	RK	eP	15 40 27.5	Z	1.0	22.6 (1)	59.0	6.15
		eS	15 48 31	R	4.0	26.7 (2)		
		eS	15 48 31	LT	16	99.9 (9)		
		eL	15 55 10	LR	29	11.6 (3)		
29	MV	eP	15 40 31.3	Z	0.9	49.1 (0)	59.0	5.53
		eP	15 40 32	LZ	21	99.9 (9)		
		ePCP	15 41 27	Z	0.7	28.6 (0)		
		eS	15 48 40	T	8.0	26.7 (2)		
		eS	15 48 43	LR	18	77.0 (2)		
		eSCS	15 50 19	T	5.0	58.6 (1)		
		eL	16 03 24	T	15.0	11.4 (1)		
29	HW	eP	15 42 29.9	Z	1.3	59.5 (1)	78.0	6.49
							AVG.	6.13
29	MV	eP	16 07 50.1	Z	1.0	6.3 (0)		
29	RK	eP	16 09 50.0	Z	1.1	9.3 (0)		
29	MV	eP	16 10 03.5	Z	1.1	11.8 (0)		
29	MV	e	16 10 15	Z	1.5	10.8 (1)		
29	MN	eP	16 10 21.3	Z	1.4	71.1 (0)		
29	LC	eP	16 16 43.6	Z	1.0	5.0 (0)		

29 20 57 31.5 15.5 S 172.9 W TONGA ISLANDS REGION
H =033 KM MAG 4.90- CGS

29	MV	eP	21 09 00.5	Z	1.3	6.1 (0)	73.0	4.47

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	21 09 01	LZ	18	37.8 (1)		
		eS	21 18 31	LT	30	35.3 (2)		
		eLQ	21 27 28	LR	25	20.7 (2)		
		eLR	21 30 22	LZ	27	17.0 (2)		
29	MN	eP	21 09 05	LZ	16	50.8 (1)	74.0	
		e	21 18 51	LZ	16	50.8 (1)		
29	LC	eP	21 09 36.5	Z	1.6	17.2 (0)	79.0	4.76
		eP	21 09 37	LZ	19	36.8 (1)		
		eS	21 19 40	LT	18	11.2 (2)		
		eSS	21 24 10	LT	10	70.6 (2)		
		e	21 28 10	LT	23	40.9 (1)		
		eLQ	21 31 44	LR	20	71.9 (1)		
		eLR	21 33 46	LZ	28	99.9 (9)		
29	DR	eP	21 09 44.5	Z	1.4	14.5 (0)	81.0	4.75
		eP	21 09 45	LZ	16	43.7 (1)		
		eS	21 19 58	LT	17	82.8 (1)		
		e	21 24 42	LZ	23	72.0 (1)		
		e	21 31 35	LT	27	13.1 (2)		
		eL	21 34 35	LZ	35	25.5 (2)		
29	LV	e	21 21 10	LZ	17	73.1 (1)	91.0	
		e	21 29 00	LZ	22	32.5 (1)		
		e	21 34 55	LZ	22	61.0 (1)		
		eL	21 39 45	LZ	35	22.0 (2)		
29	DH	e	21 26 28	LZ	18	73.8 (1)	106.0	
		eSS	21 31 20	LR	20	17.4 (2)		
		e	21 35 55	LZ	15	51.9 (1)		
		e	21 40 38	LZ	22	39.7 (1)		
		eL	21 47 47	LZ	35	12.2 (2)		
29	RK	eL	21 44 40	LR	27	16.1 (2)	95.0	
							AVG.	4.66

30 00 16 36.3 08.7 S 108.6 E OFF SOUTH COAST OF JAVA
H =033 KM MAG 5.10- CGS

30	MV	eP'	00 35 39.0	Z	1.0	6.3 (0)	126.0	
		eL	01 18 53	LZ	26	17.5 (1)		
30	MN	eP'	00 35 44.0	Z	1.0	3.3 (0)	129.0	
30	LC	eP'	00 35 57.2	Z	1.0	2.5 (0)	140.0	
30	MN	eL	01 20 11	LZ	30	25.6 (1)	129.0	
30	DR	eL	01 26 40	LZ	21	20.3 (1)	136.0	
30	LV	eL	01 32 52	LZ	30	12.8 (1)	150.0	

30 00 43 19.0 23.3 S 66.3 W JUJUY PROVINCE, ARGENTINA
H =239 KM MAG 4.60- CGS

30	LV	eP	05 53 04.0	Z	0.6	29.7 (0)	60.0	5.11
30	LC	eP	00 53 50.5	Z	1.0	7.5 (0)	67.0	4.38

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	DR	eP	00 54 18.6	Z	0.9	5.7 (0)	72.0	4.30
30	MN	eP	00 54 54.5	Z	1.0	4.9 (0)	78.0	4.19
							AVG.	4.49
30	BR	eP	01 36 19.5	Z	0.7	27.6 (0)		
30	RK	eP	01 39 16.7	Z	1.0	7.2 (0)		
30	LC	eP	02 22 36.5	Z	0.5	0.9 (0)	3.2	
		eS	02 23 16	R	0.6	2.5 (0)		
30	MN	eP	03 01 15.5	Z	0.6	2.4 (0)		
30	DR	eP	03 15 56.5	Z	1.0	3.7 (0)		
30	MN	eP	03 16 26.1	Z	1.0	2.4 (0)		
30	04 46 25.0		44.8 N 80.1 E CHINA KAZAKH S.S.R. BORDER H =033 KM MAG 4.90- CGS					
30	RK	eL	05 32 45	LR	25	33.8 (1)	84.0	
30	LV	eL	05 36 55	LZ	37	25.2 (1)	103.0	
30	MN	eL	05 39 55	LR	20	11.1 (1)	96.0	
30	MV	eL	05 42 10	LZ	25	14.8 (1)	94.0	
30	DR	eL	05 43 23	LZ	25	20.2 (1)	97.0	
30	LC	eL	05 46 05	LZ	25	19.6 (1)	103.0	
30	RK	eP	04 59 55.6	Z	0.6	8.0 (0)		
30	RK	eP	05 04 30.5	Z	0.6	7.0 (0)		
30	LC	eP	05 53 56.6	Z	0.8	1.4 (0)		
30	MN	eP	05 55 35.1	Z	0.8	3.9 (0)		
30	RK	eP	05 56 53.0	Z	0.6	14.0 (0)		
30	MN	eP	06 22 50.3	Z	0.3	2.3 (0)	1.2	
		eS	06 23 06	R	0.3	5.1 (0)		
30	07 16 04.0		71.6 N 4.7 W JAN MAYEN ISLAND REGION H =033 KM MAG 4.20- CGS					
30	MN	eP	10 41 31.4	Z	0.9	1.2 (0)		
30	MN	eP	11 46 15.9	Z	0.8	2.9 (0)		
30	13 51 51.6		23.4 S 175.4 W TONGA ISLANDS H =033 KM MAG 4.90- CGS					
30	MV	eP	14 04 01.1	Z	1.0	4.7 (0)	80.0	4.34
		eS	14 14 10	LR	21	13.7 (1)		
		eL	14 30 00	LZ	22	14.9 (1)		
30	MN	eP	14 04 08.4	Z	0.9	6.3 (0)	82.0	4.65

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	14 14 27	LR	16	28.6 (1)		
		eL	14 30 48	LZ	24	32.6 (1)		
30	LC	eP	14 04 31.5	Z	1.2	7.7 (0)	86.0	4.64
		eS	14 15 14	LT	17	24.7 (1)		
		eLR	14 32 47	LZ	23	41.9 (1)		
		eL	14 37 02	LR	20	52.6 (1)		
		eL	14 37 02	LT	19	42.5 (1)		
		eL	14 37 02	LZ	19	73.7 (1)		
30	DR	eL	14 33 55	LZ	24	30.3 (1)	88.0	
30	LV	eL	14 40 55	LZ	21	25.5 (1)	97.0	
30	BR	eP	16 08 08.6	Z	0.3	2.7 (0)	1.3	
30	BR	eS	16 08 24	R	0.3	12.3 (0)		
30	BR	eP	16 20 51.0	Z	0.6	7.2 (0)		
30	MV	eP	18 20 46.9	Z	0.9	7.3 (0)		
30	MN	eP	20 09 08.8	Z	0.3	4.7 (0)	1.0	
		eS	20 09 23	R	0.3	11.5 (0)		
30	BR	eP	21 06 31.5	Z	0.4	17.1 (0)	0.1	
		eS	21 06 36	T	0.4	99.9 (9)		
30	MV	eP	22 50 14.7	Z	1.0	4.7 (0)		
31	NP	eP	08 45 11.7	JZ	.8	13.2 (0)	1.0	
		e	08 45 18	JZ	.8	33.2 (0)		
		eS	08 45 25	T	0.8	8.7 (0)		
31	LC	eL	09 33 10	LZ	26	38.0 (0)		
31	DR	eL	09 36 21	LZ	22	76.6 (0)		
31	MN	eL	09 37 06	LZ	22	65.5 (0)		
31	LC	eL	10 26 30	LZ	21	30.9 (0)		
31	10 30 30.1		15.9 S 74.4 W SOUTHERN PERU H =053 KM MAG 4.10- CGS					
31	12 47 11.*		28.2 N 129.3 E RYUKYU ISLANDS H =033 KM MAG 4.60- CGS					
31	13 08 46.3		11.9 N 87.0 W OFF WEST COAST NICARAGUA H =048 KM MAG 4.90- CGS					
31	LC	eP	13 14 27.5	Z	0.6	10.5 (0)	27.0	4.65
		e	13 19 32	LZ	17	87.2 (0)		
		eL	13 23 00	LZ	35	11.4 (1)		
31	BR	eP	13 14 43.1	Z	0.6	4.7 (0)	29.0	4.39
31	DR	eP	13 15 06.5	Z	0.6	10.8 (0)	32.0	4.86
		ePCP	13 17 59	Z	0.8	2.1 (0)		
		eSCP	13 21 40	Z	0.9	1.9 (0)		
		eL	13 25 20	LZ	31	12.5 (1)		
31	DH	eP	13 15 11.2	Z	0.7	18.9 (0)	32.0	5.03

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	MN	eP	13 16 05.5	Z	1.0	13.2 (0)	38.0	4.71
		ePCP	13 18 18	Z	0.8	2.9 (0)		
		eL	13 28 55	LZ	31	18.1 (1)		
31	RK	eP	13 16 09.8	Z	0.7	9.6 (0)	39.0	4.68
31	LV	eL	13 21 10	LZ	25	21.6 (1)	21.0	
							AVG.	4.72
31	RK	eP	15 25 51.5	Z	0.8	5.7 (0)		
31	16 29 52.*		47.5 N 143.6 E SAKHALIN REGION					
			H =070 KM MAG 4.70- CGS					
31	MN	eP	16 40 44.8	Z	0.7	4.9 (0)	68.0	4.57
31	RK	eP	16 40 58.3	Z	0.6	28.4 (0)	70.0	5.36
							AVG.	4.96
31	16 31 12.*		36.6 N 121.8 W MONTEREY CTY., CALIFORNIA					
			H =015 KM MAG 4.70- CGS					
31	MV	eP	16 31 54.0	Z	999.9	99.9 (9)	2.6	
		eP	16 32 00	LZ	15	11.9 (2)		
31	MN	eP	16 32 05.7	Z	0.4	2.8 (0)	3.5	3.64
		eL	16 32 51	LR	17	20.2 (2)		
31	DR	eL	16 37 46	LZ	19	16.6 (1)	11.0	
31	16 53 44.7		02.0 N 127.5 E HALMAHERA REGION					
			H =070 KM					
31	LC	eP	17 35 11.0	Z	0.3	13.1 (0)	1.4	
		eS	17 35 30	T	0.3	18.5 (0)		
31	BR	eP	18 13 49.3	Z	0.3	20.0 (0)	0.2	
		eS	18 13 55	T	0.3	50.2 (0)		
31	21 26 09.3		21.5 S 179.2 W FIJI ISLANDS					
			H =543 KM MAG 4.80- CGS					

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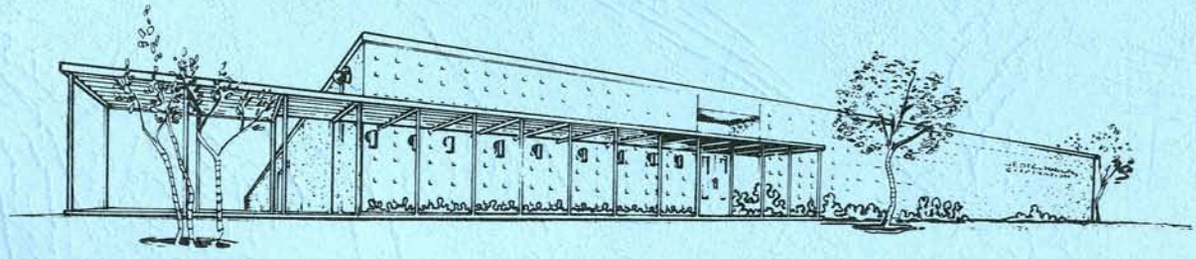
SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No:	VT/4051
ARPA Order No:	104-60
ARPA Code No:	8100
Contractor:	The Geotechnical Corporation Garland, Texas
Contract No:	AF 33(657)-12145

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CONTENTS

ILLUSTRATIONS

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TABLES

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at eight of the forty mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/4051, Contract AF 33(657)-12145, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the forty teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM bulletin sites, with the exception of Mould Bay, Canada (NP NT), and Hawaii Island (HW IS), consists of a three-component Benioff short-period seismograph system and a three-component

Sprengnether long-period seismograph system. Both systems use phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2. A 14-element short-period vertical Benioff seismometer array is in operation at HW IS. A 7-element short-period Johnson-Matheson vertical seismometer array is in operation at NP NT. The response characteristics of this system are shown in figure 3.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by fourteen-channel Magnetic Tape Recorders, Ampex Model 314.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G. C. T.).

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table:

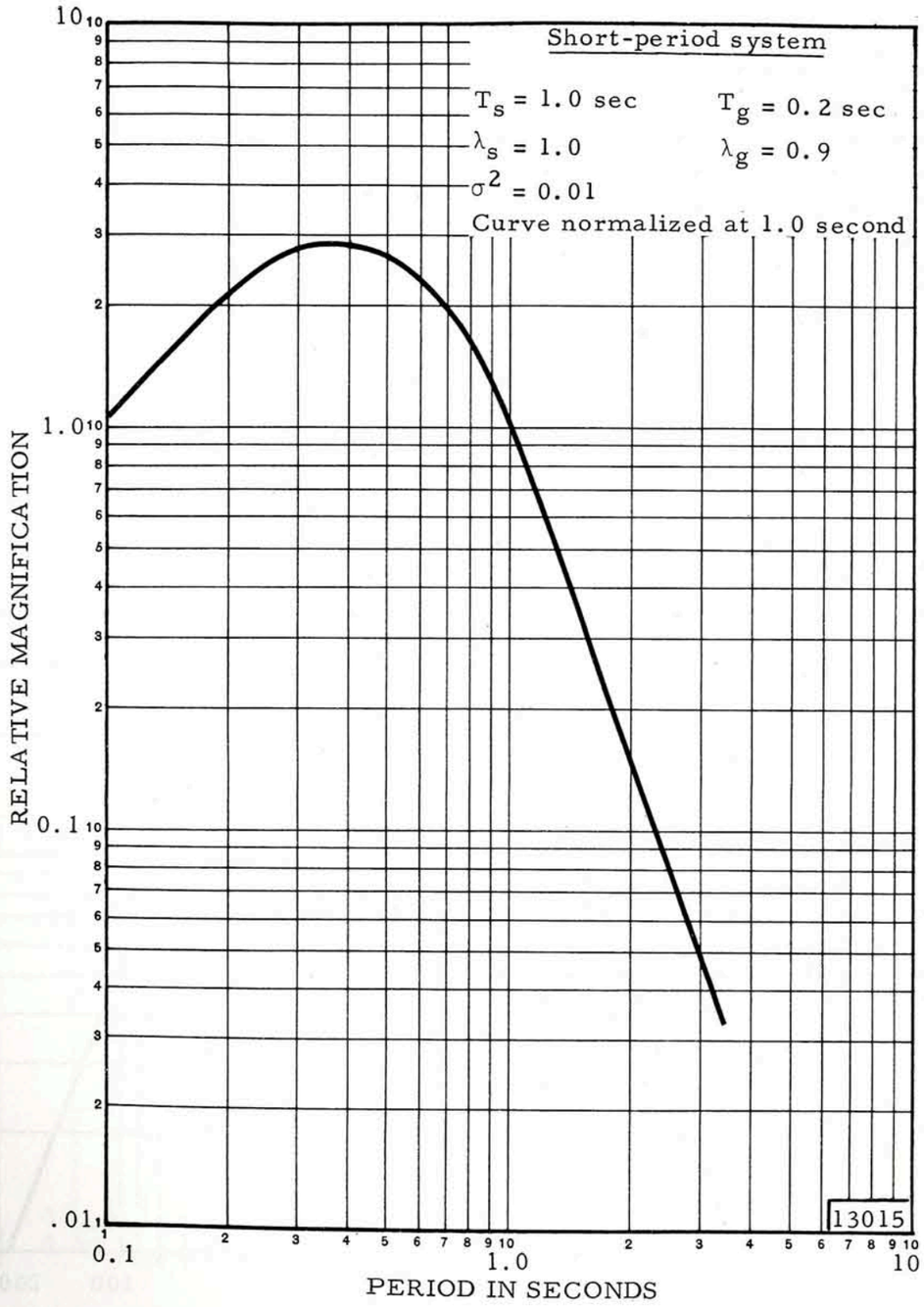

Figure 1. Frequency response of the Benioff short-period seismograph system

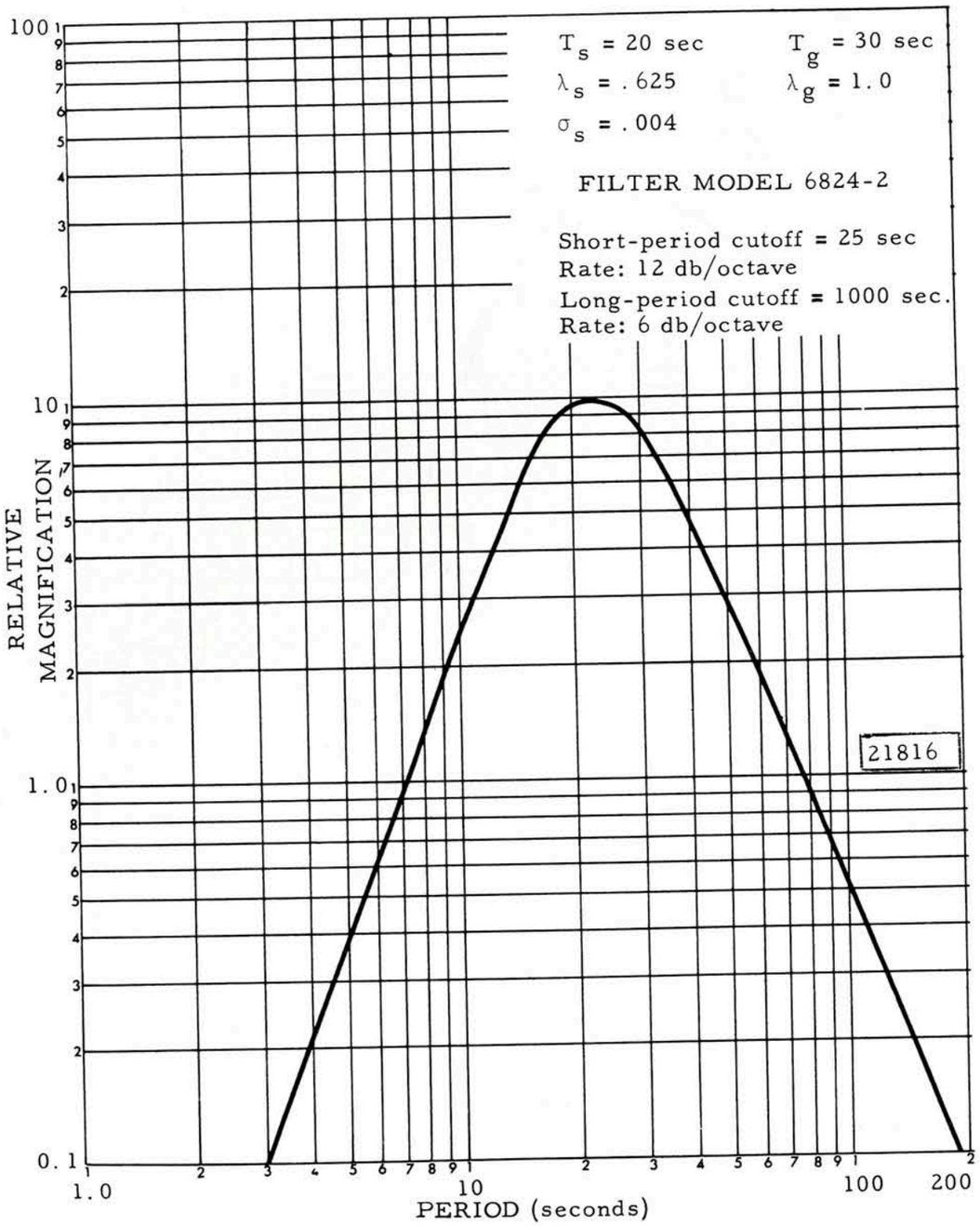

Figure 2. Frequency response of the Sprengnether long-period seismograph system

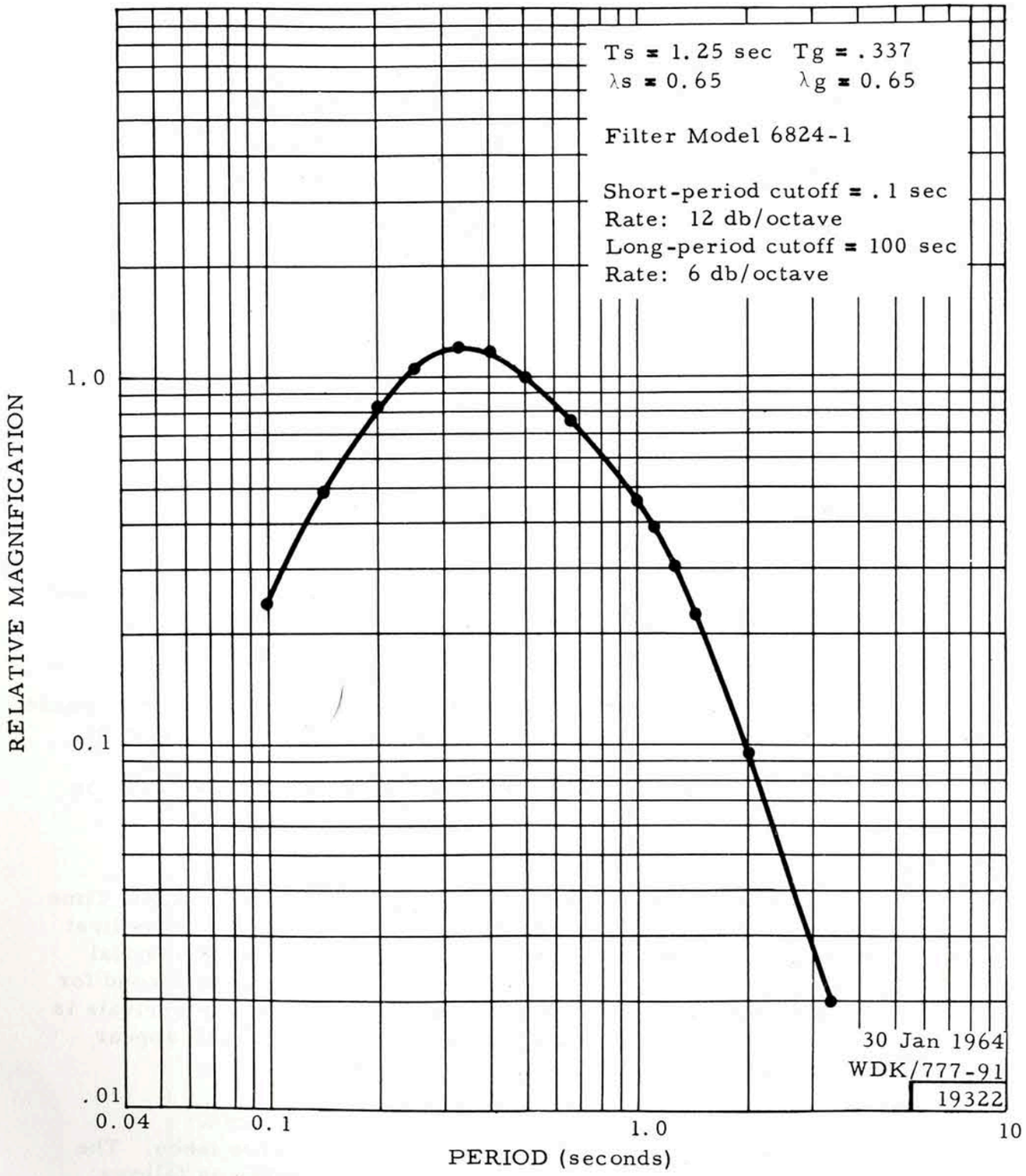

Figure 3. Frequency response of the Johnson-Matheson seismograph system

Site Code	Site Designation
MV	Marysville, California
LC	Las Cruces, New Mexico
DH	Delhi, New York
RK	Red Lake, Ontario
LV	Liddieville, Louisiana
HW	Hawaii Island
NP	Mould Bay, Canada
MN	Mina, Nevada

The locations of the sites are shown in figures 4 and 5.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (G. C. T.). Arrival times indicate that time at which phase motion is first detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

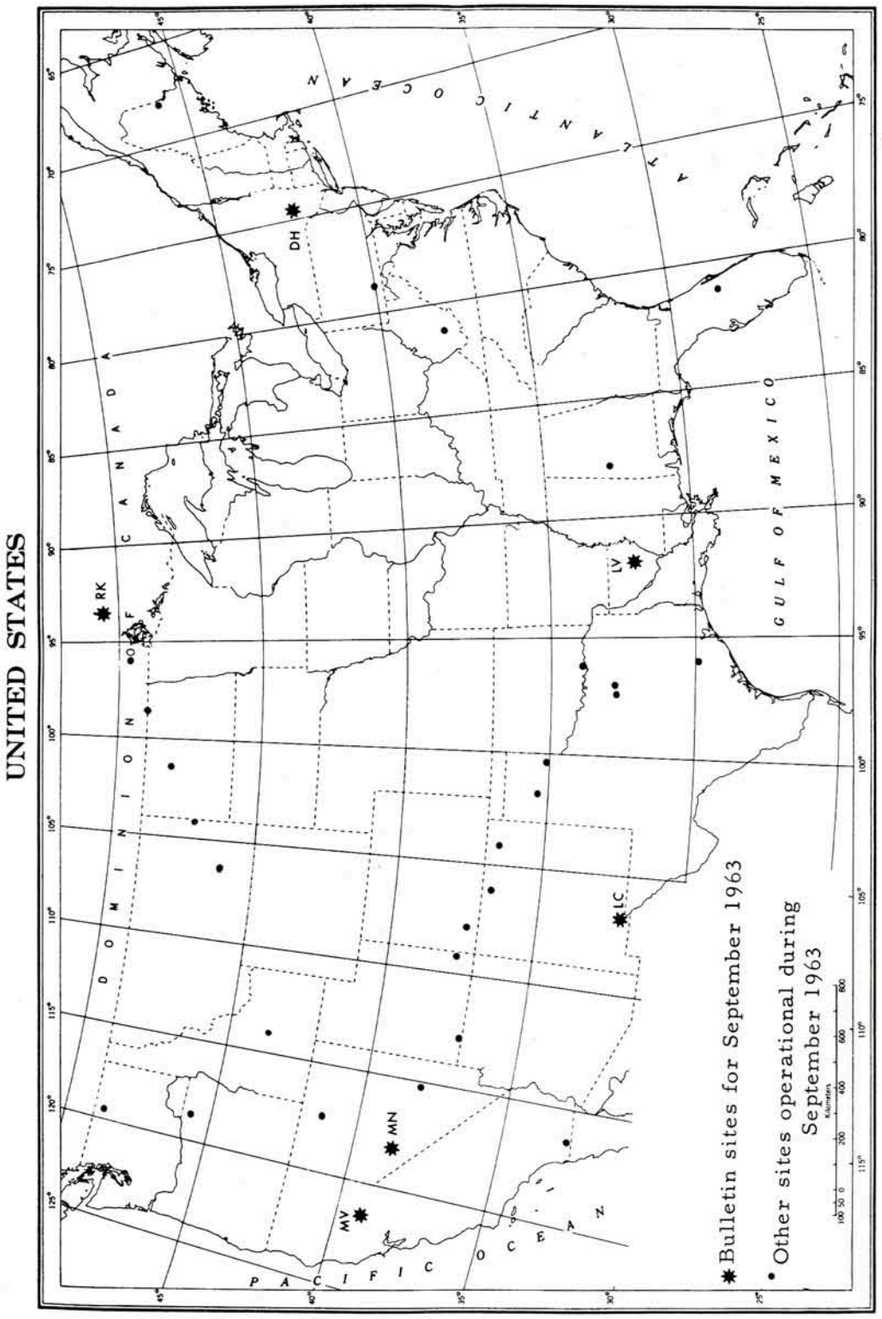

Figure 4. LRSM sites inside the continental U. S. and Canada during September 1963

Figure 5. LRSM bulletin sites outside the continental United States during September 1963

Z	Benioff Short-Period Vertical
JZ	Johnson-Matheson Short-Period Vertical
R [1]	Short-Period Radial (horizontal)
T [1]	Short-Period Transverse (horizontal)
LZ	Long-Period Vertical
LR [1]	Long-Period Radial (horizontal)
LT [1]	Long-Period Transverse (horizontal)

[1] Table 1 gives the instrument orientation of the horizontal seismometers.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

3.7 AMP This column contains the amplitude of the phase given in millimicrons of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$$30.0\ (2) = 30 \times 10^{2} = 3000\ m\mu$$
$$30.0\ (1) = 30 \times 10^{1} = 300\ m\mu$$
$$30.0\ (0) = 30 \times 10^{0} = 30.0\ m\mu$$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

3.8 DIST This is the distance from the recording station to the epicenter. All reported distances are calculated based on geocentric coordinates. Distance is given to the nearest 1/10 of a degree for distances up to six degrees. Beyond six degrees calculations are made to the nearest one degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases, the major arc distance is given.

Table 1. LRSM site information

Site code	Site designation	Seismometer orientation (Azimuth from true north in degrees*) Radial	Seismometer orientation (Azimuth from true north in degrees*) Transverse	Site coordinates in deg, min, sec	Elevation in km	Rock type
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58	1.59	Limestone
RK ON	Red Lake, Ontario	058	148	N 50 50 20 W 93 40 20	0.37	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35	0.18	Volcanics
HW IS	Hawaii Island	235	325	N 19 58 49 W 155 42 20	0.71	Basalt
MN NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.52	Limestone
LV LA	Liddieville, Louisiana	111	201	N 32 08 10 W 91 52 30	0.02	Alluvium
NP NT	Mould Bay, Canada	356	086	N 76 15 08 W 119 22 18	0.06	Alluvium
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18	0.65	Sandstone

*When earth moves in direction shown, trace moves up.

3.9 MAG The magnitudes provided are body wave magnitudes, m_b, as defined by Gutenberg and Richter.[1] They are determined only from the short-period vertical component of the "P" phase (initial arrival). The following equation is used:

$$m_b = \log_{10}(A/T) + Q$$

where:

m_b = body wave magnitude

A = 1/2 P-P earth amplitude of "P" phase, in microns

T = Period of "P" phase, in seconds

Q = Depth-distance factor for PZ given by Gutenberg and Richter[1], for distances greater than 16°.

Magnitude computations for distances less than 16° are based on AFTAC extensions of the "Q" tables. Points from 10° to 16° were read from a curve in the Gutenberg-Richter paper, and an inverse cube relationship was used to extrapolate from 2° to 10°.

The average magnitude (sum of station magnitudes/number of stations) is listed on the last line of an epicenter print-out.

When possible, magnitudes are computed for foreshocks and aftershocks as well as for the main event.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

[1]Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Amn. Geofis., 9, pp. 1-15.

The notation AS located between these columns calls attention to an aftershock recorded following the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

Line 1 (from left to right)

First group:	Day of the month
Second group:	Origin time of the event
Third group:	Geographic coordinates of the epicenter
Fourth group:	Geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to $1/2^{o}$ in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group:	Depth (h) of the hypocenter in kilometers
Second group:	Magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), Palisades (PAL), or USC&GS (CGS)

NOTE

MAG. (CGS) is m_b of Gutenberg and Richter from the P phase only. The magnitude quoted is an average value determined from data forwarded by cooperating Standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC)
VELA Seismological Center
Washington 25, D. C.
ATTN: Captain Nicholas A. Orsini

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	01 34 33.8		33.9 N 74.5 E NORTHERN INDIA H =063 KM MAG 3.60- CGS					
1	06 47 23.5		31.7 N 141.0 E SOUTH OF HONSHU, JAPAN H =033 KM MAG 4.10- CGS					
1	LV	eL	07 31 30	LZ	17	15.7 (1)	99.0	
1	MN	eP	07 04 59.0	Z	1.1	2.0 (0)		
1	MN	e	07 17 22	Z	1.0	1.6 (0)		
1	11 11 13.7		05.4 N 82.4 W SOUTH OF PANAMA H =061 KM MAG 4.60- CGS					
1	LC	eP	11 18 03.5	Z	1.0	3.7 (0)	35.0	4.27
		eP	11 18 04	LZ	18	68.7 (0)		
		ePP	11 19 11	Z	1.2	1.9 (0)		
		e	11 19 30	LR	18	20.6 (1)		
		eS	11 23 46	LR	17	45.9 (1)		
		e	11 25 50	LZ	23	17.0 (1)		
		eLQ	11 27 32	LT	38	33.6 (1)		
		eLR	11 28 47	LZ	33	55.4 (1)		
		eL	11 30 31	LR	25	37.5 (1)		
		eL	11 30 31	LT	25	23.8 (1)		
		eL	11 30 31	LZ	28	38.7 (1)		
1	MN	eP	11 19 35.2	Z	1.1	13.3 (0)	46.0	4.76
		eS	11 26 36	LR	27	30.6 (1)		
		eLQ	11 30 00	LR	20	12.6 (1)		
		eLR	11 34 50	LZ	38	26.5 (1)		
1	LV	eL	11 21 50	LZ	25	20.7 (1)	28.0	
1	MV	eS	11 27 12	LR	23	23.7 (1)	49.0	
		eLR	11 36 00	LZ	30	26.7 (1)		
1	RK	eLR	11 37 30	LZ	15	25.1 (1)	46.0	
							AVG.	4.51
1	11 30 31.*		40.6 S 83.8 W OFF COAST SOUTHERN CHILE H =033 KM MAG 4.20- CGS					
1	LC	eLR	12 11 29	LZ	18	10.9 (1)	86.0	
1	MV	eP	14 06 35.9	Z	0.2	3.9 (0)	1.9	
		eS	14 07 02	R	0.4	4.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	15 23 57.4		50.2 N 129.4 W VANCOUVER ISLAND REGION H =033 KM MAG 4.10- CGS					
1	MV	eP	15 26 52.0	Z	1.0	4.9 (0)	12.0	4.56
		eL	15 30 25	LZ	15	27.4 (1)		
1	MN	eP	15 27 16.5	Z	1.3	4.7 (0)	14.0	3.96
		eL	15 31 15	LZ	15	19.9 (1)		
1	LC	eL	15 36 44	LZ	27	56.6 (0)	24.0	
							AVG.	4.26
1	MN	eP	16 48 42.0	Z	1.0	2.4 (0)		
1	LC	e	17 32 25	LR	22	17.1 (1)		
1	LV	eLR	17 36 35	LZ	33	25.9 (1)		
1	LC	eLR	17 43 02	LZ	32	14.3 (1)		
1	MN	eL	17 49 00	LZ	33	22.9 (1)		
1	MV	eLR	17 49 35	LZ	32	23.9 (1)		
1	MN	eP	18 45 39.2	Z	0.5	4.3 (0)	2.9	
		eS	18 46 11	R	0.5	3.5 (0)		
		eP	19 04 26.0	Z	0.2	0.7 (0)		
		eS	19 05 02	R	0.2	6.0 (0)		
1	MV	eP	19 25 46.2	Z	1.0	3.2 (0)		
1	MN	eP	19 26 12.0	Z	1.0	2.4 (0)		
1	MN	eP	19 45 48.1	Z	0.2	3.9 (0)	3.3	
		eS	19 46 29	R	0.9	5.8 (0)		
1	HW	eP	21 31 35.9	Z	0.2	24.4 (1)		
1	MN	eP	22 11 05.5	Z	1.0	1.6 (0)		
1	22 57 34.4		11.3 N 85.5 W NICARAGUA H =120 KM MAG 4.40- CGS					
1	MN	eP	23 04 58.0	Z	0.8	10.8 (0)	40.0	4.67
		ePCP	23 06 54	Z	1.0	1.6 (0)		
1	LV	e	23 06 50	LZ	22	16.9 (1)	22.0	
		eLR	23 09 40	LZ	30	34.1 (1)		
1	23 28 08.4		01.0 N 28.4 W NORTH ATLANTIC OCEAN H =033 KM MAG 4.50- CGS					
2	01 34 30.3		33.9 N 74.7 E NORTHERN INDIA H =033 KM MAG 5.10- CGS					
2	NP	eP	01 45 39.0	JZ	.9	15.0 (1)	70.0	5.99
2	01 34 31.6		33.9 N 74.7 E NORTHERN INDIA H =044 KM MAG 5.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	RK	eLR	02 27 05	LZ	27	28.9 (1)	95.0	
2	DH	eLR	02 28 47	LZ	26	22.9 (1)	99.0	
2	MV	eL	02 30 07	LT	25	25.1 (1)	106.0	
2	LC	e	02 31 20	LR	999.9	99.9 (9)	114.0	
		eL	02 33 48	LZ	31	21.9 (1)		
		eL	02 43 15	LZ	24	77.3 (1)		
		eL	02 43 15	LR	22	45.4 (1)		
		eL	02 43 15	LT	22	79.4 (1)		
2	MN	eL	02 33 38	LZ	23	24.5 (1)	107.0	
		eL	02 36 50	LZ	19	37.7 (1)		
		eL	02 36 50	LR	19	69.5 (1)		
		eL	02 36 50	LT	20	77.1 (1)		
2	02 27 14.4		24.3 N 108.6 W GULF OF CALIFORNIA H =033 KM MAG 4.10- CGS					
2	LC	eP	02 29 12.4	Z	0.9	4.8 (0)	8.0	4.53
		eL	02 31 40	R	0.9	9.9 (0)		
2	MN	eP	02 31 02.4	Z	1.1	12.3 (0)	16.0	3.98
							AVG.	4.25
2	03 46 14.8		49.5 N 128.3 W VANCOUVER ISLAND REGION H =033 KM MAG 3.70- CGS					
2	MN	eP	03 49 33.0	Z	0.7	0.8 (0)	13.0	3.84
2	LC	eP	03 51 24.5	Z	0.7	1.2 (0)	24.0	3.52
							AVG.	3.68
2	04 10 18.4		14.1 S 76.4 W SOUTHERN PERU H =041 KM MAG 4.50- CGS					
2	LC	eP	04 19 45.0	Z	0.9	2.9 (0)	55.0	4.31
		eL	04 34 00	LZ	20	52.1 (0)		
2	DH	eP	04 19 55.6	Z	1.0	38.9 (0)	56.0	5.39
2	MN	eP	04 21 06.3	Z	0.7	0.8 (0)	65.0	3.94
							AVG.	4.54
2	06 52 10.9		40.3 N 145.3 E OFF E. COAST HONSHU, JAPAN H =033 KM MAG 4.40- CGS					
2	MN	eP	07 03 26.0	Z	0.9	3.1 (0)	71.0	4.35
2	LC	eP	07 04 28.9	Z	0.8	2.9 (0)	82.0	4.37
							AVG.	4.36

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	08 03 21.7		52.5 N 169.2 W FOX ALEUTIAN ISLANDS H =033 KM MAG 4.40- CGS					
2	MV	eP	08 10 20.0	Z	0.9	2.4 (0)	35.0	4.13
		ePCP	08 12 54	Z	0.9	2.4 (0)		
2	MN	eP	08 10 45.3	Z	0.8	0.9 (0)	38.0	3.65
		ePCP	08 13 02	Z	1.3	4.7 (0)		
2	LC	eP	08 12 04.1	Z	1.0	2.5 (0)	49.0	4.17
2	DH	eP	08 13 29.0	Z	0.7	4.8 (0)	60.0	4.67
							AVG.	4.15
2	MN	eP	09 28 16.1	Z	999.9	99.9 (9)		
2	MV	eP	09 28 58.1	Z	0.3	4.5 (0)	2.7	
		eS	09 29 34	T	0.4	4.0 (0)		
2	LC	eP	10 45 27.9	Z	0.3	0.4 (0)		
2	LC	e	10 45 31	Z	0.3	2.2 (0)		
2	LC	eS	10 46 09	R	0.4	2.0 (0)		
2	LC	eP	11 33 23.1	Z	0.7	1.2 (0)		
2	LC	eLQ	11 35 20	LR	13	11.2 (2)		
2	LC	eL	11 35 25	R	0.8	2.7 (0)		
2	LC	eLR	11 36 12	LZ	15	21.5 (1)		
2	11 44 00.2		45.4 N 150.9 E KURILE ISLANDS H =033 KM MAG 4.50- CGS					
2	MV	eP	11 54 32.0	Z	1.1	3.9 (0)	62.0	4.48
2	MN	eP	11 54 36.1	Z	0.8	0.9 (0)	65.0	3.99
2	LC	eP	11 55 56.6	Z	0.8	1.4 (0)	76.0	4.07
2	DH	eP	11 56 26.5	Z	0.7	9.6 (0)	84.0	5.04
							AVG.	4.39
2	13 02 07.*		18.2 S 62.6 W BOLIVIA H =033 KM MAG 4.50- CGS					
2	13 10 43.3		26.2 N 109.5 W NEAR COAST SINALOA, MEXICO H =033 KM MAG 4.00- CGS					
2	LC	eP	13 12 28.0	Z	0.7	6.2 (0)	7.0	4.58
		eL	13 14 13	LR	9	87.5 (2)		
		eL	13 14 36	R	0.9	20.8 (0)		
2	MN	eP	13 14 06.2	Z	1.0	2.4 (0)	14.0	3.79
		eL	13 18 07	LR	19	15.0 (1)		
2	MV	eL	13 18 40	LT	23	25.3 (1)	16.0	
2	DH	eLQ	13 28 00	LR	18	63.1 (1)	33.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	13 30 33	LZ	14	94.6 (1)	AVG.	4.18
2			13 20 00.* 29.1 N 109.3 W SONORA, MEXICO H =033 KM					
2	LC	eP	13 21 05.5	Z	0.5	0.9 (0)	4.0	3.38
		e	13 21 17	Z	0.7	5.6 (0)		
		eL	13 23 00	LR	12	27.0 (2)		
		eL	13 23 19	R	1.0	17.6 (0)		
2	DH	eL	13 37 18	LT	17	67.4 (1)	31.0	
2	MN	e	13 23 06	Z	1.4	7.9 (0)		
2			13 27 37.4 50.5 N 129.4 W VANCOUVER ISLAND REGION H =033 KM MAG 4.60- CGS					
2	MV	eP	13 30 35.5	Z	0.8	2.8 (0)	13.0	4.31
		eL	13 32 59	R	1.2	13.0 (0)		
		eL	13 33 45	LZ	20	94.6 (1)		
2	MN	eP	13 31 01.1	Z	1.6	28.6 (0)	14.0	4.65
		e	13 31 10	Z	1.8	94.9 (0)		
2	LC	eP	13 33 01.3	Z	0.5	1.4 (0)	25.0	3.85
		e	13 34 30	LR	15	89.9 (1)		
		eL	13 35 20	R	0.8	11.1 (0)		
		eLR	13 40 25	LZ	28	28.5 (1)		
2	DH	eL	13 49 48	LZ	15	50.1 (2)	38.0	
		e	13 52 50	LZ	15	92.4 (2)		
							AVG.	4.27
2			13 30 03.8 50.4 N 129.1 W VANCOUVER ISLAND REGION H =033 KM MAG 4.40- CGS					
2	MN	eP	13 33 25.3	Z	1.1	14.3 (0)	14.0	4.51
		eL	13 35 17	LZ	23	52.6 (1)		
		eL	13 37 18	LR	23	45.4 (1)		
		eL	13 37 18	LT	24	13.8 (2)		
		eL	13 37 18	LZ	22	31.8 (1)		
2	MV	eL	13 36 55	LZ	20	12.3 (2)	12.0	
2	RK	e	13 39 25	LZ	29	90.1 (1)	22.0	
		eL	13 43 40	LZ	15	41.0 (2)		
2	MV	eP	13 35 33.1	Z	0.9	3.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	MN	e	13 36 07	Z	2.0	46.7 (0)		
2			13 40 58.* 25.7 N 109.7 W GULF OF CALIFORNIA H =033 KM MAG 4.10- CGS					
2	LC	eP	13 42 47.5	Z	1.0	5.0 (0)	7.0	4.33
		eL	13 44 50	R	0.9	8.1 (0)		
2	MN	eP	13 44 25.0	Z	1.2	3.8 (0)	15.0	3.70
							AVG.	4.01
2			14 10 44.7 25.7 N 109.5 W GULF OF CALIFORNIA H =033 KM MAG 4.80- CGS					
2	LC	eP	14 12 29.5	Z	0.3	0.9 (0)	7.0	4.11
		eP	14 12 30	LZ	999.9	99.9 (9)		
		e	14 12 34	Z	0.9	33.1 (0)		
		e	14 13 11	Z	1.0	53.1 (0)		
		eL	14 14 15	LZ	999.9	99.9 (9)		
		eL	14 14 35	R	0.8	44.6 (0)		
2	MN	eP	14 14 11.5	Z	1.2	16.6 (0)	15.0	4.34
		eP	14 14 12	LZ	16	55.3 (1)		
		eS	14 17 10	LT	999.9	99.9 (9)		
		eL	14 19 44	T	4.5	82.6 (1)		
2	MV	eP	14 14 40.8	Z	1.1	7.8 (0)	17.0	3.78
		eP	14 14 45	LZ	17	60.4 (1)		
		eS	14 17 55	LT	19	36.3 (2)		
		eS	14 17 55	LR	19	15.8 (1)		
		eL	14 18 52	LT	27	99.9 (9)		
		eL	14 21 10	T	0.9	7.6 (0)		
2	LV	eP	14 14 42.5	Z	1.1	66.8 (0)	17.0	4.71
		eL	14 20 20	R	2.4	25.1 (2)		
2	DH	eP	14 17 16.8	Z	1.1	24.0 (0)	33.0	5.00
		eLQ	14 26 50	LT	30	71.3 (2)		
		eL	14 28 10	T	3.5	73.2 (1)		
		eLR	14 28 45	LZ	15	10.9 (3)		
2	RK	e	14 21 45	LZ	22	15.3 (2)	28.0	
		eLQ	14 24 45	LT	25	75.7 (2)		
		eLR	14 26 18	LZ	27	39.6 (2)		
							AVG.	4.38
2	NP	eP	15 19 40.7	JZ	.7	14.8 (1)		
2	NP	e	15 20 06	R	1.6	33.0 (1)		
2	NP	eL	15 39 15	JZ	11	84.0 (2)		
2			16 42 53.0 06.0 S 154.8 E SOLOMON ISLANDS H =321 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2			17 40 14.9	39.6 N 110.2 W	EASTERN UTAH			
				H =033 KM MAG	4.10-	CGS		
2	MN	eP	17 42 05.1	Z	0.7	0.8 (0)	6.0	3.47
2	LC	eP	23 46 20.8	Z	0.8	5.3 (0)	14.0	4.22
							AVG.	3.84
2			19 03 23.3	20.7 S 175.1 W	TONGA ISLANDS			
				H =033 KM MAG	4.50-	CGS		
2	MN	eP	19 15 28.5	Z	0.8	3.9 (0)	79.0	4.42
2	LC	eP	19 15 52.6	Z	1.0	8.8 (0)	84.0	4.84
							AVG.	4.63
2			19 34 40.1	41.0 N 141.9 E	NEAR COAST HONSHU, JAPAN			
				H =033 KM MAG	4.40-	CGS		
2	DH	eP	21 30 22.0	Z	0.8	11.5 (0)		
2	LC	eP	21 33 11.6	Z	0.9	5.8 (0)		
2	MN	eP	21 33 38.7	Z	1.1	3.0 (0)		
2	MN	e	21 33 44	Z	1.1	11.2 (0)		
2	MV	eP	21 34 01.8	Z	0.9	2.4 (0)		
2	DH	eLR	21 37 00	LZ	24	36.5 (1)		
2			22 25 52.*	26.2 N 90.0 E	ASSAM, INDIA			
				H =220 KM				
2			22 37 22.0	37.9 S 179.5 E	OFF NORTH IS., NEW ZEALAND			
				H =033 KM				
2	MN	eP	22 52 54.3	Z	1.2	5.1 (0)		
2	LC	eP	22 53 17.9	Z	1.0	3.7 (0)		
2			23 45 00.1	45.4 N 150.8 E	KURILE ISLANDS			
				H =033 KM MAG	4.90-	CGS		
2	MV	eP	23 55 22.9	Z	1.2	4.8 (0)	62.0	4.54
2	MN	eP	23 55 36.0	Z	0.7	0.8 (0)	65.0	3.97
2	RK	eP	23 56 03.6	Z	0.8	10.4 (0)	69.0	4.98
2	LC	eP	23 56 46.9	Z	1.0	3.7 (0)	76.0	4.38
2	DH	eP	23 57 26.9	Z	0.8	17.3 (0)	84.0	5.23

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.62
3	MN	eP	01 09 01.5	Z	0.5	0.9 (0)	4.1	
		eS	01 09 52	R	0.5	3.5 (0)		
3			01 53 21.*	44.8 N 150.9 E	KURILE ISLANDS REGION			
				H =059 KM MAG	4.10-	CGS		
3	MN	eP	02 26 05.9	Z	0.2	1.9 (0)	0.6	
		eS	02 26 15	R	0.2	10.5 (0)		
3			03 49 42.*	60.3 S 152.0 E	BALLENY ISLANDS REGION			
				H =033 KM				
3	DH	eP'1	04 09 27.0	Z	0.7	0.4 (0)	146.0	
3	LC	eLQ	04 41 32	LR	28	16.1 (1)	123.0	
		eLR	04 47 03	LZ	26	11.3 (1)		
		eL	04 52 50	LZ	18	26.3 (1)		
		eL	04 52 50	LR	13	66.4 (0)		
		eL	04 52 50	LT	20	24.8 (1)		
3	MV	eLR	04 46 12	LZ	25	15.1 (1)	122.0	
3	MN	eLR	04 48 32	LZ	23	10.2 (1)	122.0	
3	LV	eLR	04 51 50	LZ	17	73.3 (0)	130.0	
3	RK	eLR	05 00 02	LZ	17	79.1 (0)	143.0	
3			04 57 56.7	45.0 N 151.0 E	KURILE ISLANDS			
				H =033 KM MAG	4.30-	CGS		
3			05 03 17.9	36.0 N 140.7 E	EAST COAST HONSHU, JAPAN			
				H =033 KM				
3			05 29 39.5	45.4 N 150.9 E	KURILE ISLANDS			
				H =033 KM MAG	4.50-	CGS		
3	NP	eP	05 38 04.2	JZ	.7	7.6 (0)	46.0	4.77
3	MV	eP	05 40 01.3	Z	0.8	0.9 (0)	62.0	4.00
3	MN	eP	05 40 15.5	Z	1.5	7.3 (0)	65.0	4.58
3	RK	eP	05 40 42.7	Z	0.9	15.3 (0)	69.0	5.10
3	LC	eP	05 41 23.0	Z	1.5	7.5 (0)	76.0	4.50
3	DH	eP	05 42 05.8	Z	0.7	1.4 (0)	84.0	4.21
							AVG.	4.52

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3		06 12 06.9	51.9 N 173.5 W ANDREANOF ALEUTIAN ISLANDS H =050 KM MAG 4.70- CGS					
3	MV	eP	06 19 22.8	Z	0.9	6.1 (0)	38.0	4.43
		eLR	06 30 00	LZ	27	29.3 (1)		
3	MN	eP	06 19 43.4	Z	1.0	7.4 (0)	40.0	4.37
		eLR	06 31 25	LZ	26	31.5 (1)		
3	LC	eP	06 21 10.2	Z	1.0	5.1 (0)	51.0	4.46
		e	06 21 24	Z	1.0	5.1 (0)		
		eSS	06 32 20	LR	23	15.7 (0)		
		eLR	06 37 02	LZ	28	18.3 (1)		
		eL	06 37 40	LZ	28	18.3 (1)		
		eL	06 37 40	LR	27	19.5 (1)		
		eL	06 37 40	LT	15	54.1 (0)		
3	RK	eLR	06 35 53	LZ	28	18.1 (1)	47.0	
3	LV	eLR	06 46 37	LZ	15	66.5 (0)	61.0	
							AVG.	4.42
3		09 13 33.1	62.8 N 25.2 W ICELAND REGION H =033 KM MAG 4.90- CGS					
3	RK	eP	09 20 44.5	Z	0.9	19.2 (0)	37.0	4.89
		eL	09 30 37	LZ	27	28.2 (1)		
3	MN	eP	09 23 23.0	Z	0.7	0.8 (0)	58.0	3.87
		eLR	09 41 55	LZ	26	17.5 (1)		
3	LC	eP	09 23 24.5	Z	0.9	3.9 (0)	58.0	4.44
		eS	09 31 40	LT	25	87.9 (0)		
		eL	09 41 44	LR	36	30.2 (1)		
3	MV	eP	09 23 28.2	Z	0.7	2.3 (0)	59.0	4.33
3	LV	eLR	09 36 20	LZ	33	29.4 (1)	51.0	
							AVG.	4.38
3	MN	eP	09 13 52.5	Z	0.7	1.2 (0)		
3	MN	eL	09 16 16	R	1.0	2.5 (0)		
3	LC	eP	09 21 38.0	Z	1.0	1.2 (0)		
3	MN	eP	10 27 43.7	Z	0.3	17.5 (0)		
3	MV	eP	10 28 16.5	Z	0.2	8.4 (0)	2.2	
		eS	10 28 45	R	0.4	14.4 (0)		
3	DH	eP	12 01 11.0	Z	1.3	1.8 (0)		
3		12 59 52.3	61.9 N 150.4 W KENAI PENINSULA, ALASKA H =116 KM MAG 4.00- CGS					
3	MN	eP	13 05 57.5	Z	0.5	1.2 (0)	31.0	3.89

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN	eP	13 17 55.7	Z	0.2	1.5 (0)	0.7	
		eS	13 18 06	R	0.2	14.1 (0)		
3	MN	eP	13 33 26.7	Z	0.2	1.9 (0)		
3	MN	eP	18 14 12.5	Z	0.8	1.4 (0)		
3	LC	eL	18 15 09	R	0.5	2.7 (0)		
3	LC	e	18 31 06	LT	18	11.4 (1)		
3	LC	eL	18 34 04	LZ	24	12.5 (1)		
3		18 37 42.6	06.9 N 73.1 W COLOMBIA H =143 KM MAG 4.40- CGS					
3	LC	eP	18 45 07.4	Z	0.5	9.2 (0)	40.0	4.73
		epP	18 45 40	Z	0.9	8.8 (0)		
		eSCP	18 50 44	Z	1.0	3.8 (0)		
3	MN	eP	18 46 34.5	Z	0.5	2.1 (0)	51.0	4.22
3	NP	eP	18 49 02.2	JZ	.9	49.0 (0)	74.0	5.29
							AVG.	4.74
3	MN	eP	18 41 37.6	Z	0.5	1.2 (0)	0.9	
		eS	18 41 49	R	0.4	5.8 (0)		
3		19 31 17.*	50.8 N 133.5 W QUEEN CHARLOTTE IS. REGION H =033 KM MAG 3.90- CGS					
3	MN	eP	19 35 03.0	Z	1.1	3.0 (0)	16.0	3.37
		e	19 37 13	Z	1.0	1.6 (0)		
3	HW	eP	22 54 42.4	Z	0.2	17.5 (1)		
3		23 28 25.*	16.8 S 177.2 W FIJI ISLANDS REGION H =033 KM MAG 4.60- CGS					
3	MN	eP	23 40 22.5	Z	1.0	3.3 (0)	78.0	4.32
3	LC	eP	23 40 48.5	Z	1.0	2.5 (0)	83.0	4.30
							AVG.	4.31
3	MN	eP	23 55 14.5	Z	0.4	2.0 (0)	1.5	
		eS	23 55 37	R	0.4	1.4 (0)		
4		03 00 51.*	29.3 N 127.5 E EAST CHINA SEA H =253 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	03 29 54.5		52.1 N 175.2 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 4.10- CGS					
4	HW	eP	04 25 16.5	Z	0.2	97.5 (0)	0.5	
		eS	04 25 26	T	0.2	17.8 (1)		
4	LC	eP	05 04 30.5	Z	1.0	1.4 (0)		
4	05 06 47.0		36.1 N 5.3 E NEAR COAST OF ALGERIA H =038 KM MAG 5.20- CGS					
4	DH	eP	05 16 53.3	Z	1.0	28.7 (0)	60.0	5.29
		eLR	05 34 50	LZ	26	48.5 (1)		
4	RK	eP	05 17 43.0	Z	0.7	23.9 (0)	68.0	5.38
		e	05 27 00	LZ	20	22.9 (1)		
		e	05 31 13	LZ	23	26.2 (1)		
		eLR	05 39 46	LZ	30	11.7 (2)		
4	LC	eP	05 19 29.0	Z	1.0	28.3 (0)	88.0	5.43
		e	05 19 40	Z	1.0	16.9 (0)		
		eL	05 51 25	LZ	25	75.0 (1)		
4	LV	eLR	05 45 00	LZ	27	12.0 (2)	77.0	
4	MV	eL	05 53 15	LR	23	61.2 (1)	90.0	
							AVG.	5.36
4	LC	e	05 15 30	LR	23	28.4 (1)		
4	MN	e	05 16 20	LR	20	14.2 (1)		
4	MV	eP	05 17 15.2	Z	0.3	14.9 (0)		
4	MV	e	05 17 40	T	0.5	72.9 (0)		
4	MN	eP	05 17 49.6	Z	0.5	3.1 (0)	5.2	
		eS	05 18 54	R	0.5	14.7 (0)		
4	LC	e	05 19 15	LR	23	15.7 (1)		
4	LC	e	05 21 25	LR	25	27.5 (1)		
4	MV	e	05 22 33	LR	25	35.5 (1)		
4	MN	e	05 22 38	LR	20	21.3 (1)		
4	LC	e	05 25 17	LR	22	19.7 (1)		
4	LC	e	05 28 27	LR	29	34.0 (1)		
4	LC	e	05 29 48	LR	30	12.0 (2)		
4	MN	eLQ	05 31 07	LR	35	87.9 (1)		
4	LC	eL	05 34 25	LZ	27	67.7 (1)		
4	MV	eLR	05 35 22	LZ	27	13.0 (2)		
4	MN	eLR	05 35 23	LZ	24	13.2 (2)		
4	MN	eL	05 37 12	LZ	16	19.5 (2)		
4	MN	eL	05 37 12	LR	21	89.7 (1)		
4	MN	eL	05 37 12	LT	21	10.8 (2)		
4	MN	eLR	07 22 08	LZ	17	16.1 (1)		
4	08 37 40.2		36.3 N 5.1 E NEAR COAST OF ALGERIA H =033 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	10 35 34.6		07.9 N 82.7 W NEAR SOUTH COAST OF PANAMA H =033 KM MAG 4.10- CGS					
4	MN	eP	10 43 44.0	Z	0.7	0.8 (0)	44.0	3.57
4	12 41 16.6		43.9 N 128.6 W OFF COAST OF OREGON H =033 KM MAG 4.00- CGS					
4	MN	eP	12 43 35.0	Z	0.7	0.4 (0)	10.0	3.84
4	13 32 12.3		71.4 N 73.3 W NEAR E. COAST BAFFIN IS. H =033 KM MAG 6.25-6.50 PAS					
4	NP	eP	13 35 20.0	JZ	.6	14.0 (0)	13.0	5.13
4	RK	eP	13 37 07.7	Z	0.7	78.9 (0)	23.0	5.28
		eP	13 37 08	LZ	999.9	99.9 (9)		
		e	13 41 10	LZ	999.9	99.9 (9)		
4	DH	eP	13 38 11.5	Z	1.2	28.0 (1)	29.0	5.90
		eP	13 38 12	LZ	16	32.5 (2)		
		ePP	13 38 56	Z	0.7	19.0 (1)		
		e	13 43 08	LZ	999.9	99.9 (9)		
		e	13 43 49	R	1.0	35.3 (1)		
		eL	13 45 22	LZ	999.9	99.9 (9)		
		eL	13 47 00	Z	999.9	99.9 (9)		
4	MN	eP	13 39 47.2	Z	1.2	66.4 (0)	40.0	5.20
		eP	13 39 48	LZ	17	11.5 (2)		
		ePP	13 41 15	LZ	17	39.2 (2)		
		e	13 41 24	T	1.8	52.4 (1)		
		eS	13 45 57	LT	999.9	99.9 (9)		
		eS	13 45 57	LT	17	99.9 (9)		
		eSS	13 48 50	LR	999.9	99.9 (9)		
		eL	13 51 45	LZ	999.9	99.9 (9)		
		eL	13 52 44	T	3.0	13.4 (2)		
4	MV	eP	13 39 47.9	Z	3.3	85.1 (1)	40.0	5.87
		eP	13 39 48	LZ	17	12.4 (2)		
		ePP	13 41 28	LZ	18	34.3 (2)		
		eS	13 45 58	LT	32	99.9 (9)		
		eL	13 51 00	LZ	56	99.9 (9)		
4	LV	eP	13 39 48	LZ	17	21.0 (2)	41.0	
		ePP	13 41 27	LZ	20	24.9 (2)		
		eSCP	13 45 48	LZ	33	82.0 (2)		
		eL	13 48 50	LZ	17	99.9 (9)		
		eLR	13 51 02	LZ	999.9	99.9 (9)		
		eL	13 52 46	T	1.3	22.6 (2)		
		eL	13 53 13	R	1.6	56.3 (2)		
4	LC	eP	13 40 10.7	Z	0.5	36.3 (0)	43.0	5.36

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
				LZ	17	12.5 (2)		
		eP	13 40 13	LT	999.9	99.9 (9)		
		e	13 41 40	LT	999.9	99.9 (9)		
		eS	13 46 35	LZ	28	99.9 (9)		
		e	13 47 22	Z	1.5	63.3 (1)		
		e	13 54 29	Z	6.5	99.9 (9)		
		eL	13 57 52				AVG.	5.45
4	DH	eP	14 34 24.0	Z	0.7	4.7 (0)		
4	DH	eL	14 36 10	R	0.8	10.7 (0)		
4	15 42 14.*		00.9 S 145.7 E ADMIRALTY ISLANDS REGION H =033 KM MAG 5.50- CGS					
4	LC	eP	18 13 26.8	Z	0.2	11.4 (0)	1.5	
		eS	18 13 46	R	0.2	17.6 (0)		
4	18 36 28.1		24.1 N 96.0 E NORTHERN BURMA H =148 KM MAG 5.00- CGS					
4	21 20 18.5		71.5 N 72.8 W BAFFIN ISLAND H =033 KM MAG 4.10- CGS					
4	RK	eP	21 29 15.8	Z	0.4	8.2 (0)		
4	RK	eS	21 31 48	R	0.4	34.8 (0)		
4	DH	eL	21 35 14	R	0.9	11.8 (1)		
4	LC	eL	21 42 19	R	1.2	4.7 (0)		
4	21 41 00.6		71.6 N 73.5 W NEAR E. COAST BAFFIN IS. H =033 KM MAG 4.40- CGS					
4	NP	eP	21 44 07.8	JZ	.5	20.9 (0)	13.0	5.39
4	DH	eP	21 52 30.0	Z	0.7	4.7 (0)		
4	DH	eL	21 55 50	R	1.0	90.7 (0)		
4	DH	eLQ	21 55 55	LR	13	12.7 (2)		
4	DH	eLR	21 57 40	LZ	10	18.7 (2)		
4	LC	eL	22 03 06	R	1.2	7.1 (0)		
4	LC	eP	22 08 17.0	Z	0.2	2.6 (0)	2.9	
		eS	22 08 54	R	0.2	16.2 (0)		
4	DH	eL	22 30 05	R	1.3	52.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	00 55 59.1		17.8 S 178.5 W FIJI ISLANDS H =558 KM MAG 4.60- CGS					
5	MV	eP	01 07 00.6	Z	0.9	12.4 (0)	78.0	4.33
5	MN	eP	01 07 09.3	Z	0.8	11.3 (0)	80.0	4.35
							AVG.	4.34
5	LC	eP	01 05 37.3	Z	0.8	7.6 (0)		
5	HW	eP	07 58 49.5	Z	0.2	14.0 (1)	0.6	
		eS	07 58 58	T	0.2			
5	MN	eP	09 02 04.5	Z	0.5	0.6 (0)		
5	RK	eP	10 03 14.7	Z	1.0	7.4 (0)		
5	MN	eP	10 36 35.7	Z	0.2	0.3 (0)	0.6	
		eS	10 36 44	R	0.3	2.9 (0)		
5	10 42 42.5		18.0 S 168.1 E NEW HEBRIDES ISLANDS H =033 KM MAG 4.40- CGS					
5	MV	eP	10 55 25.6	Z	0.8	3.8 (0)	87.0	4.61
		eL	11 23 23	LZ	22	10.7 (1)		
5	MN	eP	10 55 34.4	Z	1.0	3.3 (0)	89.0	4.48
							AVG.	4.54
5	RK	eP	10 51 53.5	Z	0.9			
5	11 36 31.6		50.3 N 129.1 W VANCOUVER ISLAND REGION H =033 KM MAG 4.20- CGS					
5	MV	eP	11 39 27.7	Z	0.8	3.8 (0)	12.0	4.55
		e	11 41 50	LT	17	63.2 (1)		
		eL	11 43 00	LZ	16	48.9 (1)		
5	MN	eP	11 39 51.8	Z	1.9	46.1 (0)	14.0	4.78
		e	11 42 45	LZ	15	39.8 (1)		
		eL	11 44 20	LZ	17	60.8 (1)		
5	RK	eP	11 41 28.5	Z	1.2	37.7 (0)	22.0	4.66
		eP	11 41 30	LZ	14	18.0 (1)		
		eL	11 46 20	LZ	27	52.4 (1)		
5	LC	eP	11 41 48.8	Z	1.0	2.5 (0)	24.0	3.67
		e	11 46 25	LT	16	28.6 (1)		
		eL	11 47 55	LT	29	60.3 (1)		
5	LV	e	11 49 00	LZ	21	14.3 (1)	33.0	
		eL	11 55 17	LZ	30	25.6 (1)		
5	DH	eL	11 56 00	LZ	35	48.2 (1)	38.0	
		eL	11 59 38	LR	17	21.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	11 59 38	LT	16	12.9 (2)		
		eL	11 59 38	LZ	17	45.4 (2)		
							AVG.	4.41
5	MN	eP	13 47 57.2	Z	0.2	11.8 (0)	1.0	
		eS	13 48 10	T	0.3	18.4 (0)		
5	DH	eP	14 39 34.5	Z	0.2	4.5 (0)	1.9	
		eS	14 40 00	R	0.2	30.3 (0)		
5	DH	eP	15 41 15.0	Z	0.2	27.0 (0)	1.8	
		eS	15 41 39	R	0.2	45.5 (0)		
5	MN	eP	16 59 52.4	Z	0.2	1.1 (0)	1.2	
		eS	17 00 07	R	0.3	1.7 (0)		
5	RK	eP	17 10 47.9	Z	0.2	3.5 (0)	4.1	
5	17 11 08.*		36.0 N 5.7 E NEAR COAST OF ALGERIA H =033 KM MAG 4.00- CGS					
5	RK	eS	17 11 38	R	0.4	11.5 (0)	4.1	
5	MN	eP	17 55 21.0	Z	0.2	0.3 (0)	0.3	
		eS	17 55 25	T	0.3	4.2 (0)		
5	DH	eP	18 02 55.1	Z	0.3	6.7 (0)	1.6	
		eS	18 03 17	R	0.4	13.7 (0)		
5	LC	eP	18 12 22.5	Z	0.2	13.5 (0)	1.6	
		eS	18 12 42	T	0.3	14.1 (0)		
5	MN	eP	18 47 45.3	Z	0.2	0.7 (0)	0.4	
		eS	18 47 51	R	0.3	10.6 (0)		
5	LC	eP	20 08 24.6	Z	0.2	3.0 (0)	2.7	
		eS	20 08 58	T	0.3	3.8 (0)		
5	MN	eP	20 41 33.1	Z	0.3	2.0 (0)	1.5	
		eS	20 41 53	R	0.4	3.1 (0)		
5	DH	eP	20 44 58.5	Z	0.2	4.5 (0)	4.6	
		eS	20 45 55	R	0.3	11.3 (0)		
5	MV	eP	22 33 18.6	Z	0.3	8.0 (0)	0.1	
		eS	22 33 20	R	0.4	20.3 (0)		
5	RK	eL	22 37 07	R	0.8	18.3 (0)		
5	MV	eP	22 55 07.1	Z	0.3	4.6 (0)	1.8	
		eS	22 55 32	R	0.4	2.8 (0)		
5	23 43 05.0		18.6 N 106.8 W OFF COAST JALISCO, MEXICO H =033 KM MAG 4.30- CGS					
5	MN	eP	23 47 58.7	Z	1.0	20.7 (0)	22.0	4.48
5	MV	eP	23 48 18.4	Z	0.8	2.8 (0)	24.0	3.82
		eL	23 52 50	LZ	16	21.4 (1)		
5	LC	eL	23 49 10	LT	24	78.7 (1)	14.0	
							AVG.	4.15

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	HW	eP	00 58 05.8	Z	0.2	97.5 (0)	5.3	
		eS	00 59 03	R	0.2			
6	01 40 45.0		19.3 S 176.9 W TONGA ISLANDS H =066 KM MAG 4.20- CGS					
6	MV	eP	01 52 35.4	Z	0.8	1.8 (0)	78.0	4.15
		eL	02 16 34	LZ	24	15.5 (1)		
6	MN	eP	01 52 45.6	Z	1.3	9.5 (0)	80.0	4.50
6	LC	eP	01 53 12.3	Z	1.0	5.1 (0)	85.0	4.51
		e	01 54 14	Z	0.9	3.9 (0)		
		eLR	02 21 28	LZ	25	12.2 (1)		
							AVG.	4.38
6	01 46 13.3		71.5 N 73.0 W NEAR E. COAST BAFFIN IS. H =033 KM MAG 4.40- CGS					
6	NP	eP	01 49 23.6	JZ	.5	18.8 (0)	13.0	5.34
6	RK	eP	01 51 11.6	Z	0.7	19.5 (0)	23.0	4.67
		e	01 51 15	Z	0.6	52.3 (0)		
		e	01 55 12	Z	0.7	14.6 (0)		
		eL	01 57 45	T	0.8	73.2 (0)		
6	DH	eP	01 52 13.5	Z	1.0	18.9 (0)	29.0	4.81
		eL	02 01 05	R	1.0	18.9 (1)		
6	LV	eL	02 07 22	R	1.1	14.1 (1)	41.0	
6	LC	eL	02 08 31	R	1.2	7.3 (0)	43.0	
		eL	02 11 35	LZ	16	21.1 (1)		
							AVG.	4.94
6	DH	eP	01 57 55.0	Z	0.5	7.1 (0)		
6	LC	eP	02 06 26.0	Z	0.5	0.4 (0)		
6	MN	eP	02 08 14.0	Z	0.7	2.0 (0)		
6	LC	e	02 50 00	LR	22	20.4 (1)		
6	LC	e	02 56 00	LR	24	22.1 (1)		
6	MN	e	02 57 00	LR	24	20.5 (1)		
6	MV	e	02 57 10	LR	23	11.3 (1)		
6	LC	e	02 59 40	LR	23	11.7 (1)		
6	LC	e	03 02 52	LR	29	27.2 (1)		
6	LC	e	03 04 18	LR	28	79.5 (1)		
6	MN	eLQ	03 05 27	LR	34	59.3 (1)		
6	MV	e	03 05 50	LR	30	32.9 (1)		
6	LC	eLR	03 09 00	LZ	22	35.7 (1)		
6	LC	eL	03 09 35	LT	22	40.9 (1)		
6	LC	eL	03 09 35	LR	21	16.6 (1)		
6	LC	eL	03 09 35	LZ	23	35.3 (1)		
6	MN	eLR	03 10 00	LZ	26	78.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MDG
6	MV	eLR	03 10 03	LZ	23	78.2 (1)		
6	MN	eL	03 12 03	LT	20	61.8 (1)		
6	MN	eL	03 12 03	LR	20	53.3 (1)		
6	MN	eL	03 12 03	LZ	20	73.3 (1)		
6	DH	e	03 13 50	LR	28	23.0 (1)		
6	DH	eLR	03 19 22	LZ	25	22.2 (1)		
6	05 29 54.1		10.9 S 164.8 E SOLOMON ISLANDS REGION H =033 KM MAG 4.20- CGS					
6	05 29 54.2		10.9 S 164.8 E SANTA CRUZ ISLANDS H =033 KM MAG 4.20- CGS					
6	06 03 52.1		36.4 N 130.6 E SEA OF JAPAN H =033 KM MAG 5.40- CGS					
6	NP	eP	06 13 53.0	JZ	1	79.4 (0)	60.0	5.73
6	MV	eP	06 15 59.6	Z	1.2	34.0 (0)	80.0	5.12
		eP	06 16 00	LZ	14	23.0 (1)		
		eS	06 26 00	LT	21	33.1 (1)		
		eSS	06 30 55	LT	28	41.9 (1)		
		eLQ	06 37 12	LT	26	88.8 (1)		
		eLR	06 39 07	LZ	20	55.3 (1)		
6	MN	eP	06 16 11.0	Z	1.3	33.5 (0)	82.0	5.21
		e	06 18 03	Z	1.0	13.3 (0)		
		e	06 19 52	Z	1.6	11.4 (0)		
		eS	06 26 27	LT	19	47.2 (1)		
		eS	06 26 27	LR	23	20.6 (1)		
		eSS	06 31 44	LT	23	48.3 (1)		
		e	06 35 00	LR	24	48.0 (1)		
		eLQ	06 38 26	LT	34	24.3 (2)		
		eLR	06 42 41	LZ	28	95.6 (1)		
		eL	06 51 00	LR	24	97.7 (1)		
		eL	06 51 00	LT	25	72.4 (1)		
		eL	06 51 00	LZ	22	75.4 (1)		
6	RK	eP	06 16 22.6	Z	1.3	65.9 (0)	85.0	5.60
		eLR	06 45 45	LZ	26	15.9 (2)		
6	LC	eP	06 17 05.8	Z	1.0	8.9 (0)	93.0	5.12
		e	06 21 15	Z	1.1	4.7 (0)		
		eS	06 28 20	LT	24	28.3 (1)		
		eSS	06 34 45	LT	23	36.7 (1)		
		e	06 38 22	LR	24	56.6 (1)		
		eL	06 44 25	LT	32	99.9 (9)		
6	DH	eSS	06 35 40	LT	24	46.5 (1)	98.0	
		e	06 44 20	LR	29	55.5 (1)		
		e	06 48 00	LR	29	10.1 (2)		
		eLR	06 52 45	LZ	33	12.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	LV	eL	06 54 55	LZ	32	90.7 (1)	101.0	
							AVG.	5.35
6	08 10 26.5		06.1 N 126.2 E NEAR S. E. MINDANAO, P. I. H =047 KM MAG 4.60- CGS					
6	NP	eP	09 17 02.0	JZ	.8	25.0 (0)		
6	10 16 38.9		24.0 S 179.9 E KERMADEC ISLANDS REGION H =500 KM MAG 5.20- CGS					
6	HW	eP	10 24 46.2	Z	0.9	12.6 (1)	50.0	5.34
6	MV	eP	10 28 14.7	Z	1.0	61.7 (0)	83.0	5.09
		e	10 30 12	Z	1.3	9.1 (0)		
6	MN	eP	10 28 22.1	Z	1.0	24.9 (0)	85.0	4.79
		e	10 30 20	Z	1.6	20.0 (0)		
		ePP	10 31 45	Z	1.1	4.1 (0)		
6	LC	eP	10 28 45.3	Z	1.0	46.2 (0)	90.0	5.36
		e	10 30 42	Z	1.4	18.3 (0)		
							AVG.	5.14
6	11 58 38.9		55.4 S 128.4 W SOUTH PACIFIC OCEAN H =033 KM MAG 4.40- CGS					
6	LC	eP	12 11 34.5	Z	0.8	1.5 (0)	89.0	4.24
		e	12 22 30	LR	20	12.1 (1)		
		e	12 35 22	LR	27	11.4 (1)		
		e	12 37 10	LR	31	29.1 (1)		
		eLQ	12 41 38	LT	29	17.1 (1)		
6	MV	eLR	12 42 35	LZ	25	30.9 (1)	94.0	
6	MN	eLR	12 43 00	LZ	22	30.5 (1)	94.0	
6	DH	eLR	12 51 48	LZ	25	17.7 (1)	107.0	
6	DH	eP	12 25 56.2	Z	0.2	4.5 (0)	1.7	
		eS	12 26 19	R	0.3	11.3 (0)		
6	HW	eP	13 30 15.3	Z	0.2	11.7 (1)	0.6	
		eS	13 30 23	T	999.9			
6	13 57 42.5		02.2 N 83.2 W SOUTH OF PANAMA H =033 KM MAG 4.80- CGS					
6	LC	eP	14 04 53.2	Z	1.3	9.8 (0)	37.0	4.44

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	14 06 30	LZ	15	14.0 (1)		
		ePCS	14 10 52	LR	20	16.1 (1)		
		e	14 13 30	LT	26	20.9 (1)		
		e	14 16 30	LR	33	18.8 (1)		
		eLR	14 18 30	LZ	22	27.9 (1)		
		eL	14 19 15	LR	20	29.0 (1)		
		eL	14 19 15	LT	20	20.2 (1)		
		eL	14 19 15	LZ	20	28.5 (1)		
6	MN	eP	14 06 21.0	Z	1.3	9.5 (0)	48.0	4.67
		eS	14 13 30	LR	24	17.1 (1)		
		eLQ	14 17 30	LR	16	19.7 (1)		
		eLR	14 22 00	LZ	28	28.7 (1)		
6	LV	eL	14 13 15	LZ	28	18.7 (1)	31.0	
6	MV	eS	14 14 07	LR	23	11.3 (1)	51.0	
6	DH	e	14 14 40	LR	18	48.1 (1)	41.0	
		eLR	14 18 02	LZ	22	24.9 (1)		
6	MV	eLR	14 23 10	LZ	27	18.4 (1)	51.0	
							AVG.	4.55
6	MN	eP	16 24 05.3	Z	0.9	1.2 (0)		
6	LC	eP	16 38 28.0	Z	0.7	2.5 (0)		
6	MN	eP	16 39 52.0	Z	0.8	2.4 (0)		
6	LC	eLR	16 49 10	LZ	22	95.2 (0)		
6	DH	eP	17 17 00.3	Z	0.3	40.5 (0)	1.8	
		eS	17 17 25	R	0.3	87.5 (0)		

6 17 44 56.* 15.2 S 167.9 E NEW HEBRIDES ISLANDS
H =231 KM

6	MN	eP	17 57 19.0	Z	0.3	1.4 (0)	1.3	
		eS	17 57 37	R	0.4	5.1 (0)		
6	MN	eP	19 25 43.7	Z	0.3	0.5 (0)		
6	MN	eL	19 27 12	R	0.4	1.9 (0)		

6 20 03 23.3 11.8 N 138.5 E MARIANA ISLANDS REGION
H =033 KM MAG 4.80- CGS

6	MN	eP	20 16 34.8	Z	0.9	2.5 (0)	93.0	4.62

6 20 31 46.1 50.1 N 129.5 W VANCOUVER ISLAND REGION
H =031 KM MAG 4.40- CGS

6	MV	eP	20 34 42.7	Z	1.0	17.4 (0)	12.0	5.12
		eP	20 34 50	LZ	13	51.0 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	20 37 05	LT	17	70.6 (1)		
		eLR	20 38 02	LZ	19	25.9 (2)		
		e	20 40 42	Z	1.2	7.3 (0)		
6	MN	eP	20 35 08.2	Z	1.2	24.3 (0)	14.0	4.72
		eP	20 35 09	LZ	18	32.9 (1)		
		eLQ	20 37 55	LT	18	59.2 (1)		
		eLR	20 39 10	LZ	22	14.3 (2)		
		eL	20 41 04	Z	1.3	6.3 (0)		
6	RK	eP	20 36 44.9	Z	0.7	7.3 (0)	23.0	4.25
		eLQ	20 42 52	LR	24	27.7 (2)		
		eLR	20 45 20	LZ	17	43.2 (2)		
6	LC	eP	20 37 04.8	Z	1.2	17.7 (0)	25.0	4.57
		eP	20 37 05	LZ	15	19.1 (1)		
		eS	20 41 40	LR	22	43.6 (1)		
		eL	20 44 25	LZ	27	86.9 (1)		
6	DH	eS	20 44 50	LR	18	29.6 (1)	38.0	
		eLQ	20 50 58	LR	24	11.4 (2)		
		eLR	20 53 33	LZ	17	99.9 (9)		
6	LV	eL	20 48 42	LZ	35	40.6 (1)	33.0	
							AVG.	4.66

6 20 56 59.9 53.9 N 165.6 W FOX ALEUTIAN ISLANDS
H =033 KM MAG 5.00- CGS

6	MV	eP	21 03 34.8	Z	1.0	15.8 (0)	33.0	4.87
		e	21 03 41	Z	1.0	28.4 (0)		
		ePCP	21 06 23	Z	0.8	6.5 (0)		
6	MN	eP	21 03 55.6	Z	1.0	29.1 (0)	36.0	5.09
6	RK	eP	21 04 56.6	Z	0.9	30.1 (0)	42.0	5.05
6	LC	eP	21 05 25.6	Z	1.0	17.9 (0)	46.0	4.98
		e	21 05 32	Z	1.0	77.1 (0)		
		eLQ	21 16 08	LT	24	23.3 (1)		
		eLR	21 19 35	LZ	30	31.5 (1)		
		eL	21 26 22	LR	17	34.4 (1)		
		eL	21 26 22	LT	17	14.2 (1)		
		eL	21 26 22	LZ	16	18.6 (1)		
6	DH	eP	21 06 54.2	Z	0.9	21.8 (0)	58.0	5.18
		eLR	21 29 07	LZ	27	32.4 (1)		
							AVG.	5.03
6	MN	eP	21 20 22.7	Z	0.3	2.9 (0)	0.1	
		eS	21 20 26	R	0.3	9.4 (0)		
6	LC	eP	21 59 57.0	Z	0.2	12.8 (0)	1.6	
		eS	22 00 17	T	0.3	7.9 (0)		

6 22 19 35.2 44.3 N 114.7 W CENTRAL IDAHO
H =033 KM MAG 4.10- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	MN	eP	22 21 25.7	Z	0.3	0.8 (0)	6.0	3.87
		eL	22 22 49	R	0.4	1.4 (0)		
7	01 16 55.1		36.4 N 130.6 E OFF EAST COAST SOUTH KOREA H =033 KM MAG 5.30- CGS					
7	MV	eP	01 29 02.0	Z	1.2	9.8 (0)	80.0	4.58
		eS	01 39 06	LR	20	40.5 (1)		
		eS	01 39 06	LT	20	40.2 (1)		
		eLQ	01 50 15	LT	30	75.7 (1)		
		eLR	01 53 13	LZ	25	49.3 (1)		
7	MN	eP	01 29 12.5	Z	1.0	5.8 (0)	82.0	4.56
		e	01 39 33	LT	18	50.2 (1)		
		eLR	01 55 47	LZ	27	88.7 (1)		
7	RK	eP	01 29 27.5	Z	1.2	22.4 (0)	85.0	5.17
		e	01 45 00	LZ	33	13.0 (2)		
		eL	01 55 00	LZ	39	99.9 (9)		
7	LC	eP	01 30 10.0	Z	1.0	2.5 (0)	93.0	4.57
		e	01 30 35	Z	1.2	9.8 (0)		
		eSKS	01 40 48	LR	20	17.8 (1)		
		ePS	01 42 40	LR	24	38.6 (1)		
		e	01 51 40	LR	25	89.1 (1)		
		eLQ	01 56 50	LT	24	10.6 (2)		
		eLR	02 00 45	LZ	39	13.8 (2)		
7	DH	eSS	01 48 57	LR	33	81.6 (1)	98.0	
		eLQ	01 57 43	LR	40	19.2 (2)		
		eL	02 00 45	LR	32	24.6 (2)		
7	LV	eLR	02 07 25	LZ	37	14.7 (2)	101.0	
							AVG.	4.72
7	02 29 38.3		21.5 S 174.6 W TONGA ISLANDS H =033 KM MAG 5.10- CGS					
7	MV	eP	02 41 37.6	Z	1.2	12.2 (0)	78.0	4.81
7	MN	eP	02 41 45.8	Z	1.1	18.4 (0)	80.0	4.89
7	LC	eP	02 42 08.4	Z	1.0	15.4 (0)	84.0	5.08
							AVG.	4.92
7	RK	eP	03 12 32.2	Z	0.2	3.4 (0)		
7	RK	eL	03 15 19	T	1.0	55.5 (0)		
7	04 09 29.8		05.9 S 129.8 E BANDA SEA H =169 KM MAG 5.20- CGS					
7	LC	eP	05 54 05.0	Z	1.0	3.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	07 13 39.9		45.4 N 150.8 E KURILE ISLANDS H =033 KM MAG 5.20- CGS					
7	MV	eP	07 24 00.0	Z	1.0	4.7 (0)	62.0	4.61
7	MN	eP	07 24 15.7	Z	0.8	1.9 (0)	65.0	4.29
		eS	07 32 57	LT	22	25.3 (1)		
		eLQ	07 40 25	LT	32	90.8 (1)		
		eLR	07 44 07	LZ	18	39.9 (1)		
7	RK	eP	07 24 43.5	Z	0.9	39.2 (0)	69.0	5.50
		eLR	07 50 27	LZ	24	40.2 (1)		
7	LC	eP	07 25 24.0	Z	1.0	3.8 (0)	76.0	4.38
		eS	07 35 08	LT	22	23.9 (1)		
		eL	07 45 55	LT	35	99.9 (9)		
7	DH	eP	07 26 06.5	Z	0.8	37.7 (0)	84.0	5.57
		eLR	07 55 00	LZ	28	25.5 (1)		
7	LV	eP	07 26 10.0	Z	1.0	36.1 (0)	84.0	5.45
							AVG.	4.96
7	08 26 36.*		18.9 S 174.9 W TONGA ISLANDS REGION H =131 KM MAG 4.40- CGS					
7	LC	eP	08 38 48.6	Z	0.7	7.6 (0)	83.0	4.67
7	08 43 26.*		08.8 S 117.5 E SUMBAWA H =081 KM					
7	MN	eP	08 48 21.1	Z	0.8	1.9 (0)	78.0	4.04
		e	08 49 07	Z	1.2	2.5 (0)		
7	08 50 57.5		11.7 S 13.6 W ASCENSION ISLAND REGION H =033 KM MAG 5.30- CGS					
7	DH	eP	09 02 55	LZ	15	57.8 (1)	78.0	
		eS	09 12 52	LR	33	16.7 (2)		
		eLQ	09 23 00	LR	27	69.6 (1)		
		eLR	09 25 27	LZ	28	48.8 (2)		
7	LC	eP	09 04 41.0	Z	1.0	2.5 (0)	99.0	4.87
		e	09 05 54	Z	0.8	3.8 (0)		
		eSKS	09 15 17	LR	17	26.9 (1)		
		ePS	09 17 40	LR	20	67.1 (1)		
		eLQ	09 32 35	LT	51	13.4 (2)		
		eLR	09 37 20	LR	33	17.9 (2)		
7	LV	e	09 14 12	LZ	20	36.9 (1)	86.0	
		eLR	09 31 02	LZ	30	36.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
				LZ	16	50.4 (1)	93.0	
7	RK	eSP	09 16 27	LR	36	13.1 (2)		
		eLQ	09 30 00	LZ	36	26.4 (2)		
		eLR	09 34 14	LT	23	14.1 (2)		
		eL	09 37 55	LR	21	21.3 (2)		
		eL	09 37 55	LZ	23	34.1 (2)		
		eL	09 37 55	LR	19	40.8 (1)	109.0	
7	MN	ePS	09 19 15	LR	27	31.9 (1)		
		ePPS	09 20 26	LT	28	72.0 (1)		
		eSS	09 25 37	LT	38	66.5 (1)		
		eLQ	09 38 25	LZ	30	15.9 (2)		
		eLR	09 42 43	LR	25	18.4 (2)		
		eL	09 46 35	LT	22	62.0 (1)		
		eL	09 46 35	LZ	26	20.9 (2)		
		eL	09 46 35	LR	27	85.1 (1)	111.0	
7	MV	eSS	09 25 56	LR	33	62.1 (1)		
		eLQ	09 39 17	LZ	31	75.6 (1)		
		eLR	09 43 52	LR	21	96.2 (1)		
		eL	09 50 00	LT	21	11.0 (2)		
		eL	09 50 00	LZ	22	15.5 (2)		
		eL	09 50 00					

7 12 44 01.1 54.0 N 160.3 E KAMCHATKA
H =110 KM MAG 5.40- CGS

				JZ	1	76.9 (0)	36.0	5.55
7	NP	eP	12 50 55.1	Z	0.7	6.3 (0)	53.0	4.71
7	MV	eP	12 53 08.5	LR	25	29.1 (1)		
		eS	13 00 43	LZ	23	10.1 (2)		
		eLR	13 10 40	LR	23	66.8 (1)		
		eL	13 12 00	LT	23	41.1 (1)		
		eL	13 12 00	LZ	21	10.4 (2)		
		eL	13 12 00	Z	0.6	12.5 (0)	55.0	5.07
7	MN	eP	12 53 26.4	LR	22	26.1 (1)		
		eS	13 01 12	LT	34	88.0 (1)		
		eLQ	13 07 25	LZ	23	11.5 (2)		
		eLR	13 12 15	LT	24	69.4 (1)		
		eL	13 13 00	LR	24	85.7 (1)		
		eL	13 13 00	LZ	23	11.5 (2)		
		eL	13 13 00	Z	1.0	12.3 (1)	59.0	5.86
7	RK	eP	12 53 48.5	LR	18	40.5 (1)		
		eS	13 01 50	LR	32	70.4 (1)		
		eL	13 12 58	Z	1.2	47.4 (0)	66.0	5.27
7	LC	eP	12 54 40.0	LZ	23	16.4 (1)		
		eP	12 54 42	LR	21	36.0 (1)		
		eS	13 03 30	LZ	32	10.9 (2)		
		eLR	13 16 00	Z	0.6	30.5 (0)	73.0	5.29
7	DH	eP	12 55 20.7	LZ	20	31.4 (1)		
		eLR	13 13 50	LZ	38	49.2 (1)	74.0	
7	LV	eLR	13 20 00				AVG.	5.29

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	RK	eP	12 59 27.5	Z	0.2	3.4 (0)	2.0	
		eS	12 59 54	R	0.2	22.0 (0)		
7	LC	eP	13 10 10.0	Z	0.8	1.5 (0)	4.8	
		eS	13 11 09	R	0.6	2.5 (0)		
7	MN	eP	13 23 33.3	Z	1.1	2.0 (0)		

7 13 44 51.9 07.1 S 148.1 E NEAR E. COAST NEW GUINEA
H =064 KM MAG 4.80- CGS

7	MN	eP	13 58 20.7	Z	0.5	0.3 (0)	97.0	4.13
7	MN	eLR	14 00 00	LZ	30	21.7 (1)		
7	MN	eP	15 14 10.6	Z	0.2	8.3 (0)	0.3	
		eS	15 14 16	R	0.2	19.7 (0)		

7 15 16 55.4 22.0 S 179.6 W FIJI ISLANDS
H =558 KM MAG 4.70- CGS

7	MV	eP	15 28 17.0	Z	0.8	8.5 (0)	82.0	4.32
7	MN	eP	15 28 24.5	Z	1.0	9.9 (0)	83.0	4.29
		epP	15 30 35	Z	0.7	0.4 (0)		
7	LC	eP	15 28 49.0	Z	1.0	12.8 (0)	88.0	4.66
7	DH	eLR	16 08 05	LZ	25	26.8 (1)	115.0	
7	LV	eLR	16 13 07	LZ	30	32.4 (1)	100.0	
							AVG.	4.42
7	NP	eP	16 12 06.2	JZ	.6	31.4 (0)		
7	LC	eP	18 15 45.8	Z	1.0	3.8 (0)	1.8	
7	MN	eP	18 16 46.7	Z	1.0	4.1 (0)		
7	LC	eS	18 17 10	R	1.0	6.0 (0)	1.8	

7 18 50 11.* 22.7 S 65.1 W JUJUY PROVINCE, ARGENTINA
H =160 KM MAG 4.00- CGS

7 19 26 29.3 03.0 S 130.4 E CERAM SEA
H =033 KM MAG 4.60- CGS

7	LC	eLR	20 22 45	LZ	25	18.6 (1)	119.0	
		eL	20 24 35	LR	25	23.3 (1)		
		eL	20 24 35	LT	23	10.5 (1)		
		eL	20 24 35	LZ	25	26.5 (1)		
7	LV	eLR	20 29 25	LZ	28	42.7 (1)	131.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7			20 01 26.* 26.7 S 178.0 W TONGA ISLANDS REGION H =263 KM MAG 4.10- CGS					
7			22 00 58.9 27.8 N 141.5 E BONIN ISLANDS REGION H =050 KM MAG 4.90- CGS					
7	MN	eP	22 13 07.7	Z	0.6	1.7 (0)	81.0	4.15
8	RK	e	00 13 50	LT	16	36.0 (1)		
8	RK	e	00 21 20	LT	23	33.4 (1)		
8	RK	e	00 25 10	LT	25	30.3 (1)		
8	RK	e	00 28 10	LT	23	30.6 (1)		
8	RK	e	00 31 50	LT	25	60.7 (1)		
8	RK	eLR	00 37 40	LZ	28	62.4 (1)		
8			00 47 27.7 28.1 S 176.8 W KERMADEC ISLANDS REGION H =057 KM MAG 5.30- CGS					
8	MV	eP	01 00 02.0	Z	1.0	22.8 (0)	85.0	5.18
		eP	01 00 03	LZ	16	37.2 (1)		
		eSS	01 10 30	LT	18	10.7 (2)		
		e	01 12 15	LT	25	75.9 (1)		
		e	01 15 45	LT	30	86.8 (1)		
		eLQ	01 22 00	LR	26	53.2 (1)		
		eLR	01 25 55	LZ	24	75.1 (1)		
		eL	01 28 45	LT	22	12.9 (2)		
		eL	01 28 45	LR	24	27.4 (1)		
		eL	01 28 45	LZ	22	14.7 (2)		
8	MN	eP	01 00 03.5	Z	0.8	3.4 (0)	86.0	4.41
		eP	01 00 07	LZ	17	21.6 (1)		
		e	01 00 08	Z	1.1	24.6 (0)		
		e	01 10 40	LT	19	98.6 (1)		
		ePS	01 11 44	LT	23	82.1 (1)		
		eSS	01 16 35	LT	20	53.6 (1)		
		e	01 18 38	Z	1.0	1.6 (0)		
		eSSS	01 19 50	LT	23	38.3 (1)		
		eLQ	01 22 35	LR	25	69.0 (1)		
		eLR	01 26 38	LZ	27	71.2 (1)		
8	LC	eP	01 00 22.4	Z	1.0	7.7 (0)	90.0	4.83
		eP	01 00 23	LZ	17	69.9 (0)		
		ePP	01 04 06	LZ	19	93.4 (0)		
		eSKS	01 10 45	LT	18	41.3 (1)		
		eS	01 12 23	LT	22	71.8 (1)		
		eS	01 12 23	LR	21	43.5 (1)		
		eSS	01 17 30	LT	23	46.7 (1)		
		eSSS	01 21 00	LT	25	28.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	01 23 38	LR	23	46.6 (1)		
		eLR	01 29 10	LZ	26	58.9 (1)		
8	LV	eP	01 01 40	LZ	17	12.5 (1)	100.0	
		ePP	01 05 30	LZ	20	12.4 (1)		
		eSP	01 35 50	LZ	25	73.4 (1)		
8	DH	e	01 12 00	LZ	21	32.2 (1)	117.0	
		eSS	01 23 32	LR	23	29.8 (1)		
		eLR	01 44 10	LZ	28	61.1 (1)		
							AVG.	4.80
8	MN	eP	04 36 15.0	Z	0.2	1.9 (0)	1.2	
		eS	04 36 30	R	0.3	2.0 (0)		
8			04 41 20.0 18.1 S 178.4 W FIJI ISLANDS H =550 KM					
8	LC	eP	04 56 00.8	Z	0.8	0.7 (0)		
8	MN	eP	05 21 19.0	Z	0.2	2.3 (0)	0.1	
		eS	05 21 23	R	0.3	3.4 (0)		
8			05 28 37.8 12.3 N 87.9 W NEAR COAST OF EL SALVADOR H =031 KM MAG 4.10- CGS					
8	LC	eP	05 34 13.5	Z	0.6	1.0 (0)	26.0	3.62
8	MN	eP	05 35 51.0	Z	0.9	1.9 (0)	37.0	3.89
		ePCP	05 38 13	Z	0.6	1.3 (0)		
8	RK	eP	05 36 00.0	Z	1.0	7.1 (0)	39.0	4.34
							AVG.	3.95
8			05 32 26.4 23.7 S 179.1 E FIJI ISLANDS H =282 KM MAG 4.60- CGS					
8	MV	eP	05 44 24.9	Z	1.0	8.1 (0)	84.0	4.49
8	MN	eP	05 44 32.4	Z	1.0	11.6 (0)	85.0	4.64
8	LC	eP	05 44 58.0	Z	1.1	9.5 (0)	90.0	4.63
							AVG.	4.58
8			07 38 14.9 20.7 S 178.3 W FIJI ISLANDS H =573 KM MAG 4.30- CGS					
8	MV	eP	07 49 26.2	Z	1.0	4.8 (0)	80.0	3.88
8	MN	eP	07 49 34.3	Z	0.8	3.4 (0)	81.0	3.86

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	LC	eP	07 50 00.0	Z	0.8	1.5 (0)	85.0 AVG.	3.67 3.80
8	RK	eP	07 54 06.1	Z	0.7	26.1 (0)		
8	09 06 16.0		36.2 S 100.5 W SOUTHEAST OF EASTER ISLAND H =033 KM MAG 4.70- CGS					
8	LC	eP	09 17 16.2	Z	1.1	3.1 (0)	68.0	4.32
		eP	09 17 18	LZ	15	84.7 (0)		
		e	09 17 21	Z	0.9	3.9 (0)		
		eS	09 26 25	LR	20	55.6 (1)		
		eSCS	09 27 17	LR	20	26.1 (1)		
		eSS	09 30 55	LR	20	46.7 (1)		
		eSSS	09 34 08	LR	25	82.4 (1)		
		eLQ	09 35 40	LR	28	77.4 (1)		
		eLR	09 39 45	LZ	22	49.5 (1)		
		eL	09 41 48	LT	18	72.9 (1)		
		eL	09 41 48	LR	19	46.6 (1)		
		eL	09 41 48	LZ	18	78.8 (1)		
8	LV	eP	09 17 20.5	Z	0.8	10.8 (0)	68.0	4.99
		eL	09 38 43	LZ	22	46.5 (1)		
8	MN	eP	09 18 02.2	Z	0.9	3.1 (0)	76.0	4.34
		e	09 18 06	Z	1.0	13.2 (0)		
		eS	09 27 50	LT	23	36.9 (1)		
		eS	09 27 50	LR	19	16.4 (1)		
		eSS	09 32 50	LT	24	36.7 (1)		
		eLR	09 38 52	LZ	28	39.2 (1)		
		eL	09 43 00	LT	25	56.9 (1)		
		eL	09 43 00	LR	25	42.0 (1)		
		eL	09 43 00	LZ	25	62.7 (1)		
8	MV	eP	09 18 14.5	Z	1.0	3.2 (0)	77.0	4.31
		eS	09 27 10	LT	28	59.6 (1)		
		e	09 29 45	LT	25	29.5 (1)		
		eSS	09 33 00	LT	19	34.3 (1)		
		eLQ	09 39 10	LR	32	95.0 (1)		
		eLR	09 43 00	LZ	22	12.3 (2)		
8	DH	eP	09 18 33.3	Z	0.8	5.5 (0)	82.0	4.64
		e	09 18 40	LT	20	29.8 (1)		
		e	09 24 10	LT	20	29.8 (1)		
		eLQ	09 40 35	LR	36	15.0 (2)		
		eLR	09 45 45	LZ	27	23.1 (2)		
8	RK	eP	09 19 00.2	Z	0.7	2.3 (0)	87.0	4.46
		e	09 19 30	LT	16	48.0 (1)		
		e	09 25 20	LR	21	35.9 (1)		
		eL	09 46 55	LT	24	66.6 (1)		
							AVG.	4.51

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	LC	eP	09 31 24.3	Z	0.3	0.4 (0)		
8	LC	eL	09 33 23	R	0.7	5.4 (0)		
8	LC	eL	11 45 10	LZ	25	73.7 (0)		
8	MN	eP	12 30 01.2	Z	0.2	1.1 (0)	0.1	
		eS	12 30 04	R	0.2	11.9 (0)		
8	13 06 25.9		30.3 S 177.9 W KERMADEC ISLANDS H =033 KM					
8	RK	eL	15 50 11	T	0.7	4.9 (0)		
8	17 22 30.*		19.6 N 109.4 W OFF COAST JALISCO, MEXICO H =033 KM MAG 3.90- CGS					
8	LC	eS	17 28 10	LR	19	60.2 (1)	13.0	
		eLR	17 29 37	LZ	18	29.3 (1)		
8	MN	eL	17 33 07	LZ	25	26.6 (1)	20.0	
8	19 29 47.6		21.9 S 174.6 W TONGA ISLANDS H =033 KM MAG 4.40- CGS					
8	MN	eP	19 41 56.3	Z	0.3	1.7 (0)	1.3	
		eS	19 42 13	T	0.4	4.3 (0)		
8	19 50 29.8		23.6 S 179.8 E FIJI ISLANDS REGION H =550 KM MAG 5.70- CGS					
8	HW	eP	19 58 30.5	Z	0.8	60.6 (1)	49.0	6.12
8	MV	eP	20 02 00.2	Z	1.1	25.7 (1)	83.0	5.66
		eP	20 02 03	LZ	17	20.7 (2)		
		epP	20 03 57	Z	1.5	33.5 (0)		
		ePP	20 04 50	LZ	18	15.1 (2)		
		ePP	20 05 13	Z	1.5	23.9 (0)		
		eS	20 11 40	LT	19	16.5 (2)		
		eS	20 11 41	T	1.8	47.1 (0)		
		esS	20 15 00	LT	33	25.4 (2)		
		e	20 20 00	LZ	27	85.1 (1)		
		eP'P'	20 28 19	Z	1.2	5.0 (0)		
		eSKPP'	20 30 38	Z	1.0	4.8 (0)		
		eL	21 49 47	LZ	20	53.5 (1)		
8	MN	eP	20 02 07.3	Z	999.9	99.9 (9)	85.0	
		eP	20 02 08	LZ	18	15.9 (2)		
		epP	20 04 07	Z	1.2	37.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		epP	20 04 25	LZ	20	15.2	(2)		
		ePP	20 05 29	Z	1.3	35.1	(0)		
		e	20 09 20	LT	30	13.8	(2)		
		eS	20 11 44	T	1.3	6.5	(0)		
		eS	20 11 45	LT	30	15.7	(2)		
		esPS	20 16 25	LT	999.9	99.9	(9)		
		e	20 18 55	Z	1.2	2.5	(0)		
		eSSS	20 21 32	LT	25	14.4	(2)		
		eLR	20 25 00	LZ	21	74.4	(1)		
		eP'P'	20 28 14	Z	1.0	1.6	(0)		
		eSKPP'	20 30 54	Z	1.2	5.1	(0)		
		eL	20 42 00	LT	18	95.4	(1)		
		eL	20 42 00	LR	21	53.8	(1)		
		eL	20 42 00	LZ	18	12.0	(2)		
8	LC	eP	20 02 31.3	Z	0.8	10.4	(1)	90.0	5.81
		eP	20 02 32	LZ	19	11.2	(2)		
		epP	20 04 32	Z	1.3	86.5	(0)		
		eSP	20 05 10	LZ	19	99.9	(9)		
		ePPP	20 08 43	LZ	22	57.0	(1)		
		eSKS	20 12 10	LT	20	99.9	(9)		
		eSKS	20 12 12	T	3.2	11.7	(1)		
		eS	20 12 48	T	2.2	58.9	(0)		
		ePS	20 15 04	LT	27	99.9	(9)		
		eSS	20 18 30	LT	999.9	99.9	(9)		
		eSSS	20 21 40	LT	27	10.4	(2)		
		eLR	20 26 10	LZ	27	65.9	(1)		
8	LV	eP	20 03 22	LZ	18	72.1	(1)	101.0	
		e	20 06 18	LZ	21	57.2	(1)		
		ePP	20 07 40	LZ	20	10.5	(2)		
		ePP	20 07 44	Z	1.0	36.6	(0)		
		eL	20 28 55	LZ	29	17.1	(2)		
8	RK	ePD	20 03 45.0	Z	1.0	9.5	(0)	106.0	
		e	20 07 52	Z	1.0	9.5	(0)		
		ePP	20 08 09	Z	1.4	45.5	(0)		
		ePP	20 08 10	LZ	16	75.7	(1)		
		eSS	20 22 25	LR	24	18.7	(2)		
		e	20 29 50	LR	25	16.4	(2)		
8	DH	ePD	20 04 30	LZ	20	29.2	(1)	117.0	
		eP'	20 08 11	Z	0.9	14.4	(0)		
		eP'	20 08 20	LZ	22	14.0	(2)		
		ePPP	20 12 22	LZ	21	10.9	(2)		
		e	20 18 00	LR	25	46.7	(1)		
		ePS	20 19 15	LR	21	10.4	(2)		
		e	20 21 25	LR	26	24.8	(2)		
		eL	20 28 07	LR	26	11.6	(2)		
								AVG.	5.86
8	LC	eP	22 13 43.4	Z	0.3	1.8	(0)	2.5	
		eS	22 14 15	T	0.4	4.4	(0)		
8	HW	eP	23 09 55.6	Z	0.2	19.5	(0)	1.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	23 10 10	T	0.3			
8	23 26 25.*		34.0 S 180.0	SOUTH OF KERMADEC ISLANDS				
			H =309 KM MAG	4.20-	CGS			
9	00 19 02.7		22.6 S 179.5 W	FIJI ISLANDS				
			H =550 KM MAG	4.70-	CGS			
9	MN	eP	00 30 34.7	Z	1.0	8.3 (0)	84.0	4.31
9	LC	eP	00 30 59.5	Z	0.9	9.8 (0)	89.0	4.64
		epP	00 33 06	Z	1.0	2.5 (0)		
							AVG.	4.47
9	02 45 45.5		04.4 S 152.7 E	NEW BRITAIN				
			H =034 KM MAG	5.60-	CGS			
9	MV	eP	02 58 42.0	Z	3.0	16.6 (1)	90.0	5.71
		eP	02 58 43	LZ	16	64.9 (1)		
		ePP	03 02 11	LZ	24	26.0 (1)		
		eS	03 09 15	LR	14	47.0 (2)		
		eSS	03 15 40	LT	23	28.5 (2)		
		e	03 19 22	LZ	27	21.1 (2)		
		eLQ	03 22 40	LT	35	50.9 (2)		
		eLR	03 27 15	LZ	30	97.6 (2)		
9	MN	eP	02 58 52.0	Z	1.5	21.9 (0)	92.0	5.26
		eP	02 58 52	LZ	22	40.0 (1)		
		ePP	03 02 39	Z	3.0	17.3 (1)		
		eSKS	03 09 27	LT	22	17.0 (2)		
		eSP	03 11 10	LZ	22	28.0 (2)		
		e	03 12 39	Z	0.8	0.4 (0)		
		e	03 14 27	Z	0.5	0.9 (0)		
		e	03 16 02	Z	1.0	1.6 (0)		
		eSS	03 16 07	LR	24	24.3 (2)		
		eSSS	03 19 58	LR	22	99.9 (9)		
		eLQ	03 23 25	LT	999.9	99.9 (9)		
		eP'P'	03 24 23	Z	1.0	1.6 (0)		
		eLR	03 28 33	LZ	999.9	99.9 (9)		
9	NP	eP	02 58 58.8	JZ	1.3	12.8 (1)	94.0	6.12
9	LC	eP	02 59 51.5	Z	0.5	0.4 (0)	101.0	4.24
		eP	02 59 52	LZ	23	23.5 (1)		
		e	03 03 05	Z	1.3	4.9 (0)		
		ePP	03 03 52	LZ	23	33.5 (1)		
		ePP	03 03 58	Z	3.5	17.1 (1)		
		eSKS	03 10 20	LR	21	99.9 (9)		
		eSKS	03 10 33	R	2.3	55.1 (0)		
		eSP	03 12 50	LZ	20	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePKKP	03 16 09	Z	1.3	29.6 (0)		
		eSS	03 18 33	LT	23	14.5 (2)		
		eSSS	03 22 16	LR	32	22.4 (2)		
		eP'P'	03 24 06	Z	1.0	1.2 (0)		
		eLQ	03 27 45	LT	999.9	99.9 (9)		
		eLR	03 32 58	LZ	999.9	99.9 (9)		
9	RK	ePD	03 00 00	LZ	17	18.7 (1)	108.0	
		eP'	03 04 10	Z	0.7	1.2 (0)		
		ePP	03 04 28	Z	1.3	23.5 (0)		
		ePP	03 04 30	LZ	18	44.1 (1)		
		eSKS	03 10 48	LT	20	11.6 (2)		
		ePS	03 13 55	LT	23	14.6 (2)		
		ePKKP	03 15 35	Z	0.8	5.8 (0)		
		eSS	03 19 45	LT	22	25.3 (2)		
		eSSS	03 23 55	LR	25	19.2 (2)		
		eLQ	03 30 50	LR	42	99.9 (9)		
9	DH	eP'	03 04 40.5	Z	1.0	50.5 (0)	123.0	
		ePP	03 06 12	LZ	21	45.3 (1)		
		e	03 07 45	LZ	18	75.0 (1)		
		eSPP	03 17 58	LZ	20	11.1 (2)		
		eSS	03 23 15	LR	29	15.8 (2)		
		eLQ	03 38 20	LT	43	99.9 (9)		
		eLR	03 44 33	LZ	27	99.9 (9)		
9	LV	eSP	03 15 00	LZ	23	33.2 (2)	114.0	
		e	03 29 07	LZ	32	30.2 (2)		
		e	03 32 42	LZ	20	32.7 (2)		
		eL	03 38 40	LZ	27	27.9 (2)		
						AVG.		5.33
9	MV	eLR	05 05 00	LZ	22	77.0 (1)		
9	05 18 36.9		49.8 N 130.0 W VANCOUVER ISLAND REGION H =033 KM MAG 3.20- CGS					
9	MN	eP	05 21 58.5	Z	2.0	15.5 (0)	14.0	4.29
9	MN	eP	07 31 16.5	Z	1.1	2.0 (0)		
9	LC	eP	08 46 41.0	Z	0.7	0.6 (0)		
9	LC	eL	08 48 08	R	0.7	3.0 (0)		
9	LC	e	09 30 32	R	0.6	1.0 (0)		
9	LC	e	10 10 12	R	0.7	1.2 (0)		
9	LC	eP	10 27 00.2	Z	1.0	7.7 (0)		
9	LC	e	10 27 08	Z	0.7	5.1 (0)		
9	MN	eP	10 28 44.5	Z	1.0	1.6 (0)		
9	MN	e	10 28 55	Z	1.0	4.9 (0)		
9	LC	eL	10 32 00	LR	18	20.6 (1)		
9	LC	eLR	10 33 22	LZ	14	38.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	10 45 19.7		44.4 N 114.6 W CENTRAL IDAHO H =033 KM MAG 4.10- CGS					
9	MN	eP	10 47 09.3	Z	0.5	0.9 (0)	7.0	3.90
		eS	10 48 32	R	0.5	1.2 (0)		
9	12 21 19.5		12.3 N 141.3 E MARIANA ISLANDS REGION H =076 KM MAG 4.60- CGS					
9	12 52 15.4		14.7 S 167.4 E NEW HEBRIDES ISLANDS H =182 KM MAG 4.40- CGS					
9	MN	eP	13 05 27.5	Z	0.7	0.4 (0)		
9	MV	eP	13 25 14.5	Z	0.7	1.5 (0)		
9	LC	eLR	13 33 10	LZ	22	11.2 (1)		
9	LC	eP	13 37 17.8	Z	0.7	0.6 (0)		
9	LC	eL	13 38 46	R	0.7	1.8 (0)		
9	MN	eL	14 36 52	T	1.1	2.0 (0)		
9	MV	eP	17 49 19.0	Z	0.5	0.6 (0)		
9	17 58 33.3		23.5 S 180.0 FIJI ISLANDS H =512 KM MAG 4.80- CGS					
9	MV	eP	18 10 05.7	Z	0.7	7.9 (0)	83.0	4.35
9	MN	eP	18 10 12.8	Z	1.0	7.4 (0)	85.0	4.27
9	LC	eP	18 10 37.0	Z	0.8	7.6 (0)	89.0	4.57
							AVG.	4.39
9	MN	eP	18 07 11.0	Z	0.2	1.5 (0)	3.1	
		eS	18 07 50	R	0.2	13.8 (0)		
9	18 50 47.*		43.9 N 113.3 W CENTRAL IDAHO H =033 KM					
9	19 07 19.0		44.3 N 114.6 W CENTRAL IDAHO H =033 KM MAG 3.80- CGS					
9	MN	eP	19 09 02.3	Z	0.3	0.2 (0)	6.0	3.39
		eL	19 10 28	R	0.8	2.3 (0)		
9	MV	eL	19 10 53	T	0.7	1.5 (0)	7.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9			19 10 37.1	44.4 N 114.8 W H =033 KM MAG	CENTRAL IDAHO 4.10- CGS			
9	MN	eP	19 12 32.0	Z	0.6	2.4 (0)	6.0	4.00
		eL	19 13 48	R	0.7	2.0 (0)		
9	MV	eL	19 14 09	Z	1.0	1.5 (0)	6.0	
9			21 11 05.9	31.7 S 178.4 W H =033 KM MAG	KERMADEC ISLANDS 4.50- CGS			
9			21 41 43.6	31.3 N 72.1 E H =033 KM MAG	PAKISTAN 4.70- CGS			
9	LC	eP	21 42 01.0	Z	0.2	16.5 (0)	1.5	
		eS	21 42 19	T	0.2	14.6 (0)		
9	MN	eP	22 18 59.0	Z	0.3	0.5 (0)	2.9	
		eS	22 19 36	R	0.5	6.0 (0)		
9	RK	eL	22 44 51	T	1.0	12.3 (0)		
9	MN	eP	23 29 58.8	Z	0.2	7.9 (0)		
10			01 09 47.0	14.0 S 166.2 E H =064 KM MAG	NEW HEBRIDES ISLANDS 4.60- CGS			
10	MV	eP	01 22 21.9	Z	0.7	1.5 (0)	86.0	4.12
		e	01 29 50	LT	24	29.0 (1)		
		e	01 31 40	LT	30	12.6 (2)		
		e	01 39 45	LT	25	55.7 (1)		
		eLQ	01 44 50	LR	22	22.5 (1)		
		eLR	01 48 30	LZ	27	92.6 (1)		
		eL	01 51 22	LT	21	13.2 (2)		
		eL	01 51 22	LR	22	57.3 (1)		
		eL	01 51 22	LZ	21	84.2 (1)		
10	MN	eS	01 33 18	LT	24	27.6 (1)	88.0	
		e	01 36 40	LT	35	73.0 (1)		
		eLQ	01 45 45	LT	29	57.9 (1)		
		eLR	01 49 30	LZ	27	10.0 (2)		
		eL	01 54 30	LR	20	92.8 (1)		
		eL	01 54 30	LZ	20	14.6 (2)		
		eL	01 54 53	LT	19	97.3 (1)		
10	LC	ePS	01 35 45	LT	28	18.1 (1)	95.0	
		eS	01 41 10	LT	24	29.9 (1)		
		eSSS	01 44 20	LT	25	14.2 (1)		
		eLQ	01 49 00	LT	27	15.5 (1)		
		eLR	01 53 05	LZ	25	50.1 (1)		
		eL	01 54 37	LT	24	41.8 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	M.G
		eL	01 54 37	LR	24	35.1 (1)		
		eL	01 54 37	LZ	25	61.1 (1)		
10	DH	eSP	01 39 50	LZ	15	17.5 (1)	121.0	
		eSS	01 47 00	LR	22	13.7 (1)		
		eLR	02 06 23	LZ	30	32.0 (1)		
10	RK	eLR	02 01 20	LZ	26	19.5 (1)	107.0	
10	RK	eP	02 02 06.0	Z	1.0	9.8 (0)		
10			02 17 11.2	44.3 N 114.7 W H =033 KM MAG	CENTRAL IDAHO 4.30- CGS			
10	MN	eP	02 18 53.7	Z	0.3	0.5 (0)	6.0	3.69
		e	02 19 06	Z	0.5	2.1 (0)		
		eL	02 20 29	R	0.5	4.6 (0)		
10	MV	eL	02 20 50	T	1.0	3.1 (0)	7.0	
10	LC	eP	03 00 07.8	Z	1.0	3.8 (0)		
10			03 33 25.0	44.4 N 114.7 W H =033 KM MAG	CENTRAL IDAHO 4.10- CGS			
10	MN	eP	03 35 13.1	Z	0.3	0.2 (0)	6.0	3.39
		e	03 35 20	Z	0.5	1.5 (0)		
		eL	03 36 43	R	0.6	3.4 (0)		
10	MV	eL	03 37 01	T	0.5	1.2 (0)	7.0	
10			05 31 03.1	23.6 S 178.9 E H =268 KM MAG	FIJI ISLANDS 4.50- CGS			
10	MN	eP	05 43 11.2	Z	0.6	2.0 (0)	85.0	4.10
10	LC	eP	05 43 36.5	Z	1.0	2.5 (0)	90.0	4.11
							AVG.	4.10
10			06 25 14.5	23.0 S 179.8 E H =520 KM MAG	FIJI ISLANDS REGION 4.80- CGS			
10	HW	eP	06 33 14.7	Z	0.7	11.9 (1)	49.0	5.45
10	MV	eP	06 36 45.5	Z	0.8	15.1 (0)	83.0	4.57
		epP	06 38 42	Z	0.9	2.4 (0)		
		eSPP	06 42 52	Z	0.8	1.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	MN	eP	06 36 52.6	Z	1.0	9.9 (0)	84.0	4.39
		epP	06 38 49	Z	1.2	3.8 (0)		
		ePP	06 40 16	Z	1.5	9.7 (0)		
		eSPP	06 42 57	Z	0.7	0.8 (0)		
10	LC	eP	06 37 16.3	Z	0.8	10.7 (0)	89.0	4.72
		epP	06 39 15	Z	1.0	3.8 (0)		
							AVG.	4.78
10	07 36 09.*		14.6 S 73.6 W SOUTHERN PERU H =176 KM MAG 4.00- CGS					
10	MV	eP	10 58 60.0	Z	1.2	4.9 (0)		
10	MN	eP	10 59 07.2	Z	1.4	7.9 (0)		
10	LC	eP	10 59 38.2	Z	1.0	2.5 (0)		
10	LC	e	11 11 00	LT	20	74.4 (0)		
10	LC	e	11 16 53	LT	29	12.8 (1)		
10	LC	e	11 23 30	LT	29	11.4 (1)		
10	MV	eLR	11 24 40	LZ	26	97.1 (0)		
10	MN	eLR	11 26 05	LZ	26	11.7 (1)		
10	LC	eLR	11 28 30	LZ	29	10.5 (1)		
10	11 29 33.4		59.3 N 151.6 W KENAI PENINSULA H =030 KM MAG 4.20- CGS					
10	NP	eP	11 34 14.4	JZ	.9	23.9 (0)	20.0	4.45
10	MN	eP	11 35 40.5	Z	0.9	1.9 (0)	30.0	3.89
							AVG.	4.17
10	RK	eLR	11 43 00	LZ	18	88.0 (0)		
10	DH	eLR	11 47 00	LZ	20	17.7 (1)		
10	HW	eL	12 16 30	LZ	30	42.3 (1)		
10	13 09 13.1		36.1 N 27.3 E DODECANESE ISLANDS H =050 KM MAG 4.50- CGS					
10	14 13 12.*		00.1 N 123.2 E NORTHERN CELEBES H =160 KM					
10	MV	eP	14 42 32.7	Z	0.2	0.7 (0)	1.2	
		eS	14 42 48	R	0.3	2.3 (0)		
10	MN	eP	15 04 25.2	Z	0.2	0.7 (0)		
10	MN	eS	15 04 33	R	0.3	6.7 (0)		
10	MN	eP	16 06 45.6	Z	0.3	1.1 (0)	0.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	16 06 56	R	0.3	4.1 (0)		
10	17 01 07.3		53.8 N 159.9 W ALASKA PENINSULA REGION H =033 KM MAG 5.00- CGS					
10	NP	eP	17 06 52.7	JZ	.6	28.2 (0)	27.0	5.10
10	MV	eP	17 07 14.4	Z	1.0	9.5 (0)	30.0	4.54
		eLQ	17 13 46	LT	28	78.6 (1)		
		eLR	17 15 10	LZ	17	33.4 (1)		
10	MN	eP	17 07 34.7	Z	0.7	7.0 (0)	32.0	4.63
		eS	17 13 00	LR	21	32.4 (1)		
		eL	17 16 18	LZ	15	39.9 (1)		
10	RK	eP	17 08 34.6	Z	0.7	29.2 (0)	39.0	5.12
		eLR	17 21 28	LZ	24	19.4 (1)		
10	LC	eP	17 09 08.0	Z	1.0	16.7 (0)	43.0	4.72
		eP	17 09 10	LZ	13	11.9 (1)		
		eS	17 15 48	LR	22	19.8 (1)		
		eSCS	17 19 20	LT	21	31.9 (1)		
		eLQ	17 20 42	LT	25	48.8 (1)		
		eLR	17 22 33	LZ	32	36.8 (1)		
		eL	17 25 47	LR	16	46.9 (1)		
		eL	17 25 47	LT	14	27.2 (1)		
		eL	17 25 47	LZ	16	38.8 (1)		
10	DH	eP	17 10 35.4	Z	0.8	11.2 (0)	55.0	4.94
		eLR	17 36 00	LZ	16	88.7 (1)		
10	LV	eLR	17 31 40	LZ	16	28.8 (1)	52.0	
							AVG.	4.84
10	DH	eP	17 35 06.0	Z	0.2	9.0 (0)	1.8	
		eS	17 35 30	T	0.3	11.8 (0)		
10	18 03 30.7		55.2 N 157.1 W ALASKA PENINSULA REGION H =033 KM MAG 4.10- CGS					
10	NP	eP	18 09 02.0	JZ	.6	14.1 (0)	25.0	4.77
10	LC	eP	18 18 28.0	Z	0.2	15.9 (0)	1.6	
		eS	18 18 48	T	0.3	14.0 (0)		
10	MN	eP	18 22 43.4	Z	0.3	1.4 (0)	1.5	
		eS	18 23 02	R	0.4	2.5 (0)		
10	19 14 26.8		19.0 S 175.8 E TONGA ISLANDS REGION H =033 KM MAG 5.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
				LT	30	77.9 (1)	48.0	
10	HW	e	19 26 10	LT	21	78.5 (1)		
		eS	19 30 17	LT	25	24.5 (2)		
		eSS	19 33 35	LZ	28	25.4 (2)		
		eLR	19 36 35	Z	1.0	12.7 (0)	82.0	4.90
10	MV	eP	19 26 47.7	LZ	12	93.0 (1)		
		eP	19 26 50	LZ	20	20.0 (1)		
		ePPP	19 32 00	LT	29	63.3 (1)		
		e	19 36 02	LT	25	41.3 (1)		
		eSS	19 42 15	LT	31	38.7 (1)		
		eLQ	19 50 15	LZ	26	12.8 (2)		
		eLR	19 52 32	LT	23	14.6 (2)		
		eL	19 54 38	LR	23	44.6 (1)		
		eL	19 54 38	LZ	22	16.9 (2)		
		eL	19 54 38	Z	1.0	18.2 (0)	84.0	5.16
10	MN	eP	19 26 56.5	LZ	13	54.4 (1)		
		eP	19 26 58	Z	1.5	34.1 (0)		
		e	19 27 29	LT	26	48.6 (1)		
		eS	19 37 10	LT	34	10.9 (2)		
		ePPS	19 39 05	LT	22	87.1 (1)		
		eSS	19 43 14	LT	21	52.5 (1)		
		eSSS	19 46 52	Z	1.0	4.1 (0)		
		eP'P'	19 53 00	LZ	28	14.6 (2)		
		e	19 53 22	LT	24	16.7 (2)		
		eL	19 54 48	LR	25	82.1 (1)		
		eL	19 54 48	LZ	24	17.6 (2)		
		eL	19 54 48	LZ	14	32.7 (1)	90.0	
10	LC	eP	19 27 32	LZ	14	32.7 (1)		
		e	19 32 05	LT	20	67.5 (1)		
		eS	19 38 10	LT	20	42.1 (1)		
		ePS	19 39 30	LT	27	34.1 (1)		
		e	19 41 50	LT	28	68.5 (1)		
		eSS	19 44 18	LT	31	41.6 (1)		
		eSSS	19 48 03	LT	25	76.7 (1)		
		eLQ	19 51 25	LZ	28	99.9 (9)		
		eLR	19 55 45	LR	23	51.8 (1)	117.0	
10	DH	ePS	19 44 08	LR	29	61.4 (1)		
		eSS	19 50 53	LR	28	41.1 (1)		
		eLQ	20 04 00	LZ	27	35.4 (1)		
		eLR	20 12 47	LZ	32	17.1 (2)	102.0	
10	LV	eLR	20 01 35	LZ	24	46.7 (1)	105.0	
10	RK	eLR	20 05 28				AVG.	5.03
10	MV	eP	19 24 12.7	Z	0.2	4.5 (0)	1.2	
10	MN	eP	19 24 22.6	Z	0.3	2.3 (0)	1.7	
10	MV	eS	19 24 28	T	0.3	14.5 (0)	1.2	
10	MN	eS	19 24 45	T	0.4	7.4 (0)	1.7	
10	DH	eP	19 37 23.1	Z	0.3	3.4 (0)	1.2	
		eS	19 37 38	T	0.4	57.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	19 40 08.*		28.9 N 104.0 W CHIHUAHUA, MEXICO H =033 KM MAG 4.20- CGS					
10	DH	eP	20 10 08.0	Z	0.2	4.5 (0)	1.5	
		eS	20 10 27	T	0.3	19.7 (0)		
10	RK	eP	21 29 00.0	Z	0.2	2.3 (0)	2.4	
		eS	21 29 31	R	0.3	32.2 (0)		
10	MN	eLR	21 45 15	LZ	19	20.9 (1)		
10	MV	eLR	21 46 30	LZ	19	15.6 (1)		
10	23 56 26.2		03.4 S 131.4 E CERAM REGION H =064 KM MAG 4.80- CGS					
11	MV	eLR	00 45 30	LZ	27	14.9 (1)	106.0	
11	LC	eLR	00 52 47	LZ	27	18.9 (1)	119.0	
11	00 12 29.6		44.3 N 114.7 W CENTRAL IDAHO H =033 KM MAG 4.40- CGS					
11	MN	eP	00 14 19.0	Z	0.5	0.3 (0)	6.0	3.19
		eL	00 15 50	T	0.7	2.5 (0)		
11	00 52 58.7		12.3 N 59.5 W WINDWARD ISLANDS REGION H =033 KM MAG 4.20- CGS					
11	DH	eLR	01 08 20	LZ	25	49.3 (1)	33.0	
11	00 53 12.7		04.1 S 151.8 E NEW BRITAIN H =205 KM MAG 4.50- CGS					
11	MN	eP	01 06 02.3	Z	0.7	2.4 (0)	93.0	4.44
11	02 08 44.7		44.3 N 114.7 W CENTRAL IDAHO H =015 KM MAG 4.90- CGS					
11	MN	eP	02 10 22.5	Z	0.9	3.1 (0)	6.0	4.06
		e	02 10 26	LT	24	33.7 (1)		
		eLR	02 12 04	LR	14	99.9 (9)		
		eL	02 12 32	LR	999.9	99.9 (9)		
		eL	02 12 32	LT	18	21.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	02 12 32	LZ	17	32.2 (2)		
11	MV	eP	02 10 31.0	Z	1.0	8.8 (0)	7.0	4.66
		e	02 10 55	LT	25	30.9 (1)		
		eL	02 12 21	R	1.0	11.0 (1)		
		eL	02 12 38	LZ	16	23.5 (2)		
11	LC	eP	02 12 01.2	Z	1.0	6.8 (0)	13.0	4.73
		e	02 13 04	R	1.0	5.3 (0)		
		eL	02 15 47	Z	2.0	51.6 (0)		
		eLQ	02 16 12	LR	16	10.1 (2)		
		eLR	02 17 06	LZ	11	18.1 (2)		
11	RK	eP	02 12 24.5	Z	0.7	7.2 (0)	16.0	3.92
		eL	02 16 50	Z	1.0	38.8 (0)		
		eL	02 17 31	LZ	17	23.3 (1)		
11	NP	eP	02 15 14.0	JZ	.8	15.9 (0)	32.0	4.97
11	LV	eSCP	02 21 30	LZ	15	39.0 (1)	22.0	
		eLR	02 22 40	LZ	14	22.7 (2)		
11	DH	eLQ	02 24 12	LR	20	47.3 (1)	29.0	
		eLR	02 26 15	LZ	15	15.8 (2)		
							AVG.	4.46

11 02 25 06.6 44.3 N 114.8 W CENTRAL IDAHO
H =033 KM MAG 3.60- CGS

11	MN	eL	02 28 26	Z	0.8	0.9 (0)	7.0	

11 02 31 42.0 44.4 N 114.7 W CENTRAL IDAHO
H =033 KM MAG 4.20- CGS

11	NP	eP	03 24 42.9	JZ	.7	14.5 (0)	4.1	
		eS	03 25 32	R	1.0	42.9 (0)		
11	MV	eP	03 33 20.2	Z	0.2	16.7 (0)	0.8	
		eS	03 33 31	R	0.2	28.1 (0)		

11 03 45 35.6 44.4 N 114.8 W CENTRAL IDAHO
H =033 KM MAG 4.10- CGS

11 03 55 39.6 44.4 N 114.8 W CENTRAL IDAHO
H =033 KM

11	LC	eL	04 00 45	LR	20	17.5 (1)	14.0	
		eL	04 01 40	LT	15	28.1 (1)		

11 06 04 28.3 38.9 N 118.1 W WESTERN NEVADA
H =033 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	MN	eP	06 04 38.7	Z	999.9	99.9 (9)	0.5	
11	MV	eP	06 05 12.0	Z	0.2	10.0 (0)	2.5	
		eS	06 05 39	R	0.3	14.0 (0)		
11	MN	eP	06 16 04.0	Z	0.2	7.9 (0)	0.5	
		eS	06 16 11	T	0.2	15.3 (0)		

11 06 31 54.7 19.0 S 169.3 E NEW HEBRIDES ISLANDS
H =245 KM MAG 4.50- CGS

11	MN	eP	06 44 21.8	Z	1.0	7.4 (0)	89.0	4.57

11 08 59 37.6 03.5 S 131.2 E CERAM
H =033 KM MAG 5.70- CGS

11	NP	eP	09 13 11.3	JZ	1	10.3 (0)	98.0	5.44
11	LC	eP	09 18 26.0	Z	1.0	2.7 (0)	119.0	
		ePKKP	09 28 44	Z	1.0	4.1 (0)		
		eSP	09 29 40	LZ	20	11.7 (1)		
		eLR	09 54 40	LZ	24	75.4 (0)		
11	MN	ePP	09 18 28	Z	1.4	5.9 (0)	108.0	
11	MV	eLR	09 48 45	LZ	23	28.9 (1)	106.0	
11	RK	eLR	10 01 00	LZ	25	12.1 (0)	120.0	
11	LV	eLR	10 01 30	LZ	26	20.9 (1)	131.0	
11	DH	eLR	10 12 05	LZ	23	53.1 (1)	135.0	

11 09 42 06.9 44.3 N 114.8 W CENTRAL IDAHO
H =033 KM MAG 4.00- CGS

11	MN	eP	09 44 01.0	Z	0.6	1.0 (0)	7.0	3.87
		eL	09 45 18	T	0.7	1.2 (0)		

11 09 49 05.* 16.8 N 95.1 W NEAR COAST OAXACA, MEXICO
H =129 KM MAG 3.80- CGS

11	MN	eP	09 55 09.0	Z	0.9	3.1 (0)	30.0	4.05

11	LC	eP	10 13 40.5	Z	0.7	3.4 (0)		
11	MN	eP	10 15 26.7	Z	0.9	1.2 (0)		

11 11 45 38.3 18.5 S 177.8 W FIJI ISLANDS
H =611 KM MAG 3.70- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	MN	eP	11 56 43.0	Z	0.6	0.6 (0)	80.0	3.27
11	11 59 41.2		33.2 N 110.7 W ARIZONA H =033 KM MAG 4.10- CGS					
11	LC	eP	12 00 35.0	Z	0.3	5.9 (0)	3.5	4.09
11	MN	eP	12 01 37.5	Z	0.3	0.2 (0)	8.0	3.79
		e	12 02 08	Z	0.5	7.5 (0)		
		eS	12 03 51	T	1.0	12.7 (0)		
11	MV	eP	12 02 16.0	Z	0.9	5.4 (0)	10.0	4.84
		eL	12 05 12	T	1.6	14.3 (0)		
							AVG.	4.24
11	12 29 30.9		44.3 N 114.7 W CENTRAL IDAHO H =033 KM MAG 3.80- CGS					
11	MN	eLR	14 50 00	LZ	28	21.3 (1)		
11	15 11 16.*		03.6 S 127.4 E CERAM SEA H =209 KM					
11	RK	eP	17 44 46.8	Z	0.2	6.9 (0)	4.3	
		eS	17 45 37	R	0.2	47.6 (0)		
11	18 21 53.4		44.2 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.80- CGS					
11	18 24 30.5		44.3 N 114.7 W CENTRAL IDAHO H =033 KM MAG 4.10- CGS					
11	20 34 55.8		44.5 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.50- CGS					
11	22 20 26.6		33.1 S 178.2 W SOUTH OF KERMADEC ISLANDS H =021 KM MAG 4.90- CGS					
11	MV	eP	22 33 23.5	Z	1.0	5.2 (0)	89.0	4.70
11	MN	eP	22 33 29.0	Z	1.0	2.4 (0)	90.0	4.37
11	LC	eLR	23 06 37	LZ	22	10.8 (1)	94.0	
							AVG.	4.53

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	23 40 51.7		40.8 N 112.0 W NORTHERN UTAH H =033 KM MAG 3.80- CGS					
12	MN	eP	01 36 56.4	Z	0.2	2.3 (0)	1.1	
		eS	01 37 11	R	0.3	2.6 (0)		
12	02 28 53.2		22.0 S 67.6 W CHILE BOLIVIA BORDER H =160 KM MAG 4.50- CGS					
12	LV	eL	03 40 08	LZ	19	27.1 (1)	59.0	
12	03 11 53.9		22.5 S 170.7 E LOYALTY ISLANDS REGION H =054 KM MAG 4.90- CGS					
12	MV	eP	03 24 41.0	Z	0.5	0.5 (0)	88.0	4.00
		eLR	03 52 52	LZ	28	11.6 (2)		
		eL	03 54 30	LT	23	98.0 (1)		
		eL	03 54 30	LR	25	36.0 (1)		
		eL	03 54 30	LZ	23	13.9 (2)		
12	MN	eP	03 24 51.3	Z	0.9	3.8 (0)	90.0	4.57
		eLR	03 53 50	LZ	26	17.5 (2)		
		eL	03 57 30	LT	20	17.4 (2)		
		eL	03 57 30	LR	20	85.3 (1)		
		eL	03 57 30	LZ	20	25.6 (2)		
12	HW	eLR	03 36 55	LZ	24	19.9 (2)	53.0	
		eL	03 37 58	LR	23	26.8 (2)		
		eL	03 37 58	LT	13	14.1 (2)		
		eL	03 37 58	LZ	24	19.9 (2)		
12	LV	eLR	04 02 50	LZ	28	97.8 (1)	108.0	
12	DH	eLR	04 12 00	LZ	23	11.3 (2)	123.0	
							AVG.	4.28
12	MN	eP	03 16 36.5	Z	0.2	1.1 (0)	1.1	
		eS	03 16 51	R	0.3	1.4 (0)		
12	03 26 19.4		13.5 S 166.5 E SANTA CRUZ ISLANDS H =068 KM MAG 4.40- CGS					
12	LC	eLR	05 30 58	LZ	25	13.5 (1)		
12	MN	eLR	05 41 50	LZ	20	29.8 (1)		
12	DH	eP	06 00 46.7	Z	1.0	18.7 (0)		
12	MN	eP	06 01 58.9	Z	0.3	0.5 (0)	0.1	
		eS	06 02 01	R	0.3	5.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	06 23 51.7		44.2 N 114.8 W CENTRAL IDAHO H =033 KM MAG 4.40- CGS					
12	MN	eP	06 25 28.1	Z	0.3	0.2 (0)	6.0	3.39
		e	06 25 36	Z	0.6	4.8 (0)		
		eS	06 26 08	LT	20	51.3 (1)		
		e	06 27 15	LR	15	66.4 (2)		
		eL	06 27 50	R	1.0	13.1 (1)		
		eL	06 27 50	LZ	20	22.8 (2)		
12	MV	eP	06 25 38.3	Z	1.0	4.6 (0)	7.0	4.30
		e	06 25 55	Z	0.8	7.3 (0)		
		e	06 26 22	LT	20	34.4 (1)		
		eL	06 27 48	R	1.0	59.6 (0)		
		eLR	06 28 13	LZ	18	18.2 (2)		
		eL	06 28 15	LT	18	13.3 (2)		
		eL	06 28 15	LR	14	11.7 (2)		
		eL	06 28 15	LZ	18	18.4 (2)		
12	LC	eP	06 27 07.0	Z	1.3	6.5 (0)	13.0	4.47
		eL	06 31 08	T	1.3	8.6 (0)		
		eLQ	06 31 10	LT	18	91.6 (1)		
		eL	06 31 13	LT	18	91.6 (1)		
		eL	06 31 13	LR	18	83.3 (1)		
		eLR	06 32 25	LZ	12	20.6 (2)		
12	RK	eP	06 27 42.5	Z	0.7	3.6 (0)	16.0	3.64
		eL	06 32 04	T	1.0	28.3 (0)		
		eL	06 33 13	LZ	16	20.6 (2)		
12	LV	e	06 32 55	LZ	13	29.9 (1)	22.0	
		eL	06 37 58	LZ	15	27.2 (2)		
12	DH	eL	06 39 10	LT	18	12.6 (2)	29.0	
		eLR	06 41 00	LZ	17	14.2 (2)		
12	NP	eL	06 40 53	T	2.2	78.3 (0)	32.0	
							AVG.	3.95
12	MN	eP	06 48 40.7	Z	0.5	0.6 (0)		
12	MN	eL	06 50 10	R	0.7	1.2 (0)		
12	06 53 00.9		44.2 N 114.5 W CENTRAL IDAHO H =033 KM MAG 4.10- CGS					
12	MN	eP	06 54 52.0	Z	0.5	0.6 (0)	6.0	3.50
		e	06 55 54	Z	0.5	1.2 (0)		
		eL	06 57 20	R	1.0	4.1 (0)		
12	MN	eP	16 55 01.7	Z	0.3	3.2 (0)	1.0	
		eS	16 55 16	R	0.3	7.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	07 25 02.*		51.6 N 177.4 E RAT ALEUTIAN ISLANDS H =040 KM MAG 4.40- CGS					
12	MN	eP	07 33 23.2	Z	0.9	3.8 (0)	46.0	4.34
12	LC	eP	07 34 46.5	Z	0.7	3.9 (0)	57.0	4.55
							AVG.	4.44
12	08 01 23.2		44.4 N 114.7 W CENTRAL IDAHO H =033 KM MAG 4.30- CGS					
12	MN	eP	08 03 05.0	Z	0.4	0.2 (0)	6.0	3.25
		e	08 03 16	Z	0.5	1.8 (0)		
		eL	08 04 43	R	1.0	11.5 (0)		
12	MV	eP	08 03 26.0	Z	0.7	0.7 (0)	7.0	3.67
		eL	08 04 58	R	0.7	2.4 (0)		
							AVG.	3.46
12	08 18 57.9		34.9 N 32.2 E CYPRUS H =055 KM MAG 5.00- CGS					
12	NP	eP	08 29 50.5	JZ	.8	23.2 (0)	68.0	5.24
12	DH	eP	08 30 55.3	Z	0.9	28.8 (0)	78.0	5.24
12	RK	eL	09 08 50	LZ	20	39.4 (1)	82.0	
12	LC	eLR	09 09 30	LZ	35	13.0 (1)	103.0	
12	MN	eLR	09 20 10	LZ	21	25.3 (1)	102.0	
							AVG.	5.24
12	09 01 11.4		44.3 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.60- CGS					
12	MN	eP	09 03 05.1	Z	0.5	0.6 (0)	6.0	3.50
		eL	09 05 35	R	0.7	1.2 (0)		
12	09 19 07.*		44.3 N 115.0 W CENTRAL IDAHO H =033 KM MAG 3.70- CGS					
12	09 59 44.9		47.0 N 152.6 E KURILE ISLANDS H =060 KM MAG 4.30- CGS					
12	MN	eP	10 10 05.8	Z	0.9	1.2 (0)	63.0	3.93

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	11 12 03.0		08.2 S 164.4 E SANTA CRUZ ISLANDS H =033 KM MAG 4.20- CGS					
12	MN	eP	11 24 38.2	Z	0.8	2.4 (0)	85.0	4.38
12	11 16 48.9		44.4 N 114.7 W CENTRAL IDAHO H =033 KM MAG 4.30- CGS					
12	MN	eP	11 18 30.0	Z	0.4	0.2 (0)	6.0	3.25
		e	11 18 43	Z	0.5	1.5 (0)		
		eL	11 20 09	R	0.6	2.7 (0)		
12	12 28 25.4		44.4 N 114.8 W CENTRAL IDAHO H =033 KM MAG 4.20- CGS					
12	MN	eP	12 30 10.2	Z	0.4	0.2 (0)	6.0	3.25
		e	12 30 18	Z	0.5	1.8 (0)		
		eL	12 31 40	R	0.6	2.0 (0)		
12	13 10 17.9		07.7 N 35.9 W NORTH ATLANTIC OCEAN H =033 KM MAG 5.00- CGS					
12	RK	eP	13 20 50.0	Z	0.8	7.1 (0)	64.0	4.85
12	LC	eP	13 21 26.8	Z	0.8	4.0 (0)	70.0	4.50
		eLR	13 45 07	LZ	28	66.7 (0)		
12	MN	eP	13 22 24.9	Z	0.9	5.7 (0)	79.0	4.53
12	MV	eP	13 22 36.9	Z	0.9	3.5 (0)	82.0	4.40
							AVG.	4.57
12	14 10 58.*		19.0 S 175.9 E FIJI ISLANDS REGION H =033 KM MAG 4.60- CGS					
12	MV	eP	14 23 18.5	Z	1.0	4.6 (0)	82.0	4.47
12	MN	eP	14 23 27.2	Z	1.0	4.9 (0)	84.0	4.59
		eLR	14 51 00	LZ	21	12.6 (1)		
12	LC	eLR	14 52 45	LZ	30	13.0 (1)	90.0	
		eL	14 54 55	LR	20	11.5 (1)		
		eL	14 54 55	LT	20	16.6 (1)		
		eL	14 54 55	LZ	23	18.6 (1)		
							AVG.	4.53
12	DH	eP	18 36 34.7	Z	0.3	6.7 (0)	1.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	18 36 57	R	0.4	28.3 (0)		
		eP	18 42 28.1	Z	0.2	13.4 (0)		
		eS	18 42 51	R	0.3	22.0 (0)		
12	20 15 08.4		44.4 N 114.8 W CENTRAL IDAHO H =033 KM MAG 4.00- CGS					
12	MN	eP	22 46 10.4	Z	0.2	5.1 (0)	0.9	
		eS	22 46 23	R	0.3	6.5 (0)		
12	MN	eP	22 58 46.4	Z	0.3	1.4 (0)	1.2	
		eS	22 59 02	R	0.3	2.0 (0)		
13	07 46 35.2		13.5 S 166.4 E SANTA CRUZ ISLANDS H =038 KM MAG 4.40- CGS					
13	10 07 22.6		12.5 S 167.3 E SANTA CRUZ ISLANDS H =083 KM MAG 4.50- CGS					
13	10 51 56.6		29.1 N 105.6 W CHIHUAHUA, MEXICO H =033 KM MAG 4.70- CGS					
13	13 43 13.7		45.0 N 111.6 W SOUTHWESTERN MONTANA H =033 KM					
13	18 15 53.9		49.6 S 117.2 E SOUTH OF AUSTRALIA H =033 KM					
13	21 10 56.*		33.3 S 178.1 W KERMADEC ISLANDS REGION H =033 KM MAG 5.10- CGS					
13	23 02 07.2		53.0 N 175.0 W ANDREANOF ALEUTIAN ISLANDS H =220 KM MAG 4.90- CGS					
13	23 33 32.9		31.3 S 179.3 W KERMADEC ISLANDS H =016 KM MAG 4.70- CGS					
14	MN	eLR	00 11 17	LZ	58	16.1 (2)	90.0	
14	LV	eLR	00 22 05	LZ	30	35.5 (1)	104.0	
14	RK	eLR	00 25 10	LZ	34	54.4 (1)	111.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			23 57 37.3	21.4 S 169.1 E LOYALTY ISLANDS REGION H =033 KM				
14	DH	eLR	00 30 50	LZ	24	26.4 (1)	120.0	
14			00 15 45.2	03.5 S 131.2 E CERAM REGION H =033 KM MAG 4.40- CGS				
14			00 18 33.4	03.6 S 131.2 E CERAM REGION H =033 KM MAG 5.80- CGS				
14	MN	eLQ	01 04 40	LR	32	45.3 (1)	108.0	
		eLR	01 06 12	LZ	28	47.3 (1)		
14	MV	eLR	01 05 00	LZ	23	32.7 (1)	106.0	
14	LC	eLR	01 12 00	LZ	25	23.7 (1)	119.0	
14	LV	eLR	01 17 40	LZ	27	29.6 (1)	131.0	
14			00 37 58.*	30.0 S 177.6 W KERMADEC ISLANDS H =033 KM MAG 5.60- CGS				
14			00 38 07.6	30.9 S 179.6 W KERMADEC ISLANDS H =033 KM MAG 4.90- CGS				
14	MV	eP	00 50 56.2	Z	1.4	11.6 (0)	88.0	4.92
14	MN	eP	00 51 03.0	Z	1.2	9.9 (0)	90.0	4.88
14	LC	eP	00 51 21.0	Z	1.0	3.4 (0)	93.0	4.70
14	RK	eLR	01 36 55	LZ	20	66.5 (1)	111.0	
							AVG.	4.83
14			02 13 41.2	22.0 N 121.3 E SOUTHERN FORMOSA H =090 KM MAG 5.00- CGS				
14	LC	eL	03 00 55	LR	26	27.0 (1)	109.0	
		eL	03 01 25	LT	17	18.1 (2)		
14			03 51 13.6	33.3 N 118.6 W OFF COAST SOUTH CALIFORNIA H =014 KM MAG 4.80- CGS				
14	MN	eP	03 52 32.2	Z	1.4	19.3 (0)	5.0	4.48
		e	03 52 45	Z	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	03 52 52	LT	20	47.6 (1)		
		eL	03 53 56	LR	20	38.0 (2)		
14	MV	eP	03 52 47.5	Z	0.7	3.2 (0)	6.0	4.18
		e	03 53 10	LT	20	10.5 (1)		
		eLQ	03 54 18	LT	15	13.6 (2)		
		eL	03 54 35	T	1.2	16.1 (1)		
		eL	03 54 36	LT	15	13.6 (2)		
		eL	03 54 36	LR	24	66.4 (1)		
		eL	03 54 36	LZ	10	46.0 (1)		
		eLR	03 54 50	LR	17	93.5 (1)		
14	LC	eP	03 53 48.0	Z	0.5	1.3 (0)	10.0	4.61
		eL	03 56 37	T	1.8	43.2 (0)		
14	RK	eLR	04 05 20	LZ	16	14.4 (2)	25.0	
14	DH	eLQ	04 09 30	LT	18	92.8 (1)	35.0	
		eLR	04 12 10	LZ	13	14.1 (2)		
							AVG.	4.42
14			03 52 16.9	31.4 S 179.0 W KERMADEC ISLANDS H =033 KM MAG 4.90- CGS				
14	MV	eP	04 05 12.2	Z	1.5	52.6 (0)	88.0	5.60
		eS	04 16 07	LT	22	45.6 (1)		
		ePPS	04 17 50	LT	27	19.9 (2)		
		eLQ	04 28 24	LR	45	20.2 (2)		
		eLR	04 32 25	LT	28	38.8 (2)		
		eL	04 33 30	LT	25	35.7 (2)		
		eL	04 33 30	LR	27	60.7 (1)		
		eL	04 33 30	LZ	28	25.8 (2)		
14	MN	eP	04 05 12.5	Z	1.3	6.2 (0)	90.0	4.64
		e	04 05 18	Z	1.2	21.2 (0)		
		e	04 06 09	Z	1.0	4.0 (0)		
		eLQ	04 29 03	LR	37	15.6 (2)		
		eLR	04 32 55	LZ	30	99.9 (9)		
14	LC	eP	04 05 36.2	Z	1.5	16.9 (0)	93.0	5.22
		ePP	04 09 22	Z	1.0	2.3 (0)		
		eLR	04 34 55	LZ	25	99.9 (9)		
14	RK	e	04 28 25	LR	26	12.2 (2)	111.0	
		eLR	04 43 50	LZ	40	58.6 (2)		
14	DH	eLQ	04 29 35	LR	25	15.5 (2)	120.0	
		eLR	04 48 40	LZ	40	18.4 (2)		
14	LV	eL	04 40 15	LZ	35	28.0 (2)	104.0	
							AVG.	5.15
14	MN	eL	04 15 00	LZ	17	51.3 (1)		
14	LC	eL	04 16 12	LT	25	44.7 (1)		
14	MN	eP	04 17 06.0	Z	0.5	0.6 (0)	5.5	
		eS	04 18 11	R	0.7	4.5 (0)		
14	LV	eL	04 19 24	LZ	19	30.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14			05 04 11.4	44.3 N 114.9 W H =033 KM MAG	CENTRAL IDAHO 3.70- CGS			
14			05 07 15.7	44.4 N 114.7 W H =033 KM MAG	CENTRAL IDAHO 3.60- CGS			
14			05 46 39.7	14.6 S 166.6 E H =070 KM	NEW HEBRIDES ISLANDS			
14	LC	eLR	06 13 00	LZ	25	35.0 (1)		
14	MN	eP	06 28 23.5	Z	0.7	0.8 (0)		
14			06 45 08.3	42.2 N 142.3 E H =050 KM MAG	S. COAST HOKKAIDO, JAPAN 4.30- CGS			
14	MN	eP	07 00 19.0	Z	0.6	0.6 (0)		
14			07 17 18.5	19.0 N 145.0 E H =610 KM MAG	MARIANA ISLANDS REGION 5.00- CGS			
14	MV	eP	07 28 32.2	Z	1.0	22.8 (0)	81.0	4.56
		epP	07 30 39	Z	1.0	3.2 (0)		
14	MN	eP	07 28 45.5	Z	1.0	28.4 (0)	84.0	4.84
		epP	07 30 54	Z	1.0	4.0 (0)		
14	LC	eP	07 29 37.4	Z	0.7	6.3 (0)	95.0	4.93
		epP	07 31 53	Z	1.0	3.4 (0)		
						AVG.		4.77
14			09 26 46.9	25.5 N 142.6 E H =043 KM MAG	VOLCANO ISLANDS REGION 4.50- CGS			
14	MN	eP	09 39 05.0	Z	0.8	1.4 (0)	81.0	3.96
		e	09 51 02	Z	1.2	3.7 (0)		
14	LC	eP	09 39 56.3	Z	0.9	1.7 (0)	92.0	4.39
		e	09 49 19	Z	0.8	4.0 (0)		
						AVG.		4.17
14			09 43 52.*	15.0 N 91.0 W H =130 KM MAG	GUATEMALA 4.10- CGS			
14			10 06 18.4	36.1 N 137.3 E H =066 KM MAG	HONSHU, JAPAN 4.30- CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	MN	eP	10 13 50.0	Z	1.0	1.6 (0)		
14			11 48 18.*	20.1 S 68.2 W H =033 KM MAG	BOLIVIA CHILE BORDER 4.40- CGS			
14	MN	eP	12 00 26.5	Z	1.0	2.4 (0)	75.0	4.12
14	LC	eP	11 59 18.5	Z	1.2	5.3 (0)		
14			12 28 14.5	35.6 N 118.1 W H =014 KM MAG	KERN COUNTY, CALIFORNIA 4.20- CGS			
14	MN	eP	12 28 58.2	Z	0.5	1.2 (0)	2.8	
		eS	12 29 43	R	0.5	15.6 (0)		
14	MV	eP	12 29 24.3	Z	0.4	2.2 (0)	4.4	3.84
		eS	12 30 24	T	0.4	17.0 (0)		
14			15 15 58.1	13.7 S 166.4 E H =034 KM MAG	SANTA CRUZ ISLANDS 4.30- CGS			
14	MN	eLR	15 56 20	LZ	21	23.2 (1)	87.0	
14			15 25 33.3	13.7 S 166.3 E H =020 KM MAG	NEW HEBRIDES ISLANDS 4.50- CGS			
14			15 58 03.8	44.2 N 114.8 W H =033 KM MAG	CENTRAL IDAHO 4.30- CGS			
14	MN	eP	15 59 38.5	Z	0.5	1.5 (0)	6.0	3.88
		eL	16 01 15	LR	16	28.1 (2)		
		eL	16 01 16	R	999.9	99.9 (9)		
14	MV	eP	15 59 51.6	Z	0.7	1.6 (0)	7.0	3.99
		eS	16 01 40	T	1.0	26.3 (0)		
		eL	16 01 56	LZ	18	98.3 (1)		
14	LC	eL	16 05 08	LR	17	79.0 (1)	13.0	
14	RK	eL	16 06 04	Z	2.0	43.4 (1)	16.0	
14	LV	eL	16 11 15	LZ	17	40.5 (1)	22.0	
14	DH	eLQ	16 13 10	LT	20	68.0 (1)	29.0	
		eLR	16 15 01	LZ	15	45.3 (1)		
						AVG.		3.93

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	MN	eL	16 03 15	LR	15	16.2 (2)		
14	MN	e	16 03 33	R	1.0	41.3 (0)		
14	MV	e	16 03 48	T	0.9	27.8 (0)		
14	MN	e	16 03 55	R	1.2	76.4 (0)		
14	16 06 49.3		44.3 N 114.7 W CENTRAL IDAHO H =033 KM MAG 3.90- CGS					
14	MN	eP	16 08 40.0	Z	0.5	0.9 (0)	6.0	3.66
		eL	16 10 04	R	0.5	3.1 (0)		
14	MV	eP	16 08 53.6	Z	0.5	1.2 (0)	7.0	4.02
		eL	16 10 22	T	0.5	0.6 (0)		
							AVG.	3.84
14	16 16 51.8		33.6 S 126.7 W SOUTH PACIFIC OCEAN H =033 KM MAG 4.90- CGS					
14	LC	eP	16 27 51.4	Z	0.9	11.5 (0)	68.0	4.97
14	MN	eP	16 28 15.0	Z	1.0	14.6 (0)	72.0	4.96
14	MV	eP	16 28 17.4	Z	0.7	5.6 (0)	73.0	4.70
							AVG.	4.87
14	16 25 13.2		44.3 N 114.7 W CENTRAL IDAHO H =033 KM MAG 4.30- CGS					
14	MN	eP	16 27 03.0	Z	0.5	0.6 (0)	6.0	3.49
14	LC	eLR	16 32 45	LZ	18	11.3 (1)	13.0	
14	16 39 43.3		44.4 N 114.7 W CENTRAL IDAHO H =033 KM MAG 4.00- CGS					
14	MN	eP	16 41 22.0	Z	0.3	0.2 (0)	6.0	3.38
		eL	16 42 58	R	0.6	4.8 (0)		
14	MV	eP	16 41 38.3	Z	0.5	0.6 (0)	6.0	3.49
		eL	16 43 16	T	0.8	2.9 (0)		
							AVG.	3.43
14	16 55 43.4		44.4 N 114.7 W CENTRAL IDAHO H =033 KM MAG 3.90- CGS					
14	17 16 36.9		44.2 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	MN	eP	17 18 23.7	Z	0.5	0.6 (0)	6.0	
		eL	17 19 49	R	0.7	2.0 (0)		
14	17 50 09.6		44.5 N 114.7 W CENTRAL IDAHO H =033 KM MAG 4.00- CGS					
14	LC	eP	18 19 08.6	Z	0.2	10.4 (0)	1.5	
		eS	18 19 27	T	0.2	7.5 (0)		
14	18 48 58.4		44.3 N 114.7 W CENTRAL IDAHO H =033 KM MAG 3.80- CGS					
14	MN	eP	18 50 47.0	Z	0.5	1.5 (0)	6.0	3.88
14	19 46 15.8		36.7 N 121.8 W MONTEREY CTY., CALIFORNIA H =015 KM MAG 5.40- CGS					
14	MV	eP	19 46 54.7	Z	0.4	66.2 (0)	2.5	
		eP	19 46 55	LZ	15	44.7 (2)		
		eL	19 47 40	LT	20	99.9 (9)		
14	MN	eP	19 47 00.0	Z	999.9	99.9 (9)	3.4	
		e	19 47 15	LZ	15	77.6 (1)		
		eL	19 47 53	LR	999.9	99.9 (9)		
14	LC	eP	19 49 30.0	Z	0.8	3.4 (0)	13.0	4.52
		eL	19 52 02	LT	32	99.9 (9)		
		eL	19 53 13	T	2.0	21.3 (0)		
14	LV	e	19 56 32	LZ	22	38.1 (1)	25.0	
		eLR	19 58 52	LZ	32	63.2 (1)		
14	DH	eLQ	20 04 43	LT	30	19.9 (2)	36.0	
		eLR	20 06 13	LZ	20	54.8 (1)		
14	MV	eP	19 59 18.5	Z	0.2	3.1 (0)	2.4	
14	MN	eP	19 59 36.0	Z	0.2	0.7 (0)	3.1	
14	MV	eS	19 59 49	T	0.2	9.3 (0)	2.4	
14	MN	eS	20 00 15	R	0.3	2.9 (0)	3.1	
14	20 28 08.5		36.7 N 122.0 W MONTEREY CTY., CALIFORNIA H =015 KM MAG 4.30- CGS					
14	MV	eP	20 28 48.4	Z	0.4	31.4 (0)	2.6	
		eL	20 29 08	LZ	14	15.3 (2)		
14	MN	eP	20 29 02.2	Z	1.0	4.8 (0)	3.5	3.48

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		e	20 29 07	Z	999.9	99.9	(9)		
		eL	20 29 48	LT	13	29.9	(2)		
14	MN	eLR	21 58 45	LZ	22	16.8	(1)		
14	LC	eLR	22 02 35	LZ	25	16.2	(1)		
15	00 46 54.1		10.3 S 165.6 E SANTA CRUZ ISLANDS H =043 KM MAG 7.25-7.50 PAS						
15	HW	eP	00 55 35.6	Z	1.3	48.8	(1)	49.0	6.33
		eP	00 55 36	LZ	999.9	99.9	(9)		
15	MV	eP	00 59 20.0	Z	10.0	61.7	(3)	83.0	7.66
		eP	00 59 20	LZ	15	99.9	(9)		
		e	01 00 44	Z	2.4	61.7	(1)		
		ePP	01 02 30	LZ	20	99.9	(9)		
		ePP	01 02 34	Z	1.6	12.2	(1)		
		e	01 06 35	LZ	999.9	99.9	(9)		
		e	01 08 40	LT	13	53.0	(2)		
		eSCS	01 09 50	LT	999.9	99.9	(9)		
		eSCS	01 09 57	R	5.3	33.9	(2)		
		ePPS	01 10 52	R	5.3	42.4	(2)		
		e	01 15 31	T	6.3	30.6	(2)		
		eL	01 30 20	Z	9.5	77.7	(2)		
		e	01 33 55	Z	0.9	4.9	(0)		
		e	01 45 32	Z	0.9	4.9	(0)		
		e	01 48 20	Z	0.8	2.8	(0)		
15	MN	eP	00 59 30.8	Z	1.2	17.2	(1)	86.0	5.97
		eP	00 59 31	LZ	999.9	99.9	(9)		
		e	01 01 09	Z	3.0	96.8	(1)		
		ePP	01 03 06	Z	1.7	38.7	(1)		
		eS	01 10 07	R	6.0	25.6	(2)		
		ePS	01 11 02	R	4.0	10.3	(2)		
		e	01 11 57	R	5.0	9.3	(0)		
		e	01 26 40	R	7.5	27.4	(2)		
		e	01 34 06	Z	1.2	10.2	(0)		
		e	01 45 50	Z	1.2	10.2	(0)		
15	LC	eP	01 00 08.0	Z	1.4	62.3	(0)	93.0	5.80
		eP	01 00 09	LZ	999.9	99.9	(9)		
		e	01 03 20	LZ	999.9	99.9	(9)		
		e	01 03 30	Z	1.8	75.9	(0)		
		ePP	01 03 54	Z	2.1	19.5	(1)		
		e	01 10 50	LT	999.9	99.9	(9)		
		e	01 11 33	R	4.5	12.0	(2)		
		ePS	01 12 41	T	5.7	20.6	(2)		
		eL	01 29 04	T	9.0	24.8	(2)		
		e	01 34 44	Z	0.9	1.7	(0)		
		e	01 46 28	Z	1.0	3.4	(0)		
15	NP	eP	01 00 20.0	JZ	2.5	72.8	(1)	96.0	6.76

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		ePP	01 04 23	JZ	2.8	65.4	(1)		
		eS	01 10 50	R	3.2	53.7	(1)		
		eL	01 32 33	JZ	25	23.0	(4)		
15	RK	ePD	01 00 54.0	Z	1.4	29.6	(0)	105.0	
		eP	01 00 55	LZ	25	99.9	(9)		
		ePP	01 05 14	Z	5.V	51.4	(2)		
		ePP	01 05 14	LZ	999.9	99.9	(9)		
		eSKS	01 11 38	R	4.0	13.2	(2)		
		eSKS	01 11 39	LR	999.9	99.9	(9)		
		ePS	01 14 25	R	7.1	82.9	(2)		
		ePS	01 14 27	LR	999.9	99.9	(9)		
		eL	01 44 00	Z	16.0	38.5	(3)		
15	LV	ePD	01 01 05	LZ	11	90.8	(2)	106.0	
		e	01 04 00	LZ	12	43.6	(2)		
		ePP	01 05 30	LZ	999.9	99.9	(9)		
		ePP	01 05 34	Z	2.6	95.1	(1)		
							AVG.		6.50
15	01 57 24.*		09.4 S 167.0 E SANTA CRUZ ISLANDS H =033 KM MAG 5.00- CGS						
15	MV	eP	02 09 36.1	Z	0.6	1.3	(0)	82.0	4.15
		epP	02 10 04	Z	1.2	24.8	(0)		
15	MN	eP	02 09 51.2	Z	1.0	4.1	(0)	84.0	4.51
		e	02 10 14	Z	1.2	29.3	(0)		
		ePPP	02 15 04	Z	1.2	7.6	(0)		
		eL	02 36 56	Z	1.1	15.3	(0)		
15	LC	eP	02 10 23.0	Z	1.2	8.7	(0)	92.0	4.96
		eL	02 37 34	Z	1.1	4.2	(0)		
							AVG.		4.54
15	02 02 08.*		32.0 S 178.7 W KERMADEC ISLANDS REGION H =033 KM MAG 4.70- CGS						
15	MN	e	02 06 43	Z	1.0	2.4	(0)		
15	NP	eP	02 11 03.6	JZ	1.6	52.0	(0)		
15	RK	eP	02 11 48.2	Z	0.7	2.4	(0)		
15	MV	eP	02 36 45.8	Z	0.9	8.6	(0)		
15	RK	eP	02 36 48.0	Z	1.0	12.4	(0)		
15	MN	eLR	04 15 08	LZ	24	10.8	(1)		
15	LC	eLR	04 17 50	LZ	21	11.1	(1)		
15	04 22 03.3		55.5 S 140.5 W SOUTH PACIFIC OCEAN H =033 KM MAG 4.40- CGS						
15	HW	eLR	04 31 18	LZ	24	65.5	(1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	MV	eLR	04 34 03	LZ	23	14.3 (1)		
15	MV	eLR	04 47 35	LZ	24	38.6 (1)		
15	MN	eLR	04 48 00	LZ	24	51.0 (1)		
15	04 50 21.5		10.2 S 165.3 E SANTA CRUZ ISLANDS H =031 KM MAG 4.50- CGS					
15	MN	eP	05 03 01.9	Z	1.0	2.4 (0)	86.0	4.23
15	LC	eP	05 03 40.0	Z	0.8	0.6 (0)	94.0	4.05
							AVG.	4.14
15	MN	eL	04 51 40	LT	19	41.1 (1)		
15	MN	eL	04 51 40	LR	20	36.8 (1)		
15	MN	eL	04 51 40	LZ	20	67.3 (1)		
15	LC	eLR	04 51 49	LZ	26	24.3 (1)		
15	LC	eL	04 54 18	LT	20	19.5 (1)		
15	LC	eL	04 54 18	LR	22	16.8 (1)		
15	LC	eL	04 54 18	LZ	20	24.5 (1)		
15	LV	eLR	04 57 20	LZ	17	86.7 (0)		
15	LV	eLR	05 00 50	LZ	21	15.8 (1)		
15	05 35 00.2		44.3 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.90- CGS					
15	MN	eP	05 36 40.0	Z	0.3	0.2 (0)	8.0	3.63
		e	05 36 54	Z	0.4	1.7 (0)		
		eL	05 38 15	R	0.5	1.8 (0)		
15	06 15 21.7		10.2 S 165.4 E SANTA CRUZ ISLANDS H =028 KM MAG 4.70- CGS					
15	MV	eP	06 27 50.0	Z	1.0	9.6 (0)	84.0	4.90
15	MN	eP	06 28 00.7	Z	1.2	12.7 (0)	86.0	4.87
15	LC	eP	06 28 38.3	Z	1.0	2.2 (0)	94.0	4.48
							AVG.	4.75
15	RK	eP	06 26 04.9	Z	0.6	5.2 (0)		
15	MN	eP	06 26 09.0	Z	0.2	0.3 (0)	0.9	
		eS	06 26 21	R	0.3	5.0 (0)		
15	06 28 44.2		10.1 S 165.5 E SANTA CRUZ ISLANDS H =033 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	MV	eP	06 41 10.8	Z	0.8	2.8 (0)	84.0	4.45
15	HW	eLR	06 56 00	LZ	23	35.1 (1)	48.0	
15	LC	eLR	07 08 12	LZ	18	10.9 (1)	94.0	
15	MN	eLR	07 13 00	LZ	25	23.0 (1)	86.0	
15	MV	eP	07 28 27.8	Z	0.2	6.1 (0)	1.0	
		eS	07 28 41	T	0.3	35.2 (0)		
15	MN	eP	07 28 42.1	Z	0.2	2.7 (0)	1.8	
		eS	07 29 08	R	0.3	2.9 (0)		
15	08 26 08.7		05.9 S 146.7 E NORTH EAST NEW GUINEA H =089 KM MAG 4.70- CGS					
15	08 31 10.*		30.4 S 179.3 W KERMADEC ISLANDS REGION H =033 KM MAG 4.60- CGS					
15	MV	eP	08 43 56.6	Z	0.7	1.6 (0)	88.0	4.36
15	MN	eP	08 44 03.0	Z	1.0	4.1 (0)	89.0	4.58
							AVG.	4.47
15	MN	eP	08 41 59.5	Z	0.2	0.3 (0)	2.7	
		eS	08 42 35	R	0.3	1.4 (0)		
15	09 08 09.1		13.8 S 166.4 E SANTA CRUZ ISLANDS H =036 KM MAG 4.50- CGS					
15	09 09 38.*		07.2 S 106.5 E JAVA H =033 KM MAG 5.00- CGS					
15	10 48 03.4		35.7 N 117.8 W KERN COUNTY, CALIFORNIA H =015 KM					
15	MN	eP	10 48 46.0	Z	0.3	0.8 (0)	2.7	
		e	10 48 50	Z	0.3	3.2 (0)		
		eL	10 49 27	T	0.4	12.0 (0)		
15	MV	eP	10 49 15.0	Z	0.3	2.3 (0)	4.4	3.99
		eS	10 50 11	T	0.3	11.7 (0)		
15	10 59 47.7		17.1 S 173.8 E FIJI ISLANDS REGION H =033 KM MAG 4.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	MV	eP	11 12 07.9	Z	1.1	7.9 (0)	82.0	4.66
		eLR	11 37 15	LZ	26	40.8 (1)		
15	MN	eP	11 12 17.4	Z	1.0	5.8 (0)	84.0	4.66
		eLR	11 38 45	LZ	25	55.3 (1)		
15	LC	eP	11 12 49.0	Z	0.9	1.7 (0)	91.0	4.35
		eP	11 12 50	LZ	13	77.3 (0)		
		e	11 21 13	Z	0.7	1.1 (0)		
		eSS	11 29 40	LR	22	84.2 (0)		
		e	11 36 50	LR	20	12.8 (1)		
		eLR	11 41 17	LZ	23	25.5 (1)		
		eL	11 42 15	LR	20	32.9 (1)		
		eL	11 42 15	LT	20	27.4 (1)		
		eL	11 42 15	LZ	21	35.4 (1)		
15	HW	eLR	11 21 35	LZ	24	16.2 (2)	47.0	
15	RK	eL	11 45 40	LT	26	98.7 (1)	104.0	
15	LV	eLR	11 48 10	LZ	25	18.8 (1)	102.0	
							AVG.	4.55

15 11 44 44.7 14.0 S 166.1 E SANTA CRUZ ISLANDS
H =030 KM MAG 4.30- CGS

15	HW	eLR	12 08 20	LZ	22	39.9 (1)	51.0	
15	MV	eLR	12 24 05	LZ	25	16.1 (1)	86.0	
15	MN	eLR	12 25 05	LZ	28	25.0 (1)	88.0	
15	LC	eLR	12 28 13	LZ	28	11.1 (1)	95.0	
15	HW	eP	12 23 15.5	Z	0.2	40.3 (0)	0.9	
		eS	12 23 28	R	0.2	28.5 (1)		

15 16 51 04.0 44.4 N 114.8 W CENTRAL IDAHO
H =033 KM MAG 4.10- CGS

15	MN	eP	16 52 57.2	Z	0.3	0.8 (0)	7.0	4.06
		eL	16 54 20	R	0.5	1.2 (0)		
15	DH	eP	16 58 49.0	Z	0.2	9.1 (0)	1.5	
		eS	16 59 10	T	0.2	15.4 (0)		

15 19 14 11.* 44.2 N 114.8 W CENTRAL IDAHO
H =033 KM MAG 3.70- CGS

15	LC	eP	19 57 53.7	Z	0.2	5.4 (0)	1.5	
		eS	19 58 13	T	0.3	10.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	MN	eP	20 02 46.8	Z	0.2	0.7 (0)	1.0	
		eS	20 03 01	R	0.3	3.5 (0)		
15	MN	eP	20 25 51.0	Z	0.2	3.9 (0)	1.7	
		eS	20 26 15	R	0.3	2.6 (0)		

15 20 29 50.* 25.2 N 141.0 E VOLCANO ISLANDS REGION
H =033 KM MAG 4.30- CGS

15	LC	eLR	21 19 50	LZ	23	10.3 (1)	94.0	

15 22 03 49.5 63.2 N 152.0 W CENTRAL ALASKA
H =122 KM MAG 3.90- CGS

15	HW	eLR	22 20 05	LZ	27	72.4 (1)	43.0	
15	MN	eP	22 26 47.5	Z	0.2	0.3 (0)	1.5	
		e	22 26 55	Z	0.4	2.8 (0)		
		eS	22 27 27	R	0.4	4.8 (0)		
15	LC	e	22 35 10	LR	24	69.1 (0)		
15	MV	eLR	22 35 42	LZ	25	20.2 (1)		
15	MN	eLR	22 37 13	LZ	27	33.6 (1)		
15	LC	eLR	22 40 15	LZ	24	10.9 (1)		
15	LV	eLR	22 46 40	LZ	28	16.7 (1)		
15	DH	eLR	22 58 50	LZ	22	19.4 (1)		

16 00 06 50.8 22.4 N 120.5 E SOUTHERN FORMOSA
H =033 KM MAG 4.80- CGS

16	NP	eP	00 18 29.9	JZ	1	10.3 (0)	75.0	4.74

16 01 49 13.7 10.2 S 165.3 E SANTA CRUZ ISLANDS
H =033 KM MAG 4.70- CGS

16	MV	eP	02 01 41.6	Z	1.0	6.3 (0)	84.0	4.70
16	MN	eP	02 01 52.5	Z	0.6	3.4 (0)	86.0	4.59
		eL	02 28 30	LZ	26	13.4 (0)		
16	LC	eP	02 02 30.0	Z	1.0	2.1 (0)	94.0	4.47
		eLQ	02 28 21	LR	31	22.2 (1)		
		eLR	02 32 33	LZ	25	12.5 (1)		
16	LV	eL	02 42 08	LZ	21	20.7 (1)	106.0	
16	DH	eL	02 48 55	LZ	24	25.1 (1)	119.0	
							AVG.	4.58

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	06 36 56.*		49.6 N 149.9 E SEA OF OKHOTSK H =430 KM MAG 3.60- CGS					
16	MV	eP	07 48 39.7	Z	1.1	5.9 (0)		
16	09 43 55.3		55.0 N 166.0 E KOMANDORSKIE IS. REGION H =033 KM MAG 4.70- CGS					
16	MV	eP	09 52 45.2	Z	0.8	2.8 (0)	50.0	4.24
16	MN	eP	09 53 03.1	Z	0.6	2.4 (0)	52.0	4.34
16	RK	eP	09 53 28.0	Z	0.7	10.8 (0)	55.0	4.99
16	LC	eP	09 54 19.5	Z	0.8	3.2 (0)	63.0	4.44
							AVG.	4.50
16	MN	eP	11 46 31.5	Z	0.2	0.7 (0)	0.6	
		eS	11 46 38	R	0.3	3.4 (0)		
16	12 06 15.9		44.2 N 114.7 W CENTRAL IDAHO H =033 KM MAG 4.20- CGS					
16	MN	eP	12 07 53.0	Z	0.4	0.5 (0)	6.0	3.55
		e	12 08 03	Z	1.0	4.9 (0)		
		eS	12 09 29	R	0.8	17.1 (0)		
16	MV	eP	12 08 19.1	Z	1.2	4.9 (0)	7.0	4.24
		eS	12 09 50	R	1.3	12.3 (0)		
							AVG.	3.89
16	RK	eP	13 13 31.5	Z	0.5	1.8 (0)		
16	15 11 52.*		52.8 N 171.0 W ANDREANOF ALEUTIAN ISLANDS H =140 KM MAG 4.20- CGS					
16	RK	eP	15 20 01.7	Z	0.7	9.6 (0)	47.0	4.57
16	LC	eP	15 20 32.5	Z	0.5	2.0 (0)	50.0	4.11
		eSCS	15 30 32	LR	24	11.0 (1)		
		eL	15 35 25	LT	22	23.4 (1)		
16	DH	eP	15 21 54.6	Z	0.7	14.6 (0)	61.0	5.00
16	MV	eL	15 26 57	LZ	20	15.0 (1)	36.0	
							AVG.	4.56
16	DH	eP	15 58 35.5	Z	0.3	42.0 (0)	1.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	15 58 59	R	0.4	63.6 (0)		
16	16 14 45.0		78.6 N 6.7 E SVALBARD REGION H =033 KM MAG 4.30- CGS					
16	NP	eP	16 19 48.5	JZ	1.1	14.2 (0)	23.0	4.34
16	RK	eL	16 34 55	LT	31	88.3 (1)	43.0	
16	DH	eL	16 38 45	LR	26	68.8 (1)	47.0	
16	LC	e	16 40 45	LR	25	15.0 (1)	63.0	
		eL	16 45 00	LR	32	45.1 (1)		
16	MV	eL	16 41 20	LR	41	35.0 (1)	59.0	
16	MN	eL	16 48 22	LZ	22	19.4 (0)	59.0	
16	LV	eL	16 49 20	LZ	21	51.8 (1)	60.0	
16	16 36 32.0		13.4 S 166.6 E NEW HEBRIDES ISLANDS H =028 KM MAG 4.40- CGS					
16	HW	eL	17 00 55	LZ	23	10.4 (1)	50.0	
16	MV	eL	17 16 40	LZ	24	14.4 (1)	85.0	
16	DH	eP	16 36 45.3	Z	0.4	33.8 (0)	2.8	
		eS	16 37 09	R	0.4	66.9 (0)		
16	17 15 34.5		43.2 N 126.8 W OFF COAST OF OREGON H =033 KM MAG 4.70- CGS					
16	20 05 21.9		13.4 S 166.5 E SANTA CRUZ ISLANDS H =028 KM MAG 5.00- CGS					
16	LC	e	20 19 35	LZ	15	21.5 (1)	94.0	
		ePP	20 22 45	LZ	16	19.0 (1)		
		ePPS	20 31 29	LR	24	39.9 (1)		
		eSS	20 36 41	LT	22	73.0 (1)		
		eL	20 48 35	LZ	28	81.6 (1)		
16	HW	eS	20 21 40	LR	22	51.4 (1)	50.0	
		eLR	20 28 10	LZ	25	20.0 (2)		
		eL	20 32 45	LR	19	41.0 (2)		
		eL	20 32 45	LT	18	62.4 (1)		
		eL	20 32 45	LZ	20	38.0 (3)		
16	MV	eSP	20 29 25	LZ	21	44.5 (1)	85.0	
		eLR	20 44 03	LZ	27	11.1 (2)		
		eL	20 51 55	LZ	18	31.0 (2)		
		eL	20 51 55	LR	18	98.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	20 51 55	LT	19	21.1 (2)		
16	MN	eSP	20 30 00	LZ	22	29.6 (0)	87.0	
		eSS	20 34 32	LT	24	33.2 (0)		
		eL	20 44 55	T	28.0	75.1 (4)		
16	LV	eLR	20 53 50	LZ	29	64.8 (1)	106.0	
16	RK	eL	20 57 25	LZ	30	62.1 (1)	106.0	
16	DH	eLR	21 03 35	LZ	28	95.1 (1)	120.0	
		eL	21 14 36	LR	18	24.3 (2)		
		eL	21 14 36	LT	19	58.1 (1)		
		eL	21 14 36	LZ	18	36.9 (2)		
16	LC	eP	20 09 30.0	Z	0.2	4.1 (0)	1.5	
		eS	20 09 49	T	0.3	6.6 (0)		
16	MN	eL	22 25 45	LZ	25	13.2 (0)		
16	MN	eP	22 42 53	Z	0.4	2.2 (0)	1.1	
		eS	22 43 08	R	0.3	3.4 (0)		
16	HW	eL	23 21 06	LZ	21	17.7 (1)		
16	MV	eP	23 21 20.3	Z	0.3	3.9 (0)	0.6	
		eS	23 21 29	R	0.4	6.6 (0)		
16	MV	eL	23 36 51	LZ	25	10.2 (1)		

17 00 22 59.* 50.2 N 129.3 W VANCOUVER ISLAND REGION
H =033 KM MAG 4.00- CGS

17	MN	eP	00 26 20.0	Z	0.9	4.9 (0)	14.0	4.14

17 00 43 33.2 25.1 S 67.6 W SALTA PROVINCE, ARGENTINA
H =033 KM MAG 4.20- CGS

17	MV	eP	01 25 44.3	Z	1.0	4.8 (0)		

17 02 22 49.1 15.3 S 72.6 W SOUTHERN PERU
H =143 KM MAG 3.50- CGS

17	MV	eP	03 20 41.0	Z	0.4	24.7 (0)	1.5	
		eS	03 21 00	R	0.4	24.7 (0)		
17	MN	eP	03 21 17.8	Z	0.4	0.5 (0)	5.1	
		eS	03 22 19	R	0.7	2.0 (0)		

17 03 48 10.* 12.6 N 87.1 W NICARAGUA
H =144 KM MAG 3.90- CGS

17	MN	eP	04 30 59.8	Z	0.7	0.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	LC	e	05 03 28	LZ	22	46.1 (1)		

17 05 36 17.1 44.3 N 114.8 W CENTRAL IDAHO
H =033 KM MAG 4.10- CGS

17	MN	eP	05 38 06.5	Z	0.8	0.9 (0)	6.0	3.48

17 05 54 33.7 10.6 S 78.2 W CENTRAL PERU
H =061 KM MAG 6.75- PAS

17	LV	eP	06 02 41.4	Z	1.5	30.1 (1)	44.0	5.80
		eP	06 02 43	LZ	13	15.0 (2)		
		eP AS	06 02 59.5	Z	1.4	24.3 (1)		5.74
		eL	06 16 45	LZ	33	33.1 (2)		
17	LC	eP	06 03 29.4	Z	1.2	74.1 (0)	51.0	5.55
		eP AS	06 03 48.0	Z	0.9	66.7 (0)		5.63
		eS	06 10 46	LR	25	11.2 (2)		
17	DH	eP	06 03 44.3	Z	1.0	22.8 (1)	53.0	6.12
		eP	06 03 46	LZ	19	80.7 (1)		
		eP AS	06 04 00.4	Z	0.8	67.6 (0)		5.68
		eS	06 11 10	LT	29	30.2 (2)		
		eLQ	06 17 20	LR	26	38.4 (2)		
		eLR	06 23 45	LZ	22	42.0 (2)		
17	MN	iP	06 04 46.4D	Z	1.2	81.0 (0)	61.0	5.66
		eP	06 04 47	LZ	18	39.6 (1)		
		eP AS	06 05 03.4	Z	1.0	47.0 (0)		5.51
		eS	06 13 08	LR	19	71.5 (1)		
		eSS	06 17 20	LR	31	13.5 (2)		
		eLQ	06 20 30	LT	24	15.0 (2)		
		eLR	06 25 07	LZ	36	32.3 (2)		
		eL	06 25 47	LR	35	26.1 (2)		
		eL	06 25 47	LT	29	11.1 (2)		
		eL	06 25 47	LZ	36	32.3 (2)		
		eP?P?	06 34 13	Z	1.0	1.6 (0)		
17	RK	eP	06 04 53.0	Z	0.9	10.6 (1)	62.0	5.94
		eP	06 04 55	LZ	19	89.5 (1)		
		eP AS	06 05 10.0	Z	0.9	12.5 (1)		6.02
		eS	06 13 19	LT	29	14.4 (2)		
		eL	06 23 20	LR	35	19.5 (2)		
17	MV	eP	06 05 05.0	Z	1.5	76.6 (0)	64.0	5.52
		eP	06 05 05	LZ	34	91.7 (1)		
		e	06 12 51	LZ	27	52.7 (1)		
		e	06 18 28	LZ	37	70.3 (1)		
		eLQ	06 21 45	LT	37	25.3 (2)		
		eL	06 26 18	LZ	35	25.5 (2)		
17	HW	eP	06 06 50	LZ	13	89.6 (1)	82.0	
		eLR	06 32 05	LZ	23	26.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	NP	eP	06 07 27.5	JZ	1.5	31.4 (1)	90.0	6.26
		e	06 07 47	JZ	.8	11.7 (1)		
							AS .	5.71
							AVG.	5.83
17	RK	eP	06 00 48.6	Z	0.9	30.3 (0)		
17	07 34 38.7		01.5 S 77.9 W ECUADOR H =178 KM MAG 4.00- CGS					
17	LC	eP	07 42 24.7	Z	0.8	4.0 (0)	43.0	4.05
		epP	07 43 03	Z	0.8	9.5 (0)		
		eSCP	07 47 47	Z	1.3	11.0 (0)		
17	DH	eP	07 42 27.7	Z	0.9	87.9 (0)	44.0	5.25
17	MN	eP	07 43 49.0	Z	1.0	1.6 (0)	54.0	3.69
		epP	07 44 26	Z	1.1	8.0 (0)		
17	NP	eP	07 46 35.3	JZ	.8	17.0 (0)	81.0	4.85
		epP	07 47 15	JZ	.8	9.7 (0)		
							AVG.	4.46
17	12 22 56.8		44.4 N 114.7 W CENTRAL IDAHO H =033 KM MAG 3.60- CGS					
17	MN	eP	16 10 11.1	Z	1.0	3.2 (0)		
17	LC	eP	16 38 48.9	Z	0.3	3.6 (0)	2.4	
		e	16 38 54	Z	0.3	6.5 (0)		
		eS	16 39 25	T	0.3	6.4 (0)		
17	19 20 08.2		10.1 S 165.3 E SANTA CRUZ ISLANDS H =017 KM MAG 7.50- BRK					
17	HW	eP	19 28 55.9	Z	1.2	59.1 (1)	49.0	6.47
		eP	19 28 56	LZ	999.9	99.9 (9)		
17	MV	eP	19 32 37.8	Z	1.0	24.4 (1)	84.0	6.33
		iP	19 32 37 D	LZ	999.9	99.9 (9)		
		ePP	19 35 39	Z	0.8	34.6 (0)		
		ePPP	19 38 06	Z	0.6	3.4 (0)		
		e	19 42 07	Z	0.5	3.0 (0)		
		eS	19 43 09	R	5.5	26.3 (2)		
17	MN	eP	19 32 48.6	Z	1.2	69.8 (0)	86.0	5.63
		eP	19 32 49	LZ	999.9	99.9 (9)		
		e	19 35 50	Z	1.0	42.1 (0)		
		ePP	19 36 11	Z	2.2	58.0 (1)		
		ePPP	19 38 15	Z	1.3	28.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	19 43 35	R	4.8	21.9 (2)		
		e	19 55 36	Z	7.0	25.8 (2)		
		e	19 59 01	Z	3.4	23.8 (1)		
		eL	19 59 50	Z	30.0	12.4 (4)		
17	LC	eP	19 33 25	LZ	999.9	99.9 (9)	94.0	
17	NP	eP	19 33 38.2	JZ	1.4	65.3 (1)	96.0	6.96
		e	19 36 39	JZ	2	19.0 (1)		
		eL	20 05 43	JZ	36	14.1 (4)		
17	RK	eP	19 34 14.6	Z	1.6	76.4 (0)	105.0	6.39
		eP	19 34 15	LZ	22	44.3 (2)		
		ePP	19 38 30	LZ	20	99.9 (9)		
		ePP	19 38 35	Z	2.0	27.7 (1)		
		eL	19 45 03	LR	19	26.2 (2)		
17	LV	ePD	19 34 25	LZ	17	39.8 (2)	106.0	
17	DH	ePD	19 35 20	LZ	20	19.3 (2)	119.0	
		ePP	19 40 11	LZ	23	69.6 (2)		
		ePPP	19 43 07	LZ	18	82.9 (2)		
		e	19 48 35	LZ	24	51.2 (2)		
		eL	20 19 40	Z	24.0	23.9 (4)		
							AVG.	6.35
17	19 57 40.3		10.1 S 165.0 E SANTA CRUZ ISLANDS H =036 KM MAG 4.80- CGS					
17	MV	eP	20 10 07.7	Z	1.0	8.1 (0)	84.0	4.80
		ePP	20 13 25	Z	0.7	12.9 (0)		
17	MN	eP	20 10 18.4	Z	0.9	8.7 (0)	86.0	4.81
		ePP	20 13 36	Z	1.1	30.0 (0)		
							AVG.	4.80
17	20 00 56.6		09.9 S 164.7 E SANTA CRUZ ISLANDS H =033 KM MAG 5.30- CGS					
17	20 32 58.1		43.4 S 74.7 W NEAR COAST OF SOUTH CHILE H =033 KM MAG 4.80- CGS					
17	MN	eP	21 08 45.5	Z	1.2	3.7 (0)		
17	21 13 28.*		06.7 S 105.3 E JAVA H =033 KM MAG 5.30- CGS					
17	22 28 29.6		10.2 S 165.1 E SANTA CRUZ ISLANDS H =033 KM MAG 5.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	MV	eP	22 40 58.2	Z	0.7	8.9 (0)	84.0	5.00
17	MN	eP	22 41 08.7	Z	1.5	38.1 (0)	86.0	5.23
							AVG.	5.11
17	22 33 49.8		10.0 S 164.9 E SANTA CRUZ ISLANDS H =033 KM MAG 4.70- CGS					
17	23 50 53.6		10.6 S 165.3 E SANTA CRUZ ISLANDS H =073 KM MAG 4.70- CGS					
18	00 16 07.8		44.3 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.70- CGS					
18	01 16 53.9		10.1 S 165.1 E SANTA CRUZ ISLANDS H =033 KM MAG 4.90- CGS					
18	MN	eP	01 29 32.1	Z	1.7	13.8 (0)	86.0	4.74
18	01 55 46.2		10.7 S 165.1 E SANTA CRUZ ISLANDS H =028 KM MAG 5.00- CGS					
18	MV	eP	02 08 17.1	Z	0.9	13.5 (0)	84.0	5.09
18	MN	eP	02 08 28.4	Z	1.0	18.2 (0)	86.0	5.10
		eL	02 33 50	LZ	36	31.5 (1)		
18	LC	eP	02 09 05.2	Z	1.0	5.6 (0)	94.0	4.88
18	DH	eL	02 55 44	LZ	24	13.3 (1)	119.0	
							AVG.	5.02
18	04 00 24.1		10.2 S 165.2 E SANTA CRUZ ISLANDS H =033 KM MAG 4.10- CGS					
18	04 45 08.3		44.9 N 111.6 W SOUTHWESTERN MONTANA H =033 KM MAG 3.10- CGS					
18	MV	eL	07 30 00	LZ	23	14.4 (1)		
18	MN	eL	07 31 04	LZ	21	11.5 (1)		
18	DH	eL	07 49 25	LZ	21	13.6 (1)		
18	08 02 21.1		10.3 S 165.6 E SANTA CRUZ ISLANDS H =033 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	MV	eP	08 14 47.8	Z	0.8	3.7 (0)	84.0	4.57
18	MN	eP	08 14 58.9	Z	1.0	4.9 (0)	86.0	4.53
							AVG.	4.55
18	LC	eP	09 02 24.0	Z	0.4	1.1 (0)		
18	09 14 36.1		14.8 S 167.4 E NEW HEBRIDES ISLANDS H =119 KM MAG 4.50- CGS					
18	15 42 02.7		38.5 N 57.2 E TURKMEN, S.S.R. H =033 KM MAG 5.10- CGS					
18	NP	eP	15 52 44.4	JZ	.6	5.9 (0)	66.0	4.89
18	MN	eP	16 53 07.2	Z	1.0	1.6 (0)		
18	16 58 12.5		40.9 N 29.2 E TURKEY H =033 KM MAG 6.25- PAS					
18	NP	eP	17 08 27.6	JZ	.9	22.2 (0)	61.0	5.26
		eP'P'	17 37 38	JZ	1.6	19.0 (0)		
18	DH	eP	17 09 39.3	Z	1.0	56.3 (0)	73.0	5.55
		eS	17 19 11	LR	19	29.4 (2)		
		eLQ	17 30 15	LR	31	57.1 (2)		
		eLR	17 36 45	LZ	25	48.6 (2)		
18	RK	eP	17 09 57.1	Z	0.8	18.6 (0)	76.0	5.16
		eP	17 09 59	LZ	18	45.4 (1)		
		eS	17 19 48	LT	20	29.2 (2)		
		e	17 28 07	LZ	26	29.2 (2)		
		eLQ	17 32 10	LT	38	78.3 (2)		
		eLR	17 35 01	LZ	39	47.1 (2)		
18	LV	eP	17 11 05.0	Z	1.0	27.1 (0)	89.0	5.40
		eL	17 44 05	LZ	25	29.8 (2)		
18	MN	eP	17 11 36.6	Z	0.9	1.9 (0)	96.0	4.62
		ePS	17 24 05	LR	24	14.3 (2)		
		eSS	17 29 35	LT	24	12.2 (2)		
		eLQ	17 41 41	LR	30	24.8 (2)		
		eLR	17 46 20	LZ	29	23.4 (2)		
18	LC	eP	17 11 40.0	Z	0.6	1.4 (0)	96.0	4.67
		eP	17 11 42	LZ	16	15.0 (1)		
		ePP	17 15 30	LZ	20	24.3 (1)		
		ePP	17 15 36	Z	1.5	16.7 (0)		
		ePPP	17 17 15	LZ	17	16.4 (1)		
		eS	17 22 11	LR	27	72.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	17 23 25	LT	20	10.2 (2)		
18	MV	eP	17 11 40.5	Z	1.1	11.8 (0)	96.0	5.33
		eS	17 23 07	LR	25	66.6 (1)		
		ePS	17 24 19	LT	25	15.4 (2)		
		eLQ	17 41 09	LR	30	13.8 (2)		
		eLR	17 45 54	LZ	28	27.5 (2)		
18	HW	ePP	17 18 34	LZ	19	38.2 (1)	119.0	
		ePPP	17 21 12	LZ	16	35.7 (1)		
		eSP	17 28 22	LZ	22	64.6 (1)		
		eL	17 39 35	LZ	22	64.6 (1)		
							AVG.	5.14

18 17 18 00.8 03.3 S 139.9 E WESTERN NEW GUINEA
H =090 KM MAG 5.80- CGS

18	MN	eP	18 21 04.7	Z	0.8	1.9 (0)		
18	LC	eP	18 32 07.5	Z	0.2	7.5 (0)	1.5	
		eS	18 32 26	T	0.2	14.6 (0)		
18	RK	eP	18 44 52.7	Z	0.6	2.0 (0)		
18	RK	eL	18 47 12	T	1.0	24.7 (0)		
18	LC	eP	19 19 59.0	Z	0.9	2.6 (0)		

18 20 37 52.1 03.8 S 134.7 E WESTERN NEW GUINEA
H =032 KM MAG 5.20- CGS

18 21 03 52.5 44.4 N 114.8 W CENTRAL IDAHO
H =033 KM MAG 3.80- CGS

18	LC	eP	21 04 05.2	Z	0.3	11.3 (0)	1.4	
		eS	21 04 25	R	0.3	11.3 (0)		

18 22 31 23.* 69.3 N 67.8 W BAFFIN ISLAND REGION
H =033 KM MAG 3.90- CGS

18	RK	eP	22 40 03.4	Z	0.5	1.8 (0)	22.0	3.73
		eL	22 42 27	T	1.0	59.4 (0)		

19 00 06 43.0 02.6 S 78.0 W ECUADOR
H =033 KM MAG 4.30- CGS

19	LC	eP	00 14 52.5	Z	0.9	5.2 (0)	44.0	4.26
19	RK	eP	00 16 07.5	Z	0.6	4.0 (0)	54.0	4.63

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	DH	eL	00 30 45	LZ	22	44.1 (1)	45.0	
							AVG.	4.44

19 03 02 07.8 44.5 N 114.7 W CENTRAL IDAHO
H =033 KM MAG 3.90- CGS

19 05 54 08.0 22.5 S 67.5 W BOLIVIA ARGENTINA CHILE
H =233 KM MAG 4.30- CGS

19	MN	eP	06 05 36.9	Z	1.0	2.4 (0)	79.0	3.92

19 08 59 40.6 22.0 S 179.6 W FIJI ISLANDS REGION
H =563 KM MAG 4.10- CGS

19 10 59 59.5 44.3 N 114.9 W CENTRAL IDAHO
H =033 KM MAG 3.40- CGS

19	MV	eL	11 35 00	LZ	25	65.5 (0)	
19	MN	eL	11 38 14	LZ	22	80.3 (0)	

19 16 31 15.0 31.0 N 66.8 E AFGHANISTAN PAKISTAN BRDR.
H =037 KM MAG 4.20- CGS

19 16 49 29.9 47.1 N 27.4 W NORTH ATLANTIC OCEAN
H =033 KM

19	RK	eP	16 57 21.8	Z	0.5	4.6 (0)	42.0	4.49
		eL	17 09 20	LZ	30	64.9 (1)		
19	NP	eP	16 57 46.7	JZ	.9	17.8 (0)	45.0	4.93
19	MN	eP	16 59 59.2	Z	1.0	3.3 (0)	64.0	4.42
		eL	17 20 14	LZ	35	49.7 (1)		
19	DH	e	17 01 26	LR	20	21.5 (1)	34.0	
		eLR	17 05 20	LZ	28	91.7 (2)		
19	LC	e	17 07 07	LR	16	55.7 (1)	60.0	
		eL	17 19 55	LR	24	31.7 (1)		
19	LV	eL	17 14 02	LZ	37	93.2 (1)	50.0	
19	MV	eL	17 19 40	LR	31	17.1 (1)	65.0	
							AVG.	4.61

19	LC	eP	17 05 51.5	Z	0.7	3.3 (0)	6.0	
		eS	17 07 05	R	0.7	7.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	NP	eP	18 19 41.7	JZ	.5	4.8 (0)		
19	18 55 57.8		19.7 S 177.7 W FIJI ISLANDS REGION H =536 KM MAG 3.50- CGS					
19	19 29 17.0		15.2 S 167.6 E NEW HEBRIDES ISLANDS H =161 KM MAG 4.30- CGS					
19	MV	eP	19 41 38.1	Z	1.0	3.2 (0)	85.0	4.08
19	MN	eP	19 41 48.2	Z	1.1	3.0 (0)	87.0	4.12
		e	19 42 27	Z	1.1	4.1 (0)		
							AVG.	4.10
19	DH	eP	19 48 25.9	Z	999.9	99.9 (9)		
19	LC	eP	20 15 46.2	Z	0.3	4.0 (0)	3.0	
		eS	20 16 24	T	0.3	10.6 (0)		
19	LC	eP	20 41 03.4	Z	0.2	6.5 (0)	1.5	
		eS	20 41 22	T	0.2	8.0 (0)		
19	21 10 18.*		18.1 S 69.3 W CHILE BOLIVIA PERU BORDER H =174 KM MAG 4.20- CGS					
19	23 57 58.*		00.2 N 124.0 E NORTHERN CELEBES H =122 KM MAG 5.60- CGS					
20	02 21 29.1		17.4 S 69.6 W PERU BOLIVIA CHILE BORDER H =154 KM MAG 3.70- CGS					
20	LV	eL	02 56 15	LZ	15	48.6 (1)	54.0	
20	03 03 32.9		76.5 N 7.9 E SVALBARD REGION H =033 KM MAG 4.70- CGS					
20	RK	eP	03 11 44.8	Z	0.8	5.8 (0)	44.0	4.36
		eL	03 24 40	LZ	35	52.6 (1)		
20	LC	eP	03 14 05.0	Z	0.7	7.2 (0)	64.0	4.91
		eL	03 34 00	LZ	45	27.4 (1)		
20	MV	eL	03 32 15	LZ	39	22.0 (1)	60.0	
20	MN	eL	03 32 30	LZ	30	18.6 (1)	60.0	
20	DH	eL	03 32 51	LT	35	49.5 (1)	48.0	
							AVG.	4.63

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	04 00 36.1		11.3 S 77.6 W NEAR COAST OF PERU H =033 KM MAG 4.50- CGS					
20	LC	eP	04 09 41.5	Z	0.9	7.5 (0)	52.0	4.65
20	LC	eP	04 07 25.3	Z	1.0	6.0 (0)		
20	07 25 11.8		21.5 S 68.3 W BOLIVIA CHILE BORDER H =125 KM MAG 4.70- CGS					
20	LC	eP	07 35 39.3	Z	1.1	9.0 (0)	65.0	4.56
20	DH	eP	07 35 43.3	Z	0.6	7.7 (0)	64.0	4.76
20	RK	eP	07 36 41.2	Z	1.0	19.6 (0)	75.0	4.86
20	MN	eP	07 36 45.7	Z	1.0	10.7 (0)	76.0	4.60
20	MV	eP	07 36 57.9	Z	1.1	5.9 (0)	78.0	4.30
							AVG.	4.61
20	RK	eP	09 53 45.3	Z	0.9	3.7 (0)		
20	11 09 38.8		44.3 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.80- CGS					
20	11 41 22.0		44.4 N 114.7 W CENTRAL IDAHO H =033 KM MAG 3.70- CGS					
20	14 41 22.6		21.5 S 68.0 W CHILE BOLIVIA BORDER H =155 KM MAG 4.80- CGS					
20	LC	eP	14 51 47.5	Z	1.4	17.4 (0)	65.0	4.68
		epP	14 52 18	Z	1.5	50.2 (0)		
		epPCP	14 52 53	Z	1.5	25.1 (0)		
20	RK	eP	14 52 50.2	Z	0.8	11.6 (0)	75.0	4.70
		epP	14 53 23	Z	1.3	94.2 (0)		
20	MN	eP	14 52 54.4	Z	0.9	7.6 (0)	76.0	4.47
		epP	14 53 25	Z	1.4	23.7 (0)		
20	MV	eP	14 53 07.1	Z	1.2	7.4 (0)	78.0	4.33
		epP	14 53 38	Z	2.0	40.3 (0)		
							AVG.	4.54
20	19 02 15.5		01.6 N 127.1 E MOLUCCA SEA H =097 KM MAG 5.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	RK	eP	19 06 53.6	Z	0.9	5.6 (0)		
20	LV	eL	21 58 20	LZ	28	61.3 (1)		
20	22 11 32.2		17.8 S 68.8 W PERU BOLIVIA BORDER H =171 KM MAG 5.10- CGS					
20	DH	eP	22 21 22.3	Z	0.9	21.4 (0)	60.0	4.99
		eL	22 40 55	LR	20	45.2 (1)		
20	LC	eP	22 21 34.0	Z	0.7	9.7 (0)	62.0	4.72
		eP	22 21 34	LZ	12	20.1 (1)		
		epP	22 22 11	Z	1.2	22.5 (0)		
		ePP	22 24 25	LZ	15	12.9 (1)		
		eS	22 29 40	LT	22	39.1 (1)		
		e	22 37 40	LT	25	10.2 (2)		
		eL	22 39 00	LT	26	32.2 (1)		
20	MN	eP	22 22 43.5	Z	0.9	24.2 (0)	73.0	4.95
		epP	22 23 21	Z	1.3	44.7 (0)		
20	MV	eP	22 22 56.5	Z	1.0	9.6 (0)	75.0	4.51
		epP	22 23 35	Z	1.6	50.0 (0)		
		eS	22 32 24	LT	21	60.1 (1)		
		ePS	22 33 29	LT	16	78.5 (1)		
		eL	22 38 09	LR	29	25.2 (1)		
20	HW	eL	22 55 00	LZ	21	33.8 (1)	93.0	
							AVG.	4.79
20	MN	eP	22 22 08.3	Z	0.7	7.4 (0)		
20	RK	eP	22 31 41.6	Z	1.2	30.1 (0)		
21	00 41 56.6		37.1 N 95.4 E TSINGHAI PROVINCE, CHINA H =033 KM MAG 4.60- CGS					
21	LC	eL	01 44 20	LZ	27	51.1 (0)	108.0	
21	LV	eL	01 44 47	LZ	20	12.6 (1)	111.0	
21	03 55 26.6		00.0 119.7 E NORTHERN CELEBES H =047 KM MAG 4.40- CGS					
21	HW	eL	04 38 20	LZ	29	19.3 (1)	85.0	
21	LC	eL	04 54 00	LZ	25	36.8 (0)	126.0	
21	04 32 43.5		37.2 N 121.7 W SANTA CLARA COUNTY, CALIF. H =014 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	MV	eP	04 33 17.6	Z	0.4	23.3 (0)	2.0	
21	MN	eP	04 33 33.4	Z	0.5	2.5 (0)	3.1	3.50
		e	04 33 38	Z	0.5	5.0 (0)		
		eL	04 34 12	R	0.5	12.8 (0)		
21	MN	eL	04 34 21	LR	17	36.9 (1)		
21	MN	eP	05 06 48.5	Z	0.6	0.6 (0)		
21	MN	e	05 06 56	Z	0.6	5.9 (0)		
21	MN	eL	05 07 39	T	0.7	5.0 (0)		
21	09 17 25.3		40.4 N 140.0 E EAST COAST HONSHU, JAPAN H =179 KM MAG 4.40- CGS					
21	09 58 59.5		44.3 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.90- CGS					
21	MN	eP	10 00 46.6	Z	0.7	0.8 (0)	6.0	3.47
		eL	10 02 17	R	0.9	1.9 (0)		
21	MN	eP	10 49 20.0	Z	999.9	99.9 (9)		
21	MV	eP	10 49 46.9	Z	0.4	99.9 (9)	2.3	
		eS	10 50 16	R	0.4	30.6 (0)		
21	12 29 25.8		43.7 N 114.7 W CENTRAL IDAHO H =033 KM MAG 3.50- CGS					
21	RK	eP	13 35 29.3	Z	0.2	1.5 (0)	2.3	
		eS	13 35 59	R	0.2	28.4 (0)		
21	16 24 24.1		19.2 N 155.5 W HAWAII ISLAND, HAWAII H =005 KM MAG 4.60- CGS					
21	HW	eP	16 24 38.7	Z	999.9	99.9 (9)	0.8	
21	MV	eP	16 31 25.0	Z	1.0	6.4 (0)	36.0	4.41
21	MN	eP	16 31 42.1	Z	1.3	9.5 (0)	38.0	4.37
21	LC	eP	16 32 48.2	Z	0.7	6.0 (0)	46.0	4.72
		eL	16 45 25	LZ	26	74.4 (0)		
21	LV	eL	16 52 02	LZ	29	91.6 (0)	58.0	
							AVG.	4.50
21	16 28 04.7		23.0 S 179.8 E FIJI ISLANDS H =483 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	HW	eP	16 36 08.7	Z	999.9	99.9 (9)	49.0	
21	MN	eP	16 39 45.6	Z	1.0	6.6 (0)	84.0	4.23
21	LC	eP	16 40 09.0	Z	0.8	7.1 (0)	89.0	4.55
							AVG.	4.39
21	HW	eP	16 50 11.8	Z	0.3	10.6 (1)	0.6	
		eS	16 50 20	R	0.3	27.7 (1)		
21	16 53 28.2		54.9 N 161.5 E NEAR EAST COAST KAMCHATKA H =033 KM MAG 4.50- CGS					
21	MN	eP	17 02 54.6	Z	0.8	3.4 (0)	54.0	4.43
21	HW	eL	17 15 51	LZ	23	17.1 (1)	47.0	
21	LC	eL	17 25 55	LZ	28	53.4 (0)	65.0	
21	18 23 32.2		24.2 N 125.1 E RYUKYU ISLANDS H =033 KM MAG 4.30- CGS					
21	DH	eP	18 26 37.1	Z	0.6	11.7 (0)		
21	HW	eP	21 51 20.2	Z	0.7	49.2 (0)		
22	00 50 37.8		44.3 N 114.8 W CENTRAL IDAHO H =033 KM MAG 4.20- CGS					
22	MN	eP	00 52 13.5	Z	0.7	1.2 (0)	6.0	3.65
		e	00 52 29	Z	0.9	10.2 (0)		
		eS	00 53 52	R	0.9	29.2 (0)		
22	MV	eP	00 52 22.2	Z	0.8	0.9 (0)	7.0	3.71
		e	00 52 39	Z	0.8	1.9 (0)		
		eL	00 54 08	R	0.9	5.0 (0)		
							AVG.	3.68
22	00 56 14.*		44.5 N 114.7 W CENTRAL IDAHO H =033 KM MAG 4.20- CGS					
22	MN	eP	02 10 18.5	Z	1.2	7.6 (0)		
22	02 16 08.6		16.3 S 178.5 E FIJI ISLANDS H =033 KM MAG 4.80- CGS					
22	LC	eP	02 28 50.5	Z	1.5	7.1 (0)	86.0	4.50

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	02 55 35	LZ	30	16.1 (1)		
22	HW	eL	02 36 32	LZ	25	48.2 (1)	44.0	
22	MV	eL	02 51 57	LZ	29	23.3 (1)	79.0	
22	02 49 03.4		52.5 N 174.9 W ANDREANOF ALEUTIAN ISLANDS H =105 KM MAG 4.80- CGS					
22	NP	eP	02 55 19.3	JZ	1.2	35.8 (0)	32.0	4.97
		epP	02 55 48	JZ	1.2	35.8 (0)		
22	MV	eP	02 56 18.5	Z	0.8	1.9 (0)	39.0	4.06
		ePCP	02 58 27	Z	1.0	8.1 (0)		
		epPCP	02 58 56	Z	1.0	6.5 (0)		
22	MN	eP	02 56 39.1	Z	0.5	2.5 (0)	41.0	4.28
22	LC	eP	02 58 04.6	Z	1.0	20.5 (0)	52.0	5.08
		epP	02 58 31	Z	1.2	18.5 (0)		
							AVG.	4.59
22	02 56 24.3		19.3 S 175.9 E FIJI ISLANDS REGION H =028 KM MAG 5.80- CGS					
22	HW	eP	03 05 02.2	Z	1.0	14.2 (1)	48.0	5.97
		eP	03 05 03	LZ	14	12.9 (2)		
		e	03 12 05	LZ	23	18.8 (2)		
		eLR	03 18 30	LZ	29	50.1 (2)		
22	MV	eP	03 08 46.6	Z	1.2	65.1 (0)	83.0	5.65
		eP	03 08 48	LZ	12	15.9 (2)		
		eLR	03 34 20	LZ	25	27.1 (2)		
		eL	03 36 50	LT	23	28.4 (2)		
		eL	03 36 50	LR	22	72.8 (1)		
		eL	03 36 50	LZ	22	36.9 (2)		
22	LC	eP	03 09 24.5	Z	1.2	48.3 (0)	90.0	5.57
		eP	03 09 25	LZ	15	58.2 (1)		
		e	03 14 00	LZ	14	73.0 (1)		
		eSKS	03 20 09	LT	20	12.2 (2)		
		ePS	03 21 30	LT	20	97.2 (1)		
		e	03 24 00	LR	23	57.8 (1)		
		eSS	03 26 06	LT	27	11.3 (2)		
		eLQ	03 33 20	LT	23	13.4 (2)		
		eLR	03 37 15	LZ	32	99.9 (9)		
22	LV	eP	03 10 16	LZ	12	77.7 (1)	102.0	
		eSP	03 23 40	LZ	17	11.6 (2)		
		eLR	03 43 25	LZ	35	35.9 (2)		
22	DH	eSP	03 26 04	LZ	20	83.4 (1)	117.0	
		eSS	03 32 48	LR	29	11.9 (2)		
		eLQ	03 45 40	LT	40	78.9 (1)		
		eLR	03 50 14	LR	18	24.5 (1)		
		eL	03 58 00	LZ	21	48.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	03 58 00	LR	22	30.8 (2)		
		eL	03 58 00	LT	22	80.5 (1)		
22	MN	eL	03 34 40	LZ	999.9	99.9 (9)	84.0	
22	RK	eL	03 45 25	LZ	40	12.6 (2)	105.0	
		eLR	03 47 25	LZ	26	11.1 (2)		
							AVG.	5.73
22	MV	eP	03 02 02.8	Z	0.9	6.2 (0)		
22	MN	eP	03 02 13.2	Z	1.0	3.3 (0)		
22	03 28 54.0		36.1 N 71.5 E HINDU KUSH H =147 KM					
22	04 37 15.3		43.3 N 111.4 W SOUTHEASTERN IDAHO H =033 KM					
22	LC	eL	05 13 25	LZ	29	65.4 (1)		
22	MV	eL	05 28 20	LZ	21	33.9 (1)		
22	06 00 11.0		17.8 S 168.0 E NEW HEBRIDES IS. REGION H =033 KM MAG 4.10- CGS					
22	06 30 03.5		44.3 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.60- CGS					
22	MN	eP	06 31 46.0	Z	0.5	0.9 (0)	6.0	3.67
		e	06 32 57	Z	0.7	4.1 (0)		
		eS	06 33 22	T	0.6	5.8 (0)		
22	MV	eP	06 32 04.8	Z	0.7	0.8 (0)	7.0	3.69
		eL	06 33 38	R	0.9	3.7 (0)		
							AVG.	3.68
22	MN	eP	08 08 55.5	Z	1.2	99.9 (9)		
22	08 58 10.5		43.3 N 111.5 W SOUTHEASTERN IDAHO H =033 KM					
22	09 37 00.*		22.7 S 65.7 W JUJUY PROVINCE, ARGENTINA H =203 KM MAG 3.80- CGS					
22	LC	eP	09 51 29.7	Z	0.9	1.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	09 56 42.8		43.4 N 111.5 W SOUTHEASTERN IDAHO H =033 KM MAG 3.70- CGS					
22	10 40 55.8		29.3 N 55.3 E SOUTHERN IRAN H =033 KM MAG 4.70- CGS					
22	NP	eP	10 52 33.2	JZ	.8	14.6 (0)	75.0	4.99
22	11 23 05.2		05.2 S 150.6 E NEW BRITAIN REGION H =045 KM MAG 5.20- CGS					
22	MV	eL	12 10 48	LZ	20	64.3 (0)	92.0	
22	14 55 03.3		44.4 N 114.9 W CENTRAL IDAHO H =033 KM MAG 4.10- CGS					
22	MN	eL	15 00 40	LZ	999.9	99.9 (9)	6.0	
22	15 41 21.0		44.4 N 114.8 W CENTRAL IDAHO H =033 KM MAG 4.00- CGS					
22	MV	eP	15 59 18.3	Z	0.7	0.8 (0)	4.9	3.16
		eL	16 00 55	LZ	18	13.5 (2)		
22	15 58 06.1		41.9 N 126.7 W OFF COAST NORTH CALIFORNIA H =033 KM MAG 4.30- CGS					
22	MN	eP	15 59 57.6	Z	0.6	1.0 (0)	7.0	3.87
22	LC	eP	16 02 27.2	Z	0.8	1.4 (0)	19.0	3.28
		eL	16 07 55	LZ	30	34.6 (1)		
22	NP	eP	16 04 53.2	JZ	.7	4.0 (0)	35.0	4.45
							AVG.	3.86
22	HW	eP	16 26 27.2	Z	0.3	17.0 (1)		
22	17 06 07.0		43.3 N 111.2 W SOUTHEASTERN IDAHO H =033 KM MAG 3.90- CGS					
22	19 21 57.1		19.2 S 175.9 E TONGA ISLANDS REGION H =024 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
				Z	0.9	73.2 (0)	48.0	5.73
22	HW	eP	19 30 35.9	LZ	12	55.6 (1)		
		eP	19 30 39	LZ	28	10.4 (2)		
		eL	19 44 10	Z	1.4	11.2 (1)	83.0	5.83
22	MV	eP	19 34 19.8	Z	1.6	54.4 (0)	84.0	5.45
22	MN	eP	19 34 29.0	Z	1.3	83.6 (0)	90.0	5.78
22	LC	eP	19 34 57.9	LZ	14	26.0 (1)		
		eP	19 35 00	LZ	21	48.7 (1)		
		eS	19 45 57	LT	27	51.9 (1)		
		eSS	19 51 51	LT	25	63.9 (1)		
		eLQ	19 58 50	LT	30	58.8 (1)		
		eLR	20 03 20	LZ	21	56.0 (1)		
		eL	20 06 10	LT	22	45.2 (1)		
		eL	20 06 10	LR	21	76.1 (1)		
		eL	20 06 10	LZ	1	7.5 (0)	103.0	5.39
		eL	20 06 10	JZ			AVG.	5.63
22	NP	eP	19 35 51.0					

22 19 28 42.2 10.3 S 165.1 E SANTA CRUZ ISLANDS
H =033 KM MAG 4.70- CGS

				Z	1.4	15.5 (0)	84.0	4.94
22	MV	eP	19 41 10.0	LZ	25	30.8 (1)		
		eL	20 01 00	Z	1.1	8.2 (0)	86.0	4.70
22	MN	eP	19 41 20.7				AVG.	4.82

22 20 33 47.7 62.9 N 148.8 W CENTRAL ALASKA
H =053 KM MAG 4.00- CGS

22 NP eP 20 37 38.5 JZ .6 2.3 (0) 17.0 3.54

22 21 13 35.6 44.3 N 114.6 W CENTRAL IDAHO
H =033 KM MAG 3.90- CGS

22	MN	eP	21 15 12.5	Z	0.5	0.6 (0)	6.0	3.50
		e	21 15 27	Z	0.9	10.2 (0)		
		eS	21 16 52	R	0.5	8.1 (0)		
22	MV	eP	21 15 35.8	Z	1.0	3.2 (0)	7.0	4.14
		eS	21 17 15	R	0.9	3.7 (0)		
							AVG.	3.82

22 21 30 56.7 43.3 N 111.6 W SOUTHEASTERN IDAHO
H =033 KM

22 21 32 17.1 43.2 N 111.3 W SOUTHEASTERN IDAHO
H =033 KM MAG 3.40- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	LC	eL	21 39 05	LZ	30	14.7 (1)	11.0	
22	22 32 10.0		37.5 N 20.6 E IONIAN SEA H =033 KM MAG 4.60- CGS					
22	NP	eP	22 42 40.7	JZ	.7	4.5 (0)	64.0	4.71
22	22 36 24.*		42.0 N 126.5 W OFF COAST NORTH CALIFORNIA H =033 KM MAG 4.30- CGS					
22	MV	eL	22 39 19	LZ	16	71.5 (1)	4.8	
22	LC	eL	22 46 15	LZ	25	11.8 (1)	18.0	
22	LC	eP	22 38 30.5	Z	0.5	0.9 (0)		
22	LC	eL	22 40 33	R	0.7	2.4 (0)		
22	LC	eL	22 40 34	LR	16	43.5 (1)		
23	00 28 55.9		19.0 S 169.7 E NEW HEBRIDES ISLANDS H =217 KM MAG 4.10- CGS					
23	01 30 32.8		43.2 N 111.2 W SOUTHEASTERN IDAHO H =033 KM MAG 3.50- CGS					
23	05 37 46.5		07.3 S 122.1 E FLORES SEA H =543 KM MAG 5.00- CGS					
23	06 40 36.5		16.6 S 28.6 E NORTHERN RHODESIA H =033 KM MAG 5.50- CGS					
23	MN	eP'1	07 00 08.0	Z	0.9	16.6 (0)	144.0	
		eSKKP	07 12 08	Z	0.8	0.9 (0)		
		e	07 12 16	Z	0.9	2.5 (0)		
		eL	07 51 22	LZ	34	66.6 (1)		
23	MV	eP'1	07 00 13.0	Z	1.1	24.2 (0)	145.0	
		eL	07 49 35	LZ	45	57.9 (1)		
23	DH	eL	07 34 45	LZ	30	86.8 (1)	110.0	
23	LV	eL	07 39 53	LZ	30	27.0 (1)	124.0	
23	RK	eL	07 39 55	LZ	34	86.9 (1)	123.0	
23	LC	eL	07 43 50	LZ	40	33.3 (1)	137.0	
23	LC	eP	07 10 26.9	Z	0.6	1.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23			08 10 35.4 16.7 S 28.7 E NORTHERN RHODESIA H =033 KM					
23	MN	eP'1	08 30 08.0	Z	0.9	6.3 (0)	146.0	
23			09 01 56.8 16.6 S 28.8 E NORTHERN RHODESIA H =033 KM MAG 5.80- CGS					
23	NP	eP'	09 20 41.6	JZ	.8	5.6 (0)	118.0	
23	RK	eP'	09 20 51.0	Z	0.8	7.3 (0)	123.0	
23	LC	eP'	09 21 15.0	Z	0.7	3.0 (0)	137.0	
		eP'	09 21 15	LZ	13	19.7 (1)		
		ePP	09 23 55	LZ	20	10.6 (1)		
		eSKP	09 24 52	LZ	20	42.7 (1)		
		eSKKS	09 31 04	LR	17	19.3 (1)		
		ePS	09 34 23	LR	20	28.6 (1)		
		ePPS	09 36 10	LR	19	33.2 (1)		
		e	09 37 10	LR	22	70.2 (1)		
		eSS	09 42 30	LR	32	62.3 (1)		
		e	09 51 00	LR	27	76.4 (1)		
		eL	09 55 15	LZ	23	18.1 (1)		
23	MN	eP'1	09 21 28.0	Z	1.0	66.4 (0)	144.0	
		eP'1	09 21 30	LZ	17	23.6 (1)		
		e	09 36 15	LZ	18	97.9 (0)		
		eL	10 12 36	LZ	33	25.1 (2)		
23	MV	eP'1	09 21 33.0	Z	1.0	40.8 (0)	146.0	
		eP'1	09 21 35	LZ	13	10.8 (2)		
		ePP	09 24 45	LZ	20	0.2 (0)		
		eSPP	09 37 10	LZ	16	30.5 (1)		
		e	09 38 37	LZ	14	43.9 (1)		
		eL	10 11 20	LZ	45	25.4 (2)		
		eL	10 25 05	LT	22	24.4 (2)		
		eL	10 25 05	LR	21	70.1 (1)		
		eL	10 25 05	LZ	22	30.1 (2)		
23	LV	ePP	09 22 39	LZ	14	39.9 (1)	124.0	
		eL	10 00 00	LZ	24	98.1 (1)		
23	HW	ePP	09 27 37	LZ	17	47.3 (1)	175.0	
		eSSP	09 50 38	LZ	20	21.2 (1)		
		eL	10 27 25	LZ	29	10.4 (2)		
23	DH	ePP	09 31 39	LZ	20	87.3 (3)	111.0	
		eSSS	09 40 55	LR	24	10.6 (2)		
		eL	09 55 50	LZ	29	26.6 (2)		
		eL	09 58 36	LR	25	28.4 (2)		
		eL	09 58 36	LT	20	71.0 (1)		
		eL	09 58 36	LZ	24	36.4 (2)		
23			09 58 46.0 05.6 S 153.8 E NEW BRITAIN H =080 KM MAG 5.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	MN	eP	10 11 52.5	Z	1.0	1.6 (0)	92.0	4.32
23	RK	eL	10 59 50	LZ	32	22.6 (2)	108.0	
		eL	11 03 15	LZ	22	36.7 (1)		
23	MN	eP	10 06 00.7	Z	0.9	1.2 (0)		
23			10 21 05.7 44.4 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.60- CGS					
23			10 36 57.* 21.6 S 68.3 W CHILE BOLIVIA BORDER H =033 KM MAG 4.30- CGS					
23			12 17 10.5 44.4 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.90- CGS					
23	MN	eP	12 52 11.5	Z	0.9	1.2 (0)		
23	MN	eP	13 43 15.2	Z	0.8	0.9 (0)		
23			14 41 51.5 33.7 N 117.0 W RIVERSIDE CTY., CALIFORNIA H =014 KM MAG 4.75-5.00 PAS					
23	MN	eP	14 43 06.1	Z	1.2	99.9 (9)	4.8	
		eP	14 43 15	LZ	20	26.9 (1)		
		eL	14 44 11	LR	21	99.9 (9)		
		eL	14 49 21	T	2.0	13.7 (1)		
23	MV	eP	14 43 28.5	Z	0.6	6.8 (0)	6.0	4.57
		e	14 43 49	R	0.6	39.0 (0)		
		eS	14 45 00	LR	21	24.6 (2)		
		eS	14 45 12	T	0.6	99.9 (9)		
		eL	14 45 17	LZ	16	29.9 (2)		
23	LC	eP	14 43 58.2	Z	0.4	16.9 (0)	8.0	5.54
		eL	14 46 31	R	0.4	29.8 (0)		
23	RK	eP	14 47 10.0	Z	0.8	38.4 (0)	24.0	4.96
23	NP	eP	14 49 49.5	JZ	.8	2.8 (0)	43.0	4.04
		e	14 49 54	JZ	.9	9.8 (0)		
23	LV	e	14 50 45	LZ	15	42.9 (1)	21.0	
		eL	14 53 58	LZ	19	58.3 (1)		
							AVG.	4.77

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	15 02 23.3		16.7 S 28.4 E NORTHERN RHODESIA H =033 KM					
23	MN	eP°1	15 21 56.0	Z	0.8	21.6 (0)	144.0	
23	MV	eP°1	15 22 00.0	Z	0.6	8.2 (0)	145.0	
23	MN	eP	16 27 08.7	Z	0.7	4.9 (0)		
23	RK	eP	16 27 40.2	Z	0.7	4.9 (0)		
23	17 02 36.6		51.3 N 179.2 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 5.20- CGS					
23	NP	eP	17 09 18.0	JZ	.7	11.5 (0)	34.0	4.88
		ePCP	17 11 55	JZ	1	25.4 (0)		
23	MV	eP	17 10 23.5	Z	0.6	2.0 (0)	47.0	4.33
		e	17 16 42	LZ	18	19.1 (1)		
23	MN	eP	17 10 43.1	Z	1.0	3.3 (0)	44.0	4.02
		eS	17 17 20	LR	20	27.6 (1)		
		eLQ	17 20 40	LT	24	48.1 (1)		
		eLR	17 23 45	LZ	26	81.2 (1)		
23	RK	eP	17 11 33.5	Z	0.7	8.7 (0)	51.0	4.82
23	LC	eP	17 12 07.1	Z	1.1	42.4 (0)	55.0	5.38
		eP	17 12 08	LZ	14	10.6 (1)		
		eS	17 19 48	LR	19	23.2 (1)		
		eSS	17 23 45	LR	22	37.4 (1)		
		eLQ	17 27 22	LT	32	70.3 (1)		
		eLR	17 29 31	LZ	27	36.7 (1)		
23	DH	eP	17 13 21.0	Z	0.8	41.5 (0)	66.0	5.61
23	HW	e	17 15 25	LZ	20	35.4 (1)	36.0	
		eL	17 19 05	LZ	23	15.1 (2)		
23	LV	eL	17 36 05	LZ	24	23.1 (1)	64.0	
							AVG.	4.84
23	MN	eP	17 03 47.4	Z	0.9	3.8 (0)		
23	18 33 47.4		29.6 N 50.9 E PERSIAN GULF H =039 KM MAG 4.70- CGS					
23	NP	eP	18 45 22.0	JZ	1.1	8.5 (0)	74.0	4.61
23	RK	eP	20 23 23.7	Z	0.9	21.1 (0)		
23	21 11 28.6		16.1 S 71.9 W SOUTHERN PERU H =126 KM MAG 3.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	22 23 37.7		16.6 S 28.7 E NORTHERN RHODESIA H =033 KM MAG 5.50- CGS					
23	MN	eP°1	22 43 10.0	Z	1.0	21.5 (0)	144.0	
		e	22 55 49	Z	0.9	7.6 (0)		
23	DH	eP	22 55 41.2	Z	0.7	9.9 (0)		
23	23 14 43.1		16.1 S 174.8 W TONGA ISLANDS H =252 KM MAG 4.00- CGS					
24	02 10 44.9		41.0 N 29.0 E TURKEY H =033 KM MAG 4.60- CGS					
24	NP	eP	02 20 59.7	JZ	.8	4.3 (0)	61.0	4.60
24	DH	eL	02 46 45	LT	30	28.6 (1)	72.0	
24	LC	eLQ	02 56 59	LR	30	22.8 (1)	96.0	
		eLR	03 02 52	LZ	27	11.7 (1)		
24	LV	eL	02 57 40	LZ	25	15.6 (1)	89.0	
24	MV	eL	03 01 04	LR	26	79.2 (0)	96.0	
24	MN	eL	03 05 35	LZ	25	15.0 (1)	95.0	
24	05 33 31.0		17.8 N 100.9 W OFF COAST GUERRERO, MEXICO H =033 KM MAG 4.20- CGS					
24	LC	eP	05 37 08.0	Z	1.2	5.5 (0)	15.0	3.86
		e	05 37 13	Z	0.7	11.4 (0)		
		eL	05 41 51	LZ	26	16.4 (1)		
24	MN	eP	05 38 58.8	Z	0.7	13.2 (0)	25.0	4.67
							AVG.	4.26
24	06 31 50.5		44.8 N 111.0 W YELLOWSTONE PARK, WYOMING H =033 KM MAG 3.10- CGS					
24	MN	eL	06 36 28	LR	14	27.4 (1)	9.0	
24	06 35 52.1		44.9 N 111.0 W YELLOWSTONE PARK, WYOMING H =033 KM MAG 4.70- CGS					
24	MN	eP	06 38 13.7	Z	0.5	1.8 (0)	10.0	4.64

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	06 40 27	LR	17	29.1 (1)		
		eL	06 41 45	LZ	22	76.6 (0)		
24			07 12 40.*	17.4 N 105.6 W	OFF COAST JALISCO, MEXICO			
			H =033 KM MAG	4.00-	CGS			
24	LC	eP	07 16 10.8	Z	1.2	7.4 (0)	15.0	3.99
		eL	07 20 29	LZ	17	42.7 (1)		
24			07 55 41.4	15.8 S 13.3 W	ATLANTIC OCEAN			
			H =033 KM MAG	5.20-	CGS			
24	DH	eL	08 33 30	LR	26	40.0 (1)	81.0	
24	LC	eL	08 45 00	LZ	30	14.7 (1)	101.0	
24	MN	eL	08 50 12	LZ	30	22.9 (1)	111.0	
24			08 30 01.6	28.6 S 68.4 W	LA RIOJA PROV., ARGENTINA			
			H =094 KM MAG	4.90-	CGS			
24	LC	eP	08 41 07.6	Z	1.0	33.8 (0)	71.0	5.14
24	LC	eL	10 19 40	LZ	24	62.8 (0)	137.0	
24	DH	eP	08 41 10.3	Z	0.8	38.3 (0)	71.0	5.29
24	MN	eP	08 42 09.0	Z	1.0	6.6 (0)	81.0	4.43
24	RK	eP	08 42 12.9	Z	0.9	61.2 (0)	82.0	5.45
24	MV	eP	08 42 20.1	Z	1.1	6.0 (0)	84.0	4.45
							AVG.	4.95
24			09 13 38.*	16.6 S 28.7 E	NORTHERN RHODESIA			
			H =033 KM					
24	LC	eP	09 32 59	Z	0.9	2.7 (0)	137.0	
24	MN	eP 1	09 33 08.8	Z	1.0	29.9 (0)	144.0	
		eL	10 24 50	LZ	32	31.6 (1)		
24	MV	eP 1	09 33 14.7	Z	1.0	19.5 (0)	145.0	
		eL	10 30 00	LZ	25	38.9 (1)		
24	DH	eL	10 07 42	LZ	30	50.4 (1)	110.0	
24	RK	eL	10 15 04	LZ	34	56.8 (1)	123.0	
24	LV	eL	10 22 57	LZ	21	40.2 (1)	124.0	
24	HW	eL	10 44 36	LZ	26	26.5 (1)	175.0	
24	HW	eP	11 48 24.2	Z	0.4	20.0 (1)	0.2	
		eS	11 48 29	R	0.4	49.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24			15 45 24.7	10.5 S 164.6 E	SANTA CRUZ ISLANDS REGION			
			H =033 KM MAG	4.60-	CGS			
24	MV	eP	15 57 55.8	Z	1.0	11.4 (0)	85.0	4.95
24			16 30 16.0	10.6 S 78.0 W	NEAR COAST OF PERU			
			H =080 KM MAG	7.00-	PAS			
24	LV	eP	16 38 24.5	Z	1.4	15.1 (2)	45.0	6.57
24	LC	eP	16 39 09.9	Z	0.8	35.7 (0)	51.0	5.42
		eP	16 39 11	LZ	999.9	99.9 (9)		
		eS	16 46 29	LR	999.9	99.9 (9)		
		eSCS	16 49 00	T	5.4	11.2 (2)		
		e	16 49 34	T	6.5	18.9 (2)		
24	DH	eP	16 39 24.8	Z	0.9	54.1 (1)	53.0	6.55
		eP	16 39 27	LZ	18	56.8 (2)		
		ePP	16 41 33	LZ	15	75.1 (2)		
		eS	16 46 26	LT	25	99.9 (9)		
		eS	16 46 47	R	2.5	78.6 (1)		
24	MN	eP	16 40 27.0	Z	999.9	99.9 (9)	62.0	
		eP	16 40 30	LZ	21	42.4 (2)		
		ePP	16 42 48	LZ	23	29.7 (2)		
		eS	16 48 46	R	2.5	14.2 (1)		
		eS	16 49 02	LR	999.9	99.9 (9)		
24	RK	eP	16 40 33.4	Z	0.9	16.8 (1)	63.0	6.01
		eP	16 40 35	LZ	19	99.9 (9)		
		ePP	16 42 53	LZ	20	28.0 (2)		
		eS	16 48 50	LR	999.9	99.9 (9)		
24	MV	eP	16 40 42.1	Z	1.4	38.0 (1)	64.0	6.19
		eP	16 40 43	LZ	19	59.7 (2)		
		eS	16 49 14	T	3.5	33.4 (1)		
		eS	16 49 16	LR	25	31.3 (2)		
		eSS	16 53 35	LT	26	53.2 (2)		
		eLQ	16 56 21	LT	19	99.9 (9)		
		eLR	17 01 40	LZ	28	48.9 (2)		
24	HW	eP	16 42 32.8	Z	1.0	19.4 (1)	82.0	5.94
		eP	16 42 33	LZ	22	30.8 (2)		
		eS	16 52 46	LR	23	17.4 (3)		
		e	16 58 11	LZ	22	29.2 (2)		
		eLQ	17 04 26	LR	16	21.8 (3)		
		eLR	17 07 02	LZ	28	76.5 (2)		
24	NP	eP	16 43 08.5	JZ	1.1	20.4 (1)	90.0	6.18
		eS	16 53 31	R	1.7	25.1 (1)		
							AVG.	6.12
24	MN	eP	16 58 06.5	Z	1.0	11.6 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	17 05 27.9		43.2 N 111.1 W SOUTHEASTERN IDAHO H =033 KM					
24	MN	eP	17 09 24.9	Z	1.6	25.7 (0)		
24	MV	eP	17 09 35.5	Z	1.0	6.5 (0)		
24	RK	eP	17 09 39.2	Z	1.0	17.4 (0)		
24	MN	e	17 10 11.6	Z	2.0	62.2 (0)		
24	LC	eP	17 16 42.6	Z	1.0	4.8 (0)		
24	NP	eP	18 01 28.8	JZ	.7	13.2 (0)		
24	DH	eP	20 26 25.2	Z	0.3	13.2 (0)	2.9	
		eS	20 27 03	R	0.3	11.2 (1)		
24	DH	eP	21 32 29.6	Z	0.4	19.1 (0)		
24	22 08 32.1		10.3 S 164.6 E SANTA CRUZ ISLANDS H =033 KM MAG 5.00- CGS					
24	MV	eP	22 21 02.5	Z	1.0	26.0 (0)	84.0	5.31
		e	22 23 10	Z	1.2	7.5 (0)		
24	MN	eP	22 21 13.2	Z	1.0	28.2 (0)	87.0	5.38
24	LC	eL	22 52 25	LZ	25	43.7 (0)	94.0	
							AVG.	5.34
24	22 21 57.8		10.6 S 165.1 E SANTA CRUZ ISLANDS H =075 KM MAG 4.30- CGS					
24	23 08 56.0		10.5 S 164.7 E SANTA CRUZ ISLANDS H =042 KM MAG 4.50- CGS					
24	MV	eP	23 21 26.1	Z	1.0	6.5 (0)	84.0	4.69
25	00 47 38.0		16.5 N 86.6 W OFF NORTH COAST HONDURAS H =033 KM MAG 4.30- CGS					
25	LC	eP	00 52 51.7	Z	0.7	2.4 (0)	24.0	4.80
		e	00 53 01	Z	0.9	11.1 (0)		
		eS	00 57 15	LR	14	51.7 (1)		
		eL	00 59 40	LZ	35	34.7 (1)		
25	MN	eP	00 54 33.9	Z	1.1	3.0 (0)	35.0	4.14
		ePCP	00 57 21	Z	1.0	2.4 (0)		
		eL	01 05 39	LZ	34	20.0 (1)		
25	LV	eL	00 55 35	LZ	12	24.7 (1)	16.0	
25	NP	eP	00 57 57.8	JZ	1.2	30.0 (0)	62.0	5.33
							AVG.	4.75

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	01 09 39.7		16.6 N 87.1 W HONDURAS H =033 KM MAG 4.20- CGS					
25	LC	eP	01 14 51.2	Z	0.6	3.0 (0)	24.0	3.97
		eS	01 19 12	LR	14	88.1 (1)		
		eL	01 21 40	LR	36	54.1 (1)		
25	MN	eP	01 16 31.7	Z	1.3	4.7 (0)	35.0	4.26
		eL	01 27 35	LZ	40	42.9 (1)		
25	NP	eP	01 19 56.7	JZ	1.3	26.8 (0)	62.0	5.24
		e	01 20 05	JZ	1.1	19.6 (0)		
25	MV	eL	01 26 16	LZ	35	26.1 (1)	37.0	
25	RK	eL	01 28 25	LZ	27	16.4 (1)	36.0	
25	HW	eL	01 45 45	LZ	31	17.2 (1)	65.0	
							AVG.	4.49
25	MV	eP	02 14 09.4	Z	1.0	4.8 (0)		
25	MN	eP	02 14 18.2	Z	1.5	19.5 (0)		
25	MV	e	02 27 19	Z	1.0	3.2 (0)		
25	MN	e	02 27 30	Z	1.0	4.1 (0)		
25	MN	eP	03 28 53.3	Z	0.7	0.8 (0)		
25	MN	eP	04 08 16.8	Z	1.0	2.4 (0)		
25	MV	eP	04 08 17.9	Z	0.9	2.5 (0)		
25	HW	eL	04 43 00	LZ	24	13.8 (1)		
25	MV	eL	04 57 29	LZ	33	17.9 (1)		
25	MN	eL	04 59 45	LZ	30	21.6 (1)		
25	MV	eP	05 39 26.9	Z	0.9	2.5 (0)		
25	MN	eP	05 39 32.1	Z	0.9	3.8 (0)		
25	MN	eL	05 39 43	LZ	21	79.0 (0)		
25	06 11 20.9		10.5 S 164.5 E SANTA CRUZ ISLANDS REGION H =034 KM MAG 4.30- CGS					
25	MV	eP	06 23 51.9	Z	1.0	3.2 (0)	85.0	4.41
25	MN	eP	06 24 02.8	Z	1.0	2.4 (0)	87.0	4.32
							AVG.	4.36
25	07 03 54.6		16.7 S 28.7 E NORTHERN RHODESIA H =033 KM MAG 5.80- CGS					
25	NP	eP?	07 22 39.1	JZ	.9	10.0 (0)	118.0	
		ePKKP	07 33 01	JZ	1	5.5 (0)		
25	RK	eP?	07 22 49.0	Z	0.6	10.4 (0)	123.0	
		eL	08 01 53	LZ	45	10.8 (2)		
25	LC	eP?	07 23 10.5	Z	0.6	2.0 (0)	137.0	
		e	07 23 17	Z	1.0	14.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKP	07 26 57	LZ	18	13.0 (1)		
		e	07 52 25	LR	24	54.2 (1)		
		eL	07 57 18	LZ	22	71.4 (0)		
		eLR	08 10 07	LZ	25	17.8 (1)		
25	MN	eP'1	07 23 26.9	Z	0.8	32.4 (0)	144.0	
		ePCPP'	07 31 43	Z	0.7	0.8 (0)		
		eL	08 14 25	LZ	33	74.5 (1)		
25	MV	eP'1	07 23 31.5	Z	0.8	34.6 (0)	146.0	
		eL	08 11 55	LZ	45	10.6 (2)		
25	LV	eL	08 01 25	LZ	42	61.6 (1)	124.0	
25	HW	eL	08 27 50	LZ	32	45.3 (1)	174.0	
25	MN	eP	08 39 08.7	Z	0.7	3.3 (0)	5.8	
		eS	08 40 18	R	0.7	7.1 (0)		
25	MV	eP	08 47 06.3	Z	0.9	2.5 (0)		
25	NP	eP	10 46 59.5	JZ	.5	3.0 (0)	4.0	
		eS	10 47 50	R	0.4	3.6 (0)		
25	MN	eP	11 28 02.3	Z	0.6	3.1 (0)	5.8	
		eL	11 29 11	R	0.6	7.8 (0)		
25	12 46 42.0		15.2 S 167.4 E NEW HEBRIDES ISLANDS H =122 KM MAG 4.30- CGS					
25	MN	eP	12 59 19.5	Z	1.0	1.6 (0)	88.0	3.97
25	13 21 31.1		10.5 S 164.6 E SANTA CRUZ ISLANDS REGION H =033 KM MAG 4.40- CGS					
25	MV	eP	13 34 03.4	Z	1.0	3.2 (0)	85.0	4.41
		e	13 35 38	Z	1.3	9.3 (0)		
25	MN	eP	13 34 12.9	Z	1.1	6.1 (0)	87.0	4.68
		e	13 35 49	Z	1.3	9.5 (0)		
		eL	14 02 00	LZ	26	92.9 (0)		
25	LC	eL	14 04 45	LZ	25	50.9 (0)	95.0	
						AVG.		4.54
25	13 44 21.9		10.3 S 164.4 E SANTA CRUZ ISLANDS REGION H =043 KM MAG 4.70- CGS					
25	MV	eP	13 56 50.9	Z	0.9	7.5 (0)	85.0	4.79
25	MN	eP	13 57 01.6	Z	1.0	9.1 (0)	87.0	4.87
						AVG.		4.83
25	14 00 54.6		10.2 S 164.6 E SOLOMON ISLANDS REGION H =033 KM MAG 4.90- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MV	eP	14 13 24.9	Z	1.2	17.5 (0)	84.0	5.06
25	MN	eP	14 13 35.5	Z	1.2	16.6 (0)	86.0	4.97
25	HW	eSP	14 17 05	LZ	19	22.4 (1)	49.0	
		eL	14 26 20	LZ	20	17.9 (1)		
25	MN	ePKKP	14 31 30	Z	1.0	3.3 (0)	86.0	
						AVG.		5.01
25	14 23 47.7		09.8 S 164.5 E SANTA CRUZ ISLANDS REGION H =033 KM MAG 4.60- CGS					
25	MV	eP	14 36 16.9	Z	0.9	10.0 (0)	84.0	4.94
25	MN	eP	14 36 27.6	Z	1.0	9.1 (0)	86.0	4.79
25	LV	eL	15 07 54	LZ	16	19.4 (1)	107.0	
						AVG.		4.86
25	14 50 18.2		10.1 S 164.5 E SOLOMON ISLANDS REGION H =033 KM MAG 5.10- CGS					
25	MV	eP	15 02 48.5	Z	1.1	10.0 (0)	84.0	4.86
		eL	15 27 34	LZ	24	25.9 (1)		
25	MN	eP	15 02 59.3	Z	1.1	35.8 (0)	86.0	5.34
		eL	15 29 24	LZ	27	28.7 (1)		
25	LC	eP	15 03 39.2	Z	1.0	4.8 (0)	94.0	4.81
25	HW	eL	15 12 35	LZ	23	41.7 (1)	49.0	
						AVG.		5.00
25	15 01 37.4		10.4 S 164.4 E SANTA CRUZ ISLANDS H =051 KM MAG 4.70- CGS					
25	MV	eP	15 14 06.6	Z	0.8	5.7 (0)	85.0	4.70
25	MN	eP	15 14 17.5	Z	1.0	7.4 (0)	87.0	4.77
						AVG.		4.73
25	15 42 47.2		10.5 S 164.5 E SANTA CRUZ ISLANDS REGION H =019 KM MAG 4.30- CGS					
25	MV	eP	15 55 20.4	Z	1.0	3.2 (0)	85.0	4.45
25	MN	eP	15 55 30.9	Z	1.1	4.1 (0)	87.0	4.53
						AVG.		4.49
25	MN	eP	16 11 51.6	Z	1.0	3.3 (0)		
25	DH	eP	20 39 43.4	Z	0.2	8.8 (0)	1.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	20 40 01	R	0.4	42.9 (0)		
25	20 57 15.2		10.5 S 164.7 E SANTA CRUZ ISLANDS REGION H =036 KM MAG 4.60- CGS					
25	MN	eP	21 10 01.4	Z	1.1	2.0 (0)	87.0	4.19
25	MV	eP	21 44 34.1	Z	1.0	3.2 (0)		
26	LC	eP	00 39 38.2	Z	0.8	2.9 (0)		
26	01 11 34.2		10.4 S 164.6 E SANTA CRUZ ISLANDS REGION H =033 KM MAG 4.30- CGS					
26	MV	eP	01 24 04.4	Z	1.0	4.8 (0)	84.0	4.58
26	MV	eL	02 33 12	LZ	22	84.6 (0)		
26	04 20 21.5		56.5 N 153.4 W KODIAK ISLAND REGION H =033 KM MAG 4.80- CGS					
26	NP	eP	04 25 30.5	JZ	.7	25.2 (0)	23.0	4.79
		e	04 28 22	JZ	.7	38.5 (0)		
26	MV	eP	04 26 03.5	Z	0.9	5.0 (0)	27.0	4.17
		eP	04 26 08	LZ	19	13.5 (1)		
		eL	04 33 36	LZ	21	98.3 (1)		
26	MN	eP	04 26 24.0	Z	0.8	4.4 (0)	29.0	4.27
		eP	04 26 30	LZ	20	14.9 (1)		
		eS	04 31 30	LR	19	40.2 (1)		
		eL	04 34 30	LZ	28	10.0 (2)		
26	LC	eP	04 27 56.3	Z	1.3	7.0 (0)	40.0	4.20
		eP	04 27 58	LZ	20	91.2 (0)		
		eS	04 34 10	LR	21	53.0 (1)		
		eLQ	04 37 11	LT	24	30.6 (1)		
		eLR	04 41 30	LZ	21	29.6 (1)		
		eL	04 44 34	LR	16	18.3 (2)		
		eL	04 44 34	LT	16	52.8 (1)		
		eL	04 44 34	LZ	15	19.6 (2)		
26	RK	eS	04 32 30	LR	20	32.4 (1)	35.0	
		eL	04 36 54	LR	37	12.7 (2)		
26	HW	e	04 33 15	LZ	20	24.8 (1)	37.0	
		eL	04 37 15	LZ	25	23.8 (1)		
26	LV	eL	04 46 05	LZ	28	22.5 (1)	48.0	
26	DH	eL	04 49 12	LZ	18	13.5 (2)	50.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
						AVG.		4.35
26	RK	eP	04 25 11.8	Z	1.0	9.6 (0)		
26	05 28 07.3		50.4 N 176.9 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 5.30- CGS					
26	NP	eP	05 34 51.6	JZ	.7	25.2 (0)	34.0	5.22
26	MV	eP	05 35 42.1	Z	0.9	18.7 (0)	40.0	4.78
		eP	05 35 43	LZ	15	50.0 (1)		
		ePCP	05 37 46	Z	0.9	25.0 (0)		
		eSCP	05 41 30	LZ	19	67.6 (1)		
		e	05 42 00	Z	0.8	1.9 (0)		
26	MN	eP	05 36 02.5	Z	0.8	7.3 (0)	43.0	4.46
		eP	05 36 08	LZ	15	54.9 (1)		
		eS	05 42 30	LR	20	11.5 (2)		
		eL	05 46 50	LZ	18	75.9 (1)		
26	RK	eP	05 37 00.3	Z	0.7	14.4 (0)	50.0	5.01
		eP	05 37 02	LZ	17	45.2 (1)		
		eS	05 44 13	LR	18	89.5 (1)		
		eL	05 51 55	LR	17	15.2 (2)		
26	LC	eP	05 37 27.9	Z	0.6	6.6 (0)	54.0	4.84
		eP	05 37 30	LZ	18	30.5 (1)		
		eS	05 45 07	LT	17	43.6 (1)		
		eLQ	05 48 40	LR	20	10.7 (2)		
		eLR	05 56 00	LZ	19	51.0 (1)		
26	LV	eP	05 38 32.6	Z	1.0	45.2 (0)	63.0	5.48
		eP	05 38 35	LZ	17	63.0 (1)		
		eL	06 05 50	LZ	19	14.6 (2)		
26	DH	eP	05 38 49.7	Z	0.9	38.7 (0)	65.0	5.53
		eP	05 38 52	LZ	16	62.2 (1)		
		eS	05 47 35	LR	12	27.4 (2)		
		e	05 52 40	LT	26	73.0 (1)		
		eL	06 00 45	LR	28	12.3 (2)		
26	HW	e	05 40 40	LZ	21	10.5 (2)	35.0	
		eL	05 43 02	LZ	14	14.1 (2)		
						AVG.		5.04
26	05 55 09.7		05.6 S 148.0 E NEW BRITAIN REGION H =156 KM MAG 4.90- CGS					
26	MV	eP	06 08 11.5	Z	1.0	8.1 (0)	94.0	4.94
26	LC	ePKKP	06 24 52	Z	1.0	3.6 (0)	106.0	
26	06 40 43.5		56.6 N 153.2 W KODIAK ISLAND REGION H =033 KM MAG 4.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	NP	eP	06 45 51.6	JZ	.5	30.2 (0)	23.0	5.01
		e	06 45 58	R	1.1	49.0 (0)		
26	MV	eP	06 46 24.3	Z	1.0	3.2 (0)	27.0	3.94
26	MN	eP	06 46 45.0	Z	1.0	4.9 (0)	29.0	4.23
26	LC	eP	06 48 16.5	Z	1.1	6.0 (0)	40.0	4.20
							AVG.	4.34
26	10 53 57.3		17.4 S 178.8 W FIJI ISLANDS H =512 KM MAG 4.00- CGS					
26	MN	eP	14 02 04.5	Z	0.4	3.1 (0)	0.8	
		eS	14 02 15	R	0.5	6.8 (0)		
26	DH	eP	15 00 22.7	Z	0.4	24.8 (0)	1.8	
		eS	15 00 47	T	0.4	94.1 (0)		
26	MN	eP	17 27 20.2	Z	0.9	14.0 (0)	4.8	
		eS	17 28 18	T	0.5	0.3 (0)		
26	20 35 54.3		03.3 S 141.9 E NEAR E. COAST NEW GUINEA H =033 KM MAG 5.30- CGS					
26	LC	ePKKP	21 05 39.5	Z	1.0	3.6 (0)	110.0	
		eL	21 26 49	LZ	27	65.1 (0)		
26	MN	eL	21 21 35	LZ	26	96.5 (0)	100.0	
26	MV	eL	21 24 41	LZ	20	21.6 (1)	97.0	
26	RK	eL	21 31 44	LZ	26	16.0 (1)	114.0	
26	LV	eL	21 34 53	LZ	23	62.8 (0)	122.0	
27	07 54 11.*		12.9 S 171.5 W SAMOA ISLANDS REGION H =033 KM MAG 4.00- CGS					
27	HW	eL	11 39 05	LZ	30	92.0 (1)	75.0	
27	10 04 04.7		10.8 N 62.2 W NEAR COAST OF VENEZUELA H =104 KM MAG 4.60- CGS					
27	LV	eP	10 10 46.6	Z	0.8	27.1 (0)	35.0	5.21
27	LC	eP	10 12 21.0	Z	0.7	8.4 (0)	46.0	4.66
27	RK	eP	10 12 30.4	Z	0.6	9.3 (0)	48.0	4.78
27	NP	eP	10 15 19.0	JZ	.6	10.2 (0)	72.0	4.82
27	HW	e	10 43 31	LZ	21	21.0 (1)	90.0	
		eL	10 47 02	LT	18	26.9 (2)		
		eL	10 49 35	LZ	25	13.6 (2)		
							AVG.	4.86

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	10 28 04.1		17.1 S 174.6 E FIJI ISLANDS REGION H =033 KM MAG 4.90- CGS					
27	MN	eLQ	11 02 29	LR	29	29.0 (1)	84.0	
		eLR	11 06 20	LZ	29	87.5 (1)		
		eL	11 08 10	LR	24	46.3 (1)		
		eL	11 08 10	LT	24	67.0 (1)		
		eL	11 08 10	LZ	24	93.2 (1)		
27	MV	eL	11 05 40	LZ	28	66.5 (1)	82.0	
27	LV	eL	11 15 41	LZ	31	58.7 (1)	102.0	
27	RK	eL	11 17 39	LZ	29	37.2 (1)	104.0	
27	11 04 17.3		11.3 N 126.0 E OFF E. COAST LEYTE, P. I. H =017 KM MAG 5.30- CGS					
27	NP	eP	11 16 51.7	JZ	.8	3.5 (0)	85.0	4.59
27	MN	eL	11 48 47	LZ	20	32.7 (1)	102.0	
27	MV	eL	11 49 25	LZ	30	96.0 (1)	100.0	
27	11 25 53.6		17.2 S 174.7 E FIJI ISLANDS REGION H =033 KM MAG 5.00- CGS					
27	LC	eP	11 38 53.0	Z	1.1	2.9 (0)	90.0	4.40
		ePPS	11 51 40	LT	15	18.7 (1)		
		e	11 52 52	LT	21	26.3 (1)		
		e	11 58 05	LT	20	34.6 (1)		
		e	12 05 20	LT	30	33.8 (1)		
		eL	12 08 55	LT	30	34.6 (1)		
27	HW	eLQ	11 45 05	LT	16	10.6 (3)	47.0	
		eLR	11 47 19	LZ	25	57.1 (2)		
27	MV	eL	12 03 11	LZ	27	28.9 (2)	82.0	
27	MN	eL	12 04 00	LZ	28	31.7 (2)	84.0	
27	LV	eL	12 13 36	LZ	29	23.3 (2)	101.0	
27	RK	eL	12 15 36	LZ	26	12.0 (2)	104.0	
27	DH	eL	12 24 10	LZ	27	17.8 (1)	116.0	
27	LC	e	12 49 17	LT	18	30.5 (1)		
27	LC	e	12 50 45	LT	21	92.2 (1)		
27	LC	e	12 56 00	LT	21	11.6 (2)		
27	LC	e	13 03 22	LT	26	95.5 (1)		
27	LC	eL	13 06 43	LT	31	14.5 (2)		
27	14 49 32.3		21.3 S 179.0 W FIJI ISLANDS H =354 KM MAG 4.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	DH	eL	15 16 05	LZ	36	92.1 (1)		
27	16 26 49.8		37.0 N 141.3 E EAST COAST HONSHU, JAPAN H =081 KM MAG 4.10- CGS					
27	NP	eP	16 36 30.1	JZ	.6	4.8 (0)	57.0	4.70
27	16 46 12.*		32.6 N 115.5 W BAJA CALIFORNIA H =033 KM MAG 3.50- CGS					
27	LC	eP	16 48 06.0	Z	0.7	2.4 (0)	8.0	4.33
27	17 09 33.*		27.9 N 66.1 E WEST PAKISTAN H =088 KM MAG 4.70- CGS					
27	NP	eP	17 21 13.8	JZ	.7	4.7 (0)	76.0	4.46
		e	17 21 35	JZ	1	12.0 (0)		
27	17 28 10.9		02.9 N 126.6 E MOLUCCA PASSAGE H =099 KM MAG 5.50- CGS					
27	18 04 38.4		45.6 N 149.5 E KURILE ISLANDS H =080 KM MAG 4.70- CGS					
27	RK	eP	18 15 39.2	Z	0.9	7.6 (0)	70.0	4.58
27	LC	eP	20 59 19.2	Z	0.3	3.4 (0)	2.9	
		eS	20 59 56	T	0.3	8.5 (0)		
27	LC	eP	21 45 30.5	Z	0.2	12.6 (0)	1.4	
		eS	21 45 48	T	0.2	8.8 (0)		
27	22 20 06.6		00.1 S 18.4 W ATLANTIC OCEAN H =033 KM MAG 5.00- CGS					
27	RK	eP	22 32 27.7	Z	0.8	13.1 (0)	82.0	5.01
		eL	22 58 37	LT	25	33.1 (1)		
27	LV	eL	22 55 57	LZ	29	24.2 (1)	76.0	
27	MV	eL	23 08 44	LZ	30	12.0 (1)	100.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	00 33 55.1		49.8 S 125.9 E SOUTH OF AUSTRALIA H =033 KM					
28	MV	e	01 14 10	LZ	29	37.1 (1)	132.0	
		eL	01 35 15	LZ	35	30.9 (1)		
28	HW	eL	01 19 52	LZ	25	34.0 (1)	98.0	
28	LC	eL	01 39 40	LZ	25	10.1 (1)	138.0	
28	RK	eL	01 47 15	LZ	30	11.5 (1)	155.0	
28	MN	eP	01 29 26.7	Z	0.3	1.4 (0)	1.0	
		eS	01 29 40	R	0.4	2.9 (0)		
28	03 01 11.6		20.5 S 174.3 W TONGA ISLANDS H =033 KM MAG 4.50- CGS					
28	MV	eP	03 13 04.1	Z	1.0	3.1 (0)	77.0	4.30
		eL	03 38 31	LZ	19	66.5 (0)		
28	MN	eP	03 13 13.2	Z	1.0	9.9 (0)	79.0	4.73
28	LC	eP	03 13 37.6	Z	1.0	2.4 (0)	83.0	4.28
		eL	03 43 00	LZ	20	17.2 (1)		
						AVG.		4.43
28	HW	eP	03 09 44.9	Z	0.4	40.5 (0)	1.1	
		eS	03 09 58	R	0.7	22.6 (1)		
28	03 30 48.8		14.3 S 13.7 W ATLANTIC OCEAN H =033 KM MAG 5.00- CGS					
28	LV	eL	03 44 35	LZ	20	18.9 (1)	94.0	
28	LC	eL	04 20 51	LZ	26	17.3 (1)	100.0	
28	MV	eL	04 25 27	LZ	30	12.0 (1)	112.0	
28	HW	eL	04 45 06	LZ	19	14.7 (1)	143.0	
28	05 25 03.2		10.2 N 86.0 W NEAR W. COAST COSTA RICA H =033 KM MAG 4.10- CGS					
28	MN	eP	05 32 42.1	Z	0.9	4.4 (0)	40.0	4.16
28	05 25 25.9		17.8 S 178.6 W FIJI ISLANDS H =548 KM MAG 4.00- CGS					

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
28	MN	eP	05 45 29.5		Z	0.6	2.4 (0)		
28	06 00 25.4		22.9 N 94.5 E	WESTERN BURMA					
			H =108 KM MAG	5.60- CGS					
28	NP	eP	06 12 19.4		JZ	.6	2.6 (0)	79.0	4.23
		eS	06 22 08		T	1.0	78.0 (0)		
28	06 58 12.7		31.5 S 179.6 E	KERMADEC ISLANDS					
			H =457 KM MAG	5.00- CGS					
28	HW	eP	07 07 11.4		Z	0.6	98.4 (0)	56.0	5.31
28	MV	eP	07 10 19.8		Z	1.1	27.6 (0)	89.0	4.99
		epP	07 12 04		Z	1.0	3.1 (0)		
28	MN	eP	07 10 26.0		Z	0.5	9.4 (0)	91.0	4.97
		epP	07 12 10		Z	0.8	4.4 (0)		
		epPP	07 12 57		Z	1.0	5.8 (0)		
28	LC	eP	07 10 44.1		Z	0.9	3.7 (0)	94.0	4.47
		ePS	07 23 37		LT	20	29.3 (1)		
		eSS	07 28 06		LT	26	21.9 (1)		
		e	07 37 42		LZ	27	15.9 (1)		
		eL	07 41 10		LZ	20	53.0 (0)		
28	NP	epP*	07 18 50		JZ	.8	13.3 (0)	114.0	
28	RK	ePKKP	07 26 58		Z	0.9	7.7 (0)	112.0	
							AVG.		4.93
28	10 03 53.4		44.8 N 129.9 W	OFF COAST OF OREGON					
			H =033 KM MAG	3.70- CGS					
28	MV	eP	10 05 54.1		Z	0.7	3.9 (0)	8.0	4.55
28	MN	eP	10 06 27.4		Z	0.7	1.2 (0)	11.0	4.25
28	LC	eP	10 08 48.1		Z	0.9	4.6 (0)	22.0	3.87
		eS	10 12 45		LT	19	27.1 (1)		
		eL	10 15 36		LZ	21	19.0 (1)		
28	RK	eP	10 09 21.2		Z	1.0	5.0 (0)	25.0	4.10
							AVG.		4.19
28	LV	eL	10 38 20		LZ	24	16.2 (1)		
28	11 04 13.6		39.3 N 136.0 E	SEA OF JAPAN					
			H =351 KM MAG	3.80- CGS					
28	11 06 00.4		18.1 S 177.9 W	FIJI ISLANDS					
			H =604 KM MAG	3.90- CGS					

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
28	MN	eP	11 17 06.2		Z	0.8	2.4 (0)	79.0	3.69
28	LC	eP	11 17 33.5		Z	0.9	1.8 (0)	85.0	3.71
							AVG.		3.70
28	LC	eP	11 55 26.6		Z	0.9	5.5 (0)		
28	HW	eP	12 45 53.6		Z	0.5	55.4 (0)	2.0	
		eS	12 46 17		R	0.5	28.5 (1)		
28	14 03 53.8		59.6 N 156.2 W	CENTRAL ALASKA					
			H =033 KM MAG	4.40- CGS					
28	NP	eP	14 08 38.4		JZ	.8	4.8 (0)	21.0	3.88
		e	14 08 41		JZ	.7	16.1 (0)		
28	MN	eP	14 20 00.6		Z	0.5	1.8 (0)		
28	MN	e	15 08 52		T	18.0	54.8 (3)		
28	DH	eP	15 17 31.2		Z	0.3	19.9 (0)	1.7	
		eS	15 17 54		R	0.5	26.3 (0)		
28	MN	eP	17 19 40.6		Z	0.5	0.6 (0)	3.5	
		eS	17 20 22		R	0.6	1.4 (0)		
28	18 42 25.2		03.5 S 102.0 E	NEAR COAST OF SUMATRA					
			H =029 KM MAG	5.60- CGS					
28	19 08 02.8		43.3 N 111.3 W	SOUTHEASTERN IDAHO					
			H =033 KM MAG	3.70- CGS					
28	LV	eL	20 01 55		LZ	30	14.2 (1)		
28	DH	eL	20 02 55		LZ	27	23.0 (1)		
28	LC	eP	20 04 51.3		Z	0.2	10.3 (0)	1.4	
		eS	20 05 20		T	0.3	17.0 (0)		
28	NP	eP	20 30 57.8		JZ	.8	3.3 (0)		
28	23 11 01.2		13.4 S 166.3 E	NEW HEBRIDES ISLANDS					
			H =053 KM MAG	4.70- CGS					
28	MV	eL	23 50 40		LZ	29	92.7 (0)	85.0	
28	MN	eL	23 51 15		Z	27.0	56.0 (3)	87.0	
29	00 00 34.*		28.3 N 112.0 W	GULF OF CALIFORNIA					
			H =033 KM MAG	4.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC	eP	00 02 29.0	Z	0.8	5.0 (0)	6.0	4.19
		eS	00 03 45	LT	13	27.2 (2)		
		eS	00 03 54	R	0.7	45.1 (0)		
29	MN	eL	00 06 56	R	1.9	32.2 (0)	11.0	
29	RK	eL	00 14 17	LT	24	11.2 (2)	26.0	
29	DH	eL	00 18 05	LT	15	84.6 (1)	33.0	
29	01 06 03.6		17.7 S 179.0 W FIJI ISLANDS H =649 KM MAG 3.90- CGS					
29	MN	eP	01 17 08.0	Z	0.8	1.9 (0)	80.0	3.63
29	MN	eP	02 50 30.9	Z	0.9	1.2 (0)		
29	02 55 05.*		62.0 S 163.5 E BALLENY ISLANDS REGION H =033 KM					
29	LC	ePS	03 25 12	LT	20	19.4 (1)	118.0	
		e	03 32 15	LT	28	21.6 (1)		
		eLQ	03 44 50	LR	32	53.4 (1)		
		eLR	03 50 33	LZ	30	73.5 (1)		
29	MN	eSP	03 25 15	LZ	20	10.3 (1)	118.0	
		eSS	03 31 49	LR	26	18.2 (1)		
		eSSS	03 36 08	LR	23	16.6 (1)		
		eLQ	03 44 15	LR	40	59.2 (1)		
		eLR	03 48 28	LZ	30	27.1 (1)		
		eL	03 59 40	LT	18	59.7 (1)		
		eL	03 59 40	LR	21	23.7 (1)		
		eL	03 59 40	LZ	19	77.1 (1)		
29	MV	eSS	03 31 40	LR	23	20.4 (1)	117.0	
		eLQ	03 43 50	LR	34	49.8 (1)		
		eLR	03 48 10	LZ	23	12.3 (1)		
29	RK	e	03 36 58	LR	38	52.0 (1)	138.0	
		eL	03 57 00	LR	27	25.4 (1)		
29	LV	eL	03 54 35	LZ	28	21.3 (1)	124.0	
29	MV	eP	04 31 15.3	Z	0.3	2.3 (0)	1.0	
		eS	04 31 29	R	0.3	10.9 (0)		
29	05 58 23.3		43.5 N 111.3 W SOUTHEASTERN IDAHO H =033 KM MAG 3.60- CGS					
29	MN	eP	06 00 18.5	Z	0.7	0.8 (0)	7.0	3.70

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	06 02 02	R	0.8	1.5 (0)		
29	DH	eP	06 03 14.2	Z	1.0	27.4 (0)		
29	06 05 32.1		43.3 N 111.5 W SOUTHEASTERN IDAHO H =033 KM					
29	10 06 43.4		28.8 S 177.8 W KERMADEC ISLANDS H =116 KM MAG 3.10- CGS					
29	10 39 58.4		36.4 N 70.4 E HINDU KUSH H =214 KM MAG 4.80- CGS					
29	DH	eL	11 07 54	LZ	24	17.8 (1)	95.0	
29	MN	eL	11 28 53	LZ	20	13.7 (1)	110.0	
29	11 24 00.*		19.3 S 177.9 W FIJI ISLANDS H =205 KM MAG 3.80- CGS					
29	13 35 45.3		36.6 N 29.2 E NEAR NORTH COAST OF TURKEY H =033 KM MAG 4.50- CGS					
29	MN	eL	14 17 23	LZ	22	50.5 (0)	99.0	
29	LC	eL	14 21 25	LZ	18	71.0 (0)	100.0	
29	RK	eP	15 04 21.7	Z	0.5	1.8 (0)		
29	15 31 31.4		36.1 N 72.0 E HINDU KUSH H =150 KM MAG 4.90- CGS					
29	MV	eP	16 12 12.0	Z	0.5	9.7 (0)	1.2	
		eS	16 12 29	R	0.5	16.9 (0)		
29	18 16 21.*		00.1 S 130.4 E SPICE ISLANDS REGION H =033 KM					
29	19 31 22.7		13.5 N 57.5 E ARABIAN SEA H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	19 35 01.6		06.0 N 125.3 E MINDANAO; PHILIPPINE IS. H =117 KM MAG 5.30- CGS					
29	MN	ePP	19 53 40	Z	1.0	1.6 (0)	107.0	
		eL	20 23 50	LZ	29	67.5 (1)		
29	LC	ePP	19 54 45	LZ	18	11.3 (1)	118.0	
		eSKP	19 57 04	Z	1.2	11.3 (0)		
		e	20 03 15	LT	18	11.3 (1)		
		ePS	20 04 58	LR	22	68.5 (1)		
		eSS	20 11 03	LT	23	29.0 (1)		
		eLQ	20 24 32	LT	28	38.0 (1)		
		eL	20 30 26	LZ	20	35.1 (1)		
29	MV	eSKS	19 59 35	LR	17	30.7 (1)	104.0	
		ePS	20 02 46	LR	22	22.7 (1)		
29	RK	eL	20 28 37	LR	28	14.4 (2)	114.0	
		eL	20 32 38	LZ	28	60.8 (1)		
29	LV	eL	20 36 20	LZ	28	38.5 (1)	129.0	
29	20 31 10.1		21.6 N 142.9 E VOLOCANO ISLANDS REGION H =325 KM MAG 4.60- CGS					
29	NP	eP	20 41 54.0	JZ	.6	2.9 (0)	71.0	4.16
29	MN	eP	20 43 03.8	Z	0.8	6.8 (0)		
29	LC	eP	20 49 00.9	Z	0.3	14.8 (0)	1.5	
		eS	20 49 31	R	0.5	20.5 (0)		
29	LC	eP	21 33 56.6	Z	0.8	4.3 (0)		
29	21 58 22.8		06.9 N 73.0 W COLOMBIA H =157 KM MAG 4.00- CGS					
29	LC	eP	22 05 46.6	Z	0.9	5.6 (0)	40.0	4.22
29	MV	eL	22 00 00	LZ	35	98.9 (1)		
29	22 16 38.6		36.1 N 18.0 E IONIAN SEA H =047 KM MAG 5.30- CGS					
29	NP	eP	22 27 13.8	JZ	.5	3.9 (0)	65.0	4.75
29	RK	eP	22 28 14.7	Z	0.4	20.6 (0)	75.0	5.41
29	LC	eP	22 29 55.6	Z	1.0	13.4 (0)	94.0	5.27
29	MV	eP	22 30 02.3	Z	0.6	4.7 (0)	96.0	5.19

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
						AVG.		5.15
29	22 44 02.9		14.4 N 91.9 W GUATEMALA H =061 KM MAG 5.00-5.25 PAL					
29	LV	eP	22 48 08.5	Z	0.8	54.9 (0)	18.0	4.79
		eP	22 48 09	LZ	15	24.4 (2)		
		eS	22 51 20	LR	16	27.3 (2)		
		eS	22 51 25	R	0.6	10.6 (1)		
29	LC	eP	22 48 57.3	Z	1.3	16.4 (1)	22.0	5.24
		e	22 53 16	Z	1.4	32.0 (0)		
29	DH	eP	22 50 20.9	Z	0.9	42.1 (0)	31.0	5.24
		eP	22 50 21	LZ	19	35.3 (1)		
		eS	22 55 45	LT	30	20.5 (2)		
		e	22 57 41	LZ	14	30.8 (2)		
		eL	23 00 55	LZ	27	20.3 (2)		
29	MN	eP	22 50 38.0	Z	0.9	65.1 (0)	33.0	5.49
		eP	22 50 40	LZ	16	38.2 (1)		
		ePCP	22 53 20	Z	0.9	8.9 (0)		
		eS	22 55 50	LR	18	56.0 (1)		
		eS	22 56 08	T	3.0	88.4 (0)		
		eL	23 01 10	LT	26	99.9 (9)		
		eL	23 01 58	T	2.6	69.7 (0)		
29	MV	eP	22 50 58.0	Z	1.1	11.9 (0)	36.0	4.69
29	RK	eP	22 51 03.0	Z	0.7	11.1 (0)	36.0	4.86
		eP	22 51 08	LZ	25	32.0 (1)		
		e	22 52 30	LR	20	65.1 (1)		
		ePCS	22 57 15	LT	30	25.8 (2)		
		eL	23 01 40	LR	45	97.2 (2)		
29	NP	eP	22 54 27.8	JZ	.7	2.7 (0)	63.0	4.36
						AVG.		4.95
29	23 05 22.5		14.3 N 92.0 W GUATEMALA H =033 KM MAG 4.40- CGS					
29	LC	eP	23 10 19.0	Z	0.9	15.0 (0)	22.0	4.39
		ePP	23 10 48	Z	0.8	15.9 (0)		
		e	23 11 06	Z	0.7	7.3 (0)		
29	MN	eP	23 11 59.6	Z	0.9	5.1 (0)	33.0	4.42
		e	23 12 28	Z	0.8	4.9 (0)		
		ePCP	23 14 56	Z	1.0	8.3 (0)		
						AVG.		4.40
29	23 08 20.8		14.5 N 92.0 W GUATEMALA H =042 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC	eP	23 13 16.2	Z	1.0	14.7 (0)	22.0	4.32
30			01 12 28.6	07.0 S 130.3 E BANDA SEA H =097 KM				
30			01 21 28.6	07.0 S 130.3 E BANDA SEA H =097 KM				
30			02 33 14.8	14.3 N 92.1 W GUATEMALA H =033 KM MAG 4.10- CGS				
30			03 05 38.1	14.1 N 91.9 W NEAR W. COAST OF GUATEMALA H =086 KM MAG 4.50- CGS				
30	LV	eP	03 09 44	LZ	15	16.7 (1)	17.0	
		eL	03 13 12	LZ	13	19.8 (1)		
30	LC	eP	03 10 32.3	Z	0.9	17.1 (0)	23.0	4.40
		e	03 14 53	LZ	18	15.0 (1)		
		ePCS	03 18 27	LT	21	38.2 (1)		
		eL	03 19 08	LZ	23	12.0 (1)		
30	DH	eP	03 11 55.3	Z	0.9	14.3 (0)	32.0	4.73
30	MN	eP	03 12 12.7	Z	1.0	10.7 (0)	34.0	4.64
		ePCP	03 14 52	Z	1.0	2.4 (0)		
		eL	03 22 15	LT	25	63.7 (1)		
30	MV	eL	03 23 51	LR	29	23.5 (1)	36.0	
30	RK	eL	03 29 35	LZ	20	16.2 (1)		
							AVG.	4.59
30			03 46 51.3	07.3 N 76.9 W COLOMBIA H =033 KM MAG 4.60- CGS				
30	LC	eP	03 54 02.0	Z	1.6	34.1 (0)	37.0	4.89
		eL	04 00 12	LR	27	19.7 (1)		
30	RK	eP	03 55 10.5	Z	0.6	15.5 (0)	46.0	5.14
		e	04 06 16	LZ	16	14.0 (1)		
		eL	04 10 00	LZ	30	22.8 (1)		
30	MN	eP	03 55 32.3	Z	1.0	23.2 (0)	48.0	5.16
		ePCP	03 56 57	Z	1.0	7.4 (0)		
		e	04 06 48	LR	18	18.8 (1)		
		eL	04 11 10	LT	38	46.5 (1)		
30	MV	eP	03 55 50.8	Z	1.0	3.2 (0)	51.0	4.24
		eL	04 17 33	LZ	19	90.2 (0)		
30	DH	eL	04 03 57	LR	20	21.4 (1)	35.0	
							AVG.	4.85

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30			06 35 44.3	28.2 N 111.3 W GULF OF CALIFORNIA H =033 KM MAG 4.20- CGS				
30	LC	eP	06 37 11.3	Z	0.5	0.9 (0)	6.0	3.67
		e	06 37 44	Z	0.7	8.0 (0)		
		eL	06 38 38	LZ	16	97.8 (1)		
		eL	06 38 59	R	0.7	43.1 (0)		
30	MN	eP	06 38 32.8	Z	1.3	4.7 (0)	12.0	4.43
		eL	06 42 13	LT	14	30.1 (1)		
30	MV	eL	06 42 46	LR	22	49.7 (1)	14.0	
30	LV	eL	06 46 28	LZ	23	13.7 (1)	17.0	
							AVG.	4.05
30			08 54 15.0	01.3 S 128.5 E CERAM SEA H =030 KM MAG 4.90- CGS				
30	HW	eL	09 32 15	LZ	24	20.2 (1)	77.0	
30	MV	eL	09 46 08	LZ	19	11.2 (1)	106.0	
30	MN	eL	09 46 44	LZ	24	13.0 (1)	109.0	
30	LC	eL	09 50 46	LZ	24	86.5 (0)	120.0	
30	MN	eP	09 03 07.1	Z	0.3	2.9 (0)	1.2	
		eS	09 03 23	R	0.4	9.1 (0)		
30			09 17 45.2	38.0 N 111.0 W SOUTHERN UTAH H =033 KM MAG 4.50- CGS				
30	MN	eP	09 19 06.0	Z	0.5	3.1 (0)	5.6	4.06
		e	09 19 20	Z	0.5	8.7 (0)		
		eL	09 20 29	LT	16	96.6 (1)		
		eL	09 20 32	R	0.6	19.3 (0)		
30	LC	eP	09 19 23.2	Z	0.5	1.4 (0)	7.0	4.08
		e	09 19 40	Z	0.7	6.7 (0)		
		e	09 19 46	Z	0.9	18.0 (0)		
		e	09 19 57	Z	0.6	31.0 (0)		
		eL	09 21 43	LZ	15	86.7 (1)		
		eL	09 21 59	T	0.5	29.0 (0)		
30	MV	eP	09 19 43.6	Z	0.8	1.9 (0)	8.0	4.17
		eL	09 21 51	T	0.6	4.0 (0)		
		eL	09 21 58	LT	15	74.6 (1)		
30	RK	eP	09 21 45.1	Z	0.6	3.1 (0)	18.0	3.64
		eL	09 28 25	LZ	16	42.2 (1)		
30	NP	eP	09 25 02.0	JZ	.8	17.3 (0)	38.0	4.90
30	LV	eL	09 27 48	LZ	18	19.8 (1)	17.0	
30	DH	eL	09 34 19	LZ	11	21.1 (2)	28.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.17
30	09 42 28.1		14.7 S 177.5 W SAMOA ISLANDS REGION H =362 KM MAG 4.20- CGS					
30	LV	eL	10 00 30	LZ	20	10.0 (1)		
30	12 16 09.*		07.2 N 73.6 W COLOMBIA H =116 KM MAG 3.90- CGS					
30	LC	eP	12 23 32.5	Z	0.9	5.7 (0)	40.0	4.35
30	12 36 25.4		52.6 N 169.5 W FOX ALEUTIAN ISLANDS H =033 KM MAG 4.10- CGS					
30	RK	eP	12 44 38.2	Z	0.9	7.6 (0)	45.0	4.56
30	14 01 20.9		12.9 N 89.0 W NEAR COAST OF EL SALVADOR H =065 KM MAG 3.70- CGS					
30	MN	eP	14 08 38.1	Z	0.9	1.2 (0)		
30	15 40 46.3		02.2 S 134.1 E WEST NEW GUINEA H =135 KM MAG 4.70- CGS					
30	22 59 52.8		09.4 N 142.3 E MARIANA ISLANDS REGION H =033 KM MAG 4.40- CGS					

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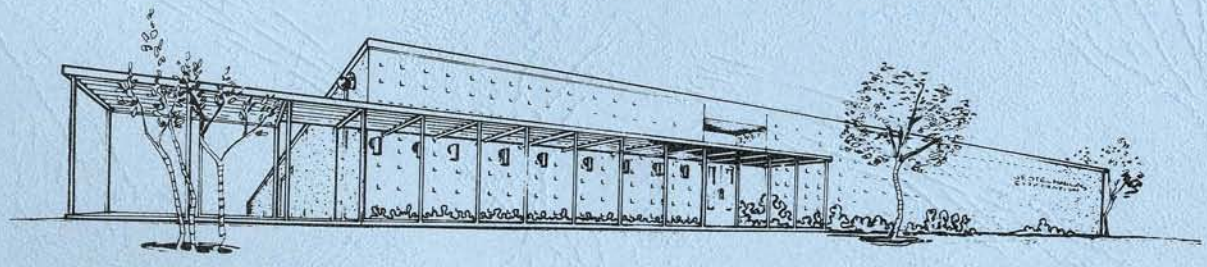
SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No:	VT/4051
ARPA Order No:	104-60
ARPA Code No:	8100
Contractor:	The Geotechnical Corporation Garland, Texas
Contract No:	AF 33(657)-12145

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July 1964

CONTENTS

ILLUSTRATIONS

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TABLES

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at 7 of the 40 mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/4051, Contract AF 33(657)-12145, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the 40 teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM bulletin sites, with the exception of Mould Bay, Canada (NP NT), and Hawaii Island (HW IS), consists of a three-component Benioff short-period seismograph system and a three-component Sprengnether long-period seismograph system. Both systems use phototube

amplifiers. The response characteristics of these systems are shown in figures 1 and 2. A 14-element short-period vertical Benioff seismometer array is in operation at HW IS. A seven-element short-period Johnson-Matheson vertical seismometer array is in operation at NP NT. The response characteristics of this system are shown in figure 3.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by 14-channel Magnetic Tape Recorders, Ampex Model 314.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G.C.T.).

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table:

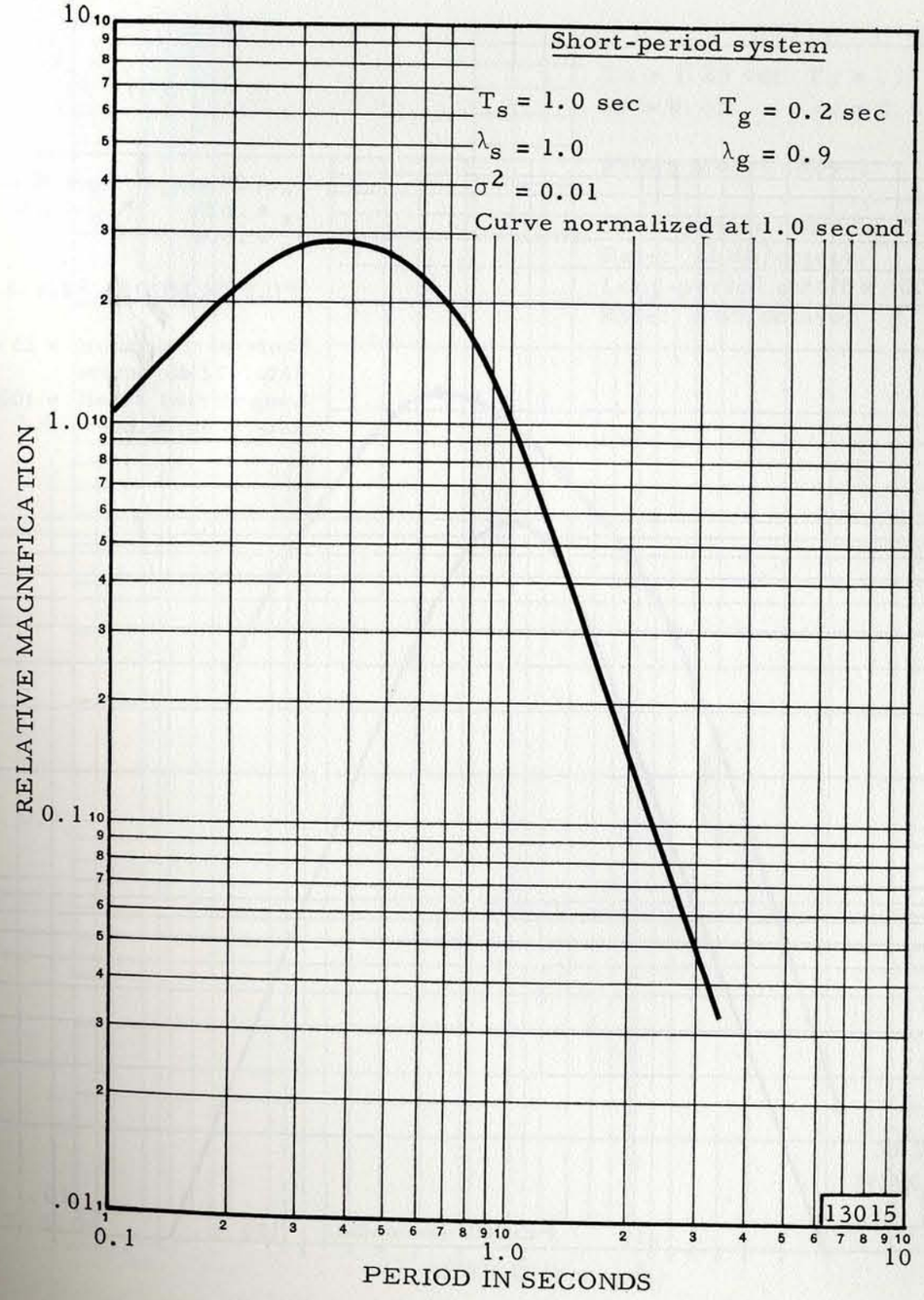


Figure 1. Frequency response of the Benioff short-period seismograph system

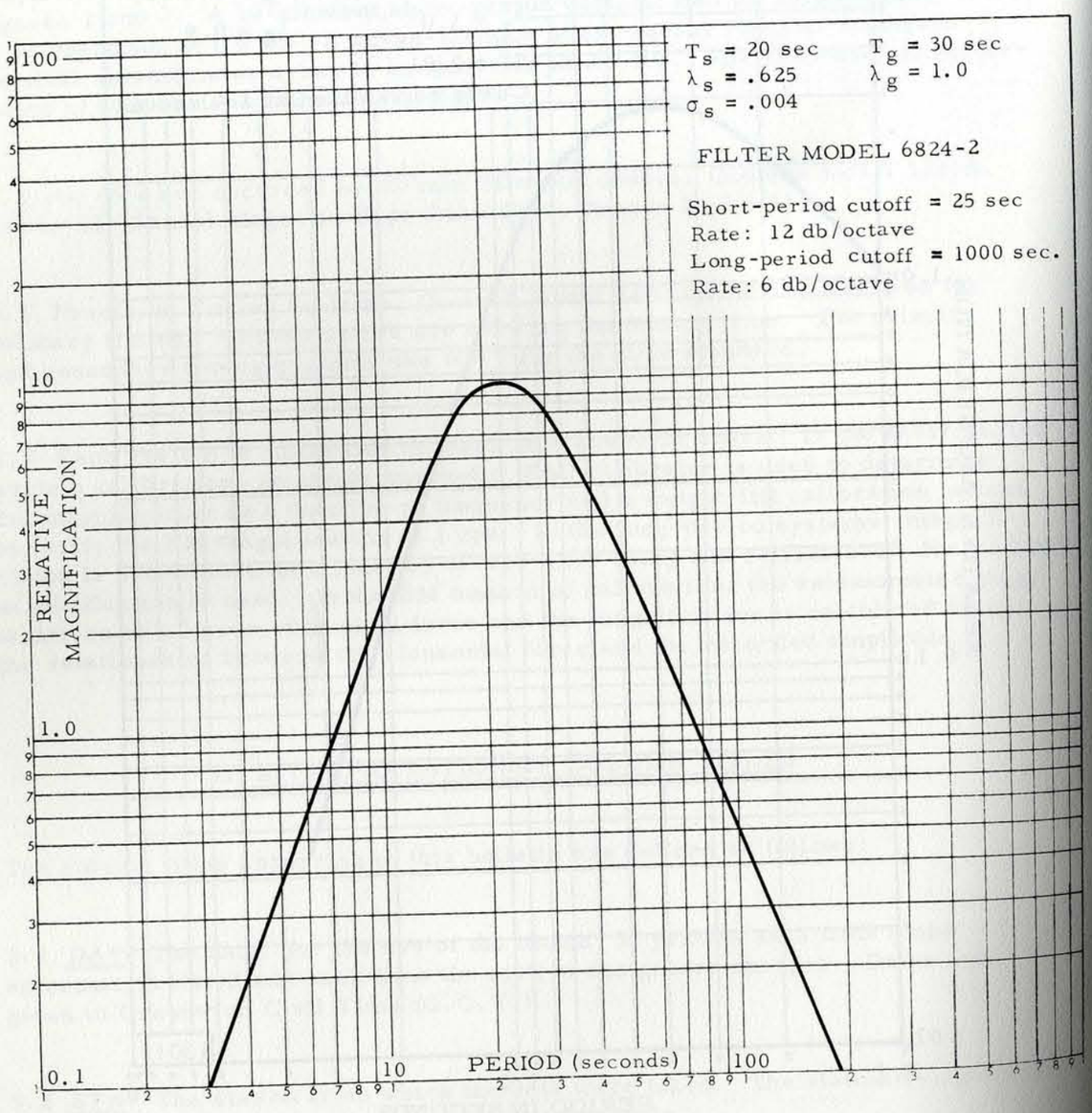


Figure 2. Frequency response of the Sprengnether long-period seismograph system

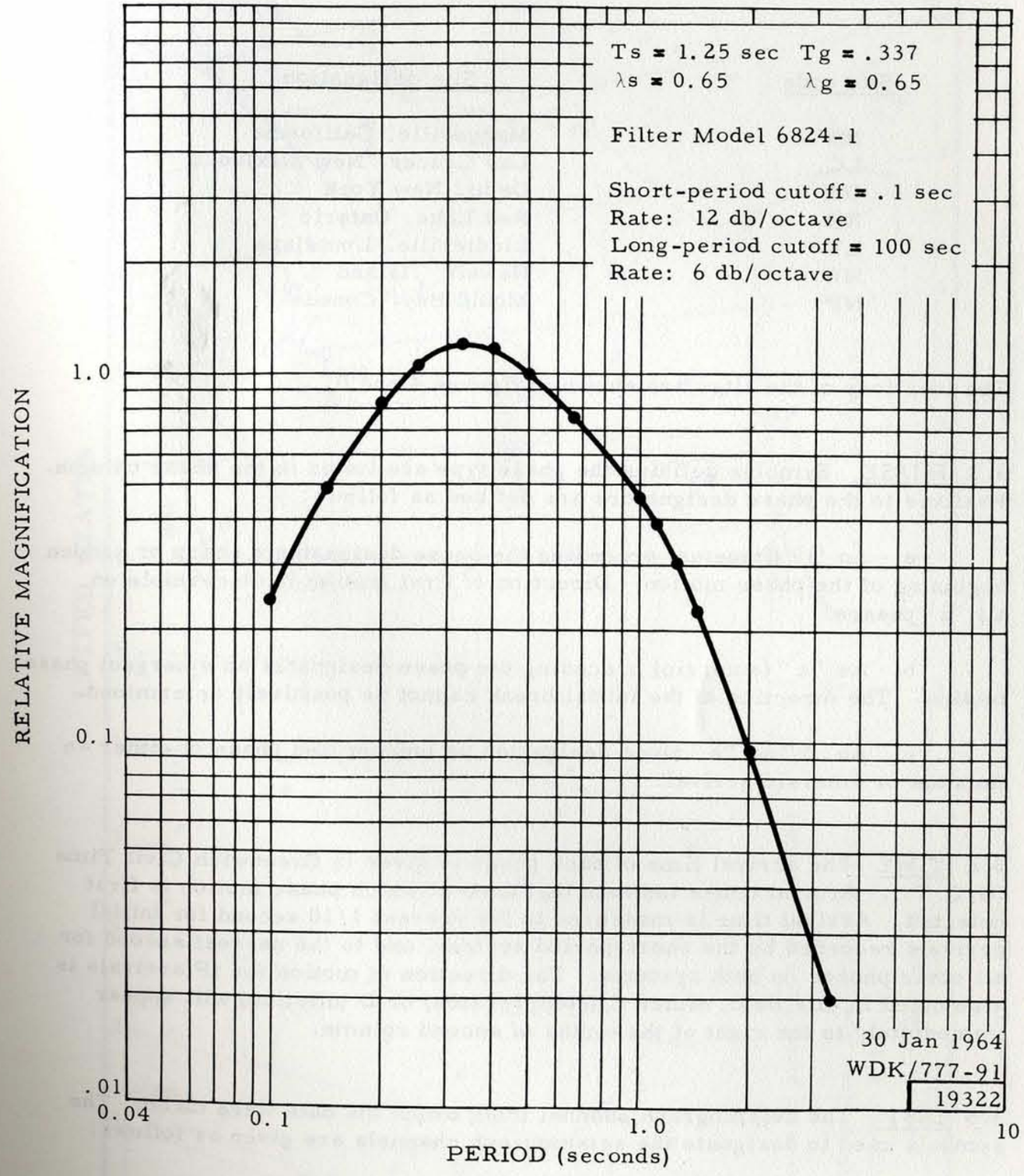


Figure 3. Frequency response of the Johnson-Matheson seismograph system

Site code	Site designation
MV	Marysville, California
LC	Las Cruces, New Mexico
DH	Delhi, New York
RK	Red Lake, Ontario
LV	Liddieville, Louisiana
HW	Hawaii Island
NP	Mould Bay, Canada

The locations of the sites are shown in figures 4 and 5.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (G.C.T.). Arrival times indicate that time at which phase motion is first detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

3.5 INST The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

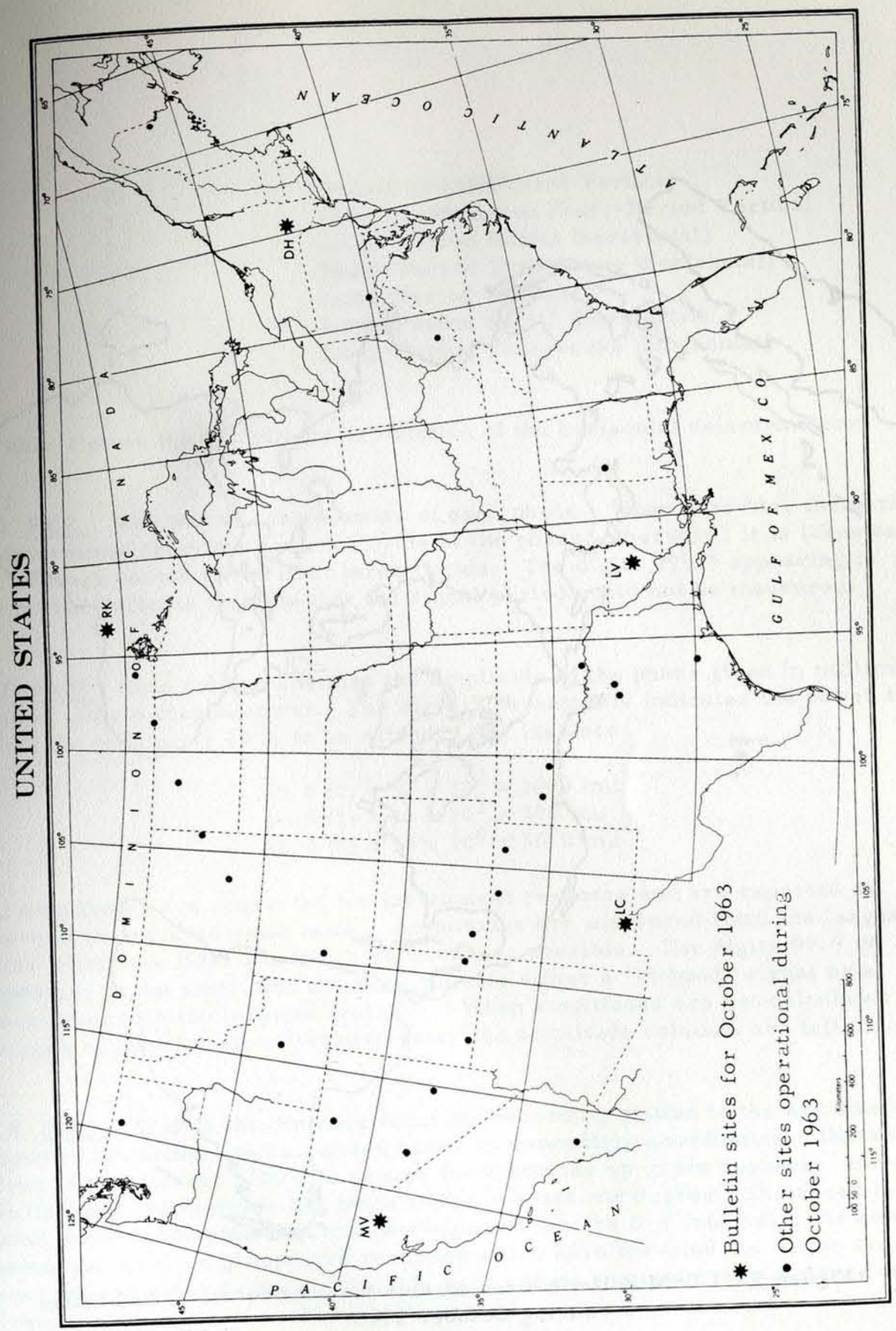


Figure 4. LRSM sites inside the Continental U. S. and Canada during October 1963

Figure 5. LRSM Bulletin Sites outside the continental United States during October 1963

Z	Benioff Short-Period Vertical
JZ	Johnson-Matheson Short-Period Vertical
R[1]	Short-Period Radial (horizontal)
T[1]	Short-Period Transverse (horizontal)
LZ	Long-Period Vertical
LR[1]	Long-Period Radial (horizontal)
LT[1]	Long-Period Transverse (horizontal)

[1] Table 1 gives the instrument orientation of the horizontal seismometers.

3.6 PER The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

3.7 AMP This column contains the amplitude of the phase given in millimicrons (mμ) of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

$$30.0\ (2) = 30 \times 10^{2} = 3000\ m\mu$$
$$30.0\ (1) = 30 \times 10^{1} = 300\ m\mu$$
$$30.0\ (0) = 30 \times 10^{0} = 30.0\ m\mu$$

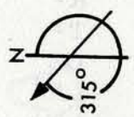
All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9) appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

3.8 DIST This is the distance from the recording station to the epicenter. All reported distances are calculated based on geocentric coordinates. Distance is given to the nearest 1/10 of a degree for distances up to six degrees. Beyond six degrees, calculations are made to the nearest one degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases, the major arc distance is given.

Table 1. LRSM site information

Seismometer orientation
(Azimuth from true north in degrees[1])

Site code	Site designation	Radial	Transverse	Site coordinates in deg, min, sec	Elevation in km	Rock type
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58	1.59	Limestone
RK ON	Red Lake, Ontario	058	148	N 50 50 20 W 93 40 20	0.37	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35	0.18	Volcanics
HW IS	Hawaii Island	235	325	N 19 58 49 W 155 42 20	0.71	Basalt
LV LA	Liddieville, Louisiana	111	201	N 32 08 10 W 91 52 30	0.02	Alluvium
NP NT	Mould Bay, Canada	356	086	N 76 15 08 W 119 22 18	0.06	Alluvium
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18	0.65	Sandstone



[1]When earth moves in direction shown, trace moves up.

3.9 MAG The magnitudes provided are body wave magnitudes, m_b, as defined by Gutenberg and Richter.[1] They are determined only from the short-period vertical component of the "P" phase (initial arrival). The following equation is used:

$$m_b = \log_{10} (A/T) + Q$$

where:

m_b = body wave magnitude

A = 1/2 P-P earth amplitude of "P" phase, in microns

T = Period of "P" phase, in seconds

Q = Depth-distance factor for PZ given by Gutenberg and Richter[1], for distances greater than 16°.

Magnitude computations for distances less than 16° are based on AFTAC extensions of the "Q" tables. Points from 10° to 16° were read from a curve in the Gutenberg-Richter paper, and an inverse cube relationship was used to extrapolate from 2° to 10°.

The average magnitude (sum of station magnitudes/number of stations) is listed on the last line of an epicenter print-out.

When possible, magnitudes are computed for foreshocks and aftershocks as well as for the main event.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

[1]Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Amn. Geofis., 9, pp. 1-15.

The notation AS located between these columns calls attention to an aftershock recorded following the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

Line 1 (from left to right)

First group:	Day of the month
Second group:	Origin time of the event
Third group:	Geographic coordinates of the epicenter
Fourth group:	Geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to 1/2° in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group:	Depth (h) of the hypocenter in kilometers
Second group:	Magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), Palisades (PAL), or USC&GS (CGS)

NOTE

MAG. (CGS) is m_b of Gutenberg and Richter from the P phase only. The magnitude quoted is an average value determined from data forwarded by cooperating Standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC)
VELA Seismological Center
Washington 25, D. C.

ATTN: Captain Nicholas A. Orsini

			TIME	INST	PER	AMPL	DIST	MAG
			00 03 17.6	Z	0.4	2.2 (0)	0.1	
		eS	00 03 20	R	0.4	15.2 (0)		
1	MV	eP	02 13 35.5	Z	0.2	1.5 (0)	1.1	
		eS	02 13 50	R	0.4	2.6 (0)		
1	02 43 27.1		06.8 N 73.1 W COLOMBIA					
			H =132 KM MAG 4.60- CGS					
1	DH	eP	02 50 13.1	Z	0.6	7.8 (0)	35.0	4.71
1	LC	eP	02 50 53.4	Z	0.9	35.8 (0)	40.0	5.10
1	MV	eP	02 52 39.1	Z	0.6	2.0 (0)	54.0	4.20
1	NP	eP	02 54 48.1	JZ	.8	9.9 (0)	74.0	4.66
							AVG.	4.66
1	03 09 40.0		14.5 S 167.5 E NEW HEBRIDES ISLANDS					
			H =170 KM					
1	HW	eP	03 32 46.3	Z	0.2	15.5 (0)	0.1	
		eS	03 32 49	T	0.2	15.2 (1)		
1	05 00 21.8		18.5 N 145.2 E MARIANA ISLANDS					
			H =225 KM MAG 4.40- CGS					
1	NP	eP	05 11 30.5	JZ	.8	4.9 (0)	73.0	4.29
1	MV	eP	05 12 13.4	Z	0.7	2.4 (0)	81.0	4.06
1	LC	eP	05 13 13.5	Z	0.8	2.1 (0)	95.0	4.40
		eLR	05 38 30	LZ	40	81.5 (0)		
							AVG.	4.25
1	05 09 48.*		83.8 N 7.3 W ARCTIC OCEAN					
			H =033 KM MAG 4.20- CGS					
1	MV	eP	08 48 38.5	Z	0.2	3.8 (0)	1.9	
		eS	08 49 04	R	0.4	2.6 (0)		
1	HW	eP	10 06 17.7	Z	0.2	15.5 (0)	0.8	
		eS	10 06 28	T	0.2	76.1 (0)		
1	10 30 31.6		10.2 N 84.5 W COSTA RICA					
			H =046 KM MAG 4.60- CGS					
1	LV	eP	10 35 35.0	Z	1.0	39.5 (0)	23.0	4.80
		eP	10 35 37	LZ	17	14.6 (1)		
		eLR	10 42 23	LZ	30	11.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	LC	eP	10 36 37.1	Z	0.9	2.8 (0)	30.0	4.05
		ePCP	10 39 44	Z	1.0	2.4 (0)		
		eL	10 41 30	LT	22	95.9 (0)		
		eLR	10 46 53	LT	30	63.3 (1)		
		eL	10 47 15	LT	30	63.3 (1)		
		eL	10 47 15	LR	30	33.4 (1)		
		eL	10 47 15	LZ	23	15.8 (1)		
1	DH	eP	10 37 06.8	Z	1.0	9.3 (0)	33.0	4.62
		eP	10 37 08	LZ	12	39.8 (1)		
		e	10 42 55	LT	22	45.7 (1)		
		eLR	10 47 10	LZ	29	49.1 (1)		
		eL	10 50 52	LT	20	16.3 (2)		
		eL	10 50 52	LR	18	99.8 (1)		
		eL	10 50 52	LZ	20	26.3 (2)		
1	RK	eP	10 38 13.0	Z	1.3	24.1 (0)	41.0	4.81
1	NP	eP	10 41 30.3	JZ	1.1	10.5 (0)	69.0	4.79
1	MV	eLR	10 53 50	LZ	28	15.4 (1)	44.0	
1	HW	eLR	11 03 30	LZ	24	30.7 (1)	69.0	
							AVG.	4.61
1	13 22 25.*		52.6 N 168.1 W FOX ALEUTIAN ISLANDS					
			H =033 KM MAG 3.90- CGS					
1	LC	eP	13 31 03.5	Z	0.6	1.0 (0)	48.0	4.03
1	DH	eP	17 16 44.5	Z	0.2	4.4 (0)	2.0	
		eS	17 17 11	R	0.3	48.0 (0)		
1	17 21 54.0		36.1 N 22.3 E SOUTH OF GREECE					
			H =106 KM MAG 4.60- CGS					
1	DH	eP	18 11 33.3	Z	0.3	9.9 (0)	1.5	
		eS	18 11 54	R	0.3	22.1 (0)		
1	LC	eP	20 14 08.4	Z	0.2	1.1 (0)	1.5	
		eS	20 14 28	T	0.2	15.9 (0)		
1	DH	eP	22 55 52.3	Z	0.3	3.3 (0)	1.5	
		eS	22 56 13	R	0.4	17.8 (0)		
1	LV	eLR	23 58 08	LZ	27	12.0 (1)		
2	MV	eP	02 29 17.8	Z	3.0	10.1 (1)	2.5	
		eS	02 29 31	R	3.0	12.2 (2)		
2	03 31 27.0		05.4 S 152.0 E NEW BRITAIN					
			H =065 KM MAG 5.60- CGS					
2	HW	eL	04 00 15	LZ	21	34.8 (1)	57.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	MV	eL	04 13 40	LZ	30	67.7 (1)	91.0	
2	LC	eL	04 19 03	LZ	28	20.3 (1)	102.0	
2	LV	eL	04 26 33	LZ	25	23.1 (1)	115.0	
2	05 47 05.5		20.8 S 174.1 W TONGA ISLANDS H =033 KM MAG 5.30- CGS					
2	MV	eP	05 59 09.0	Z	1.0	9.7 (0)	77.0	4.79
		eP	05 59 09	LZ	16	52.1 (1)		
		eSP	06 09 35	LZ	17	45.5 (1)		
		eLR	06 23 15	LZ	24	90.3 (1)		
2	LC	eP	05 59 32.3	Z	1.0	10.9 (0)	83.0	4.94
		eP	05 59 36	LZ	18	46.8 (1)		
		eS	06 10 00	LR	19	89.9 (1)		
		eSS	06 15 25	LR	19	66.0 (1)		
		eLQ	06 21 47	LR	24	56.3 (1)		
		eLR	06 27 04	LZ	21	10.1 (2)		
2	LV	eP	06 00 53	LZ	16	44.7 (1)	95.0	
		eLR	06 34 05	LZ	22	11.8 (2)		
2	HW	eSSS	06 05 50	LT	21	37.2 (2)	44.0	
		eLQ	06 06 59	LT	13	34.2 (2)		
		eLR	06 11 26	LZ	18	16.8 (2)		
2	RK	eL	06 29 12	LT	27	10.6 (2)	100.0	
2	DH	eLR	06 43 15	LZ	22	16.7 (2)	110.0	
							AVG.	4.86
2	LC	eP	06 28 50.7	Z	0.7	1.6 (0)		
2	09 19 14.*		23.5 S 179.7 E FIJI ISLANDS REGION H =626 KM MAG 3.90- CGS					
2	09 51 41.1		36.3 N 142.4 E HONSHU, JAPAN H =048 KM MAG 4.10- CGS					
2	15 51 48.*		01.7 S 76.0 W ECUADOR H =176 KM MAG 3.70- CGS					
2	16 57 47.*		20.0 S 175.1 W TONGA ISLANDS H =033 KM MAG 4.30- CGS					
2	LC	eP	19 40 39.5	Z	0.3	5.4 (0)	1.4	
		eS	19 40 59	R	0.3	7.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	21 05 14.7		35.1 N 23.5 E NEAR WEST COAST OF CRETE H =072 KM MAG 4.50- CGS					
3	01 22 40.6		18.3 N 105.6 W OFF COAST OF COLIMA, MEX. H =033 KM MAG 4.20- CGS					
3	LC	eP	01 26 02.7	Z	1.0	4.1 (0)	14.0	4.02
		eP	01 26 05	LZ	18	53.8 (0)		
		eS	01 28 40	LR	999.9	99.9 (9)		
		eLR	01 30 00	LZ	23	99.9 (9)		
		eL	01 30 43	R	4.6	52.0 (1)		
3	LV	eP	01 26 56	LZ	13	83.5 (1)	19.0	
		e	01 30 33	LZ	20	57.8 (1)		
		eL	01 32 05	LZ	30	11.9 (2)		
3	MV	eP	01 28 01.7	Z	1.0	3.2 (0)	25.0	3.91
		eS	01 32 43	LR	25	19.8 (1)		
		eLR	01 35 15	LZ	28	86.4 (1)		
		eL	01 35 52	LR	30	62.1 (1)		
		eL	01 35 52	LT	20	34.1 (1)		
		eL	01 35 52	LZ	27	78.9 (1)		
3	RK	eP	01 29 20.5	Z	0.8	2.9 (0)	34.0	4.23
		eLQ	01 39 12	LT	27	23.9 (2)		
		eLR	01 41 35	LZ	15	78.0 (1)		
3	DH	eP	01 29 34.0	Z	0.7	8.4 (0)	35.0	4.78
		e	01 42 20	LR	18	10.2 (2)		
		eL	01 44 50	LZ	15	16.8 (2)		
							AVG.	4.23
3	05 27 58.5		10.1 N 62.5 W NEAR COAST OF VENEZUELA H =062 KM					
3	LC	eP	05 36 23.6	Z	1.0	2.5 (0)	46.0	4.07
3	RK	eP	05 36 32.0	Z	0.6	5.2 (0)	48.0	4.65
							AVG.	4.36
3	05 32 18.4		22.3 N 121.1 E NEAR EAST COAST OF TAIWAN H =055 KM MAG 4.40- CGS					
3	RK	eLR	06 30 10	LZ	22	14.0 (1)	101.0	
3	06 38 32.2		03.4 S 135.7 E WEST NEW GUINEA H =078 KM MAG 5.40- CGS					
3	07 52 25.*		30.5 S 177.6 W KERMADEC ISLANDS H =033 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	13 53 44.1		15.3 S 173.4 W TONGA ISLANDS H =036 KM MAG 4.30- CGS					
3	LC	eP	14 05 50.3	Z	1.0	7.5 (0)	80.0	4.53
		e	14 06 13	Z	1.0	4.1 (0)		
		eLR	14 30 25	LZ	23	83.7 (0)		
3	15 48 17.2		58.5 S 25.1 W SANDWICH ISLANDS H =054 KM					
3	LV	ePD	16 02 35	LZ	20	19.9 (1)	106.0	
		ePP	16 06 50	LZ	22	35.1 (1)		
		eSP	16 16 06	LZ	22	84.0 (1)		
		eLR	16 43 20	LZ	28	68.7 (1)		
3	LC	ePD	16 03 00	LZ	19	90.1 (0)	112.0	
		ePP	16 07 50	LR	20	27.3 (1)		
		ePS	16 17 25	LR	28	42.4 (1)		
		eSS	16 22 55	LR	29	59.7 (1)		
		eSSS	16 26 50	LR	23	28.5 (1)		
		e	16 31 20	LR	23	40.8 (1)		
		eLQ	16 37 37	LR	29	59.7 (1)		
		eLR	16 44 45	LZ	28	60.5 (1)		
3	RK	eP'	16 07 07.2	Z	0.7	2.4 (0)	122.0	
		e	16 16 18	LT	19	65.3 (1)		
		eSS	16 25 43	LT	24	10.1 (2)		
		e	16 37 53	LR	24			
		e	16 40 30	LR	26			
		e	16 45 45	LR	27			
		eLR	16 50 10	LZ	29	13.6 (2)		
3	MV	eP'	16 07 12.5	Z	0.7	2.4 (0)	125.0	
		ePP	16 09 05	LZ	23	19.1 (1)		
		ePKS	16 10 40	LR	20	20.6 (1)		
		eSKKP	16 20 45	LZ	24	36.1 (1)		
		e	16 27 10	LR	39	11.6 (2)		
		e	16 47 38	LZ	25	43.5 (1)		
		eLR	16 49 37	LZ	25	66.2 (1)		
		eL	16 55 10	LR	20	73.4 (1)		
		eL	16 55 10	LT	15	18.0 (2)		
		eL	16 55 10	LZ	17	15.3 (2)		
3	DH	ePP	16 07 13	LZ	24	46.6 (1)	109.0	
		eSP	16 16 15	LZ	22	44.7 (1)		
		eSS	16 22 47	LT	25	13.9 (2)		
		eL	16 43 20	LZ	27	88.5 (1)		
3	NP	eP'1	16 07 54.5	JZ	.7	20.7 (0)	146.0	
		eSKP	16 11 33	JZ	1	8.8 (0)		
3	HW	eSS	16 26 43	LT	25	24.0 (2)	128.0	
		eLR	16 48 15	LZ	25	19.8 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	17 55 54.2		58.6 S 25.5 W SANDWICH ISLANDS H =033 KM MAG 5.50- CGS					
3	MV	eP'	18 14 52.7	Z	1.3	21.9 (0)	125.0	
3	NP	eP'1	18 15 31.5	JZ	1	35.3 (0)	146.0	
		eSKP	18 19 10	JZ	1	4.4 (0)		
3	LC	eP	18 28 21.3	Z	0.3	2.6 (0)	2.8	
		e	18 28 26	Z	0.3	3.5 (0)		
		eS	18 28 58	R	0.4	7.9 (0)		
3	NP	eP	18 36 06.5	JZ	1	7.3 (0)		
3	NP	eP	18 55 05.1	JZ	1	7.3 (0)		
3	18 42 22.3		39.2 N 115.2 W NEVADA H =033 KM					
3	HW	eP	19 57 11.3	Z	0.3	15.5 (0)	1.4	
		eS	19 57 28	T	0.3	28.5 (0)		
3	LC	eP	20 21 46.2	Z	0.2	10.3 (0)	1.5	
		eS	20 22 05	R	0.3	10.4 (0)		
3	23 24 34.7		32.2 N 131.6 E KYUSHU, JAPAN H =033 KM MAG 6.50- PAS					
3	NP	eP	23 35 02.5	JZ	1.2	69.7 (0)	63.0	5.59
3	HW	eP	23 35 24.5	Z	1.0	86.9 (0)	65.0	5.84
		eP	23 35 27	LZ	14	20.2 (2)		
		eS	23 44 00	LR	21	12.5 (3)		
		e	23 51 12	LR	24	74.0 (2)		
		eL	23 54 40	LT	24	80.9 (2)		
3	MV	eP	23 36 52.0	Z	1.0	16.2 (0)	82.0	5.01
		eP	23 36 52	LZ	15	18.2 (2)		
		eS	23 47 05	LT	20	47.8 (2)		
		eSS	23 52 38	LT	20	29.8 (2)		
		eL	23 58 38	LT	32	72.7 (2)		
3	RK	eP	23 37 22.8	Z	1.0	45.0 (0)	88.0	5.65
		eP	23 37 23	LZ	16	18.8 (2)		
		e	23 37 32	Z	1.3	15.8 (1)		
		ePP	23 40 50	Z	1.8	71.4 (0)		
		ePP	23 40 50	LZ	16	14.2 (2)		
		eS	23 48 10	LT	24	31.5 (2)		
		ePS	23 49 25	LT	24	23.6 (2)		
		eSS	23 53 52	LT	20	99.9 (9)		
3	LC	eP	23 37 57.4	Z	1.0	4.1 (0)	95.0	4.81
		eP	23 37 58	LZ	17	63.7 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	23 38 08	Z	0.8	5.4 (0)		
		ePP	23 41 50	LZ	19	38.6 (1)		
		ePP	23 42 00	Z	1.4	5.9 (0)		
		eSKS	23 48 45	LT	26	99.9 (9)		
		ePS	23 50 20	LR	18	99.9 (9)		
		eSS	23 55 05	LT	23	99.9 (9)		
		e	23 55 24	Z	1.0	3.3 (0)		
		eSSS	23 59 25	LR	16	19.3 (2)		
4	LC	eL	00 01 40	LT	24	99.9 (9)	95.0	
		eL	00 04 15	LT	23	99.9 (9)		
3	DH	eP	23 38 30	LZ	17	65.2 (1)	102.0	
		ePP	23 42 45	LZ	16	14.9 (2)		
		eS	23 50 09	LR	26	22.2 (2)		
3	LV	eP	23 38 30	LZ	15	72.6 (1)	104.0	
		ePP	23 42 53	LZ	13	21.6 (2)		
		eSP	23 52 03	LZ	19	11.8 (2)		
							AVG.	5.38
4	00 27 56.7		32.8 N 131.4 E	KYUSHU, JAPAN				
			H =021 KM MAG	4.90-	CGS			
4	RK	eP	00 40 45.1	Z	1.0	17.5 (0)	88.0	5.24
4	02 47 32.1		20.7 S 174.0 W	TONGA ISLANDS				
			H =033 KM MAG	5.30-	CGS			
4	MV	eP	02 59 26.7	Z	1.5	23.9 (0)	77.0	5.00
4	LC	eP	02 59 58.7	Z	0.7	9.1 (0)	83.0	5.01
4	RK	eLQ	03 29 27	LT	31	64.4 (1)	100.0	
		eLR	03 35 21	LZ	24	49.0 (1)		
		eL	03 40 55	LR	20	17.3 (2)		
		eL	03 40 55	LT	20	93.0 (1)		
		eL	03 40 55	LZ	20	23.0 (2)		
4	LV	eL	03 31 46	LZ	24	53.8 (1)	94.0	
		eLR	03 35 30	LZ	21	14.5 (2)		
4	DH	eL	03 45 24	LZ	20	13.7 (2)	110.0	
							AVG.	5.00
4	03 44 28.5		58.4 S 25.0 W	SANDWICH ISLANDS				
			H =033 KM MAG	5.20-	CGS			
4	NP	eP*1	04 04 07.5	JZ	1.1	16.0 (0)	146.0	
4	NP	eP	04 22 15.5	JZ	1	8.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	07 14 53.2		49.0 N 131.9 W	VANCOUVER ISLAND REGION				
			H =033 KM MAG	4.40-	CGS			
4	MV	eP	07 17 49.4	Z	1.1	30.1 (0)	12.0	5.31
4	RK	eP	07 20 28.3	Z	0.9	9.6 (0)	25.0	4.43
		eL	07 27 40	LT	19	48.5 (1)		
4	LC	eL	07 24 42	LT	25	29.4 (1)	25.0	
		eL	07 26 40	LT	24	54.6 (1)		
							AVG.	4.87
4	08 34 53.*		16.1 N 96.8 W	NEAR COAST OAXACA, MEXICO				
			H =041 KM MAG	4.50-	CGS			
4	LC	eP	08 39 08.0	Z	0.5	5.1 (0)	19.0	4.05
		eL	08 44 20	LT	21	15.0 (2)		
		eL	08 44 50	R	3.5	12.2 (1)		
4	NP	eP	08 45 07.0	JZ	.8	10.5 (0)	101.0	5.46
							AVG.	4.75
4	13 29 44.6		18.1 N 60.1 E	ARABIAN SEA				
			H =033 KM MAG	5.30-	CGS			
4	14 04 57.*		52.0 N 169.7 E	ALEUTIAN NEAR ISLANDS				
			H =033 KM MAG	4.30-	CGS			
4	LC	eL	14 41 18	LR	19	15.8 (1)		
4	17 01 21.*		34.9 N 23.1 E	WEST OF CRETE				
			H =033 KM					
4	17 49 11.7		30.2 N 114.3 W	GULF OF CALIFORNIA				
			H =014 KM MAG	4.80-	CGS			
4	LC	eL	17 52 45	LT	15	28.6 (2)	6.9	
4	MV	eL	17 54 48	Z	1.5	14.3 (0)	11.0	
		eL	17 54 57	LZ	22	75.1 (1)		
4	17 58 19.*		30.6 N 113.9 W	GULF OF CALIFORNIA				
			H =014 KM MAG	4.10-	CGS			
4	DH	eP	17 59 43.3	Z	0.7	8.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	21	15 24.6	30.0 N 114.3 W GULF OF CALIFORNIA H =014 KM MAG 4.30- CGS					
4	LC	eP	21 17 11.2	Z	0.3	2.7 (0)	7.0	4.68
		eL	21 19 18	LR	17	73.9 (1)		
		eL	21 19 27	R	0.8	30.5 (0)		
4	21	19 11.5	30.1 N 114.3 W GULF OF CALIFORNIA H =014 KM MAG 5.00- CGS					
4	LC	eL	21 22 50	LR	999.9	99.9 (9)	7.0	
		eL	21 23 04	R	1.4	76.0 (0)		
4	MV	eL	21 24 52	Z	1.2	10.0 (0)	11.0	
4	LV	eL	21 30 08	LZ	20	49.6 (1)	19.0	
4	DH	eL	21 37 05	LT	19	76.4 (1)	34.0	
5	00	14 52.1	15.7 S 173.3 W TONGA ISLANDS H =033 KM MAG 4.60- CGS					
5	LC	eP	00 26 59.0	Z	0.8	4.0 (0)	80.0	4.37
		eL	00 52 50	LZ	25	11.2 (1)		
5	RK	eL	01 01 25	LR	25	11.9 (1)	96.0	
5	LC	eP	00 48 03.9	Z	0.8	1.7 (0)		
5	01	55 35.2	16.0 S 173.2 W TONGA ISLANDS H =079 KM MAG 5.50- CGS					
5	MV	eP	02 06 59.5	Z	1.1	51.7 (0)	73.0	5.33
		eL	02 28 50	LZ	26	79.6 (1)		
5	LC	eP	02 07 36.9	Z	1.3	13.2 (1)	80.0	5.62
		eP	02 07 40	LZ	18	22.0 (1)		
		eS	02 17 45	LR	21	19.0 (1)		
		ePS	02 18 40	LR	20	20.0 (1)		
		eSS	02 23 04	LT	20	19.4 (1)		
		eLR	02 32 27	LZ	24	54.0 (1)		
		eL	02 37 10	LR	18	84.1 (1)		
		eL	02 37 10	LT	19	76.2 (1)		
		eL	02 37 10	LZ	19	12.3 (2)		
5	RK	eP	02 08 51.7	Z	1.2	30.6 (0)	96.0	5.70
		eLQ	02 35 53	LT	16	11.5 (1)		
		eLR	02 41 10	LZ	29	59.8 (1)		
		eL	02 44 40	LR	22	85.0 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	02 44 40	LT	18	15.0 (1)		
		eL	02 44 40	LZ	24	11.9 (2)		
5	HW	eL	02 19 02	LZ	23	12.5 (2)	40.0	
5	DH	eSS	02 29 35	LR	23	26.5 (1)	107.0	
		eL	02 46 50	LZ	33	38.5 (1)		
5	LV	eL	02 38 21	LZ	28	31.0 (1)	91.0	
							AVG.	5.55
5	LC	eP	02 36 16.5	Z	0.7	2.4 (0)		
5	04	22 26.*	43.9 N 144.4 E HOKKAIDO, JAPAN H =033 KM MAG 4.90- CGS					
5	LC	eP	04 34 35.1	Z	1.0	3.9 (0)	80.0	4.26
5	04	22 54.1	43.7 N 127.1 W OFF COAST OF OREGON H =016 KM MAG 4.20- CGS					
5	MV	eP	04 24 26.7	Z	0.9	8.6 (0)	6.2	4.48
5	04	39 59.*	34.7 N 22.9 E WEST OF CRETE H =033 KM MAG 4.50- CGS					
5	05	15 32.4	15.9 S 173.2 W TONGA ISLANDS H =033 KM MAG 4.90- CGS					
5	MV	eP	05 27 03.1	Z	0.9	3.7 (0)	73.0	4.41
5	LC	eP	05 27 40.0	Z	0.9	8.3 (0)	80.0	4.63
		eL	05 52 03	LZ	26	28.4 (1)		
		eL	05 57 00	LR	20	45.7 (1)		
		eL	05 57 00	LT	19	36.2 (1)		
		eL	05 57 00	LZ	18	61.0 (1)		
5	LV	eL	05 58 18	LZ	30	16.8 (1)	91.0	
5	RK	eL	05 59 03	LT	30	34.2 (1)	96.0	
		eL	06 02 42	LZ	23	15.1 (1)		
5	DH	eL	06 08 10	LZ	27	12.4 (1)	107.0	
							AVG.	4.52
5	06	16 26.*	11.7 N 85.1 W NICARAGUA H =159 KM MAG 3.80- CGS					
5	06	18 37.9	15.6 S 173.1 W TONGA ISLANDS H =033 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	LC	eP	06 30 43.4	Z	0.9	3.0 (0)	79.0	4.26
5	06 41 06.7		02.7 N 127.4 E MOLUCCA SEA H =175 KM MAG 4.70- CGS					
5	07 32 19.*		28.8 N 139.2 E SOUTH OF HONSHU, JAPAN H =454 KM MAG 4.60- CGS					
5	NP	eP	07 42 13.5	JZ	.7	37.1 (0)	65.0	5.12
5	MV	eP	07 43 36.2	Z	1.0	11.2 (0)	79.0	4.39
5	RK	eP	07 44 19.5	Z	0.7	13.6 (0)	88.0	4.83
							AVG.	4.78
5	LC	eP	10 35 36.6	Z	1.0	2.9 (0)		
		eL	11 06 25	LZ	23	56.8 (0)		
5	11 55 56.7		47.4 N 128.6 W OFF COAST OF WASHINGTON H =033 KM MAG 4.30- CGS					
5	MV	eP	11 58 18.4	Z	1.4	49.9 (0)	9.8	5.55
		eL	12 00 07	Z	1.3	18.6 (0)		
		eL	12 01 05	LZ	18	80.1 (1)		
5	LC	eP	12 00 56.0	Z	1.0	1.9 (0)	22.0	3.46
		e	12 02 43	Z	1.0	1.9 (0)		
		e	12 05 11	LT	24	21.1 (1)		
		eL	12 07 26	LT	23	55.5 (1)		
5	RK	eP	12 00 56.9	Z	0.9	9.5 (0)	23.0	4.26
		e	12 02 44	Z	1.0	12.4 (0)		
		eL	12 08 00	LT	20	38.5 (1)		
5	DH	eL	12 16 20	LR	15	45.3 (1)	38.0	
							AVG.	4.42
5	12 49 20.3		15.7 S 173.6 W TONGA ISLANDS H =033 KM MAG 4.20- CGS					
5	HW	eP	13 58 23.1	Z	0.5	99.3 (0)		
5	HW	eP	14 14 20.9	Z	0.5	11.9 (1)	2.3	
		eS	14 14 49	R	0.4	23.9 (1)		
		eP	14 21 00.2	Z	0.5	39.7 (0)		
		eS	14 21 29	T	0.7	15.3 (1)		
5	HW	eP	14 25 14.5	Z	0.6	44.0 (0)	2.0	
		eS	14 25 44	R	0.6	47.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	14 57 47.4		11.6 N 42.8 E FRENCH SOMOLILAND H =033 KM MAG 5.30- CGS					
5	NP	eP	15 10 54.3	JZ	1.1	12.0 (0)	92.0	5.14
5	MV	ePD	15 14 23.7	Z	1.0	3.2 (0)	127.0	
		e	15 17 20	LZ	15	32.1 (1)		
		eL	15 58 30	LZ	37	15.2 (2)		
5	LC	eP'	15 16 56.9	Z	0.7	0.9 (0)	127.0	
		eSKKS	15 26 01	LR	15	28.3 (1)		
		eSSS	15 36 02	LR	24	63.4 (1)		
		eLQ	15 49 30	LR	23	42.2 (1)		
		eLR	16 04 35	LZ	29	19.1 (2)		
5	DH	eLQ	15 40 20	LT	31	12.9 (2)	102.0	
		eLR	15 48 19	LZ	27	14.0 (2)		
		eL	15 52 51	LR	24	41.1 (2)		
		eL	15 52 51	LT	21	16.8 (2)		
		eL	15 52 51	LZ	23	45.6 (2)		
5	RK	eL	15 46 35	LT	33	13.5 (2)	107.0	
5	LV	eL	15 58 36	LZ	24	12.2 (2)	119.0	
5	HW	eLQ	16 08 35	LR	33	24.5 (2)	144.0	
		eLR	16 12 40	LZ	29	20.2 (2)		
5	DH	eP	16 51 57.7	Z	0.3	6.1 (0)	1.6	
		eS	16 52 20	T	0.3	37.0 (0)		
5	16 54 57.7		16.9 S 28.6 E SOUTHERN RHODESIA H =033 KM MAG 4.90- CGS					
5	MV	eP'1	17 14 35.8	Z	0.8	5.7 (0)	146.0	
5	17 18 25.0		11.7 N 42.6 E FRENCH SOMALILAND H =033 KM					
5	LV	eL	18 21 08	LZ	25	25.0 (1)	118.0	
5	LC	eL	18 25 18	LZ	25	12.5 (1)	127.0	
5	18 40 46.1		52.0 N 131.7 W QUEEN CHARLOTTE ISLANDS H =057 KM MAG 3.90- CGS					
5	20 20 02.7		52.1 N 178.1 E RAT ALEUTIAN ISLANDS H =140 KM MAG 4.90- CGS					
5	NP	eP	20 26 32.1	JZ	.7	28.9 (0)	34.0	5.13

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	20 27 06	JZ	.7	9.2 (0)		
5	MV	eP	20 27 50.0	Z	0.8	4.7 (0)	43.0	4.19
5	RK	eP	20 28 55.2	Z	0.7	32.1 (0)	52.0	5.26
5	LC	eP	20 29 31.5	Z	0.9	9.0 (0)	56.0	4.68
							AVG.	4.81
5	DH	eP	20 56 02.9	Z	0.8	10.1 (0)		
5	LC	eP	23 12 10.0	Z	0.2	0.4 (0)	3.6	
		eS	23 12 55	R	0.4	6.7 (0)		
5	23 50 46.3		45.3 N 150.0 E KURILE ISLANDS H =050 KM MAG 4.30- CGS					
6	HW	eP	05 27 09.2	Z	0.3	39.1 (0)	1.3	
		eS	05 27 25	T	0.5	18.1 (1)		
6	LC	eL	06 21 50	LZ	19	61.1 (0)		
6	HW	eP	06 54 15.0	Z	0.3	52.1 (0)	1.8	
		eS	06 54 39	R	0.4	44.6 (1)		
6	HW	eP	07 40 13.6	Z	0.3	13.0 (0)	2.2	
		eS	07 40 42	R	0.5	84.2 (0)		
6	08 48 12.4		21.9 N 127.4 W SOUTHWEST GUADALUPE ISLAND H =033 KM MAG 4.00- CGS					
6	LC	eP	08 53 00.7	Z	0.9	3.0 (0)	21.0	3.62
		eLR	08 58 25	LZ	22	10.8 (1)		
6	12 10 48.*		09.0 S 75.0 W CENTRAL PERU H =082 KM MAG 4.10- CGS					
6	HW	eP	14 06 05.6	Z	0.4	12.5 (0)	1.8	
		eS	14 06 31	T	0.5	75.4 (0)		
6	15 01 42.1		22.0 S 69.4 W NORTHERN CHILE H =033 KM MAG 4.60- CGS					
6	LC	eP	15 12 18.5	Z	1.0	2.6 (0)	65.0	4.32
6	HW	eP	16 19 34.5	Z	0.2	17.3 (0)	2.3	
		eS	16 20 03	T	0.3	71.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	17 15 33.9		33.9 S 70.0 W CENTRAL CHILE H =101 KM MAG 5.10- CGS					
6	LV	eP	17 26 29.6	Z	0.7	39.9 (0)	69.0	5.36
6	LC	eP	17 27 02.3	Z	1.0	10.0 (1)	74.0	5.60
		eP	17 27 25	LZ	20	78.1 (0)		
		eS	17 36 30	LT	19	13.2 (1)		
		eL	17 49 50	LT	20	12.6 (1)		
6	DH	eP	17 27 11.2	Z	0.9	13.0 (0)	76.0	4.76
6	RK	eP	17 28 07.4	Z	0.8	28.2 (0)	87.0	5.35
6	MV	eP	17 28 08.0	Z	1.2	17.2 (0)	87.0	4.96
6	NP	eP'	17 34 01.4	JZ	.9	5.2 (0)	114.0	
							AVG.	5.20
6	HW	eP	17 17 33.7	Z	0.3	65.1 (0)	2.7	
		eS	17 18 08	T	0.5	40.7 (1)		
6	LC	eP	17 32 47.0	Z	0.3	5.6 (0)	2.9	
		e	17 32 52	Z	0.3	5.6 (0)		
		eS	17 33 24	T	0.4	11.2 (0)		
6	20 45 42.1		15.4 S 69.9 W SOUTHERN PERU H =230 KM MAG 3.70- CGS					
6	LC	eP	21 56 53.1	Z	0.4	0.9 (0)	2.1	
		eS	21 57 20	R	0.5	2.2 (0)		
6	22 08 39.*		53.8 N 164.6 W FOX ALEUTIAN ISLANDS H =033 KM MAG 4.00- CGS					
6	HW	eP	22 26 42.4	Z	999.9	99.9 (9)	0.9	
		eS	22 26 55	T	0.2	64.7 (1)		
7	03 59 54.1		11.6 N 86.9 W NEAR WEST COAST NICARAGUA H =050 KM MAG 4.50- CGS					
7	LV	eP	04 04 39.0	Z	0.7	19.9 (0)	21.0	4.55
		eL	04 10 36	LZ	30	54.9 (1)		
7	DH	eP	04 06 21.6	Z	0.9	26.1 (0)	32.0	5.06
7	RK	eP	04 07 20.0	Z	0.8	8.8 (0)	40.0	4.54
		eL	04 20 35	LR	23	12.1 (1)		
7	MV	eP	04 07 35.5	Z	1.4	7.6 (0)	41.0	4.29
7	LC	e	04 11 10	LZ	24	11.9 (1)	28.0	
		eL	04 13 40	LR	37	26.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
							AVG.		4.61
7	NP	eP	05 10 42.1	JZ	.7	10.4 (0)			
7	LV	eL	05 47 19	LZ	23	30.3 (1)			
7	RK	eL	05 52 07	LT	18	31.4 (2)			
7	RK	eL	05 55 10	LZ	16	11.5 (2)			
7	05 35 16.7		19.8 N 109.1 W REVILLA GIGEDO IS. REGION H =033 KM MAG 4.70- CGS						
7	MV	eP	05 40 10.0	Z	1.4	7.6 (0)		22.0	3.90
		eL	05 46 53	LZ	22	32.0 (1)			
7	NP	eP	05 44 57.5	JZ	1.5	33.0 (0)		57.0	5.14
7	HW	eL	05 55 00	LZ	22	38.1 (1)		44.0	
							AVG.		4.52
7	LC	e	10 40 53	LR	999.9	99.9 (9)			
7	11 16 06.0		12.1 S 65.4 E NORTHEAST OF MASCARENE IS. H =033 KM						
7	MV	eP*1	11 36 09.1	Z	0.9	2.4 (0)		152.0	
7	12 43 53.6		12.9 S 76.8 W CENTRAL PERU H =069 KM MAG 5.40- CGS						
7	DH	eP	12 53 19.0	Z	1.1	10.4 (1)		55.0	5.77
		e	12 54 32	Z	1.0	85.0 (0)			
7	RK	eP	12 54 27.8	Z	1.0	99.5 (0)		65.0	5.79
7	MV	eP	12 54 37.2	Z	1.5	28.4 (0)		66.0	5.07
7	NP	eP	12 56 58.0	JZ	1.2	36.1 (0)		92.0	5.57
		ePP	13 00 29	JZ	2	26.4 (0)			
7	LC	ePS	13 00 39	LR	25	84.2 (0)		53.0	
		e	13 05 08	LR	28	91.5 (0)			
		eLQ	13 08 57	LR	35	17.0 (1)			
		eLR	13 12 05	LZ	25	26.2 (1)			
		eL	13 13 05	LZ	26	45.4 (1)			
		eL	13 13 05	LR	27	45.3 (1)			
		eL	13 13 05	LT	21	27.1 (1)			
7	LV	eL	13 07 51	LZ	25	20.0 (1)		47.0	
							AVG.		5.55
7	13 14 24.6		23.6 S 179.9 E FIJI ISLANDS REGION H =550 KM MAG 5.70- CGS						

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
7	HW	eP	13 22 26.3	Z	0.8	83.8 (1)		49.0	6.27
		eP	13 22 27	LZ	17	59.1 (1)			
		eS	13 29 00	LT	22	26.8 (2)			
		e	13 32 06	LT	21	15.7 (2)			
7	MV	eP	13 25 54.7	Z	1.3	24.8 (1)		83.0	5.58
		eP	13 25 55	LZ	17	55.6 (1)			
		e	13 27 06	Z	1.5	23.7 (0)			
		epP	13 27 55	LZ	16	42.4 (1)			
		epP	13 27 56	Z	1.8	13.8 (1)			
		e	13 28 09	Z	1.8	61.4 (0)			
		e	13 28 48	LZ	17	50.3 (1)			
		ePP	13 29 05	Z	1.7	73.9 (0)			
		e	13 30 27	LT	21	20.1 (2)			
		eS	13 35 25	R	2.3	93.3 (0)			
		eSCS	13 35 27	LR	14	10.5 (2)			
		eSCS	13 35 35	T	3.6	25.4 (1)			
		e	13 39 03	LR	24	81.3 (1)			
		eSS	13 41 04	LR	22	66.0 (1)			
7	LC	eP	13 26 22	LZ	19	36.6 (1)		89.0	
		epP	13 28 25	LZ	17	36.3 (1)			
		e	13 29 17	LZ	20	39.0 (1)			
		ePP	13 30 05	LZ	22	29.3 (1)			
		e	13 36 05	LT	21	99.9 (9)			
		e	13 40 00	LR	22	10.0 (2)			
		e	13 41 10	LR	25	37.9 (1)			
7	RK	ePP	13 32 04	Z	1.5	73.1 (0)		106.0	
		ePP	13 32 05	LZ	15	41.0 (1)			
		eSKS	13 37 20	LR	14	79.4 (1)			
		eS	13 38 55	LT	15	25.1 (2)			
							AVG.		5.92
7	RK	eP	16 46 44.4	Z	1.0	14.9 (0)			
7	DH	eP	18 24 04.0	Z	0.3	12.1 (0)		1.6	
		eS	18 24 55	R	0.4	30.7 (0)			
7	21 30 30.0		44.8 N 114.4 W CENTRAL IDAHO H =033 KM MAG 3.50- CGS						
7	21 38 53.9		01.0 S 147.5 E ADMIRALTY ISLANDS REGION H =068 KM MAG 5.00- CGS						
7	MV	eP	21 51 58.4	Z	1.0	3.2 (0)		92.0	4.60
7	HW	eL	23 29 15	LZ	23	99.1 (1)			
7	23 34 26.6		42.7 N 110.5 E OUTER INNER MONGOLIA H =033 KM MAG 4.90- CGS						

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	NP	eP	23 44 14.0	JZ	.8	20.7 (0)	57.0	5.21
7	RK	eP	23 47 00.0	Z	0.9	17.2 (0)	84.0	5.18
7	MV	eP	23 47 03.7	Z	0.8	1.9 (0)	86.0	4.21
							AVG.	4.86
7	MV	eL	23 46 42	LZ	24	21.0 (1)		
7	LC	eL	23 47 48	LZ	27	78.1 (0)		

8 00 17 01.1 15.1 S 173.2 W SAMOA ISLANDS REGION
H =033 KM MAG 6.00- PAS

8 01 04 35.1 03.1 S 128.8 E CERAM
H =033 KM MAG 4.20- CGS

8 02 02 53.4 21.2 S 177.9 W FIJI ISLANDS REGION
H =380 KM MAG 4.40- CGS

8 02 51 06.0 28.6 N 95.1 E ASSAM, INDIA
H =024 KM MAG 5.40- CGS

8 02 59 56.* 19.5 N 65.6 W OFF N. COAST PUERTO RICO
H =033 KM MAG 4.00- CGS

8 03 10 33.0 03.4 S 150.8 E BISMARCK SEA
H =033 KM MAG 5.10- CGS

8 05 40 28.7 39.0 N 20.4 E NEAR IONIAN COAST, GREECE
H =033 KM MAG 4.30- CGS

8 06 25 08.* 06.6 S 71.6 W WESTERN BRAZIL
H =557 KM MAG 3.70- CGS

8 06 26 17.6 11.3 N 125.9 E SAMAR REGION, P. ISLANDS
H =039 KM MAG 5.40- CGS

8 08 17 47.* 22.7 S 113.0 W EASTER ISLAND REGION
H =033 KM MAG 4.20- CGS

8 10 28 56.5 29.0 S 70.3 W CENTRAL CHILE
H =071 KM MAG 4.20- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

8 10 29 04.* 28.7 S 69.8 W CENTRAL CHILE
H =139 KM MAG 4.00- CGS

8 10 53 12.* 76.5 N 86.5 E KARA SEA
H =025 KM MAG 4.70- CGS

8 13 12 15.8 45.5 S 35.3 E PRINCE EDWARD IS. REGION
H =033 KM

8 20 29 40.1 02.6 N 128.4 E HALMAHERA
H =166 KM

8 23 01 16.0 19.4 S 175.8 W TONGA ISLANDS REGION
H =182 KM MAG 4.60- CGS

9 03 21 11.1 53.8 N 170.5 W BERING SEA
H =250 KM MAG 4.30- CGS

9 04 36 43.6 39.4 N 42.8 E EASTERN TURKEY
H =035 KM MAG 4.60- CGS

9 05 13 26.9 18.6 S 173.7 W TONGA ISLANDS
H =033 KM MAG 4.60- CGS

9 07 36 47.7 14.6 S 173.2 W TONGA ISLANDS
H =033 KM MAG 4.00- CGS

9 07 40 57.0 14.3 S 172.6 W TONGA ISLANDS
H =033 KM MAG 4.20- CGS

9 10 36 53.4 20.3 S 174.4 W TONGA ISLANDS
H =033 KM MAG 4.90- CGS

9 14 36 32.2 27.7 N 138.5 E SOUTH OF HONSHU, JAPAN
H =556 KM MAG 4.20- CGS

9 16 24 13.9 00.2 N 18.4 W N. W. OF ASCENSION ISLAND
H =033 KM MAG 4.60- CGS

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
9	21 20 30.*		44.0 N 147.5 E KURILE ISLANDS						
			H =033 KM MAG 4.30- CGS						
9	23 40 57.*		08.4 S 126.1 E TIMOR						
			H =229 KM						
10	LC	eP	00 28 36.2	Z	0.4	0.3 (0)			
10	LC	eL	00 31 21	R	0.9	3.3 (0)			
10	00 50 35.4		05.6 S 145.6 E NEW BRITAIN REGION						
			H =102 KM MAG 4.70- CGS						
10	03 15 15.*		47.6 N 127.1 W OFF COAST OF WASHINGTON						
			H =033 KM MAG 3.90- CGS						
10	MV	eP	03 17 25.0	Z	1.4	21.8 (0)	9.0		5.19
10	LC	eP	03 20 04.2	Z	0.9	1.6 (0)	22.0		3.44
							AVG.		4.31
10	LC	eL	07 15 50	LZ	20	13.0 (1)			
10	10 15 17.4		46.0 N 153.7 E KURILE ISLANDS REGION						
			H =450 KM MAG 4.40- CGS						
10	NP	eP	10 23 33.0	JZ	.5	1.5 (0)	45.0		3.69
10	12 04 46.6		20.2 S 175.2 W TONGA ISLANDS						
			H =025 KM MAG 4.50- CGS						
10	LC	eP	12 17 17.0	Z	0.9	5.9 (0)	84.0		4.74
10	LC	eP	13 18 24.3	Z	1.0	2.2 (0)			
		eP	13 48 53.0	Z	0.2	0.5 (0)			
		eL	13 50 32	R	0.5	2.4 (0)			
10	14 16 31.1		12.6 S 167.0 E SANTA CRUZ ISLANDS						
			H =223 KM MAG 4.90- CGS						
10	MV	eP	14 28 34.0	Z	0.8	2.1 (0)	84.0		3.95

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
		epP	14 29 29		Z	1.0	5.4 (0)		
10	LC	eP	14 29 24.1		Z	0.7	3.8 (0)	94.0	4.63
								AVG.	4.29
10	14 59 52.3		39.8 N 78.2 W SOUTHERN PENNSYLVANIA						
			H =015 KM MAG 3.60- CGS						
10	DH	eP	15 00 49.0		Z	0.3	3.0 (0)	3.7	
		eS	15 01 35		R	0.3	52.7 (0)		
10	16 49 52.0		12.4 N 144.0 E MARIANA ISLANDS						
			H =035 KM MAG 4.60- CGS						
10	NP	eP	17 01 56.5		JZ	.8	11.0 (0)	80.0	4.80
10	18 15 13.0		52.5 N 176.3 W ANDREANOF ALEUTIAN ISLANDS						
			H =033 KM MAG 4.50- CGS						
10	LC	eP	19 57 03.1		Z	0.2	6.8 (0)	1.5	
		eS	19 57 22		R	0.3	3.5 (0)		
10	RK	eP	19 58 43.5		Z	0.5	1.8 (0)	0.8	
		eS	19 58 54		R	0.5	9.2 (0)		
10	LC	eP	22 01 38.1		Z	0.2	1.5 (0)	2.1	
		eS	22 02 05		R	0.4	2.2 (0)		
11	00 01 13.0		24.1 S 179.6 W FIJI ISLANDS REGION						
			H =437 KM MAG 4.90- CGS						
11	09 09 11.*		18.5 S 179.9 W FIJI ISLANDS						
			H =247 KM MAG 5.10- CGS						
11	09 51 16.5		18.0 N 105.6 W OFF COAST JALISCO, MEXICO						
			H =033 KM MAG 4.60- CGS						
11	LC	eP	09 54 40.3		Z	1.5	42.9 (0)	14.0	4.85
		e	09 57 42		LT	28	13.4 (1)		
		eL	09 58 47		LT	25	90.1 (1)		
11	LV	eLR	10 01 07		LZ	27		19.0	
11	NP	eP	10 01 10.0		JZ	.9	6.2 (0)	59.0	4.63
								AVG.	4.74

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11		09 59 41.9	50.0 N 29.2 W NORTH ATLANTIC OCEAN H =033 KM MAG 4.50- CGS					
11	LC	eP	10 09 34.7	Z	0.8	1.3 (0)	58.0	4.02
11	DH	eS	10 11 00	LT	20	48.2 (1)	32.0	
		eL	10 17 15	LZ	20	33.1 (1)		
11	RK	e	10 09 35	LR	19	35.4 (1)		
		eL	10 12 03	LR	16	12.2 (2)		
11	MV	eL	10 13 15	LZ	21			
11		10 17 07.6	17.8 N 105.9 W OFF COAST JALISCO, MEXICO H =033 KM MAG 5.00- CGS					
11	LC	eP	10 20 34.5	Z	1.3	38.8 (0)	15.0	4.68
		eP	10 20 35	LZ	10	42.2 (2)		
		e	10 21 30	LZ	25	44.4 (1)		
		e	10 22 56	Z	1.8	42.8 (0)		
		eL	10 23 30	LZ	999.9	99.9 (9)		
		eL	10 25 18	R	4.5	49.6 (1)		
11	LV	eP	10 21 32.4	Z	0.8		19.0	
		eP	10 21 33	LZ	12			
		eLR	10 25 14	LZ	29			
11	MV	eP	10 22 36.2	Z	1.1	13.0 (0)	25.0	4.47
		eP	10 22 37	LZ	18			
		e	10 27 10	LT	18			
		eLR	10 29 35	LZ	25			
11	RK	eP	10 23 52.5	Z	1.0	7.5 (0)	34.0	4.54
		eS	10 29 20	LR	29	10.1 (2)		
		eL	10 35 00	LZ	31	25.8 (2)		
11	DH	eP	10 24 08.5	Z	0.6	3.7 (0)	36.0	4.43
		eS	10 29 45	LT	18	11.2 (2)		
		eL	10 34 02	LR	36	34.4 (2)		
		eL	10 36 54	LT	20	70.7 (2)		
		eL	10 36 54	LR	25	46.8 (2)		
		eL	10 36 54	LZ	27	12.9 (2)		
11	NP	eP	10 27 02.7	JZ	1.3	16.6 (0)	59.0	4.90
11	HW	e	10 32 43	LZ	17	49.9 (1)	47.0	
		eLQ	10 36 15	LT	24	13.1 (2)		
		eLR	10 38 40	LZ	20	17.3 (2)		
		eL	10 39 17	LR	22	24.2 (2)		
		eL	10 39 17	LT	17	12.1 (2)		
		eL	10 39 17	LZ	20	17.3 (3)		
							AVG.	4.60
11		11 13 11.0	46.0 N 151.9 E KURILE ISLANDS H =030 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11		12 13 49.*	35.0 N 135.2 E SOUTHERN HONSHU, JAPAN H =379 KM MAG 3.90- CGS					
11	NP	eP	12 22 17.8	JZ	.7	8.4 (0)	60.0	4.30
11	NP	eP	14 07 32.5	JZ	.9	10.8 (0)		
11		16 33 59.8	18.5 S 177.7 W FIJI ISLANDS H =583 KM MAG 4.40- CGS					
11	LC	eP	16 45 36.1	Z	1.0	10.1 (0)	85.0	4.40
11	RK	eP	17 10 40.8	Z	0.2	1.1 (0)	2.2	
		eS	17 11 09	R	0.5	9.4 (0)		
11	NP	eP	19 58 56.7	JZ	.7	2.4 (0)		
11	LC	eP	20 05 18.3	Z	0.2	10.1 (0)	1.5	
		eS	20 05 38	T	0.3	9.1 (0)		
11	NP	eP	20 06 51.4	JZ	.7	2.4 (0)		
11	NP	e	20 11 19	JZ	.6	2.1 (0)		
11	LC	eP	20 31 24.5	Z	0.2	2.1 (0)	0.6	
		eS	20 31 33	T	0.2	6.1 (0)		
11	RK	eP	20 50 12.0	Z	0.2	1.1 (0)	1.4	
		eS	20 50 29	R	0.3	4.4 (0)		
11	MV	eP	21 01 28.5	Z	0.6	2.9 (0)	5.0	
		eS	21 02 30	T	0.6	3.1 (0)		
11	DH	e	21 25 00	LZ	22	61.7 (1)		
11		23 09 53.2	43.4 N 111.1 W SOUTHEASTERN IDAHO H =033 KM MAG 4.30- CGS					
11	HW	eP	23 40 34.0	Z	0.2	19.8 (0)	3.5	
		eS	23 41 15	T	0.2	16.7 (1)		
12		00 38 12.*	18.6 S 179.8 E FIJI ISLANDS H =347 KM MAG 4.30- CGS					
12	LC	eP	00 50 17.8	Z	0.9	2.8 (0)	87.0	4.15
12		02 46 48.1	71.6 N 73.0 W BAFFIN ISLAND H =033 KM MAG 4.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	RK	eP	02 51 46.5	Z	0.8	34.1 (0)	23.0	4.86
12	LC	eP	02 54 46.0	Z	1.0	2.5 (0)	43.0	3.89
							AVG.	4.37
12	HW	eP	02 53 00.5	Z	0.2	13.6 (1)		
12	RK	eP	02 55 45.7	Z	0.6	4.2 (0)		
12	RK	eL	02 58 29	R	1.0	14.6 (1)		
12	03 37 09.2		10.2 S 161.2 E	SOLOMON ISLANDS				
			H =065 KM MAG	4.70- CGS				
12	06 58 26.9		43.4 N 111.1 W	SOUTHEASTERN IDAHO				
			H =033 KM MAG	3.90- CGS				
12	10 25 37.4		52.3 N 179.8 W	ANDREANOF ALEUTIAN ISLANDS				
			H =033 KM MAG	4.10- CGS				
12	10 58 27.*		04.2 S 105.2 W	GALAPAGOS IS. REGION				
			H =033 KM MAG	4.10- CGS				
12	LC	eL	11 16 57	LZ	29	13.4 (1)	36.0	
12	MV	eLR	11 20 36	LZ	21	33.1 (1)	46.0	
12	11 26 57.9		44.8 N 149.0 E	KURILE ISLANDS				
			H =040 KM MAG	6.75-7.00 PAS				
12	NP	eP	11 35 29.7	JZ	1.3	33.7 (1)	47.0	6.19
		e	11 38 44	JZ	1.7	33.5 (1)		
		eS	11 42 22	R	1.2	73.9 (0)		
		eL	11 50 10	R	13.0	16.4 (3)		
12	HW	eP	11 36 04.0	Z	1.2	12.6 (1)	52.0	5.76
		eP	11 36 04	LZ	999.9			
		e	11 36 20	Z	1.2	56.7 (1)		
		ePP	11 38 25	LZ	18			
		eS	11 43 30	LT	999.9			
12	MV	eP	11 37 25.5	Z	1.2	82.5 (0)	64.0	5.71
		eP	11 37 27	LZ	19	99.9 (9)		
		e	11 37 39	Z	1.3	16.3 (1)		
		eS	11 45 48	LR	999.9	99.9 (9)		
		eS	11 45 56	R	4.0	59.0 (1)		
		ePS	11 46 21	R	5.8	32.9 (2)		
		eL	11 57 32	T	10.0	70.9 (2)		
12	RK	eP	11 38 08.5	Z	1.0	35.6 (1)	70.0	6.33

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	11 38 10	LZ	999.9	99.9 (9)		
		e	11 38 25	Z	0.9	25.5 (1)		
		eS	11 47 18	T	3.2	11.6 (2)		
		eS	11 47 18	LR	999.9	99.9 (9)		
		e	11 47 40	T	4.9	73.2 (2)		
		eL	12 15 40	Z	15.0	46.8 (3)		
12	LC	eP	11 38 48.2	Z	1.2	86.5 (0)	77.0	5.63
		eP	11 38 50	LZ	999.9	99.9 (9)		
		eS	11 48 37	T	3.8	50.3 (1)		
		eSCS	11 49 02	R	3.8	57.4 (1)		
		eLR	11 52 00	LZ	999.9	99.9 (9)		
12	DH	eP	11 39 30.0	Z	1.0	18.7 (1)	85.0	6.15
		eP	11 39 30	LZ	999.9	99.9 (9)		
		e	11 40 38	Z	1.9	49.6 (1)		
		ePP	11 43 03	Z	1.0	44.7 (0)		
		e	11 49 56	LR	999.9	99.9 (9)		
		eSS	11 55 50	LR	27	99.9 (9)		
		eLQ	12 04 37	LR	999.9	99.9 (9)		
		eLR	12 08 50	LZ	999.9	99.9 (9)		
12	LV	eP	11 39 34.5	Z	1.3	40.4 (1)	86.0	6.31
		eP	11 39 35	LZ	999.9	99.9 (9)		
							AVG.	6.01
12	11 41 47.8		48.3 N 149.2 E	KURILE ISLANDS				
			H =040 KM MAG	4.50- CGS				
12	11 53 05.*		46.0 N 148.8 E	KURILE ISLANDS				
			H =033 KM					
12	RK	eP	12 04 07.1	Z	0.8	7.4 (0)	70.0	4.76
		e	12 04 57	Z	0.7	7.5 (0)		
		ePP	12 06 13	Z	1.8	83.7 (0)		
12	LC	eP	12 04 46.9	Z	0.6	0.5 (0)	76.0	3.74
							AVG.	4.25
12	12 02 18.8		44.4 N 149.6 E	KURILE ISLANDS				
			H =040 KM MAG	4.50- CGS				
12	RK	eP	12 13 29.0	Z	0.7	8.7 (0)	70.0	4.87
12	12 15 20.5		17.0 S 69.5 W	PERU BOLIVIA BORDER				
			H =170 KM MAG	3.80- CGS				
12	12 32 35.8		44.7 N 149.6 E	KURILE ISLANDS				
			H =040 KM MAG	4.60- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12			44.5 N 149.4 E KURILE ISLANDS					
			H =050 KM MAG 4.80- CGS					
12	NP	eP	13 15 40.2	JZ	1.5	36.7 (0)	48.0	5.13
12	MV	eP	13 17 45.5	Z	1.1	3.8 (0)	63.0	4.34
12	RK	eP	13 18 17.8	Z	0.9	17.3 (0)	70.0	5.03
12	LC	eP	13 18 57.2	Z	0.8	1.4 (0)	77.0	4.01
							AVG.	4.62
12			13 24 01.* 48.8 N 149.4 E KURILE ISLANDS					
			H =045 KM MAG 4.00- CGS					
12			13 29 36.4 44.5 N 149.3 E KURILE ISLANDS					
			H =050 KM MAG 4.50- CGS					
12			13 54 58.3 43.5 N 151.1 E KURILE ISLANDS					
			H =040 KM MAG 4.30- CGS					
12	NP	eP	14 03 38.4	JZ	1	18.3 (0)	48.0	5.04
12			14 15 08.2 44.7 N 149.5 E KURILE ISLANDS					
			H =045 KM MAG 4.60- CGS					
12	RK	eP	14 26 17.1	Z	0.7	8.7 (0)	70.0	4.86
12	MV	eP	14 19 08.3	Z	0.3	1.6 (0)	2.6	
		eS	14 19 40	R	0.4	9.6 (0)		
12			14 33 36.* 30.4 N 41.8 W NORTH ATLANTIC OCEAN					
			H =033 KM MAG 4.40- CGS					
12			16 11 55.0 44.4 N 149.7 E KURILE ISLANDS					
			H =060 KM MAG 4.40- CGS					
12	NP	eP	16 20 26.7	JZ	.7	15.5 (0)	47.0	5.06
12	RK	eP	16 23 03.2	Z	0.7	16.2 (0)	70.0	5.08
12	LC	eP	16 23 42.7	Z	0.7	2.4 (0)	77.0	4.27
							AVG.	4.80
12			16 28 10.4 44.8 N 149.4 E KURILE ISLANDS					
			H =050 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	RK	eP	17 09 54.2	Z	0.2	2.3 (0)	4.0	
		e	17 10 16	Z	0.3	6.2 (0)		
		eS	17 10 44	R	0.4	75.8 (0)		
12			18 05 47.8 44.5 N 149.7 E KURILE ISLANDS					
			H =045 KM MAG 4.20- CGS					
12	NP	eP	18 14 19.8	JZ	.6	3.3 (0)	47.0	4.51
12			18 48 35.5 44.7 N 149.4 E KURILE ISLANDS					
			H =050 KM MAG 5.00- CGS					
12	MV	eP	18 59 01.0	Z	1.4	22.5 (0)	63.0	5.00
12	LC	eP	19 00 23.4	Z	1.0	8.7 (0)	77.0	4.69
		eL	19 25 55	LZ	21	10.3 (1)		
							AVG.	4.84
12			19 10 20.5 45.1 N 129.9 W OFF COAST OF OREGON					
			H =033 KM MAG 4.20- CGS					
12			19 46 52.9 44.3 N 149.4 E KURILE ISLANDS					
			H =045 KM MAG 4.40- CGS					
12			19 57 00.2 44.6 N 149.4 E KURILE ISLANDS					
			H =050 KM MAG 4.40- CGS					
12	NP	eP	20 05 31.5	JZ	1	22.0 (0)	47.0	5.09
12			20 21 04.5 44.4 N 149.2 E KURILE ISLANDS					
			H =045 KM MAG 4.70- CGS					
12	RK	eP	20 32 15.3	Z	0.7	11.2 (0)	71.0	4.97
12	DH	eP	20 33 34.2	Z	1.0	8.9 (0)	85.0	4.81
							AVG.	4.89
12			21 17 37.* 17.9 N 145.2 E MARIANA ISLANDS REGION					
			H =638 KM MAG 4.00- CGS					
12			21 59 02.4 43.1 N 111.2 W SOUTHEASTERN IDAHO					
			H =033 KM MAG 3.90- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12			22 02 01.2	44.5 N 149.5 E	KURILE ISLANDS			
				H =045 KM MAG 4.40-	CGS			
12	NP	eP	22 10 33.0	JZ	1	16.5 (0)	47.0	4.98
12	RK	eP	22 13 11.0	Z	0.7	7.5 (0)	70.0	4.79
12	LC	eP	22 13 52.6	Z	0.8	1.4 (0)	77.0	4.03
							AVG.	4.60
12			22 07 29.3	44.4 N 149.2 E	KURILE ISLANDS			
				H =040 KM MAG 4.20-	CGS			
12			22 34 01.6	43.1 N 111.3 W	SOUTHEASTERN IDAHO			
				H =033 KM MAG 3.90-	CGS			
12			23 02 41.*	50.8 N 149.0 E	SEA OF OKHOTSK			
				H =033 KM MAG 4.40-	CGS			
12			23 40 11.1	44.3 N 149.2 E	KURILE ISLANDS			
				H =040 KM MAG 4.30-	CGS			
13			01 26 34.3	44.4 N 149.3 E	KURILE ISLANDS			
				H =033 KM MAG 4.40-	CGS			
13	NP	eP	01 35 10.4	JZ	1	14.1 (0)	48.0	4.95
13	RK	eP	01 37 46.7	Z	0.8	8.9 (0)	71.0	4.84
13	LC	eP	01 38 27.0	Z	0.5	0.9 (0)	77.0	4.07
13	MV	eL	01 56 25	LZ	20		64.0	
							AVG.	4.62
13			01 34 54.3	44.4 N 149.2 E	KURILE ISLANDS			
				H =033 KM MAG 4.30-	CGS			
13	HW	eL	01 54 21	LZ	19	35.9 (1)	51.0	
13	RK	eL	02 02 40	LR	30	31.1 (1)	71.0	
13			02 12 20.0	44.0 N 149.4 E	KURILE ISLANDS			
				H =045 KM MAG 3.80-	CGS			
13			04 05 50.1	44.4 N 149.2 E	KURILE ISLANDS			
				H =030 KM MAG 4.40-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			05 10 12.5	09.8 N 84.1 W	COSTA RICA			
				H =063 KM MAG 4.40-	CGS			
13	LV	eP	05 15 17.6	Z	0.9	19.4 (1)	23.0	5.50
		eL	05 22 23	LZ	30	10.4 (2)		
13	RK	eP	05 17 54.4	Z	1.0	22.6 (0)	42.0	4.91
13	DH	eL	05 26 47	LZ	40	18.3 (2)	33.0	
							AVG.	5.20
13			05 17 57.1	44.8 N 149.5 E	KURILE ISLANDS			
				H =060 KM MAG 8.25-	PAS			
13	NP	eP	05 26 25.5	JZ	1	20.4 (1)	47.0	6.03
		eL	05 47 55	R	23.0	85.4 (4)		
13	HW	eP	05 27 04.2	Z	1.1	30.8 (1)	51.0	6.20
		eP	05 27 05	LZ	999.9	99.9 (9)		
		e	05 28 32	T	1.5	46.0 (2)		
		e	05 38 08	T	16.0	28.8 (4)		
13	MV	eP	05 28 21.0	Z	1.3	15.1 (0)	63.0	4.84
		eP	05 28 23	LZ	999.9			
		e	05 28 25	Z	1.7	30.2 (1)		
		eS	05 36 58	R	6.0	94.6 (2)		
		eSCS	05 37 53	R	5.2	13.3 (3)		
		eL	05 44 58	T	17.0	23.6 (4)		
13	RK	eP	05 29 03.5	Z	1.2	30.9 (1)	70.0	6.13
		eP	05 29 10	LZ	999.9	99.9 (9)		
		eL	05 47 40	R	12.0	75.4 (3)		
13	LC	eP	05 29 42.5	Z	1.0	12.5 (0)	77.0	4.81
		eP	05 29 45	LZ	999.9	99.9 (9)		
		e	05 29 49	Z	1.3	12.0 (1)		
		eS	05 39 59	T	4.5	42.8 (2)		
13	DH	eP	05 30 26.0	Z	1.0	13.1 (1)	85.0	5.93
		e	05 31 03	Z	1.0	87.3 (1)		
13	LV	eP	05 30 29.4	Z	1.0	67.3 (0)	85.0	5.64
		eP	05 30 30	LZ	999.9	99.9 (9)		
		epP	05 30 36	Z	1.1	43.6 (1)		
		eS	05 41 12	T	2.0	20.5 (2)		
		e	05 42 37	Z	1.0	11.7 (1)		
		eL	05 52 52	Z	0.9	38.8 (0)		
		e	06 00 54	T	8.5	32.3 (3)		
							AVG.	5.65
13			05 30 04.6	44.8 N 151.2 E	KURILE ISLANDS			
				H =040 KM				
13	MV	eP	05 40 23.3	Z	0.6	15.8 (0)	62.0	5.34

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			05 42 14.2 46.5 N 151.6 E KURILE ISLANDS H =055 KM MAG 5.50- CGS					
13	RK	eP	05 53 07.9	Z	0.7	42.5 (0)	68.0	5.56
13	DH	eP	05 54 32.1	Z	0.7	54.3 (0)	82.0	5.62
13	LV	eP	05 54 35.6	Z	0.9	64.7 (0)	83.0	5.69
							AVG.	5.62
13	MV	eP	05 47 01.5	Z	1.0	9.6 (0)		
13	RK	eP	05 47 46.5	Z	1.0	92.9 (0)		
13	MV	eP	05 51 18.0	Z	1.0	37.8 (0)		
13	RK	eP	05 52 03.4	Z	0.9	61.8 (0)		
13			06 05 29.5 45.9 N 151.9 E KURILE ISLANDS H =055 KM MAG 5.50- CGS					
13	RK	eP	06 16 25.6	Z	0.7	25.0 (0)	68.0	5.33
13	LV	eP	06 17 54.2	Z	1.3	97.1 (0)	83.0	5.70
							AVG.	5.51
13			06 06 36.2 45.3 N 151.7 E KURILE ISLANDS H =040 KM MAG 4.80- CGS					
13			06 09 02.2 45.3 N 151.3 E KURILE ISLANDS H =060 KM MAG 5.60- CGS					
13	MV	eP	06 19 16.5	Z	1.2	48.5 (0)	62.0	5.48
13			06 12 21.7 45.1 N 149.7 E KURILE ISLANDS H =040 KM MAG 5.00- CGS					
13	MV	eP	06 22 45.8	Z	0.6	6.5 (0)	63.0	4.86
		ePPP	06 26 29	Z	1.0	6.3 (0)		
13	LV	eP	06 24 55.4	Z	0.9	38.8 (0)	85.0	5.51
							AVG.	5.18
13			06 23 38.2 45.4 N 150.8 E KURILE ISLANDS H =040 KM MAG 5.20- CGS					
13	LV	eP	06 36 20.9	Z	1.0	67.3 (0)	84.0	5.70

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			06 46 54.0 45.3 N 147.5 E KURILE ISLANDS H =055 KM MAG 5.30- CGS					
13	LV	eP	06 59 33.6	Z	1.4	80.1 (0)	86.0	5.54
13			06 48 26.3 45.5 N 151.8 E KURILE ISLANDS H =055 KM MAG 5.20- CGS					
13	LV	eP	07 00 50.5	Z	1.0	33.6 (0)	84.0	5.36
13			07 03 23.8 45.5 N 150.6 E KURILE ISLANDS H =050 KM MAG 5.60- CGS					
13	RK	eP	07 14 25.6	Z	0.7	55.0 (0)	69.0	5.69
13	DH	eP	07 15 49.2	Z	0.7	54.3 (0)	84.0	5.73
13	LV	eP	07 15 52.4	Z	1.3	12.9 (1)	84.0	5.84
		epP	07 16 08	Z	1.1	10.3 (1)		
							AVG.	5.75
13			07 16 42.9 45.5 N 151.5 E KURILE ISLANDS H =055 KM MAG 4.90- CGS					
13	HW	eP	07 16 44.5	Z	0.2	99.2 (0)		
13			07 19 11.1 45.0 N 151.5 E KURILE ISLANDS H =040 KM MAG 4.80- CGS					
13			07 31 50.8 45.0 N 151.4 E KURILE ISLANDS H =040 KM MAG 4.90- CGS					
13	MV	eP	07 42 08.6	Z	1.0	3.1 (0)	62.0	4.41
13			07 35 44.7 46.5 N 151.8 E KURILE ISLANDS H =045 KM MAG 4.60- CGS					
13			07 48 22.8 45.7 N 149.6 E KURILE ISLANDS H =030 KM MAG 4.70- CGS					
13	RK	eP	07 59 30.6	Z	0.7	18.7 (0)	69.0	5.30

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	DH	eP	07 49 12.0	Z	1.0	32.7 (0)		
13	08 11 32.0		44.5 N 151.6 E KURILE ISLANDS H =060 KM MAG 4.80= CGS					
13	MV	eP	08 21 48.1	Z	1.1	9.7 (0)	62.0	4.82
13	LC	eP	08 23 12.8	Z	1.0	7.5 (0)	76.0	4.59
							AVG.	4.70
13	08 19 16.*		45.3 N 151.7 E KURILE ISLANDS H =040 KM MAG 4.50= CGS					
13	MV	eP	08 29 46.6	Z	1.3	6.0 (0)	62.0	4.58
13	MV	eP	08 26 57.3	Z	0.5	2.3 (0)		
13	08 34 40.*		44.5 N 150.9 E KURILE ISLANDS H =033 KM MAG 4.50= CGS					
13	08 37 11.4		45.2 N 149.9 E KURILE ISLANDS H =050 KM MAG 4.50= CGS					
13	08 39 46.7		45.6 N 148.0 E KURILE ISLANDS H =040 KM MAG 4.50= CGS					
13	MV	eP	08 50 14.8	Z	1.2	7.2 (0)	64.0	4.66
13	LV	eP	08 48 05.5	Z	0.8	19.9 (0)		
13	08 50 20.4		45.3 N 151.2 E KURILE ISLANDS H =040 KM MAG 4.60= CGS					
13	MV	eP	08 55 33.7	Z	1.5	13.9 (0)	63.0	4.78
13	RK	eP	09 01 38.5	Z	0.8	5.9 (0)	70.0	4.65
							AVG.	4.71
13	RK	eP	09 05 21.5	Z	0.8	5.9 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	09 10 15.4		44.2 N 149.5 E KURILE ISLANDS H =040 KM MAG 4.40= CGS					
13	RK	eP	09 21 27.3	Z	0.9	9.6 (0)	71.0	4.81
13	09 11 53.9		43.8 N 150.8 E KURILE ISLANDS H =030 KM MAG 5.00= CGS					
13	MV	eP	09 22 32.6	Z	0.8	3.7 (0)	63.0	4.50
13	09 16 25.9		44.6 N 149.6 E KURILE ISLANDS H =050 KM MAG 4.90= CGS					
13	NP	eP	09 24 57.3	JZ	1.2	42.4 (0)	47.0	5.29
13	MV	eP	09 26 31.2	Z	0.6	1.3 (0)	63.0	4.14
13	RK	eP	09 27 34.7	Z	0.8	29.7 (0)	70.0	5.32
13	LC	eP	09 28 14.4	Z	0.7	4.3 (0)	77.0	4.54
13	DH	eP	09 28 56.5	Z	0.7	10.8 (0)	85.0	5.04
13	LV	eP	09 28 59.8	Z	0.9	25.9 (0)	85.0	5.30
		epP	09 35 28	Z	1.3	12.9 (1)		
							AVG.	4.93
13	09 22 44.6		44.9 N 151.0 E KURILE ISLANDS H =050 KM MAG 5.00= CGS					
13	NP	eP	09 31 11.9	JZ	1.3	25.3 (0)	47.0	5.04
13	MV	eP	09 33 04.1	Z	1.2	9.7 (0)	63.0	4.70
13	RK	eP	09 33 48.7	Z	0.9	27.0 (0)	69.0	5.27
		eP AS	09 34 01.4	Z	1.0	11.3 (1)		5.85
13	LC	eP	09 34 27.3	Z	0.6	2.0 (0)	76.0	4.29
13	DH	eP	09 35 11.4	Z	0.9	16.7 (0)	84.0	5.12
		eP AS	09 35 25.0	Z	0.9	75.5 (0)		5.77
							AS .	5.81
							AVG.	4.88
13	09 27 24.*		46.2 N 151.8 E KURILE ISLANDS H =040 KM MAG 4.60= CGS					
13	09 44 51.6		44.1 N 150.0 E KURILE ISLANDS H =045 KM MAG 4.50= CGS					
13	NP	eP	09 53 24.6	JZ	1.2	23.3 (0)	48.0	5.05

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			09 51 50.4	42.0 N 149.5 E	KURILE ISLANDS			
				H =045 KM MAG	4.50-	CGS		
13	RK	eP	10 03 09.5	Z	0.8	5.9 (0)	72.0	4.63
13			09 56 43.1	45.5 N 151.8 E	KURILE ISLANDS			
				H =040 KM MAG	4.70-	CGS		
13			10 01 12.7	44.3 N 151.0 E	KURILE ISLANDS			
				H =055 KM MAG	4.30-	CGS		
13			10 06 23.8	44.2 N 150.2 E	KURILE ISLANDS			
				H =045 KM MAG	4.50-	CGS		
13			10 10 28.2	44.5 N 149.6 E	KURILE ISLANDS			
				H =045 KM MAG	4.70-	CGS		
13	MV	eP	10 21 09.0	Z	1.6	27.1 (0)	63.0	5.04
13	RK	eP	10 21 38.5	Z	0.8	14.8 (0)	70.0	5.03
13	LC	eP	10 22 18.2	Z	0.7	1.8 (0)	77.0	4.19
13	LV	eP	10 23 17.5	Z	1.4	80.1 (0)	85.0	5.62
							AVG.	4.97
13			10 33 57.3	44.4 N 150.3 E	KURILE ISLANDS			
				H =045 KM MAG	4.70-	CGS		
13	NP	eP	10 42 29.7	JZ	.9	14.1 (0)	47.0	4.96
13	MV	eP	10 44 21.9	Z	0.6	1.3 (0)	63.0	4.15
13	LC	eP	10 45 44.4	Z	0.6	1.0 (0)	76.0	4.00
13	DH	eP	10 46 28.7	Z	0.7	16.2 (0)	85.0	5.23
							AVG.	4.58
13			10 36 44.9	45.3 N 150.4 E	KURILE ISLANDS			
				H =045 KM MAG	4.40-	CGS		
13			10 47 13.7	45.4 N 151.8 E	KURILE ISLANDS			
				H =040 KM MAG	4.90-	CGS		
13	NP	eP	10 55 39.6	JZ	1.4	24.1 (0)	46.0	4.95
13	MV	eP	10 57 29.3	Z	1.3	9.0 (0)	62.0	4.76

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	RK	eP	10 58 14.1	Z	0.9	5.7 (0)	69.0	4.64
							AVG.	4.78
13			11 15 40.4	44.9 N 151.1 E	KURILE ISLANDS			
				H =045 KM MAG	4.90-	CGS		
13	NP	eP	11 24 06.1	JZ	1.1	14.7 (0)	47.0	4.89
13	MV	eP	11 25 59.4	Z	1.3	15.1 (0)	62.0	4.97
13	RK	eP	11 26 44.4	Z	0.9	27.0 (0)	69.0	5.29
							AVG.	5.05
13			11 22 58.6	44.9 N 150.7 E	KURILE ISLANDS			
				H =055 KM MAG	4.80-	CGS		
13	MV	eP	11 33 18.0	Z	1.4	15.0 (0)	62.0	4.92
13	RK	eP	11 34 02.5	Z	0.9	19.3 (0)	70.0	5.06
13	LC	eP	11 34 41.4	Z	1.3	4.8 (0)	76.0	4.30
							AVG.	4.76
13			11 35 18.1	45.4 N 151.6 E	KURILE ISLANDS			
				H =025 KM MAG	4.80-	CGS		
13			11 38 56.9	44.3 N 149.3 E	KURILE ISLANDS			
				H =025 KM MAG	4.30-	CGS		
13			11 57 20.3	44.7 N 151.3 E	KURILE ISLANDS			
				H =050 KM MAG	4.30-	CGS		
13			12 05 48.3	45.0 N 150.8 E	KURILE ISLANDS			
				H =025 KM MAG	4.60-	CGS		
13			12 20 46.9	44.8 N 149.6 E	KURILE ISLANDS			
				H =045 KM MAG	4.30-	CGS		
13	NP	eP	12 29 17.3	JZ	.9	14.1 (0)	47.0	4.96
13			12 29 39.2	45.9 N 151.8 E	KURILE ISLANDS			
				H =030 KM MAG	5.00-	CGS		
13	MV	eP	12 39 54.5	Z	0.7	4.7 (0)	62.0	4.76

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	RK	eP	12 40 38.1	Z	0.8	14.8 (0)	68.0	5.14
13	LC	eP	12 41 18.6	Z	0.6	1.0 (0)	75.0	3.98
13	DH	eP	12 42 02.0	Z	0.8	12.9 (0)	83.0	5.11
							AVG.	4.74
13	12 34 18.7		44.6 N 149.3 E KURILE ISLANDS					
			H =025 KM MAG 4.50- CGS					
13	RK	eP	12 45 31.1	Z	0.8	14.8 (0)	70.0	5.09
13	LC	eP	12 46 11.9	Z	0.6	1.0 (0)	77.0	4.06
							AVG.	4.57
13	12 40 44.2		45.6 N 150.5 E KURILE ISLANDS					
			H =045 KM MAG 4.60- CGS					
13	MV	eP	12 51 11.5	Z	1.1	5.8 (0)	63.0	4.53
13	12 42 13.0		44.4 N 149.4 E KURILE ISLANDS					
			H =055 KM MAG 5.20- CGS					
13	NP	eP	12 50 45.0	JZ	1.3	50.7 (0)	47.0	5.32
13	MV	eP	12 52 43.4	Z	1.0	12.6 (0)	64.0	4.93
13	RK	eP	12 53 22.4	Z	0.8	23.7 (0)	71.0	5.20
13	LC	eP	12 54 00.2	Z	0.7	2.4 (0)	77.0	4.28
13	DH	eP	12 54 44.0	Z	0.6	9.1 (0)	85.0	5.01
13	LV	eP	12 54 55.4	Z	0.9	25.9 (0)	86.0	5.24
							AVG.	4.99
13	12 52 25.3		44.6 N 150.5 E KURILE ISLANDS					
			H =030 KM MAG 4.60- CGS					
13	RK	eP	13 03 34.5	Z	0.8	4.4 (0)	70.0	4.55
13	12 53 56.9		44.6 N 149.3 E KURILE ISLANDS					
			H =025 KM MAG 4.60- CGS					
13	NP	eP	13 02 31.9	JZ	.9	19.8 (0)	48.0	5.16
13	RK	eP	13 05 10.0	Z	0.7	6.2 (0)	70.0	4.77
13	LC	eP	13 05 49.4	Z	0.5	0.9 (0)	77.0	4.10
							AVG.	4.67

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	12 58 21.6		45.0 N 150.1 E KURILE ISLANDS					
			H =050 KM MAG 5.40- CGS					
13	NP	eP	13 06 49.9	JZ	.5	17.3 (0)	47.0	5.29
		e	13 07 02	JZ	2	50.3 (1)		
		eS	13 13 40	R	3.0	16.5 (1)		
13	HW	eP	13 07 20.3	Z	1.1	15.4 (1)	51.0	5.89
13	MV	eP	13 08 43.7	Z	1.2	33.9 (0)	63.0	5.25
		e	13 08 55	Z	0.9	36.3 (0)		
		ePCP	13 09 35	Z	0.7	20.4 (0)		
13	RK	eP	13 09 26.9	Z	0.8	68.3 (0)	70.0	5.68
		eP AS	13 09 41.0	Z	0.9	13.5 (1)		5.92
13	LC	eP	13 10 07.7	Z	1.8	95.2 (0)	76.0	5.47
		e	13 10 20	Z	1.4	77.3 (0)		
13	DH	eP	13 10 49.5	Z	0.9	75.5 (0)	84.0	5.77
		eP AS	13 11 03.0	Z	0.6	77.6 (0)		5.96
13	LV	eP	13 10 53.9	Z	1.0	84.1 (0)	85.0	5.77
							AS .	5.94
							AVG.	5.58
13	13 05 04.*		46.3 N 151.3 E KURILE ISLANDS					
			H =033 KM MAG 4.80- CGS					
13	13 21 00.3		44.5 N 149.3 E KURILE ISLANDS					
			H =060 KM MAG 4.50- CGS					
13	NP	eP	13 29 30.5	JZ	.8	48.7 (0)	47.0	5.50
13	RK	eP	13 32 08.8	Z	0.7	12.5 (0)	70.0	4.97
13	LC	eP	13 32 48.4	Z	0.6	1.0 (0)	77.0	3.96
							AVG.	4.81
13	13 36 53.3		44.9 N 150.4 E KURILE ISLANDS					
			H =050 KM MAG 4.40- CGS					
13	13 41 44.8		44.5 N 149.8 E KURILE ISLANDS					
			H =050 KM MAG 4.30- CGS					
13	13 43 25.3		44.4 N 151.2 E KURILE ISLANDS					
			H =050 KM MAG 4.80- CGS					
13	RK	eP	13 54 30.2	Z	0.8	19.3 (0)	70.0	5.13
13	13 52 08.1		44.3 N 149.9 E KURILE ISLANDS					
			H =040 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			13 54 24.8	44.9 N 151.7 E	KURILE ISLANDS			
				H =050 KM MAG	4.80- CGS			
13	MV	eP	14 04 41.3	Z	0.7	3.9 (0)	62.0	4.64
13	LC	eP	14 06 10.0	Z	0.6	2.0 (0)	75.0	4.24
							AVG.	4.44
13			14 03 56.3	45.3 N 151.0 E	KURILE ISLANDS			
				H =025 KM MAG	4.80- CGS			
13			14 14 42.9	45.0 N 150.2 E	KURILE ISLANDS			
				H =040 KM MAG	4.70- CGS			
13			14 26 11.9	44.5 N 149.5 E	KURILE ISLANDS			
				H =050 KM MAG	5.10- CGS			
13	NP	eP	14 34 44.4	JZ	.6	28.9 (0)	47.0	5.43
13	MV	eP	14 36 37.4	Z	1.4	18.7 (0)	63.0	4.92
13	RK	eP	14 37 21.5	Z	0.8	14.8 (0)	70.0	5.01
13	LC	eP	14 38 00.3	Z	0.8	11.8 (0)	77.0	4.92
							AVG.	5.07
13			14 50 20.*	17.6 N 100.8 W	NEAR COAST GUERRERO, MEX.			
				H =088 KM MAG	4.00- CGS			
13	LC	eP	14 53 58.2	Z	1.0	12.5 (0)	16.0	4.08
13	NP	eP	15 00 17.0	JZ	1.1	18.4 (0)	59.0	5.02
							AVG.	4.55
13			15 27 17.9	48.5 N 144.9 E	KURILE ISLANDS			
				H =045 KM MAG	4.40- CGS			
13			15 33 53.7	46.1 N 151.9 E	KURILE ISLANDS			
				H =055 KM MAG	4.30- CGS			
13			15 50 09.*	47.0 N 149.5 E	KURILE ISLANDS			
				H =045 KM MAG	4.10- CGS			
13			15 59 52.9	45.6 N 150.5 E	KURILE ISLANDS			
				H =035 KM MAG	6.10- CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	NP	eP	16 08 16.6	JZ	1.8	58.6 (1)	46.0	6.24
		e	16 13 41	JZ	1.4	96.7 (0)		
		eS	16 15 00	T	2.1	47.4 (1)		
		eSCS	16 18 06	T	2.1	21.5 (1)		
13	MV	eP	16 10 12.8	Z	1.5	14.8 (1)	62.0	5.92
		ePCP	16 10 51	Z	1.1	35.0 (0)		
		eS	16 18 37	R	3.0	25.9 (1)		
		eSCS	16 20 00	R	2.2	74.1 (0)		
13	RK	eP	16 10 56.1C	Z	1.0	21.6 (1)	69.0	6.19
		eS	16 19 56	R	1.8	10.5 (1)		
		ePS	16 20 18	R	2.0	15.3 (1)		
		ePPS	16 20 50	R	1.5	65.1 (0)		
13	LC	eP	16 11 36.9	Z	1.0	57.5 (0)	76.0	5.55
13	DH	eP	16 12 14.2	Z	1.0	30.5 (1)	84.0	6.38
		eP	16 12 22	LZ	18	10.1 (2)		
		e	16 14 30	LZ	20	74.0 (1)		
		eS	16 22 31	LT	27	17.5 (2)		
		eSS	16 28 15	LT	23	88.0 (1)		
		eLR	16 43 05	LZ	34	31.2 (2)		
13	LV	eP	16 12 22.8	Z	1.3	51.8 (1)	84.0	6.49
							AVG.	6.12
13			16 12 33.2	45.1 N 150.8 E	KURILE ISLANDS			
				H =030 KM MAG	4.80- CGS			
13			16 17 41.5	45.5 N 149.4 E	KURILE ISLANDS			
				H =040 KM MAG	4.60- CGS			
13	LV	eL	16 51 56	LZ	20	22.7 (1)	85.0	
13	MV	e	16 18 38	LT	24	20.7 (2)		
13	LV	e	16 22 45	R	2.4	13.3 (2)		
13	MV	e	16 25 45	LT	30	27.4 (2)		
13			16 28 58.2	44.9 N 150.3 E	KURILE ISLANDS			
				H =040 KM MAG	5.20- CGS			
13	NP	eP	16 37 26.3	JZ	1.1	44.3 (0)	47.0	5.38
13	MV	eP	16 39 16.5	Z	1.3	18.1 (0)	63.0	4.96
13	RK	eP	16 40 05.3	Z	0.9	23.1 (0)	70.0	5.19
13	LC	eP	16 40 45.8	Z	0.7	3.1 (0)	76.0	4.42
13	DH	eP	16 41 28.0	Z	1.0	21.8 (0)	84.0	5.21
							AVG.	5.03
13			16 32 39.0	45.1 N 151.3 E	KURILE ISLANDS			
				H =040 KM MAG	4.50- CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			16 45 18.8	18.4 N 103.1 W	NEAR COAST MICHOACAN, MEX.			
				H =050 KM MAG	4.80- CGS			
13	LC	eP	16 48 29.8	Z	0.6	5.2 (0)	14.0	4.24
		e	16 49 13	Z	1.0	32.5 (0)		
		e	16 53 08	R	3.5	12.8 (2)		
13	LV	eP	16 49 15.4	Z	1.0	33.6 (0)	17.0	4.48
13	MV	eP	16 50 47.7	Z	1.1	11.6 (0)	26.0	4.37
13	DH	eP	16 51 56.1	Z	0.7	21.7 (0)	34.0	5.14
13	RK	eP	16 52 01.3	Z	0.7	3.7 (0)	34.0	4.37
13	NP	eP	16 55 09.7	JZ	.9	14.1 (0)	58.0	4.99
							AVG.	4.59
13			16 49 41.2	44.5 N 150.4 E	KURILE ISLANDS			
				H =040 KM MAG	4.50- CGS			
13	RK	eP	17 00 49.4	Z	1.0	20.1 (0)	70.0	5.08
13			17 17 18.5	44.4 N 151.6 E	KURILE ISLANDS			
				H =060 KM MAG	4.70- CGS			
13			17 25 55.4	44.5 N 150.8 E	KURILE ISLANDS			
				H =045 KM MAG	4.60- CGS			
13	NP	eP	17 34 26.9	JZ	1	22.0 (0)	47.0	5.10
13	MV	eP	17 36 17.1	Z	1.5	18.5 (0)	63.0	4.90
		e	17 36 56	Z	2.1	16.8 (1)		
13	LC	eP	17 37 41.4	Z	2.0	31.2 (0)	76.0	4.95
		e	17 38 21	Z	18.0	67.8 (3)		
							AVG.	4.98
13			17 31 18.7	44.3 N 149.2 E	KURILE ISLANDS			
				H =045 KM MAG	4.70- CGS			
13	MV	eP	17 42 00.2	Z	1.3	24.2 (0)	64.0	5.13
		ePCP	17 42 27	Z	0.7	7.0 (0)		
13	RK	eP	17 42 30.0	Z	0.8	22.3 (0)	70.0	5.21
13	LC	eP	17 43 00.0	Z	0.6	1.5 (0)	77.0	4.18
							AVG.	4.84
13	LV	eP	17 38 59.1	Z	1.0	50.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			17 55 47.7	43.2 N 111.3 W	SOUTHEASTERN IDAHO			
				H =033 KM MAG	3.70- CGS			
13			17 56 27.0	44.5 N 150.2 E	KURILE ISLANDS			
				H =045 KM MAG	4.20- CGS			
13			18 10 55.2	44.0 N 150.0 E	KURILE ISLANDS			
				H =045 KM MAG	4.70- CGS			
13	NP	eP	18 19 19.4	JZ	1	15.7 (0)	48.0	4.96
13	MV	eP	18 21 21.5	Z	1.0	4.7 (0)	63.0	4.48
							AVG.	4.72
13			18 13 44.6	44.2 N 149.4 E	KURILE ISLANDS			
				H =055 KM MAG	4.70- CGS			
13	NP	eP	18 22 17.6	JZ	1.6	59.8 (0)	48.0	5.30
		ePCP	18 23 24	JZ	1.4	60.4 (0)		
13	MV	eP	18 24 19.6	Z	1.1	5.8 (0)	64.0	4.56
13	LC	eP	18 25 36.2	Z	0.6	2.0 (0)	77.0	4.27
13	HW	eL	18 35 14	LZ	26	29.7 (2)	50.0	
							AVG.	4.71
13			18 14 57.5	45.2 N 150.8 E	KURILE ISLANDS			
				H =045 KM MAG	5.20- CGS			
13	MV	eP	18 25 16.0	Z	1.2	19.4 (0)	62.0	5.12
		e	18 25 29	Z	1.5	46.3 (0)		
13	RK	eP	18 26 00.9	Z	0.8	59.4 (0)	69.0	5.69
		e	18 26 13	Z	0.8	83.2 (0)		
13	LC	eP	18 26 41.0	Z	1.2	13.4 (0)	76.0	4.81
		e	18 26 53	Z	1.4	44.6 (0)		
13	DH	eP	18 27 24.2	Z	0.9	58.7 (0)	84.0	5.68
		e	18 27 36	Z	0.9	67.1 (0)		
13	LV	eP	18 27 26.9	Z	1.0	33.6 (0)	85.0	5.39
							AVG.	5.33
13	LV	eL	18 15 44	LZ	24	15.6 (2)		
13			18 34 48.*	47.8 N 148.1 E	KURILE ISLANDS			
				H =033 KM MAG	4.50- CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			44.9 N 150.2 E KURILE ISLANDS					
			H =050 KM MAG 4.20- CGS					
13			44.2 N 149.7 E KURILE ISLANDS					
			H =025 KM MAG 4.60- CGS					
13	NP	eP	19 19 56.1	JZ	1	12.5 (0)	48.0	4.92
13			45.7 N 151.5 E KURILE ISLANDS					
			H =030 KM MAG 4.60- CGS					
13			45.7 N 151.7 E KURILE ISLANDS					
			H =045 KM MAG 5.50- CGS					
13	MV	eP	19 37 51.7	Z	1.3	66.7 (0)	62.0	5.62
13	RK	eP	19 38 36.5	Z	0.9	30.9 (0)	69.0	5.35
13	LC	eP	19 39 16.6	Z	1.5	58.8 (0)	75.0	5.30
13	DH	eP	19 40 00.0	Z	0.6	13.7 (0)	83.0	5.22
13	LV	eP	19 40 03.9	Z	1.2	77.7 (0)	84.0	5.67
13	HW	eL	19 50 19	LZ	24	14.7 (2)	50.0	
							AVG.	5.43
13			45.3 N 151.4 E KURILE ISLANDS					
			H =045 KM MAG 4.90- CGS					
13	MV	eP	19 51 36.9	Z	0.9	3.6 (0)	62.0	4.51
13	LV	eL	20 15 10	LZ	22	45.8 (1)	84.0	
13			45.0 N 151.0 E KURILE ISLANDS					
			H =025 KM MAG 4.40- CGS					
13			44.5 N 150.9 E KURILE ISLANDS					
			H =035 KM MAG 4.20- CGS					
13			44.4 N 151.4 E KURILE ISLANDS					
			H =025 KM MAG 4.50- CGS					
13			45.6 N 151.7 E KURILE ISLANDS					
			H =030 KM MAG 4.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	MV	eP	20 37 54.2	Z	1.1	9.7 (0)	62.0	4.88
13	LC	eP	20 39 19.2	Z	0.6	2.0 (0)	75.0	4.28
							AVG.	4.58
13			46.1 N 151.8 E KURILE ISLANDS					
			H =030 KM MAG 4.50- CGS					
13			45.4 N 151.5 E KURILE ISLANDS					
			H =045 KM MAG 4.40- CGS					
13			45.3 N 151.7 E KURILE ISLANDS					
			H =045 KM MAG 4.70- CGS					
13	MV	eP	21 45 52.5	Z	0.8	2.8 (0)	62.0	4.45
13			44.3 N 149.5 E KURILE ISLANDS					
			H =050 KM MAG 4.30- CGS					
13			46.1 N 151.8 E KURILE ISLANDS					
			H =045 KM MAG 4.50- CGS					
13	MV	eP	22 00 18.9	Z	1.0	3.1 (0)	61.0	4.35
13	DH	eL	22 24 00	LZ	25	22.9 (1)	83.0	
13	LV	eL	22 27 55	LZ	19	47.3 (1)	83.0	
13			44.7 N 152.1 E KURILE ISLANDS					
			H =050 KM MAG 5.50- CGS					
13	NP	eP	22 03 27.0	JZ	1.6	13.5 (1)	47.0	5.67
		eS	22 10 21	R	1.5	19.5 (0)		
13	MV	eP	22 05 15.5	Z	1.0	34.7 (0)	62.0	5.44
13	RK	eP	22 06 02.3	Z	0.9	69.5 (0)	69.0	5.68
13	LC	eP	22 06 40.2	Z	1.3	26.4 (0)	75.0	5.00
							AVG.	5.44
13			45.1 N 150.9 E KURILE ISLANDS					
			H =045 KM MAG 4.90- CGS					
13	NP	eP	22 11 23.6	JZ	.9	22.6 (0)	46.0	5.11
13	RK	eP	22 14 01.8	Z	0.8	32.7 (0)	69.0	5.43

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	22 14 15	Z	0.9	28.9 (0)		
		eL	22 33 55	LT	25	76.0 (1)		
13	DH	eP	22 15 25.2	Z	0.8	32.2 (0)	84.0	5.47
13	HW	eL	22 20 02	LZ	23	12.2 (2)	50.0	
							AVG.	5.33
13	22 25 37.0		44.2 N 149.3 E KURILE ISLANDS H =045 KM MAG 4.40- CGS					
13	RK	eP	22 36 49.0	Z	0.9	13.5 (0)	71.0	4.94
13	22 29 48.6		44.3 N 149.5 E KURILE ISLANDS H =040 KM MAG 4.80- CGS					
13	23 05 33.5		45.5 N 151.8 E KURILE ISLANDS H =030 KM MAG 4.60- CGS					
13	23 08 49.*		45.2 N 151.4 E KURILE ISLANDS H =045 KM MAG 4.60- CGS					
13	23 25 00.8		44.4 N 153.0 E KURILE ISLANDS H =050 KM MAG 4.70- CGS					
13	NP	eP	23 33 21.0	JZ	1.4	30.2 (0)	47.0	5.08
13	MV	eP	23 35 13.7	Z	1.1	7.7 (0)	63.0	4.65
13	LC	eP	23 36 39.2	Z	1.2	7.6 (0)	75.0	4.50
							AVG.	4.74
13	23 52 22.8		44.5 N 150.1 E KURILE ISLANDS H =050 KM MAG 5.50- CGS					
14	NP	eP	00 00 56.2	JZ	1.2	42.4 (0)	47.0	5.29
14	MV	eP	00 02 45.5	Z	1.5	37.1 (0)	63.0	5.19
		eL	00 18 48	LT	20	12.3 (2)		
14	RK	eP	00 03 30.3	Z	0.9	5.7 (0)	70.0	4.55
		eS	00 12 40	LR	17	12.6 (2)		
		eSS	00 17 20	LR	20	73.2 (1)		
		eSSS	00 20 30	LR	20	59.2 (1)		
		eLQ	00 25 20	LR	19	11.7 (2)		
		eLR	00 29 00	LZ	28	12.4 (2)		
14	LC	eP	00 04 09.3	Z	1.8	41.6 (0)	77.0	5.11
14	DH	e	00 15 10	LR	17	13.4 (2)	85.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	00 21 10	LR	24	53.2 (1)		
		eLR	00 36 55	LZ	22	10.9 (2)		
							AVG.	5.03
14	00 03 04.1		45.0 N 150.9 E KURILE ISLANDS H =060 KM MAG 4.70- CGS					
14	RK	eP	00 14 04.9	Z	1.2	22.8 (0)	69.0	5.03
14	DH	eP	00 15 28.8	Z	0.6	4.5 (0)	84.0	4.70
14	LV	eLR	00 42 22	LZ	999.9	99.9 (9)	84.0	
							AVG.	4.86
14	00 04 48.*		46.1 N 151.4 E KURILE ISLANDS H =060 KM MAG 4.60- CGS					
14	00 19 17.9		44.5 N 150.5 E KURILE ISLANDS H =045 KM MAG 4.40- CGS					
14	00 52 04.0		46.6 N 150.6 E KURILE ISLANDS H =035 KM MAG 4.50- CGS					
14	MV	eP	01 02 27.6	Z	1.2	6.9 (0)	62.0	4.69
14	01 09 22.9		44.8 N 151.7 E KURILE ISLANDS H =040 KM MAG 4.10- CGS					
14	01 19 17.1		44.3 N 151.2 E KURILE ISLANDS H =055 KM MAG 4.40- CGS					
14	LC	eP	01 31 01.6	Z	0.9	1.8 (0)	76.0	4.05
14	01 35 50.8		44.4 N 149.8 E KURILE ISLANDS H =050 KM MAG 4.20- CGS					
14	01 50 47.2		44.5 N 151.4 E KURILE ISLANDS H =050 KM MAG 4.40- CGS					
14	MV	eP	02 00 57.3	Z	0.2	2.8 (0)	1.5	
		eS	02 01 17	T	0.3	18.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	02 01 24.*		25.2 N 95.3 E ASSAM INDIA BURMA BORDER H =033 KM MAG 5.30- CGS					
14	NP	eP	02 13 12.0	JZ	.5	17.1 (0)	77.0	5.33
14	02 15 50.*		47.9 N 150.0 E KURILE ISLANDS H =045 KM MAG 4.40- CGS					
14	02 18 38.9		44.4 N 150.3 E KURILE ISLANDS H =045 KM MAG 4.40- CGS					
14	03 21 56.1		44.9 N 151.8 E KURILE ISLANDS H =050 KM MAG 4.20- CGS					
14	03 31 07.8		45.9 N 151.8 E KURILE ISLANDS H =025 KM MAG 5.00- CGS					
14	NP	eP	03 39 28.3	JZ	1	4.4 (0)	46.0	4.39
14	RK	eP	03 42 07.5	Z	0.9	13.3 (0)	68.0	5.07
							AVG.	4.73
14	03 52 56.3		44.7 N 149.8 E KURILE ISLANDS H =050 KM MAG 4.10- CGS					
14	NP	eP	04 01 27.6	JZ	.9	5.3 (0)	47.0	4.52
14	04 06 01.7		44.9 N 150.2 E KURILE ISLANDS H =050 KM MAG 5.30- CGS					
14	NP	eP	04 14 29.7	JZ	1.1	22.6 (0)	47.0	5.06
14	HW	eP	04 15 10	LZ	16	44.3 (1)	51.0	
14	MV	eP	04 16 23.5	Z	1.1	7.4 (0)	63.0	4.63
		eP AS	04 16 37.3	Z	1.1	22.3 (0)		5.10
14	RK	eP	04 17 07.4	Z	1.0	89.1 (0)	70.0	5.69
14	LC	eP	04 17 46.9	Z	1.6	33.4 (0)	76.0	5.07
		eP	04 17 50	LZ	16	23.5 (1)		
		eP AS	04 18 00.0	Z	1.5	46.4 (0)		5.24
14	DH	eP	04 18 30.0	Z	0.8	38.7 (0)	85.0	5.53
		eP	04 18 30	LZ	18	45.6 (1)		
		eP AS	04 18 44.0	Z	0.8	32.2 (0)		5.45
14	LV	eP	04 18 33.7	Z	1.1	41.5 (0)	85.0	5.42

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	04 18 35	LZ	18	35.8 (1)		
		eLR	04 55 33	LZ	19	83.0 (1)		
							AS .	5.26
							AVG.	5.23
14	04 11 14.0		44.7 N 150.6 E KURILE ISLANDS H =045 KM MAG 5.30- CGS					
14	NP	eP	04 19 43.0	JZ	1	14.7 (0)	47.0	4.93
14	HW	eP	04 20 15	LZ	15	70.3 (1)	51.0	
14	MV	eP	04 21 35.0	Z	0.8	7.1 (0)	63.0	4.76
		e	04 21 48	Z	1.2	34.8 (0)		
14	RK	eP	04 22 20.0	Z	0.8	32.2 (0)	70.0	5.37
		e	04 22 33	Z	0.9	70.4 (0)		
14	LC	eP	04 22 59.0	Z	0.8	4.3 (0)	76.0	4.49
14	DH	eP	04 23 43.2	Z	0.8	19.3 (0)	85.0	5.24
14	LV	eP	04 23 46.0	Z	0.9	25.9 (0)	85.0	5.32
							AVG.	5.01
14	04 13 03.1		44.9 N 150.7 E KURILE ISLANDS H =040 KM MAG 5.20- CGS					
14	NP	eP	04 21 34.0	JZ	.9	39.9 (0)	47.0	5.42
14	MV	eP	04 23 24.0	Z	1.2	13.9 (0)	62.0	4.98
14	RK	eP	04 24 09.0	Z	0.7	25.8 (0)	70.0	5.35
		e	04 24 21	Z	0.9	45.6 (0)		
14	LC	eP	04 24 48.0	Z	1.0	6.0 (0)	76.0	4.56
14	DH	eP	04 25 31.5	Z	0.6	13.7 (0)	85.0	5.23
							AVG.	5.10
14	LC	e	04 23 25	LZ	16	22.6 (1)		
14	DH	e	04 23 34	LZ	20	74.4 (1)		
14	MV	e	04 25 03	LT	18	48.9 (1)		
14	HW	e	04 27 14	LR	30	27.4 (2)		
14	LC	e	04 27 33	LT	24	33.4 (1)		
14	HW	e	04 29 08	LR	22	19.1 (2)		
14	MV	e	04 30 04	LT	18	97.8 (1)		
14	RK	e	04 31 12	LR	25	62.8 (1)		
14	HW	e	04 32 00	LR	25	38.6 (2)		
14	RK	e	04 32 18	LR	16	65.0 (1)		
14	LC	e	04 32 43	LT	27	83.2 (1)		
14	HW	eLR	04 33 20	LZ	22	16.6 (2)		
14	DH	e	04 34 15	LT	22	27.4 (1)		
14	LC	e	04 34 25	LT	18	51.5 (1)		
14	04 34 30.6		44.4 N 151.5 E KURILE ISLANDS H =025 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	RK	e	04 36 12	LR	16	60.7 (1)		
14	DH	e	04 37 15	LT	22	30.5 (1)		
14	LC	e	04 38 33	LT	31	86.3 (1)		
14	RK	e	04 39 25	LR	22	53.4 (1)		
14	HW	eL	04 40 06	LT	18	83.0 (2)		
14	HW	eL	04 40 06	LR	18	37.4 (2)		
14	HW	eL	04 40 06	LZ	999.9	99.9 (9)		
14	DH	e	04 42 03	LT	22	24.4 (1)		
14	MV	eL	04 42 35	LT	21	88.7 (1)		
14	RK	eLQ	04 44 00	LR	28	17.2 (2)		
14	LC	eL	04 44 30	LT	30	99.9 (9)		
14	DH	eLR	04 45 40	LZ	28	11.6 (2)		
14	LC	eLR	04 47 15	LZ	22	79.0 (1)		
14	RK	eLR	04 50 00	LZ	20	17.9 (2)		
14	RK	eL	04 56 07	LT	18	34.9 (2)		
14	RK	eL	04 56 07	LR	19	16.5 (2)		
14	RK	eL	04 56 07	LZ	19	44.3 (2)		
14	DH	eL	05 03 00	LR	19	27.9 (2)		
14	DH	eL	05 03 00	LT	18	11.9 (2)		
14	DH	eL	05 03 00	LZ	20	32.0 (2)		
14	05 24 12.3		44.5 N 151.0 E KURILE ISLANDS H =055 KM MAG 4.90- CGS					
14	MV	eP	05 34 31.7	Z	0.6	3.1 (0)	62.0	4.61
		e	05 34 46	Z	0.9	6.9 (0)		
		e	05 35 45	Z	1.0	7.5 (0)		
14	RK	eP	05 35 16.8	Z	1.0	19.8 (0)	70.0	5.03
14	LC	eP	05 35 55.5	Z	0.9	6.5 (0)	76.0	4.59
14	DH	eP	05 36 40.3	Z	0.8	12.9 (0)	84.0	5.04
14	LV	eP	05 36 42.2	Z	0.8	9.9 (0)	85.0	4.93
							AVG.	4.84
14	05 39 17.1		02.3 S 77.6 W PERU ECUADOR BORDER H =033 KM MAG 4.70- CGS					
14	LC	eP	05 47 25.4	Z	0.8	5.7 (0)	44.0	4.35
14	RK	eP	05 48 43.5	Z	0.7	13.5 (0)	55.0	5.08
14	MV	eP	05 49 01.0	Z	1.0	3.0 (0)	58.0	4.28
14	NP	eP	05 51 33.9	JZ	.9	18.6 (0)	82.0	4.23
							AVG.	4.48
14	05 42 55.3		44.8 N 150.6 E KURILE ISLANDS H =050 KM MAG 4.50- CGS					
14	NP	eP	06 24 51.9	JZ	.5	6.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	06 26 11.7		52.8 N 167.1 W FOX ALEUTIAN ISLANDS H =080 KM MAG 5.10- CGS					
14	NP	eP	06 32 18.1	JZ	.9	63.9 (0)	30.0	5.37
14	MV	eP	06 32 48.6	Z	0.9	12.7 (0)	34.0	4.77
14	RK	eP	06 34 10.9	Z	0.9	19.0 (0)	44.0	4.82
14	LC	eP	06 34 40.0	Z	1.0	16.9 (0)	47.0	4.89
		eLR	06 57 48	LZ	20	13.6 (1)		
14	LV	eP	06 35 47.8	Z	0.7	8.3 (0)	56.0	4.87
14	DH	eP	06 36 06.9	Z	0.7	16.2 (0)	59.0	5.16
		eLR	07 04 37	LZ	20	32.5 (1)		
14	HW	eLR	06 45 05	LZ	18	50.2 (1)	34.0	
							AVG.	4.98
14	RK	eP	06 26 50.0	Z	1.0	9.9 (0)		
14	NP	e	06 27 35	JZ	.7	5.2 (0)		
14	06 29 01.5		44.1 N 149.4 E KURILE ISLANDS H =035 KM MAG 4.40- CGS					
14	RK	eP	06 40 15.0	Z	0.8	13.1 (0)	71.0	5.01
14	LV	eL	07 05 35	LZ	17	33.6 (1)	86.0	
14	06 59 56.6		18.8 S 169.3 E NEW HEBRIDES ISLANDS H =250 KM MAG 4.70- CGS					
14	MV	eP	07 12 13.9	Z	0.8	16.9 (0)	87.0	4.97
14	07 15 58.0		44.6 N 150.3 E KURILE ISLANDS H =045 KM MAG 4.90- CGS					
14	NP	eP	07 24 29.5	JZ	.9	7.9 (0)	47.0	4.71
14	MV	eP	07 26 21.5	Z	1.1	5.5 (0)	63.0	4.51
14	RK	eP	07 27 05.2	Z	1.0	19.8 (0)	70.0	5.06
14	DH	eP	07 28 27.6	Z	1.0	21.8 (0)	85.0	5.20
							AVG.	4.87
14	07 53 42.7		45.3 N 151.0 E KURILE ISLANDS H =035 KM MAG 4.10- CGS					
14	07 54 33.9		44.8 N 151.2 E KURILE ISLANDS H =055 KM MAG 5.10- CGS					

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
14	NP	eP		08 03 00.9	JZ	1	5.9 (0)	47.0	4.50
14	MV	eP		08 04 51.9	Z	1.1	13.0 (0)	62.0	4.96
		eP	AS	08 05 06.2	Z	1.2	16.2 (0)		5.02
14	RK	eP		08 05 37.1	Z	0.9	17.1 (0)	69.0	5.05
		eP	AS	08 05 51.0	Z	0.9	15.2 (0)		5.00
14	LC	eP		08 06 15.8	Z	0.8	8.6 (0)	76.0	4.76
		eP	AS	08 06 30.0	Z	0.8	9.3 (0)		4.80
14	DH	eP		08 07 00.3	Z	0.6	4.5 (0)	84.0	4.71
								AS .	4.94
								AVG.	4.79

14 08 31 23.3 42.2 N 108.3 W WYOMING
H =033 KM MAG 4.50- CGS

14 08 43 56.6 44.7 N 150.7 E KURILE ISLANDS
H =050 KM MAG 4.30- CGS

14 09 22 06.6 19.0 S 169.0 E NEW HEBRIDES IS. REGION
H =160 KM

14 09 29 07.1 45.5 N 151.7 E KURILE ISLANDS
H =040 KM MAG 4.60- CGS

14 10 01 27.2 45.1 N 150.8 E KURILE ISLANDS
H =045 KM MAG 4.20- CGS

14	RK	eL		10 12 08	T	1.0	8.2 (0)		

14 10 24 36.9 45.7 N 150.2 E KURILE ISLANDS
H =040 KM MAG 4.30- CGS

14	NP	eP		11 12 38.3	JZ	.9	7.9 (0)		

14 11 13 19.4 45.0 N 150.9 E KURILE ISLANDS
H =045 KM MAG 4.40- CGS

14	RK	eP		11 24 23.2	Z	0.8	5.8 (0)	69.0	4.68

14 11 23 13.5 45.5 N 151.7 E KURILE ISLANDS
H =050 KM MAG 4.30- CGS

DAY	STA	PHASE		TIME	INST	PER	AMPL	DIST	MAG
14	MV	eP		11 33 31.0	Z	1.2	9.2 (0)	62.0	4.78

14 11 56 31.0 45.4 N 150.9 E KURILE ISLANDS
H =045 KM MAG 4.40- CGS

14	NP	eP		12 04 53.9	JZ	.8	2.2 (0)	46.0	4.16

14 12 11 42.5 45.6 N 152.4 E KURILE ISLANDS
H =040 KM MAG 4.50- CGS

14 12 44 54.1 44.7 N 150.2 E KURILE ISLANDS
H =050 KM MAG 4.30- CGS

14 13 21 45.2 44.8 N 151.0 E KURILE ISLANDS
H =060 KM MAG 5.90- CGS

14	NP	eP		13 30 11.3	JZ	.8	98.6 (0)	47.0	5.81
		e		13 37 02	JZ	1.4	54.0 (0)		
14	HW	eP		13 30 38.0	Z	1.3	48.4 (1)	51.0	6.33
		eP		13 30 38	LZ	15	14.6 (2)		
		ePCP		13 31 56	Z	1.1	15.5 (1)		
		eS		13 37 53	LR	20	32.5 (2)		
		eS		13 37 53	LT	18	38.5 (2)		
		eSCS		13 40 27	LR	16	26.3 (2)		
		eLQ		13 42 03	LR	999.9	99.9 (9)		
		eLR		13 44 35	LZ	28	51.7 (2)		
		eL		13 53 55	LT	17	11.4 (3)		
		eL		13 53 55	LR	15	57.7 (2)		
		eL		13 53 55	LZ	17	94.7 (2)		
14	MV	eP		13 32 02.9	Z	1.2	13.9 (1)	62.0	5.94
		e		13 32 19	Z	1.2	13.4 (1)		
		ePP		13 34 30	Z	1.4	25.1 (0)		
		eS		13 40 23	LT	18	27.4 (2)		
		eSS		13 44 40	LT	17	16.0 (2)		
		eLQ		13 47 40	LT	22	16.1 (2)		
14	RK	eP		13 32 47.9	Z	1.1	12.8 (1)	70.0	5.78
		eP		13 32 50	LZ	14	10.7 (2)		
		e		13 33 04	Z	1.2	41.1 (1)		
		ePP		13 35 47	Z	1.5	94.6 (0)		
		e		13 41 50	LR	19	20.3 (2)		
		eS		13 41 55	R	2.1	68.3 (0)		
		e		13 46 10	LR	25	10.4 (2)		
		e		13 49 50	LR	23	11.4 (2)		
		eLQ		13 52 27	LR	37	28.9 (2)		
		eLR		13 56 28	LZ	24	22.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	LC	eP	13 33 26.6	Z	1.5	12.8 (1)	76.0	5.65
		eP	13 33 27	LZ	13	11.2 (2)		
		e	13 33 42	Z	1.4	15.0 (1)		
		e	13 33 45	LZ	17	60.1 (1)		
		ePP	13 36 16	Z	1.7	55.6 (0)		
		ePP	13 36 17	LZ	20	21.4 (1)		
		eS	13 43 08	LT	28	99.9 (9)		
		eS	13 43 09	T	3.5	25.1 (1)		
		e	13 44 30	LT	17	10.0 (2)		
		eSS	13 47 45	LT	23	62.0 (1)		
		eSSS	13 51 08	LT	23	95.5 (1)		
		eLQ	13 53 47	LT	40	99.9 (9)		
		eLR	13 57 20	LZ	36	20.3 (2)		
14	DH	eP	13 34 10.6	Z	1.1	10.7 (1)	84.0	5.81
		eP	13 34 14	LZ	16	15.5 (2)		
		e	13 34 26	Z	1.4	59.7 (1)		
		e	13 44 30	LT	22	10.9 (2)		
		ePS	13 45 25	LT	20	93.5 (1)		
		eSSS	13 53 48	LT	21	7.4 (0)		
		eLQ	13 59 00	LR	36	22.6 (2)		
		eLR	14 03 20	LZ	22	20.9 (2)		
		eL	14 13 12	LT	21	64.2 (2)		
		eL	14 13 12	LR	20	26.4 (2)		
		eL	14 13 12	LZ	999.9	99.9 (9)		
14	LV	eP	13 34 13.7	Z	1.1	83.1 (0)	84.0	5.69
		eP	13 34 14	LZ	13	15.7 (2)		
		e	13 34 32	Z	1.3	84.1 (1)		
		ePP	13 37 37	LZ	14	89.9 (1)		
		eLR	13 55 46	LZ	23	97.3 (1)		
							AVG.	5.85

14 13 53 17.4 45.0 N 151.1 E KURILE ISLANDS
H =030 KM MAG 4.80- CGS

14	NP	eP	14 01 44.1	JZ	.6	1.8 (0)	47.0	4.29
14	MV	eP	14 03 38.1	Z	0.8	1.7 (0)	62.0	4.28
14	RK	eP	14 04 22.8	Z	0.9	15.2 (0)	69.0	5.10
14	LC	eP	14 05 02.1	Z	0.8	2.1 (0)	76.0	4.24
14	DH	eP	14 05 45.0	Z	0.8	12.9 (0)	84.0	5.11
							AVG.	4.60

14 MV eP 14 01 17.5 Z 1.0 3.0 (0)

14 14 47 30.9 03.3 S 126.7 E CERAM SEA
H =033 KM MAG 4.70- CGS

14 15 31 39.* 01.6 N 127.6 E TIMOR REGION
H =231 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	DH	eP	16 53 55.5	Z	0.3	7.7 (0)	0.8	
		eS	16 54 16	R	0.4	44.3 (0)		

14 17 50 15.3 45.2 N 151.3 E KURILE ISLANDS
H =060 KM MAG 5.00- CGS

14	NP	eP	17 58 37.8	JZ	.7	6.2 (0)	46.0	4.63
		ePCP	18 00 12	JZ	1	14.7 (0)		
14	RK	eP	18 01 15.8	Z	0.8	11.7 (0)	69.0	4.92
14	DH	eP	18 02 39.0	Z	0.8	12.9 (0)	84.0	5.02
							AVG.	4.85

14 17 56 17.8 45.0 N 151.3 E KURILE ISLANDS
H =030 KM MAG 4.50- CGS

14 18 02 56.* 44.8 N 152.2 E KURILE ISLANDS
H =040 KM MAG 4.40- CGS

14 18 32 07.* 04.2 S 103.4 E SUMATRA
H =033 KM

14	LC	eP	18 40 09.6	Z	0.2	19.6 (0)	1.5	
		eS	18 40 28	R	0.3	6.0 (0)		

14 20 46 16.8 44.8 N 152.3 E KURILE ISLANDS
H =040 KM MAG 4.60- CGS

14 21 08 00.1 45.0 N 150.5 E KURILE ISLANDS
H =045 KM MAG 5.10- CGS

14	NP	eP	21 16 25.8	JZ	.5	8.9 (0)	47.0	5.01
14	MV	eP	21 18 20.6	Z	1.1	11.1 (0)	63.0	4.81
14	RK	eP	21 19 04.6	Z	0.7	12.3 (0)	70.0	5.01
14	LC	eP	21 19 44.6	Z	1.0	4.8 (0)	76.0	4.45
14	DH	eP	21 20 27.5	Z	0.7	10.8 (0)	84.0	5.05
							AVG.	4.86

14 21 19 54.7 44.3 N 149.3 E KURILE ISLANDS
H =045 KM MAG 4.70- CGS

14 NP eP 21 28 28.7 JZ .9 5.3 (0) 48.0 4.53

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	MV	eP	21 30 26.0	Z	1.3	17.4 (0)	64.0	4.99
14	RK	eP	21 31 05.9	Z	0.9	19.0 (0)	71.0	5.09
14	LC	eP	21 31 48.5	Z	1.0	9.7 (0)	77.0	4.75
							AVG.	4.84
14	NP	eP	21 23 14.7	JZ	.6	34.4 (0)		
14	LC	eP	21 26 33.1	Z	0.2	4.6 (0)	3.0	
		e	21 26 38	Z	0.3	5.2 (0)		
		eS	21 27 11	T	0.4	12.1 (0)		
14	21 43 46.7		44.5 N 149.2 E KURILE ISLANDS					
			H =060 KM MAG 4.10- CGS					
14	LC	eP	21 55 56.5	Z	0.3	3.9 (0)	2.0	
		eS	21 56 23	T	0.4	4.7 (0)		
14	22 06 14.*		44.0 N 149.3 E KURILE ISLANDS					
			H =033 KM MAG 4.10- CGS					
14	22 08 27.1		17.0 S 173.9 E FIJI ISLANDS REGION					
			H =033 KM MAG 4.50- CGS					
14	22 35 31.7		44.5 N 150.6 E KURILE ISLANDS					
			H =045 KM MAG 5.00- CGS					
14	NP	eP	22 44 02.0	JZ	.9	14.6 (0)	47.0	4.97
14	RK	eP	22 46 39.0	Z	0.9	13.3 (0)	70.0	4.93
14	DH	eP	22 48 01.5	Z	0.7	5.4 (0)	85.0	4.75
14	HW	eLR	23 01 32	LZ	22	52.0 (1)	51.0	
							AVG.	4.88
14	22 59 05.4		17.0 S 173.8 E FIJI ISLANDS REGION					
			H =033 KM MAG 4.60- CGS					
14	MV	eP	22 59 23.0	Z	0.3	5.9 (0)	2.5	
		eS	22 59 54	R	0.4	9.2 (0)		
14	23 05 16.*		39.5 N 74.4 E SINKIANG PROVINCE, CHINA					
			H =069 KM					
14	NP	eP	23 15 44.2	JZ	.4	9.2 (0)	47.0	5.05

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	00 38 53.0		45.0 N 151.8 E KURILE ISLANDS					
			H =045 KM MAG 4.30- CGS					
15	00 42 52.4		45.1 N 150.9 E KURILE ISLANDS					
			H =045 KM MAG 4.20- CGS					
15	00 47 41.0		43.2 N 150.2 E KURILE ISLANDS					
			H =040 KM MAG 4.20- CGS					
15	HW	eL	01 14 23	LZ	20	99.5 (1)		
15	LC	e	01 32 00	LZ	18	38.3 (1)		
15	LV	eL	01 39 55	LZ	22	83.0 (1)		
15	DH	eL	01 40 18	LZ	22	54.6 (1)		
15	MV	eP	04 06 30.9	Z	0.8	2.6 (0)		
15	04 13 22.*		02.6 N 98.9 E SUMATRA					
			H =137 KM					
15	04 33 44.*		48.9 N 151.7 E KURILE ISLANDS					
			H =033 KM MAG 4.20- CGS					
15	04 56 26.6		44.5 N 149.6 E KURILE ISLANDS					
			H =050 KM MAG 4.50- CGS					
15	RK	eP	05 07 36.0	Z	0.7	13.6 (0)	70.0	5.03
15	LC	eP	05 08 15.2	Z	0.7	2.4 (0)	77.0	4.28
							AVG.	4.65
15	05 10 34.2		44.3 N 151.4 E KURILE ISLANDS					
			H =045 KM MAG 4.20- CGS					
15	RK	eP	05 21 39.5	Z	0.8	4.4 (0)	70.0	4.50
15	DH	eP	05 23 02.5	Z	0.8	6.2 (0)	84.0	4.75
							AVG.	4.62
15	NP	eP	06 04 58.5	JZ	1	12.1 (0)		
15	06 49 37.8		42.2 N 152.3 E KURILE ISLANDS					
			H =040 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	HW	eLR	07 14 43	LZ	23	28.9 (2)	49.0	
		eL	07 16 50	LT	18	53.2 (2)		
		eL	07 16 50	LR	17	28.4 (2)		
		eL	07 16 50	LZ	19	54.7 (2)		
15	MV	eL	07 20 00	LR	16	37.9 (1)	63.0	
15	LC	eL	07 29 00	LZ	19	48.9 (1)	76.0	
15	07 06 59.9		20.5 S 173.9 W TONGA ISLANDS					
			H =033 KM MAG 5.10- CGS					
15	MV	eP	07 18 52.7	Z	1.3	17.2 (0)	77.0	4.92
15	LC	eP	07 19 25.6	Z	1.1	13.4 (0)	83.0	4.98
							AVG.	4.95
15	07 26 09.4		59.0 N 136.8 W SOUTHERN ALASKA					
			H =033 KM MAG 4.30- CGS					
15	MV	eP	07 31 02.8	Z	1.4	21.3 (0)	22.0	4.34
		e	07 32 16	Z	1.0	8.9 (0)		
15	07 26 10.8		60.1 N 134.7 W YUKON					
			H =033 KM MAG 4.30- CGS					
15	NP	eP	07 30 21.6	JZ	1	30.3 (0)		
15	RK	eL	07 31 35	LZ	20	11.7 (2)		
15	RK	eP	07 31 37.2	Z	0.9	7.6 (0)		
15	RK	e	07 39 29	Z	2.0	10.8 (1)		
15	LV	eL	07 40 50	LZ	19	14.1 (2)		
15	DH	eL	07 43 40	LR	20	82.0 (1)		
15	08 00 11.5		45.0 N 151.1 E KURILE ISLANDS					
			H =040 KM MAG 4.90- CGS					
15	NP	eP	08 08 38.0	JZ	1	39.5 (0)	47.0	5.38
15	MV	eP	08 10 43.8	Z	1.2	18.3 (0)	62.0	5.10
15	RK	eP	08 11 15.9	Z	1.0	49.7 (0)	69.0	5.53
15	DH	eP	08 12 38.7	Z	0.8	18.6 (0)	84.0	5.24
15	LV	eP	08 12 55.4	Z	1.3	64.7 (0)	84.0	5.57
							AVG.	5.36
15	09 02 08.3		45.3 N 150.2 E KURILE ISLANDS					
			H =040 KM MAG 5.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	NP	eP	09 10 34.0	JZ	1.2	53.3 (0)	47.0	5.42
15	MV	eP	09 12 30.0	Z	1.0	14.9 (0)	63.0	4.99
15	RK	eP	09 13 13.8	Z	0.9	42.0 (0)	69.0	5.51
15	LC	eP	09 13 53.6	Z	1.0	13.3 (0)	76.0	4.90
15	DH	eP	09 14 35.5	Z	1.0	31.4 (0)	84.0	5.37
15	LV	eP	09 14 40.0	Z	0.9	38.8 (0)	85.0	5.51
							AVG.	5.28
15	09 14 34.3		44.3 N 149.5 E KURILE ISLANDS					
			H =033 KM MAG 4.30- CGS					
15	09 32 08.7		45.2 N 150.2 E KURILE ISLANDS					
			H =040 KM MAG 5.50- CGS					
15	NP	eP	09 40 36.0	JZ	.9	27.3 (0)	47.0	5.26
15	MV	eP	09 42 30.9	Z	0.7	11.8 (0)	63.0	5.04
		ePCP	09 43 09	Z	0.7	8.1 (0)		
15	RK	eP	09 43 14.6	Z	0.7	34.6 (0)	70.0	5.47
		eL	09 56 10	LZ	32	55.4 (1)		
15	LC	eP	09 43 54.4	Z	0.8	10.7 (0)	76.0	4.90
		ePP	09 46 45	Z	0.9	2.8 (0)		
15	DH	eP	09 44 36.6	Z	0.7	20.8 (0)	84.0	5.35
15	LV	eP	09 44 40.9	Z	0.9	90.6 (0)	85.0	5.88
		eL	10 07 03	LZ	21	50.3 (1)		
							AVG.	5.31
15	09 59 30.1		67.2 N 18.4 W NORTH OF ICELAND					
			H =033 KM MAG 5.50- PAL					
15	NP	eP	10 05 29.0	JZ	1.5	70.9 (0)	29.0	5.20
15	DH	eP	10 06 55.5	Z	0.9	16.1 (0)	39.0	4.75
		eP	10 06 56	LZ	13	11.9 (2)		
		ePP	10 08 26	LZ	13	17.3 (2)		
		ePCP	10 09 05	Z	0.7	10.4 (0)		
		eS	10 12 55	LT	19	20.9 (2)		
		eLQ	10 16 14	LR	21	10.9 (2)		
		eLR	10 19 22	LZ	23	68.5 (2)		
15	RK	eP	10 06 56.0	Z	0.7	43.3 (0)	39.0	5.29
		eS	10 13 02	LR	20	15.7 (2)		
		eSS	10 15 38	LR	27	63.3 (1)		
		eL	10 18 30	LR	33	38.5 (2)		
15	LV	eP	10 08 54.6	Z	0.9	38.8 (0)	54.0	5.43
		eL	10 25 00	LZ	31	31.3 (2)		
15	MV	eP	10 09 28.9	Z	0.8	8.8 (0)	59.0	4.84
		eLQ	10 26 11	LR	34	30.3 (2)		
		eLR	10 31 24	LZ	26	29.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	10 33 20	LR	14	75.0 (2)		
		eL	10 33 20	LT	22	40.9 (2)		
		eL	10 33 20	LZ	24	21.2 (2)		
15	LC	eP	10 09 35.1	Z	1.0	19.4 (0)	60.0	5.12
		eL	10 29 40	LZ	24	11.8 (2)		
15	HW	eL	10 43 40	LZ	25	14.7 (2)	88.0	
							AVG.	5.10
15	10 47 12.6		44.6 N 149.0 E KURILE ISLANDS					
			H =050 KM MAG 5.40- CGS					
15	NP	eP	10 55 44.5	JZ	1.3	53.9 (0)	48.0	5.36
15	MV	eP	10 57 40.0	Z	1.3	57.4 (0)	64.0	5.49
15	RK	eP	10 58 23.5	Z	0.9	13.0 (1)	71.0	5.91
15	LC	eP	10 59 02.7	Z	0.6	15.2 (0)	77.0	5.15
15	DH	eP	10 59 44.4	Z	0.9	64.5 (0)	85.0	5.70
15	LV	eP	10 59 49.6	Z	1.0	10.1 (1)	86.0	5.80
							AVG.	5.56
15	HW	eL	11 10 58	LZ	26	81.6 (1)		
15	NP	eP	11 21 48.5	JZ	1	4.5 (0)		
15	LC	eP	11 28 51.4	Z	0.9	14.0 (0)		
15	RK	eP	11 29 45.0	Z	0.5	20.6 (0)		
15	11 53 45.5		45.1 N 151.9 E KURILE ISLANDS					
			H =055 KM MAG 4.80- CGS					
15	NP	eP	12 02 09.7	JZ	1	15.1 (0)	46.0	4.87
15	MV	eP	12 03 59.1	Z	1.0	5.9 (0)	62.0	4.66
15	LC	eP	12 05 23.5	Z	0.7	2.4 (0)	75.0	4.22
							AVG.	4.58
15	12 03 48.7		45.1 N 151.8 E KURILE ISLANDS					
			H =045 KM MAG 4.70- CGS					
15	NP	eP	12 12 14.0	JZ	.5	8.3 (0)	46.0	4.93
15	RK	eL	12 31 40	LZ	28	67.1 (1)	69.0	
15	LC	eL	12 34 40	LZ	20	48.1 (1)	75.0	
15	DH	eL	12 37 58	LR	18	35.7 (1)	84.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	12 28 58.*		46.6 N 77.6 W SOUTHWEST QUEBEC, CANADA					
			H =014 KM					
15	DH	eP	12 30 14.0	Z	0.2	4.9 (0)	5.4	4.74
		eS	12 31 17	R	0.4	79.3 (0)		
15	RK	e	12 33 47	Z	0.5	3.7 (0)		
15	RK	e	12 34 55	R	0.9	68.8 (0)		
15	13 56 19.1		17.1 S 173.9 E FIJI ISLANDS REGION					
			H =033 KM MAG 4.50- CGS					
15	13 59 50.*		46.3 N 77.8 W SOUTHWEST QUEBEC, CANADA					
			H =014 KM MAG 3.80- CGS					
15	DH	eP	14 01 01.5	Z	0.2	4.9 (0)	5.4	4.74
		eS	14 02 09	R	0.4	11.5 (1)		
15	RK	eP	14 04 38.5	Z	0.5	3.7 (0)	5.7	
		eS	14 05 46	R	0.7	46.4 (0)		
15	LC	eP	14 13 47.0	Z	1.0	7.2 (0)		
15	15 15 10.4		44.3 N 114.7 W CENTRAL IDAHO					
			H =033 KM MAG 3.90- CGS					
15	16 16 05.7		45.6 N 150.2 E KURILE ISLANDS					
			H =033 KM MAG 4.60- CGS					
15	DH	eP	16 23 56.1	Z	0.7	10.4 (0)	1.8	
		eS	16 24 19	R	0.5	10.0 (0)		
15	RK	eP	17 02 06.5	Z	0.4	6.8 (0)	4.2	
		eS	17 02 57	R	0.4	16.4 (0)		
15	17 15 55.7		44.0 N 149.3 E KURILE ISLANDS					
			H =050 KM MAG 4.40- CGS					
15	17 35 00.3		44.8 N 150.4 E KURILE ISLANDS					
			H =040 KM MAG 4.20- CGS					
15	17 54 04.3		45.2 N 151.3 E KURILE ISLANDS					
			H =029 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	18 23 57.8		45.3 N 151.0 E KURILE ISLANDS					
			H =035 KM MAG 4.90- CGS					
15	NP	eP	18 32 21.0	JZ	1	7.5 (0)	46.0	4.61
15	MV	eP	18 34 21.2	Z	1.1	7.3 (0)	62.0	4.75
		eL	18 54 51	LZ	23	50.5 (1)		
15	RK	eP	18 35 00.0	Z	0.9	9.5 (0)	69.0	4.88
		eL	18 58 45	LZ	40	10.1 (2)		
15	HW	eS	18 40 20	LT	19	22.9 (2)	50.0	
		eL	18 47 00	LZ	27	18.7 (2)		
							AVG.	4.74
15	LC	eP	18 55 45.0	Z	1.5	14.2 (0)		
15	LC	eL	19 05 10	LZ	20	10.1 (2)		
15	LV	eL	19 10 35	LZ	20	33.9 (1)		
15	DH	eL	19 12 09	LZ	23	15.8 (2)		
15	19 55 10.4		28.2 S 67.3 W CATAMARCA PROV., ARGENTINA					
			H =056 KM MAG 4.30- CGS					
15	20 41 30.2		45.4 N 151.1 E KURILE ISLANDS					
			H =050 KM MAG 4.90- CGS					
15	NP	eP	20 49 52.0	JZ	.6	1.8 (0)	46.0	4.18
15	MV	eP	20 51 50.0	Z	0.9	2.2 (0)	62.0	4.29
15	RK	eP	20 52 30.5	Z	0.7	4.9 (0)	69.0	4.64
		e	21 11 55	LZ	20	35.1 (1)		
		eL	21 16 25	LR	27	30.3 (1)		
15	LC	eP	20 53 11.1	Z	1.0	4.8 (0)	75.0	4.38
		e	21 11 30	LZ	25	21.2 (1)		
		e	21 14 00	LZ	27	33.8 (1)		
		e	21 19 30	LZ	25	21.8 (1)		
		eL	21 22 45	LZ	23	73.2 (1)		
15	HW	eL	21 05 00	LZ	21	10.6 (2)	50.0	
15	DH	eL	21 26 42	LZ	23	21.6 (1)	84.0	
15	LV	eL	21 28 45	LZ	17	61.8 (1)	84.0	
							AVG.	4.37
15	21 44 58.0		03.0 S 129.9 E CERAM					
			H =027 KM MAG 5.20- CGS					
15	NP	eP	21 58 31.5	JZ	.7	10.7 (0)	98.0	5.63
15	RK	eP?	22 03 48.5	Z	0.6	5.2 (0)	120.0	
		eL	22 44 08	LZ	18	89.3 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	LC	eP?	22 03 51.5	Z	1.0	4.8 (0)	120.0	
		ePKKP	22 14 02	Z	1.0	6.0 (0)		
		eL	22 41 00	LZ	26	51.7 (1)		
15	HW	eL	22 20 21	LZ	26	14.8 (2)	76.0	
15	MV	eL	22 34 38	LZ	28	54.3 (1)	106.0	
15	LV	eL	22 48 30	LZ	25	60.2 (1)	131.0	
15	DH	eL	22 53 10	LZ	24	57.4 (1)	135.0	
		eL	22 59 00	LT	25	11.1 (2)		
		eL	22 59 00	LR	24	67.2 (1)		
		eL	22 59 00	LZ	24	23.3 (2)		
15	22 41 44.7		46.8 N 152.4 E KURILE ISLANDS					
			H =035 KM MAG 4.60- CGS					
15	23 09 00.5		45.9 N 149.9 E KURILE ISLANDS					
			H =040 KM MAG 4.60- CGS					
15	MV	eP	23 26 30.9	Z	0.5	14.0 (0)	2.1	
		eS	23 26 58	T	0.5	7.1 (0)		
15	LC	eP	23 40 39.0	Z	0.9	4.6 (0)		
16	00 45 59.5		45.1 N 153.7 E KURILE ISLANDS					
			H =045 KM MAG 4.30- CGS					
16	01 25 06.7		46.1 N 151.8 E KURILE ISLANDS					
			H =045 KM MAG 4.90- CGS					
16	05 15 36.1		44.8 N 150.4 E KURILE ISLANDS					
			H =033 KM MAG 5.20- CGS					
16	NP	eP	05 24 06.0	JZ	.6	8.1 (0)	47.0	4.93
16	RK	eP	05 26 43.7	Z	0.7	20.1 (0)	70.0	5.25
		e	05 26 57	Z	1.5	74.2 (0)		
		eL	05 54 08	LZ	23	32.7 (1)		
16	LC	eP	05 27 22.8	Z	1.1	9.6 (0)	76.0	4.74
		eLQ	05 48 02	LT	38	84.4 (1)		
		eLR	05 53 46	LZ	22	19.0 (1)		
16	DH	eP	05 28 05.9	Z	0.8	24.5 (0)	84.0	5.38
		e	05 29 25	Z	0.8	6.1 (0)		
16	LV	eP	05 28 09.5	Z	1.0	40.4 (0)	85.0	5.50
16	HW	eL	05 34 12	LZ	24	68.0 (1)	51.0	
							AVG.	5.16
16	DH	eLR	06 02 30	LZ	22	33.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	LV	eL	06 03 55	LZ	17	34.0 (1)		
16	07 12 57.9		22.2 S 179.5 W FIJI ISLANDS REGION H =539 KM MAG 4.30- CGS					
16	07 50 22.4		10.8 S 163.7 E SOLOMON ISLANDS REGION H =068 KM MAG 4.50- CGS					
16	08 33 42.0		45.6 N 151.9 E KURILE ISLANDS H =045 KM MAG 5.00- CGS					
16	NP	eP	08 42 03.7	JZ	1.1	8.7 (0)	46.0	4.60
16	RK	eP	08 44 40.4	Z	0.9	11.6 (0)	68.0	4.93
		e	08 44 53	Z	0.8	25.4 (0)		
16	LC	eP	08 45 20.5	Z	1.0	3.9 (0)	75.0	4.30
16	DH	eP	08 46 04.1	Z	0.8	6.1 (0)	83.0	4.74
		e	08 46 18	Z	0.8	12.2 (0)		
							AVG.	4.64
16	LV	eLR	09 28 28	LZ	18	30.5 (1)		
16	09 29 56.7		45.2 N 153.8 E KURILE ISLANDS H =040 KM MAG 4.60- CGS					
16	RK	eP	09 40 52.5	Z	0.9	9.7 (0)	68.0	4.87
16	LC	eP	09 41 30.0	Z	1.0	3.9 (0)	74.0	4.31
							AVG.	4.59
16	10 30 55.2		45.2 N 150.4 E KURILE ISLANDS H =045 KM MAG 5.00- CGS					
16	NP	eP	10 39 21.7	JZ	.5	12.2 (0)	47.0	5.15
16	RK	eP	10 42 00.0	Z	0.9	25.2 (0)	69.0	5.26
		e	10 42 12	Z	0.9	44.6 (0)		
16	LC	eP	10 42 39.2	Z	0.9	3.0 (0)	76.0	4.28
16	DH	eP	10 43 22.7	Z	0.8	12.2 (0)	84.0	5.05
		e	10 43 35	Z	1.0	41.4 (0)		
16	HW	eL	10 54 22	LZ	24	56.6 (1)	51.0	
							AVG.	4.93
16	12 47 44.2		01.8 S 127.9 E HALMAHERA REGION H =033 KM MAG 5.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	NP	eP	13 01 16.1	JZ	1	5.9 (0)	97.0	5.13
16	DH	eP	13 08 59.0	Z	0.2	14.8 (0)	1.8	
		eS	13 09 23	R	0.3	28.6 (0)		
16	13 55 26.2		15.1 S 173.6 W TONGA ISLANDS REGION H =033 KM MAG 4.90- CGS					
16	LC	eP	14 07 32.5	Z	1.0	27.3 (0)	80.0	5.10
		eLR	14 30 30	LZ	31	32.9 (1)		
16	HW	eL	14 12 10	LZ	23	68.3 (1)	39.0	
16	LV	eLR	14 38 15	LZ	26	23.9 (1)	91.0	
16	RK	eLR	14 40 50	LZ	24	27.1 (1)	95.0	
16	DH	eLR	14 47 40	LZ	22	18.3 (1)	107.0	
16	14 20 45.3		45.8 N 151.8 E KURILE ISLANDS H =040 KM MAG 4.50- CGS					
16	14 59 43.8		46.6 N 150.4 E KURILE ISLANDS H =040 KM MAG 4.30- CGS					
16	15 31 00.7		42.4 N 70.7 W NEAR COAST OF MASS. H =025 KM MAG 4.20- PAL					
16	DH	eP	15 31 52.0	Z	0.2	4.9 (0)	3.1	4.19
		e	15 31 59	Z	0.3	55.5 (0)		
		e	15 32 27	R	0.3	13.3 (1)		
		eS	15 32 43	R	0.4	23.7 (1)		
16	RK	eL	15 38 42	Z	0.7	1.2 (0)	18.0	
16	15 36 32.5		44.2 N 114.8 W CENTRAL IDAHO H =033 KM MAG 4.20- CGS					
16	RK	eL	15 44 34	R	1.3	57.1 (0)	16.0	
16	15 43 00.8		38.6 N 73.4 E TADZHIK. S. S. R. H =033 KM MAG 5.90- CGS					
16	NP	eP	15 53 37.0	JZ	999.9	99.9 (9)	65.0	
		eS	16 02 13	R	1.0	8.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	RK	eP	15 55 56.8	Z	0.8	10.4 (0)	90.0	5.08
		e	15 56 02	Z	1.2	10.8 (1)		
		e	15 56 15	LZ	17	34.2 (1)		
		eSKS	16 06 34	LR	13	99.9 (9)		
		ePS	16 08 00	LT	20	16.1 (2)		
		eL	16 23 50	LT	23	25.7 (2)		
16	LC	eP	16 01 47.4	Z	0.8	2.3 (0)	109.0	
		e	16 08 08	LZ	18	25.5 (1)		
		eSP	16 11 21	LZ	17	80.6 (1)		
		eL	16 29 06	LZ	24	85.0 (1)		
16	DH	eSKS	16 06 50	LT	15	11.9 (2)	95.0	
		ePS	16 08 48	LT	24	14.8 (2)		
		e	16 10 52	LT	27	63.2 (1)		
		eSS	16 14 07	LT	22	10.6 (2)		
		eLQ	16 24 03	LT	26	87.5 (1)		
		eLR	16 30 30	LZ	19	25.7 (2)		
16	MV	eSP	16 10 08	LZ	20	61.7 (1)	101.0	
		eSS	16 15 38	LT	25	60.0 (1)		
		eLQ	16 25 30	LT	25	18.0 (2)		
		eLR	16 37 10	LZ	29	32.3 (2)		
		eL	16 39 12	LR	25	48.0 (2)		
		eL	16 39 12	LT	24	21.7 (2)		
		eL	16 39 12	LZ	24	25.0 (2)		
16	LV	eSP	16 11 20	LZ	22	93.6 (1)	108.0	
		eLR	16 35 25	LZ	999.9	99.9 (9)		
16	HW	e	16 20 56	LZ	30	15.0 (2)	106.0	
		eL	16 29 17	LR	44	13.9 (3)		
		eL	16 34 15	LR	23	11.8 (3)		
		eL	16 34 15	LT	15	16.9 (2)		
		eL	16 34 15	LZ	17	95.1 (1)		
16	NP	eP	15 53 13.7	JZ	.5	13.0 (0)		
16	NP	eP	16 31 23.0	JZ	.5	7.3 (0)		
16	DH	eP	16 55 46.6	Z	0.3	7.4 (0)	0.8	
		eS	16 55 58	R	0.4	15.3 (0)		
16	DH	eP	18 12 15.2	Z	0.2	4.9 (0)	1.5	
		eS	18 12 36	R	0.4	18.4 (0)		

16 19 02 25.0 28.8 N 58.0 E SOUTHERN IRAN
H =032 KM MAG 4.80- CGS

16	NP	eP	19 14 05.5	JZ	.6	16.3 (0)	75.0	5.17

16 20 31 15.* 38.6 N 73.1 E TADZHIK. S. S. R.
H =070 KM

16	NP	eP	20 41 46.4	JZ	.3	27.1 (0)	65.0	5.74

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

16 20 39 30.5 08.8 N 137.9 E PALAU ISLANDS REGION
H =028 KM MAG 5.00- CGS

16	LV	eLR	21 41 50	LZ	23	31.9 (1)	117.0	
16	DH	eLR	21 46 33	LZ	18	23.8 (1)	121.0	
16	LC	eP	20 52 33.0	Z	0.2	5.5 (0)	2.5	
		eS	20 53 05	T	0.2	16.7 (0)		
16	LC	eP	20 59 50.0	Z	0.2	22.3 (0)	3.2	
		eS	21 00 09	T	0.2	22.3 (0)		
16	DH	eP	21 15 25.9	Z	0.2	4.9 (0)	1.9	
		eS	21 15 51	R	0.3	9.5 (0)		

16 21 30 52.7 44.4 N 150.9 E KURILE ISLANDS
H =080 KM MAG 5.00- CGS

16	NP	eP	21 39 18.1	JZ	1.6	17.6 (1)	47.0	5.70
		ePP	21 41 12	JZ	1.6	52.5 (0)		
16	RK	eP	21 41 54.8	Z	0.8	8.9 (0)	70.0	4.70
		e	21 42 11	Z	0.7	13.8 (0)		
16	DH	eP	21 43 18.0	Z	0.5	3.9 (0)	85.0	4.65
							AVG.	5.01
16	LC	eP	21 42 13.7	Z	0.2	24.1 (0)	1.5	
		eS	21 42 33	T	0.2	33.4 (0)		
16	NP	eP	21 52 00.7	JZ	1.6	56.3 (0)		
16	NP	eP	22 31 54.7	JZ	1	19.2 (0)		

16 22 21 15.8 17.7 N 62.0 W LEEWARD ISLANDS REGION
H =067 KM MAG 4.90- CGS

16	LC	eP	22 29 09.0	Z	1.2	48.0 (0)	43.0	5.10
		eLR	22 44 54	LZ	25	27.4 (1)		
16	RK	eLR	22 41 44	LZ	30	47.6 (1)	42.0	
16	DH	eLR	22 23 03	LZ	22	51.9 (1)		
16	LV	e	22 23 26	LZ	20	36.2 (1)		
16	LV	eL	22 35 56	LZ	25	39.5 (1)		
16	MV	eL	23 50 33	LZ	27	32.9 (1)		

17 00 35 20.* 45.1 N 149.6 E KURILE ISLANDS
H =033 KM MAG 4.90- CGS

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
17			01 22 08.1	44.5 N 114.7 W			CENTRAL IDAHO		
				H =033 KM MAG		4.70-	CGS		
17			02 11 35.3	21.5 S 63.4 W			SOUTHERN BOLIVIA		
				H =033 KM MAG		4.50-	CGS		
17			03 05 50.2	11.6 N 140.6 E			MARIANA ISLANDS REGION		
				H =070 KM MAG		5.10-	CGS		
17	NP	eP	03 17 58.6		JZ	1.2	29.1 (0)	81.0	5.04
17			03 45 08.6	45.1 N 151.4 E			KURILE ISLANDS		
				H =045 KM MAG		4.30-	CGS		
17			04 19 50.0	45.2 N 151.7 E			KURILE ISLANDS		
				H =050 KM MAG		4.50-	CGS		
17	LC	eP	05 31 15.7		Z	0.3	0.8 (0)		
17	LC	eL	05 32 35		R	0.4	2.2 (0)		
17			08 10 55.2	44.3 N 149.1 E			KURILE ISLANDS		
				H =045 KM MAG		4.70-	CGS		
17	NP	eP	08 19 29.9		JZ	1	7.7 (0)	48.0	4.65
17	RK	eP	08 22 06.7		Z	1.0	12.4 (0)	71.0	4.85
17	LC	eP	08 22 46.9		Z	0.8	1.4 (0)	77.0	4.03
		e	08 23 00		Z	0.8	2.9 (0)		
							AVG.		4.51
17			08 31 18.6	45.8 N 151.7 E			KURILE ISLANDS		
				H =045 KM MAG		4.60-	CGS		
17			09 33 24.0	38.8 N 73.4 E			TADZHIK, S. S. R.		
				H =040 KM MAG		4.40-	CGS		
17	NP	eP	09 44 00.4		JZ	.7	17.3 (0)	65.0	5.27
17			10 16 48.9	43.8 N 151.0 E			KURILE ISLANDS		
				H =050 KM MAG		4.50-	CGS		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
17	RK	eP	10 27 56.9		Z	0.9	9.5 (0)	70.0	4.77
		e	10 28 10		Z	1.0	12.4 (0)		
17	HW	eL	10 42 03		LZ	14	52.8 (1)	50.0	
17			10 41 26.6	45.0 N 150.8 E			KURILE ISLANDS		
				H =033 KM MAG		4.30-	CGS		
17			11 35 30.7	17.3 S 168.0 E			NEW HEBRIDES ISLANDS		
				H =033 KM MAG		4.30-	CGS		
17			11 50 50.*	45.0 N 151.4 E			KURILE ISLANDS		
				H =045 KM MAG		4.30-	CGS		
17			12 18 23.0	49.2 N 149.8 E			KURILE ISLANDS		
				H =045 KM MAG		4.20-	CGS		
17			12 58 33.6	45.1 N 150.3 E			KURILE ISLANDS		
				H =050 KM MAG		4.20-	CGS		
17	MV	eL	14 00 17		LZ	32	69.9 (1)		
17			14 06 32.2	44.2 N 149.2 E			KURILE ISLANDS		
				H =040 KM MAG		4.60-	CGS		
17	NP	eP	14 15 08.3		JZ	1	7.7 (0)	48.0	4.66
17	RK	eP	14 17 44.8		Z	0.7	18.5 (0)	71.0	5.20
17	LC	eP	14 18 24.3		Z	0.7	1.2 (0)	77.0	4.02
								AVG.	4.62
17			14 13 59.8	09.8 N 126.5 E			NEAR COAST MINDANAO, P. I.		
				H =033 KM MAG		5.40-	CGS		
17	NP	eP	14 26 38.8		JZ	.9	37.5 (0)	86.0	5.45
17	LC	ePKKP	14 43 23		Z	0.8	2.9 (0)	114.0	
17			14 22 14.6	46.2 N 152.0 E			KURILE ISLANDS		
				H =045 KM MAG		4.40-	CGS		
17	DH	eP	14 34 42.0		Z	0.4	14.3 (0)	83.0	5.41

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	HW	eL	14 48 51	LZ	25	13.7 (2)	50.0	
17	DH	eP	14 31 05.7	Z	0.2	24.6 (0)	1.9	
		eS	14 31 31	T	0.2	67.8 (0)		
17	15 03 12.7		44.1 N 149.2 E KURILE ISLANDS					
			H =055 KM MAG 4.60- CGS					
17	NP	eP	15 11 46.9	JZ	1	4.6 (0)	48.0	4.40
17	RK	eP	15 14 23.7	Z	0.8	8.8 (0)	71.0	4.77
							AVG.	4.58
17	LV	eL	15 15 30	LZ	29	36.6 (1)		
17	LC	eL	15 17 05	LZ	23	33.0 (1)		
17	19 03 31.6		06.6 N 126.3 E OFF COAST MINDANAO, P. I.					
			H =033 KM MAG 5.40- CGS					
17	DH	eP	20 46 34.5	Z	0.5	7.8 (0)	1.8	
		eS	20 46 59	T	0.5	15.3 (0)		
17	LC	eP	21 09 50.3	Z	0.3	7.5 (0)	1.4	
		eS	21 10 10	R	0.3	14.0 (0)		
17	22 35 40.1		45.3 N 151.6 E KURILE ISLANDS					
			H =030 KM MAG 4.40- CGS					
17	LV	eL	23 27 38	LZ	19	39.4 (1)		
17	23 24 34.4		44.6 N 149.0 E KURILE ISLANDS					
			H =045 KM MAG 5.40- CGS					
17	NP	eP	23 33 06.9	JZ	1.3	24.8 (0)	47.0	5.04
		eS	23 39 59	T	2.3	22.2 (1)		
		e	23 40 23	T	3.2	42.0 (1)		
17	HW	eP	23 33 52.6	Z	1.3	23.8 (1)	52.0	6.00
		eP	23 33 53	LZ	15	99.9 (1)		
		eS	23 41 00	LT	22	86.5 (1)		
		eLQ	23 45 15	LR	21	99.6 (1)		
		eLR	23 47 55	LZ	999.9	99.9 (9)		
17	MV	eP	23 35 04.7	Z	1.3	32.2 (0)	64.0	5.25
		eP	23 35 10	LZ	17	11.3 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	23 35 17	Z	1.7	19.5 (1)		
		e	23 43 32	LZ	23	24.0 (2)		
17	RK	eP	23 35 44.8	Z	0.6	15.6 (0)	71.0	5.18
		eP	23 35 47	LZ	19	14.9 (2)		
		e	23 35 53	Z	0.8	52.9 (0)		
		eS	23 44 48	LR	21	37.5 (2)		
		eS	23 44 55	R	2.0	90.5 (0)		
		e	23 45 30	Z	0.7	12.3 (0)		
		eLQ	23 49 40	LR	21	23.9 (2)		
18	RK	eLR	00 00 39	LZ	28	52.4 (2)	71.0	
17	LC	eP	23 36 24.8	Z	0.9	10.5 (0)	77.0	4.83
		eP	23 36 27	LZ	18	86.6 (1)		
		e	23 36 39	Z	1.2	96.1 (0)		
		eS	23 46 09	LR	20	19.1 (2)		
		eSS	23 51 15	LR	28	20.4 (2)		
		eLQ	23 54 30	LR	20	11.1 (2)		
18	LC	eLR	00 00 17	LZ	28	99.9 (9)	77.0	
							AVG.	5.26
4	0	437157G 7'	7			.H 1=.7 (0)	54.0	
17	DH	eP	23 37 08.5	Z	0.7	36.1 (0)	85.0	5.57
		eP	23 37 09	LZ	18	18.3 (2)		
		eS	23 47 32	LR	27	41.8 (2)		
		eL	23 53 00	LR	30	14.4 (2)		
17	LV	eP	23 37 12.7	Z	1.0	80.3 (0)	85.0	5.76
		eP	23 37 13	LZ	18	14.4 (2)		
		e	23 47 10	LZ	22	16.0 (2)		
		eL	23 54 00	LZ	24	17.4 (2)		
							AVG.	4.70
17	23 54 56.9		44.5 N 149.0 E KURILE ISLANDS					
			H =045 KM MAG 4.90- CGS					
18	DH	eP	00 07 29.9	Z	1.1	25.4 (0)	85.0	5.22
18	01 59 38.8		44.5 N 149.1 E KURILE ISLANDS					
			H =045 KM MAG 4.90- CGS					
18	NP	eP	02 08 12.2	JZ	1.3	17.6 (0)	48.0	4.89
18	MV	eP	02 10 20.5	Z	1.2	10.5 (0)	64.0	4.80
18	RK	eP	02 10 50.3	Z	1.0	35.0 (0)	71.0	5.30
		e	02 11 03	Z	0.7	29.8 (0)		
18	LC	eP	02 11 29.2	Z	1.1	6.1 (0)	77.0	4.51
18	DH	eP	02 12 11.5	Z	1.0	20.5 (0)	85.0	5.17

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	02 48 09	LZ	25	27.0 (1)		
18	LV	eP	02 12 28.4	Z	1.1	51.2 (0)	86.0	5.47
18	HW	eL	02 28 00	LZ	20	62.3 (1)	52.0	
							AVG.	5.02
18	02 28 40.6		44.5 N 153.3 E KURILE ISLANDS					
			H =050 KM MAG 4.20- CGS					
18	02 47 04.*		18.0 S 178.7 W FIJI ISLANDS					
			H =650 KM MAG 3.70- CGS					
18	LC	eP	02 58 36.0	Z	0.9	1.9 (0)	85.0	3.72
18	04 01 21.7		44.5 N 150.4 E KURILE ISLANDS					
			H =060 KM MAG 4.80- CGS					
18	NP	eP	04 09 50.8	JZ	1	18.7 (0)	47.0	4.99
18	MV	eP	04 11 43.1	Z	0.7	2.5 (0)	63.0	4.34
18	RK	eP	04 12 27.6	Z	0.8	14.7 (0)	70.0	4.98
18	LC	eP	04 13 06.4	Z	1.0	3.7 (0)	76.0	4.29
18	DH	eP	04 13 50.0	Z	0.8	12.1 (0)	85.0	5.00
18	LV	eP	04 13 53.0	Z	0.9	31.9 (0)	85.0	5.36
		eL	04 48 50	LZ	23	13.8 (1)		
18	HW	eL	04 27 41	LZ	19	91.8 (1)	51.0	
							AVG.	4.82
18	04 36 00.9		44.0 N 150.9 E KURILE ISLANDS					
			H =040 KM MAG 4.50- CGS					
18	05 16 10.4		42.8 N 141.4 E NEAR COAST HOKKAIDO, JAPAN					
			H =040 KM MAG 4.60- CGS					
18	LC	eP	05 28 31.2	Z	1.0	2.5 (0)	83.0	4.27
18	05 26 15.7		45.3 N 151.6 E KURILE ISLANDS					
			H =040 KM MAG 4.20- CGS					
18	05 40 53.*		45.4 N 151.5 E KURILE ISLANDS					
			H =040 KM MAG 4.50- CGS					
18	06 20 21.6		44.7 N 149.9 E KURILE ISLANDS					
			H =060 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	NP	eP	06 28 51.2	JZ	.5	12.0 (0)	47.0	5.10
18	RK	eP	06 31 28.2	Z	0.7	2.4 (0)	70.0	4.27
		eL	06 58 09	LZ	27	13.1 (2)		
18	HW	eL	06 43 39	LZ	24	49.5 (1)	51.0	
18	MV	eL	06 51 00	LR	16	14.6 (1)	63.0	
18	LC	eL	06 58 19	LZ	20	98.0 (0)	77.0	
18	DH	eL	07 05 04	LR	16	19.7 (1)	85.0	
18	LV	eL	07 09 41	LZ	23	31.5 (1)	85.0	
							AVG.	4.68
18	MV	eL	06 38 10	LR	17	15.3 (1)		
18	07 05 14.9		45.8 N 150.8 E KURILE ISLANDS					
			H =030 KM MAG 4.50- CGS					
18	07 55 14.0		44.8 N 150.0 E KURILE ISLANDS					
			H =055 KM MAG 4.30- CGS					
18	RK	eP	08 06 19.8	Z	0.8	7.3 (0)	70.0	4.70
18	08 05 22.1		62.6 N 146.6 W CENTRAL ALASKA					
			H =051 KM MAG 4.20- CGS					
18	LC	eP	08 13 03.5	Z	1.0	3.7 (0)	39.0	4.12
18	NP	eP	08 07 25.5	JZ	.7	11.0 (1)		
18	08 15 17.0		44.5 N 151.1 E KURILE ISLANDS					
			H =055 KM MAG 4.30- CGS					
18	08 41 38.0		10.5 S 161.6 E SOLOMON ISLANDS					
			H =033 KM MAG 4.90- CGS					
18	MV	eP	08 54 20.0	Z	0.9	6.5 (0)	87.0	4.79
18	08 53 33.9		44.8 N 150.2 E KURILE ISLANDS					
			H =060 KM MAG 5.00- CGS					
18	NP	eP	09 02 01.5	JZ	.9	33.7 (0)	47.0	5.29

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	MV	eP	09 03 55.0	Z	0.8	3.0 (0)	63.0	4.35
		eS	09 12 30	LT	19	56.5 (1)		
		eL	09 19 58	LT	26	76.7 (1)		
18	RK	eP	09 04 38.5	Z	0.9	11.5 (0)	70.0	4.83
		eS	09 13 45	LR	20	62.2 (1)		
		eSS	09 18 34	LR	20	44.2 (1)		
		eLQ	09 21 36	LR	23	44.4 (1)		
		eLR	09 35 37	LZ	22	85.0 (1)		
		eL	09 39 16	LR	19	12.1 (2)		
		eL	09 39 16	LT	17	20.1 (2)		
		eL	09 39 16	LZ	19	18.7 (2)		
18	LC	eP	09 05 18.0	Z	1.2	7.6 (0)	76.0	4.52
		eS	09 15 09	LT	19	44.4 (1)		
		eSSS	09 23 10	LT	21	19.8 (1)		
		eLQ	09 25 50	LT	20	37.5 (1)		
		eLR	09 31 35	LZ	23	39.8 (1)		
		eL	09 43 30	LT	18	93.5 (1)		
		eL	09 43 30	LR	17	98.7 (1)		
		eL	09 43 30	LZ	20	78.4 (1)		
18	DH	eP	09 06 00.9	Z	1.0	20.5 (0)	84.0	5.13
		eS	09 16 25	LR	18	50.2 (1)		
		eSS	09 21 50	LR	25	20.4 (1)		
		eL	09 32 15	LR	20	35.4 (1)		
		eL	09 46 00	LR	19	16.6 (2)		
		eL	09 46 00	LT	18	73.0 (1)		
		eL	09 46 00	LZ	18	10.4 (2)		
18	HW	eS	09 09 58	LT	16	21.1 (2)	51.0	
		eL	09 16 55	LT	28	11.7 (2)		
18	LV	eL	09 41 11	LZ	19	50.9 (1)	85.0	
							AVG.	4.82

18	10 04 31.*	48.2 N	151.4 E	KURILE ISLANDS				
		H =033 KM	MAG	4.20-	CGS			
18	10 18 18.3	44.9 N	152.8 E	KURILE ISLANDS				
		H =055 KM	MAG	4.30-	CGS			

18	DH	eP	15 02 52.4	Z	0.3	36.7 (0)	1.6	
		eS	15 03 20	R	0.4	14.2 (1)		
18	16 00 33.8	34.0 S	71.4 W	CENTRAL CHILE				
		H =060 KM	MAG	4.00-	CGS			
18	NP	eP	16 08 17.2	JZ	1	9.3 (0)		
18	LC	eP	17 14 07.0	Z	1.2	7.6 (0)		
18	DH	eL	17 30 52	LZ	29	18.4 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	LV	eL	17 40 40	LZ	28	12.7 (1)		
18	LC	eL	17 47 35	LZ	24	10.6 (1)		
18	17 55 00.2	45.6 N	150.6 E	KURILE ISLANDS				
		H =040 KM	MAG	5.20-	CGS			
18	NP	eP	18 03 23.2	JZ	1.1	56.9 (0)	46.0	5.43
18	MV	eP	18 05 19.2	Z	1.2	15.8 (0)	62.0	5.03
		ePCP	18 05 59	Z	0.8	8.1 (0)		
18	RK	eP	18 06 02.4	Z	0.9	40.3 (0)	69.0	5.49
18	LC	eP	18 06 43.2	Z	0.6	8.3 (0)	76.0	4.92
		eL	18 32 06	LZ	30	15.9 (1)		
18	DH	eP	18 07 25.2	Z	0.9	47.4 (0)	84.0	5.60
		eL	18 38 39	LZ	31	40.5 (1)		
18	LV	eL	18 37 10	LZ	31	36.6 (1)	84.0	
							AVG.	5.29
18	18 45 57.2	43.7 N	149.6 E	KURILE ISLANDS				
		H =045 KM	MAG	4.20-	CGS			
18	RK	eP	19 00 57.5	Z	0.7	4.9 (0)		
18	DH	eP	19 47 24.7	Z	0.8	18.2 (0)		

18	20 05 14.4	47.6 N	154.3 E	KURILE ISLANDS				
		H =040 KM	MAG	5.10-	CGS			
18	NP	eP	20 13 15.5	JZ	1.5	90.2 (0)	44.0	5.27
18	MV	eP	20 15 11.4	Z	0.8	3.0 (0)	59.0	4.37
		eL	20 33 57	LZ	17	29.1 (1)		
18	LC	eP	20 16 38.7	Z	1.0	5.0 (0)	72.0	4.47
		eL	20 39 53	LZ	29	14.7 (1)		
18	DH	eL	20 33 05	LZ	25	40.5 (1)	80.0	
18	LV	eL	20 46 53	LZ	22	11.9 (1)	81.0	
							AVG.	4.70
18	20 19 12.4	31.1 N	41.1 W	NORTH ATLANTIC OCEAN				
		H =033 KM	MAG	4.50-	CGS			
18	NP	eP	20 28 53.0	JZ	.8	9.6 (0)	57.0	4.88
18	LC	eP	21 03 47.2	Z	0.2	11.9 (0)	1.5	
		eS	21 04 07	R	0.2	16.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	21 22 52.7		45.2 N 151.1 E KURILE ISLANDS H =045 KM MAG 5.00- CGS					
18	MV	eP	21 33 10.4	Z	1.2	13.1 (0)	62.0	4.95
18	RK	eP	21 33 54.5	Z	0.8	25.1 (0)	69.0	5.31
18	LC	eP	21 34 34.1	Z	1.1	6.1 (0)	76.0	4.51
18	DH	eP	21 35 17.8	Z	0.9	31.6 (0)	84.0	5.41
		eL	22 11 06	LR	20	14.1 (1)		
18	LV	eL	22 12 21	LZ	21	22.1 (1)	84.0	
							AVG.	5.04
18	21 36 55.0		05.3 S 103.5 E SUMATRA H =033 KM MAG 5.10- CGS					
18	LC	eL	22 09 45	LZ	19	12.7 (1)		
18	22 52 50.6		46.1 N 152.5 E KURILE ISLANDS H =040 KM MAG 4.40- CGS					
18	LC	eL	23 39 54	LZ	31	13.2 (1)	74.0	
18	23 43 35.9		44.7 N 149.2 E KURILE ISLANDS H =045 KM MAG 4.40- CGS					
19	HW	eP	00 20 07.5	Z	0.2	20.1 (0)	1.5	
		eS	00 20 27	T	0.3	11.0 (1)		
19	01 04 54.1		15.9 N 93.9 W NEAR COAST CHIAPAS, MEX. H =034 KM MAG 4.30- CGS					
19	LC	eP	01 09 27.0	Z	0.8	24.7 (0)	20.0	4.52
19	02 14 17.4		18.3 S 71.2 W NEAR COAST OF SOUTH PERU H =078 KM MAG 4.50- CGS					
19	DH	eP	02 24 20.5	Z	0.8	6.5 (0)	60.0	4.78
19	LC	eP	02 24 24.5	Z	0.6	1.0 (0)	61.0	4.05
19	RK	eP	02 25 32.2	Z	0.8	4.4 (0)	71.0	4.40
							AVG.	4.41

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	02 18 37.9		46.8 N 153.7 E KURILE ISLANDS H =045 KM MAG 5.20- CGS					
19	NP	eP	02 26 45.9	JZ	.9	24.8 (0)	44.0	4.94
		e	02 26 58	JZ	1.8	15.7 (1)		
19	MV	eP	02 28 40.6	Z	0.9	4.0 (0)	60.0	4.49
		e	02 28 51	Z	1.5	61.2 (0)		
		eS	02 36 52	LT	17	10.1 (2)		
		eSCS	02 38 22	LT	16	84.0 (1)		
		eSS	02 40 50	LR	25	40.4 (1)		
		eLQ	02 43 38	LT	25	15.6 (2)		
		eLR	02 46 40	LZ	21	81.1 (1)		
19	RK	eP	02 29 25.3	Z	1.0	27.3 (0)	67.0	5.30
19	LC	eP	02 30 00.6	Z	1.2	15.1 (0)	73.0	4.86
		e	02 30 18	Z	1.5	14.4 (1)		
		e	02 31 20	LZ	13	62.4 (1)		
		eS	02 39 35	LT	22	94.9 (1)		
		eSS	02 43 37	LT	25	41.2 (1)		
		eL	02 49 50	LT	28	92.5 (1)		
19	DH	eP	02 30 50.5	Z	1.0	33.0 (0)	81.0	5.22
		eS	02 41 00	LR	20	67.4 (1)		
		eSS	02 46 32	LR	18	36.7 (1)		
		eL	03 00 05	LR	23	10.9 (2)		
19	LV	eP	02 30 54.5	Z	1.0	40.8 (0)	82.0	5.37
		eP	02 31 00	LZ	13	45.0 (1)		
		e	02 45 42	LZ	22	23.9 (1)		
		e	02 53 38	LZ	18	95.4 (1)		
		eLR	03 05 30	LZ	23	17.7 (2)		
19	HW	eS	02 34 30	LT	18	27.3 (2)	49.0	
		eLR	02 40 10	LZ	27	27.9 (2)		
							AVG.	5.03
19	03 02 43.*		46.7 N 154.0 E KURILE ISLANDS H =033 KM MAG 3.90- CGS					
19	NP	eP	03 08 28.6	JZ	1.3	7.0 (0)		
19	03 15 02.5		46.5 N 153.9 E KURILE ISLANDS H =040 KM MAG 5.10- CGS					
19	NP	eP	03 23 11.7	JZ	.6	7.1 (0)	44.0	4.57
19	MV	eP	03 25 05.0	Z	0.9	8.0 (0)	60.0	4.78
19	RK	eP	03 25 51.2	Z	0.8	2.9 (0)	67.0	4.44
19	LC	eP	03 26 31.2	Z	1.3	14.1 (0)	73.0	4.81
		e	03 26 44	Z	1.2	18.9 (0)		
19	DH	eP	03 27 19.0	Z	0.9	8.4 (0)	82.0	4.75

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	HW	eLR	03 37 15	LZ	23	89.3 (1)	49.0 AVG.	4.67
19	03 34 19.6		46.6 N 153.8 E KURILE ISLANDS H =033 KM MAG 5.50- PAL					
19	NP	eP	03 42 29.4	JZ	1	33.4 (0)	44.0	5.02
19	MV	eP	03 44 24.4	Z	1.1	10.7 (0)	60.0	4.82
		e	03 45 22	Z	0.9	9.3 (0)		
		eS	03 52 37	LT	18	15.6 (2)		
		eSCS	03 54 08	LT	16	15.6 (2)		
		eLQ	03 59 25	LT	25	27.6 (2)		
		eLR	04 02 20	LZ	24	13.4 (2)		
		eL	04 04 25	LR	19	12.3 (2)		
		eL	04 04 25	LT	18	54.5 (1)		
		eL	04 04 25	LZ	22	13.4 (2)		
19	RK	eP	03 45 09.5	Z	1.0	57.2 (0)	67.0	5.65
19	LC	eP	03 45 50.6	Z	1.3	14.1 (0)	73.0	4.83
		eS	03 55 10	LT	18	10.4 (2)		
		eLQ	04 06 08	LT	30	15.8 (2)		
		eLR	04 13 50	LZ	21	19.4 (2)		
19	DH	eP	03 46 35.0	Z	0.9	33.8 (0)	82.0	5.37
19	LV	eP	03 46 38.3	Z	1.2	94.1 (0)	82.0	5.69
19	HW	e	03 50 17	LZ	20	27.6 (2)	49.0	
		e	03 54 10	LR	22	30.8 (2)		
		eLR	03 56 10	LZ	27	52.4 (2)		
		eL	03 58 18	LT	23	45.7 (2)		
		eL	03 58 18	LR	17	25.0 (2)		
		eL	03 58 18	LZ	23	48.1 (2)		
						AVG.		5.23
19	03 47 07.7		46.8 N 153.8 E KURILE ISLANDS H =025 KM MAG 5.20- CGS					
19	NP	eP	03 55 17.5	JZ	1	29.0 (0)	44.0	4.96
19	MV	eP	03 57 16.0	Z	1.2	13.3 (0)	60.0	4.87
19	RK	eP	03 57 57.4	Z	0.9	24.8 (0)	67.0	5.36
19	LC	eP	03 58 37.2	Z	1.3	11.8 (0)	73.0	4.78
19	DH	eP	03 59 23.0	Z	1.0	33.0 (0)	81.0	5.26
19	LV	eP	03 59 25.9	Z	1.2	94.1 (0)	81.0	5.64
						AVG.		5.14
19	HW	eP	03 54 13.1	Z	0.3	30.2 (0)		
19	04 07 35.4		46.8 N 153.7 E KURILE ISLANDS H =040 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	04 10 44.*		47.3 N 153.6 E KURILE ISLANDS H =040 KM MAG 4.20- CGS					
19	DH	eL	04 18 22	LZ	20	17.0 (2)		
19	LV	eLR	04 21 15	LZ	20	35.1 (2)		
19	04 26 17.4		44.4 N 149.3 E KURILE ISLANDS H =050 KM MAG 4.50- CGS					
19	RK	eP	04 37 28.1	Z	0.7	8.6 (0)	71.0	4.84
19	LC	eP	04 38 07.3	Z	0.7	1.2 (0)	77.0	3.99
							AVG.	4.41
19	04 59 31.1		21.2 S 71.0 W OFF COAST OF NORTH CHILE H =033 KM MAG 4.60- CGS					
19	05 41 18.1		44.6 N 149.1 E KURILE ISLANDS H =040 KM MAG 4.20- CGS					
19	RK	eP	05 52 28.8	Z	0.6	3.1 (0)	70.0	4.49
19	06 39 40.*		51.8 N 171.8 W FOX ALEUTIAN ISLANDS H =060 KM MAG 4.20- CGS					
19	06 46 06.7		41.2 N 71.3 E KIRGHIZ. S. S. R. H =033 KM MAG 5.00- CGS					
19	NP	eP	06 56 30.5	JZ	.9	15.7 (0)	62.0	5.17
19	LC	eP	06 55 24.5	Z	0.9	1.8 (0)		
19	RK	eP	06 55 31.9	Z	0.7	9.9 (0)		
19	RK	e	06 56 52	Z	0.8	4.4 (0)		
19	07 00 24.8		58.7 N 137.4 W SOUTHEASTERN ALASKA H =034 KM MAG 3.90- CGS					
19	NP	eP	07 04 37.9	JZ	1	15.9 (0)	19.0	4.23
19	MV	eP	07 05 19.0	Z	1.0	5.2 (0)	22.0	3.88
							AVG.	4.05

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19			18.4 S 168.9 E NEW HEBRIDES ISLANDS					
			H =222 KM MAG 4.60- CGS					
19			44.1 N 151.1 E KURILE ISLANDS					
			H =045 KM MAG 4.60- CGS					
19			09.9 N 126.1 E NEAR E. COAST LEYTE, P. I.					
			H =086 KM					
19	NP	eP	09 14 53.3	JZ	.9	2.6 (0)	86.0	4.19
19			45.4 N 149.2 E KURILE ISLANDS					
			H =030 KM MAG 4.60- CGS					
19			62.4 N 149.6 W CENTRAL ALASKA					
			H =096 KM MAG 4.30- CGS					
19	MV	eP	11 25 22.1	Z	0.9	6.6 (0)	29.0	4.27
19			10.1 S 119.3 E SUMBA					
			H =033 KM					
19	DH	eP*1	12 12 35.0	Z	0.8	13.0 (0)	146.0	
19	NP	eP	14 03 04.0	JZ	1	5.8 (0)		
19	HW	eP	14 17 06.4	Z	0.3	30.2 (0)	0.7	
		eS	14 17 16	R	0.3	85.8 (0)		
19			34.0 S 71.4 W CENTRAL CHILE					
			H =060 KM MAG 4.20- CGS					
19	LC	eP	15 02 51.7	Z	0.6	2.0 (0)	74.0	4.21
19	RK	eP	15 04 01.2	Z	0.7	2.4 (0)	87.0	4.42
							AVG.	4.31
19			23.7 S 70.0 W NORTHERN CHILE					
			H =067 KM MAG 4.40- CGS					
19			44.8 N 150.9 E KURILE ISLANDS					
			H =040 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19			44.4 N 150.9 E KURILE ISLANDS					
			H =120 KM MAG 5.10- CGS					
19	MV	eP	16 25 33.8	Z	1.3	50.0 (0)	63.0	5.24
19	RK	eP	16 26 18.8	Z	1.0	29.8 (0)	70.0	5.05
		e	16 26 50	Z	1.5	10.2 (1)		
19	LC	eP	16 26 57.5	Z	1.3	30.7 (0)	76.0	4.95
		epP	16 27 31	Z	1.5	39.7 (0)		
		e	16 27 42	Z	1.5	39.7 (0)		
		e	16 49 12	LT	30	36.7 (1)		
		eL	16 57 52	LR	22	31.7 (1)		
19	DH	eP	16 27 42.0	Z	0.8	13.0 (0)	85.0	4.87
19	HW	eLQ	16 36 00	LR	22	14.5 (2)	50.0	
		eLR	16 39 33	LZ	20	38.9 (1)		
							AVG.	5.02
19			45.0 N 149.4 E KURILE ISLANDS					
			H =045 KM MAG 4.40- CGS					
19	DH	eLR	16 59 15	LZ	26	42.8 (1)	85.0	
19	RK	eP	16 36 22.3	Z	0.3	3.5 (0)	1.7	
		eS	16 36 46	R	0.3	6.0 (0)		
		eP	16 37 08.5	Z	0.3	3.5 (0)		
		eS	16 37 32	R	0.3	18.0 (0)		
19	LV	eL	17 02 48	LZ	17	24.7 (1)		
19	LC	eP	17 08 46.3	Z	0.2	5.8 (0)	2.5	
		eS	17 09 18	T	0.2	9.5 (0)		
19			35.9 S 80.5 E INDIAN OCEAN					
			H =033 KM					
19			46.5 N 152.7 E KURILE ISLANDS					
			H =040 KM MAG 4.20- CGS					
19			45.2 N 151.2 E KURILE ISLANDS					
			H =045 KM MAG 4.30- CGS					
19	LC	eP	20 34 16.2	Z	0.5	0.4 (0)		
19	LC	eL	20 36 12	R	1.0	6.8 (0)		
19			42.6 N 152.0 E KURILE ISLANDS					
			H =040 KM MAG 3.90- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	21	22 25.*	15.2 N 89.2 W GUATEMALA HONDURAS BORDER H =033 KM MAG 3.90- CGS					
19	23	11 40.9	45.2 N 151.1 E KURILE ISLANDS H =033 KM MAG 4.60- CGS					
19	RK	eP	23 22 44.7	Z	0.7	16.0 (0)	69.0	5.22
19	LC	eP	23 23 22.8	Z	0.7	1.2 (0)	76.0	4.04
19	DH	eP	23 24 08.0	Z	0.8	19.5 (0)	84.0	5.28
							AVG.	4.84
19	23	44 31.6	45.1 N 151.4 E KURILE ISLANDS H =040 KM MAG 4.40- CGS					
19	NP	eP	23 52 59.7	JZ	.9	15.7 (0)	46.0	4.96
20	00	22 53.3	37.7 S 73.2 W NEAR COAST OF CHILE H =035 KM MAG 5.00- CGS					
20	00	42 41.9	44.3 N 149.7 E KURILE ISLANDS H =040 KM MAG 4.00- CGS					
20	00	53 07.2	44.7 N 150.7 E KURILE ISLANDS H =025 KM MAG 7.25-7.50 PAL					
20	01	07 35.0	47.4 N 151.1 E KURILE ISLANDS H =045 KM MAG 5.00- CGS					
20	01	14 05.2	44.6 N 150.1 E KURILE ISLANDS H =045 KM MAG 4.80- CGS					
20	01	22 35.1	45.9 N 153.6 E KURILE ISLANDS H =040 KM MAG 5.00- CGS					
20	01	40 39.5	43.9 N 149.8 E KURILE ISLANDS H =040 KM MAG 4.20- CGS					
20	01	54 12.5	23.4 S 68.4 W NORTHERN CHILE H =118 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	02	09 29.4	44.7 N 150.0 E KURILE ISLANDS H =045 KM MAG 4.90- CGS					
20	02	12 43.4	45.0 N 150.8 E KURILE ISLANDS H =050 KM MAG 4.80- CGS					
20	02	20 36.7	44.8 N 150.0 E KURILE ISLANDS H =040 KM MAG 4.20- CGS					
20	02	52 00.*	46.5 N 148.1 E KURILE ISLANDS H =040 KM MAG 3.80- CGS					
20	02	58 54.2	44.4 N 149.6 E KURILE ISLANDS H =060 KM MAG 4.50- CGS					
20	03	00 10.9	20.8 S 178.6 W FIJI ISLANDS REGION H =600 KM MAG 4.80- CGS					
20	03	13 23.0	44.1 N 149.8 E KURILE ISLANDS H =040 KM MAG 4.30- CGS					
20	03	16 51.*	46.7 N 152.0 E KURILE ISLANDS H =033 KM MAG 4.20- CGS					
20	03	41 41.9	44.3 N 149.4 E KURILE ISLANDS H =045 KM MAG 3.90- CGS					
20	03	55 28.9	44.8 N 149.9 E KURILE ISLANDS H =055 KM MAG 4.20- CGS					
20	03	59 15.4	45.3 N 149.7 E KURILE ISLANDS H =055 KM MAG 4.60- CGS					
20	04	31 37.1	44.4 N 149.9 E KURILE ISLANDS H =050 KM MAG 4.30- CGS					
20	04	40 09.1	44.9 N 150.3 E KURILE ISLANDS H =050 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME		INST	PER	AMPL		DIST	MAG
20	04	46 57.9	44.6 N	149.8 E	KURILE ISLANDS					
			H =040 KM	MAG		4.20-		CGS		
20	04	58 55.0	44.5 N	149.7 E	KURILE ISLANDS					
			H =050 KM	MAG		4.40-		CGS		
20	05	20 18.0	44.9 N	151.4 E	KURILE ISLANDS					
			H =050 KM	MAG		4.80-		CGS		
20	05	40 50.6	47.2 N	153.7 E	KURILE ISLANDS					
			H =055 KM	MAG		4.50-		CGS		
20	05	52 29.2	44.6 N	149.7 E	KURILE ISLANDS					
			H =040 KM	MAG		4.00-		CGS		
20	06	02 14.7	44.3 N	149.2 E	KURILE ISLANDS					
			H =040 KM	MAG		4.20-		CGS		
20	06	10 25.0	43.9 N	150.7 E	KURILE ISLANDS					
			H =050 KM	MAG		5.20-		CGS		
20	06	38 51.0	44.4 N	150.3 E	KURILE ISLANDS					
			H =050 KM	MAG		4.80-		CGS		
20	06	56 43.5	44.4 N	150.0 E	KURILE ISLANDS					
			H =040 KM	MAG		4.10-		CGS		
20	07	05 56.3	42.0 N	148.5 E	KURILE ISLANDS					
			H =055 KM	MAG		4.20-		CGS		
20	07	20 20.5	44.7 N	149.9 E	KURILE ISLANDS					
			H =040 KM	MAG		4.30-		CGS		
20	08	26 12.3	44.3 N	149.4 E	KURILE ISLANDS					
			H =033 KM	MAG		4.90-		CGS		
20	09	10 43.9	44.4 N	150.0 E	KURILE ISLANDS					
			H =040 KM	MAG		5.50-		CGS		

DAY	STA	PHASE	TIME		INST	PER	AMPL		DIST	MAG
20	11	00 16.*	16.1 S	66.3 E	INDIAN OCEAN					
			H =033 KM							
20	11	08 57.9	44.4 N	149.7 E	KURILE ISLANDS					
			H =040 KM	MAG		4.30-		CGS		
20	11	15 32.3	44.9 N	151.2 E	KURILE ISLANDS					
			H =040 KM	MAG		4.50-		CGS		
20	11	35 46.6	44.2 N	150.6 E	KURILE ISLANDS					
			H =045 KM	MAG		4.40-		CGS		
20	11	52 20.7	44.7 N	150.2 E	KURILE ISLANDS					
			H =045 KM	MAG		5.10-		CGS		
20	12	04 35.2	54.3 N	157.6 E	KAMCHATKA					
			H =045 KM	MAG		4.60-		CGS		
20	12	09 31.1	45.0 N	149.6 E	KURILE ISLANDS					
			H =045 KM	MAG		4.20-		CGS		
20	12	59 58.6	24.1 N	5.1 E	SOUTHERN ALGERIA					
			H =000 KM	MAG		5.60-		CGS		
20	13	21 14.1	45.1 N	150.5 E	KURILE ISLANDS					
			H =045 KM	MAG		5.20-		CGS		
20	13	29 26.6	31.1 N	115.6 W	BAJA CALIFORNIA					
			H =014 KM							
20	14	02 36.8	44.6 N	150.0 E	KURILE ISLANDS					
			H =045 KM	MAG		4.20-		CGS		
20	15	11 23.5	44.1 N	151.1 E	KURILE ISLANDS					
			H =050 KM	MAG		4.70-		CGS		
20	15	29 06.5	43.7 N	150.3 E	KURILE ISLANDS					
			H =050 KM	MAG		4.50-		CGS		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
20			15 44 34.2	45.7 N 149.7 E H =045 KM MAG	KURILE ISLANDS 4.10- CGS				
20			15 53 48.1	47.4 N 149.0 E H =045 KM MAG	KURILE ISLANDS 4.20- CGS				
20			16 00 15.1	44.3 N 149.7 E H =045 KM MAG	KURILE ISLANDS 4.40- CGS				
20			17 41 27.3	44.2 N 149.6 E H =045 KM MAG	KURILE ISLANDS 4.80- CGS				
20			17 58 58.7	44.2 N 149.6 E H =045 KM MAG	KURILE ISLANDS 5.00- CGS				
20			19 47 14.3	44.2 N 149.6 E H =045 KM MAG	KURILE ISLANDS 4.30- CGS				
20			20 16 08.*	24.0 S 177.6 W H =605 KM MAG	FIJI ISLANDS 4.20- CGS				
20			21 08 21.7	45.0 N 149.8 E H =040 KM MAG	KURILE ISLANDS 4.50- CGS				
20			21 49 36.0	21.9 N 94.7 E H =115 KM	BURMA				
20			22 40 09.8	45.7 N 149.1 E H =040 KM MAG	KURILE ISLANDS 4.10- CGS				
20			22 47 53.3	44.2 N 149.7 E H =040 KM MAG	KURILE ISLANDS 4.10- CGS				
20			22 52 08.8	45.9 N 151.7 E H =040 KM MAG	KURILE ISLANDS 4.70- CGS				
21			01 39 57.*	43.9 N 146.3 E H =033 KM MAG	KURILE ISLANDS 4.60- CGS				

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
21			02 16 38.1	44.3 N 149.9 E H =065 KM MAG	KURILE ISLANDS 4.10- CGS				
21			02 22 12.*	44.2 N 151.6 E H =033 KM MAG	KURILE ISLANDS 4.40- CGS				
21			02 31 39.3	22.9 S 172.1 E H =054 KM MAG	LOYALTY ISLANDS 4.60- CGS				
21			02 47 49.*	45.1 N 151.3 E H =033 KM MAG	KURILE ISLANDS 4.20- CGS				
21	LC	eL	03 18 34		LZ	17	30.5 (1)	75.0	
21			03 03 33.6	44.0 N 149.7 E H =045 KM MAG	KURILE ISLANDS 4.10- CGS				
21	NP	eP	03 12 08.7		JZ	.5	1.7 (0)	48.0	4.29
21	MV	eP	03 14 18.3		Z	1.3	9.6 (0)		
21			03 14 54.*	44.0 N 149.9 E H =033 KM MAG	KURILE ISLANDS 4.40- CGS				
21	MV	eL	03 15 21		LZ	18	19.5 (1)		
21	LC	eP	03 18 43.5		Z	0.9	7.6 (0)		
21	LV	eP	06 53 00.7		Z	0.6	18.5 (0)		
21	LC	eP	09 01 02.2		Z	0.4	1.2 (0)		
21	LC	eL	09 02 52		R	0.6	4.4 (0)		
21			09 18 46.7	23.6 S 176.1 W H =033 KM MAG	TONGA ISLANDS 4.90- CGS				
21	MV	eP	09 31 00.2		Z	1.5	14.7 (0)	81.0	4.72
		eL	09 59 50		LZ	17	27.1 (1)		
21	LC	eP	09 31 29.6		Z	1.3	9.5 (0)	87.0	4.80
		eL	10 02 36		LZ	20	42.6 (1)		
		eL	10 05 05		LR	18	36.8 (1)		
		eL	10 05 05		LT	20	36.5 (1)		
		eL	10 05 05		LZ	20	53.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	LV	eL	10 10 23	LZ	19	39.0 (1)	98.0	
							AVG.	4.76
21	09 40 14.6		44.7 N 150.3 E	KURILE ISLANDS				
			H =055 KM MAG	4.70-	CGS			
21	NP	eP	09 48 43.5	JZ	.5	8.5 (0)	47.0	4.96
21	LV	eP	09 53 00.9	Z	1.0	44.2 (0)	85.0	5.48
21	DH	eL	10 16 12	LZ	20	22.8 (1)	84.0	
							AVG.	5.22
21	10 07 52.9		45.0 N 150.3 E	KURILE ISLANDS				
			H =055 KM MAG	4.40-	CGS			
21	NP	eP	10 16 20.2	JZ	.5	3.4 (0)	47.0	4.56
21	MV	eP	10 18 13.4	Z	0.7	1.6 (0)	63.0	4.16
21	RK	eP	10 18 57.9	Z	0.9	9.4 (0)	70.0	4.75
							AVG.	4.49
21	NP	eL	10 15 05	LZ	25	40.0 (1)		
21	10 09 32.*		46.3 N 148.2 E	KURILE ISLANDS				
			H =055 KM MAG	4.80-	CGS			
21	LC	eP	11 18 25.2	Z	0.3	0.8 (0)	4.5	
		eS	11 19 08	R	0.5	16.8 (0)		
21	13 09 05.4		45.2 N 151.6 E	KURILE ISLANDS				
			H =045 KM MAG	4.80-	CGS			
21	NP	eP	13 17 27.5	JZ	1	12.3 (0)	46.0	4.80
		eL	13 35 05	LZ	25	40.0 (1)		
21	HW	eL	13 32 18	LZ	25	50.0 (1)	50.0	
21	13 09 34.6		03.3 S 150.2 E	BISMARCK SEA				
			H =043 KM					
21	LC	eL	13 51 00	LR	20	29.7 (1)	103.0	
21	DH	eL	13 57 10	LZ	20	19.0 (1)	124.0	
21	LV	eL	14 00 57	LZ	20	53.4 (1)	115.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	MV	eP	13 14 21.1	Z	1.0	3.3 (0)		
21	13 27 10.6		26.0 S 179.9 E	FIJI ISLANDS REGION				
			H =397 KM MAG	4.50-	CGS			
21	13 40 39.3		44.6 N 149.8 E	KURILE ISLANDS				
			H =033 KM MAG	3.90-	CGS			
21	14 49 14.9		38.4 N 73.3 E	TADZHIK. S. S. R.				
			H =084 KM MAG	4.80-	CGS			
21	NP	eP	14 59 48.4	JZ	.7	19.5 (0)	65.0	5.34
21	15 35 35.4		44.6 N 150.5 E	KURILE ISLANDS				
			H =050 KM MAG	4.50-	CGS			
21	NP	eP	15 44 04.0	JZ	.8	7.1 (0)	47.0	4.70
21	15 38 24.3		45.5 N 149.7 E	KURILE ISLANDS				
			H =055 KM MAG	5.40-	CGS			
21	NP	eP	15 46 47.5	JZ	1	57.0 (0)	47.0	5.49
		ePCP	15 48 21	JZ	.7	36.9 (0)		
21	MV	eP	15 48 45.5	Z	0.6	20.9 (0)	63.0	5.33
		ePCP	15 49 24	Z	0.8	23.6 (0)		
21	RK	eP	15 49 27.8	Z	0.9	14.0 (1)	70.0	5.92
21	LC	eP	15 50 08.5C	Z	0.7	19.8 (0)	76.0	5.18
21	DH	eP	15 50 50.0	Z	0.7	89.2 (0)	84.0	5.94
		eL	16 23 45	LZ	30	34.3 (1)		
							AVG.	5.57
21	17 20 46.0		44.1 N 150.3 E	KURILE ISLANDS				
			H =065 KM MAG	5.00-	CGS			
21	NP	eP	17 29 18.6	JZ	1	15.4 (0)	48.0	4.89
		eL	17 40 12	LZ	25	40.0 (1)		
21	MV	eP	17 31 08.1	Z	0.8	1.9 (0)	63.0	4.16
		eL	17 51 20	LZ	19	23.3 (1)		
21	RK	eP	17 31 54.0	Z	0.6	6.1 (0)	70.0	4.71
21	LC	eP	17 32 31.4	Z	0.9	2.8 (0)	77.0	4.20
		ePPS	17 43 22	LR	16	23.5 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	18 03 12	LZ	19	32.7 (1)		
21	DH	eP	17 33 11.5	Z	0.5	11.9 (0)	85.0	5.18
		eL	18 06 00	LZ	28	39.6 (1)		
21	HW	eL	17 45 35	LZ	20	93.0 (1)	51.0	
21	LV	eL	18 10 49	LZ	23	56.9 (1)	85.0	
							AVG.	4.62
21	DH	eP	17 45 52.2	Z	0.3	7.5 (0)	1.8	
		eS	17 46 16	R	0.3	43.0 (0)		
		eP	19 38 01.1	Z	0.3	11.3 (0)		
		eS	19 38 25	R	0.3	28.6 (0)		
21	20 39 39.3		44.2 N 151.0 E KURILE ISLANDS					
			H =050 KM MAG 4.60- CGS					
21	NP	eP	20 48 12.0	JZ	.6	5.6 (0)	47.0	4.72
21	MV	eP	20 50 02.8	Z	1.0	5.0 (0)	63.0	4.49
21	LC	eP	20 51 24.1	Z	0.7	2.4 (0)	76.0	4.29
							AVG.	4.50
21	LC	eP	20 43 08.1	Z	0.2	23.7 (0)	1.3	
		eS	20 43 26	R	0.3	5.8 (0)		
21	21 15 48.8		43.3 N 152.5 E KURILE ISLANDS					
			H =020 KM MAG 4.40- CGS					
21	MV	eP	22 48 10.8	Z	0.6	6.9 (0)	2.5	
		eS	22 48 42	R	0.6	4.2 (0)		
21	23 18 41.3		44.0 N 150.3 E KURILE ISLANDS					
			H =050 KM MAG 4.90- CGS					
21	NP	eP	23 27 05.5	JZ	1.1	16.3 (0)	48.0	4.92
		eL	23 42 35	LZ	30	47.0 (1)		
21	MV	eP	23 29 04.7	Z	0.7	8.2 (0)	63.0	4.87
21	LC	eP	23 30 28.7	Z	0.7	4.9 (0)	77.0	4.60
							AVG.	4.79
21	23 29 20.7		44.0 N 150.1 E KURILE ISLANDS					
			H =055 KM MAG 5.20- CGS					
21	NP	eP	23 37 54.4	JZ	.8	7.1 (0)	48.0	4.68

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	23 41 48	JZ	1.3	22.4 (0)		
21	MV	eP	23 39 45.2	Z	0.7	12.4 (0)	63.0	5.03
21	RK	eP	23 40 30.3	Z	0.6	14.4 (0)	71.0	5.11
21	LC	eP	23 41 08.0	Z	0.8	14.0 (0)	77.0	4.97
21	DH	eP	23 41 52.5	Z	0.5	11.9 (0)	85.0	5.21
							AVG.	5.00
21	23 33 16.1		44.2 N 149.0 E KURILE ISLANDS					
			H =055 KM MAG 4.70- CGS					
21	MV	eP	23 43 57.0	Z	1.0	11.6 (0)	64.0	4.90
21	RK	eP	23 44 27.0	Z	0.6	17.5 (0)	71.0	5.20
21	LC	eP	23 45 06.0	Z	0.9	3.8 (0)	77.0	4.36
							AVG.	4.82
21	23 59 25.*		44.9 N 150.8 E KURILE ISLANDS					
			H =033 KM MAG 4.20- CGS					
22	01 01 14.8		13.7 N 121.6 E LUZON, PHILIPPINE ISLANDS					
			H =015 KM MAG 5.00- CGS					
22	NP	eP	01 13 44.0	JZ	1.1	33.1 (0)	83.0	5.43
22	MV	eP	01 32 13.7	Z	0.3	4.6 (0)	0.3	
		eS	01 32 19	R	0.3	11.0 (0)		
22	02 29 06.9		44.3 N 151.2 E KURILE ISLANDS					
			H =045 KM MAG 4.70- CGS					
22	NP	eP	02 37 38.5	JZ	.6	1.8 (0)	47.0	4.24
22	RK	eP	02 40 13.3	Z	0.7	8.5 (0)	70.0	4.85
22	LC	eP	02 40 51.5	Z	0.7	1.2 (0)	76.0	4.00
							AVG.	4.36
22	03 17 15.2		45.0 N 150.2 E KURILE ISLANDS					
			H =045 KM MAG 5.20- CGS					
22	NP	eP	03 25 43.2	JZ	.7	33.4 (0)	47.0	5.44
		eP	03 25 44	LZ	10	21.8 (2)		
		eLR	03 41 35	LZ	30	15.7 (2)		
22	MV	eP	03 27 37.0	Z	0.7	4.8 (0)	63.0	4.65

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	03 28 05	Z	1.0	27.7 (0)		
		eS	03 36 08	LT	21	65.9 (1)		
		eSCS	03 37 33	LT	18	47.7 (1)		
		eSS	03 40 20	LT	18	50.0 (1)		
		eLQ	03 43 38	LT	29	11.3 (2)		
		eLR	03 47 45	LZ	22	71.9 (1)		
22	RK	eP	03 28 21.0	Z	0.8	36.2 (0)	70.0	5.42
		e	03 28 32	Z	0.7	17.0 (0)		
22	LC	eP	03 29 00.3	Z	1.3	11.8 (0)	76.0	4.72
		e	03 29 15	Z	1.5	46.9 (0)		
		eS	03 38 47	LR	18	45.1 (1)		
		eS	03 38 47	LT	27	36.7 (1)		
		eSS	03 43 57	LR	27	34.8 (1)		
		eSSS	03 47 23	LR	21	27.3 (1)		
		eLQ	03 49 20	LT	27	44.2 (1)		
		eLR	03 53 27	LZ	25	38.3 (1)		
22	DH	eP	03 29 43.5	Z	0.8	38.9 (0)	84.0	5.55
		e	03 40 10	LR	23	53.5 (1)		
		eSS	03 45 40	LR	20	24.1 (1)		
		eLQ	03 56 02	LR	19	35.9 (1)		
		eLR	04 00 58	LZ	23	38.2 (1)		
		eL	04 09 38	LR	19	19.4 (2)		
		eL	04 09 38	LT	19	81.5 (1)		
		eL	04 09 38	LZ	19	13.1 (2)		
22	LV	eP	03 29 47.2	Z	0.7	10.6 (0)	85.0	5.04
22	HW	eSP	03 33 52	LZ	20	11.6 (2)	51.0	
		eLR	03 40 16	LZ	23	13.0 (2)		
		eL	03 46 50	LT	17	38.7 (2)		
		eL	03 46 50	LR	16	15.3 (2)		
		eL	03 46 50	LZ	17	30.2 (3)		
						AVG.		5.13

22 03 25 38.8 43.9 N 150.3 E KURILE ISLANDS
H =050 KM MAG 4.90- CGS

22	NP	eP	03 34 15.8	JZ	1.3	33.5 (0)	48.0	5.16
22	MV	eP	03 36 04.5	Z	1.0	9.8 (0)	63.0	4.79
		e	03 36 42	Z	1.0	4.9 (0)		
22	RK	eP	03 36 49.0	Z	0.7	6.0 (0)	71.0	4.69
22	LC	eP	03 37 27.0	Z	1.3	11.8 (0)	77.0	4.70
22	LV	eP	03 38 14.0	Z	0.8	12.6 (0)	85.0	5.05
		eLR	04 06 37	LZ	22	11.2 (2)		
							AVG.	4.87

22 04 18 14.5 16.0 S 70.5 W SOUTHERN PERU
H =240 KM MAG 3.90- CGS

22 04 29 11.7 51.0 N 179.4 E RAT ALEUTIAN ISLANDS
H =055 KM MAG 4.70- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	NP	eP	04 35 54.8	JZ	.6	12.7 (0)	34.0	4.97
22	MV	eP	04 37 02.5	Z	0.9	3.7 (0)	42.0	4.17
		e	04 37 14	Z	0.7	7.3 (0)		
		eLR	04 48 55	LZ	18	84.8 (1)		
22	RK	eP	04 38 12.1	Z	0.6	15.3 (0)	52.0	5.16
		e	04 38 23	Z	0.6	17.4 (0)		
22	LC	eP	04 38 46.2	Z	1.1	6.0 (0)	56.0	4.54
		e	04 38 57	Z	1.3	44.8 (0)		
22	LV	eP	04 39 48.4	Z	0.7	10.6 (0)	65.0	5.01
22	DH	eP	04 40 00.0	Z	0.7	5.4 (0)	67.0	4.72
							AVG.	4.76

22 04 49 17.0 44.5 N 149.1 E KURILE ISLANDS
H =033 KM MAG 4.50- CGS

22	NP	eP	04 57 51.0	JZ	1	10.3 (0)	48.0	4.81
22	RK	eP	05 00 29.2	Z	0.7	8.5 (0)	71.0	4.88
22	LC	eP	05 01 09.0	Z	0.7	0.6 (0)	77.0	3.74
							AVG.	4.47

22 06 37 44.* 44.8 N 152.1 E KURILE ISLANDS
H =050 KM MAG 4.20- CGS

22 07 02 54.0 03.0 S 130.0 E CERAM
H =054 KM MAG 4.50- CGS

22 10 18 14.5 44.2 N 150.3 E KURILE ISLANDS
H =050 KM MAG 4.90- CGS

22	NP	eP	10 26 50.0	JZ	1.1	17.4 (0)	48.0	4.95
22	MV	eP	10 28 37.0	Z	0.7	2.4 (0)	63.0	4.34
		e	10 29 17	Z	1.0	6.5 (0)		
22	RK	eP	10 29 23.5	Z	0.6	4.1 (0)	70.0	4.58
							AVG.	4.62

22 10 26 28.5 43.6 N 148.1 E KURILE ISLANDS
H =050 KM MAG 4.30- CGS

22	NP	eP	10 26 50.0	JZ	1.2	22.0 (0)	0.5	
		eS	10 26 57	R	1.0	7.6 (0)		

22 10 45 32.* 44.1 N 150.5 E KURILE ISLANDS
H =033 KM MAG 4.40- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	12 05 30.8		45.3 N 151.7 E KURILE ISLANDS					
			H =033 KM MAG 4.20- CGS					
22	12 19 17.5		45.1 N 151.8 E KURILE ISLANDS					
			H =020 KM MAG 4.30- CGS					
22	DH	eP	12 33 59.3	Z	0.3	23.4 (0)	1.7	
		eS	12 34 22	R	0.4	64.6 (0)		
22	12 49 32.6		45.6 N 151.7 E KURILE ISLANDS					
			H =050 KM MAG 4.10- CGS					
22	DH	eP	13 15 34.5	Z	0.2	26.1 (0)	1.8	
		eS	13 15 59	R	0.2	80.4 (0)		
22	13 27 05.2		44.5 N 149.8 E KURILE ISLANDS					
			H =033 KM MAG 4.30- CGS					
22	DH	eP	13 37 10.7	Z	0.2	5.2 (0)	2.0	
		eS	13 37 37	R	0.3	40.2 (0)		
22	14 07 32.*		16.2 S 173.9 W TONGA ISLANDS					
			H =033 KM MAG 4.10- CGS					
22	LC	eP	14 20 05.6	Z	0.9	1.8 (0)		
22	DH	eP	14 26 57.2	Z	0.3	3.9 (0)	0.8	
		eS	14 27 07	R	0.4	58.2 (0)		
22	15 35 26.1		11.6 S 166.3 E SANTA CRUZ ISLANDS					
			H =080 KM MAG 4.50- CGS					
22	MV	eP	15 47 50.0	Z	0.5	0.6 (0)	80.0	3.71
		e	15 48 05	Z	1.3	37.7 (0)		
		eLR	16 13 48	LZ	28	13.9 (2)		
		eL	16 15 00	LT	25	80.0 (1)		
		eL	16 15 00	LR	25	60.6 (1)		
		eL	16 15 00	LZ	22	11.2 (2)		
22	LC	eP	15 48 42.1	Z	1.0	3.6 (0)	94.0	4.74
		eP	15 48 43	LZ	18	14.9 (1)		
		eSKS	15 59 20	LR	18	16.5 (1)		
		ePS	16 01 12	LR	23	20.4 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	16 06 32	LR	29	19.3 (1)		
		eSSS	16 09 55	LT	25	13.4 (1)		
		eLQ	16 14 00	LT	33	38.8 (1)		
		eLR	16 18 20	LZ	29	14.0 (2)		
		eL	16 22 16	LR	22	10.1 (2)		
		eL	16 22 16	LT	21	63.5 (1)		
		eL	16 22 16	LZ	22	12.3 (2)		
22	HW	eLR	15 57 50	LZ	25	20.2 (2)	49.0	
		eL	15 58 45	LR	23	27.0 (2)		
		eL	15 58 45	LT	22	91.3 (1)		
		eL	15 58 45	LZ	23	19.7 (2)		
22	NP	eL	16 21 45	LZ	32	10.8 (2)	98.0	
22	LV	eLR	16 25 00	LZ	27	82.4 (1)	106.0	
22	DH	eLQ	16 29 15	LT	29	42.6 (1)	119.0	
		eLR	16 32 55	LZ	27	55.2 (1)		
						AVG.		4.22
22	16 00 43.8		43.5 N 150.4 E KURILE ISLANDS					
			H =105 KM MAG 4.00- CGS					
22	DH	eP	16 20 00.5	Z	0.2	5.2 (0)		
22	DH	eL	16 21 36	R	0.2	22.3 (0)		
22	17 02 43.*		33.4 N 25.8 E MEDITERRANEAN SEA					
			H =033 KM MAG 4.60- CGS					
22	LC	eP	18 03 28.2	Z	0.2	8.1 (0)	1.5	
		eS	18 03 48	R	0.3	7.1 (0)		
22	19 14 14.*		45.3 N 149.4 E KURILE ISLANDS					
			H =033 KM MAG 4.50- CGS					
22	19 26 14.*		44.3 N 152.3 E KURILE ISLANDS					
			H =033 KM MAG 4.60- CGS					
22	MV	eP	20 20 43.0	Z	0.3	4.6 (0)	1.6	
		eS	20 21 05	T	0.3	20.4 (0)		
22	LC	eP	21 56 16.0	Z	0.3	1.3 (0)	2.0	
		eS	21 56 43	R	0.4	2.8 (0)		
22	LC	eP	22 18 27.9	Z	0.4	0.8 (0)	2.9	
		eS	22 19 05	R	0.5	1.7 (0)		
22	23 03 39.5		44.0 N 152.4 E KURILE ISLANDS					
			H =020 KM MAG 4.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	DH	eP	23 46 27.4	Z	0.3	7.8 (0)	0.5	
		eS	23 46 35	R	0.3	40.2 (0)		
23	00 06 09.0		45.7 N 151.6 E	KURILE ISLANDS				
			H =020 KM MAG	5.20-	CGS			
23	MV	eP	00 16 26.5	Z	0.9	8.8 (0)	62.0	4.95
23	RK	eP	00 17 11.3	Z	0.9	23.8 (0)	69.0	5.34
23	LC	eP	00 17 51.0	Z	0.9	4.7 (0)	75.0	4.48
							AVG.	4.92
23	01 01 31.*		44.2 N 152.0 E	KURILE ISLANDS				
			H =033 KM MAG	4.60-	CGS			
23	02 38 18.6		45.6 N 150.1 E	KURILE ISLANDS				
			H =025 KM MAG	4.70-	CGS			
23	RK	eP	02 49 24.6	Z	0.9	16.4 (0)	69.0	5.16
23	03 46 32.*		23.5 S 111.9 W	EASTER ISLAND REGION				
			H =033 KM MAG	4.90-	CGS			
23	MV	eP	04 23 20.0	Z	0.8	1.9 (0)		
23	04 24 06.2		31.4 S 68.7 W	SAN JUAN PROV., ARGENTINA				
			H =110 KM MAG	4.70-	CGS			
23	LC	eP	04 35 25.2	Z	1.1	27.3 (0)	73.0	4.98
23	RK	eP	04 36 28.8	Z	0.6	23.9 (0)	85.0	5.28
		e	04 36 57	Z	0.8	15.4 (0)		
23	MV	eL	05 07 20	LZ	41	17.7 (2)	86.0	
							AVG.	5.13
23	HW	eP	05 08 23.9	Z	0.2	16.0 (1)	0.6	
		eS	05 08 33	R	0.3	19.8 (1)		
23	05 32 33.9		45.0 N 151.2 E	KURILE ISLANDS				
			H =045 KM MAG	4.30-	CGS			
23	05 35 38.*		44.3 N 149.9 E	KURILE ISLANDS				
			H =045 KM MAG	4.30-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	06 33 25.*		24.0 S 176.0 W	TONGA ISLANDS REGION				
			H =119 KM MAG	4.40-	CGS			
23	LC	eP	06 45 58.4	Z	1.1	3.0 (0)	87.0	4.20
23	07 56 12.3		12.0 S 166.5 E	SANTA CRUZ ISLANDS				
			H =107 KM MAG	5.00-	CGS			
23	MV	eP	08 08 32.2	Z	0.8	1.9 (0)	84.0	4.07
		epP	08 08 59	Z	1.3	22.2 (0)		
		eL	08 34 35	LZ	30	11.0 (2)		
23	HW	eL	08 18 30	LZ	28	12.2 (2)	49.0	
23	LC	eL	08 38 58	LZ	35	11.2 (2)	94.0	
23	LV	eL	08 45 11	LZ	40	98.7 (1)	106.0	
23	MV	eP	07 58 46.1	Z	0.6	1.3 (0)		
23	08 15 15.4		44.3 N 149.4 E	KURILE ISLANDS				
			H =050 KM MAG	4.50-	CGS			
23	RK	eP	08 26 26.1	Z	0.6	10.9 (0)	71.0	5.01
23	LV	eL	09 23 41	LZ	16	41.7 (1)		
23	09 47 08.1		41.2 N 144.2 E	EAST OF HONSHU, JAPAN				
			H =050 KM MAG	5.40-	CGS			
23	NP	eP	09 56 13.2	JZ	.7	12.7 (1)	52.0	6.01
		eL	10 14 10	LZ	25	52.3 (1)		
23	MV	eP	09 58 06.1	Z	1.1	24.4 (0)	68.0	5.14
23	RK	eP	09 58 46.4	Z	0.9	62.2 (0)	75.0	5.54
		eP AS	09 58 58.8	Z	0.8	42.2 (0)		5.42
23	LC	eP	09 59 24.4	Z	1.0	14.7 (0)	82.0	4.91
23	LV	eP	10 00 07.6	Z	1.0	60.7 (0)	91.0	5.83
		eP AS	10 00 20.7	Z	0.8	23.9 (0)		5.52
		eL	10 41 40	LZ	18	70.1 (1)		
23	DH	eP	10 00 14.8	Z	1.0	70.0 (0)	91.0	5.90
23	HW	eL	10 13 16	LZ	23	36.8 (1)	55.0	
							AS .	5.47
							AVG.	5.55
23	10 16 38.9		06.9 S 148.4 E	NEAR N E COAST NEW GUINEA				
			H =029 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	HW	eL	10 48 23	LZ	22	55.8 (1)	61.0	
23	LC	eL	11 09 40	LZ	24	17.0 (1)	106.0	
23	10 50 22.2		45.8 N 152.7 E	KURILE ISLANDS				
			H =050 KM MAG	4.20-	CGS			
23	LV	eL	11 23 56	LZ	22	20.9 (1)	83.0	
23	11 18 18.0		44.4 N 149.5 E	KURILE ISLANDS				
			H =045 KM MAG	4.60-	CGS			
23	NP	eP	11 26 51.0	JZ	.8	7.6 (0)	48.0	4.74
23	RK	eP	11 29 28.6	Z	0.6	3.9 (0)	70.0	4.58
23	HW	eL	11 45 53	LZ	18	49.7 (1)	51.0	
23	LV	eL	12 12 30	LZ	20	49.2 (1)	86.0	
							AVG.	4.66
23	12 10 33.2		46.6 N 151.9 E	KURILE ISLANDS				
			H =035 KM MAG	4.10-	CGS			
23	NP	eP	13 34 05.2	JZ	.3	13.7 (0)		
23	NP	eS	13 34 22	R	0.3	15.9 (0)		
23	14 45 32.5		12.2 N 125.7 E	OFF E. COAST SAMAR, P.I.				
			H =099 KM MAG	5.50-	CGS			
23	DH	eP	14 59 39.0	Z	0.2	33.3 (0)		1.8
		eS	15 00 02	R	0.2	63.7 (0)		
23	MV	eP	15 45 34.2	Z	0.4	9.1 (0)		1.1
		eS	15 45 49	R	0.4	12.9 (0)		
23	18 34 38.0		45.4 N 152.3 E	KURILE ISLANDS				
			H =050 KM MAG	4.20-	CGS			
23	DH	eP	19 03 31.5	Z	0.4	8.0 (0)		1.6
		eS	19 03 52	R	0.4	26.3 (0)		
23	LC	eP	19 33 19.0	Z	0.2	1.7 (0)		3.3
		eS	19 34 01	T	0.3	6.1 (0)		
23	20 04 07.*		16.6 N 62.2 W	LEEWARD ISLANDS				
			H =033 KM MAG	4.30-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	LC	eP	20 12 05.2	Z	0.8	6.5 (0)	43.0	4.41
23	20 14 29.*		25.9 S 178.8 W	KERMADEC ISLANDS REGION				
			H =343 KM MAG	4.40-	CGS			
23	20 24 05.5		19.4 N 155.5 W	HAWAII ISLAND, HAWAII				
			H =005 KM MAG	5.00-	CGS			
23	HW	eP	20 24 18.3	Z	999.9	99.9 (9)	0.6	
		eP	20 24 19	LZ	999.9	99.9 (9)		
23	MV	eP	20 31 05.0	Z	1.1	18.3 (0)	35.0	4.92
		eL	20 40 29	LZ	27	64.0 (1)		
23	LC	eP	20 32 28.6	Z	0.9	18.9 (0)	45.0	5.01
23	RK	eP	20 33 55.6	Z	0.8	7.0 (0)	57.0	4.74
23	NP	eP	20 34 14.5	JZ	1.3	21.2 (0)	60.0	5.01
23	LV	eL	20 52 25	LZ	23	20.7 (1)	58.0	
							AVG.	4.92
23	21 18 14.*		44.3 N 150.7 E	KURILE ISLANDS				
			H =040 KM MAG	4.30-	CGS			
23	RK	eP	21 21 53.8	Z	0.2	2.2 (0)	4.1	
		eS	21 22 44	R	0.4	20.0 (0)		
23	HW	eP	21 24 59.4	Z	999.9	99.9 (9)		
23	22 11 13.1		44.0 N 151.3 E	KURILE ISLANDS				
			H =020 KM MAG	4.70-	CGS			
23	NP	eP	22 19 54.0	JZ	.6	20.1 (0)	48.0	5.36
24	01 06 25.9		44.5 N 150.3 E	KURILE ISLANDS				
			H =045 KM MAG	5.00-	CGS			
24	MV	eP	01 16 51.7	Z	1.1	8.1 (0)	63.0	4.67
		e	01 17 06	Z	1.3	38.0 (0)		
		eS	01 25 24	LT	17	11.4 (2)		
		eSS	01 29 27	LT	19	65.3 (1)		
		eLQ	01 32 49	LT	21	86.2 (1)		
		eLR	01 36 55	LZ	24	77.6 (1)		
		eL	01 48 15	LR	18	76.7 (1)		
		eL	01 48 15	LT	15	59.1 (1)		
		eL	01 48 15	LZ	17	18.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	RK	eP	01 17 33.6	Z	1.2	33.9 (0)	70.0	5.21
		e	01 17 47	Z	1.5	13.6 (1)		
24	LC	eP	01 18 12.8	Z	1.0	3.7 (0)	76.0	4.34
		eP	01 18 15	LZ	12	31.2 (1)		
		e	01 18 30	Z	1.5	36.9 (0)		
		eS	01 27 56	LR	19	22.7 (2)		
		eLQ	01 37 00	LR	23	24.9 (2)		
		eLR	01 47 15	LZ	17	62.9 (1)		
24	DH	eP	01 18 56.2	Z	0.9	17.9 (0)	85.0	5.16
		eLQ	01 45 18	LR	21	74.6 (1)		
		eLR	01 56 05	LZ	21	19.6 (2)		
24	LV	eP	01 19 12.5	Z	1.0	50.0 (0)	85.0	5.56
		eP	01 19 15	LZ	12	85.6 (1)		5.71
		eS	01 29 20	LR	18	40.2 (1)		
		eL	01 54 06	LZ	19	91.3 (1)		
24	HW	eS	01 23 02	LR	15	25.3 (2)	51.0	
		eLQ	01 27 33	LR	26	26.0 (2)		
		eLR	01 29 29	LZ	20	13.0 (2)		
		eL	01 34 09	LT	19	48.3 (2)		
		eL	01 34 09	LR	19	22.8 (2)		
		eL	01 34 09	LZ	19	38.7 (2)		
							AVG.	5.10
24	HW	eP	04 25 40.3	Z	999.9	99.9 (9)	0.6	
		eS	04 25 49	R	999.9	99.9 (9)		
24	06 44 18.5		04.3 N 78.4 W NEAR WEST COAST COLOMBIA H =038 KM MAG 5.00- CGS					
24	DH	eP	06 51 35.2	Z	1.1	43.2 (0)	38.0	5.17
		ePCS	06 57 35	LT	19	50.3 (1)		
		e	07 02 05	LR	23	97.5 (1)		
		e	07 03 51	LR	22	98.5 (1)		
		eL	07 05 17	LZ	16	44.2 (1)		
24	LC	eP	06 51 39.1	Z	1.1	31.0 (0)	38.0	5.02
		eP	06 51 45	LZ	10	70.9 (1)		
		ePP	06 53 15	LZ	19	18.2 (2)		
		e	06 57 32	LR	18	51.0 (2)		
		eL	07 03 10	LZ	36	97.7 (1)		
24	RK	eP	06 52 54.6	Z	0.8	11.6 (0)	48.0	4.94
24	MV	eP	06 53 26.5	Z	1.0	4.9 (0)	52.0	4.43
		eL	07 10 40	LZ	36	83.0 (1)		
24	LV	eL	06 55 46	LZ	20	36.8 (1)	30.0	
24	HW	eL	07 20 02	LZ	17	74.4 (1)	77.0	
							AVG.	4.89
24	HW	eP	06 53 09.7	Z	0.2	40.0 (0)	0.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	06 53 18	R	0.2	43.2 (1)		
24	06 57 24.3		19.2 N 121.3 E BABUYAN ISLANDS, P. I. H =072 KM MAG 4.80- CGS					
24	MV	eP	07 10 52.8	Z	0.9	3.8 (0)	98.0	4.98
24	HW	eL	07 35 54	LZ	21	68.2 (1)	77.0	
24	07 24 03.1		04.4 N 78.5 W OFF WEST COAST OF COLOMBIA H =033 KM MAG 4.40- CGS					
24	LC	eP	07 31 23.1	Z	0.9	1.9 (0)	38.0	3.89
24	RK	eP	07 32 49.0	Z	0.7	3.6 (0)	48.0	4.51
							AVG.	4.20
24	07 26 23.9		04.9 S 102.9 E OFF SOUTH COAST OF SUMATRA H =050 KM MAG 6.10- CGS					
24	MV	eP'	07 45 26.0	Z	1.2	10.4 (1)	127.0	
		e	07 45 38	Z	1.0	39.6 (0)		
		ePP	07 47 35	Z	1.4	23.5 (0)		
		eSKP	07 48 43	Z	1.3	19.0 (0)		
		e	08 10 00	LR	23	85.2 (1)		
		eLR	08 26 15	LZ	27	10.7 (2)		
		eL	08 30 21	LR	26	20.0 (2)		
		eL	08 30 21	LT	25	10.7 (2)		
		eL	08 30 21	LZ	25	30.6 (2)		
24	RK	eP'	07 45 32.7	Z	0.6	6.1 (0)	132.0	
		ePP	07 47 50	Z	1.2	37.7 (0)		
		ePKS1	07 48 58	T	1.2	11.4 (1)		
		ePKS2	07 49 11	T	1.2	11.4 (1)		
24	LC	eP'	07 45 45.9	Z	1.3	14.4 (0)	141.0	
		eP'	07 45 50	LZ	23	69.7 (1)		
		ePP	07 48 48	Z	1.0	10.0 (0)		
		e	07 50 56	T	1.3	16.6 (0)		
		ePPS	08 01 20	LR	19	27.5 (2)		
		eSKKS	08 02 29	LR	24	28.6 (2)		
		e	08 16 41	LR	27	56.0 (2)		
		eLQ	08 19 50	LR	21	19.5 (2)		
		eLR	08 33 00	LZ	33	10.6 (2)		
24	DH	eP'1	07 45 51.0	Z	1.2	53.9 (0)	143.0	
		eP'1	07 45 51	LZ	20	11.5 (2)		
		ePP	07 49 03	LZ	20	71.5 (1)		
		eL	08 00 00	LR	29	39.1 (1)		
24	LV	eP'1	07 46 06.0	Z	1.0	33.3 (0)	150.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP1	07 46 07	LZ	20	16.1 (2)		
		e	07 46 11	Z	1.2	35.8 (1)		
		ePP2	07 46 17	Z	1.3	86.5 (1)		
		eSKP	07 49 43	LZ	22	90.3 (1)		
		e	07 53 09	LZ	24	62.2 (1)		
		eSKSP	08 00 00	LZ	25	57.5 (1)		
24	HW	eL	08 13 43	LZ	30	69.2 (1)	102.0	
24	08 03 56.*		45.1 N 150.0 E KURILE ISLANDS H =055 KM MAG 4.20- CGS					
24	DH	eLQ	08 35 05	LR	39	23.4 (2)	84.0	
		eLR	08 45 58	LZ	29	19.9 (2)		
		eL	08 51 49	LT	27	22.0 (2)		
		eL	08 51 49	LR	23	22.9 (2)		
		eL	08 51 49	LZ	25	33.5 (2)		
24	LV	eL	08 40 39	LZ	38	13.4 (2)	85.0	
		eLR	08 48 59	LZ	24	17.7 (2)		
24	HW	eL	09 37 54	LZ	20	38.2 (1)		
24	09 52 37.4		44.4 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.80- CGS					
24	11 03 52.*		45.7 N 151.1 E KURILE ISLANDS H =045 KM MAG 4.00- CGS					
24	13 01 36.*		58.1 N 144.7 W GULF OF ALASKA H =033 KM MAG 3.90- CGS					
24	13 45 09.9		44.0 N 150.8 E KURILE ISLANDS H =045 KM MAG 5.00- CGS					
24	LC	eP	13 56 57.1	Z	0.9	3.8 (0)	76.0	4.39
24	RK	eP	14 10 56.1	Z	1.0	22.0 (0)		
24	15 24 06.0		44.8 N 149.9 E KURILE ISLANDS H =045 KM MAG 4.50- CGS					
24	DH	eL	16 12 09	LR	24	17.3 (1)	85.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	DH	eP	16 42 15.5	Z	0.4	8.0 (0)	1.5	
		eS	16 42 35	R	0.5	13.8 (0)		
24	19 03 31.*		38.4 N 70.3 E TADZHIK S.S.R. H =183 KM					
24	HW	eL	19 51 15	LZ	26	81.6 (1)	108.0	
24	19 19 10.2		28.3 N 128.5 E RYUKYU ISLANDS H =033 KM MAG 5.10- CGS					
24	MV	eP	19 31 51.4	Z	0.8	9.7 (0)	87.0	5.02
24	DH	eL	20 19 41	LT	22	13.5 (1)	107.0	
24	LC	eP	19 45 05.3	Z	0.2	1.1 (0)	2.9	
		eS	19 45 42	R	0.3	4.1 (0)		
24	20 18 12.7		44.4 N 149.7 E KURILE ISLANDS H =040 KM MAG 5.00- CGS					
24	MV	eP	20 28 39.0	Z	0.7	4.1 (0)	63.0	4.58
		eL	20 56 20	LZ	16	34.2 (1)		
24	RK	eP	20 29 22.4	Z	0.7	19.5 (0)	70.0	5.22
		e	20 29 39	Z	0.9	56.5 (0)		
24	LC	eP	20 30 02.1	Z	0.7	3.7 (0)	77.0	4.50
		e	20 30 20	Z	0.8	11.1 (0)		
24	DH	eP	20 30 45.3	Z	0.7	11.6 (0)	85.0	5.10
		eL	21 05 56	LR	16	39.9 (1)		
24	HW	eL	20 44 00	LZ	16	74.5 (1)	51.0	
							AVG.	4.85
24	21 53 25.0		45.3 N 151.5 E KURILE ISLANDS H =040 KM MAG 4.20- CGS					
25	HW	eP	00 45 42.5	Z	0.2	19.5 (0)	2.8	
		eS	00 45 46	R	0.2	17.3 (1)		
25	01 08 35.5		44.7 N 149.5 E KURILE ISLANDS H =050 KM MAG 4.00- CGS					
25	01 30 57.*		62.3 S 156.9 E BALLENY ISLANDS H =033 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	HW	eP	02 08 06.3	Z	0.2	19.5 (0)	0.5	
		eS	02 08 14	R	0.2	12.9 (1)		
25	03 58 59.*		51.6 N 156.4 E KAMCHATKA					
			H =110 KM MAG 4.20- CGS					
25	05 48 51.1		45.0 N 150.7 E KURILE ISLANDS					
			H =050 KM MAG 4.70- CGS					
25	06 02 06.6		52.0 N 174.8 E ALEUTIAN NEAR ISLANDS					
			H =070 KM MAG 4.60- CGS					
25	MV	eP	06 10 18.2	Z	0.8	5.9 (0)	45.0	4.43
		eLR	06 24 12	LZ	25	44.5 (1)		
25	RK	eP	06 11 19.3	Z	0.7	13.4 (0)	53.0	5.05
		eL	06 28 22	LR	24	80.0 (1)		
25	LC	eP	06 11 58.4	Z	0.8	11.2 (0)	58.0	4.94
		eLR	06 32 40	LZ	23	41.9 (1)		
25	DH	eP	06 13 01.5	Z	0.6	7.4 (0)	68.0	4.81
		e	06 35 58	LR	36	29.7 (2)		
		eLR	06 45 40	LZ	18	10.1 (2)		
25	HW	eLR	06 20 30	LZ	20	98.3 (1)	39.0	
							AVG.	4.80
25	06 27 58.*		44.3 N 150.4 E KURILE ISLANDS					
			H =050 KM MAG 3.90- CGS					
25	07 29 02.0		45.7 N 151.3 E KURILE ISLANDS					
			H =033 KM MAG 4.40- CGS					
25	08 08 12.1		43.7 N 150.8 E KURILE ISLANDS					
			H =045 KM MAG 4.40- CGS					
25	10 17 57.1		45.3 N 150.2 E KURILE ISLANDS					
			H =040 KM MAG 5.00- CGS					
25	MV	eP	10 28 19.5	Z	0.8	3.9 (0)	63.0	4.51
25	RK	eP	10 29 02.6	Z	0.7	25.6 (0)	69.0	5.40
25	LC	eP	10 29 42.5	Z	0.8	3.7 (0)	76.0	4.44
25	DH	eP	10 30 25.1	Z	0.7	8.8 (0)	84.0	4.97
25	LV	eP	10 30 28.8	Z	0.8	19.7 (0)	85.0	5.27
							AVG.	4.91

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MV	eP	11 08 17.2	Z	0.3	1.7 (0)	1.5	
		eS	11 08 38	T	0.3	6.8 (0)		
25	11 12 57.3		44.0 N 151.1 E KURILE ISLANDS					
			H =045 KM MAG 4.60- CGS					
25	LC	eP	11 24 42.5	Z	0.7	1.2 (0)	76.0	4.01
25	11 57 55.3		45.1 N 149.3 E KURILE ISLANDS					
			H =070 KM MAG 4.10- CGS					
25	12 33 05.8		44.5 N 150.2 E KURILE ISLANDS					
			H =045 KM MAG 4.20- CGS					
25	HW	eLR	13 10 00	LZ	16	55.7 (1)		
25	15 05 22.3		35.4 N 116.9 W SAN BERNARDINO, CALIFORNIA					
			H =014 KM MAG 4.50- CGS					
25	MV	eP	15 06 51.0	Z	0.3	1.1 (0)	5.2	3.91
		e	15 06 57	Z	0.5	4.4 (0)		
		eL	15 08 04	T	0.5	6.5 (0)		
25	LC	eP	15 08 10.0	Z	0.5	0.9 (0)	9.0	4.37
		eL	15 10 12	R	0.7	2.9 (0)		
							AVG.	4.14
25	15 07 10.*		45.2 N 150.6 E KURILE ISLANDS					
			H =033 KM MAG 4.00- CGS					
25	15 20 40.0		03.7 S 104.0 W WEST OF GALAPAGOS ISLANDS					
			H =033 KM MAG 4.50- CGS					
25	LC	eP	15 27 40.2	Z	1.3	7.2 (0)	36.0	4.38
25	MV	eP	15 29 01.6	Z	0.9	2.5 (0)	46.0	4.19
		eLR	15 43 00	LZ	18	64.4 (1)		
25	RK	eL	15 51 45	LR	17	49.4 (1)	55.0	
							AVG.	4.28
25	15 24 51.3		11.7 S 166.9 E SANTA CRUZ ISLANDS					
			H =149 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	16 25 24.*		02.2 S 138.3 E	WESTERN NEW GUINEA				
			H =033 KM MAG	5.40- CGS				
25	16 41 46.0		44.3 N 149.7 E	KURILE ISLANDS				
			H =020 KM MAG	4.30- CGS				
25	19 01 56.9		45.5 N 150.6 E	KURILE ISLANDS				
			H =033 KM MAG	4.20- CGS				
25	19 58 58.3		12.3 N 144.5 E	MARIANA ISLANDS				
			H =029 KM MAG	5.40- CGS				
25	NP	eP	20 11 02.3	JZ	.6	25.5 (0)	76.0	5.44
25	LC	eP	20 12 39.5	Z	0.7	3.7 (0)	99.0	5.20
		e	20 12 51	Z	1.2	23.3 (0)		
		ePP	20 16 39	Z	1.5	7.4 (0)		
		ePS	20 25 48	LR	18	90.0 (1)		
		eSS	20 31 20	LR	25	91.4 (1)		
		eLR	20 44 23	LZ	29	56.0 (1)		
25	HW	eS	20 16 55	LR	18	23.6 (2)	58.0	
		eLR	20 25 23	LZ	27	29.8 (2)		
25	MV	ePS	20 22 07	LT	16	19.1 (2)	86.0	
		eSS	20 27 40	LT	27	54.1 (1)		
		eLQ	20 34 03	LT	22	69.3 (1)		
		eLR	20 37 38	LZ	30	11.4 (2)		
25	LV	eL	20 50 00	LZ	44	17.7 (2)	110.0	
25	RK	eLR	20 50 13	LZ	28	18.9 (2)	99.0	
		eL	20 52 08	LR	22	12.7 (2)		
		eL	20 52 08	LT	22	10.3 (2)		
		eL	20 52 08	LZ	21	18.3 (2)		
25	DH	eLR	20 58 15	LZ	20	84.5 (1)	115.0	
		eL	21 02 37	LT	23	56.1 (1)		
		eL	21 02 37	LR	23	17.2 (2)		
		eL	21 02 37	LZ	32	25.8 (2)		
						AVG.		5.32
25	LC	eP	20 24 56.9	Z	0.2	12.6 (0)	1.3	
		eS	20 25 14	T	0.2	11.7 (0)		
25	MV	eP	22 47 52.5	Z	0.3	5.9 (0)	1.9	
		eS	22 48 18	R	0.4	7.2 (0)		
25	22 49 42.*		36.9 N 95.2 E	TSINGHAI PROVINCE, CHINA				
			H =033 KM MAG	5.10- CGS				
25	23 21 42.7		13.4 N 144.1 E	MARIANA ISLANDS				
			H =057 KM MAG	4.70- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MV	eP	23 49 36.3	Z	0.3	2.9 (0)	0.6	
		eS	23 49 45	T	0.3	5.1 (0)		
26	NP	eP	00 07 32.0	JZ	1.6	25.0 (0)		
26	RK	eL	01 28 20	LR	40	90.9 (1)		
26	03 55 39.7		44.5 N 150.1 E	KURILE ISLANDS				
			H =055 KM MAG	5.10- CGS				
26	NP	eP	04 04 10.0	JZ	1	35.0 (0)	47.0	5.28
		eL	04 14 47	LZ	25	68.6 (1)		
26	05 01 31.5		43.7 N 150.5 E	KURILE ISLANDS				
			H =040 KM MAG	5.10- CGS				
26	LC	eP	05 13 20.5	Z	0.8	1.6 (0)	77.0	4.09
26	05 59 44.2		44.5 N 149.8 E	KURILE ISLANDS				
			H =060 KM MAG	5.10- CGS				
26	NP	eP	06 08 15.5	JZ	1	17.5 (0)	47.0	4.96
26	RK	eP	06 10 52.0	Z	0.8	34.8 (0)	70.0	5.35
26	LC	eP	06 11 31.0	Z	0.8	4.9 (0)	77.0	4.51
		e	06 11 47	Z	0.7	6.9 (0)		
						AVG.		4.94
26	06 25 19.*		44.6 N 154.2 E	KURILE ISLANDS REGION				
			H =060 KM MAG	4.30- CGS				
26	NP	eP	06 36 23.7	JZ	.5	6.0 (0)	46.0	4.76
26	06 27 53.8		44.8 N 149.6 E	KURILE ISLANDS				
			H =055 KM MAG	4.50- CGS				
26	06 55 51.*		44.7 N 149.6 E	KURILE ISLANDS				
			H =060 KM MAG	4.00- CGS				
26	07 24 28.7		51.2 N 177.5 W	ANDREANOF ALEUTIAN ISLANDS				
			H =033 KM MAG	4.60- CGS				
26	NP	eP	07 31 07.5	JZ	1	6.5 (0)	33.0	4.48

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	07 45 37	LZ	20	35.7 (1)		
26	LC	eP	07 33 07.3	Z	1.0	4.2 (0)		
26	08 34 59.5		20.7 S 169.0 E LOYALTY ISLANDS H =033 KM MAG 4.20- CGS					
26	RK	eL	08 49 40	LR	26	29.8 (1)		
26	10 32 37.*		44.4 N 149.5 E KURILE ISLANDS H =055 KM MAG 4.30- CGS					
26	11 21 47.6		44.7 N 149.7 E KURILE ISLANDS H =055 KM MAG 5.40- CGS					
26	NP	eP	11 30 17.0	JZ	1	28.5 (0)	47.0	5.18
26	RK	eP	11 32 55.5	Z	0.5	24.0 (0)	70.0	5.41
26	LC	eP	11 33 34.2	Z	1.2	15.1 (0)	77.0	4.83
		e	11 33 49	Z	1.0	22.4 (0)		
		eL	11 59 45	LZ	24	31.1 (1)		
							AVG.	5.14
26	11 31 53.0		44.6 N 149.8 E KURILE ISLANDS H =055 KM MAG 5.10- CGS					
26	NP	eP	11 40 23.0	JZ	.9	13.8 (0)	47.0	4.92
		eSCP	11 45 40	LZ	25	85.7 (1)		
26	RK	eP	11 43 01.0	Z	0.7	29.2 (0)	70.0	5.35
26	LC	eP	11 43 40.0	Z	0.7	3.4 (0)	77.0	4.43
							AVG.	4.90
26	NP	eP	12 19 54.7	JZ	.8	4.2 (0)		
26	12 33 50.1		15.8 S 174.0 W TONGA ISLANDS H =115 KM MAG 5.50- CGS					
26	LC	eP	12 45 50.8	Z	999.9	99.9 (9)	80.0	
		e	12 46 24	Z	1.1	17.3 (0)		
26	RK	e	12 42 05	LR	20	44.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MV	eP	23 49 36.3	Z	0.3	2.9 (0)	0.6	
		eS	23 49 45	T	0.3	5.1 (0)		
26	NP	eP	00 07 32.0	JZ	1.6	25.0 (0)		
26	RK	eL	01 28 20	LR	40	90.9 (1)		
26	03 55 39.7		44.5 N 150.1 E KURILE ISLANDS H =055 KM MAG 5.10- CGS					
26	NP	eP	04 04 10.0	JZ	1	35.0 (0)	47.0	5.28
		eL	04 14 47	LZ	25	68.6 (1)		
26	05 01 31.5		43.7 N 150.5 E KURILE ISLANDS H =040 KM MAG 5.10- CGS					
26	LC	eP	05 13 20.5	Z	0.8	1.6 (0)	77.0	4.09
26	05 59 44.2		44.5 N 149.8 E KURILE ISLANDS H =060 KM MAG 5.10- CGS					
26	NP	eP	06 08 15.5	JZ	1	17.5 (0)	47.0	4.96
26	RK	eP	06 10 52.0	Z	0.8	34.8 (0)	70.0	5.35
26	LC	eP	06 11 31.0	Z	0.8	4.9 (0)	77.0	4.51
		e	06 11 47	Z	0.7	6.9 (0)		
							AVG.	4.94
26	06 25 19.*		44.6 N 154.2 E KURILE ISLANDS REGION H =060 KM MAG 4.30- CGS					
26	NP	eP	06 36 23.7	JZ	.5	6.0 (0)	46.0	4.76
26	06 27 53.8		44.8 N 149.6 E KURILE ISLANDS H =055 KM MAG 4.50- CGS					
26	06 55 51.*		44.7 N 149.6 E KURILE ISLANDS H =060 KM MAG 4.00- CGS					
26	07 24 28.7		51.2 N 177.5 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 4.60- CGS					
26	NP	eP	07 31 07.5	JZ	1	6.5 (0)	33.0	4.48

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	07 45 37	LZ	20	35.7 (1)		
26	LC	eP	07 33 07.3	Z	1.0	4.2 (0)		
26	08 34 59.5		20.7 S 169.0 E LOYALTY ISLANDS H =033 KM MAG 4.20- CGS					
26	RK	eL	08 49 40	LR	26	29.8 (1)		
26	10 32 37.*		44.4 N 149.5 E KURILE ISLANDS H =055 KM MAG 4.30- CGS					
26	11 21 47.6		44.7 N 149.7 E KURILE ISLANDS H =055 KM MAG 5.40- CGS					
26	NP	eP	11 30 17.0	JZ	1	28.5 (0)	47.0	5.18
26	RK	eP	11 32 55.5	Z	0.5	24.0 (0)	70.0	5.41
26	LC	eP	11 33 34.2	Z	1.2	15.1 (0)	77.0	4.83
		e	11 33 49	Z	1.0	22.4 (0)		
		eL	11 59 45	LZ	24	31.1 (1)		
							AVG.	5.14
26	11 31 53.0		44.6 N 149.8 E KURILE ISLANDS H =055 KM MAG 5.10- CGS					
26	NP	eP	11 40 23.0	JZ	.9	13.8 (0)	47.0	4.92
		eSCP	11 45 40	LZ	25	85.7 (1)		
26	RK	eP	11 43 01.0	Z	0.7	29.2 (0)	70.0	5.35
26	LC	eP	11 43 40.0	Z	0.7	3.4 (0)	77.0	4.43
							AVG.	4.90
26	NP	eP	12 19 54.7	JZ	.8	4.2 (0)		
26	12 33 50.1		15.8 S 174.0 W TONGA ISLANDS H =115 KM MAG 5.50- CGS					
26	LC	eP	12 45 50.8	Z	999.9	99.9 (9)	80.0	
		e	12 46 24	Z	1.1	17.3 (0)		
26	RK	e	12 42 05	LR	20	44.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MV	eP	23 49 36.3	Z	0.3	2.9 (0)	0.6	
		eS	23 49 45	T	0.3	5.1 (0)		
26	NP	eP	00 07 32.0	JZ	1.6	25.0 (0)		
26	RK	eL	01 28 20	LR	40	90.9 (1)		
26	03 55 39.7		44.5 N 150.1 E KURILE ISLANDS H =055 KM MAG 5.10- CGS					
26	NP	eP	04 04 10.0	JZ	1	35.0 (0)	47.0	5.28
		eL	04 14 47	LZ	25	68.6 (1)		
26	05 01 31.5		43.7 N 150.5 E KURILE ISLANDS H =040 KM MAG 5.10- CGS					
26	LC	eP	05 13 20.5	Z	0.8	1.6 (0)	77.0	4.09
26	05 59 44.2		44.5 N 149.8 E KURILE ISLANDS H =060 KM MAG 5.10- CGS					
26	NP	eP	06 08 15.5	JZ	1	17.5 (0)	47.0	4.96
26	RK	eP	06 10 52.0	Z	0.8	34.8 (0)	70.0	5.35
26	LC	eP	06 11 31.0	Z	0.8	4.9 (0)	77.0	4.51
		e	06 11 47	Z	0.7	6.9 (0)		
							AVG.	4.94
26	06 25 19.*		44.6 N 154.2 E KURILE ISLANDS REGION H =060 KM MAG 4.30- CGS					
26	NP	eP	06 36 23.7	JZ	.5	6.0 (0)	46.0	4.76
26	06 27 53.8		44.8 N 149.6 E KURILE ISLANDS H =055 KM MAG 4.50- CGS					
26	06 55 51.*		44.7 N 149.6 E KURILE ISLANDS H =060 KM MAG 4.00- CGS					
26	07 24 28.7		51.2 N 177.5 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 4.60- CGS					
26	NP	eP	07 31 07.5	JZ	1	6.5 (0)	33.0	4.48

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	07 45 37	LZ	20	35.7 (1)		
26	LC	eP	07 33 07.3	Z	1.0	4.2 (0)		
26	08 34 59.5		20.7 S 169.0 E LOYALTY ISLANDS H =033 KM MAG 4.20- CGS					
26	RK	eL	08 49 40	LR	26	29.8 (1)		
26	10 32 37.*		44.4 N 149.5 E KURILE ISLANDS H =055 KM MAG 4.30- CGS					
26	11 21 47.6		44.7 N 149.7 E KURILE ISLANDS H =055 KM MAG 5.40- CGS					
26	NP	eP	11 30 17.0	JZ	1	28.5 (0)	47.0	5.18
26	RK	eP	11 32 55.5	Z	0.5	24.0 (0)	70.0	5.41
26	LC	eP	11 33 34.2	Z	1.2	15.1 (0)	77.0	4.83
		e	11 33 49	Z	1.0	22.4 (0)		
		eL	11 59 45	LZ	24	31.1 (1)		
							AVG.	5.14
26	11 31 53.0		44.6 N 149.8 E KURILE ISLANDS H =055 KM MAG 5.10- CGS					
26	NP	eP	11 40 23.0	JZ	.9	13.8 (0)	47.0	4.92
		eSCP	11 45 40	LZ	25	85.7 (1)		
26	RK	eP	11 43 01.0	Z	0.7	29.2 (0)	70.0	5.35
26	LC	eP	11 43 40.0	Z	0.7	3.4 (0)	77.0	4.43
							AVG.	4.90
26	NP	eP	12 19 54.7	JZ	.8	4.2 (0)		
26	12 33 50.1		15.8 S 174.0 W TONGA ISLANDS H =115 KM MAG 5.50- CGS					
26	LC	eP	12 45 50.8	Z	999.9	99.9 (9)	80.0	
		e	12 46 24	Z	1.1	17.3 (0)		
26	RK	e	12 42 05	LR	20	44.9 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	RK	e	12 46 40	LR	19	29.6 (1)		
26	RK	e	12 50 10	LR	25	27.2 (1)		
26	RK	eL	12 54 50	LR	35	48.2 (1)		
26	12 56 46.8		02.7 S 77.8 W ECUADOR H =033 KM MAG 4.20- CGS					
26	LC	eP	13 04 56.0	Z	0.8	1.6 (0)	44.0	3.81
26	14 44 49.2		44.6 N 149.7 E KURILE ISLANDS H =060 KM MAG 4.20- CGS					
26	RK	eP	17 04 43.5	Z	0.6	22.5 (0)		
26	NP	eP	17 07 13.5	JZ	.7	16.9 (0)		
26	18 55 39.1		07.0 S 129.7 E BANDA SEA H =125 KM MAG 5.00- CGS					
26	19 05 58.1		44.1 N 148.9 E KURILE ISLANDS H =045 KM MAG 4.50- CGS					
26	20 20 14.6		43.1 N 111.2 W SOUTHEASTERN IDAHO H =035 KM MAG 4.30- CGS					
26	LC	eL	20 26 12	T	0.6	2.3 (0)		
26	LC	eP	21 11 56.5	Z	0.2	6.6 (0)		
26	LC	eS	21 12 14	T	0.3	4.4 (0)		
26	22 41 29.8		05.2 S 152.0 E NEW BRITAIN H =073 KM MAG 5.90- CGS					
26	NP	eP	22 54 43.3	JZ	.1	16.7 (0)	95.0	6.42
		eL	23 26 35	LZ	30	50.4 (1)		
26	LC	eSKS	23 06 00	LR	15	62.1 (1)	102.0	
		eSP	23 08 35	LZ	18	42.8 (1)		
		ePKKP	23 11 25	Z	1.0	4.2 (0)		
		eLQ	23 24 30	LR	30	30.5 (1)		
		eLR	23 28 27	LZ	30	18.7 (2)		
		eL	23 31 25	LR	24	14.7 (2)		
		eL	23 31 25	LT	21	51.5 (1)		
		eL	23 31 25	LZ	25	17.3 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	MV	eL	23 22 50	LZ	30	28.5 (2)	91.0	
		eL	23 25 55	LR	23	29.7 (2)		
		eL	23 25 55	LT	24	28.7 (2)		
		eL	23 25 55	LZ	25	46.9 (2)		
26	23 58 57.8		43.8 N 151.2 E KURILE ISLANDS					
			H =033 KM MAG 5.00- CGS					
27	RK	eP	00 10 07.6	Z	0.7	12.1 (0)	70.0	5.04
27	DH	eP	00 11 30.0	Z	0.8	10.4 (0)	85.0	5.01
							AVG.	5.02
27	MV	eLR	01 09 22	LZ	18	25.5 (1)		
27	01 30 32.*		29.5 S 101.2 W EASTER ISLAND REGION					
			H =033 KM MAG 4.60- CGS					
27	LC	eP	01 40 52.8	Z	0.9	2.9 (0)	62.0	4.44
		eS	01 49 55	LR	17	39.7 (1)		
		eSS	01 53 42	LR	19	17.8 (1)		
		eLQ	01 58 00	LR	18	32.6 (1)		
		eLR	02 04 00	LZ	16	30.7 (1)		
27	MV	eP	01 41 50.0	Z	1.1	4.1 (0)	71.0	4.37
		eLR	02 06 40	LZ	17	54.2 (1)		
27	LV	eLR	02 01 25	LZ	30	18.8 (1)	62.0	
27	DH	eLQ	02 05 00	LR	35	53.3 (1)	75.0	
		eLR	02 10 12	LZ	27	68.7 (1)		
27	HW	eLR	02 05 03	LZ	24	56.2 (1)	72.0	
							AVG.	4.40
27	DH	eP	01 40 35.9	Z	0.7	8.7 (0)		
27	04 22 38.*		44.4 N 150.2 E KURILE ISLANDS					
			H =060 KM MAG 3.90- CGS					
27	05 20 18.4		20.6 S 178.6 W FIJI ISLANDS REGION					
			H =541 KM MAG 4.40- CGS					
27	05 49 09.*		44.2 N 149.3 E KURILE ISLANDS					
			H =020 KM MAG 4.10- CGS					
27	07 45 26.3		14.7 S 71.7 W SOUTHERN PERU					
			H =121 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	08 45 43.8		17.9 S 178.5 W FIJI ISLANDS REGION					
			H =586 KM MAG 5.00- CGS					
27	HW	eP	08 53 00.3	Z	0.8	11.8 (1)	44.0	5.47
27	MV	eP	08 56 43.4	Z	1.0	40.0 (0)	78.0	4.80
							AVG.	5.13
27	10 38 49.*		22.8 S 175.2 W TONGA ISLANDS					
			H =035 KM MAG 4.80- CGS					
27	MV	eP	10 50 55.3	Z	1.0	3.3 (0)	80.0	4.18
		eLR	11 16 30	LZ	22	43.7 (1)		
27	LC	eP	10 51 20.8	Z	1.4	9.0 (0)	85.0	4.70
		eLQ	11 14 39	LR	27	38.4 (1)		
		eLR	11 18 40	LZ	22	73.0 (1)		
		eL	11 21 37	LR	21	84.5 (1)		
		eL	11 21 37	LT	20	11.3 (2)		
		eL	11 21 37	LZ	20	13.4 (2)		
27	HW	eLR	11 01 15	LZ	23	67.1 (1)	47.0	
27	RK	eS	11 04 34	LT	18	18.7 (1)	102.0	
		eSS	11 11 34	LT	20	22.1 (1)		
		eSSS	11 15 36	LT	18	18.7 (1)		
		e	11 16 45	LT	17	17.9 (1)		
		eLQ	11 24 25	LT	22	33.6 (1)		
		eLR	11 30 15	LR	23	44.8 (1)		
		eL	11 31 41	LR	23	56.6 (1)		
		eL	11 31 41	LT	19	15.3 (1)		
27	LV	eLR	11 26 30	LZ	22	20.9 (1)	96.0	
27	DH	eLR	11 35 06	LZ	23	28.0 (1)	112.0	
27	NP	eL	11 39 37	LZ	21	63.5 (1)	104.0	
							AVG.	4.44
27	12 02 57.6		05.6 N 79.4 W OFF WEST COAST OF COLOMBIA					
			H =032 KM MAG 4.00- CGS					
27	RK	eP	12 11 23.3	Z	0.7	15.8 (0)	47.0	5.15
27	13 02 43.8		43.5 N 89.0 E SINKIANG PROVINCE, CHINA					
			H =056 KM MAG 4.50- CGS					
27	NP	eP	13 12 40.2	JZ	.7	9.6 (0)	59.0	4.93
27	NP	eP	13 32 29.0	JZ	.7	7.2 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	14 14 18.1		45.4 N 150.0 E KURILE ISLANDS H =060 KM MAG 4.30- CGS					
27	14 50 19.7		33.1 N 115.6 W IMPERIAL COUNTY, CALIF. H =014 KM MAG 4.30- CGS					
27	LC	eP	14 52 12.5	Z	0.7	0.6 (0)	8.0	3.86
		eL	14 54 07	R	0.7	6.1 (0)		
27	MV	eP	14 52 47.0	Z	0.6	1.3 (0)	8.0	4.28
		eL	14 54 22	T	1.0	9.4 (0)		
		eL	14 54 23	LT	12	24.7 (2)		
27	LV	eL	15 03 32	LZ	10	14.5 (2)	20.0	
27	DH	eL	15 08 00	LT	15	22.6 (1)	33.0	
							AVG.	4.07
27	LC	e	14 54 35	LZ	15	77.7 (1)		
27	MV	e	14 55 40	LT	16	10.5 (2)		
27	LC	e	14 55 52	Z	1.5	12.9 (1)		
27	LC	e	14 56 28	LZ	14	13.8 (2)		
27	MV	e	14 56 50	LT	13	20.1 (2)		
27	14 56 55.0		33.0 N 115.7 W IMPERIAL COUNTY, CALIF. H =014 KM MAG 4.00-4.25 PAS					
27	MV	eP	14 59 13.8	Z	0.4	1.1 (0)	8.0	4.37
		e	15 00 45	LT	12	19.0 (2)		
		eL	15 00 51	T	0.8	9.3 (0)		
		eL	15 02 00	LT	13	66.6 (2)		
		eL	15 02 20	T	1.2	48.6 (0)		
27	LC	e	15 00 10	Z	0.6	5.8 (0)	8.0	
		e	15 00 35	LZ	27	44.2 (1)		
		eL	15 02 32	R	0.7	24.6 (0)		
		eL	15 02 48	LZ	17	21.8 (2)		
		eL	15 03 20	LR	16	22.5 (2)		
		eL	15 03 20	LT	8	43.4 (2)		
		eL	15 03 20	LZ	15	29.7 (2)		
27	LV	eL	15 10 00	LZ	12	22.8 (2)	20.0	
27	DH	eL	15 15 55	LT	16	95.3 (1)	33.0	
27	MV	eL	14 56 56	T	1.1	37.1 (0)		
27	LC	e	14 57 44	LZ	14	11.3 (2)		
27	15 24 10.6		33.0 N 115.6 W IMPERIAL COUNTY, CALIF. H =014 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	LC	eL	15 28 19	R	0.7	0.6 (0)	8.0	
27	15 26 19.*		33.9 S 15.3 W TRISTAN DA CUNHA REGION H =033 KM					
27	LV	eLR	16 14 20	LZ	35	69.1 (1)	97.0	
27	LC	e	16 15 27	LR	21	14.0 (1)	108.0	
		eL	16 26 05	LR	25	17.7 (1)		
27	MV	eLR	16 27 53	LZ	27	21.2 (1)	122.0	
27	15 30 43.4		33.0 N 115.7 W IMPERIAL COUNTY, CALIF. H =014 KM					
27	15 58 50.2		44.2 N 114.8 W CENTRAL IDAHO H =033 KM MAG 3.60- CGS					
27	18 07 44.4		33.0 N 115.6 W IMPERIAL COUNTY, CALIF. H =014 KM MAG 4.50- CGS					
27	LC	eP	18 09 37.4	Z	0.3	0.9 (0)	8.0	4.39
		eL	18 11 52	R	0.7	4.3 (0)		
27	MV	eP	18 10 10.2	Z	0.4	1.1 (0)	8.0	4.37
		eL	18 11 50	Z	1.0	8.3 (0)		
		eL	18 11 50	LT	14	65.6 (1)		
							AVG.	4.38
27	18 12 49.2		33.2 N 115.7 W IMPERIAL COUNTY, CALIF. H =014 KM MAG 4.25- PAS					
27	LC	eP	18 14 43.0	Z	0.2	1.2 (0)	8.0	4.69
		eL	18 16 55	LZ	23	38.8 (1)		
		eL	18 16 57	R	0.5	5.6 (0)		
27	MV	eP	18 15 05.3	Z	0.4	1.1 (0)	8.0	4.37
		eL	18 16 35	T	1.0	12.6 (0)		
		eL	18 16 50	LT	13	28.7 (2)		
27	LV	eL	18 24 15	LZ	17	31.7 (1)	20.0	
							AVG.	4.53
27	18 22 05.3		33.0 N 115.7 W IMPERIAL COUNTY, CALIF. H =014 KM MAG 4.50- CGS					
27	LC	eP	18 23 57.5	Z	0.2	0.6 (0)	8.0	4.39

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	18 26 11	R	0.6	2.5 (0)		
27	MV	eP	18 24 41.1	Z	0.4	1.1 (0)	8.0	4.37
		eL	18 26 05	T	1.0	4.7 (0)		
							AVG.	4.38
27	18 24 42.9		24.3 S 176.1 W TONGA ISLANDS REGION H =033 KM MAG 5.30- CGS					
27	MV	eP	18 36 57.8	Z	1.0	15.0 (0)	81.0	4.91
		e	18 37 08	Z	1.3	25.6 (0)		
		e	18 37 47	Z	1.5	24.5 (0)		
		eSKS	18 47 20	LR	21	33.9 (1)		
		eLR	19 01 47	LZ	25	26.5 (1)		
27	LC	eP	18 37 26.8	Z	0.9	23.3 (0)	87.0	5.34
		eS	18 48 08	LR	16	35.6 (1)		
		ePS	18 49 20	LR	19	28.2 (1)		
		eSS	18 54 00	LR	20	27.0 (1)		
		eLQ	19 00 50	LR	25	35.5 (1)		
		eLR	19 05 00	LZ	24	26.6 (1)		
		eL	19 12 28	LR	18	10.0 (2)		
		eL	19 12 28	LZ	18	99.4 (1)		
		eL	19 12 28	LT	15	13.4 (2)		
27	HW	eLR	18 47 43	LZ	22	53.5 (1)	48.0	
27	LV	eLR	19 11 50	LZ	20	33.2 (1)	98.0	
27	NP	eL	19 20 27	LZ	20	42.7 (1)	106.0	
27	DH	eLR	19 22 40	LR	20	29.3 (1)	114.0	
		eL	19 29 47	LR	18	96.0 (1)		
		eL	19 29 47	LT	18	14.9 (1)		
		eL	19 29 47	LZ	18	19.3 (2)		
							AVG.	5.12
27	18 49 36.3		33.0 N 115.6 W IMPERIAL COUNTY, CALIF. H =014 KM MAG 4.60- CGS					
27	LC	eP	18 51 29.5	Z	0.6	0.5 (0)	8.0	3.86
		eL	18 53 46	T	0.7	5.6 (0)		
27	MV	eP	18 52 00.5	Z	0.6	1.3 (0)	8.0	4.28
		eL	18 53 30	LR	19	26.8 (1)		
		eL	18 53 32	T	1.0	6.3 (0)		
							AVG.	4.07
27	LV	eL	18 50 15	LZ	15	47.2 (1)		
27	19 36 26.6		16.8 S 173.5 W TONGA ISLANDS H =033 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	LC	eP	19 48 38.7	Z	1.1	4.6 (0)	81.0	4.36
		eL	20 13 30	LZ	17	18.4 (1)		
27	19 38 15.2		33.1 N 115.7 W IMPERIAL COUNTY, CALIF. H =014 KM					
27	LC	eP	19 40 10.0	Z	0.6	0.5 (0)	8.0	3.86
		eL	19 42 21	R	0.6	1.5 (0)		
27	19 53 50.*		44.5 N 149.4 E KURILE ISLANDS H =065 KM MAG 4.00- CGS					
27	20 05 38.1		44.5 N 150.1 E KURILE ISLANDS H =050 KM MAG 5.00-5.25 PAL					
27	NP	eP	20 14 08.6	JZ	.6	29.4 (0)	47.0	5.44
27	MV	eP	20 16 02.0	Z	0.7	5.8 (0)	63.0	4.71
		eP AS	20 16 18.0	Z	0.7	9.1 (0)		4.91
27	RK	eP	20 16 46.0	Z	0.6	37.9 (0)	70.0	5.55
		eP AS	20 17 00.0	Z	0.9	45.2 (0)		5.45
27	LC	eP	20 17 24.8	Z	0.6	6.3 (0)	76.0	4.77
		eP AS	20 17 41.0	Z	0.8	7.4 (0)		4.72
27	DH	eP	20 18 07.8	Z	0.7	17.5 (0)	85.0	5.24
27	HW	eLR	20 32 49	LZ	20	25.4 (1)	51.0	
27	LV	eLR	20 44 50	LZ	18	25.9 (1)	85.0	
							AS .	5.03
							AVG.	5.14
27	NP	eL	20 35 10	LZ	21	52.9 (1)		
27	LC	eP	21 46 53.9	Z	0.2	10.8 (0)	1.5	
		eS	21 47 14	T	0.4	13.0 (0)		
27	HW	eP	22 09 17.1	Z	0.2	19.0 (0)	0.6	
		eS	22 09 26	T	0.2	43.4 (1)		
28	00 30 39.3		33.0 N 115.6 W IMPERIAL COUNTY, CALIF. H =014 KM					
28	00 37 21.*		01.9 N 124.8 E NORTHERN CELEBES H =232 KM MAG 5.00- CGS					
28	02 25 08.*		14.8 N 90.8 W GUATEMALA H =033 KM MAG 3.90- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	LC	eP	02 30 09.0	Z	0.6	3.1 (0)	23.0	3.95
28	02 50 30.1		13.6 S 76.9 W CENTRAL PERU					
			H =038 KM MAG 4.10- CGS					
28	DH	eP	03 00 04.0	Z	1.0	35.2 (0)	56.0	5.34
28	RK	eP	03 01 12.4	Z	0.9	15.2 (0)	66.0	5.11
							AVG.	5.22
28	04 58 42.9		45.4 N 151.3 E KURILE ISLANDS					
			H =045 KM MAG 4.40- CGS					
28	MV	eP	06 04 10.9	Z	0.3	10.8 (0)	0.7	
		eS	06 04 21	R	0.3	8.9 (0)		
28	06 15 33.7		46.5 N 154.2 E KURILE ISLANDS					
			H =033 KM MAG 4.10- CGS					
28	07 55 12.3		24.3 S 176.0 W TONGA ISLANDS REGION					
			H =033 KM MAG 5.40- CGS					
28	MV	eP	08 07 27.4	Z	1.4	80.4 (0)	81.0	5.49
28	LC	eP	08 07 56.9	Z	1.0	57.3 (0)	87.0	5.69
		eP	08 08 05	LZ	12	51.3 (1)		
		eS	08 18 50	LT	16	45.3 (2)		
		eS	08 18 50	LR	17	11.4 (2)		
		eLQ	08 31 20	LR	40	19.5 (2)		
		eLR	08 35 15	LZ	23	83.0 (1)		
		eL	08 43 50	LZ	17	35.9 (2)		
		eL	08 43 50	LR	17	32.9 (2)		
		eL	08 43 50	LT	16	44.7 (2)		
28	HW	eS	08 10 55	LT	23	13.9 (2)	48.0	
		eLQ	08 13 45	LT	19	15.8 (2)		
		eLR	08 18 11	LZ	20	87.4 (1)		
28	NP	eP'	08 13 38.2	JZ	1.5	12.1 (0)	106.0	
28	LV	e	08 19 28	LZ	21	18.6 (1)	98.0	
		e	08 20 27	LZ	20	23.5 (1)		
		eL	08 40 20	LZ	40	10.8 (2)		
		eLR	08 42 25	LZ	22	96.9 (1)		
		eSP	08 71 35	LZ	15	13.6 (2)		
28	RK	eS	08 21 08	LT	17	96.8 (1)	104.0	
		eSS	08 28 19	LT	24	10.2 (2)		
		eSSS	08 32 20	LT	19	72.0 (1)		
		e	08 33 15	LT	17	67.8 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	08 38 30	LT	30	66.0 (1)		
		eLR	08 46 56	LZ	24	94.8 (1)		
		eL	09 00 28	LR	16	16.9 (2)		
		eL	09 00 28	LT	19	77.6 (1)		
		eL	09 00 28	LZ	17	19.9 (2)		
28	NP	eL	08 50 45	LZ	22	49.3 (1)	106.0	
28	DH	eL	08 50 47	LZ	27	44.5 (1)	113.0	
							AVG.	5.59
28	08 14 15.6		33.0 N 115.6 W IMPERIAL COUNTY, CALIF.					
			H =014 KM MAG 4.40- CGS					
28	LC	eP	08 16 08.6	Z	0.5	0.9 (0)	7.6	4.00
		eL	08 18 20	T	0.7	3.6 (0)		
28	MV	eP	08 16 09.5	Z	0.7	1.6 (0)	7.7	4.11
		eL	08 18 08	Z	1.0	5.0 (0)		
							AVG.	4.05
28	10 03 48.2		45.4 N 150.0 E KURILE ISLANDS					
			H =045 KM MAG 4.60- CGS					
28	10 18 10.3		44.6 N 149.6 E KURILE ISLANDS					
			H =050 KM MAG 4.20- CGS					
28	MV	eP	10 28 50.0	Z	0.6	2.1 (0)	63.0	4.34
		e	10 29 29	Z	0.9	3.8 (0)		
28	RK	eP	10 29 32.6	Z	0.8	10.2 (0)	70.0	4.85
							AVG.	4.59
28	11 23 39.*		57.1 S 147.1 E SOUTH OF AUSTRALIA					
			H =033 KM					
28	12 03 19.8		52.8 N 159.8 E OFF EAST COAST KAMCHATKA					
			H =033 KM MAG 5.70- CGS					
28	NP	eP	12 10 31.2	JZ	.8	23.7 (0)	37.0	5.03
		ePP	12 11 59	JZ	2	14.1 (1)		
		ePP	12 11 59	LZ	16	70.0 (1)		
		ePCP	12 12 49	JZ	1.5	46.1 (0)		
		eS	12 16 15	R	2.7	39.2 (1)		
		eS	12 16 15	T	2.5	23.2 (1)		
		eSCP	12 16 22	JZ	1.9	68.6 (0)		
		eL	12 23 26	LZ	24	25.2 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	MV	eP	12 12 39.5	Z	1.2	14.0 (1)	54.0	5.86
		ePCP	12 13 45	Z	1.0	42.2 (0)		
		ePCS	12 17 45	R	2.0	33.4 (0)		
		e	12 20 14	LZ	21	39.6 (1)		
		eL	12 26 20	LZ	22	44.3 (1)		
28	RK	eP	12 13 21.5	Z	1.3	20.9 (1)	60.0	6.04
		eP	12 13 26	LZ	20	22.9 (1)		
		eS	12 21 29	R	2.0	18.3 (1)		
		eS	12 21 29	T	1.6	78.3 (0)		
		eS	12 21 30	LR	19	88.6 (1)		
		eS	12 21 30	LT	13	18.3 (2)		
		e	12 25 06	LT	25	56.1 (1)		
		eLQ	12 28 12	LR	30	11.5 (2)		
		eLR	12 32 57	LZ	27	16.3 (2)		
		eL	12 40 05	LT	22	22.6 (2)		
		eL	12 40 05	LR	20	10.4 (2)		
		eL	12 40 05	LZ	22	28.2 (2)		
28	LC	eP	12 14 10.5	Z	1.3	11.0 (1)	67.0	5.82
		eP	12 14 15	LZ	19	31.7 (1)		
		eS	12 23 07	LR	22	37.8 (1)		
		eSS	12 27 05	LR	22	18.9 (1)		
		e	12 27 44	LR	35	11.0 (2)		
		eLR	12 36 30	LZ	33	22.4 (2)		
28	DH	eP	12 14 54.1	Z	1.3	13.5 (1)	74.0	5.75
		eL	12 32 41	LZ	23	15.9 (2)		
28	LV	eP	12 14 55	LZ	20	35.3 (1)	75.0	
		e	12 24 32	LZ	22	34.6 (1)		
		eL	12 36 05	LZ	45	53.4 (2)		
		eLR	12 41 07	LZ	38	17.3 (2)		
28	HW	eLQ	12 22 38	LR	34	19.6 (2)	47.0	
		eLR	12 24 55	LZ	26	18.3 (2)		
							AVG.	5.70
28	MV	eL	13 32 09	LZ	25	60.2 (1)		
28	14 13 31.6		45.3 N 151.3 E KURILE ISLANDS H =045 KM MAG 4.10- CGS					
28	DH	eP	14 34 11.0	Z	0.5	6.6 (0)	1.6	
		eS	14 34 37	T	0.4	11.3 (1)		
28	14 36 20.0		45.7 N 150.3 E KURILE ISLANDS H =055 KM MAG 4.50- CGS					
28	DH	eP	15 30 16.2	Z	0.7	13.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	15 55 36.0		33.1 N 115.7 W IMPERIAL COUNTY, CALIF. H =014 KM MAG 4.00- CGS					
28	18 05 09.7		45.0 N 151.7 E KURILE ISLANDS H =060 KM MAG 4.30- CGS					
28	18 09 38.*		43.9 N 150.9 E KURILE ISLANDS H =033 KM MAG 4.20- CGS					
28	DH	eP	19 11 03.6	Z	0.4	15.1 (0)	1.7	
		eS	19 11 27	R	0.4	90.0 (0)		
28	19 15 12.5		42.8 S 73.7 W SOUTHERN CHILE H =030 KM MAG 4.90- CGS					
28	LC	eP	19 27 23.5	Z	1.1	9.2 (0)	81.0	4.66
28	DH	eP	19 49 27.9	Z	0.4	15.1 (0)	3.1	
		eS	19 50 03	R	0.4	14.7 (1)		
28	19 59 15.0		24.5 S 179.9 E FIJI ISLANDS REGION H =532 KM MAG 5.00- CGS					
28	MV	eP	20 10 49.9	Z	0.9	19.4 (0)	84.0	4.73
		epP	20 12 41	Z	1.8	32.1 (0)		
		e	20 16 25	Z	0.8	1.9 (0)		
		e	20 17 58	Z	1.2	12.9 (0)		
28	LC	eP	20 11 20.0	Z	0.9	15.3 (0)	90.0	4.93
		epP	20 13 16	Z	1.4	14.8 (0)		
		e	20 15 50	T	0.6	1.5 (0)		
		e	20 17 57	T	0.9	5.7 (0)		
							AVG.	4.83
28	20 36 56.0		44.8 N 149.6 E KURILE ISLANDS H =045 KM MAG 4.70- CGS					
28	NP	eP	20 45 25.0	JZ	1	10.9 (0)	47.0	4.80
		eL	21 01 15	LZ	32	12.7 (2)		
28	MV	eP	20 47 22.1	Z	1.0	5.0 (0)	63.0	4.51
		eL	21 06 08	LZ	27	26.1 (1)		
28	RK	eP	20 48 04.5	Z	0.9	15.2 (0)	70.0	4.99

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	LC	eP	20 48 45.0	Z	1.3	9.5 (0)	77.0	4.63
28	HW	eL	21 00 20	LZ	28	98.8 (1)	51.0	
28	LV	eL	21 19 48	LZ	34	32.7 (1)	85.0	
28	DH	eL	21 21 13	LZ	28	83.6 (1)	84.0	
							AVG.	4.73
28	MV	eL	20 55 56	LZ	20	17.4 (1)		
28	LC	eP	21 13 03.4	Z	0.2	8.3 (0)	1.4	
		eS	21 13 23	T	0.3	16.3 (0)		
28	21 48 24.1		49.9 N 154.7 E KURILE ISLANDS H =105 KM MAG 4.80- CGS					
28	MV	epP	21 58 31	Z	1.1	4.1 (0)	58.0	
28	RK	eP	21 58 46.4	Z	0.6	27.9 (0)	64.0	5.35
28	LC	eP	21 59 32.9	Z	1.1	10.7 (0)	71.0	4.58
							AVG.	4.96
28	DH	eP	22 10 14.4	Z	0.8	83.3 (0)		
29	02 23 53.6		44.6 N 151.2 E KURILE ISLANDS H =045 KM MAG 4.60- CGS					
29	02 57 33.*		45.6 N 151.2 E KURILE ISLANDS H =025 KM MAG 4.40- CGS					
29	NP	eP	03 54 17.2	JZ	1	5.2 (0)		
29	05 39 33.0		43.1 N 111.6 W SOUTHEASTERN IDAHO H =033 KM MAG 4.00- CGS					
29	06 04 53.*		27.8 S 66.9 W CATAMARCA PROV., ARGENTINA H =106 KM MAG 3.70- CGS					
29	07 01 42.7		40.4 N 124.7 W NEAR COAST HUMBOLT, CALIF. H =038 KM MAG 4.70- CGS					
29	MV	eP	07 02 25.7	Z	0.4	18.5 (0)	2.9	
		eP	07 02 26	LZ	13	55.5 (1)		
		e	07 02 52	LZ	15	29.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC	eP	07 05 39.9	Z	1.0	7.5 (0)	17.0	3.81
		e	07 08 58	LZ	16	23.0 (1)		
		eL	07 10 32	LZ	30	39.0 (1)		
29	RK	eP	07 06 54.0	Z	1.2	75.7 (0)	24.0	5.06
29	LV	eL	07 17 42	LZ	20	35.0 (1)	28.0	
29	DH	eL	07 25 35	LT	25	43.6 (1)	37.0	
							AVG.	4.43
29	07 09 00.*		45.3 N 150.7 E KURILE ISLANDS H =055 KM MAG 4.50- CGS					
29	MV	eP	07 09 46.9	Z	0.5	3.7 (0)	1.5	
		eS	07 10 08	R	0.5	9.5 (0)		
29	07 42 11.*		43.2 N 111.1 W SOUTHEASTERN IDAHO H =033 KM					
29	10 56 10.1		18.0 S 178.3 W FIJI ISLANDS REGION H =494 KM MAG 3.60- CGS					
29	14 04 22.1		44.5 N 127.7 W OFF COAST OF OREGON H =033 KM MAG 3.80- CGS					
29	15 49 10.3		24.8 S 68.6 W NORTHERN CHILE H =067 KM MAG 5.00- CGS					
29	DH	eP	15 59 58.9	Z	0.8	10.3 (0)	67.0	4.90
		e	16 00 27	Z	1.0	87.1 (0)		
29	LC	eP	16 00 00.0	Z	1.0	12.4 (3)	67.0	6.89
		e	16 00 28	Z	0.8	54.4 (2)		
29	RK	eP	16 01 05.1	Z	1.1	66.8 (0)	78.0	5.48
		e	16 01 33	Z	1.0	83.7 (0)		
29	MV	eP	16 01 16.1	Z	1.2	10.3 (0)	80.0	4.56
							AVG.	5.45
29	LC	eP	15 58 32.0	Z	0.5	10.0 (2)		
29	LC	e	15 59 03	Z	0.7	23.0 (2)		
29	16 55 49.4		26.5 S 177.5 W KERMADEC ISLANDS REGION H =065 KM MAG 4.20- CGS					
29	HW	eL	17 20 05	LZ	28	36.9 (1)	51.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC	eL	17 41 20	LZ	20	16.5 (1)	89.0	
29	20 22 15.7		26.2 S 177.8 W KERMADEC ISLANDS REGION H =049 KM MAG 4.80- CGS					
29	LC	eP	20 35 09.2	Z	1.0	10.1 (0)	89.0	4.95
		eL	21 03 10	LZ	35	64.3 (1)		
29	HW	eL	20 45 31	LZ	28	12.5 (2)	51.0	
29	MV	eL	21 00 00	LZ	29	73.7 (1)	84.0	
29	DH	eL	21 12 06	LR	16	38.5 (1)	116.0	
29	MV	eP	20 34 40.1	Z	1.1	8.2 (0)		
29	LC	eP	20 39 57.6	Z	0.3	68.3 (1)	1.4	
		eS	20 40 17	R	0.3	89.7 (1)		
29	DH	eP	20 57 31.7	Z	0.4	24.0 (0)	0.4	
		eS	20 57 36	R	0.4	39.6 (0)		
29	MV	eP	21 14 06.7	Z	0.3	2.3 (0)	0.6	
		eS	21 14 15	R	0.4	5.4 (0)		
29	LV	eL	21 17 16	LZ	17	45.4 (1)		
29	22 22 37.7		24.4 S 176.1 W TONGA ISLANDS REGION H =033 KM MAG 4.90- CGS					
29	MV	eP	22 34 51.0	Z	1.0	6.7 (0)	81.0	4.56
		e	22 36 49	Z	1.0	25.1 (0)		
		eL	23 01 16	LZ	15	22.3 (1)		
29	RK	eP	22 36 15.4	Z	0.8	17.4 (0)	104.0	5.97
29	HW	eL	22 44 54	LZ	29	38.6 (1)	48.0	
29	LV	eL	23 10 28	LZ	23	27.1 (1)	98.0	
							AVG.	5.26
29	NP	eP	22 33 20.0	JZ	1	15.6 (0)		
29	LC	eP	22 35 21	Z	1.0	25.2 (0)		
29	LC	eL	22 49 42	LZ	20	22.1 (1)		
29	NP	eL	22 55 00	LZ	21	76.2 (1)		
29	HW	eP	23 01 57.5	Z	0.2	99.9 (9)	0.6	
		eS	23 02 06	T	0.3	99.9 (9)		
30	00 00 58.*		44.2 N 150.6 E KURILE ISLANDS H =050 KM MAG 4.20- CGS					
30	HW	eP	00 02 38.7	Z	0.2	56.2 (0)	0.9	
		eS	00 02 51	T	0.2	12.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	00 35 40.4		44.7 N 150.0 E KURILE ISLANDS H =055 KM MAG 4.30- CGS					
30	01 05 37.*		43.4 N 151.2 E KURILE ISLANDS H =045 KM MAG 4.10- CGS					
30	01 17 31.1		04.8 S 77.9 W NORTHERN PERU H =020 KM MAG 5.30- CGS					
30	LC	eP	01 25 55.7	Z	1.0	51.2 (0)	46.0	5.46
		e	01 26 10	Z	1.1	22.1 (0)		
		eLR	01 43 10	LZ	22	16.3 (1)		
30	DH	eP	01 26 03.4	Z	0.7	57.2 (0)	47.0	5.75
30	RK	eP	01 27 17.3	Z	0.6	45.1 (0)	57.0	5.67
30	MV	eP	01 27 33.8	Z	1.1	14.6 (0)	59.0	4.92
30	NP	iP	01 30 03.7C	JZ	.9	98.8 (0)	84.0	5.98
		e	01 30 19	JZ	.8	35.1 (0)		
		e	01 30 48	JZ	.7	29.4 (0)		
							AVG.	5.55
30	02 59 24.*		43.6 N 151.4 E KURILE ISLANDS H =033 KM MAG 4.40- CGS					
30	LC	eP	05 15 21.5	Z	0.9	1.9 (0)		
30	LC	e	05 15 28	Z	0.9	4.9 (0)		
30	05 31 49.*		26.6 S 178.0 W KERMADEC ISLANDS REGION H =240 KM MAG 4.00- CGS					
30	LC	eP	05 44 22.0	Z	1.1	4.7 (0)	90.0	4.33
		eLR	06 16 08	LZ	23	17.5 (1)		
30	05 36 53.4		10.4 S 166.2 E SANTA CRUZ ISLANDS H =033 KM MAG 4.60- CGS					
30	MV	eP	05 49 18.2	Z	0.7	2.5 (0)	83.0	4.45
30	09 28 29.9		44.9 N 149.1 E KURILE ISLANDS H =045 KM MAG 4.10- CGS					
30	DH	eP	14 14 02.1	Z	0.2	4.2 (0)	2.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	14 14 28	R	0.3	41.5 (0)		
30			10 51 45.9	44.6 N	150.2 E	KURILE ISLANDS		
				H =055 KM	MAG	4.40-	CGS	
30	HW	eLR	11 20 28	LZ	17	35.4 (1)	51.0	
30	HW	eP	12 08 55.9	Z	0.2	18.7 (0)	0.5	
		eS	12 09 03	T	0.2	84.2 (0)		
30	MV	eP	15 11 26.9	Z	0.2	14.5 (0)		
30			15 21 07.2	44.8 N	150.2 E	KURILE ISLANDS		
				H =045 KM	MAG	4.50-	CGS	
30	DH	eP	15 41 47.1	Z	0.2	4.2 (0)	1.5	
		eS	15 42 07	T	0.3	32.6 (0)		
30	LC	eP	16 00 48.0	Z	0.2	0.6 (0)	2.5	
		eS	16 01 21	T	0.3	1.7 (0)		
30	RK	eP	17 42 46.0	Z	0.2	5.8 (0)	4.3	
		eS	17 43 38	R	0.2	52.2 (0)		
30			18 29 34.8	72.2 N	1.4 W	ARCTIC OCEAN		
				H =033 KM	MAG	4.20-	CGS	
30	LC	eP	18 37 45.2	Z	0.2	7.3 (0)	1.5	
		eS	18 38 05	T	0.3	5.3 (0)		
30	DH	eP	20 26 27.8	Z	0.2	4.2 (0)	4.2	
		eS	20 27 19	T	0.3	29.0 (0)		
30	LC	eP	21 10 48.1	Z	0.2	23.1 (0)	1.4	
		eS	21 11 06	T	0.3	10.7 (0)		
30	LC	eP	21 57 12.2	Z	0.3	0.9 (0)	2.1	
		eS	21 57 40	R	0.4	2.5 (0)		
30	DH	eP	22 38 45.7	Z	0.2	4.2 (0)	3.3	
		eS	22 39 27	T	0.3	54.4 (0)		
30			22 42 27.*	43.5 N	150.5 E	KURILE ISLANDS		
				H =033 KM	MAG	4.40-	CGS	
30	HW	eP	22 57 16.0	Z	0.2	37.4 (0)	0.6	
		eS	22 57 25	T	0.2	10.5 (1)		
30	MV	eP	23 31 52.5	Z	0.3	2.4 (0)	1.3	
		eS	23 32 09	T	0.3	9.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31			03 17 42.0	21.8 S	175.0 W	TONGA ISLANDS		
				H =033 KM	MAG	6.25-6.50 PAL		
31	HW	eP	03 26 00.4	Z	1.1	15.0 (1)	46.0	5.87
31	H.	eP	03 26 01	LZ	12	13.6 (2)	46.0	
31	HW	e	03 26 14	Z	13.0	30.9 (4)	46.0	
		eS	03 32 44	LT	23	50.3 (2)		
		eLQ	03 36 05	LT	21	10.1 (3)		
		eLR	03 39 35	LZ	22	53.1 (2)		
		eL	03 42 52	LR	18	12.4 (3)		
		eL	03 42 52	LT	13	94.8 (2)		
		eL	03 42 52	LZ	18	78.4 (2)		
31	MV	eP	03 29 42.2	Z	1.0	11.8 (0)	79.0	4.80
		eP	03 29 45	LZ	10	15.7 (2)		
		eS	03 39 44	LR	23	30.2 (2)		
		eSS	03 44 46	LR	20	13.7 (2)		
		eLQ	03 50 00	LR	29	18.0 (2)		
		eLR	03 54 40	LZ	23	16.6 (2)		
		eL	03 58 25	LT	19	68.2 (2)		
		eL	03 58 25	LR	19	95.7 (1)		
		eL	03 58 25	LZ	19	77.0 (2)		
		eL	04 01 37	LZ	18	5.7 (0)		
31	LC	eP	03 30 13.8	Z	1.0	8.9 (0)	85.0	4.85
		eP	03 30 18	LZ	12	12.9 (2)		
		e	03 30 31	Z	1.0	47.4 (0)		
		eS	03 40 39	LR	20	34.2 (2)		
		ePPS	03 42 05	LR	16	15.5 (2)		
		eSS	03 46 20	LR	19	99.9 (9)		
		eLQ	03 49 09	LR	25	14.5 (2)		
		eLR	03 56 44	LZ	21	15.2 (2)		
31	LV	eP	03 31 02	LZ	16	39.3 (1)	96.0	
		ePP	03 35 08	LZ	15	10.9 (2)		
		e	03 41 47	LZ	16	10.4 (2)		
		eSP	03 43 32	LZ	16	34.7 (2)		
		e	03 51 49	LZ	16	17.0 (2)		
		eL	03 56 32	LZ	17	10.3 (2)		
		eLR	04 05 22	LZ	20	15.0 (2)		
31	RK	eP	03 31 36	LZ	10	92.1 (1)	101.0	
		ePP	03 35 56	LZ	14	45.0 (1)		
		eSKS1	03 42 10	LR	15	82.7 (1)		
		eSKS2	03 43 11	LT	20	46.4 (2)		
		eSS	03 50 00	LT	19	50.1 (2)		
		e	03 53 59	LT	18	35.8 (2)		
		e	03 55 30	LT	20	24.0 (2)		
		eLQ	04 00 00	LT	30	32.1 (2)		
		eLR	04 06 41	LZ	22	11.7 (2)		
31	NP	ePP	03 35 48	JZ	1.4	15.4 (0)	103.0	
		eL	04 10 05	LZ	24	17.0 (2)		
31	DH	eSKS	03 42 55	LR	17	10.7 (2)	112.0	
		eSS	03 52 41	LR	24	26.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	04 15 15	LZ	20	89.1 (2)		
							AVG.	5.17
31			04 25 38.0	23.9 S 179.8 W	FIJI ISLANDS REGION			
				H =464 KM MAG	4.50- CGS			
31	MV	eP	04 37 15.5	Z	0.8	5.9 (0)	83.0	4.24
31	LC	eP	04 37 46.4	Z	0.8	3.7 (0)	89.0	4.27
31	DH	eL	05 36 31	LZ	20	15.0 (2)	116.0	
							AVG.	4.25
31	LC	eL	05 51 01	LZ	18	63.8 (1)		
31	MV	eL	05 56 57	LZ	18	52.7 (1)		
31	NP	eP	06 30 33.3	JZ	1	4.8 (0)		
31			08 08 52.0	43.0 N 111.3 W	SOUTHEASTERN IDAHO			
				H =033 KM MAG	3.00- CGS			
31			08 51 42.*	17.9 S 178.8 W	FIJI ISLANDS REGION			
				H =637 KM MAG	4.30- CGS			
31	HW	eP	08 58 54.7	Z	0.5	13.8 (1)	44.0	5.70
31	MV	eP	09 02 38.3	Z	1.0	16.8 (0)	78.0	4.46
31	LC	eP	09 03 14.9	Z	0.7	4.4 (0)	85.0	4.20
		epP	09 05 23	Z	1.0	2.5 (0)		
							AVG.	4.78
31			09 39 47.3	51.8 N 173.8 W	ANDREANOF ALEUTIAN ISLANDS			
				H =070 KM MAG	3.90- CGS			
31	RK	eP	09 48 18.4	Z	0.8	7.4 (0)	48.0	4.66
31	LC	eP	09 48 59.4	Z	0.6	1.0 (0)	52.0	4.02
31	DH	eP	09 50 10.0	Z	0.8	10.6 (0)	63.0	4.88
							AVG.	4.52
31			09 54 25.*	19.3 S 177.4 W	FIJI ISLANDS REGION			
				H =555 KM MAG	3.90- CGS			
31	LC	eP	10 06 04.0	Z	0.9	3.9 (0)	85.0	4.04
31			09 57 01.0	27.4 N 55.6 E	SOUTHERN IRAN			
				H =035 KM MAG	5.30- CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31			10 07 25.5	46.6 S 96.3 E	INDIAN OCEAN			
				H =033 KM MAG	5.20- CGS			
31	MV	eP'1	10 27 17.0	Z	0.7	1.6 (0)	152.0	
31			10 47 25.3	10.5 S 162.0 E	SOLOMON ISLANDS REGION			
				H =038 KM MAG	4.80- CGS			
31	MV	eP	11 00 05.9	Z	0.7	2.5 (0)	86.0	4.38
		eL	11 23 32	LZ	26	25.5 (1)		
31	HW	eL	11 04 07	LZ	20	22.0 (1)	51.0	
31	LC	eL	11 22 06	LZ	23	13.5 (1)	97.0	
31	RK	eL	11 39 30	LZ	23	61.2 (1)	107.0	
31	MV	eL	13 32 04	LZ	30	22.3 (1)		
31			17 19 39.*	51.6 N 178.6 W	ANDREANOF ALEUTIAN ISLANDS			
				H =033 KM MAG	4.10- CGS			
31			17 48 45.6	44.2 N 150.0 E	KURILE ISLANDS			
				H =070 KM MAG	4.40- CGS			
31			19 28 47.*	18.2 N 103.0 W	MICHOACAN, MEXICO			
				H =033 KM MAG	3.50- CGS			
31			20 10 54.2	37.2 N 70.0 E	HINDU KUSH REGION			
				H =105 KM MAG	4.50- CGS			
31			23 19 15.3	04.9 S 77.7 W	NORTHERN PERU			
				H =060 KM MAG	4.50- CGS			
31			23 54 08.*	43.7 N 151.2 E	KURILE ISLANDS			
				H =033 KM MAG	4.50- CGS			

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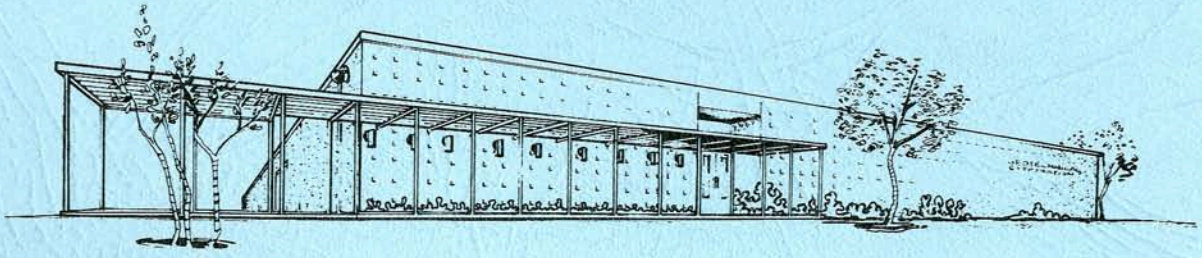
SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No:	VT/4051
ARPA Order No:	104-60
ARPA Code No:	8100
Contractor:	The Geotechnical Corporation Garland, Texas
Contract No:	AF 33(657)-12145

Bulletin No. 23
November 1963

10 August 1964

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TABLES

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at seven of the forty mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/4051, Contract AF 33(657)-12145, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the forty teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phases not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM bulletin sites, with the exception of Mould Bay, Canada (NP NT) and Hawaii Island (HW IS), consists of a three-component Benioff short-period seismograph system and a three-component

Sprengnether long-period seismograph system. Both systems use phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2. A 14-element short-period vertical Benioff seismometer array is in operation at HW IS. A 7-element short-period Johnson-Matheson vertical seismometer array is in operation at NP NT. The response characteristics of this system are shown in figure 3.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by 14-channel Magnetic Tape Recorders, Ampex Model 314. Data at HW IS and NP NT are also recorded by 16-mm film Develocorders, Geotech Model 4000C.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standards.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

The column titles appearing in this bulletin are defined as follows:

3.1 DAY The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (GCT).

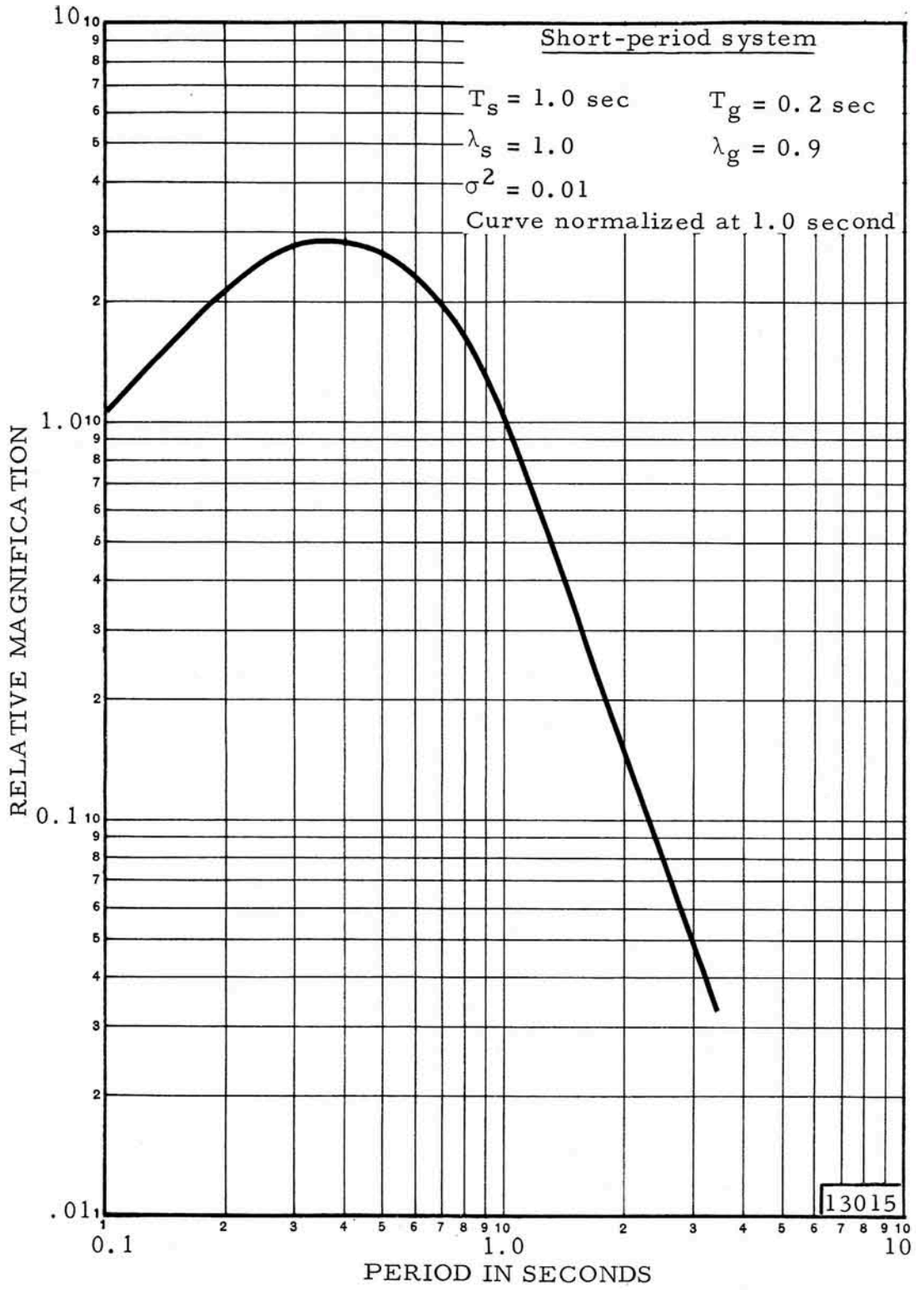


Figure 1. Frequency response of the Benioff short-period seismograph system

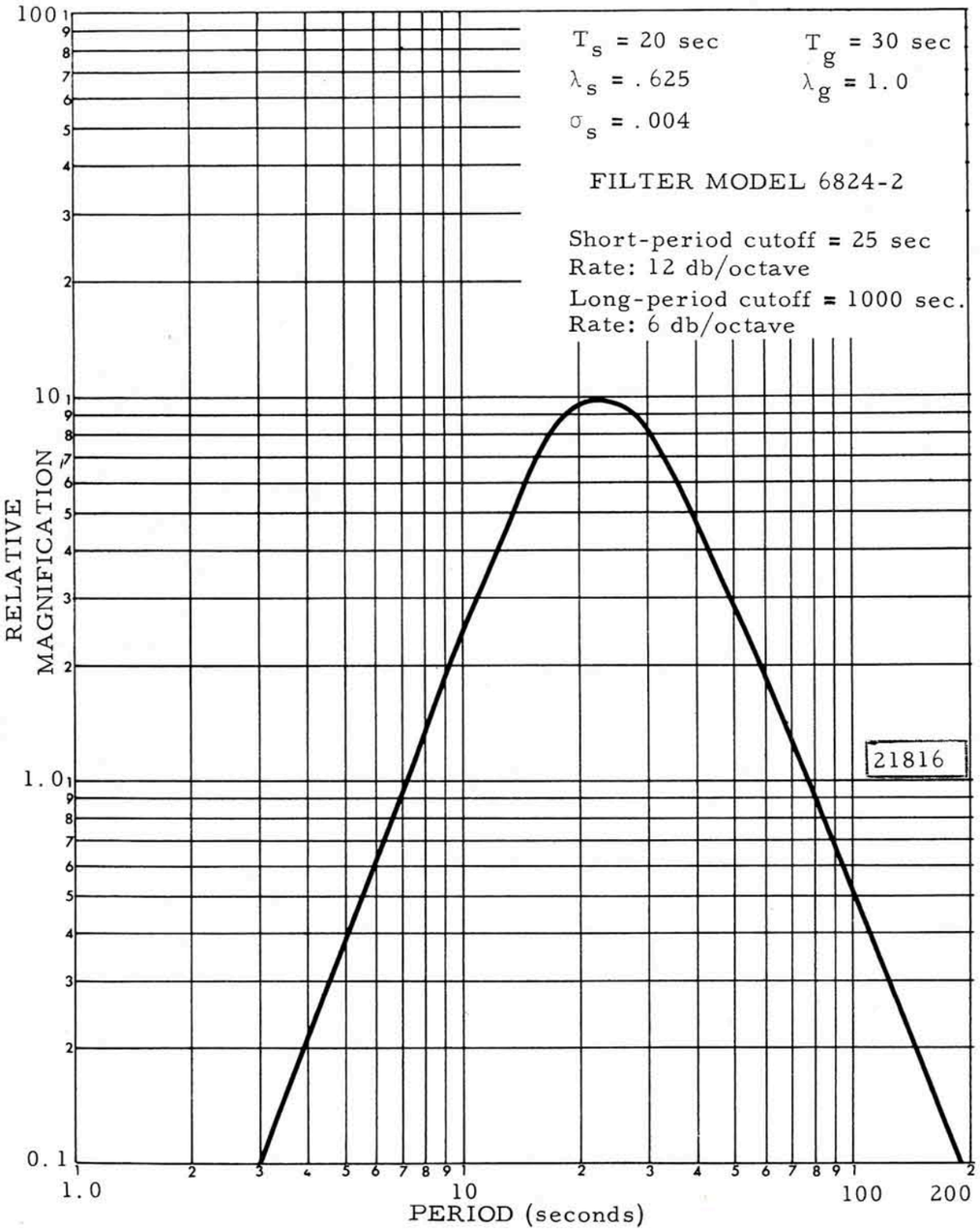


Figure 2. Frequency response of the Sprengnether long-period seismograph system

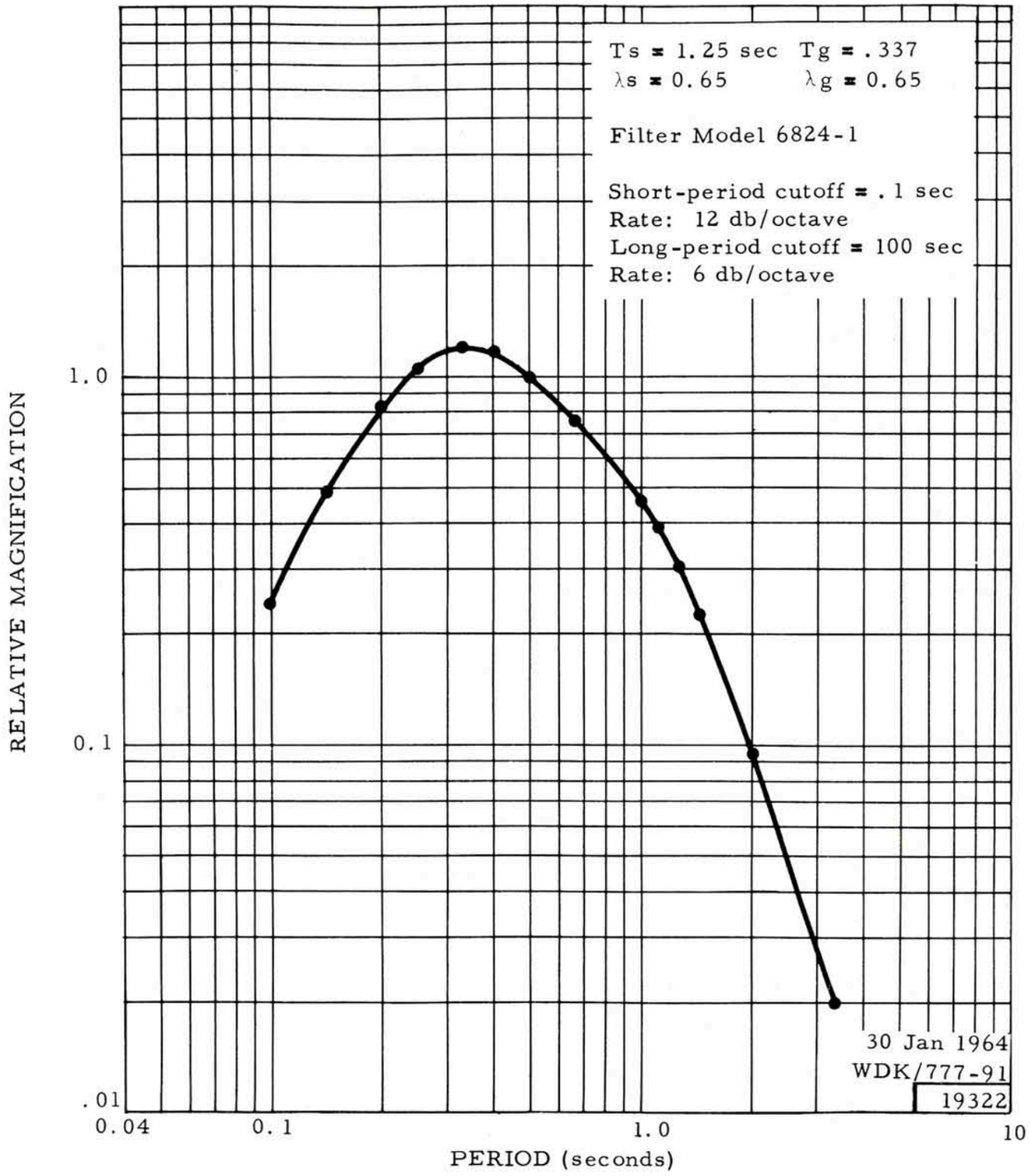


Figure 3. Frequency response of the Johnson-Matheson seismograph system

3.2 STA The station from which the data were taken. The station designators used in this bulletin are given in the following table:

Site Code	Site Designation
MV	Marysville, California
LC	Las Cruces, New Mexico
DH	Delhi, New York
RK	Red Lake, Ontario
LV	Liddieville, Louisiana
HW	Hawaii Island
NP	Mould Bay, Canada

The locations of the sites are shown in figures 4 and 5.

3.3 PHASE Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.4 TIME The arrival time of each phase is given in Greenwich Civil Time (GCT). Arrival times indicate that time at which phase motion is first detected. Arrival time is measured to the nearest 1/10 second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

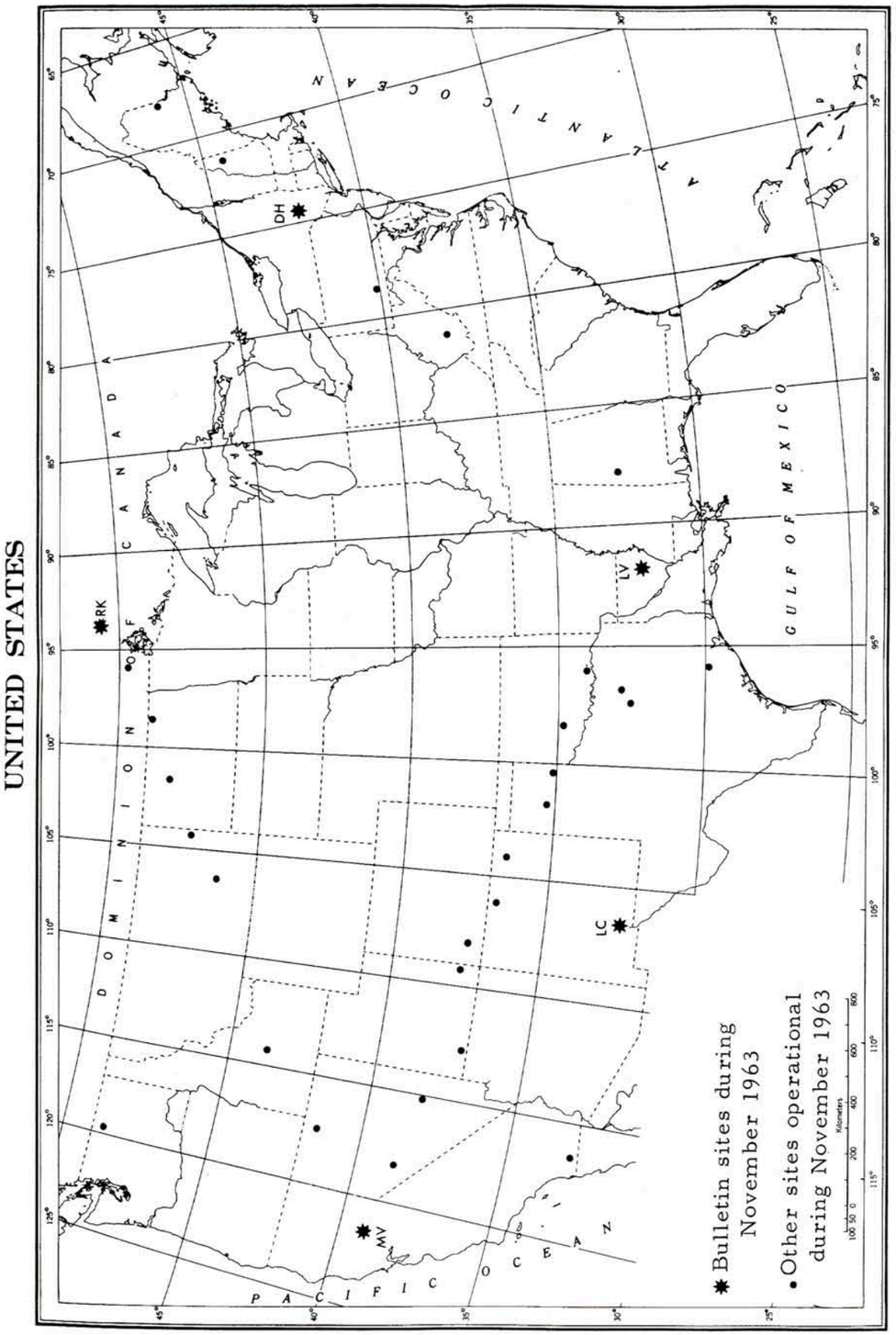
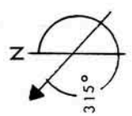


Figure 4. LRSM program sites inside the continental United States and Canada during November 1963

Table 1. LRSM site information

Seismometer orientation
(azimuth from true north
in degrees[1])

Site code	Site designation	Radial	Trans-verse	Site coordinates in deg, min, sec			Elevation in km	Rock type
LC NM	Las Cruces, New Mexico	124	214	N	32	24	1.59	Limestone
				W	106	35		
RK ON	Red Lake, Ontario	058	148	N	50	50	0.37	Granite
				W	93	40		
MV CL	Marysville, California	295	025	N	39	12	0.18	Volcanics
				W	121	17		
HW IS	Hawaii Island	235	325	N	19	58	0.71	Basalt
				W	155	42		
LV LA	Liddieville, Louisiana	111	201	N	32	08	0.02	Alluvium
				W	91	52		
NP NT	Mould Bay, Canada	356	086	N	76	15	0.06	Alluvium
				W	119	22		
DH NY	Delhi, New York	095	185	N	42	14	0.65	Sandstone
				W	74	53		



[1]When earth moves in direction shown, trace moves up.

Beyond 6 degrees calculations are made to the nearest 1 degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases, the major arc distance is given.

3.9 MAG The magnitudes provided are body wave magnitudes, m_b, as defined by Gutenberg and Richter.[1] They are determined only from the short-period vertical component of the "P" phase (initial arrival). The following equation is used:

$$m_b = \log_{10} (A/T) + Q$$

where:

m_b = body wave magnitude

A = 1/2 p-p earth amplitude of "P" phase, in microns

T = Period of "P" phase, in seconds

Q = Depth-distance factor for PZ given by Gutenberg and Richter[1], for distances greater than 16°.

Magnitude computations for distances less than 16° are based on AFTAC extensions of the "Q" tables. Points from 10° to 16° were read from a curve in the Gutenberg-Richter paper, and an inverse cube relationship was used to extrapolate from 2° to 10°.

The average magnitude (sum of station magnitudes/number of stations) is listed on the last line of an epicenter print-out.

When possible, magnitudes are computed for foreshocks and aftershocks as well as for the main event.

---

[1]Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Ann. Geofis., 9, pp. 1-15.

3.10 The notation FS located between the phase and the time columns calls attention to a foreshock recorded preceding the main event.

The notation AS located between these columns calls attention to an aftershock recorded following the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

Line 1 (from left to right)

First group:	day of the month
Second group:	origin time of the event
Third group:	geographic coordinates of the epicenter
Fourth group:	geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to 1/2° in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group:	depth (h) of the hypocenter in kilometers
Second group:	magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), Palisades (PAL), or USC&GS (CGS)

NOTE

MAG (CGS) is m_b of Gutenberg and Richter from the P phase only. The magnitude quoted is an average value determined from data forwarded by cooperating standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC)
VELA Seismological Center
Washington, D. C. 20333
ATTN: Captain Nicholas A. Orsini

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	LC	eP	01 13 59.2	Z	0.9	4.7 (0)		
1			01 34 12.0	62.9 N	3.3 E	NEAR COAST OF NORWAY		
				H = 33 KM	MAG	4.50-	CGS	
1			02 26 01.2	05.5 N	82.6 W	SOUTH OF PANAMA		
				H = 35 KM	MAG	4.60-	CGS	
1	LC	eP	02 32 51.0	Z	1.1	6.2 (0)	35.0	4.46
		ePP	02 34 14	Z	1.0	3.6 (0)		
		e	02 38 45	LR	16	2.6 (2)		
		eLR	02 43 45	LZ	30	3.1 (2)		
1	MV	eP	02 34 42.3	Z	0.7	1.6 (0)	48.0	4.17
1	NP	eP	02 37 31.2	JZ	1	5.0 (1)	74.0	5.43
							AVG.	4.68
1			02 51 35.1	45.2 N	152.2 E	KURILE ISLANDS		
				H = 33 KM	MAG	4.30-	CGS	
1			02 51 35.7	45.2 N	152.2 E	KURILE ISLANDS		
				H = 40 KM	MAG	4.30-	CGS	
1			02 51 36.0	45.2 N	152.2 E	KURILE ISLANDS REGION		
				H = 40 KM	MAG	4.30-	CGS	
1			03 52 25.9	51.7 N	159.8 E	NEAR EAST COAST KAMCHATKA		
				H = 33 KM	MAG	4.40-	CGS	
1	NP	eP	03 59 45.3	JZ	1.1	2.8 (1)	38.0	4.98
1	MV	eP	04 01 51.2	Z	0.6	1.4 (0)	54.0	4.17
							AVG.	4.57
1			04 29 43.0	29.5 S	64.2 W	SANT. DEL ESTERO, ARGENT.		
				H = 33 KM	MAG	4.00-	CGS	
1	LC	eP	04 41 13.5	Z	0.8	2.2 (0)	74.0	4.19
		eLR	05 10 50	LZ	17	9.4 (1)		
1	NP	eP	04 47 45.9	JZ	.2	2.1 (1)	0.1	
		eS	04 48 48	R	0.6	5.1 (1)		
1	NP	eP	06 15 36.0	JZ	1.2	4.0 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1			07 02 41.7	14.6 N	53.6 E	GULF OF ADEN		
				H = 33 KM	MAG	5.10-	CGS	
1	LC	eLQ	08 16 34	LR	30	5.0 (2)	130.0	
		eLR	08 21 25	LZ	23	3.0 (2)		
1	NP	eP	07 43 49.6	JZ	1.1	1.7 (1)		
1			09 28 22.0	22.8 S	176.0 W	TONGA ISLANDS		
				H = 33 KM	MAG	4.50-	CGS	
1	LC	eP	09 41 01.5	Z	1.1	3.1 (0)	86.0	4.29
1	NP	eP	10 15 52.6	JZ	.2	6.0 (0)	0.6	
		eS	10 16 01	R	0.4	1.2 (1)		
1	LC	eP	10 16 18.9	Z	0.7	1.8 (0)		
1			10 49 45.0	22.4 S	65.7 W	JUJUY PROVINCE, ARGENTINA		
				H =137 KM	MAG	3.80-	CGS	
1			11 34 55.9	13.6 N	90.1 W	OFF COAST OF EL SALVADOR		
				H =128 KM	MAG	4.40-	CGS	
1	LC	eP	11 40 00.0	Z	0.5	4.6 (0)	24.0	4.22
		e	11 44 55	LZ	17	1.0 (2)		
		e	11 49 09	LZ	17	1.4 (2)		
		eL	11 51 00	LT	16	5.5 (2)		
1	DH	eLR	11 52 58	LZ	17	6.7 (2)	31.0	
1	MV	eL	11 55 15	LR	21	2.3 (2)	38.0	
1	DH	eLR	12 16 27	LZ	40	1.7 (3)		
1	DH	e	12 55 47	LZ	22	1.2 (3)		
1	DH	eL	13 18 20	LZ	36	2.2 (3)		
1	MV	eP	14 06 56.2	Z	0.3	1.2 (0)	4.9	
		eS	14 07 55	T	0.4	3.2 (0)		
1	MV	eP	18 46 52.5	Z	0.2	3.8 (0)	1.7	
		eS	18 47 16	T	0.3	2.8 (0)		
1			20 59 28.1	22.5 S	176.8 W	TONGA ISLANDS		
				H = 71 KM	MAG	5.40-	CGS	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	HW	eP	21 07 55.1	Z	1.3	1.6 (2)	47.0	5.79
1	MV	eP	21 11 33.6	Z	1.4	4.7 (1)	80.0	5.16
		eS	21 21 32	LR	22	2.5 (2)		
1	LC	e	21 22 43	LZ	17	2.1 (2)	86.0	
		eSP	21 23 35	LZ	23	1.6 (2)		
		e	21 35 18	LZ	25	1.6 (2)		
		eLR	21 39 19	LZ	26	1.9 (2)		
							AVG.	5.47
1	LC	eP	21 36 18.0	Z	0.2	5.7 (0)	1.6	
		eS	21 36 39	R	0.2	1.2 (1)		
1	MV	eP	22 39 00.3	Z	0.2	2.3 (0)	1.1	
		eS	22 39 15	T	0.3	2.3 (0)		
1	22 41 23.8		44.9 N 148.9 E KURILE ISLANDS H = 60 KM MAG 5.50- CGS					
1	NP	eP	22 49 51.5	JZ	1	2.5 (2)	47.0	6.12
		ePCP	22 51 23	JZ	.9	1.0 (2)		
		eSCP	22 55 12	JZ	1.8	8.2 (1)		
		eLR	23 11 02	LZ	21	8.6 (2)		
1	MV	eP	22 51 49.6	Z	1.3	4.9 (1)	64.0	5.40
		e	22 52 26	Z	1.0	1.4 (1)		
		eLR	23 11 05	LZ	25	3.2 (2)		
1	LC	eP	22 53 11.9	Z	0.9	2.8 (1)	77.0	5.22
		eLR	23 14 23	LZ	35	4.2 (2)		
1	DH	eP	22 53 52.5	Z	0.9	4.7 (1)	85.0	5.54
		eL	23 22 43	LZ	17	5.0 (2)		
1	HW	eLR	23 04 57	LZ	28	1.5 (3)	52.0	
							AVG.	5.57
1	HW	eP	23 48 16.1	Z	0.2	1.9 (1)	0.6	
		eS	23 48 25	R	0.2	4.6 (2)		
1	MV	eP	23 59 43.6	Z	0.3	3.1 (0)	0.6	
		eS	23 59 52	T	0.4	7.1 (0)		
2	0 44 34.0		34.3 S 71.1 W SOUTHERN CHILE H = 89 KM MAG 3.80- CGS					
2	01 41 58.5		06.2 S 154.4 E SOLOMON ISLANDS H = 63 KM MAG 5.90- CGS					
2	08 47 43.0		32.4 N 113.7 W SONORA, MEXICO H = 14 KM MAG 4.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	LC	eP	08 49 05.1	Z	0.7	8.6 (0)	6.0	4.61
		eL	08 50 45	LZ	15	1.8 (3)		
		eL	08 50 59	R	0.8	3.8 (1)		
2	DH	eL	09 05 05	LT	15	7.7 (2)	32.0	
2	MV	eP	08 51 12.0	Z	0.8	2.0 (0)		
2	NP	eP	09 04 45.6	JZ	.9	7.9 (0)		
2	09 17 18.2		44.6 N 151.2 E KURILE ISLANDS H = 50 KM MAG 4.60- CGS					
2	MV	eL	09 52 55	LZ	17	7.2 (2)	62.0	
2	10 13 02.3		51.5 N 179.9 W ANDREANOF ALEUTIAN ISLANDS H = 33 KM MAG 4.10- CGS					
2	NP	eP	11 28 23.8	JZ	.8	4.1 (0)		
2	LC	eP	12 13 24.5	Z	0.5	1.3 (0)		
2	LC	e	12 13 33	Z	0.7	9.8 (0)		
2	LC	e	12 15 26	Z	1.4	3.2 (1)		
2	LC	e	12 15 40	LZ	15	3.5 (2)		
2	12 45 16.1		35.1 N 5.1 W NORTHERN MOROCCO H = 33 KM MAG 4.10- CGS					
2	16 07 13.1		12.5 S 74.7 W SOUTHERN PERU H =105 KM MAG 4.30- CGS					
2	LC	eL	16 12 35	LZ	30	1.2 (2)		
2	LC	eP	17 05 14.1	Z	1.0	9.7 (0)		
2	17 53 27.2		44.0 N 150.5 E KURILE ISLANDS H = 50 KM MAG 5.00- CGS					
2	MV	eP	18 03 50.7	Z	1.0	8.2 (0)	63.0	4.72
		ePCP	18 04 28	Z	0.9	6.4 (0)		
2	RK	eL	18 33 09	LT	32	1.1 (3)	70.0	
2	18 58 09.6		33.0 N 115.5 W IMPERIAL COUNTY, CALIF. H = 14 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	LC	eP	19 00 04.5	Z	0.5	.9 (0)	8.0	4.18
		eL	19 02 12	Z	0.9	3.8 (0)		
2	MV	eL	19 01 37.0	Z	0.8	2.0 (0)	8.0	
2	19 51 58.6		43.3 N 29.5 W NORTH ATLANTIC OCEAN H = 33 KM MAG 4.20- CGS					
2	RK	eL	20 13 11	LZ	30	5.4 (2)	43.0	
2	LC	eL	20 20 40	LZ	38	5.7 (2)	60.0	
2	MV	eL	20 26 27	LZ	26	3.7 (2)	66.0	
2	20 12 27.0		05.3 S 133.9 E TANIMBAR ISLANDS REGION H = 38 KM MAG 4.90- CGS					
2	20 40 32.0		22.2 S 175.6 W TONGA ISLANDS REGION H = 33 KM MAG 4.40- CGS					
2	LC	ePKKP	21 11 08	Z	0.7	5.5 (0)	85.0	
2	DH	eL	20 54 45	LZ	19	1.5 (3)		
2	21 35 29.8		24.3 S 68.1 W CHILE ARGENTINA BORDER H =106 KM MAG 4.80- CGS					
2	LC	eP	21 46 14.2	Z	0.6	5.1 (0)	67.0	4.62
2	22 21 20.7		01.9 S 138.9 E NEAR COAST WEST NEW GUINEA H = 33 KM MAG 5.20- CGS					
2	LC	eL	23 17 47	LZ	20	1.5 (2)	112.0	
2	HW	eP	22 46 16.5	Z	0.3	1.4 (1)	0.7	
		eS	22 46 25	R	0.3	1.3 (2)		
2	LC	e	23 32 40	LR	26	6.1 (2)		
2	LC	e	23 34 00	LR	40	4.8 (3)		
2	LC	eLR	23 38 00	LZ	25	1.4 (3)		
2	MV	eL	23 40 15	LZ	26	1.4 (3)		
2	DH	eL	23 45 57	LR	27	5.0 (2)		
3	01 15 24.9		45.2 N 151.4 E KURILE ISLANDS H = 45 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	01 37 04.0		45.4 N 151.0 E KURILE ISLANDS H = 33 KM MAG 4.30- CGS					
3	02 14 24.0		23.9 N 122.6 E OFF EAST COAST OF TAIWAN H = 33 KM MAG 4.60- CGS					
3	LC	eP	03 09 31.1	Z	0.8	2.2 (0)		
3	03 10 12.7		03.5 S 77.8 W PERU ECUADOR BORDER H = 33 KM MAG 6.75- PAS					
3	LV	eP	03 17 26.6	Z	0.9	1.3 (2)	38.0	5.73
3	LC	eP	03 18 26.8	Z	0.7	3.3 (1)	45.0	5.31
		eP	03 18 28	LZ	19	2.4 (3)		
		ePP	03 20 07	Z	1.3	1.3 (2)		
		eSCP	03 24 02	Z	1.7	1.1 (2)		
		eSCP	03 24 10	LZ	20	1.6 (3)		
		eS	03 25 01	LR	13	6.9 (3)		
		eS	03 25 08	T	2.0	1.5 (2)		
		eL	03 36 26	Z	16.0	2.2 (4)		
3	DH	eP	03 18 31.4	Z	0.9	4.5 (2)	46.0	4.17
		eP	03 18 32	LZ	17	99.9 (9)		
		e	03 20 05	LZ	14	4.1 (3)		
		e	03 22 30	LZ	16	3.5 (3)		
		e	03 23 30	LZ	18	3.9 (3)		
		eS	03 25 16	T	1.8	4.6 (2)		
3	RK	eP	03 19 58	LZ	20	2.2 (3)	56.0	
		eS	03 27 29	LT	20	5.4 (3)		
		e	03 28 50	LT	18	5.2 (3)		
		eSS	03 31 23	LT	28	5.3 (3)		
3	MV	eP	03 20 07.0	Z	0.6	1.9 (1)	58.0	5.31
		eP	03 20 08	LZ	16	4.7 (3)		
		ePP	03 22 00	LZ	15	1.8 (3)		
		ePPP	03 23 55	LZ	20	1.5 (3)		
		eS	03 28 10	LT	22	5.4 (3)		
		eLQ	03 29 20	LT	20	2.4 (3)		
		eLR	03 33 20	LZ	28	3.4 (3)		
		e	03 49 38	Z	1.2	1.3 (1)		
		e	03 49 57	Z	1.5	5.6 (1)		
3	HW	eP	03 22 21.3	Z	0.9	1.8 (2)	80.0	5.98
		eP	03 22 22	LZ	20	3.3 (3)		
		ePP	03 25 20	LZ	20	9.7 (2)		
		eS	03 32 30	LR	17	1.1 (4)		
		e	03 37 10	LZ	30	4.6 (3)		
		eLQ	03 44 10	LR	36	2.0 (4)		
		eLR	03 47 05	LZ	999.9	99.9 (9)		
							AVG.	5.30

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	LC	eP	03 12 58.9	Z	0.8	2.2 (0)		
3	04 24 48.0		04.3 S 78.3 W PERU ECUADOR BORDER H =146 KM MAG 4.20- CGS					
3	LC	eP	04 32 53.5	Z	0.7	3.0 (0)	45.0	4.00
		e	04 33 58	Z	0.9	3.8 (0)		
3	04 37 25.2		49.5 N 155.6 E SOUTHERN TIP OF KAMCHATKA H = 50 KM MAG 4.90- CGS					
3	LC	eP	04 48 38.9	Z	0.8	3.7 (0)	71.0	4.42
3	07 38 10.7		15.6 S 73.3 W SOUTHERN PERU H =112 KM MAG 4.80- CGS					
3	LC	eP	07 47 48.5	Z	1.2	1.3 (1)	57.0	4.82
		e	07 48 14	Z	1.1	1.8 (1)		
		e	07 48 25	Z	0.9	6.6 (0)		
3	NP	eP	10 52 22.4	JZ	.8	4.6 (0)		
3	12 00 41.0		43.4 S 145.8 E TASMANIA REGION H = 33 KM					
3	12 02 28.3		03.7 S 78.3 W NEAR COAST OF ECUADOR H = 33 KM MAG 4.50- CGS					
3	LC	eP	12 10 41.8	Z	0.9	5.7 (0)	45.0	4.44
3	14 31 57.2		14.0 S 165.9 E NEW HEBRIDES ISLANDS H = 50 KM MAG 4.90- CGS					
3	MV	eP	14 44 33.0	Z	0.5	6.1 (0)	86.0	4.89
3	14 35 59.4		39.2 N 21.1 E NEAR WEST COAST OF GREECE H = 29 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	15 59 04.6		38.4 N 20.5 E IONIAN ISLANDS H = 33 KM MAG 4.10- CGS					
3	17 10 10.7		16.9 N 61.6 W LEEWARD ISLANDS H = 34 KM MAG 4.10- CGS					
3	LC	eP	17 18 11.6	Z	0.8	1.5 (0)	43.0	3.78
3	LC	eP	17 42 07.8	Z	0.3	1.3 (0)	2.9	
		eS	17 42 45	T	0.4	1.7 (0)		
3	18 26 03.2		43.0 N 111.7 W SOUTHEASTERN IDAHO H = 33 KM MAG 4.20- CGS					
3	19 22 53.6		45.3 N 150.1 E KURILE ISLANDS H = 45 KM MAG 4.70- CGS					
3	22 54 36.6		44.3 N 149.2 E KURILE ISLANDS H = 45 KM MAG 4.30- CGS					
4	00 52 53.0		45.2 N 150.0 E KURILE ISLANDS H =066 KM MAG 4.20- CGS					
4	01 03 13.*		02.3 N 79.7 W OFF W. COAST OF COLOMBIA H =062 KM MAG 4.10- CGS					
4	LC	eP	01 10 37.6	Z	0.6	2.6 (0)	39.0	4.16
4	01 14 32.8		15.1 S 167.3 E NEW HEBRIDES ISLANDS H =154 KM MAG 6.75-7.00 PAS					
4	HW	eP	01 23 16.0	Z	1.2	18.6 (1)	50.0	5.72
		eP	01 23 17	LZ	17	21.3 (2)		
4	MV	eP	01 26 55.2	Z	1.8	18.3 (1)	86.0	5.70
		eP	01 26 56	LZ	19	19.3 (2)		
		e	01 26 58	Z	0.6	27.3 (0)		
		e	01 27 26	Z	0.8	11.9 (0)		
		ePP	01 30 14	Z	1.5	34.5 (0)		
4	LC	eP	01 27 37.0	Z	1.4	17.8 (0)	95.0	5.20
		eP	01 27 37	LZ	19	11.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		epP	01 28 13	Z	1.6	34.3	(0)		
		ePP	01 31 22	Z	1.5	18.3	(0)		
		eL	01 53 05	Z	6.0	66.3	(2)		
4	RK	ePD	01 28 35	LZ	24	52.8	(1)	107.0	
4	DH	eP'	01 33 09.0	Z	1.0	11.0	(0)	121.0	
		eP	01 33 40	LZ	20	19.3	(2)		
								AVG.	5.54

4 01 17 08.9 06.8 S 129.6 E BANDA SEA
H =080 KM

4	HW	eP	01 29 02.0	Z	1.2	86.8	(1)	78.0	6.49
		eP	01 29 02	LZ	999.9	99.9	(9)		
		eS	01 39 08	R	3.1	98.7	(2)		
		eSKS	01 39 26	R	4.0	29.4	(3)		
		e	01 40 27	T	4.3	20.9	(3)		
4	NP	eP	01 30 51.5	JZ	1.6	99.9	(9)	102.0	
		eP	01 30 52	LZ	17	13.4	(3)		
		eSKS	01 41 20	R	2.9	99.9	(9)		
		e	01 41 40	R	3.9	99.9	(9)		
		eS	01 42 41	R	3.5	99.9	(9)		
		eSP	01 44 04	JZ	7.2	99.9	(9)		
		eP'P'	01 55 10	JZ	7.3	26.8	(3)		
4	MV	ePD	01 31 27	Z	1.5	93.7	(0)	109.0	
		ePD	01 31 30	LZ	19	27.9	(2)		
		e	01 32 05	LZ	999.9	99.9	(9)		
		e	01 32 35	Z	1.3	16.1	(1)		
		eP'	01 35 36	Z	1.0	67.1	(0)		
		e	01 36 00	LZ	999.9	99.9	(9)		
		eSKS	01 41 56	LT	999.9	99.9	(9)		
		eSKS	01 42 05	R	3.5	30.1	(2)		
		e	01 45 25	Z	6.0	26.0	(3)		
		eSP	01 45 55	Z	7.0	99.9	(9)		
		ePCPP'	01 52 38	Z	1.0	3.3	(0)		
4	LC	ePD	01 32 25	LZ	22	99.9	(9)	122.0	
		ePD	01 32 28	Z	1.4	20.7	(0)		
		eP'	01 35 56	Z	1.0	69.8	(0)		
		eSKS	01 42 52	R	2.3	10.5	(2)		
		e	01 44 40	R	3.4	33.2	(2)		
		ePKKP	01 46 00	Z	1.0	18.0	(1)		
		eSPP	01 48 53	Z	4.8	59.8	(2)		
4	RK	ePD	01 32 32	LZ	18	24.7	(2)	123.0	
		eP'	01 35 55	LZ	18	25.1	(2)		
		ePP	01 37 45	LZ	999.9	99.9	(9)		
4	LV	eP'	01 36 21.3	Z	1.7	26.5	(2)	134.0	
		e	01 36 42	Z	1.0	11.4	(2)		
		eSKP1	01 39 39	Z	1.5	99.9	(9)		
		eSKP2	01 39 48	Z	999.9	99.9	(9)		
		eSP	01 48 58	Z	6.5	94.2	(3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL		DIST	MAG
		ePSP	01 50 54	Z	7.5	39.6	(3)		
4	DH	eP'	01 36 21.9	Z	1.5	16.2	(1)	139.0	
		e	01 36 47	Z	0.8	34.6	(1)		
4	NP	e	01 28 06	LZ	20	54.5	(1)		
4	NP	e	01 31 55	LZ	23	99.9	(9)		
4	NP	e	01 35 50	LZ	18	99.9	(9)		
4	LV	e	01 36 07.4	Z	1.5	23.4	(1)		
4	DH	e	01 36 13	LZ	24	99.9	(9)		
4	DH	e	01 39 52	Z	1.5	19.5	(2)		
4	DH	e	01 40 05	LR	999.9	99.9	(9)		
4	NP	e	01 40 55	LT	999.9	99.9	(9)		
4	MV	e	01 42 16	R	3.5	12.8	(3)		
4	MV	e	01 43 11	R	5.0	99.9	(9)		
4	DH	e	01 46 17	T	3.9	17.2	(3)		
4	LV	e	01 46 18	R	3.5	15.7	(3)		
4	LV	e	01 46 26	R	3.2	13.8	(3)		
4	DH	e	02 12 42	Z	0.9	17.0	(0)		

4 02 14 04.2 06.9 S 129.5 E BANDA SEA
H =076 KM MAG 5.30- CGS

4	LC	eP'	02 32 53.0	Z	1.0	7.4	(0)	122.0	
		ePKKP	02 42 51	Z	1.0	2.4	(0)		
4	MV	e	02 14 17	Z	1.3	16.1	(0)		
4	DH	e	02 21 10	Z	0.5	4.1	(0)		
4	LC	e	02 22 22	Z	1.0	8.7	(0)		
4	LC	e	02 26 28	Z	1.5	14.6	(0)		
4	LC	e	02 28 50	Z	1.4	20.7	(0)		
4	LV	e	02 32 59	Z	1.1	39.3	(0)		

4 02 36 41.1 07.0 S 129.5 E BANDA SEA
H =129 KM MAG 5.50- CGS

4	LC	eP'	02 55 24.0	Z	1.0	2.4	(0)	122.0	

4 03 29 30.5 15.0 S 75.8 W NEAR COAST OF SOUTH PERU
H =052 KM MAG 4.00- CGS

4	LC	eP	03 39 03.0	Z	1.0	2.4	(0)	56.0	4.19

4 03 43 15.9 06.9 S 129.8 E BANDA SEA
H =100 KM MAG 5.10- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	05 22 59.0		06.8 S 129.8 E BANDA SEA H =080 KM MAG 5.40- CGS					
4	LC	ePKKP	05 51 46	Z	0.8	1.4 (0)	122.0	
4	06 09 19.8		44.5 N 150.6 E KURILE ISLANDS H =040 KM MAG 4.20- CGS					
4	HW	eP	07 23 32.0	Z	999.9	99.9 (9)		
4	08 06 15.1		44.0 N 149.9 E KURILE ISLANDS H =033 KM MAG 4.20- CGS					
4	08 35 51.5		44.8 N 149.3 E KURILE ISLANDS H =033 KM MAG 4.30- CGS					
4	MV	eP	09 01 46.6	Z	1.0	3.3 (0)		
4	15 13 35.1		07.0 S 129.4 E BANDA SEA H =132 KM MAG 5.00- CGS					
4	15 45 46.8		44.5 N 11.0 E EMILIA ROMAGNA, ITALY H =016 KM MAG 4.10- CGS					
4	LC	eL	16 50 15	LZ	19	11.5 (1)		
4	DH	eLR	18 22 30	LZ	23	19.5 (1)		
4	18 22 43.*		23.5 S 176.1 W TONGA ISLANDS H =033 KM MAG 4.60- CGS					
4	LC	eP	18 35 25.4	Z	0.9	4.7 (0)	87.0	4.72
		eLR	19 05 55	LZ	21	25.2 (1)		
4	RK	eLR	19 18 35	LZ	19	25.5 (1)	103.0	
4	DH	eLR	19 19 03	LZ	17	29.4 (1)	113.0	
4	19 52 04.0		06.9 S 129.5 E BANDA SEA H =104 KM					
4	MV	ePD	20 06 18.5	Z	0.7	2.5 (0)	109.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	LC	eP	20 30 01.9	Z	0.2	9.5 (0)	1.5	
		eS	20 30 21	T	0.3	7.6 (0)		
4	21 12 11.5		36.3 N 71.3 E HINDU KUSH H =148 KM MAG 4.70- CGS					
4	22 17 07.5		06.8 S 129.8 E BANDA SEA H =122 KM MAG 5.40- CGS					
4	22 17 09.0		06.8 S 129.9 E BANDA SEA H =136 KM MAG 5.60- CGS					
4	22 25 03.*		00.9 S 139.7 E N. COAST WEST NEW GUINEA H =033 KM					
4	HW	eLR	22 54 50	LZ	18	47.0 (1)	66.0	
4	LC	eL	23 08 23	LZ	29	14.8 (1)	110.0	
		eL	23 19 40	LR	21	45.2 (1)		
		eL	23 19 40	LT	23	29.6 (1)		
		eL	23 19 40	LZ	20	44.2 (1)		
4	RK	eLR	23 12 20	LZ	30	23.4 (1)	113.0	
4	NP	eP	22 34 32.5	JZ	.9	5.8 (0)		
4	LC	eP	23 36 09.6	Z	0.2	5.9 (0)	1.2	
		eS	23 36 26	T	0.3	5.8 (0)		
5	NP	eP	03 03 47.8	JZ	.9	7.1 (0)		
5	LC	eL	03 21 15	LZ	27	1.9 (2)		
5	03 44 42.2		43.3 N 111.2 W SOUTHEASTERN IDAHO H = 33 KM MAG 3.90- CGS					
5	05 16 31.2		07.3 S 129.2 E BANDA SEA H =141 KM MAG 5.10- CGS					
5	MV	eP	06 06 12.7	Z	0.7	1.6 (0)		
5	06 06 19.0		06.9 S 129.4 E BANDA SEA H = 94 KM MAG 4.70- CGS					
5	LC	eP	07 39 18.5	Z	0.6	1.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	LC	e	07 40 39	R	0.6	4.1 (0)		
5	LC	e	07 41 11	T	0.6	7.5 (0)		
5	08 18 04.0		24.8 S 179.7 E FIJI ISLANDS					
			H =606 KM MAG 4.40- CGS					
5	LC	eP	08 22 53.0	Z	1.0	2.4 (0)		
5	LC	e	08 23 57	Z	1.0	4.9 (0)		
5	08 43 25.2		43.8 N 150.3 E KURILE ISLANDS					
			H = 45 KM MAG 4.20- CGS					
5	08 43 33.8		07.2 S 129.0 E BANDA SEA					
			H =112 KM MAG 4.90- CGS					
5	09 18 42.6		43.5 N 150.9 E KURILE ISLANDS					
			H = 40 KM MAG 4.60- CGS					
5	09 33 36.0		27.6 S 176.2 W KERMADEC ISLANDS REGION					
			H = 92 KM MAG 4.50- CGS					
5	MV	eL	10 13 50	LZ	20	2.0 (2)	84.0	
5	LC	eL	10 15 30	LZ	20	1.0 (2)	89.0	
5	RK	eL	10 26 52	LZ	22	1.0 (2)	106.0	
5	DH	eL	10 33 42	LZ	21	2.4 (2)	116.0	
5	LV	eP	10 25 10.5	Z	0.8	1.9 (1)		
5	NP	eP	14 13 43.2	JZ	.7	1.6 (1)		
5	16 02 05.4		26.1 S 178.9 E FIJI ISLANDS REGION					
			H = 56 KM MAG 4.60- CGS					
5	HW	eL	16 28 02	LZ	18	3.8 (2)	52.0	
5	MV	eL	16 43 13	LZ	20	2.8 (2)	86.0	
5	LC	eL	16 45 00	LZ	20	2.2 (2)	92.0	
5	RK	eL	16 55 43	LZ	22	1.7 (2)	108.0	
5	DH	eL	17 01 38	LZ	23	4.0 (2)	119.0	
5	HW	eP	16 45 39.5	Z	0.3	99.9 (9)	0.4	
		eS	16 45 47	R	0.3	2.7 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	LC	eP	18 04 55.7	Z	0.2	2.8 (0)		
5	LC	e	18 04 59	Z	0.7	5.5 (0)		
5	LC	e	18 05 33	Z	0.4	6.1 (0)		
5	DH	eP	19 29 31.0	Z	0.4	1.1 (1)	1.5	
		eS	19 29 52	R	0.6	3.9 (1)		
5	LC	eP	19 34 33.2	Z	0.2	1.0 (1)	1.3	
		eS	19 34 51	T	0.2	8.3 (0)		
5	LC	eL	20 48 00	LZ	21	1.3 (2)		
5	20 59 26.3		44.6 N 148.8 E KURILE ISLANDS					
			H = 33 KM MAG 4.10- CGS					
5	LC	eP	21 21 30.4	Z	0.2	5.7 (0)	1.4	
		eS	21 22 00	T	0.4	6.3 (0)		
5	21 46 23.6		47.4 N 147.1 E KURILE ISLANDS					
			H = 45 KM MAG 4.40- CGS					
5	LC	eP	22 26 14.2	Z	0.7	2.4 (0)		
5	NP	eP	22 31 52.8	JZ	.9	5.7 (0)		
5	22 45 03.0		27.8 N 92.4 W GULF OF MEXICO					
			H = 33 KM MAG 4.80- CGS					
5	LC	eP	22 48 07.0	Z	0.6	1.5 (0)	13.0	4.17
		eL	22 50 08	T	0.9	4.9 (0)		
5	RK	eL	22 58 48	LZ	24	1.0 (2)	23.0	
5	23 10 54.0		55.5 S 28.4 W SANDWICH ISLANDS REGION					
			H = 33 KM					
5	23 52 56.3		01.7 N 126.4 E MOLUCCA PASSAGE					
			H = 28 KM MAG 5.80- CGS					
6	NP	eP	00 06 13.1	JZ	1	1.8 (1)	94.0	5.38
6	LC	eP?	00 11 46.8	Z	1.3	9.7 (0)	118.0	
		ePKKP	00 22 01	Z	0.6	1.5 (0)		
6	NP	eP	00 20 43.3	JZ	.3	1.0 (1)	0.5	
		eS	00 20 50	R	0.4	4.3 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	01	01 07.0	12.8 S 73.9 W SOUTHERN PERU H = 86 KM MAG 4.40- CGS					
6	LC	eP	01 10 30.2	Z	0.9	1.9 (0)	55.0	4.13
6	NP	eP	01 13 26.2	JZ	.7	4.8 (0)		
6	01	19 37.4	07.8 S 129.8 E BANDA SEA H =158 KM MAG 4.90- CGS					
6	01	28 46.6	04.2 S 77.7 W NORTHERN PERU H =170 KM MAG 4.10- CGS					
6	LC	eP	01 36 51.8	Z	0.8	3.0 (0)	46.0	3.90
		e	01 38 11	Z	0.9	1.9 (0)		
6	DH	eP	01 36 56.6	Z	0.7	1.0 (1)	46.0	4.49
6	NP	eP	01 41 01.1	JZ	.7	1.4 (1)	84.0	4.87
							AVG.	4.42
6	02	13 16.8	02.6 S 138.4 E WESTERN NEW GUINEA H = 33 KM MAG 5.70- CGS					
6	HW	eP	02 24 13	LZ	12	1.3 (3)	68.0	
		ePS	02 33 30	LR	30	9.5 (3)		
		eLQ	02 41 57	LR	24	5.2 (3)		
		eLR	02 44 25	LZ	31	9.1 (2)		
6	NP	eP	02 26 37.1	JZ	1.4	1.1 (2)	95.0	6.13
		eP	02 26 40	LZ	8	1.0 (3)		
		e	02 26 45	JZ	1.5	6.1 (2)		
		ePP	02 30 20	JZ	2.6	3.7 (2)		
		eSKS	02 37 12	R	3.5	1.5 (2)		
		eSKS	02 37 12	LT	20	1.7 (3)		
		ePS	02 39 27	LT	28	3.5 (3)		
		eSS	02 44 22	LT	34	5.4 (3)		
		eSSS	02 48 32	LT	25	2.6 (3)		
		eLR	02 58 47	LZ	35	6.6 (2)		
		eL	03 05 45	LT	25	6.4 (3)		
		eL	03 05 45	LR	25	3.4 (3)		
		eL	03 05 45	LZ	25	9.0 (3)		
6	LC	eP'	02 31 53.9	Z	1.1	3.1 (0)	112.0	
		ePP	02 32 38	LZ	30	12.6 (6)		
		ePP	02 32 39	Z	2.3	7.2 (1)		
		eSKS	02 38 50	LR	27	1.2 (3)		
		e	02 40 00	LR	27	1.2 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePS	02 42 19	LR	28	99.9 (9)		
		ePKKP	02 42 52	Z	0.9	2.8 (0)		
		eSKKP	02 46 35	Z	1.1	3.1 (0)		
		eSS	02 48 16	LR	35	99.9 (9)		
		eLQ	02 59 45	LT	28	99.9 (9)		
		eLR	03 05 00	LZ	999.9	99.9 (9)		
6	RK	eP'	02 32 05.0	Z	2.0	4.5 (1)	115.0	
		ePP	02 32 52	LZ	8	3.2 (3)		
		eSKS	02 38 48	LT	28	(0)		
		eSKKS	02 40 00	LT	18	(0)		
		eSP	02 42 30	LZ	22	99.9 (9)		
		eSS	02 49 20	LT	32	(0)		
		eSSS	02 53 15	LT	27	(0)		
		eLR	03 06 00	LZ	36	99.9 (9)		
6	LV	eP'	02 32 17.2	Z	1.0	3.1 (1)	124.0	
		ePP	02 34 00	LZ	8	3.9 (3)		
		ePP	02 34 06	Z	1.3	9.3 (1)		
		eLR	02 51 17	LZ	18	1.9 (3)		
6	DH	ePP	02 34 41	LZ	8	3.3 (3)	131.0	
		ePP	02 34 43	Z	1.6	1.0 (2)		
		e	02 35 38	LZ	15	1.4 (3)		
		eSS	02 52 40	LR	34	6.4 (3)		
		eLQ	03 03 14	LR	31	2.7 (3)		
		eLR	03 13 20	LZ	25	1.4 (3)		
6	MV	eSP	02 40 00	LZ	28	1.5 (3)	100.0	
		eLR	02 58 22	LZ	31	4.5 (3)		
6	02	55 54.0	02.5 S 138.6 E WESTERN NEW GUINEA H = 32 KM MAG 4.80- CGS					
6	NP	eP	03 09 14.5	JZ	1	2.1 (1)	95.0	5.53
		e	03 09 18	JZ	1.4	1.0 (2)		
6	LC	ePKKP	03 25 35	Z	1.2	3.9 (0)	112.0	
6	03	00 12.2	02.2 S 138.7 E WESTERN NEW GUINEA H = 43 KM MAG 5.10- CGS					
6	NP	eP	03 13 31.0	JZ	1.2	1.0 (2)	95.0	6.14
		eLR	03 46 50	LZ	28	2.4 (3)		
6	LC	ePKKP	03 29 47	Z	1.1	7.8 (0)	112.0	
6	04	06 45.4	02.4 S 138.6 E WESTERN NEW GUINEA H = 22 KM MAG 5.30- CGS					
6	LC	ePKKP	04 36 24	Z	1.1	3.1 (0)	112.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	NP	eLR	04 23 40	LZ	30	2.0 (3)		
6	04 35 09.3		02.5 S 138.4 E WESTERN NEW GUINEA H = 33 KM					
6	NP	eP	04 48 30.2	JZ	.8	1.0 (1)	95.0	5.34
6	NP	eP	05 20 07.8	JZ	1	2.1 (1)		
6	06 28 55.3		30.8 S 179.9 E KERMADEC ISLANDS REGION H =411 KM MAG 4.70- CGS					
6	07 35 25.6		02.5 S 138.6 E WESTERN NEW GUINEA H = 38 KM MAG 5.50- CGS					
6	NP	eP	07 48 45.3	JZ	1	2.1 (1)	95.0	5.53
6	LC	eLR	08 27 00	LZ	25	2.0 (2)	112.0	
6	RK	eLR	08 30 27	LZ	24	4.2 (2)	115.0	
6	LV	eLR	08 34 10	LZ	26	2.1 (2)	124.0	
6	DH	eLR	08 40 32	LZ	25	2.0 (2)	130.0	
6	HW	eP	08 01 16.8	Z	0.2	9.4 (1)		0.8
		eS	08 01 28	T	0.3	3.2 (2)		
6	08 08 09.2		45.0 N 150.9 E KURILE ISLANDS H = 40 KM MAG 4.80- CGS					
6	RK	eP	08 35 37.2	Z	0.9	5.3 (1)		
6	RK	e	08 36 06	Z	0.7	1.2 (1)		
6	09 01 12.0		07.1 S 129.2 E BANDA SEA H = 90 KM MAG 5.50- CGS					
6	LC	eP'	09 20 00.0	Z	1.1	6.3 (0)	123.0	
		ePKKP	09 29 55	Z	1.0	3.6 (0)		
6	09 24 49.2		46.3 N 154.8 E NEAR WEST COAST KAMCHATKA H = 33 KM MAG 5.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	NP	eP	09 32 59.7	JZ	1.2	1.5 (2)	45.0	5.73
6	MV	eP	09 34 49.8	Z	0.9	2.6 (1)	59.0	5.27
		e	09 35 38	Z	0.8	7.9 (0)		
6	LC	eP	09 36 16.8	Z	1.2	4.3 (1)	73.0	5.36
6	DH	eP	09 37 03.8	Z	0.7	6.2 (1)	81.0	5.68
6	LV	eP	09 37 05.2	Z	0.9	4.8 (1)	81.0	5.47
6	HW	eLR	09 45 35	LZ	28	7.6 (2)	48.0	
							AVG.	5.50
6	10 53 00.1		03.0 S 138.7 E WESTERN NEW GUINEA H = 16 KM MAG 5.80- CGS					
6	NP	eP	11 06 20.1	JZ	1	2.1 (1)	96.0	5.63
6	LC	ePKKP	11 22 33	Z	1.0	2.4 (0)	112.0	
6	LV	eLR	11 55 27	LZ	20	2.3 (2)	124.0	
6	11 33 08.0		02.8 S 139.1 E WESTERN NEW GUINEA H = 95 KM MAG 5.20- CGS					
6	LC	eLR	11 46 10	LZ	18	9.9 (1)		
6	DH	eP	15 22 26.0	Z	0.2	4.8 (0)		1.5
		eS	15 22 46	R	0.4	1.6 (1)		
6	LC	eP	15 52 41.6	Z	0.2	2.3 (0)		2.4
		eS	15 53 12	T	0.3	4.5 (0)		
6	DH	eP	16 16 43.4	Z	0.2	9.7 (0)		2.5
		eS	16 17 15	R	0.4	1.2 (1)		
6	NP	eP	16 28 57.8	JZ	.7	1.4 (1)		
6	DH	eP	17 01 57.9	Z	0.2	4.8 (0)		2.7
		eS	17 02 32	T	0.3	6.9 (0)		
6	RK	eP	17 04 14.8	Z	0.3	8.9 (0)		
6	RK	e	17 05 06	R	0.3	4.4 (1)		
6	17 07 22.0		09.8 S 113.6 E NEAR SOUTH COAST OF JAVA H =230 KM					
6	RK	eP	18 02 33.5	Z	0.2	5.5 (0)		4.3
		eS	18 03 26	R	0.4	1.5 (1)		
6	DH	eP	18 26 47.8	Z	0.2	4.8 (0)		1.7
		eS	18 27 12	T	0.3	2.4 (1)		
6	18 33 25.9		16.7 S 69.7 W PERU BOLIVIA BORDER H =174 KM MAG 4.70- CGS					
6	MV	eP	18 44 42.4	Z	0.8	3.9 (0)	74.0	4.22

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	LC	eP	20 06 35.6	Z	0.2	2.4 (1)	0.5	
		eS	20 06 54	R	0.2	1.8 (1)		
6	DH	eP	20 08 01.3	Z	0.2	9.7 (0)	1.8	
		eS	20 08 25	R	0.3	2.3 (1)		
6	NP	eP	21 18 48.2	JZ	.6	1.2 (1)		
6	LC	eP	21 24 23.5	Z	0.2	6.9 (0)	1.5	
		eS	21 24 43	T	0.2	1.1 (1)		
6	21 49 58.0		12.2 N 88.0 W OFF COAST OF EL SALVADOR H = 37 KM MAG 4.10- CGS					
6	LC	eP	21 51 57.3	Z	0.5	.4 (0)		
6	LC	eL	21 55 31	R	0.6	7.7 (0)		
6	NP	eP	23 19 54.8	JZ	.5	7.6 (0)		
6	23 55 10.1		07.0 S 129.7 E BANDA SEA H =229 KM MAG 5.30- CGS					
7	00 46 53.1		42.7 N 149.3 E KURILE ISLANDS H = 30 KM MAG 4.10- CGS					
7	NP	eP	02 14 38.8	JZ	.8	3.9 (0)		
7	02 42 57.8		02.5 S 138.7 E WESTERN NEW GUINEA H = 69 KM MAG 4.90- CGS					
7	LC	eL	03 34 10	LZ	28	2.9 (2)	112.0	
7	LV	eL	03 40 56	LZ	30	2.2 (2)	124.0	
7	LC	eL	02 50 09	LZ	23	7.8 (1)		
7	MV	eL	02 52 25	LZ	21	2.3 (2)		
7	03 24 59.3		44.8 N 150.1 E KURILE ISLANDS H = 40 KM MAG 4.00- CGS					
7	06 12 22.8		36.5 N 141.7 E OFF E. COAST HONSHU, JAPAN H = 49 KM MAG 3.40- CGS					
7	NP	eP	06 22 04.3	JZ	1	5.0 (0)	57.0	4.50

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	09 03 53.4		44.2 N 149.7 E KURILE ISLANDS H = 45 KM MAG 4.00- CGS					
7	RK	eP	09 15 05.0	Z	0.8	2.5 (0)	71.0	4.27
		e	09 25 04	Z	0.8	2.5 (0)		
7	09 22 53.3		44.2 N 151.1 E KURILE ISLANDS H = 50 KM MAG 4.40- CGS					
7	NP	eP	09 31 24.5	JZ	1.7	3.8 (1)	47.0	5.11
7	RK	eP	09 33 59.6	Z	0.8	6.3 (0)	70.0	4.65
7	LC	eP	09 34 37.9	Z	1.0	4.9 (0)	76.0	4.44
							AVG.	4.73
7	12 55 25.6		14.1 N 146.2 E MARIANA ISLANDS REGION H = 48 KM MAG 5.00- CGS					
7	NP	eP	13 07 16.2	JZ	.8	1.3 (1)	77.0	4.97
		eL	13 34 01	LZ	24	2.5 (2)		
7	MV	eP	13 07 48.0	Z	2.0	7.3 (1)	83.0	5.42
		e	13 09 59	Z	1.0	3.6 (1)		
7	LC	eP	13 09 02.5	Z	1.0	3.6 (0)	97.0	4.91
		e	13 11 13	Z	0.9	1.1 (1)		
		eL	13 40 51	LZ	27	2.5 (2)		
7	RK	eS	13 20 15	LR	19	3.1 (2)	97.0	
		eL	13 43 07	LT	22	3.8 (2)		
		eL	13 47 10	LT	20	3.5 (2)		
7	HW	eL	13 20 29	LZ	28	1.1 (3)	56.0	
7	LV	eL	13 48 39	LZ	25	3.8 (2)	108.0	
7	DH	eL	13 58 07	LZ	23	1.5 (3)	112.0	
							AVG.	5.10
7	15 12 34.5		45.5 N 150.0 E KURILE ISLANDS H = 40 KM MAG 4.10- CGS					
7	15 53 41.9		24.2 S 176.4 W TONGA ISLANDS REGION H = 33 KM MAG 5.10- CGS					
7	MV	eP	16 05 57.7	Z	1.0	8.2 (0)	81.0	4.65
7	LC	eP	16 06 28.3	Z	1.1	2.5 (1)	87.0	5.29
		eL	16 33 55	LZ	20	9.7 (1)		
							AVG.	4.97

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	16 26 37.8		11.3 S 166.1 E SANTA CRUZ ISLANDS H = 89 KM MAG 4.90- CGS					
7	MV	eP	16 39 00.7	Z	0.7	6.6 (0)	84.0	4.71
		e	16 40 39	Z	0.5	6.1 (0)		
		e	16 40 51	Z	0.6	1.2 (1)		
		eL	17 04 55	LZ	33	4.4 (2)		
7	HW	eL	16 48 45	LZ	25	4.9 (2)	49.0	
7	16 45 59.8		50.2 S 114.9 W SOUTH PACIFIC OCEAN H = 33 KM MAG 4.70- CGS					
7	LC	eP	16 58 22.0	Z	1.0	3.6 (0)	83.0	4.47
		eL	17 25 58	LZ	19	2.0 (3)		
		eL	17 26 39	LT	20	2.2 (3)		
		eL	17 26 39	LR	23	9.4 (2)		
		eL	17 26 39	LZ	28	2.1 (3)		
7	LV	eL	17 18 45	LZ	24	3.9 (2)	84.0	
7	HW	eL	17 21 55	LZ	22	1.4 (3)	79.0	
7	MV	eL	17 27 35	LZ	24	1.9 (3)	89.0	
7	DH	eL	17 29 00	LZ	40	1.5 (3)	98.0	
7	NP	eL	17 47 19	LZ	24	5.7 (2)	126.0	
7	LC	eP	17 06 54.5	Z	0.3	1.3 (1)	1.3	
		eS	17 07 12	R	0.4	3.4 (0)		
7	LC	eL	17 09 27	LZ	25	3.3 (2)		
7	17 34 58.0		24.4 S 176.0 W TONGA ISLANDS REGION H = 33 KM MAG 4.50- CGS					
7	LC	eP	17 47 42.3	Z	1.0	4.9 (0)	87.0	4.62
7	18 55 48.1		36.0 N 25.4 E NORTH OF CRETE H = 33 KM MAG 4.00- CGS					
7	20 15 22.5		29.4 S 178.1 W KERMADEC ISLANDS H =110 KM MAG 3.80- CGS					
7	MV	eP	20 27 53.0	Z	0.8	6.1 (0)	86.0	4.57
7	NP	eL	21 05 55	LZ	21	1.9 (2)	111.0	
7	20 37 53.6		44.9 N 151.9 E KURILE ISLANDS H = 29 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	MV	eL	21 10 58	LZ	20	1.4 (2)	62.0	
7	RK	eL	21 14 28	LZ	29	3.8 (2)	69.0	
7	MV	eP	23 50 47.0	Z	0.3	1.8 (0)	1.2	
		eS	23 51 03	T	0.3	8.6 (0)		
8	02 56 40.0		27.3 S 70.1 W CENTRAL CHILE H = 40 KM MAG 4.60- CGS					
8	LC	eP	03 07 41.9	Z	0.9	7.6 (0)	69.0	4.77
8	RK	eP	03 08 50.3	Z	0.5	6.4 (0)	81.0	4.83
							AVG.	4.80
8	04 24 14.4		23.0 S 170.9 E NEW HEBRIDES ISLANDS REG. H = 35 KM MAG 4.80- CGS					
8	05 05 03.0		21.5 S 179.7 W FIJI ISLANDS H =659 KM MAG 4.60- CGS					
8	HW	eP	05 12 40.2	Z	0.7	3.9 (1)	47.0	5.00
8	LC	eP	05 16 46.9	Z	0.8	8.3 (0)	88.0	4.50
							AVG.	4.75
8	LC	eP	06 01 26.5	Z	1.0	3.6 (0)		
8	08 08 09.2		45.0 N 150.9 E KURILE ISLANDS H = 40 KM MAG 4.80- CGS					
8	NP	eP	08 16 34.3	JZ	.8	5.1 (0)	47.0	4.59
		eL	08 32 49	LZ	29	2.4 (2)		
8	RK	eP	08 19 13.2	Z	0.8	7.9 (0)	69.0	4.84
8	LC	eP	08 19 52.9	Z	0.9	1.9 (0)	76.0	4.11
8	LV	eP	08 20 52.3	Z	0.8	1.9 (1)	84.0	5.26
8	HW	eL	08 31 27	LZ	26	4.1 (2)	50.0	
							AVG.	4.70
8	09 59 24.3		16.5 S 28.5 E NORTHERN RHODESIA H = 33 KM MAG 5.50- CGS					
8	LC	eP'	10 18 39.2	Z	0.9	1.9 (0)	137.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	MV	eP'1	10 19 00.7	Z	0.9	2.3 (1)	145.0	
8	11 06 01.2		26.7 N 110.4 W GULF OF CALIFORNIA H = 33 KM MAG 4.40- CGS					
8	LC	eP	11 07 38.2	Z	0.6	1.0 (0)	7.0	3.87
		eL	11 09 36	T	0.7	9.4 (0)		
		eL	11 09 36	LR	14	1.5 (3)		
8	MV	eL	11 14 30	LT	30	6.7 (2)	15.0	
8	11 22 28.5		44.0 N 150.4 E KURILE ISLANDS H = 40 KM MAG 4.30- CGS					
8	RK	eP	14 46 37.5	Z	0.6	2.7 (0)		
8	LC	eP	14 51 32.8	Z	0.5	.9 (0)		
8	LC	eL	14 53 31	R	0.6	2.0 (0)		
8	HW	eL	15 02 57	LZ	17	3.1 (2)		
8	NP	eP	16 08 51.5	JZ	.7	9.0 (0)		
8	16 13 36.2		02.7 N 128.4 E MOLUCCA PASSAGE H =216 KM MAG 5.70- CGS					
8	NP	eP	16 26 23.7	JZ	1.4	2.4 (1)	93.0	5.12
8	RK	eP	17 08 42.2	Z	0.2	4.0 (0)	2.3	
		eS	17 09 11	R	0.3	1.0 (1)		
8	DH	eP	17 54 00.0	Z	0.4	2.2 (1)	1.7	
		eS	17 54 23	T	0.4	4.5 (1)		
8	MV	eL	18 24 55	LT	30	1.2 (3)		
8	19 22 54.7		03.7 S 78.2 W ECUADOR H = 33 KM MAG 4.50- CGS					
8	LC	eP	19 31 09.3	Z	0.8	3.7 (0)	45.0	4.31
8	LC	eP	20 03 09.8	Z	0.2	1.2 (1)	1.4	
		eS	20 03 29	T	0.4	2.6 (0)		
8	MV	eP	21 53 27.1	Z	0.4	9.5 (0)	1.1	
		eS	21 53 43	T	0.4	1.1 (1)		
8	MV	eP	21 55 49.5	Z	0.5	2.5 (0)		
8	MV	eP	23 31 00.3	Z	0.5	2.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	MV	e	23 32 00	T	0.5	4.1 (0)		
9	01 13 13.1		11.9 S 166.6 E SANTA CRUZ ISLANDS H =112 KM MAG 4.30- CGS					
9	MV	eP	01 25 32.6	Z	0.6	2.6 (0)	84.0	4.32
		e	01 25 59	Z	0.8	3.8 (0)		
		eL	02 02 37	LZ	23	2.9 (2)		
9	LV	eLR	01 53 02	LZ	26	3.0 (2)	106.0	
9	LC	eL	02 00 38	LZ	18	2.4 (2)	94.0	
9	NP	eP	01 31 08.8	JZ	.6	3.0 (0)		
9	RK	eP	01 33 47.8	Z	0.6	4.0 (1)		
9	RK	e	01 33 55	LR	18	2.5 (2)		
9	LC	eP	01 34 28.2	Z	0.7	1.2 (0)		
9	RK	e	01 37 11	Z	0.9	1.8 (1)		
9	NP	e	01 37 14	JZ	.8	6.4 (0)		
9	LC	e	01 39 49	Z	1.1	3.1 (0)		
9	RK	e	01 40 45	LR	25	3.3 (2)		
9	DH	eL	01 45 03	LZ	19	1.1 (3)		
9	RK	eL	01 48 00	LR	20	5.3 (2)		
9	RK	e	02 41 27	LZ	45	2.4 (3)		
9	02 46 44.5		56.8 N 34.6 W SOUTH OF ICELAND H = 33 KM MAG 4.80- CGS					
9	RK	eP	02 53 29.6	Z	1.0	7.1 (1)	34.0	5.52
		eS	02 59 00	LR	19	4.8 (2)		
		eLR	03 02 53	LZ	30	2.6 (3)		
9	NP	eP	02 53 31.5	JZ	1.4	4.9 (1)	35.0	5.25
		eLQ	03 02 45	LR	23	9.1 (2)		
		eLR	03 04 03	LZ	29	1.3 (3)		
9	LC	eP	02 56 06.0	Z	1.4	2.0 (1)	54.0	4.97
		eS	03 03 33	LR	18	3.2 (2)		
		eS	03 03 33	LT	24	1.6 (3)		
		eLR	03 12 30	LZ	33	9.6 (2)		
9	MV	eP	02 56 24.5	Z	1.0	6.2 (0)	57.0	4.60
		e	03 04 10	LZ	20	5.7 (2)		
		eSS	03 08 08	LR	27	3.6 (2)		
		eLR	03 13 30	LZ	50	2.0 (3)		
		eL	03 19 43	LR	17	2.5 (3)		
		eL	03 19 43	LT	19	8.3 (2)		
		eL	03 19 43	LZ	17	2.8 (3)		
9	DH	e	02 58 42	LT	24	5.3 (2)	29.0	
		eLR	03 00 48	LZ	26	4.4 (3)		
		eL	03 02 55	LT	21	3.8 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	03 02 55	LZ	999.9	99.9 (9)		
9	HW	eLR	03 35 10	LZ	18	3.7 (2)	89.0	
							AVG.	5.08
9	RK	e	02 48 45	LR	25	2.3 (2)		
9	RK	e	02 52 22	LR	22	3.0 (2)		
9	05 37 15.1		05.6 S 105.5 E SUMATRA					
			H = 33 KM MAG 4.80- CGS					
9	MV	eP'	05 56 17.3	Z	1.2	1.2 (1)	126.0	
9	NP	eP	06 58 32.0	JZ	.7	3.3 (0)		
9	HW	eP	08 18 45.1	Z	0.2	1.3 (2)	0.6	
		eS	08 18 54	R	0.3	4.3 (2)		
9	08 35 25.3		45.6 N 150.0 E KURILE ISLANDS					
			H = 45 KM MAG 4.20- CGS					
9	DH	eLR	09 22 03	LZ	20	8.5 (2)	84.0	
9	08 51 18.6		45.3 N 150.8 E KURILE ISLANDS					
			H = 33 KM MAG 5.20- CGS					
9	NP	eP	08 59 43.2	JZ	1	4.1 (1)	47.0	5.42
		e	09 01 18	JZ	.9	7.2 (0)		
		eLR	09 15 25	LZ	23	3.5 (2)		
9	MV	eP	09 01 39.0	Z	1.2	1.2 (1)	62.0	4.96
		e	09 01 52	Z	1.0	6.2 (0)		
		ePCP	09 02 19	Z	0.8	5.8 (0)		
9	RK	eP	09 02 22.4	Z	0.7	1.2 (1)	69.0	5.10
9	LC	eP	09 03 02.9	Z	0.8	9.0 (0)	76.0	4.86
		eLR	09 27 32	LZ	20	9.1 (1)		
9	DH	eP	09 03 45.5	Z	0.8	3.3 (1)	84.0	5.52
9	LV	eP	09 03 49.0	Z	0.8	3.0 (1)	84.0	5.48
9	HW	eLR	09 14 57	LZ	28	5.1 (2)	51.0	
							AVG.	5.22
9	11 13 30.6		45.6 N 150.9 E KURILE ISLANDS					
			H = 40 KM MAG 4.40- CGS					
9	NP	eP	11 21 51.5	JZ	1	6.6 (0)	46.0	4.54

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	RK	eP	11 24 31.9	Z	0.7	3.5 (0)	69.0	4.55
9	LC	eP	11 25 12.2	Z	0.8	1.5 (0)	75.0	4.00
							AVG.	4.36
9	12 54 30.3		00.1 S 25.1 W ATLANTIC OCEAN					
			H = 33 KM MAG 5.20- CGS					
9	RK	eP	13 06 19.4	Z	0.8	7.3 (0)	77.0	4.76
9	LC	eP	13 06 54.0	Z	0.8	3.7 (0)	83.0	4.58
9	NP	eP	13 07 32.8	JZ	1	1.3 (1)	91.0	5.19
							AVG.	4.84
9	DH	eP	14 00 41.9	Z	0.2	1.0 (1)	1.5	
		eS	14 01 02	R	0.3	2.6 (1)		
9	RK	eP	17 08 50.0	Z	0.2	5.5 (0)	4.1	
		eS	17 09 40	R	0.2	3.3 (1)		
9	18 50 42.0		07.1 S 129.4 E BANDA SEA					
			H = 80 KM MAG 5.20- CGS					
9	LC	eP	19 34 32.1	Z	0.3	1.3 (1)	1.5	
		eS	19 34 52	T	0.3	2.1 (1)		
9	DH	eP	20 17 32.5	Z	0.2	5.0 (0)	1.6	
		eS	20 17 55	R	0.3	9.9 (0)		
9	20 21 32.4		11.2 S 165.6 E SANTA CRUZ ISLANDS					
			H = 47 KM MAG 4.80- CGS					
9	21 15 30.4		09.0 S 71.5 W WESTERN BRAZIL					
			H =600 KM MAG 6.75-7.00 PAS					
9	LV	eP	21 22 56.9	Z	0.8	1.8 (2)	45.0	5.66
		eP	21 22 57	LZ	999.9	99.9 (9)		
		e	21 23 01	Z	1.0	8.0 (2)		
		eSCP	21 27 36	Z	1.4	1.2 (3)		
		eS	21 29 03	T	1.5	3.5 (3)		
		eP'P'	21 53 44	Z	1.0	3.2 (1)		
		eP'P'2	21 55 29	Z	2.0	6.3 (2)		
9	DH	eP	21 23 39.4	Z	1.0	2.2 (2)	51.0	5.55
		eP	21 23 40	LZ	999.9	99.9 (9)		
		e	21 23 44	Z	0.8	4.9 (2)		
		e	21 24 58	Z	1.2	1.6 (3)		
		eS	21 30 20	LR	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	21 30 23	T	3.4	1.1 (4)		
		e	21 30 32	T	2.4	3.9 (3)		
		eSCS	21 32 35	LR	999.9	99.9 (9)		
		eSCS	21 32 37	R	1.6	9.8 (2)		
		e	21 53 32	Z	1.0	2.1 (1)		
		eP'P'	21 54 12	Z	1.4	1.5 (2)		
		e	22 01 05	Z	1.2	5.2 (1)		
9	LC	eP	21 23 54.0	Z	0.8	6.5 (1)	53.0	5.11
		eP	21 23 55	LZ	999.9	99.9 (9)		
		eS	21 30 43	T	2.3	1.1 (3)		
		eSCS	21 32 45	T	2.3	1.4 (3)		
		e	21 47 08	Z	1.3	1.2 (1)		
		eP'P'	21 53 46	Z	1.0	1.8 (1)		
		e	22 00 39	Z	0.8	3.0 (0)		
		e	22 01 17	Z	0.8	1.1 (1)		
		e	22 03 22	Z	0.8	4.5 (0)		
9	RK	eP	21 24 57.0	Z	0.8	4.4 (1)	63.0	4.84
		eP	21 24 58	LZ	999.9	99.9 (9)		
		e	21 32 40	Z	1.0	2.3 (2)		
		e	21 35 52	Z	1.9	5.5 (2)		
		e	21 36 02	Z	1.4	2.6 (3)		
		e	21 53 17	Z	0.5	4.4 (1)		
		eP'P'	21 53 56	Z	1.0	1.0 (3)		
		e	22 01 50	Z	0.6	2.0 (1)		
		eP'P'P'	22 12 56	Z	1.3	9.4 (1)		
9	MV	eP	21 25 23.6	Z	0.7	5.5 (1)	67.0	5.10
		eP	21 25 24	LZ	999.9	99.9 (9)		
		epP	21 27 35	Z	0.8	8.7 (1)		
		e	21 32 15	LR	999.9	99.9 (9)		
		eS	21 33 40	LT	999.9	99.9 (9)		
		eS	21 33 42	T	3.8	7.6 (3)		
		e	21 46 03	Z	1.0	1.1 (1)		
		e	21 51 18	Z	0.8	2.9 (0)		
		e	21 53 08	Z	1.0	3.6 (1)		
		eP'P'	21 53 47	Z	1.2	8.8 (1)		
		e	21 55 51	Z	1.6	4.8 (1)		
		eSKPP'	21 56 18	Z	1.0	4.0 (1)		
		e	22 02 18	Z	0.7	1.5 (0)		
		e	22 04 35	Z	1.8	2.3 (1)		
		eP'P'P'	22 12 44	Z	1.6	1.0 (1)		
9	HW	eP	21 27 18.1	Z	0.8	7.4 (1)	88.0	5.57
		eP	21 27 20	LZ	999.9	99.9 (9)		
		epP	21 29 28	Z	1.5	1.0 (3)		
		epP	21 29 29	LZ	999.9	99.9 (9)		
		ePPP	21 33 00	LZ	999.9	99.9 (9)		
		eSKS	21 36 50	LR	999.9	99.9 (9)		
		eSKS	21 36 57	R	1.3	3.6 (2)		
		e	21 45 08	Z	0.8	4.9 (1)		
9	NP	eP	21 27 25.4	JZ	999.9	99.9 (9)	90.0	
		eP	21 27 26	LZ	22	99.9 (9)		
		epP	21 29 45	LZ	25	1.4 (4)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	21 37 00	T	999.9	99.9 (9)		
		eSKS	21 37 00	LT	18	99.9 (9)		
		e	21 37 30	LZ	15	99.9 (9)		
		e	21 41 00	LT	33	99.9 (9)		
		e	22 09 31.5	JZ	.8	5.1 (0)		
		e	22 13 27	JZ	1.5	3.2 (1)		
		eP'P'P'	22 13 46	JZ	2.2	2.7 (2)		
							AVG.	5.30
9	23 14 12.6		08.5 S 72.1 W WESTERN BRAZIL H =563 KM MAG 4.40- CGS					
9	LC	eP	23 22 34.5	Z	0.9	6.7 (0)	52.0	4.03
		ePCP	23 23 33	Z	0.9	3.8 (0)		
		e	23 26 34	Z	1.2	7.9 (0)		
9	MV	eP	23 24 04.5	Z	0.7	3.9 (0)	66.0	4.03
9	NP	eP	23 26 05.5	JZ	.7	1.1 (1)	89.0	
		epP	23 28 14	JZ	.8	6.4 (0)		
							AVG.	4.03
10	00 30 31.2		02.0 S 139.1 E WESTERN NEW GUINEA H =129 KM MAG 4.80- CGS					
10	01 00 38.8		09.2 S 71.5 W WESTERN BRAZIL H =600 KM MAG 6.50-6.75 PAS					
10	LV	eP	01 08 05.9	Z	0.9	4.2 (2)	45.0	5.97
		e	01 08 17	Z	0.9	2.0 (2)		
		e	01 08 59	LZ	18	3.5 (3)		
		ePCP	01 09 33	Z	0.9	1.5 (2)		
		ePCP	01 09 33	LZ	28	2.2 (3)		
		e	01 10 44	LZ	21	2.5 (3)		
		eSCP	01 12 31	Z	0.9	1.4 (2)		
		eSCP	01 12 34	LZ	15	5.8 (3)		
		eS	01 14 01	R	1.2	4.2 (2)		
		e	01 14 49	R	1.5	2.4 (3)		
10	DH	eP	01 08 48.9	Z	0.8	2.5 (2)	51.0	5.70
		eP	01 08 50	LZ	16	5.0 (3)		
		ePCP	01 09 43	Z	1.0	3.1 (2)		
		ePCP	01 09 45	LZ	14	2.2 (3)		
		e	01 09 54	Z	0.8	2.2 (2)		
		epP	01 10 35	LZ	15	2.7 (3)		
		e	01 11 33	LZ	20	2.0 (3)		
		eS	01 15 08	LT	26	99.9 (9)		
		e	01 15 24	T	1.8	3.8 (2)		
		eSCS	01 17 35	R	1.2	1.0 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSCS	01 17 35	LT	21	2.4 (3)		
		e	01 18 18	LT	22	8.7 (3)		
10	LC	eP	01 09 03.4	Z	0.9	6.8 (1)	53.0	5.57
		e	01 10 04	Z	1.3	2.8 (2)		
		epP	01 10 55	Z	1.3	2.2 (2)		
		e	01 13 05	Z	1.0	3.0 (2)		
		eS	01 15 51	R	1.2	3.9 (2)		
		eSCS	01 17 53	R	1.9	3.2 (2)		
		eSS	01 19 44	R	1.4	9.9 (1)		
10	RK	eP	01 10 06.0	Z	0.3	4.9 (1)	63.0	5.32
		eP	01 10 10	LZ	20	2.6 (3)		
		e	01 17 47	R	0.5	3.1 (1)		
		e	01 18 40	R	1.0	9.7 (1)		
		eSCS	01 19 03	R	0.5	4.5 (1)		
		e	01 36 40	Z	0.5	1.8 (0)		
		e	01 39 01	Z	1.0	1.2 (1)		
		eP'P'	01 39 06	Z	1.3	4.3 (1)		
10	MV	eP	01 10 33.1	Z	1.0	1.5 (2)	67.0	5.39
		eP	01 10 34	LZ	17	2.4 (3)		
		e	01 12 35	LZ	19	1.9 (3)		
		eS	01 18 40	T	4.1	3.0 (3)		
		eS	01 18 42	LT	21	99.9 (9)		
		e	01 18 57	T	3.8	1.1 (3)		
		e	01 19 31	T	3.5	8.1 (2)		
		esS	01 22 12	LR	28	99.9 (9)		
		eSS	01 23 25	LT	21	99.9 (9)		
		e	01 26 43	LR	28	99.9 (9)		
		e	01 29 14	LT	24	4.2 (3)		
		e	01 33 21	Z	1.0	3.3 (0)		
		e	01 38 11	Z	0.9	2.6 (0)		
		e	01 38 50	Z	1.1	8.6 (0)		
		e	01 41 10	Z	1.0	3.3 (0)		
10	HW	eP	01 12 28.2	Z	0.9	1.2 (2)	88.0	5.75
		eSKS	01 22 00	LT	19	5.2 (3)		
		e	01 23 17	LR	21	7.3 (3)		
		e	01 31 47	LZ	22	5.1 (3)		
10	NP	eP	01 12 34.8	JZ	.8	1.1 (2)	90.0	5.87
		eP	01 12 35	LZ	19	1.9 (3)		
		e	01 14 08	JZ	.8	9.5 (1)		
		e	01 14 17	JZ	.7	1.0 (2)		
		epP	01 14 42	JZ	.8	1.2 (2)		
		epP	01 14 42	LZ	20	1.4 (3)		
		e	01 15 06	JZ	.8	9.2 (1)		
		e	01 15 32	JZ	.8	7.9 (1)		
		e	01 22 08	R	0.9	2.9 (2)		
		e	01 22 09	LR	17	3.7 (3)		
		eSKS	01 22 35	LR	14	1.8 (4)		
		eSKS	01 22 38	R	1.1	3.4 (2)		
		esP	01 23 40	JZ	1	1.3 (2)		
		esP	01 23 42	LZ	23	3.8 (3)		
		e	01 26 08	LR	22	2.8 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	01 28 50	LT	25	4.3 (3)		
		e	01 30 07	JZ	.6	8.2 (0)		
		esSS	01 32 00	LT	21	2.4 (3)		
		eL	01 42 40	LZ	25	1.9 (3)		
							AVG.	5.65
10			01 36 41.3	09.4 S	71.3 W	WESTERN BRAZIL		
				H =600 KM	MAG	4.10- CGS		
10	LC	eP	01 45 08.0	Z	0.6	1.5 (0)	53.0	3.61
		e	01 46 21	Z	1.1	9.3 (0)		
10	LC	eP	03 00 41.5	Z	0.4	.8 (0)		
10	LC	eP	03 37 30.0	Z	0.4	1.5 (1)		
10	LC	eS	03 37 55	T	0.6	4.2 (1)		
10			04 31 50.5	06.9 S	129.3 E	BANDA SEA		
				H =181 KM	MAG	4.40- CGS		
10			04 58 52.7	26.5 N	93.2 E	NORTHEASTERN INDIA		
				H = 66 KM				
10	LC	eP	05 02 08.2	Z	0.7	2.4 (0)		
10	LC	eP	05 18 06.0	Z	0.3	.9 (0)		
10	LC	e	05 20 08	Z	0.6	3.6 (0)		
10			07 18 07.6	12.9 N	88.5 W	OFF COAST OF EL SALVADOR		
				H = 45 KM	MAG	4.20- CGS		
10	LC	eP	07 23 35.5	Z	0.5	2.3 (0)	26.0	4.02
10			08 50 06.1	44.5 N	149.4 E	KURILE ISLANDS		
				H = 45 KM	MAG	4.90- CGS		
10	NP	eP	08 58 38.2	JZ	1	2.0 (1)	48.0	5.08
10	MV	eP	09 00 32.3	Z	1.1	6.5 (0)	63.0	4.58
10	RK	eP	09 01 16.0	Z	0.6	6.2 (0)	70.0	4.78
10	LC	eP	09 01 55.9	Z	0.7	3.0 (0)	77.0	4.40
10	LV	eP	09 02 43.6	Z	1.1	4.1 (1)	86.0	5.38
							AVG.	4.84

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10		11 18 32.0	36.5 N 25.9 E AEGEAN ISLANDS REGION H = 34 KM MAG 4.50- CGS					
10		14 44 32.0	45.1 N 151.9 E KURILE ISLANDS H = 40 KM MAG 4.20- CGS					
10		15 58 35.0	47.4 N 147.4 E KURILE ISLANDS H = 40 KM MAG 4.20- CGS					
10		17 17 42.7	44.4 N 149.0 E KURILE ISLANDS H = 40 KM MAG 5.50- CGS					
10	NP	eP	17 26 15.0	JZ	1.3	7.2 (1)	48.0	5.53
		eP	17 26 17	LZ	17	2.4 (3)		
		ePP	17 28 05	LZ	21	1.9 (3)		
		eS	17 33 13	T	1.4	7.1 (1)		
		eS	17 33 16	LR	21	3.2 (3)		
		e	17 34 20	LR	24	2.2 (3)		
		eLQ	17 39 00	LR	36	6.0 (3)		
		eLR	17 41 27	LZ	29	6.5 (3)		
		eL	17 47 02	LT	22	1.0 (4)		
		eL	17 47 02	LR	19	6.1 (3)		
		eL	17 47 02	LZ	23	9.6 (3)		
10	HW	eP	17 26 50	LZ	22	7.8 (2)	52.0	
		e	17 29 11	LZ	16	9.5 (2)		
		eS	17 34 10	LT	23	9.4 (3)		
		eSCS	17 36 41	LT	16	3.7 (3)		
		eLQ	17 39 10	LT	22	7.7 (3)		
		eLR	17 41 15	LZ	24	8.3 (3)		
10	MV	eP	17 28 10.5	Z	0.7	1.7 (0)	64.0	4.27
		eP	17 28 12	LZ	23	1.0 (3)		
		e	17 28 14	Z	0.7	8.5 (0)		
		eS	17 36 45	LT	21	3.0 (3)		
		eSCS	17 38 05	LT	19	2.3 (3)		
		eSS	17 40 51	LT	20	2.4 (3)		
		eLQ	17 43 50	LT	20	3.0 (3)		
		eLR	17 47 21	LZ	23	3.0 (3)		
10	RK	eP	17 28 57.0	Z	0.7	1.7 (2)	71.0	6.18
		eP	17 28 58	LZ	31	2.5 (3)		
		eS	17 38 00	LR	27	3.3 (3)		
		eSS	17 42 55	LR	30	2.8 (3)		
		eLQ	17 46 15	LR	25	2.1 (3)		
		eLR	17 50 10	LR	25	3.2 (3)		
10	LC	eP	17 29 33.2	Z	0.8	2.8 (1)	77.0	5.34
		eP	17 29 35	LZ	20	1.2 (3)		
		ePP	17 32 40	LZ	17	8.1 (2)		
		eS	17 39 20	LT	25	2.9 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	17 39 24	T	3.5	2.0 (2)		
		eSS	17 42 00	LT	22	4.3 (2)		
		eL	17 51 30	LT	999.9	99.9 (9)		
		eL	17 53 50	LZ	18	1.4 (3)		
10	DH	eP	17 30 14.9	Z	0.6	4.5 (0)	85.0	4.76
		eP	17 30 15	LZ	18	1.7 (3)		
		e	17 30 18	Z	0.7	6.5 (1)		
		eS	17 40 39	LR	27	2.7 (3)		
		eLQ	17 55 45	LR	21	2.6 (3)		
		eLR	18 02 04	LZ	28	6.2 (3)		
		eL	18 06 39	LT	24	6.6 (3)		
		eL	18 06 39	LR	22	8.3 (3)		
		eL	18 06 39	LZ	25	99.9 (9)		
10	LV	eP	17 30 22.7	Z	0.8	9.0 (1)	86.0	5.88
		eP	17 30 23	LZ	17	1.9 (3)		
		e	17 30 39	Z	0.9	1.2 (2)		
		eL	18 07 18	LZ	21	3.3 (3)		
							AVG.	5.32
10		18 06 44.0	44.0 N 147.3 E KURILE ISLANDS H = 45 KM MAG 4.40- CGS					
10		18 37 18.0	37.3 N 20.9 E IONIAN SEA H = 33 KM MAG 4.50- CGS					
10		19 20 38.8	26.2 S 178.3 E SOUTH OF FIJI ISLANDS H =607 KM MAG 4.30- CGS					
11	NP	eP	00 07 07.0	JZ	.8	4.4 (0)		
11		00 10 25.6	43.8 N 149.5 E KURILE ISLANDS H = 55 KM MAG 4.70- CGS					
11	MV	eP	00 20 53.6	Z	1.0	3.3 (0)	64.0	4.37
11	RK	eP	00 21 37.0	Z	0.7	8.3 (0)	71.0	4.81
11	LC	eP	00 22 16.5	Z	0.8	2.3 (0)	77.0	4.19
							AVG.	4.45
11		00 15 04.8	07.0 S 129.5 E BANDA SEA H =132 KM MAG 5.60- CGS					
11	LC	eP'	00 33 47.2	Z	0.8	2.3 (0)	122.0	
		ePKKP	00 43 44	Z	1.0	7.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	RK	eP*	00 33 48.1	Z	0.4	9.8 (0)	124.0	
11	00 37 10.5		44.3 N 149.2 E KURILE ISLANDS H = 45 KM MAG 4.40- CGS					
11	MV	eP	02 24 40.9	Z	0.9	3.9 (0)		
11	LC	eP	04 41 39.2	Z	0.5	.4 (0)		
11	MV	eP	04 44 07.8	Z	0.8	2.1 (0)		
11	05 06 03.2		44.3 N 149.2 E KURILE ISLANDS H = 40 KM MAG 4.50- CGS					
11	NP	eP	05 14 38.0	JZ	.5	2.0 (0)	48.0	4.40
11	RK	eP	05 17 15.2	Z	0.6	7.0 (0)	71.0	4.85
11	LC	eP	05 17 54.6	Z	0.7	1.2 (0)	77.0	4.03
							AVG.	4.42
11	05 45 50.0		43.9 N 128.8 W OFF COAST OF OREGON H = 33 KM MAG 4.10- CGS					
11	07 32 43.0		56.0 S 126.4 W SOUTH PACIFIC OCEAN H = 33 KM MAG 4.60- CGS					
11	LC	eP	07 45 38.2	Z	1.0	2.4 (0)	90.0	4.36
		eLQ	08 11 13	LR	30	3.5 (2)		
		eLR	08 15 33	LZ	22	1.2 (2)		
11	MV	eLR	08 16 55	LZ	24	2.9 (2)	95.0	
11	09 49 43.3		44.6 N 148.9 E KURILE ISLANDS H = 55 KM MAG 4.70- CGS					
11	NP	eP	09 58 14.5	JZ	.3	5.8 (0)	48.0	5.02
11	MV	eP	10 00 10.0	Z	0.6	2.1 (0)	64.0	4.39
		eLR	10 20 40	LZ	24	2.1 (2)		
11	RK	eP	10 00 53.0	Z	0.4	2.2 (1)	71.0	5.49
		eLR	10 33 00	LT	16	3.4 (2)		
11	LC	eP	10 01 32.5	Z	0.6	2.1 (0)	77.0	4.28
		e	10 01 47	Z	1.2	5.9 (0)		
		eLR	10 27 43	LZ	25	1.0 (2)		
11	DH	eP	10 02 14.6	Z	0.5	8.0 (0)	85.0	5.04
		eLR	10 36 48	LZ	28	2.6 (2)		
11	LV	eLR	10 54 52	LZ	26	2.8 (2)	86.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.84
11	NP	eP	10 14 51.8	JZ	.5	1.0 (0)		
11	LC	eP	10 27 39.0	Z	0.8	1.5 (0)		
11	NP	eP	10 32 22.5	JZ	.7	3.8 (0)		
11	11 29 06.4		16.9 S 174.4 W TONGA ISLANDS H =185 KM MAG 5.20- CGS					
11	MV	eP	11 40 27.3	Z	0.9	2.6 (1)	75.0	4.98
		ePP	11 43 15	Z	1.5	1.4 (1)		
11	LC	eP	11 41 04.1	Z	0.6	1.8 (1)	81.0	5.00
		epP	11 41 50	Z	1.0	1.1 (1)		
		epP	11 41 50	LZ	18	2.0 (2)		
		eS	11 51 04	LT	18	8.8 (2)		
		ePS	11 52 00	LT	23	5.5 (2)		
		e	11 53 00	LZ	19	2.8 (2)		
		eLQ	12 02 58	LR	25	4.3 (2)		
		eLR	12 06 15	LZ	28	99.9 (9)		
11	LV	eP	11 42 00.3	Z	0.9	3.7 (1)	93.0	5.55
		e	11 51 50	LZ	17	5.0 (2)		
		eL	12 06 55	LZ	18	2.5 (2)		
11	NP	eP	11 42 24.5	JZ	.8	1.4 (1)	99.0	5.49
		ePP	11 46 21	JZ	1.2	5.0 (0)		
11	HW	eS	11 42 37	LT	19	8.0 (2)	41.0	
		eL	11 46 03	LT	18	3.7 (3)		
11	RK	eS	11 53 25	LT	17	4.0 (2)	95.0	
		eSS	12 00 10	LT	20	3.4 (2)		
		e	12 06 00	LT	18	2.6 (2)		
		eL	12 07 05	LT	20	2.6 (2)		
		eL	12 10 25	LT	27	4.1 (2)		
11	DH	eL	12 26 20	LZ	18	3.5 (2)	108.0	
							AVG.	5.25
11	MV	eL	11 49 55	LZ	24	2.5 (2)		
11	14 43 16.2		32.0 S 71.0 W CENTRAL CHILE H = 21 KM MAG 4.20- CGS					
11	LC	eP	14 54 43.0	Z	0.6	2.1 (0)	72.0	4.38
		eLR	15 15 00	LZ	20	2.1 (2)		
		eL	15 17 26	LR	17	2.2 (2)		
		eL	15 17 26	LT	8	1.1 (3)		
		eL	15 17 26	LZ	21	3.8 (2)		
11	LV	eL	15 23 07	LZ	17	2.5 (2)	67.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	DH	eP	15 12 13.0	Z	0.2	5.0 (0)	1.8	
		eS	15 12 37	R	0.3	6.8 (0)		
11	MV	eL	15 13 20	LZ	22	4.1 (2)		
11	DH	eLR	15 32 45	LZ	15	2.9 (2)		
11	16 21 14.0		32.8 S 95.5 W EASTER ISLAND REGION H = 33 KM MAG 4.20- CGS					
11	LC	eP	16 31 58.0	Z	1.0	2.4 (0)	66.0	4.29
		eLQ	16 51 53	LR	28	5.2 (2)		
		eLR	16 54 25	LZ	22	2.1 (2)		
11	LC	eP	17 07 11.0	Z	0.2	5.2 (0)	1.4	
		eS	17 07 28	T	0.2	6.4 (0)		
11	DH	eP	19 19 33.5	Z	0.2	5.0 (0)	1.7	
		eS	19 19 57	R	0.3	6.8 (0)		
11	LC	eP	19 20 03.0	Z	0.7	1.2 (0)		
11	DH	eP	19 33 49.0	Z	0.2	5.0 (0)	1.6	
		eS	19 34 11	T	0.3	1.4 (1)		
11	DH	eP	19 53 48.8	Z	0.2	5.0 (0)	1.7	
11	19 54 09.4		09.1 S 71.4 W WESTERN BRAZIL H =585 KM MAG 4.90- CGS					
11	DH	eP	20 02 20.7	Z	0.8	2.6 (1)	51.0	4.72
11	LC	eP	20 02 35.5	Z	1.2	2.5 (1)	53.0	4.52
		e	20 03 35	Z	1.2	1.9 (1)		
		e	20 04 26	Z	1.1	9.4 (0)		
		e	20 06 37	Z	1.1	7.9 (0)		
11	MV	eP	20 04 05.1	Z	1.0	1.1 (1)	67.0	4.30
11	NP	eP	20 06 07.2	JZ	.5	4.1 (1)	90.0	5.62
		epP	20 08 11	JZ	.9	8.3 (0)		
							AVG.	4.79
11	DH	eS	19 54 12	R	0.3	1.0 (1)	1.7	
11	20 18 39.7		04.0 N 82.6 W OFF WEST COAST OF COLOMBIA H = 33 KM MAG 4.80- CGS					
11	LC	eP	20 25 41.0	Z	0.7	6.2 (0)	36.0	4.58
		eP	20 25 45	LZ	13	1.5 (2)		
		ePP	20 27 09	LR	18	4.5 (2)		
		eS	20 31 30	LR	23	5.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	20 33 45	LZ	20	3.5 (2)		
		eL	20 36 50	LR	36	1.4 (3)		
		eL	20 40 10	LR	19	1.4 (3)		
		eL	20 40 10	LT	19	1.0 (3)		
		eL	20 40 10	LZ	20	1.1 (3)		
11	MV	eP	20 27 30.0	Z	0.8	2.1 (0)	50.0	4.12
		eS	20 34 50	LR	24	3.9 (2)		
		eLR	20 44 00	LZ	26	7.6 (2)		
11	NP	eP	20 30 18.8	JZ	.6	1.3 (1)	75.0	5.09
11	LV	eLR	20 33 08	LZ	26	1.2 (3)	29.0	
11	DH	eLQ	20 34 50	LR	24	7.8 (2)	39.0	
		eLR	20 36 58	LZ	25	1.0 (3)		
11	RK	eL	20 45 05	LT	18	4.9 (2)	48.0	
							AVG.	4.59
11	DH	eP	20 25 52.3	Z	0.2	5.0 (0)	1.6	
		eS	20 26 13	R	0.3	1.0 (1)		
11	LC	eP	21 10 16.0	Z	0.2	1.1 (1)	1.5	
		eS	21 10 34	R	0.2	1.4 (1)		
11	NP	eP	21 49 36.6	JZ	.7	2.5 (0)		
12	00 31 47.0		44.0 N 149.2 E KURILE ISLANDS H = 33 KM MAG 4.40- CGS					
12	01 17 10.0		14.6 S 173.3 W SAMOA ISLANDS H = 33 KM MAG 4.20- CGS					
12	04 57 12.1		44.8 N 110.6 W YELLOWSTONE PARK, WYOMING H = 33 KM					
12	06 07 53.0		27.9 S 176.2 W KERMADEC ISLANDS REGION H = 33 KM MAG 4.70- CGS					
12	MV	eL	06 48 50	LZ	25	1.6 (2)	84.0	
12	LC	eL	06 51 05	LZ	20	1.5 (2)	89.0	
12	DH	eL	07 07 53	LZ	21	1.8 (2)	116.0	
12	07 06 31.2		35.5 N 29.7 E NEAR S. W. COAST OF TURKEY H = 69 KM MAG 5.00- CGS					
12	NP	eP	07 17 16.5	JZ	.7	3.1 (1)	67.0	5.44
12	DH	eP	07 18 15.9	Z	0.9	1.7 (1)	76.0	4.97
12	RK	eP	07 18 36.8	Z	0.9	1.1 (1)	81.0	4.78

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	LV	eL	07 53 20	LZ	30	6.2 (2)	93.0	
12	LC	eL	07 58 20	LZ	44	4.1 (2)	101.0	
12	HW	eL	08 01 36	LZ	26	7.9 (1)	125.0	
							AVG.	5.06
12	07 56 53.6		44.2 N 149.0 E KURILE ISLANDS H = 45 KM MAG 4.90- CGS					
12	NP	eP	08 05 28.4	JZ	.5	3.8 (0)	48.0	4.65
		eL	08 28 50	LZ	23	2.7 (2)		
12	MV	eP	08 07 23.1	Z	0.8	2.0 (0)	64.0	4.26
12	RK	eP	08 08 05.6	Z	0.8	3.0 (1)	71.0	5.35
		ePCP	08 08 19	Z	1.0	2.7 (1)		
12	LC	eP	08 08 45.5	Z	0.7	3.0 (0)	77.0	4.41
12	DH	eP	08 09 27.8	Z	0.7	1.0 (1)	85.0	5.06
		e	08 09 41	Z	0.8	2.0 (1)		
		eL	08 37 33	LZ	24	4.3 (2)		
							AVG.	4.74
12	LC	eL	08 03 26	LZ	19	3.0 (2)		
12	LC	eL	08 16 55	LZ	28	5.0 (2)		
12	08 33 15.9		44.2 N 149.2 E KURILE ISLANDS H = 50 KM MAG 4.80- CGS					
12	NP	eP	08 41 49.5	JZ	1.4	2.2 (1)	48.0	4.96
12	MV	eP	08 43 44.5	Z	0.9	2.6 (0)	64.0	4.31
12	RK	eP	08 44 27.5	Z	0.8	3.0 (1)	71.0	5.34
		ePCP	08 44 41	Z	0.9	3.1 (1)		
12	LC	eP	08 45 07.0	Z	0.7	3.7 (0)	77.0	4.47
12	DH	eP	08 45 48.4	Z	0.8	1.3 (1)	85.0	5.08
12	HW	eL	09 01 44	LZ	17	1.9 (1)	51.0	
							AVG.	4.83
12	12 26 45.1		15.8 S 72.4 W SOUTHERN PERU H = 33 KM MAG 4.00- CGS					
12	12 44 02.4		22.6 S 175.5 W TONGA ISLANDS H = 33 KM MAG 4.50- CGS					
12	LC	eP	12 56 39.0	Z	1.3	9.7 (0)	86.0	4.71
12	12 50 17.0		51.5 N 179.9 W ANDREANOF ALEUTIAN ISLANDS H = 33 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	13 00 00.7		44.2 N 149.4 E KURILE ISLANDS H = 50 KM MAG 4.90- CGS					
12	NP	eP	13 08 34.6	JZ	1.2	2.1 (1)	48.0	4.99
		e	13 08 45	JZ	1.1	3.2 (1)		
		ePCP	13 10 04	JZ	1.4	1.9 (1)		
12	MV	eP	13 10 28.1	Z	1.2	1.3 (1)	64.0	4.88
12	RK	eP	13 11 12.0	Z	0.8	2.0 (1)	71.0	5.15
12	LC	eP	13 11 51.5	Z	0.9	5.7 (0)	77.0	4.55
12	DH	eP	13 12 33.4	Z	0.7	1.0 (1)	85.0	5.04
		eL	13 43 01	LZ	17	2.9 (2)		
12	HW	eL	13 27 26	LZ	18	3.6 (1)	51.0	
12	LV	eL	13 42 10	LZ	17	2.4 (2)	86.0	
							AVG.	4.92
12	LC	eL	13 25 55	LZ	20	1.6 (2)		
12	14 26 18.0		33.1 S 68.6 W MENDOZA PROV., ARGENTINA H = 19 KM MAG 4.30- CGS					
12	LC	eP	14 37 55.7	Z	1.0	7.3 (0)	74.0	4.63
12	15 28 43.9		31.7 N 78.5 E NORTHERN INDIA H = 33 KM MAG 4.60- CGS					
12	DH	eP	16 50 29.5	Z	0.4	1.1 (1)	1.7	
		eS	16 50 43	R	0.5	2.0 (1)		
12	LC	eP	17 09 33.7	Z	0.2	2.3 (0)	3.1	
		e	17 09 39	Z	0.3	4.5 (0)		
		eS	17 10 12	T	0.4	9.6 (0)		
12	DH	eP	17 17 38.8	Z	0.4	7.7 (0)	1.5	
		eS	17 17 59	R	0.5	3.7 (1)		
12	17 41 52.6		30.4 S 177.8 W KERMADEC ISLANDS H = 60 KM MAG 4.40- CGS					
12	LC	eP	18 06 07.4	Z	0.2	1.3 (1)	0.5	
		eS	18 06 15	T	0.2	1.7 (1)		
12	LC	eP	19 38 50.0	Z	0.6	1.5 (0)		
12	NP	eP	19 44 33.0	JZ	.8	1.3 (1)		
12	20 54 03.5		07.1 S 129.5 E BANDA SEA H =131 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	21 48 43.0		27.7 S 176.3 W KERMADEC ISLANDS H = 33 KM MAG 4.80- CGS					
12	MV	eL	22 29 26	LZ	17	1.4 (2)	84.0	
12	LC	eL	22 31 25	LZ	22	9.7 (1)	89.0	
12	DH	eL	22 48 29	LZ	20	1.4 (2)	116.0	
13	01 15 38.5		44.5 N 149.2 E KURILE ISLANDS H = 50 KM MAG 4.10- CGS					
13	MV	eP	01 34 13.7	Z	0.4	5.9 (0)	1.3	
		eS	01 34 31	T	0.5	2.0 (1)		
13	01 34 46.0		34.6 N 137.1 E S. COAST OF HONSHU, JAPAN H =105 KM MAG 4.20- CGS					
13	NP	eP	01 44 44.3	JZ	.9	3.0 (0)	60.0	4.41
		e	01 47 02	JZ	.8	2.7 (0)		
13	LC	eP	02 40 18.5	Z	0.8	1.5 (0)		
13	LC	eL	02 42 07	R	0.8	2.2 (0)		
13	04 17 59.9		08.9 S 71.5 W WESTERN BRAZIL H =545 KM MAG 3.60- CGS					
13	05 01 41.8		34.4 N 138.3 E S. COAST OF HONSHU, JAPAN H = 80 KM MAG 4.40- CGS					
13	NP	eP	05 11 40.0	JZ	1	1.0 (1)	60.0	4.90
13	05 16 17.0		07.8 N 125.9 E MINDANAO, PHILIPPINE IS. H = 33 KM MAG 5.60- CGS					
13	06 17 33.3		38.3 N 112.7 W SOUTHWESTERN UTAH H = 33 KM MAG 3.80- CGS					
13	LC	eP	06 19 52.3	Z	1.0	4.9 (0)	8.0	4.49
		eL	06 21 30	T	1.2	7.9 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	07 32 42.0		44.2 N 149.6 E KURILE ISLANDS H = 40 KM MAG 4.20- CGS					
13	HW	eL	08 00 16	LZ	19	3.4 (2)	51.0	
13	08 38 58.0		04.9 S 132.3 E BANDA SEA H = 33 KM					
13	09 01 41.0		09.0 N 73.3 W COLOMBIA H =328 KM MAG 4.00- CGS					
13	LC	eP	09 08 35.5	Z	0.9	5.8 (0)	39.0	3.98
		e	09 09 10	Z	0.9	2.9 (0)		
13	RK	eP	09 09 28.7	Z	0.5	1.3 (1)	45.0	4.51
13	NP	eP	09 12 30.1	JZ	.9	1.5 (1)	72.0	4.70
							AVG.	4.39
13	11 18 28.6		23.8 S 179.9 W FIJI ISLANDS REGION H =520 KM MAG 4.90- CGS					
13	HW	eP	11 26 32.1	Z	0.7	1.2 (2)	49.0	5.47
13	MV	eP	11 30 05.0	Z	0.9	2.9 (1)	83.0	4.82
13	LC	eP	11 30 31.9	Z	0.9	1.5 (1)	90.0	4.94
		e	11 32 26	Z	1.3	9.8 (0)		
							AVG.	5.07
13	12 34 52.0		51.9 N 177.6 W ANDREANOF ALEUTIAN ISLANDS H = 33 KM MAG 3.90- CGS					
13	NP	eP	12 41 23.6	JZ	.6	6.3 (0)	33.0	4.69
13	13 09 00.7		44.9 N 148.8 E KURILE ISLANDS H = 40 KM MAG 4.70- CGS					
13	LC	eP	13 52 14.5	Z	0.7	2.4 (0)		
13	LC	eP	14 05 15.9	Z	1.0	3.7 (0)		
13	LC	eP	15 14 24.1	Z	0.7	1.2 (0)		
13	LC	eL	15 16 37	R	0.8	4.5 (0)		
13	15 46 49.0		22.8 S 175.3 W TONGA ISLANDS H = 33 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	15 50 48.0		44.3 N 148.2 E KURILE ISLANDS H = 33 KM MAG 4.30- CGS					
13	MV	eL	16 15 02	LZ	30	9.4 (2)	64.0	
13	LC	eL	16 28 20	LZ	20	8.3 (1)	78.0	
13	16 06 35.7		22.8 S 175.3 W TONGA ISLANDS H = 33 KM MAG 4.40- CGS					
13	LC	eP	16 19 13.0	Z	0.9	1.9 (0)	86.0	4.17
		eL	16 47 39	LZ	20	1.9 (2)		
13	16 25 17.0		45.5 N 150.0 E KURILE ISLANDS H = 50 KM MAG 4.40- CGS					
13	DH	eP	16 44 53	LZ	20	1.8 (2)		
13	17 18 50.1		22.9 S 175.3 W TONGA ISLANDS H = 33 KM MAG 5.10- CGS					
13	MV	eP	17 30 57.2	Z	1.0	1.9 (1)	80.0	4.95
		eL	17 55 25	LZ	30	2.5 (2)		
13	LC	eP	17 31 28.0	Z	1.4	2.6 (1)	86.0	5.12
		eLR	18 00 34	LZ	21	5.2 (2)		
		eL	18 04 00	LR	19	7.1 (2)		
		eL	18 04 00	LT	20	7.0 (2)		
		eL	18 04 00	LZ	18	1.0 (3)		
13	HW	eL	17 40 28	LZ	22	4.8 (2)	47.0	
13	LV	eL	18 07 42	LZ	17	1.2 (3)	97.0	
13	NP	eL	18 13 42	LZ	23	2.2 (2)	105.0	
							AVG.	5.03
13	18 04 10.5		22.9 S 175.5 W TONGA ISLANDS H = 33 KM MAG 4.50- CGS					
13	DH	eP	19 05 52.6	Z	0.5	7.9 (0)	1.3	
		eS	19 06 10	T	0.5	2.8 (1)		
13	20 03 06.6		25.3 N 109.3 W GULF OF CALIFORNIA H = 14 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	LC	eP	20 04 53.5	Z	0.5	.9 (0)	7.0	4.00
		e	20 04 58	Z	0.7	2.0 (1)		
		e	20 05 32	Z	0.9	4.5 (1)		
		eL	20 07 05	T	0.8	2.4 (1)		
13	MV	eP	20 07 12.5	Z	1.3	2.8 (1)	17.0	4.26
		eL	20 10 40	LZ	26	9.4 (2)		
13	LV	eL	20 11 55	LZ	16	1.5 (3)	17.0	
13	NP	eP	20 12 10.0	JZ	.8	4.0 (0)	51.0	4.42
		e	20 12 15	JZ	.7	5.1 (1)		
		eL	20 29 55	LZ	30	2.1 (2)		
13	RK	eS	20 13 51	LR	23	2.8 (2)	28.0	
		eL	20 17 48	LT	17	1.8 (3)		
13	DH	eL	20 21 35	LZ	15	8.5 (2)	33.0	
							AVG.	4.22
13	LC	eP	20 33 12.5	Z	0.3	1.0 (1)	1.4	
		eS	20 33 32	T	0.4	1.5 (1)		
13	NP	eP	22 05 38.9	JZ	1.3	8.2 (0)		
13	NP	e	22 05 45	JZ	1.2	1.4 (1)		
14	00 20 03.0		30.1 S 177.4 W KERMADEC ISLANDS H = 42 KM MAG 4.70- CGS					
14	RK	eL	01 11 40	LZ	25	1.5 (2)	109.0	
14	03 58 48.9		22.6 N 142.9 E MARIANA ISLANDS REGION H =177 KM MAG 4.90- CGS					
14	NP	eP	04 09 41.6	JZ	.8	2.1 (1)	70.0	4.96
		e	04 10 24	JZ	1	1.4 (1)		
		eL	05 25 33	LZ	32	6.8 (2)		
14	RK	eP	04 11 37.0	Z	0.9	5.7 (0)	92.0	4.92
							AVG.	4.94
14	04 35 48.5		17.5 S 167.7 E NEW HEBRIDES ISLANDS H = 33 KM MAG 4.80- CGS					
14	MV	eP	04 48 30.9	Z	1.0	9.8 (0)	87.0	4.93
		eP	04 48 35	LZ	17	4.3 (2)		
		eS	04 59 07	LT	25	6.6 (2)		
		e	05 01 08	LT	24	1.2 (3)		
		e	05 05 24	LT	20	7.0 (2)		
		eLR	05 15 29	LZ	28	1.9 (3)		
		eL	05 20 19	LT	19	2.8 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	05 20 19	LR	21	1.0 (3)		
		eL	05 20 19	LZ	19	3.2 (3)		
14	HW	ePPS	04 52 35	LR	21	3.7 (3)	52.0	
		eLQ	04 57 15	LT	21	2.3 (3)		
		eLR	04 59 40	LZ	24	2.9 (3)		
		eL	05 03 04	LR	19	4.8 (3)		
		eL	05 03 04	LT	13	1.0 (3)		
		eL	05 03 04	LZ	20	3.3 (3)		
14	LV	e	05 03 56	LZ	16	1.4 (3)	108.0	
		eL	05 26 07	LZ	23	5.6 (2)		
14	DH	e	05 13 11	LR	24	1.0 (3)	121.0	
		eLR	05 34 35	LZ	27	7.5 (2)		
		eL	05 48 40	LZ	17	2.5 (3)		
		eL	05 48 40	LR	18	1.2 (3)		
		eL	05 48 40	LT	17	6.0 (2)		

14 05 06 07.5 45.7 N 151.2 E KURILE ISLANDS
H = 15 KM MAG 4.60- CGS

14	RK	eP	05 16 05.5	Z	1.0	4.9 (0)		
14	RK	eL	05 24 30	LZ	25	2.1 (2)		

14 09 05 47.8 15.1 N 93.9 W OFF COAST OF CHIAPAS, MEX.
H = 33 KM MAG 4.90- CGS

14	LV	eP	09 09 48.5	Z	1.5	1.4 (2)	17.0	4.93
		eP	09 09 49	LZ	15	1.1 (3)		
		eL	09 15 00	LZ	25	6.5 (2)		
14	LC	eP	09 10 28.0	Z	0.7	1.3 (1)	21.0	4.37
14	NP	eP	09 16 10.4	JZ	1.5	6.5 (1)	63.0	5.47
		e	09 16 21	JZ	1.4	5.2 (1)		
		e	09 16 26	JZ	1.3	2.7 (1)		
		eL	09 45 00	LR	17	4.5 (2)		
14	DH	eL	09 21 32	LZ	32	8.4 (2)	32.0	
14	MV	eL	09 22 34	LT	29	1.2 (3)	34.0	
							AVG.	4.92

14 10 17 27.0 30.5 N 138.8 E SOUTH OF HONSHU, JAPAN
H =439 KM MAG 3.90- CGS

14	HW	eP	11 37 24.8	Z	0.3	1.2 (2)	0.6	
		e	11 37 33	Z	0.3	1.7 (2)		

14 13 37 02.0 52.3 N 179.8 W ANDREANOF ALEUTIAN ISLANDS
H =100 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	NP	eP	13 43 30.9	JZ	.8	2.0 (1)	33.0	5.00
14	LC	eP	13 46 25.5	Z	0.8	5.3 (0)	55.0	4.63
							AVG.	4.81

14 14 01 18.4 17.4 S 167.6 E NEW HEBRIDES ISLANDS
H = 33 KM MAG 4.50- CGS

14 14 05 35.6 17.5 S 167.7 E NEW HEBRIDES ISLANDS
H = 33 KM MAG 4.60- CGS

14	HW	eL	14 25 49	LZ	18	3.6 (2)	51.0	

14	DH	eP	14 54 52.1	Z	0.7	1.6 (1)		
14	DH	eP	17 38 10.3	Z	0.6	9.0 (0)		

14 17 59 04.9 15.0 N 94.2 W OFF COAST OF CHIAPAS, MEX.
H = 33 KM MAG 4.20- CGS

14	LC	eP	18 03 44.7	Z	0.8	1.2 (1)	21.0	4.29
		eL	18 10 50	LR	16	7.5 (2)		
14	DH	eP	18 30 27.8	Z	0.6	9.0 (0)		

14 20 11 03.7 19.0 S 168.8 E NEW HEBRIDES ISLANDS
H = 33 KM MAG 4.60- CGS

14 21 27 25.6 45.4 N 151.4 E KURILE ISLANDS
H = 50 KM MAG 4.40- CGS

14 23 37 49.5 17.4 S 167.8 E NEW HEBRIDES ISLANDS
H = 33 KM MAG 4.50- CGS

15 00 18 52.4 04.7 S 76.8 W NORTHERN PERU
H =152 KM MAG 4.30- CGS

15	NP	eL	00 52 05	LZ	21	1.7 (2)	84.0	

15 00 44 38.5 44.4 N 149.1 E KURILE ISLANDS
H = 45 KM MAG 4.70- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15			01 11 57.2 03.3 S 129.1 E CERAM H = 54 KM					
15			05 15 46.6 46.1 N 14.6 E YUGOSLAVIA H = 35 KM MAG 3.80- CGS					
15			06 34 07.0 45.6 N 153.2 E KURILE ISLANDS REGION H = 33 KM MAG 4.10- CGS					
15			08 21 23.0 44.4 N 149.2 E KURILE ISLANDS H = 55 KM MAG 4.30- CGS					
15	HW	eP	14 02 21.5	Z	0.2	4.2 (2)	0.5	
		eS	14 02 29	R	0.3	99.9 (9)		
15	LC	eP	15 02 51.5	Z	0.8	2.3 (0)		
15			15 17 07.7 52.9 N 164.3 W UNIMAK ALEUTIAN ISLANDS H = 33 KM MAG 4.60- CGS					
15	NP	eP	18 05 20.5	JZ	1.1	1.6 (1)		
15			18 16 45.0 20.1 N 70.0 W NEAR COAST DOM. REPUBLIC H = 50 KM MAG 3.70- CGS					
15	HW	eP	19 01 38.8	Z	0.3	5.5 (2)	0.6	
		eS	19 01 47	R	999.9	99.9 (9)		
15	LC	eP	20 07 37.0	Z	0.5	1.0 (1)	1.4	
		eS	20 07 56	T	0.5	2.5 (1)		
15			21 06 34.0 44.3 N 149.0 E KURILE ISLANDS H = 50 KM MAG 6.25-6.50 PAL					
15	NP	eP	21 15 06.5	JZ	1	2.5 (1)	48.0	5.15
		e	21 15 08	JZ	.7	99.9 (9)		
		eP	21 15 08	LZ	20	3.2 (3)		
		e	21 16 21	JZ	1.6	4.3 (2)		
		ePCP	21 16 29	JZ	1.4	2.8 (2)		
		ePCP	21 16 41	LZ	20	2.2 (3)		
		e	21 22 00	T	2.0	1.5 (2)		
		eS	21 22 11	LT	25	8.8 (3)		
		eS	21 22 13	T	2.0	1.7 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSCS	21 24 57	T	2.1	6.4 (1)		
		eLQ	21 26 00	LR	27	1.1 (4)		
		eLR	21 28 50	LZ	33	1.3 (4)		
		eL	21 35 21	JZ	20	1.8 (4)		
15	HW	eP	21 15 37.2	Z	1.3	1.6 (2)	52.0	5.85
		eP	21 15 45	LZ	11	2.1 (3)		
		ePPP	21 18 10	LZ	17	1.3 (3)		
		eS	21 22 55	LR	21	1.2 (4)		
		eSCS	21 25 12	LR	19	8.5 (3)		
		eLQ	21 28 00	LT	24	99.9 (9)		
		eLR	21 29 50	LZ	20	1.0 (4)		
15	MV	eP	21 17 02.8	Z	1.3	5.5 (1)	64.0	5.48
		eP	21 17 04	LZ	22	99.9 (9)		
		e	21 17 14	Z	1.5	3.9 (2)		
		ePP	21 18 29	LZ	19	1.0 (3)		
		eS	21 25 36	R	3.0	1.9 (2)		
		eS	21 25 37	LT	20	5.9 (3)		
		eSCS	21 26 40	LT	21	4.2 (3)		
		eLQ	21 30 00	LR	27	4.4 (3)		
		eLR	21 33 34	LZ	20	1.9 (3)		
15	RK	eP	21 17 45.1	Z	0.5	1.0 (2)	71.0	6.09
		eP	21 17 46	LZ	19	3.3 (3)		
		ePP	21 20 30	LZ	20	2.0 (3)		
		eS	21 26 57	LT	23	3.6 (3)		
		eSS	21 31 40	LT	20	4.1 (3)		
		eLQ	21 40 00	LR	33	9.6 (3)		
		eLR	21 44 50	LZ	26	99.9 (9)		
15	LC	eP	21 18 25.1	Z	0.7	2.1 (1)	77.0	5.23
		eP	21 18 30	LZ	18	2.2 (3)		
		ePP	21 21 30	LZ	18	1.5 (3)		
		ePP	21 21 31	Z	1.5	1.0 (2)		
		ePS	21 28 40	LR	999.9	99.9 (9)		
		eL	21 31 45	LR	18	1.4 (3)		
15	DH	eP	21 19 06.2	Z	0.6	4.0 (1)	85.0	5.68
		eP	21 19 10	LZ	20	3.1 (3)		
		ePP	21 22 30	LZ	16	2.0 (3)		
		eS	21 29 32	LT	20	6.1 (3)		
		eSS	21 35 20	LT	22	2.7 (3)		
		e	21 38 45	LR	22	3.6 (3)		
		eLQ	21 41 15	LR	40	5.7 (3)		
		eLR	21 52 00	LZ	999.9	99.9 (9)		
15	LV	eP	21 19 10.9	Z	0.9	1.0 (2)	86.0	5.85
		eP	21 19 12	LZ	17	4.2 (3)		
		e	21 19 23	Z	1.1	8.9 (2)		
		eS	21 29 45	LT	18	4.0 (3)		
		eL	21 40 05	LZ	24	5.3 (3)		
							AVG.	5.61
15	NP	eP	23 19 58.7	JZ	.9	2.8 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16			01 17 05.6	44.7 N 149.0 E	KURILE ISLANDS			
				H = 33 KM MAG	4.40-	CGS		
16	NP	eP	01 25 29.2	JZ	.8	1.6 (1)	47.0	5.12
16	RK	eP	01 28 16.5	Z	0.8	1.3 (1)	70.0	5.02
							AVG.	5.07
16			01 59 33.0	44.2 N 149.2 E	KURILE ISLANDS			
				H = 33 KM MAG	4.30-	CGS		
16			02 30 07.0	44.3 N 149.0 E	KURILE ISLANDS			
				H = 50 KM MAG	5.00-	CGS		
16	NP	eP	02 38 40.2	JZ	1.5	3.4 (2)	48.0	6.11
		eP	02 38 41	LZ	17	4.1 (2)		
		ePCP	02 40 09	JZ	1.3	1.1 (2)		
		eL	02 53 52	LZ	27	1.1 (3)		
16	MV	eP	02 40 37.0	Z	1.4	1.5 (1)	64.0	4.90
		e	02 40 49	Z	1.4	5.4 (1)		
		eLR	03 00 00	LZ	23	5.9 (2)		
16	RK	eP	02 41 19.4	Z	0.7	1.8 (1)	71.0	5.16
		e	02 41 33	Z	1.0	8.1 (1)		
		eL	03 06 29	LR	23	7.3 (2)		
16	LC	eP	02 41 58.4	Z	1.3	1.7 (1)	77.0	4.87
		e	02 42 12	Z	1.0	2.2 (1)		
		eLR	03 06 22	LZ	22	3.0 (2)		
16	DH	eP	02 42 40.4	Z	1.1	2.6 (1)	85.0	5.24
		e	02 42 55	Z	1.3	1.2 (2)		
		eL	03 03 46	LT	24	4.7 (2)		
16	HW	eLQ	02 51 37	LR	26	2.9 (3)	52.0	
		eLR	02 53 50	LZ	23	1.3 (3)		
							AVG.	5.25
16			06 24 29.6	17.4 S 167.7 E	NEW HEBRIDES ISLANDS			
				H = 27 KM				
16			06 40 37.0	07.0 S 129.4 E	BANDA SEA			
				H =125 KM MAG	4.70-	CGS		
16			06 46 15.7	41.3 S 87.5 W	OFF COAST OF CHILE			
				H = 11 KM MAG	5.30-	CGS		
16	LC	eP	06 58 01.4	Z	1.1	5.0 (1)	75.0	5.44

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	06 58 10	Z	1.3	1.2 (2)		
		e	06 58 58	Z	1.8	7.5 (1)		
		eLR	07 23 26	LZ	26	9.8 (2)		
16	DH	eP	06 58 46.8	Z	1.2	3.3 (1)	84.0	5.41
		e	06 58 55	Z	1.3	1.4 (2)		
16	MV	eP	06 58 57.0	Z	2.5	1.2 (2)	86.0	5.57
		eL	07 27 24	LZ	22	6.1 (2)		
16	RK	eP	06 59 23.5	Z	1.2	8.5 (1)	92.0	5.95
		e	06 59 32	Z	1.2	1.3 (2)		
		eL	07 31 06	LZ	30	1.2 (3)		
16	NP	eP?	07 05 03.5	JZ	1.1	1.6 (1)	119.0	
		e	07 06 08	JZ	1.2	2.8 (1)		
		eL	07 47 20	LZ	33	4.9 (2)		
16	HW	eLR	07 28 37	LZ	20	2.4 (3)	88.0	
							AVG.	5.59
16	LC	eP	08 34 23.7	Z	0.7	.6 (0)		
16	11	07 53.7	26.7 N 97.2 E	NORTHERN BURMA				
			H = 33 KM MAG	5.10-	CGS			
16	NP	eP	11 19 31.7	JZ	1	5.7 (1)	75.0	5.49
16	11	39 37.8	28.1 N 95.1 E	ASSAM, INDIA				
			H = 37 KM MAG	4.70-	CGS			
16	11	58 41.5	38.1 N 117.0 W	CENTRAL NEVADA				
			H = 15 KM MAG	4.00-	CGS			
16	MV	eP	11 59 48.5	Z	0.2	4.5 (0)	3.5	4.16
		eS	12 00 33	T	0.3	2.0 (1)		
16	MV	eP	12 23 09.4	Z	0.5	4.9 (0)		
16	12	24 41.0	38.3 N 117.1 W	CENTRAL NEVADA				
			H = 15 KM					
16	12	56 36.0	38.2 N 117.1 W	CENTRAL NEVADA				
			H = 15 KM					
16	MV	eL	12 58 26	R	1.2	3.9 (1)	3.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	14 23 43.2		38.1 N 117.0 W CENTRAL NEVADA H = 15 KM MAG 3.70- CGS					
16	MV	eP	14 24 47.5	Z	0.5	1.8 (0)	3.5	3.37
		eS	14 25 34	T	0.6	1.7 (1)		
16	16 48 10.2		38.0 N 117.1 W CENTRAL NEVADA H = 15 KM MAG 4.00- CGS					
16	MV	eP	16 49 16.0	Z	0.5	3.0 (0)	3.5	3.59
		eS	16 50 02	T	0.6	3.9 (1)		
16	17 40 03.0		38.1 N 117.1 W CENTRAL NEVADA H = 15 KM					
16	18 06 55.0		02.2 S 80.0 W ECUADOR H = 59 KM MAG 4.60- CGS					
16	LC	eP	18 14 48.6	Z	1.0	4.9 (0)	43.0	4.20
16	DH	eP	18 15 01.4	Z	0.7	1.0 (1)	44.0	4.68
16	RK	eP	18 16 14.0	Z	0.6	1.1 (1)	54.0	5.07
16	NP	eP	18 19 06.6	JZ	1	3.5 (1)	82.0	5.28
							AVG.	4.80
16	19 17 56.0		38.0 N 117.1 W CENTRAL NEVADA H = 15 KM					
16	LC	eP	21 59 21.5	Z	0.2	1.1 (0)	2.0	
		eS	21 59 48	T	0.3	2.3 (0)		
16	HW	eP	22 26 50.6	Z	0.3	4.7 (1)	0.7	
		eS	22 26 59	T	0.3	4.0 (2)		
16	22 43 26.4		22.3 S 175.0 W TONGA ISLANDS H = 33 KM MAG 6.00- PAS					
16	HW	eP	22 51 35.6	Z	1.0	8.4 (1)	46.0	5.66
		e	22 53 38	LR	19	3.7 (3)		
		eSS	23 01 57	LT	21	5.7 (3)		
		eLR	23 05 00	LZ	21	2.2 (3)		
		eL	23 09 15	LR	19	5.2 (3)		
		eL	23 09 15	LT	16	2.5 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	23 09 15	LZ	19	99.9 (9)		
16	MV	eP	22 55 30.4	Z	1.4	4.3 (1)	79.0	5.22
		eS	23 05 35	LR	23	1.8 (3)		
		eSS	23 10 40	LR	20	1.4 (3)		
		e	23 13 55	LT	20	6.1 (2)		
		eLQ	23 16 02	LR	29	1.1 (3)		
		eLR	23 21 00	LZ	22	3.9 (3)		
		eL	23 22 45	LT	21	3.8 (3)		
		eL	23 22 45	LR	20	4.8 (2)		
		eL	23 22 45	LZ	22	1.1 (4)		
16	LC	eP	22 56 01.8	Z	1.1	6.3 (1)	85.0	5.66
		e	23 06 28	LT	19	99.9 (9)		
		eSS	23 12 00	LT	999.9	99.9 (9)		
		eLR	23 22 05	LZ	25	99.9 (9)		
16	RK	eS	23 09 05	LT	20	2.2 (3)	102.0	
		eSS	23 16 00	LT	23	2.0 (3)		
		e	23 19 50	LT	20	1.4 (3)		
		eL	23 26 06	LT	23	2.4 (3)		
16	DH	e	23 10 35	LT	18	1.6 (3)	112.0	
		eLQ	23 32 45	LT	28	1.6 (3)		
		eLR	23 41 28	LZ	23	3.2 (3)		
							AVG.	5.51
16	22 51 25.8		38.0 N 117.0 W CENTRAL NEVADA H = 15 KM MAG 4.10- CGS					
16	MV	eP	22 52 31.5	Z	0.6	2.7 (0)	3.6	3.46
		eS	22 53 17	T	0.6	3.6 (1)		
16	NP	eLR	23 32 10	LZ	23	1.8 (3)		
16	23 39 58.3		22.1 S 175.3 W TONGA ISLANDS H = 33 KM MAG 5.30- CGS					
16	MV	eP	23 52 02.5	Z	0.9	1.9 (1)	79.0	5.06
		e	23 52 17	Z	1.0	1.3 (1)		
16	LC	eP	23 52 33.2	Z	1.0	2.8 (1)	85.0	5.36
		e	23 52 50	Z	0.9	2.2 (1)		
							AVG.	5.21
17	00 48 02.6		07.6 N 37.4 W NORTH ATLANTIC OCEAN H = 33 KM MAG 6.25-6.50 PAS					
17	DH	eP	00 56 38.9	Z	1.4	5.4 (2)	48.0	6.39

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	01 03 40	LR	999.9	99.9 (9)		
		eLQ	01 08 10	LT	999.9	99.9 (9)		
		eLR	01 10 00	LZ	999.9	99.9 (9)		
17	LV	eP	00 57 41.8	Z	1.3	4.3 (2)	56.0	6.32
		eLR	01 13 00	LZ	999.9	99.9 (9)		
17	LC	eP	00 59 03.4	Z	1.9	4.2 (2)	68.0	6.22
		e	01 08 30	R	3.5	4.0 (2)		
17	MV	eP	01 00 15.0	Z	1.4	1.2 (2)	81.0	5.67
		eP	01 00 16	LZ	19	7.8 (2)		
		e	01 03 04	Z	2.0	9.7 (1)		
		eS	01 10 23	LR	26	99.9 (9)		
		eSS	01 15 35	LR	28	99.9 (9)		
		eLQ	01 23 15	LT	37	99.9 (9)		
		e	01 25 37	Z	1.0	1.0 (1)		
		eLR	01 25 47	LZ	44	99.9 (9)		
17	NP	eP	01 00 15.5	JZ	1.5	99.9 (9)	81.0	
		eSKS	01 10 28	LR	21	1.1 (4)		
		eSS	01 15 30	LR	38	9.8 (3)		
		e	01 18 36	LR	19	2.3 (3)		
		eL	01 21 45	LR	56	7.5 (4)		
		eLR	01 26 35	LZ	29	99.9 (9)		
17	HW	eSS	01 23 23	LT	24	1.9 (3)	113.0	
		eLQ	01 34 35	LT	33	3.3 (3)		
		eLR	01 41 49	LZ	38	7.8 (3)		
		eL	01 48 35	LR	20	3.7 (3)		
		eL	01 48 35	LT	20	1.1 (3)		
		eL	01 48 35	LZ	22	2.6 (3)		
						AVG.		6.15

17 00 48 57.0 22.2 S 175.0 W TONGA ISLANDS
H = 33 KM MAG 5.30- CGS

17 01 13 36.0 21.8 S 175.0 W TONGA ISLANDS
H = 33 KM MAG 5.00- CGS

17	LC	eP	01 26 08.4	Z	0.9	1.2 (1)	85.0	5.05
		e	01 27 33	Z	2.5	1.2 (2)		

17 02 32 49.0 38.0 N 117.1 W CENTRAL NEVADA
H = 15 KM

17	LC	eL	02 37 40	R	0.8	3.0 (0)	10.0

17	NP	eP	03 56 52.1	JZ	.8	2.7 (0)
17	NP	eP	07 15 02.5	JZ	.7	3.6 (0)

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	07 50 34.4		06.3 N 126.2 E MINDANAO, P. I.					
			H = 33 KM MAG 5.60- CGS					
17	NP	eP	08 03 26.5	JZ	.6	2.1 (0)	90.0	4.52
17	RK	eP'	08 09 03.0	Z	0.7	2.3 (0)	114.0	
17	MV	eP	08 12 16.5	Z	0.8	4.1 (0)		
17	10 27 18.0		20.9 S 174.8 W TONGA ISLANDS					
			H = 33 KM MAG 4.20- CGS					
17	MV	eP	11 12 54.2	Z	1.3	1.6 (1)		
17	MV	e	11 16 17	Z	1.6	1.1 (1)		
17	LC	eP	12 10 17.5	Z	0.9	1.9 (0)		
17	13 13 49.3		17.4 S 178.5 W FIJI ISLANDS REGION					
			H =509 KM MAG 4.70- CGS					
17	MV	eP	13 24 53.1	Z	1.0	1.0 (1)	78.0	4.20
17	LC	eP	13 25 30.9	Z	0.9	8.8 (0)	85.0	4.39
		epP	13 27 28	Z	1.0	1.0 (1)		
							AVG.	4.29
17	MV	eP	13 49 53.7	Z	0.2	1.5 (0)	0.7	
		eS	13 50 03	R	0.2	1.3 (1)		
17	LC	eP	16 32 30.0	Z	0.3	4.7 (0)	3.0	
		eS	16 33 07	T	0.3	1.4 (1)		
17	17 40 59.1		44.9 N 149.5 E KURILE ISLANDS					
			H = 50 KM MAG 4.30- CGS					
17	20 03 33.2		07.1 S 129.6 E BANDA SEA					
			H =137 KM MAG 4.10- CGS					
17	HW	eP	21 16 27.0	Z	0.2	1.9 (1)	0.6	
		eS	21 16 35	R	0.2	8.3 (1)		
17	22 51 14.0		45.2 N 150.1 E KURILE ISLANDS					
			H = 20 KM MAG 4.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	00 15 34.0		44.1 N 151.1 E KURILE ISLANDS H = 40 KM MAG 4.30- CGS					
18	MV	eLR	01 45 53	LZ	30	2.3 (2)	63.0	
18	01 01 52.9		03.6 S 143.4 E NEAR NORTHEAST NEW GUINEA H = 33 KM MAG 5.20- CGS					
18	HW	eLR	01 33 00	LZ	18	1.8 (2)	64.0	
18	RK	eLR	01 59 07	LZ	18	3.5 (2)	113.0	
18	01 42 55.9		29.3 N 57.0 E SOUTHERN IRAN H = 33 KM MAG 5.00- CGS					
18	01 45 27.6		47.2 N 148.5 E SEA OF OKHOTSK H =319 KM MAG 4.70- CGS					
18	LC	eP	01 56 51.6	Z	0.7	6.1 (0)	76.0	4.44
18	LC	eP	04 52 52.3	Z	0.6	2.0 (0)		
18	RK	eP	04 54 45.8	Z	0.7	1.1 (1)		
18	05 16 42.0		08.4 S 113.5 E SOUTH OF JAVA H =104 KM					
18	06 04 12.7		22.4 S 170.5 E LOYALTY ISLANDS H = 33 KM					
18	07 17 50.4		16.5 S 74.5 W NEAR COAST OF SOUTH PERU H = 54 KM MAG 4.30- CGS					
18	07 38 05.0		43.9 N 150.8 E KURILE ISLANDS H = 33 KM MAG 4.20- CGS					
18	MV	eP	08 38 20.2	Z	0.2	6.4 (0)	0.8	
		eS	08 38 31	T	0.2	2.0 (1)		
18	09 31 35.3		36.2 N 120.4 W FRESNO COUNTY, CALIFORNIA H = 14 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	MV	eP	09 32 24.0	Z	0.2	4.0 (0)	3.1	4.10
		eS	09 33 06	T	0.2	6.5 (1)		
18	MV	eP	09 50 48.7	Z	0.7	5.1 (0)		
18	LC	eP	09 51 19.3	Z	0.8	3.7 (0)		
18	MV	eP	10 55 33.0	Z	0.2	4.0 (0)	3.7	
		eS	10 56 19	R	0.2	1.2 (1)		
18	13 13 42.8		35.5 S 179.9 W KERMADEC ISLANDS REGION H = 50 KM					
18	NP	eP'	13 32 21.3	JZ	1	3.4 (0)	118.0	
		ePP	13 33 45	JZ	.9	2.2 (1)		
18	MV	eP	13 36 57.8	Z	0.6	2.1 (0)		
18	13 51 35.8		15.9 S 173.3 W TONGA ISLANDS H = 33 KM MAG 5.10- CGS					
18	MV	eP	14 03 06.2	Z	1.0	1.3 (1)	73.0	4.94
18	LC	eP	14 03 44.0	Z	1.1	2.4 (1)	80.0	5.02
18	HW	eLR	14 10 00	LZ	22	4.8 (2)	40.0	
18	RK	eL	14 38 15	LZ	30	9.9 (2)	96.0	
							AVG.	4.98
18	14 38 28.9		29.9 N 113.6 W GULF OF CALIFORNIA H = 14 KM MAG 6.50-6.75 PAL					
18	LC	eP	14 40 03.0	Z	0.8	4.5 (0)	6.0	4.27
		e	14 40 07	Z	1.0	1.5 (2)		
18	MV	eP	14 41 13.2	Z	2.5	4.0 (2)	11.0	6.33
		eP	14 41 15	LZ	999.9	99.9 (9)		
		eS	14 43 22	LR	999.9	99.9 (9)		
		e	14 44 27	T	2.5	1.4 (3)		
		eL	14 45 52	T	12.0	37.4 (4)		
18	LV	eP	14 42 50.0	Z	2.5	6.3 (3)	19.0	6.42
		e	14 48 21	R	2.2	1.4 (3)		
		eL	14 49 10	R	5.0	9.6 (4)		
18	RK	eP	14 43 58.4	Z	1.0	1.8 (1)	26.0	4.65
		eP	14 43 59	LZ	17	1.2 (3)		
		e	14 44 05	Z	0.8	1.0 (2)		
		eS	14 48 25	LT	999.9	99.9 (9)		
		eS	14 48 41	T	6.5	1.2 (4)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	14 52 10	T	12.0	99.9 (9)		
18	DH	eP	14 45 09.5	Z	1.6	4.3 (2)	33.0	6.12
		eP	14 45 10	LZ	15	4.9 (3)		
		ePP	14 46 30	Z	2.2	9.2 (2)		
		eS	14 50 36	LR	999.9	99.9 (9)		
		eL	14 55 33	LR	999.9	99.9 (9)		
		e	14 56 17	T	2.0	1.0 (3)		
		eL	14 57 19	T	10.0	31.2 (4)		
18	HW	eP	14 45 58.3	Z	1.5	7.1 (2)	39.0	6.12
		eP	14 45 59	LZ	18	2.0 (3)		
		e	14 47 55	LR	25	6.3 (3)		
		eSCP	14 52 00	LZ	20	99.9 (9)		
		eSS	14 54 40	LR	999.9	99.9 (9)		
		eL	14 56 00	LR	999.9	99.9 (9)		
18	NP	eP	14 46 56.3	JZ	2	1.0 (2)	47.0	5.57
		eP	14 46 58	LZ	17	2.8 (3)		
		e	14 47 01	JZ	1.5	6.1 (2)		
		e	14 54 08	LR	24	99.9 (9)		
		eLR	15 01 15	LZ	35	99.9 (9)		
		eL	15 04 51	JZ	9	2.2 (4)		
							AVG.	5.64
18	LC	eL	15 51 31	T	0.9	2.8 (0)		
18	16 02 19.9		29.7 N 113.8 W GULF OF CALIFORNIA H = 14 KM MAG 4.70- CGS					
18	LC	eP	16 03 59.3	Z	0.8	5.2 (0)	7.0	4.55
		e	16 04 33	Z	1.0	1.2 (2)		
		eL	16 06 03	T	1.2	99.9 (9)		
18	LV	eP	16 06 45.7	Z	1.0	4.6 (1)	19.0	4.68
18	RK	eP	16 07 52.2	Z	0.8	1.2 (1)	26.0	4.59
18	DH	eP	16 09 02.0	Z	1.2	6.2 (1)	34.0	5.40
18	NP	eP	16 10 50.3	JZ	1.3	4.6 (1)	47.0	5.41
							AVG.	4.92
18	LC	eL	16 15 06	R	0.7	3.1 (0)		
18	NP	eP	17 34 05.5	JZ	.6	2.0 (0)		
18	MV	eLR	17 35 52	LZ	24	8.0 (2)		
18	RK	eP	18 20 01.4	Z	0.9	1.4 (1)		
18	LC	eP	19 02 11.0	Z	0.4	.4 (0)	2.6	
		eS	19 02 54	R	0.7	3.1 (0)		
18	19 07 47.7		29.1 N 114.1 W BAJA CALIFORNIA H = 14 KM MAG 4.60- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	LC	eP	19 09 34.1	Z	0.6	5.1 (0)	7.0	4.67
		e	19 10 05	Z	0.8	2.0 (1)		
		eL	19 11 20	LZ	22	6.3 (2)		
		eL	19 11 38	R	0.8	7.4 (1)		
18	RK	eP	19 13 31.2	Z	0.8	5.7 (0)	27.0	4.33
18	MV	eL	19 13 40	LT	19	8.1 (2)	12.0	
18	DH	eLQ	19 25 23	LT	18	1.0 (3)	34.0	
		eLR	19 26 50	LZ	18	4.2 (2)		
							AVG.	4.50
18	LC	eL	19 18 00	R	1.0	2.3 (1)		
18	LC	eL	19 18 00	LZ	14	1.2 (3)		
18	LC	eP	19 24 03.0	Z	0.4	1.3 (0)		
18	LC	eL	19 26 01	T	1.0	9.7 (0)		
18	LC	eL	19 26 15	LZ	14	4.7 (2)		
18	19 33 35.9		30.0 N 113.7 W GULF OF CALIFORNIA H = 14 KM MAG 4.40- CGS					
18	LC	eP	19 35 20.6	Z	0.5	7.3 (0)	7.0	4.90
		eL	19 37 00	LZ	23	99.9 (9)		
		eL	19 37 28	R	0.7	3.2 (1)		
18	MV	eL	19 38 50	LR	20	5.0 (2)	11.0	
		eL	19 39 24	T	1.2	5.0 (0)		
18	LC	eL	19 41 30	R	0.9	3.2 (1)		
18	LC	eL	19 41 45	LZ	14	1.1 (3)		
18	LC	eP	19 58 45.2	Z	1.0	4.8 (0)		
18	LC	eP	20 48 36.5	Z	0.2	2.2 (0)		
18	LC	eL	20 50 36	R	0.6	1.1 (1)		
18	MV	eL	21 06 34	T	1.8	2.4 (1)		
18	21 11 10.2		13.4 S 166.6 E SANTA CRUZ ISLANDS H = 51 KM MAG 4.70- CGS					
18	MV	eP	21 23 42.2	Z	1.0	8.5 (0)	85.0	4.78
		eL	21 46 45	LZ	24	2.3 (2)		
		eLR	21 50 11	LZ	24	7.3 (2)		
18	HW	eLR	21 34 20	LZ	23	1.3 (3)	49.0	
18	LC	eP	21 32 10.5	Z	0.5	.9 (0)		
18	LC	eL	21 34 13	R	0.7	3.1 (0)		
18	22 01 10.0		31.9 N 113.3 W SONORA, MEXICO H = 14 KM MAG 4.90- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	LC	eP	22 02 30.8	Z	0.5	5.5 (0)	5.7	4.39
		e	22 03 17	Z	0.6	1.6 (1)		
		eL	22 04 31	T	1.6	3.0 (2)		
18	MV	eL	22 06 14	LT	23	2.8 (3)	10.0	
18	RK	eP	22 06 21.0	Z	1.0	6.9 (0)	24.0	4.13
		e	22 06 54	Z	1.4	2.2 (1)		
18	NP	eP	22 09 17.8	JZ	1.3	1.0 (1)	45.0	4.60
18	LV	eL	22 11 30	Z	2.0	3.0 (2)	18.0	
18	HW	e	22 16 45	LT	21	1.7 (3)	40.0	
		eLR	22 18 45	LZ	23	5.4 (2)		
							AVG.	4.37
18	LC	eL	22 57 15	Z	0.6	1.5 (0)		
18	LC	eP	23 06 05.0	Z	0.4	.8 (0)		
18	LC	e	23 06 35	Z	0.8	2.2 (0)		
18	LC	eL	23 08 08	T	1.0	3.3 (1)		
18	MV	eP	23 21 30.0	Z	0.2	2.4 (1)	1.4	
		eS	23 21 48	T	0.2	2.3 (1)		
19	01 11 43.2		31.0 N 113.7 W GULF OF CALIFORNIA					
			H = 14 KM MAG 4.90- CGS					
19	LC	eP	01 13 15.5	Z	0.6	1.1 (1)	6.0	4.80
		eL	01 15 00	LZ	24	99.9 (9)		
		eL	01 15 12	R	1.0	7.9 (1)		
19	LV	eP	01 16 04.5	Z	1.2	2.6 (1)	19.0	4.35
		eL	01 21 17	LZ	21	1.7 (3)		
		eL	01 22 16	T	3.3	1.4 (3)		
19	RK	eP	01 17 06.0	Z	1.1	1.1 (1)	25.0	4.49
		eL	01 23 40	LT	20	2.2 (3)		
19	MV	eL	01 17 06	Z	1.0	5.1 (0)	10.0	
		eL	01 17 08	LZ	16	1.2 (3)		
19	NP	eP	01 20 02.6	JZ	1.5	1.5 (1)	45.0	4.68
		eL	01 32 19	LZ	15	6.8 (2)		
19	DH	eL	01 28 49	LT	17	2.3 (3)	33.0	
19	HW	eL	01 29 34	LZ	21	3.8 (2)	39.0	
							AVG.	4.58
19	02 01 16.0		44.1 N 150.2 E KURILE ISLANDS					
			H = 50 KM MAG 4.50- CGS					
19	LC	eP	04 07 28.5	Z	0.4	.8 (0)		
19	LC	eL	04 09 39	R	0.7	6.0 (0)		
19	04 37 56.8		39.7 N 129.5 E OFF EAST COAST OF KOREA					
			H =537 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	LC	eP	04 50 06.5	Z	0.7	1.2 (0)	91.0	3.98
19	HW	eP	05 51 38.9	Z	0.2	3.9 (1)	0.6	
		eS	05 51 48	R	0.3	1.0 (2)		
19	08 06 33.0		59.7 N 140.8 W YAKUTAT BAY, ALASKA					
			H = 33 KM MAG 4.20- CGS					
19	LC	eP	08 13 19.2	Z	0.9	2.8 (0)	35.0	4.20
		e	08 15 05	Z	0.9	3.8 (0)		
19	NP	eP	08 19 56.0	JZ	.8	1.3 (1)		
19	08 23 11.6		30.9 N 113.8 W GULF OF CALIFORNIA					
			H = 14 KM MAG 5.25- PAS					
19	LC	eP	08 24 45.3C	Z	0.5	2.2 (1)	6.0	5.16
		eL	08 25 55	LT	999.9	99.9 (9)		
		eL	08 26 26	R	1.0	6.0 (1)		
19	MV	eP	08 25 45.8	Z	1.0	3.4 (0)	10.0	4.74
		eL	08 28 40	LZ	23	4.1 (3)		
19	LV	eP	08 27 38.3	Z	1.3	6.4 (1)	19.0	4.71
		eP	08 27 39	LZ	14	1.4 (3)		
		e	08 31 16	LZ	18	1.4 (3)		
		eL	08 32 56	LZ	35	2.7 (3)		
		eL	08 33 55	R	2.7	1.6 (3)		
19	RK	eP	08 28 38.0	Z	0.7	5.8 (0)	25.0	4.38
		eS	08 33 07	LT	22	2.2 (2)		
		eL	08 35 00	LT	31	5.8 (3)		
19	NP	eP	08 31 34.5	JZ	1.8	4.0 (1)	46.0	5.12
		eL	08 43 05	LZ	25	4.7 (2)		
19	DH	eL	08 39 01	LT	25	3.5 (3)	33.0	
19	HW	eL	08 40 50	LZ	25	1.7 (3)	39.0	
							AVG.	4.82
19	MV	eP	08 31 43.5	Z	0.4	2.2 (1)	2.3	
		eS	08 32 13	R	0.3	2.3 (1)		
19	10 45 49.1		22.5 S 171.3 E LOYALTY ISLANDS REGION					
			H = 36 KM MAG 5.00- CGS					
19	10 51 13.8		30.5 N 114.1 W GULF OF CALIFORNIA					
			H = 14 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	LC	eP	10 52 53.0	Z	0.5	6.9 (0)	7.0	4.87
		eL	10 54 35	LT	28	2.3 (3)		
		eL	10 54 51	T	1.0	5.6 (1)		
19	LV	eL	11 00 53	LZ	20	8.4 (2)	19.0	
19	RK	ePCS	11 03 48	LT	20	1.0 (3)	25.0	
19	DH	eL	11 08 42	LT	17	1.2 (3)	33.0	
19	HW	eL	11 09 35	LZ	25	5.5 (2)	39.0	
19	11 00 54.3		44.4 N 149.2 E KURILE ISLANDS H = 33 KM MAG 5.80- CGS					
19	NP	eP	11 09 28.9	JZ	1.5	1.9 (2)	48.0	5.90
		ePCP	11 10 58	JZ	1.6	1.1 (2)		
		e	11 15 23	JZ	.8	6.7 (0)		
		eS	11 16 24	T	2.0	6.7 (1)		
		eL	11 24 35	LZ	32	1.3 (3)		
19	MV	eP	11 11 24.5	Z	1.3	9.6 (1)	64.0	5.77
19	RK	eP	11 12 07.1	Z	0.7	1.4 (2)	71.0	6.10
19	LC	eP	11 12 46.5	Z	1.0	5.6 (1)	77.0	5.55
19	DH	eP	11 13 28.8	Z	0.8	4.7 (1)	85.0	5.68
		eL	11 33 10	LT	21	4.2 (2)		
19	LV	eP	11 13 32.0	Z	1.0	1.7 (2)	86.0	6.04
		e	11 34 29	LZ	24	5.9 (2)		
		eL	11 51 56	LZ	19	6.9 (2)		
						AVG.		5.84
19	DH	eL	11 45 23	LZ	32	9.3 (2)		
19	LC	eP	12 07 51.8	Z	0.7	6.1 (0)		
19	LC	eL	12 08 49	R	0.9	1.5 (1)		
19	12 25 39.5		30.2 S 60.8 E INDIAN OCEAN H = 33 KM MAG 5.70- CGS					
19	14 25 27.0		44.4 N 149.1 E KURILE ISLANDS H = 33 KM MAG 4.40- CGS					
19	DH	eP	15 26 27.3	Z	0.3	2.8 (1)	1.8	
		eS	15 26 51	R	0.3	6.2 (1)		
19	17 38 39.7		53.1 N 159.6 E OFF EAST COAST KAMCHATKA H = 40 KM MAG 4.90- CGS					
19	NP	eP	17 45 49.7	JZ	.5	7.5 (0)	37.0	4.76

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	17 46 00	JZ	.9	3.9 (1)		
		eL	17 58 10	LZ	30	2.8 (2)		
19	RK	eP	17 48 40.5	Z	1.0	3.9 (1)	60.0	5.44
19	LC	eP	17 49 30.5	Z	0.8	3.7 (0)	67.0	4.56
		eL	18 18 11	R	0.8	6.6 (0)		
19	HW	eL	18 00 39	LZ	23	5.4 (2)	47.0	
19	LV	eL	18 20 30	LZ	25	4.2 (2)	75.0	
						AVG.		4.92
19	LC	eP	18 16 15.1	Z	0.6	1.0 (0)		
19	LC	e	18 16 46	Z	0.7	2.4 (0)		
19	18 17 02.2		05.0 S 102.2 E OFF SOUTH COAST OF SUMATRA H = 37 KM MAG 5.40- CGS					
19	NP	eL	19 14 05	LZ	26	4.3 (2)	105.0	
19	RK	eL	19 21 30	LT	25	1.5 (2)	132.0	
19	DH	eL	19 36 53	LR	34	8.9 (2)		
19	LV	eL	19 46 28	LZ	23	6.4 (2)		
19	LC	eL	19 46 50	LZ	23	5.8 (2)		
19	LC	eP	20 05 06.7	Z	0.6	1.0 (1)		
19	LC	eL	20 07 00	LZ	14	2.0 (3)		
19	LC	eL	20 07 03	R	1.0	6.0 (1)		
19	RK	e	20 16 40	LT	30	9.5 (2)		
19	22 36 58.0		18.6 S 72.2 W OFF COAST OF SOUTHERN PERU H = 33 KM MAG 4.40- CGS					
19	DH	eL	23 03 27	LZ	20	8.8 (2)	61.0	
20	01 13 49.0		53.4 N 130.6 W QUEEN CHARLOTTE IS. REGION H = 39 KM MAG 4.00- CGS					
20	LC	eP	04 03 42.5	Z	0.8	1.5 (0)		
20	04 07 22.6		05.5 S 148.2 E NEW BRITAIN H =201 KM MAG 5.20- CGS					
20	MV	eP	04 20 18.8	Z	1.3	1.9 (1)	94.0	5.09
20	LC	ePKKP	04 37 05	Z	1.4	8.9 (0)	106.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	04 37 53	Z	1.0	3.7 (0)		
20	MV	eP	05 28 25.7	Z	0.3	5.5 (1)	1.4	
		eS	05 28 43	R	0.4	5.6 (1)		
20	LC	eP	05 58 33.0	Z	0.5	.4 (0)		
20	LC	eP	07 38 49.5	Z	0.5	1.8 (0)		
20	LC	eL	07 40 48	R	0.7	6.2 (0)		
20	LC	eP	08 03 23.0	Z	0.5	.4 (0)		
20	LC	eL	08 05 20	R	0.7	2.4 (0)		
20	RK	eP	08 41 45.4	Z	0.6	5.6 (0)		
20	DH	eP	08 43 36.5	Z	0.8	1.3 (1)		
20	08 54 25.0		17.5 S 172.8 W	TONGA ISLANDS				
			H = 33 KM MAG	3.90- CGS				
20	LC	eP	09 06 36.0	Z	0.7	1.2 (0)	80.0	3.92
		eLR	09 34 02	LZ	18	8.7 (1)		
20	RK	eLR	09 45 15	LZ	20	2.2 (2)	97.0	
20	11 59 58.5		22.2 S 175.2 W	TONGA ISLANDS				
			H = 33 KM MAG	5.60- CGS				
20	HW	eP	12 08 27	LZ	18	3.6 (2)	46.0	
		eS	12 15 03	LR	13	1.6 (3)		
		eLR	12 21 00	LZ	24	1.3 (3)		
		eL	12 27 56	LR	18	2.2 (3)		
		eL	12 27 56	LT	16	7.3 (2)		
		eL	12 27 56	LZ	18	2.1 (3)		
20	MV	eP	12 12 02.3	Z	1.4	8.8 (1)	79.0	5.53
		eP	12 12 03	LZ	18	2.4 (2)		
		eSP	12 23 00	LZ	20	3.2 (2)		
		eLR	12 35 52	LZ	30	4.3 (2)		
20	LC	eP	12 12 33.8	Z	1.0	3.0 (1)	85.0	5.39
		eP	12 12 35	LZ	18	2.9 (2)		
		eSP	12 23 58	LZ	19	2.3 (2)		
		eLR	12 38 45	LZ	25	1.0 (3)		
		eL	12 41 25	LT	23	1.0 (3)		
		eL	12 41 25	LR	23	7.7 (2)		
		eL	12 41 25	LZ	22	1.4 (3)		
20	DH	eSS	12 35 00	LR	21	4.1 (2)	112.0	
		eLR	12 55 20	LR	27	4.4 (2)		
20	RK	e	12 41 05	LT	15	2.1 (2)	102.0	
		e	12 45 34	LT	23	2.5 (2)		
		eLR	12 46 57	LZ	35	4.1 (2)		
		eL	12 54 25	LR	20	1.4 (3)		
		eL	12 54 25	LT	20	7.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	12 54 25	LZ	20	1.8 (3)		
20	LV	eLR	12 45 58	LZ	22	5.8 (2)	96.0	
20	NP	e	12 51 45	LZ	22	3.5 (2)	104.0	
		eLR	12 53 17	LZ	22	7.7 (2)		
						AVG.		5.46
20	NP	eP	12 09 26.3	JZ	.6	6.2 (0)		
20	NP	e	12 09 31	JZ	.9	1.6 (1)		
20	LC	eLR	14 25 00	LZ	18	1.4 (2)		
20	DH	eP	16 03 08.9	Z	0.2	5.0 (0)	1.9	
		eS	16 03 35	R	0.3	1.4 (1)		
20	16 57 13.5		31.5 N 131.6 E	KYUSHU, JAPAN				
			H = 33 KM MAG	4.50- CGS				
20	NP	eP	17 07 45.0	JZ	.8	2.0 (1)	64.0	5.30
20	RK	eP	17 09 06.2	Z	0.2	2.0 (0)	4.2	
		eS	17 09 57	T	0.3	2.5 (1)		
20	RK	eP	18 00 51.0	Z	1.3	2.6 (1)		
20	18 49 20.8		06.4 N 126.2 E	MINDANAO, P. I.				
			H = 33 KM MAG	5.40- CGS				
20	LC	eP	18 53 53.4	Z	0.9	2.9 (0)		
20	DH	eP	19 01 28.2	Z	0.3	1.6 (1)	1.4	
		eS	19 01 46	R	0.3	1.6 (2)		
20	DH	eP	19 08 39.6	Z	0.3	1.6 (1)	1.6	
		eS	19 09 02	R	0.4	4.0 (1)		
20	19 48 43.0		48.0 N 154.8 E	KURILE ISLANDS				
			H = 33 KM MAG	4.60- CGS				
20	LC	eP	20 31 05.2	Z	0.2	6.3 (0)	1.5	
		eS	20 31 24	R	0.2	1.9 (1)		
20	NP	eP	20 52 57.1	JZ	.6	2.0 (0)		
20	LC	eP	20 53 48.3	Z	0.2	3.4 (0)	1.9	
		eS	20 54 14	T	0.2	4.6 (0)		
20	LC	eP	22 25 32.0	Z	0.5	2.3 (0)		
20	LC	eL	22 27 28	T	0.7	1.8 (0)		
20	MV	eP	22 33 13.8	Z	0.3	1.5 (1)	0.9	
		eS	22 33 26	R	0.4	4.5 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	22 33 30.3		44.1 N 149.1 E KURILE ISLANDS H = 45 KM MAG 4.60- CGS					
20	NP	eP	22 42 05.5	JZ	.6	2.0 (0)	48.0	4.31
20	RK	eP	22 44 43.0	Z	0.6	8.4 (0)	71.0	4.91
		e	22 44 55	Z	0.7	1.7 (1)		
20	LC	eP	22 45 22.7	Z	1.2	5.9 (0)	77.0	4.46
							AVG.	4.56
20	LC	eLR	23 52 00	LZ	23	1.3 (2)		
21	MV	eP	01 14 10.0	Z	0.5	2.5 (0)	4.5	
		e	01 14 16	Z	0.5	1.1 (1)		
		eS	01 15 05	T	0.5	2.1 (1)		
21	MV	eP	05 37 31.5	Z	0.4	3.0 (0)	2.1	
		eS	05 37 58	T	0.5	1.1 (1)		
21	05 54 54.9		17.9 S 178.6 W FIJI ISLANDS H =595 KM MAG 4.30- CGS					
21	06 36 24.2		08.9 S 117.8 E SUMBAWA H = 33 KM					
21	09 08 03.0		18.0 S 178.4 W FIJI ISLANDS H =568 KM MAG 3.90- CGS					
21	LC	eP	09 19 40.9	Z	0.8	2.2 (0)	85.0	3.86
21	09 53 38.9		41.2 N 141.1 E N. COAST OF HONSHU, JAPAN H = 57 KM MAG 4.20- CGS					
21	13 06 41.6		44.9 N 151.9 E KURILE ISLANDS H = 40 KM MAG 4.40- CGS					
21	14 22 56.1		47.6 N 153.3 E KURILE ISLANDS H = 60 KM MAG 4.20- CGS					
21	16 22 42.4		13.0 N 144.9 E MARIANA ISLANDS H = 33 KM MAG 4.90- CGS					
21	LC	eL	17 07 55	LZ	25	8.1 (1)	98.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	DH	eP	17 05 34.5	Z	0.3	7.3 (0)	1.7	
		eS	17 05 59	R	0.4	1.9 (1)		
21	18 42 44.8		13.8 S 14.5 W ASCENSION ISLANDS REGION H = 33 KM MAG 5.10- CGS					
21	LC	eP	18 56 24.9	Z	1.0	4.9 (0)	99.0	5.16
21	MV	eP	19 26 08.5	Z	0.5	2.5 (0)	1.4	
		eS	19 26 27	T	0.5	5.8 (0)		
21	19 30 28.0		08.7 S 119.2 E FLORES SEA H =157 KM					
21	19 58 23.8		44.2 N 149.6 E KURILE ISLANDS H = 40 KM MAG 4.60- CGS					
21	20 23 11.8		11.1 S 166.3 E SANTA CRUZ ISLANDS H =149 KM MAG 4.70- CGS					
21	MV	eP	20 35 25.5	Z	1.0	1.3 (1)	84.0	4.72
21	LC	eP	20 36 12.8	Z	0.9	3.8 (0)	93.0	4.63
							AVG.	4.67
21	LC	eP	20 51 57.5	Z	0.2	6.9 (0)	1.4	
		eS	20 52 17	R	0.4	6.1 (0)		
21	21 01 35.3		50.3 N 156.4 E SOUTHERN KAMCHATKA H = 80 KM MAG 5.30- CGS					
21	NP	eP	21 09 07.0	JZ	1	2.0 (1)	40.0	4.88
		e	21 09 19	JZ	.7	1.7 (1)		
		e	21 11 26	JZ	.7	3.3 (1)		
		eL	21 18 31	LZ	29	4.3 (2)		
21	MV	eP	21 11 12.3	Z	0.8	5.1 (0)	57.0	4.61
		eL	21 28 00	LZ	30	6.9 (2)		
21	RK	eP	21 11 54.3	Z	0.8	6.8 (1)	63.0	5.68
		e	21 12 08	Z	0.6	6.1 (1)		
21	LC	eP	21 12 40.0	Z	1.0	2.4 (1)	70.0	5.05
		e	21 12 55	Z	0.7			
		e	21 13 17	Z	1.0	1.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	21 35 18	LZ	31	5.8 (2)		
21	DH	eP	21 13 23.3	Z	0.8	3.6 (1)	78.0	5.32
		e	21 13 38	Z	0.8			
21	LV	eP	21 13 28.6	Z	0.8	8.6 (1)	78.0	5.69
		e	21 13 44	Z	0.9			
21	HW	eL	21 24 00	LZ	23	6.4 (2)	48.0	
							AVG.	5.20

22 0 18 35.9 05.9 S 107.9 E NEAR NORTH COAST OF JAVA
H =323 KM MAG 5.10- CGS

22 03 24 36.3 06.1 S 154.3 E SOLOMON ISLANDS
H = 78 KM MAG 4.70- CGS

22	LC	eP	09 34 47.5	Z	0.5	1.1 (0)		
22	LC	e	09 35 26	Z	0.9	3.6 (0)		
22	LC	eL	09 36 47	R	0.7	1.7 (0)		

22 11 14 03.0 18.5 N 100.3 W GUERRERO, MEXICO
H =120 KM MAG 4.90- CGS

22	LC	eP	11 17 28.2	Z	1.0	5.8 (1)	15.0	4.81
		eP	11 17 30	LZ	19	7.0 (2)		
		e	11 20 23	LZ	19	99.9 (9)		
		eL	11 21 50	LZ	32	99.9 (9)		
		eL	11 21 59	R	4.0	1.1 (3)		
22	LV	eP	11 17 37.3	Z	0.7	3.9 (1)	16.0	4.79
		eP	11 17 38	LZ	14	1.0 (3)		
		e	11 17 57	Z	1.3	3.7 (2)		
		eL	11 21 00	LZ	29	1.5 (3)		
22	MV	eP	11 19 41.0	Z	0.7	6.6 (0)	28.0	4.39
		eP	11 19 42	LZ	14			
		eS	11 24 20	LR	24	2.8 (2)		
		e	11 25 10	LZ	20	6.0 (2)		
		eLR	11 27 52	LZ	30	5.7 (2)		
22	DH	eP	11 20 20.5	Z	0.6	8.5 (0)	32.0	4.64
		eLR	11 31 33	LZ	30	1.0 (3)		
22	RK	eP	11 20 24.7	Z	0.7	2.8 (1)	33.0	5.17
		eLR	11 31 43	LZ	30	9.3 (2)		
22	NP	eP	11 23 48.7	JZ	.6	1.0 (1)	59.0	4.98
		ePCP	11 24 40	JZ	.7	1.3 (1)		
							AVG.	4.79

22 12 40 10.0 18.8 S 69.6 W CHILE BOLIVIA BORDER
H =120 KM MAG 4.60- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	MV	eP	13 24 02.2	Z	0.2	6.1 (0)	1.0	
		eS	13 24 16	T	0.3	8.4 (0)		
		eP	13 25 49.1	Z	0.3	1.4 (1)		
		eS	13 26 02	T	0.4	7.9 (1)		

22 14 45 51.7 44.4 N 149.0 E KURILE ISLANDS
H = 33 KM MAG 5.60- CGS

22	NP	eP	14 54 25.4	JZ	1.1	1.9 (1)	48.0	5.06
		ePCP	14 56 10	JZ	.8	4.8 (1)		
22	MV	eP	14 56 22.2	Z	1.2	4.2 (1)	64.0	5.45
		eP	14 56 23	LZ	17	4.4 (2)		
		e	14 56 46	Z	1.2	8.4 (1)		
		eS	15 04 53	LR	17	3.9 (2)		
		ePS	15 05 40	LR	19	8.7 (2)		
		eSS	15 09 12	LR	23	6.1 (2)		
		eLQ	15 12 25	LT	28	1.9 (3)		
		eLR	15 15 55	LZ	25	1.7 (3)		
		eL	15 17 42	LR	23	1.2 (3)		
		eL	15 17 42	LT	20	7.2 (2)		
		eL	15 17 42	LZ	22	2.2 (3)		
22	RK	eP	14 57 04.2	Z	0.8	6.9 (1)	71.0	5.74
		eP	14 57 05	LZ	18	5.4 (2)		
		eS	15 06 06	LT	16	9.0 (2)		
		e	15 11 50	LT	20	8.5 (2)		
		eSSS	15 14 02	LT	21	8.3 (2)		
		eLQ	15 19 00	LR	24	1.0 (3)		
		eLR	15 22 05	LZ	27	1.5 (3)		
		eL	15 26 12	LR	23	3.9 (3)		
		eL	15 26 12	LT	18	1.7 (3)		
		eL	15 26 12	LZ	23	1.2 (3)		
22	LC	eP	14 57 44.0	Z	0.6	1.3 (1)	77.0	5.14
		eP	14 57 45	LZ	21	3.9 (2)		
		e	14 57 58	Z	1.2	10.0 (1)		
		eS	15 07 38	LT	25	5.7 (2)		
		e	15 16 30	LR	25	1.3 (3)		
		eLQ	15 19 40	LT	26	1.4 (3)		
		eLR	15 23 05	LZ	17	9.2 (2)		
		eL	15 25 00	LR	25	1.9 (3)		
		eL	15 25 00	LT	23	2.9 (2)		
		eL	15 25 00	LZ	26	1.5 (3)		
22	DH	eP	14 58 25.8	Z	0.7	5.5 (1)	85.0	5.80
		eP	14 58 26	LZ	13	8.5 (2)		
		e	14 58 41	Z	0.7	4.5 (1)		
		e	15 08 25	LR	24	9.3 (2)		
		eSSS	15 17 56	LT	18	5.6 (2)		
		eLQ	15 24 00	LR	26	6.7 (2)		
		eLR	15 32 00	LZ	27	1.4 (3)		
22	LV	eP	14 58 28	LZ	13	1.5 (3)	86.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	15 28 07	LZ	28	1.1 (3)		
22	HW	eS	15 02 24	LT	22	2.7 (3)	52.0	
		eLQ	15 07 23	LR	27	3.9 (3)		
		eLR	15 09 28	LZ	28	3.9 (3)		
		eL	15 15 20	LT	18	9.2 (3)		
		eL	15 15 20	LR	18	3.9 (3)		
		eL	15 15 20	LZ	18	8.3 (3)		
							AVG.	5.43
22	15 22 10.9		44.5 N 149.2 E KURILE ISLANDS H = 40 KM MAG 4.50- CGS					
22	RK	eP	15 33 21.8	Z	0.7	3.5 (0)	71.0	4.49
22	NP	eLR	15 45 00	LZ	30	1.0 (3)	48.0	
22	LC	eP	15 26 37.8	Z	0.7	4.6 (0)		
22	LC	e	15 27 13	Z	0.8	4.8 (0)		
22	LC	e	15 34 14	Z	1.0	6.2 (0)		
22	16 15 54.0		10.4 N 94.0 E ANDAMAN ISLANDS REGION H = 33 KM MAG 5.70- CGS					
22	RK	eLR	17 55 00	LZ	19	5.3 (2)	119.0	
22	LC	eP	16 40 12.2	Z	0.9	6.0 (0)		
22	17 03 38.9		17.9 S 172.8 W TONGA ISLANDS REGION H = 33 KM MAG 5.20- CGS					
22	MV	eP	17 15 15.6	Z	1.0	1.3 (1)	74.0	4.85
22	LC	eP	17 15 51.5	Z	1.2	2.7 (1)	81.0	5.09
		e	17 16 03	Z	1.2	3.0 (1)		
		eLR	17 43 40	LZ	19	3.6 (2)		
22	HW	eLQ	17 20 57	LT	19	6.8 (2)	41.0	
		eLR	17 23 52	LZ	20	3.9 (2)		
							AVG.	4.97
22	HW	eP	18 33 00.6	Z	0.2	1.9 (1)	0.7	
		eS	18 33 10	T	0.3	8.6 (1)		
22	18 57 02.5		21.0 S 67.9 W WESTERN BOLIVIA H = 87 KM MAG 4.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	DH	eP	19 07 24.4	Z	0.6	8.5 (0)	63.0	4.88
22	LC	eP	19 07 32.0	Z	0.9	4.8 (0)	65.0	4.47
22	RK	eP	19 08 35.3	Z	0.9	1.8 (1)	75.0	4.94
							AVG.	4.76
22	LC	eP	20 07 03.5	Z	0.3	1.0 (1)	1.4	
		eS	20 07 21	T	0.3	7.7 (0)		
22	20 10 40.0		63.4 N 150.0 W CENTRAL ALASKA H =156 KM MAG 4.10- CGS					
22	20 26 00.2		37.3 N 30.1 E SOUTHWESTERN TURKEY H = 28 KM MAG 4.40- CGS					
22	DH	eP	20 37 41.5	Z	1.0	1.0 (1)	75.0	4.75
22	21 41 31.0		37.5 N 30.0 E SOUTHWESTERN TURKEY H = 20 KM MAG 5.10- CGS					
22	DH	eP	21 53 14.0	Z	1.2	3.2 (1)	75.0	5.19
23	01 49 21.8		44.3 N 148.9 E KURILE ISLANDS H = 45 KM MAG 4.40- CGS					
23	04 58 52.0		15.0 S 167.3 E NEW HEBRIDES ISLANDS H =116 KM MAG 4.30- CGS					
23	07 50 46.3		30.1 N 114.0 W GULF OF CALIFORNIA H = 14 KM MAG 6.00- PAS					
23	LC	eP	07 52 25.5	Z	0.6	7.8 (1)	7.0	5.85
		eP	07 52 26	LZ	999.9	99.9 (9)		
		eL	07 54 12	R	1.0	2.0 (2)		
23	MV	eP	07 53 25.2	Z	1.2	1.3 (1)	11.0	5.17
		eP	07 53 26	LZ	16	2.6 (4)		
		e	07 53 29	Z	1.2	4.3 (1)		
		e	07 54 07	Z	1.5	1.0 (2)		
		eL	07 56 15	LZ	999.9	99.9 (9)		
		eL	07 56 34	Z	4.0	2.5 (3)		
23	LV	eP	07 55 08.6	Z	1.3	2.2 (2)	19.0	5.24
		eP	07 55 09	LZ	13	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	07 58 45	LZ	11	7.3 (3)		
		eL	08 01 18	T	3.5	1.0 (4)		
23	RK	eP	07 56 16.7	Z	0.7	1.2 (1)	26.0	4.62
		eL	08 00 50	LT	21	3.5 (3)		
		eL	08 04 20	Z	5.9	6.8 (3)		
23	DH	eP	07 57 27.8	Z	1.0	1.9 (1)	34.0	4.96
		eS	08 02 52	LR	28	1.0 (4)		
		eL	08 07 05	LR	33	9.5 (3)		
23	NP	eP	07 59 13.7	JZ	1.4	4.3 (2)	46.0	6.27
		ePP	08 01 03	JZ	1.5	1.6 (2)		
		ePS	08 06 10	LR	24	1.9 (3)		
		eL	08 12 45	LT	30	1.1 (4)		
		eL	08 15 59	T	6.5	4.9 (3)		
23	HW	e	08 00 08	LZ	11	1.5 (3)	39.0	
		eS	08 04 15	LT	17	2.5 (3)		
		eSS	08 06 53	LT	18	8.8 (3)		
		eL	08 08 09	LZ	19	1.6 (4)		
						AVG.		5.35

23 08 17 16.6 30.0 N 113.9 W GULF OF CALIFORNIA
H = 14 KM MAG 4.60- CGS

23	LC	eP	08 18 56.1	Z	0.7	1.1 (1)	7.0	4.93
		eL	08 21 00	R	0.9	6.4 (1)		

23 08 32 31.0 29.9 N 114.0 W GULF OF CALIFORNIA
H = 14 KM MAG 5.30- CGS

23	LC	eP	08 34 11.1	Z	0.7	1.4 (1)	7.0	5.04
		eL	08 36 09	R	0.7	4.4 (1)		
23	MV	eP	08 35 12.5	Z	0.8	4.1 (0)	11.0	4.83
		e	08 35 52	Z	1.6	5.8 (1)		
		eL	08 38 12	Z	2.5	2.5 (2)		
		e	08 38 38	T	5.5	4.6 (3)		
		e	08 39 51	T	7.0	1.3 (4)		
23	LV	eP	08 36 56.5	Z	1.7	7.7 (2)	19.0	5.67
		eP	08 36 57	LZ	15	4.6 (3)		
		eL	08 42 19	LZ	999.9	99.9 (9)		
		eL	08 43 25	Z	3.0	1.9 (3)		
23	RK	eP	08 38 04.3	Z	0.7	8.4 (0)	26.0	4.47
		eL	08 45 10	LT	12	99.9 (9)		
		eL	08 46 21	T	3.0	1.2 (3)		
23	NP	eP	08 40 59.1	JZ	1.3	4.5 (1)	47.0	5.40
		eL	08 57 27	JZ	5.8	1.2 (3)		
23	DH	eL	08 49 49	Z	1.0	1.9 (1)	34.0	
		eL	08 50 00	LR	19	7.0 (3)		
23	HW	eL	08 50 05	LR	19	9.3 (3)	39.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	5.08
23	DH	eP	08 37 31.2	Z	1.0	3.8 (1)		

23 08 47 17.4 29.7 N 114.3 W BAJA CALIFORNIA
H = 14 KM MAG 4.70- CGS

23	LC	eP	08 49 02.4	Z	0.7	7.9 (0)	7.0	4.78
		eL	08 51 06	R	0.9	5.2 (1)		
23	DH	eL	09 05 35.5	Z	0.8	1.1 (1)	33.0	
23	NP	eL	08 56 12	LZ	34	3.6 (3)		
23	NP	eL	09 01 05	LZ	19	9.6 (3)		

23 10 20 10.2 30.0 N 113.9 W GULF OF CALIFORNIA
H = 14 KM MAG 4.10- CGS

23	LC	eP	10 21 47.1	Z	0.7	3.1 (0)	7.0	4.38
		eL	10 23 40	LZ	15	2.0 (3)		
		eL	10 23 42	R	0.9	5.9 (0)		

23 10 53 18.4 30.4 N 113.5 W GULF OF CALIFORNIA
H = 14 KM MAG 4.30- CGS

23	LC	eP	10 54 50.7	Z	0.7	1.5 (0)	6.0	3.85
		eL	10 56 52	LZ	15	1.4 (3)		
		eL	10 56 57	R	1.2	3.4 (1)		

23 18 08 15.8 16.7 S 70.6 W SOUTHERN PERU
H =123 KM MAG 3.90- CGS

23 19 00 35.6 45.1 N 151.5 E KURILE ISLANDS
H = 45 KM MAG 4.60- CGS

23 19 30 19.4 20.2 S 178.1 W FIJI ISLANDS
H =515 KM MAG 4.70- CGS

23	LC	eP	19 42 06.5	Z	1.1	2.4 (1)	86.0	4.76
		e	19 44 11	Z	1.0	3.1 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	22 33 56.3		79.9 N 9 E	SVALBARD REGION				
			H = 33 KM	MAG 4.30-		CGS		
23	NP	eP	22 38 38.6	JZ	1.3	3.3 (1)	21.0	4.51
23	RK	eL	22 53 31	LT	26	5.7 (2)	41.0	
23	LV	eL	23 03 37	LZ	36	4.2 (2)	59.0	
23	23 13 28.6		52.3 N 173.4 W	ANDREANOF ALEUTIAN ISLANDS				
			H = 45 KM	MAG 4.50-		CGS		
24	01 41 41.2		17.1 S 173.2 W	TONGA ISLANDS REGION				
			H = 33 KM	MAG 4.10-		CGS		
24	MV	eP	01 57 43.0	Z	0.8	6.0 (0)		
24	LC	eP	03 45 00.0	Z	0.5	2.7 (0)		
24	LC	eL	03 46 51	T	0.7	4.0 (0)		
24	03 58 33.0		02.9 S 128.8 E	CERAM SEA				
			H = 42 KM	MAG 5.50-		CGS		
24	05 08 42.8		22.1 S 175.6 W	TONGA ISLANDS				
			H = 33 KM	MAG 5.10-		CGS		
24	MV	eP	05 20 47.8	Z	1.0	1.1 (1)	79.0	4.79
24	LC	eP	05 21 17.4	Z	1.1	2.0 (1)	85.0	5.17
		eLR	05 48 49	LZ	24	1.8 (2)		
						AVG.		4.98
24	05 13 23.5		21.9 S 175.8 W	TONGA ISLANDS				
			H = 33 KM	MAG 5.00-		CGS		
24	MV	eP	05 25 28.0	Z	0.9	7.6 (0)	79.0	4.66
24	LC	eP	05 25 59.0	Z	1.0	1.5 (1)	85.0	5.10
						AVG.		4.88
24	05 20 44.9		21.7 S 175.1 W	TONGA ISLANDS				
			H = 34 KM	MAG 4.60-		CGS		
24	LC	eP	05 33 17.0	Z	1.0	7.3 (0)	85.0	4.76

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	06 16 09.2		21.9 S 176.8 W	FIJI ISLANDS				
			H = 33 KM	MAG 4.50-		CGS		
24	LC	eP	06 28 48.4	Z	1.0	2.4 (0)	86.0	4.22
24	LC	eP	08 00 59.3	Z	0.8	9.8 (0)		
24	11 05 56.8		28.2 N 140.1 E	SOUTH OF HONSHU, JAPAN				
			H =260 KM	MAG 5.20-		CGS		
24	NP	eP	11 16 12.3	JZ	999.9	99.9 (9)	65.0	
24	MV	eP	11 17 32.5	Z	0.6	6.2 (0)	79.0	4.58
		epP	11 18 33	Z	1.2	1.5 (1)		
24	RK	eP	11 18 18.5	Z	0.7	99.9 (9)	88.0	
24	LC	eP	11 18 40.2	Z	0.8	2.7 (1)	93.0	5.37
							AVG.	4.97
24	11 53 56.0		48.1 N 148.0 E	KURILE ISLANDS				
			H = 40 KM	MAG 4.40-		CGS		
24	NP	eP	12 02 05.8	JZ	1	3.8 (0)	45.0	4.20
24	NP	eP	12 24 23.1	JZ	1	9.5 (0)		
24	15 31 29.4		06.1 S 147.6 E	COAST OF N. E. NEW GUINEA				
			H = 75 KM	MAG 4.60-		CGS		
24	LC	eP	16 26 40.2	Z	0.2	.5 (0)		
24	LC	eL	16 28 43	T	0.7	2.3 (0)		
24	16 49 31.3		11.4 N 73.8 W	NORTHERN COLOMBIA				
			H =111 KM	MAG 4.10-		CGS		
24	NP	eP	17 00 30.0	JZ	1.2	7.6 (0)	69.0	4.39
24	17 48 47.0		61.8 N 149.5 W	CENTRAL ALASKA				
			H = 36 KM	MAG 4.30-		CGS		
24	17 56 02.2		44.3 N 149.3 E	KURILE ISLANDS				
			H = 50 KM	MAG 4.60-		CGS		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	NP	eP	18 04 33.5	JZ	1.5	1.6 (1)	48.0	4.80
		ePCP	18 06 04	JZ	.9	5.0 (0)		
		eLR	18 25 25	LZ	30	1.5 (3)		
24	RK	eP	18 07 13.2	Z	0.6	1.0 (1)	71.0	4.98
		e	18 07 26	Z	0.7	1.4 (1)		
24	LC	eP	18 07 52.3	Z	1.0	2.4 (0)	77.0	4.14
24	HW	eLR	18 24 08	LZ	18	3.6 (2)	51.0	
							AVG.	4.64
24	18 09 08.7		46.4 N 150.0 E KURILE ISLANDS					
			H = 40 KM MAG 4.90- CGS					
24	RK	eP	18 20 10.5	Z	0.7	1.6 (1)	69.0	5.22
24	LC	eP	18 20 50.8	Z	0.7	2.4 (0)	76.0	4.33
24	DH	eP	18 21 33.2	Z	0.8	1.2 (1)	83.0	5.06
							AVG.	4.87
24	LV	eL	18 18 44	LZ	18	5.7 (2)		
24	19 23 13.8		45.6 N 151.6 E KURILE ISLANDS					
			H = 33 KM MAG 4.20- CGS					
24	LC	eP	19 37 30.0	Z	0.6	1.5 (0)		
24	LC	eL	19 39 22	LR	19	4.9 (2)		
24	LC	eL	19 39 26	T	0.7	4.0 (0)		
24	LC	eP	20 14 57.2	Z	0.2	1.2 (1)	1.4	
		eS	20 15 17	T	0.3	1.5 (1)		
24	LC	eP	22 34 39.2	Z	0.3	.4 (0)	3.0	
		eS	22 35 17	T	0.4	2.4 (0)		
24	22 58 16.8		56.1 S 27.5 W SANDWICH ISLANDS					
			H = 33 KM MAG 5.60- CGS					
24	NP	eP*1	23 17 45.0	JZ	.8	8.8 (0)	144.0	
25	00 51 02.1		16.3 S 174.6 W FIJI ISLANDS REGION					
			H =196 KM MAG 4.40- CGS					
25	03 49 13.3		44.8 N 149.4 E KURILE ISLANDS					
			H = 40 KM MAG 4.30- CGS					
25	06 43 23.5		45.4 N 151.4 E KURILE ISLANDS					
			H = 50 KM MAG 4.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	06 50 08.8		06.9 N 73.3 W COLOMBIA					
			H =167 KM MAG 4.20- CGS					
25	LC	eP	06 57 32.1	Z	0.9	9.6 (0)	40.0	4.43
25	RK	eP	06 58 25.0	Z	0.6	2.2 (1)	47.0	4.90
							AVG.	4.66
25	NP	eP	07 22 40.0	JZ	1.3	1.1 (1)		
25	LV	eL	07 35 30	LZ	20	2.8 (2)		
25	08 54 06.1		45.0 N 149.2 E KURILE ISLANDS					
			H = 33 KM MAG 4.60- CGS					
25	10 02 23.8		44.3 N 149.5 E KURILE ISLANDS					
			H = 55 KM MAG 4.90- CGS					
25	NP	eP	10 11 06.3	JZ	1	2.2 (1)	48.0	5.08
25	RK	eP	10 13 33.9	Z	0.9	2.7 (1)	71.0	5.23
25	LC	eP	10 14 13.0	Z	1.0	4.9 (0)	77.0	4.43
25	DH	eP	10 14 52.5	Z	0.9	7.6 (0)	85.0	4.77
		eL	10 49 20	LR	25	4.6 (2)		
25	HW	ePS	10 18 55	LT	17	1.0 (3)	51.0	
		eLQ	10 23 41	LR	24	1.4 (3)		
		eLR	10 26 00	LZ	25	5.6 (2)		
							AVG.	4.87
25	10 11 04.8		44.1 N 149.9 E KURILE ISLANDS					
			H = 45 KM MAG 4.80- CGS					
25	LC	eP	10 22 55.4	Z	0.9	2.9 (0)	77.0	4.27
		eL	10 43 45	LZ	25	1.7 (2)		
25	10 11 06.7		44.3 N 149.8 E KURILE ISLANDS					
			H = 50 KM MAG 4.80- CGS					
25	NP	eP	10 19 39.6	JZ	1.1	2.5 (1)	48.0	5.12
		eL	10 31 55	LT	23	1.2 (3)		
25	RK	eP	10 22 16.4	Z	0.8	1.3 (1)	71.0	4.97
		eL	10 41 42	LZ	27	4.4 (2)		
25	MV	eL	10 48 55	LZ	22	3.7 (2)	63.0	
							AVG.	5.04

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25			45.4 N 151.7 E KURILE ISLANDS					
			H = 50 KM MAG 4.50- CGS					
25	LC	eP	12 53 49.8	Z	0.7	1.2 (1)		
25	LC	e	12 54 45	R	0.5	5.0 (0)		
25	LV	eL	15 49 18	LZ	20	1.9 (2)		
25	16	46 36.2	22.6 N 121.3 E NEAR EAST COAST OF TAIWAN					
			H = 33 KM MAG 4.70- CGS					
25	17	53 36.8	06.8 N 73.0 W COLUMBIA					
			H =160 KM MAG 4.00- CGS					
25	LC	eP	18 01 00.2	Z	0.9	5.8 (0)	40.0	4.23
25	LC	eP	18 03 30.9	Z	0.3	5.5 (0)	1.4	
		eS	18 03 51	T	0.3	1.4 (1)		
25	LC	eP	19 15 28.0	Z	0.9	8.7 (0)		
25	LC	eP	20 58 11.2	Z	0.9	1.9 (1)		
26	MV	eP	02 42 08.6	Z	0.3	1.2 (0)	1.2	
		eS	02 42 25	R	0.4	6.6 (0)		
26	02	58 34.7	26.9 S 176.5 W KERMADEC ISLANDS REGION					
			H = 46 KM MAG 4.20- CGS					
26	LC	eL	03 42 30	LZ	20	1.2 (2)	89.0	
26	LC	eP	04 02 57.9	Z	0.7	3.6 (0)		
26	MV	eP	04 17 23.6	Z	0.2	1.5 (1)	1.6	
		eS	04 17 46	R	0.4	4.1 (1)		
26	06	52 08.2	06.8 S 129.6 E BANDA SEA					
			H =111 KM MAG 5.10- CGS					
26	LC	eP'	07 10 53.7	Z	1.0	6.1 (0)	122.0	
		ePKKP	07 20 50	Z	1.0	7.3 (0)		
26	RK	eP'	07 10 53.9	Z	0.6	1.2 (1)	123.0	
26	NP	eP	07 47 25.5	JZ	.9	6.0 (0)		
26	NP	e	07 51 20	JZ	1	6.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	08	47 17.0	07.1 S 129.2 E BANDA SEA					
			H =117 KM MAG 4.70- CGS					
26	16	19 48.8	34.9 N 27.4 E CRETE REGION					
			H = 33 KM MAG 4.50- CGS					
26	LC	eL	17 22 53	LZ	15	1.1 (2)		
26	18	00 33.0	32.5 S 71.2 W SOUTHERN CHILE					
			H =140 KM MAG 4.20- CGS					
26	LC	eP	18 11 47.1	Z	0.7	2.4 (0)	73.0	4.11
26	DH	eP	18 25 56.5	Z	0.4	6.8 (0)	1.9	
		eS	18 26 21	R	0.4	2.6 (1)		
26	DH	eP	19 35 24.1	Z	0.3	25.4 (1)	1.7	
		eS	19 35 47	R	0.5	3.7 (1)		
26	20	01 08.1	09.5 S 155.5 E SOLOMON ISLANDS REGION					
			H = 33 KM MAG 4.60- CGS					
26	LC	eP	20 20 50.0	Z	0.3	1.8 (0)	3.0	
		eS	20 21 27	T	0.5	4.2 (0)		
26	MV	eP	21 14 24.3	Z	0.2	1.5 (0)	3.9	
		e	21 14 31	Z	0.5	3.1 (0)		
		eS	21 15 29	T	0.9	3.1 (1)		
26	MV	eL	22 15 30	LZ	14	5.7 (2)		
26	RK	eL	22 27 20	LZ	16	3.0 (2)		
26	22	50 08.9	16.6 S 175.2 E FIJI ISLANDS REGION					
			H = 33 KM MAG 5.30- CGS					
26	MV	eP	23 02 23.5	Z	1.4	3.1 (1)	81.0	5.09
		eP	23 02 25	LZ	10	3.4 (2)		
		eSKS	23 12 40	LT	27	9.0 (2)		
		ePS	23 13 38	LT	32	2.1 (3)		
		eSS	23 17 18	LT	27	8.1 (2)		
		eLQ	23 22 25	LT	39	2.4 (3)		
		eLR	23 27 13	LZ	28	3.0 (3)		
26	LC	eP	23 03 04.1	Z	1.1	7.8 (0)	89.0	4.82
		eP	23 03 05	LZ	17	1.3 (2)		
		eS	23 13 39	LR	17	5.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePS	23 15 00	LR	21	1.3 (3)		
		eSS	23 19 51	LR	22	1.3 (3)		
		eLQ	23 27 15	LT	22	6.0 (2)		
		eLR	23 31 01	LZ	24	1.4 (3)		
		eL	23 34 16	LT	24	1.4 (3)		
		eL	23 34 16	LR	22	1.5 (3)		
		eL	23 34 16	LZ	22	1.8 (3)		
26	HW	eS	23 05 28	LR	14	7.1 (3)	46.0	
		eLR	23 11 20	LZ	29	6.5 (3)		
26	LV	ePP	23 08 01	LZ	11	6.0 (2)	101.0	
		eSP	23 17 10	LZ	18	1.1 (3)		
		eLR	23 37 35	LZ	30	2.3 (3)		
26	RK	eSP	23 17 25	LZ	24	6.4 (2)	103.0	
		eSS	23 23 20	LR	25	1.4 (3)		
		eSSS	23 27 10	LT	16	5.7 (2)		
		eLR	23 38 35	LZ	28	1.1 (3)		
26	DH	eSP	23 19 36	LZ	18	9.5 (2)	116.0	
		eSS	23 26 15	LR	27	15.0 (4)		
		eLQ	23 44 28	LR	33	12.2 (4)		
		eLR	23 49 30	LZ	21	2.2 (3)		
		eL	23 54 55	LT	20	1.0 (3)		
		eL	23 54 55	LR	19	15.6 (4)		
		eL	23 54 55	LZ	19	2.6 (3)		
26	NP	eL	23 38 50	LZ	25	8.7 (2)	100.0	
							AVG.	4.95
26	MV	eP	23 48 50.1	Z	0.3	2.4 (0)	1.0	
		eS	23 49 03	T	0.3	5.8 (0)		
27	DH	eL	01 03 15	LZ	20	3.5 (2)		
27	MV	eL	01 09 55	LZ	28	2.0 (2)		
27	02 19 41.9		16.6 S 72.1 W	SOUTHERN PERU				
			H = 79 KM MAG	4.90-	CGS			
27	DH	eP	02 29 33.7	Z	1.0	3.8 (1)	59.0	5.38
		eL	02 50 14	LT	35	3.5 (2)		
27	LC	eP	02 29 34.9	Z	0.8	3.0 (0)	59.0	4.38
		eL	02 53 27	LZ	23	1.5 (2)		
27	RK	eP	02 30 45.1	Z	0.8	1.4 (1)	70.0	4.91
		e	02 31 00	Z	0.9	5.3 (1)		
		ePCP	02 31 07	Z	0.8	2.2 (1)		
		eL	02 55 26	LT	35	3.5 (2)		
27	LV	eL	02 46 42	LZ	29	4.7 (2)	52.0	
							AVG.	4.89
27	LC	eP	03 43 40.5	Z	1.0	3.7 (0)		
27	LC	eP	06 33 20.3	Z	0.8	1.5 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	07 41 01.3		23.3 S 65.8 W	JUJUY PROVINCE, ARGENTINA				
			H =164 KM MAG	4.50-	CGS			
27	LC	eP	07 51 42.4	Z	1.0	4.9 (0)	68.0	4.23
27	07 55 17.0		42.0 N 76.5 E	KAZAKH S. S. R.				
			H = 33 KM					
27	NP	eP	08 05 32.1	JZ	.8	1.6 (1)	62.0	5.25
		e	08 05 36	JZ	.6	2.7 (1)		
27	09 21 58.1		46.6 N 152.6 E	KURILE ISLANDS				
			H = 45 KM MAG	4.40-	CGS			
27	09 40 41.0		07.2 N 73.3 W	COLOMBIA				
			H =114 KM MAG	4.00-	CGS			
27	LC	eP	09 48 04.9	Z	0.9	7.7 (0)	40.0	4.49
27	LC	eP	11 35 54.5	Z	0.5	.4 (0)		
27	LC	eL	11 37 44	T	0.6	2.0 (0)		
27	13 13 11.0		07.5 S 127.7 E	BANDA SEA				
			H = 33 KM MAG	4.40-	CGS			
27	13 58 58.4		03.1 N 126.6 E	MOLUCCA PASSAGE				
			H = 33 KM MAG	4.80-	CGS			
27	LC	eP'	14 17 47.1	Z	0.8	4.5 (0)	119.0	
		ePKKP	14 28 06	Z	0.8	1.5 (0)		
		eL	14 54 05	LZ	32	1.0 (2)		
27	MV	eL	14 47 22	LZ	34	6.1 (2)	105.0	
27	RK	eL	14 55 48	LZ	35	2.1 (2)	116.0	
27	LV	eL	15 00 57	LZ	31	4.1 (2)	129.0	
27	LC	eL	18 39 26	LZ	25	8.5 (1)		
27	20 18 01.0		45.8 N 151.8 E	KURILE ISLANDS REGION				
			H = 40 KM MAG	4.40-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	MV	eP	20 28 18.7	Z	1.3	6.7 (0)	61.0	4.57
27	RK	eP	20 29 05.5	Z	0.9	3.5 (0)	68.0	4.44
		eL	20 59 55	LZ	20	2.2 (2)		
							AVG.	4.50
27	LC	eP	21 07 35.0	Z	0.3	1.8 (1)	1.3	
		eS	21 07 53	R	0.4	7.8 (0)		
27	21 10 39.9		30.8 N 79.1 E NORTHERN INDIA H = 33 KM MAG 5.10- CGS					
27	NP	eP	21 22 05.8	JZ	.6	3.4 (1)	73.0	3.56
27	LC	eP	23 34 05.9	Z	1.0	2.4 (0)		
27	LC	eL	23 41 15	LZ	19	8.9 (1)		
27	MV	eP	23 45 23.3	Z	0.4	1.2 (0)	2.8	
		eS	23 45 58	T	0.6	6.0 (0)		
28	2 44 36.3		19.1 N 69.4 W N. COAST OF DOMINICAN REP. H = 48 KM MAG 4.30- CGS					
28	LC	eP	02 51 33.6	Z	1.0	1.2 (1)	36.0	4.74
		eL	03 06 52	LZ	25	8.1 (1)		
28	LV	eL	02 58 05	LZ	24	2.0 (2)	24.0	
28	3 14 02.4		44.3 N 114.8 W CENTRAL IDAHO H = 33 KM MAG 3.50- CGS					
28	3 19 00.0		19.1 N 69.5 W DOMINICAN REPUBLIC H = 33 KM MAG 4.10- CGS					
28	NP	eP	05 09 00.9	JZ	1.2	1.4 (1)		
28	8 28 19.8		12.0 S 167.5 E SANTA CRUZ ISLANDS H =259 KM MAG 4.60- CGS					
28	8 41 31.0		10.9 N 41.4 W NORTH ATLANTIC OCEAN H = 33 KM MAG 4.70- CGS					
28	LC	eP	08 52 00.2	Z	0.8	6.1 (0)	63.0	4.72

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	11 16 21.0		08.3 N 124.5 E NEAR COAST MINDANAO, P. I. H = 57 KM MAG 5.80- CGS					
28	NP	eP	11 29 06.3	JZ	1	2.5 (1)	88.0	5.33
28	13 05 22.9		45.3 N 150.0 E KURILE ISLANDS H = 33 KM MAG 4.30- CGS					
28	15 07 50.8		12.1 S 166.1 E SANTA CRUZ ISLANDS H = 33 KM MAG 4.50- CGS					
28	MV	eL	15 48 23	LZ	23	3.0 (2)	84.0	
28	LV	eL	15 55 14	LZ	15	3.0 (2)	106.0	
28	DH	eL	16 10 50	LZ	21	5.5 (2)	119.0	
28	15 13 11.0		52.2 N 174.2 E NEAR ALEUTIAN ISLANDS H = 33 KM MAG 5.40- CGS					
28	NP	iP	15 19 57.2C	JZ	.7	3.6 (1)	34.0	5.39
		e	15 20 08	JZ	.9	4.4 (1)		
		ePCP	15 22 32	JZ	.9	2.6 (1)		
		eL	15 33 55	LZ	20	6.3 (2)		
28	MV	eP	15 21 28.9	Z	0.8	2.0 (0)	45.0	4.05
		ePCP	15 23 08	Z	0.8	7.2 (0)		
		ePP	15 23 19	Z	0.8	8.3 (0)		
		eL	15 35 00	LZ	25	7.9 (2)		
28	RK	iP	15 22 30.1C	Z	0.6	5.5 (1)	53.0	5.70
		e	15 22 38	Z	0.7	1.8 (1)		
		e	15 22 41	Z	0.8	5.0 (1)		
		ePCP	15 23 36	Z	0.9	5.8 (1)		
		eL	15 39 35	LR	28	9.8 (2)		
28	LC	eP	15 23 09.4	Z	0.7	4.3 (0)	59.0	4.59
		e	15 23 19	Z	0.7	1.1 (1)		
		ePCP	15 24 02	Z	0.9	1.9 (1)		
		eL	15 41 55	LZ	29	4.6 (2)		
28	DH	eP	15 24 11.7	Z	0.8	6.0 (1)	69.0	5.75
		eL	15 52 49	LR	22	2.8 (2)		
28	HW	eL	15 32 44	LZ	28	9.5 (2)	40.0	
							AVG.	5.09
28	LC	eP	16 39 52.6	Z	1.0	2.4 (0)		
28	LC	eL	16 49 50	LZ	15	1.6 (2)		
28	18 14 17.0		27.4 S 179.1 E KERMADEC ISLANDS REGION H =593 KM MAG 4.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	19 26 25.5		12.2 S 165.9 E SANTA CRUZ ISLANDS H = 25 KM MAG 4.10- CGS					
28	HW	eL	19 49 04	LZ	25	4.3 (2)	50.0	
28	MV	eL	20 08 03	LZ	24	2.0 (2)	85.0	
28	LC	eL	20 13 02	LZ	24	3.8 (2)	94.0	
28	LV	eL	20 23 15	LZ	22	4.1 (2)	107.0	
28	19 57 55.7		07.0 S 129.3 E BANDA SEA H =101 KM					
28	19 57 56.7		07.1 S 129.4 E BANDA SEA H =113 KM MAG 4.60- CGS					
28	HW	eL	20 25 28	LZ	20	8.2 (2)		
28	23 18 19.8		43.6 N 150.6 E KURILE ISLANDS H = 33 KM MAG 4.40- CGS					
29	MV	eP	01 36 36.2	Z	0.3	9.9 (0)	2.3	
		eS	01 37 04	R	0.4	9.1 (0)		
29	01 58 45.0		15.1 S 73.7 W SOUTHERN PERU H =124 KM MAG 4.70- CGS					
29	LC	eP	02 08 18.1	Z	0.8	6.8 (0)	57.0	4.66
29	LC	eP	03 18 46.0	Z	0.9	2.8 (0)		
29	RK	eP	04 37 28.9	Z	0.6	1.0 (1)		
29	LC	eP	04 57 31.0	Z	0.9	1.9 (0)		
29	RK	eL	05 10 49	LZ	15	2.5 (2)		
29	08 48 56.7		39.1 N 118.2 W WESTERN NEVADA H = 33 KM MAG 3.70- CGS					
29	MV	eP	08 49 36.9	Z	0.4	1.1 (0)	2.4	
		eS	08 50 14	R	0.5	1.9 (1)		
29	10 21 53.0		12.2 S 166.0 E SANTA CRUZ ISLANDS H = 54 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	HW	eL	10 43 09	LZ	22	4.2 (2)	49.0	
29	MV	eL	11 01 07	LZ	20	2.0 (2)	85.0	
29	LC	eL	11 05 44	LZ	24	1.3 (2)	94.0	
29	LV	eL	11 14 53	LZ	24	4.6 (2)	107.0	
29	DH	eL	11 24 58	LZ	24	3.0 (2)	120.0	
29	LV	eL	12 00 54	LZ	29	5.8 (2)		
29	LC	eL	12 02 40	LZ	19	9.2 (1)		
29	MV	eL	12 10 41	LZ	26	1.6 (2)		
29	14 09 11.4		44.6 N 149.8 E KURILE ISLANDS H = 50 KM MAG 4.60- CGS					
29	NP	eP	14 17 42.8	JZ	1	1.2 (1)	47.0	4.86
29	HW	eL	14 37 05	LZ	19	2.2 (2)	51.0	
29	14 49 26.6		23.7 N 143.2 E BONIN ISLANDS REGION H = 33 KM MAG 5.20- CGS					
29	NP	eP	15 00 28.2	JZ	1.3	6.8 (1)	69.0	5.59
		e	15 00 30	JZ	1.3	5.7 (1)		
29	MV	eP	15 01 30.9	Z	1.3	1.9 (1)	79.0	4.92
		eL	15 25 35	LZ	34	2.4 (2)		
29	LC	eP	15 02 38.6	Z	1.2	1.3 (1)	93.0	5.23
		eL	15 32 50	LZ	24	7.9 (1)		
29	HW	eL	15 18 00	LZ	20	3.2 (2)	56.0	
							AVG.	5.24
29	15 14 39.0		42.5 N 13.3 E ITALY H = 33 KM MAG 4.20- CGS					
29	18 33 23.0		05.3 S 151.6 E NEW BRITAIN H = 58 KM MAG 5.00- CGS					
29	HW	eL	19 02 35	LZ	17	2.5 (2)	58.0	
29	MV	eL	19 15 43	LZ	27	1.5 (2)	91.0	
29	LC	eL	19 17 13	LZ	18	7.0 (1)	103.0	
29	18 55 23.6		17.3 S 178.4 W FIJI ISLANDS H =528 KM MAG 4.40- CGS					
29	MV	eP	19 06 25.6	Z	1.0	8.3 (0)	77.0	4.12

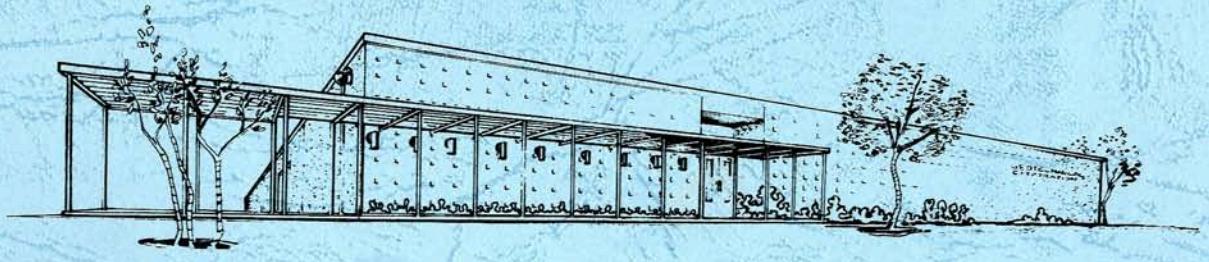
DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC	eP	19 07 03.0	Z	1.0	7.4 (0)	85.0	4.27
		epP	19 09 06	Z	1.0	2.4 (0)		
						AVG.		4.19
29	LC	eP	19 28 18.0	Z	1.0	4.9 (0)		
29	19 46 17.1		44.1 N 149.5 E KURILE ISLANDS					
			H = 50 KM MAG 4.50- CGS					
29	HW	eL	20 02 30	LZ	23	2.1 (2)		
29	MV	eL	20 25 45	LZ	20	1.4 (2)		
29	LC	eL	20 28 38	LZ	19	6.7 (1)		
29	LC	eP	20 41 11.6	Z	0.3	1.3 (1)	1.4	
		eS	20 41 31	R	0.3	8.1 (0)		
29	20 49 30.1		36.3 N 122.2 W NEAR COAST CENTRAL CALIF.					
			H = 14 KM MAG 4.50- CGS					
29	MV	eP	20 50 15.8	Z	0.3	7.4 (0)	2.9	
		eS	20 50 44	R	0.6	2.1 (1)		
29	22 21 49.0		49.0 N 148.3 E KURILE ISLANDS					
			H = 33 KM MAG 4.10- CGS					
29	23 58 55.7		17.9 S 178.8 W FIJI ISLANDS					
			H =608 KM MAG 4.40- CGS					
30	LC	eP	00 16 20.3	Z	0.4	0.4 (0)		
30	LC	eL	00 18 15	R	0.5	0.9 (0)		
30	HW	eP	04 03 12.8	Z	999.9	99.9 (9)	0.8	
		eS	04 03 23	T	999.9	99.9 (9)		
30	HW	eP	04 51 32.3	Z	0.2	41.4 (0)	0.1	
		eS	04 51 35	R	0.2	34.6 (1)		
30	MV	eP	06 24 46.7	Z	0.4	1.1 (0)	2.2	
		eS	06 25 15	R	0.6	3.5 (0)		
30	09 47 59.0		01.6 N 128.4 E HALMAHERA REGION					
			H = 61 KM MAG 5.50- CGS					
30	HW	eP	09 59 45.0	Z	0.7	43.2 (0)	76.0	5.50
		eLR	10 22 53	LZ	26	45.2 (4)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	NP	eP	10 01 10.0	JZ	1.2	10.7 (1)	94.0	6.11
		e	10 01 31	JZ	1.5	87.7 (0)		
30	RK	eP'	10 06 37.0	Z	0.4	7.6 (0)	117.0	
30	LC	eP'	10 06 42.2	Z	1.0	2.5 (0)	118.0	
		e	10 07 03	Z	1.0	5.0 (0)		
		eSP	10 17 35	LZ	23	58.4 (3)		
		eLR	10 42 19	LZ	23	51.6 (3)		
30	MV	eLR	10 35 55	LZ	24	17.6 (4)	105.0	
		eL	10 38 18	LR	25	13.5 (4)		
		eL	10 38 18	LT	25	84.3 (3)		
		eL	10 38 18	LZ	24	17.6 (4)		
30	LV	eLR	10 48 32	LZ	38	24.4 (4)	129.0	
30	11 29 46.4		51.9 N 174.2 E ALEUTIAN NEAR ISLANDS					
			H = 33 KM MAG 4.20- CGS					
30	NP	eP	11 36 35.1	JZ	.6	33.0 (1)	35.0	5.44
30	RK	eP	11 39 05.7	Z	0.4	4.2 (0)	54.0	4.82
30	LC	eP	11 39 44.3	Z	0.8	1.4 (0)	59.0	4.07
30	RK	eP	13 02 35.0	Z	0.2	2.3 (0)	2.3	
		eS	13 03 04	R	0.2	14.0 (0)		
30	LC	eP	16 37 03.2	Z	0.5	0.9 (0)		
30	LC	e	16 38 07	Z	0.5	2.3 (0)		
30	LC	eL	16 38 47	R	0.6	8.2 (0)		
30	RK	eP	17 03 17.2	Z	0.2	2.3 (0)	3.4	
		eS	17 04 06	R	0.2	14.0 (0)		
30	21 40 20.3		06.6 N 94.2 E NICOBAR ISLANDS					
			H = 33 KM MAG 5.30- CGS					

Bulletin No. 24
December 1963

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM



THE GEOTECHNICAL CORPORATION

3401 SHILOH ROAD GARLAND, TEXAS

GEOTECH

NOTICE

Please destroy previous LRSM Seismological Bulletin No. 24 for December 1963 and replace with this copy.

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

AFTAC Project No:	VT/4051
ARPA Order No:	104-60
ARPA Code No:	8100
Contractor:	The Geotechnical Corporation Garland, Texas
Contract No:	AF 33(657)-12145

Bulletin No. 24
December 1963

August 1964

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ILLUSTRATIONS

* * * * * * *

TABLES

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

1. INTRODUCTION

1.1 This bulletin contains seismological data on earthquake phases recorded at 7 of the 40 mobile seismological stations being operated by The Geotechnical Corporation (Geotech) under Project VT/4051, Contract AF 33(657)-12145, the Long-Range Seismic Measurements (LRSM) Program. The bulletin is intended to be an aid to interested observers in determining the extent of the earthquake data contained in the records from the 40 teams.

1.2 The bulletin contains the following:

a. Data on all of the phases that have been associated with epicenters reported by the U. S. Coast and Geodetic Survey (USC&GS);

b. Data on the epicenters listed in the bulletin - as reported by the USC&GS;

c. Arrival time, period, amplitude, and distance for phase not associated with USC&GS epicenters.

1.3 All phases are listed in chronological order, except that unassociated phases are not mixed with a sequence of associated phases. In such cases, the unassociated phases are listed immediately following the associated phases.

2. INSTRUMENTATION

2.1 Instrumentation at each of the LRSM bulletin sites, with the exception of Mould Bay, Canada (NP NT), and Hawaii Island (HW IS), consists of a three-component Benioff short-period seismograph system and a three-component

Sprengnether long-period seismograph system. Both systems use phototube amplifiers. The response characteristics of these systems are shown in figures 1 and 2. A 14-element short-period vertical Benioff seismometer array is in operation at HW IS. A seven-element short-period Johnson-Matheson vertical seismometer array is in operation at NP NT. The response characteristics of this system are shown in figure 3. Both sites also operate a three-component Sprengnether long-period seismograph system.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by 14-channel Magnetic-Tape Recorders, Ampex Model 314. Sixteen-mm Film Develocorders, Geotech Model 4000C, are also in operation at HW IS. and NP NT.

2.3 Precision Timing Systems, Geotech Model 5400 or 5400A, are used for primary timing. Chronometers are used for secondary time. The primary and secondary timing systems use WWV for the time standard. WWV is a National Bureau of Standards radio station located at Beltsville, Maryland. The accuracy of the time program from WWV agrees with the U. S. Naval Observatory.

2.4 Each system is calibrated at least once every 24 hours. In the short-period system calibration, an electromagnetic (EM) calibrator is used to determine the magnification as a function of frequency and a weight-lift calibration is used to verify the EM magnification at 1 cps. In the long-period systems, magnification is determined as a function of frequency using EM calibrators. No method of verification is used. In the EM method of calibration, the seismometer mass is driven by a known sinusoidal force and the magnification is calculated using the relationships between the sinusoidal force and the recorded amplitude.

3. INTERPRETATION OF COLUMN TITLES

3.1 COLUMN HEADINGS

The column titles appearing in this bulletin are defined as follows:

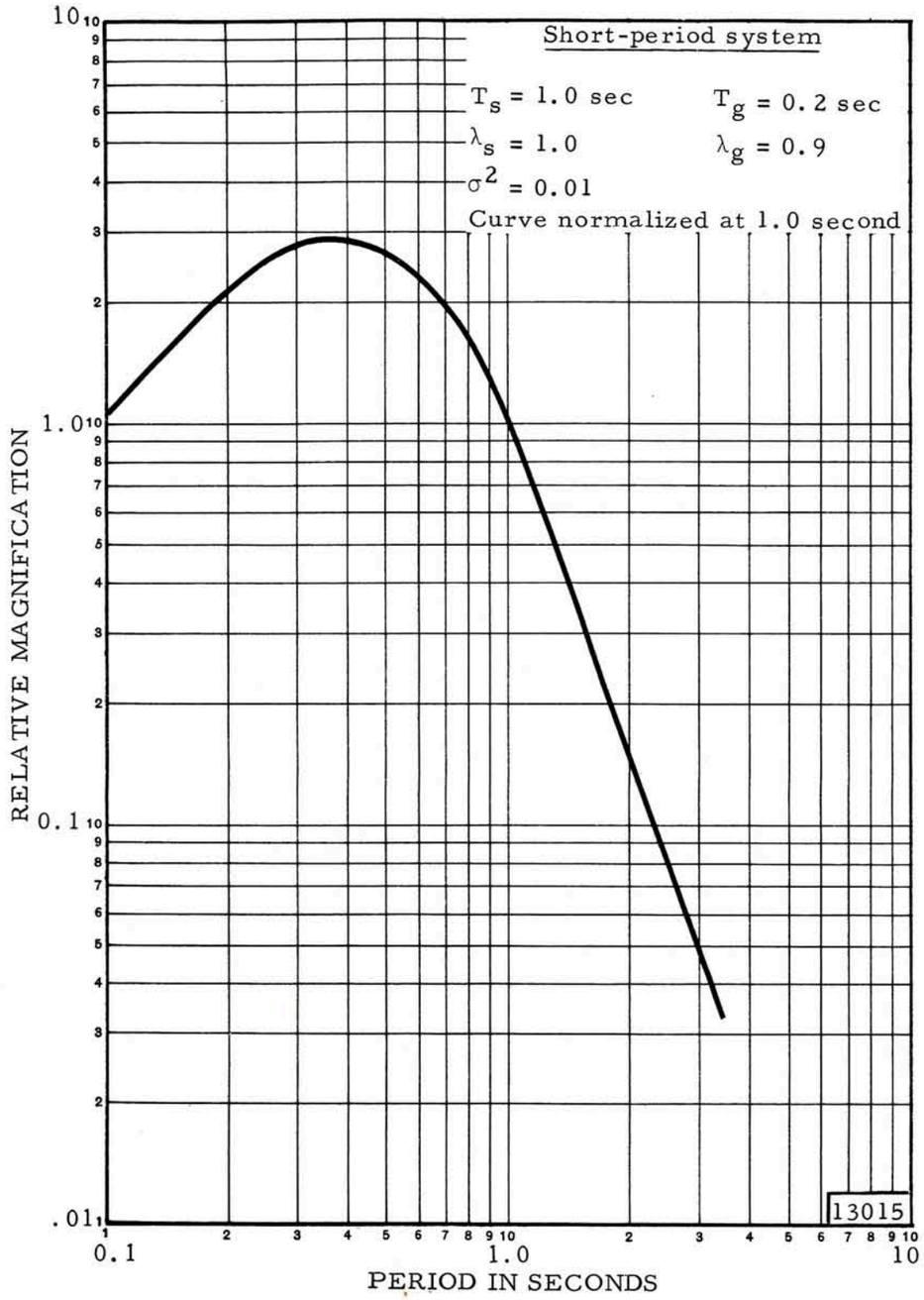


Figure 1. Frequency response of the Benioff short-period seismograph system

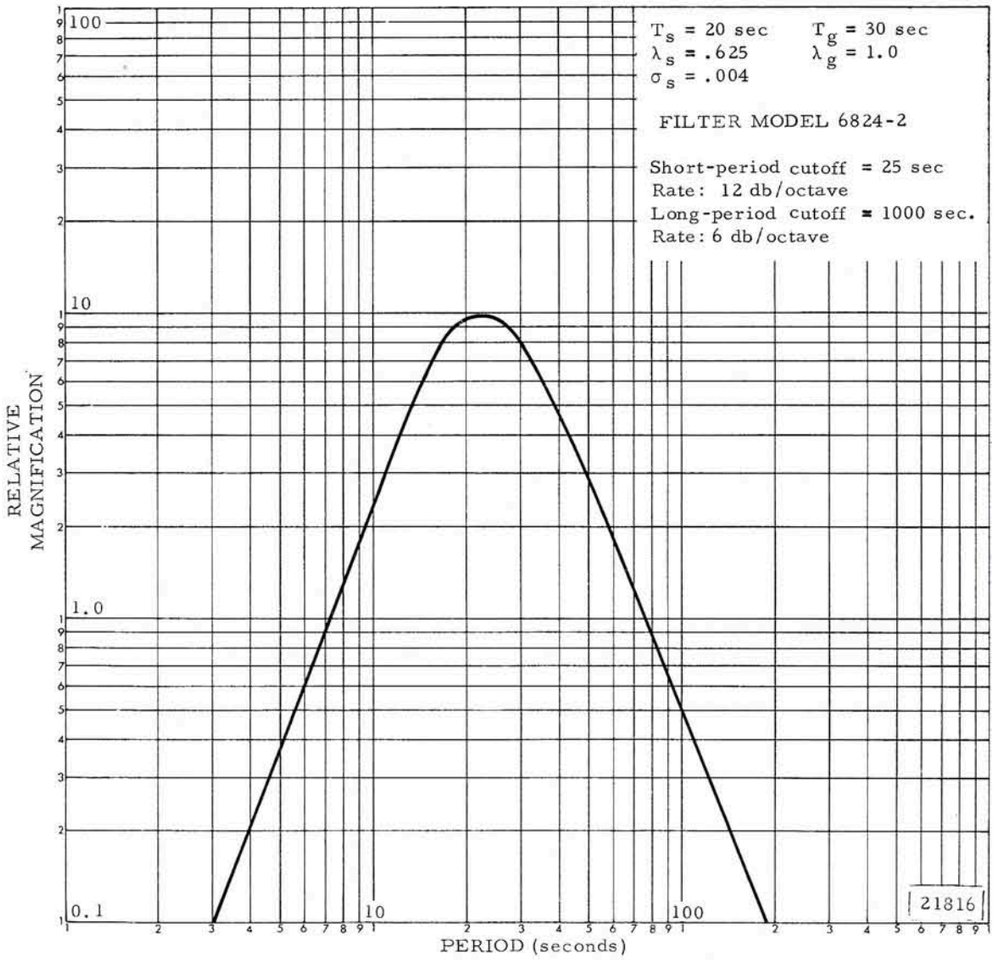


Figure 2. Frequency response of the Sprengnether long-period seismograph system

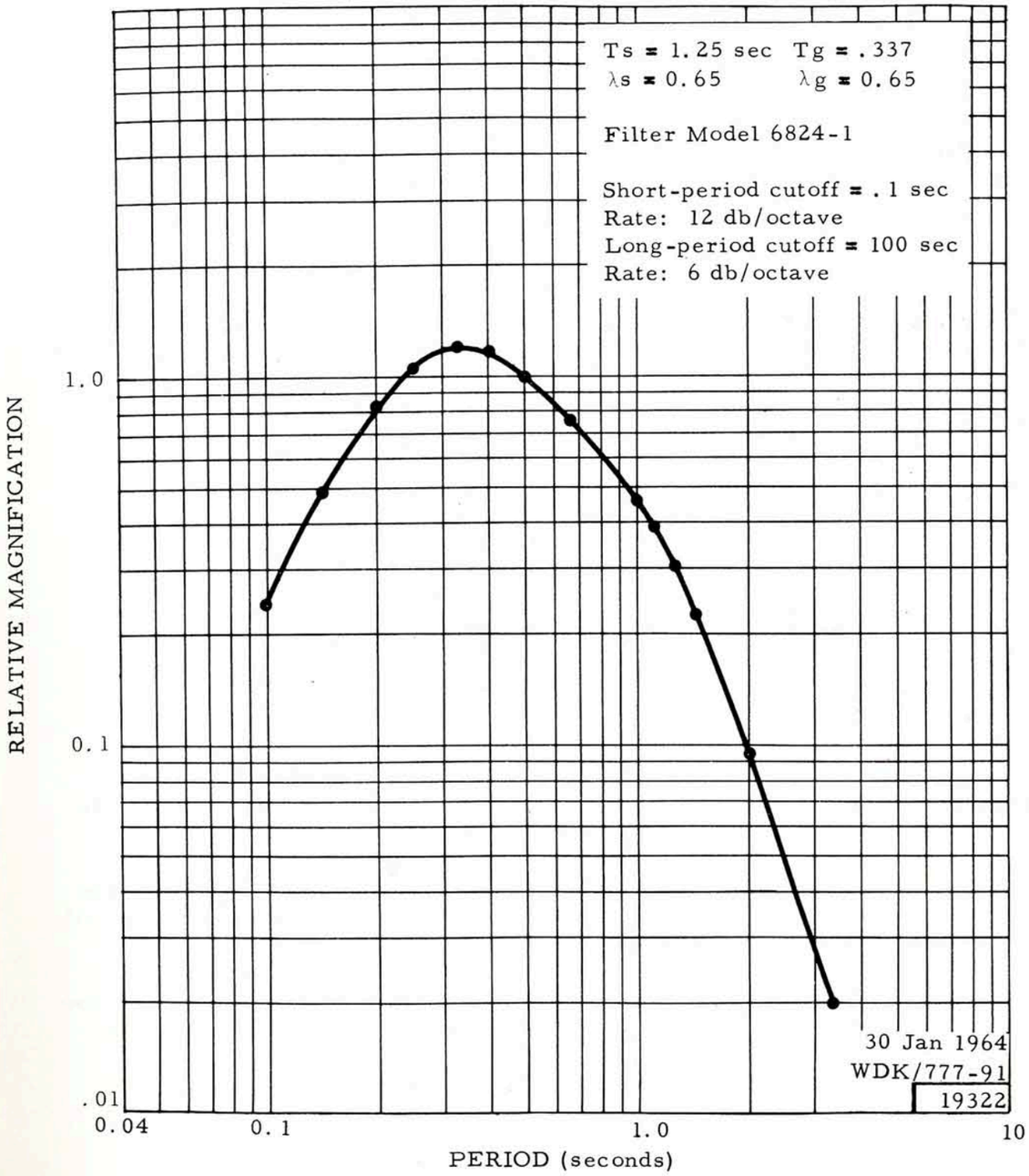


Figure 3. Frequency response of the Johnson-Matheson seismograph system

3.1.1 Day

The date, for the day of the month, is printed each time a new epicenter is listed and each time the station designator changes. Dates are given in Greenwich Civil Time (G.C.T.).

3.1.2 Sta

The station from which the data were taken. The station designators used in this bulletin are given in the following table:

Site Code	Site Designation
MV	Marysville, California
LC	Las Cruces, New Mexico
DH	Delhi, New York
RK	Red Lake, Ontario
LV	Liddieville, Louisiana
HW	Hawaii Island
NP	Mould Bay, Canada

The locations of the sites are shown in figures 4 and 5.

3.1.3 Phase

Symbols defining the phase type are listed in the phase column. Prefixes to the phase designators are defined as follows:

a. An "i" (impetus) preceding the phase designates a sharp or sudden beginning of the phase motion. Direction of first motion is discernible on all "i" phases.

b. An "e" (emersio) preceding the phase designates an emergent phase motion. The direction of the initial break cannot be positively determined.

c. An "i" or "e" alone designates an unidentified phase of either an impetus or emersio arrival.

3.1.4 Time

The arrival time of each phase is given in Greenwich Civil Time (G.C.T.). Arrival times indicate that time at which phase motion is first detected.

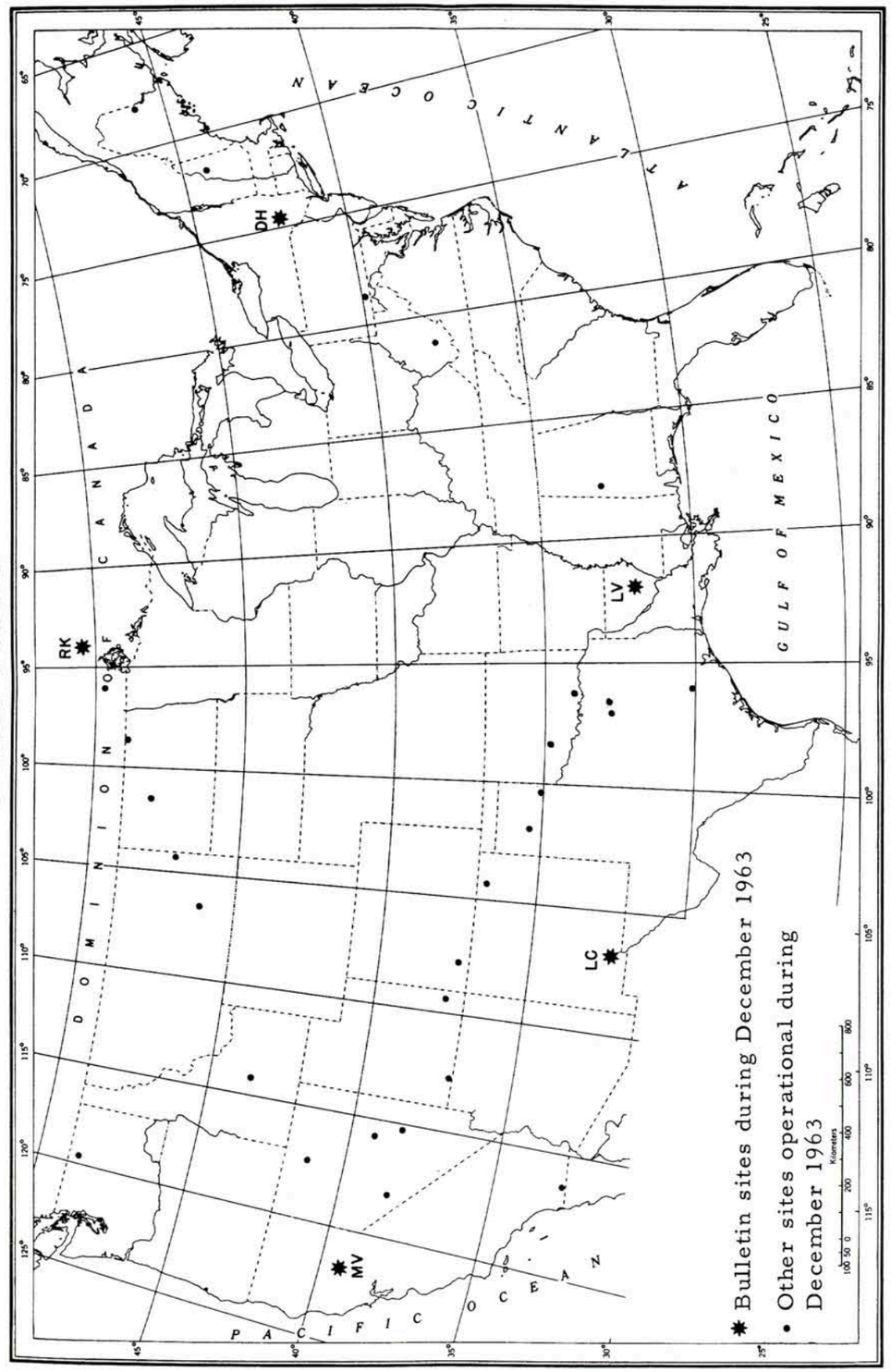


Figure 4. LRSM sites inside the continental United States and Canada during December 1963

Figure 5. LRSM bulletin sites outside the continental United States during December 1963

Arrival time is measured to the nearest one-tenth second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both systems. The direction of motion for iP arrivals is also noted in this field; either C (compression) or D (dilation) will appear immediately to the right of the tenths of second column.

3.1.5 Inst

The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows.

Z	Benioff short-period vertical
JZ	Johnson-Matheson short-period vertical
R[1]	Short-period radial (horizontal)
T[1]	Short-period transverse (horizontal)
LZ	Long-period vertical
LR[1]	Long-period radial (horizontal)
LT[1]	Long-period transverse (horizontal)

3.1.6 Per

The period, in seconds, of each phase. When possible, the period is determined from the first full cycle of the phase; otherwise, it is taken as the average period of the first three cycles. The digits 999.9 appearing in the period columns indicate that the signal period could not be measured.

3.1.7 Amp

This column contains the amplitude of the phase given in millimicrons (mμ) of ground displacement. The digit in parenthesis indicates the power to which the muliplier 10 is to be raised. For instance:

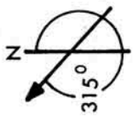
$$30.0\ (2) = 30 \times 10^{2} = 3000\ m\mu$$
$$30.0\ (1) = 30 \times 10^{1} = 300\ m\mu$$
$$30.0\ (0) = 30 \times 10^{0} = 30.0\ m\mu$$

All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 99.9 (9)

[1]Table 1 gives the instrument orientation of the horizontal seismometers.

Table 1. Bulletin site information

Site code	Site designation	Seismometer orientation (Azimuth from true north in degrees[1]) Trans-verse	Radial	Site coordinates in deg, min, sec		Elevation in km	Rock type
LC NM	Las Cruces, New Mexico	124	214	N 32 24 08 W 106 35 58		1.59	Limestone
RK ON	Red Lake, Ontario	058	148	N 50 50 20 W 93 40 20		0.37	Granite
MV CL	Marysville, California	295	025	N 39 12 47 W 121 17 35		0.18	Volcanics
HW IS	Hawaii Island	235	325	N 19 58 49 W 155 42 20		0.71	Basalt
LV LA	Liddieville, Louisiana	111	201	N 32 08 10 W 91 52 30		0.02	Alluvium
NP NT	Mould Bay, Canada	356	086	N 76 15 08 W 119 22 18		0.06	Alluvium
DH NY	Delhi, New York	095	185	N 42 14 39 W 74 53 18		0.65	Sandstone



[1]When earth moves in direction shown, trace moves up.

appearing in the amplitude columns indicate either a "clipped" signal or a trace amplitude too large to measure. When amplitudes are not calculated because of insufficient calibration data, the amplitude columns are left blank.

3.1.8 Dist

This is the distance from the recording station to the epicenter. All reported distances are calculated based on geocentric coordinates. Distance is given to the nearest one-tenth of a degree for distances up to 6 degrees. Beyond 6 degrees, calculations are made to the nearest 1 degree. Distances computed for unassociated data are determined from the S-P intervals. In some instances, surface groups are recorded which have traveled the major arc from the epicenter to the station. In such cases, the major arc distance is given.

3.1.9 Mag

The magnitudes provided are body wave magnitudes, m_b, as defined by Gutenberg and Richter[2]. They are determined only from the short-period vertical component of the "P" phase (initial arrival). The following equation is used:

$$m_b = \log_{10} (A/T) + Q$$

where

m_b = Body wave magnitude

A = One-half p-p earth amplitude of P phase, in microns

T = Period of P phase, in seconds

Q = Depth-distance factor for PZ given by Gutenberg and Richter[2], for distances greater than 16°.

Magnitude computations for distances less than 16° are based on AFTAC extensions of the Q tables. Points from 10° to 16° were read from a curve in the Gutenberg-Richter paper, and an inverse cube relationship was used to extrapolate from 2° to 10°.

[2]Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Ann. Geofis., vol. 9, pp. 1-15.

The average magnitude (sum of station magnitudes/number of stations) is listed on the last line of an epicenter print-out.

When possible, magnitudes are computed for foreshocks and aftershocks as well as for the main event.

3.2 ADDITIONAL INFORMATION

The notation FS located between the phase and the time columns calls attention to a foreshock recorded before the main event.

The notation AS located between these columns calls attention to an aftershock recorded after the main event.

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precedes each list of associated phases. This information appears as follows:

Line 1 (from left to right)

First group	Day of the month
Second group:	Origin time of the event
Third group:	Geographic coordinates of the epicenter
Fourth group:	Geographic description

NOTE

An asterisk (*) following the origin time indicates epicenters believed accurate to $1/2^{o}$ in latitude and longitude and to 50 km in depth.

Line 2 (from left to right)

First group:	Depth (h) of the hypocenter in kilometers

Second group:	Magnitude (MAG) as determined by Pasadena (PAS), Berkeley (BRK), Palisades (PAL), or USC&GS (CGS)

NOTE

MAG. (CGS) is m_b of Gutenberg and Richter from the P phase only. The magnitude quoted is an average value determined from data forwarded by cooperating Standard stations and other observatories.

5. REMARKS

The Geotechnical Corporation routinely receives and preprocesses data collected from the 40 field stations of the LRSM Program. Information on background levels, magnification levels, operational procedures, available records, and other data can be provided to VELA-UNIFORM participants and other interested organizations. Requests for such information should be made to the attention of:

HQ USAF (AFTAC)
VELA Seismological Center
Washington, D. C. 20333

ATTN: Captain Nicholas A. Orsini

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1			56.1 N 111.8 E LAKE BAIKAL REGION					
			H =033 KM MAG 5.30- CGS					
1	MV	eP	04 37 51.2	Z	0.9	2.7 (1)	75.0	5.21
		eL	05 08 50	LZ	23	1.7 (2)		
1	LC	eP	04 38 51.2	Z	0.8	1.4 (1)	86.0	5.09
1	NP	eL	04 51 01	LZ	9	1.2 (3)	44.0	
1	LV	eL	05 17 37	LZ	20	1.2 (2)	90.0	
							AVG.	5.15
1			07 46 55.3 03.9 S 146.3 E BISMARCK SEA					
			H =033 KM MAG 5.60- CGS					
1			08 50 42.* 38.3 S 73.9 W NEAR COAST CENTRAL CHILE					
			H =055 KM MAG 4.40- CGS					
1	LC	eP	09 02 28.2	Z	0.9	2.9 (0)	77.0	4.24
1			09 34 56.0 07.4 N 93.5 E NICOBAR ISLANDS					
			H =027 KM					
1			11 52 52.9 04.6 S 154.8 E SOLOMON ISLANDS REGION					
			H =479 KM MAG 4.60- CGS					
1			13 33 55.6 45.3 N 150.7 E KURILE ISLANDS					
			H =035 KM MAG 4.30- CGS					
1	RK	eP	14 20 20.3	Z	1.1	6.1 (0)		
1	RK	eP	15 02 21.5	Z	1.1	1.2 (1)		
1			15 50 31.1 45.9 N 152.5 E KURILE ISLANDS					
			H =033 KM MAG 4.10- CGS					
1			15 57 12.0 44.5 N 150.7 E KURILE ISLANDS					
			H =040 KM MAG 4.40- CGS					
1	NP	eP	16 05 43.5	JZ	.5	3.2 (0)	47.0	4.59
1			16 06 14.8 21.2 S 68.4 W NORTHERN CHILE					
			H =061 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1			16 15 01.* 28.9 N 130.0 E RYUKYU ISLANDS					
			H =031 KM MAG 4.80- CGS					
1	NP	eP	16 25 51.6	JZ	.9	4.0 (1)	67.0	5.56
1	MV	eP	16 27 34.0	Z	0.8	1.9 (0)	85.0	4.29
							AVG.	5.09
1			16 44 12.0 11.6 S 167.0 E SANTA CRUZ ISLANDS					
			H =033 KM MAG 4.50- CGS					
1	MV	eLR	17 25 30	LZ	20	1.5 (2)	84.0	
1	LC	eLR	17 30 00	LZ	18	1.1 (2)	93.0	
1	MV	eP	17 02 08.8	Z	0.3	1.1 (0)	3.3	
		e	17 02 17	Z	0.3	4.1 (0)		
		eS	17 02 50	R	0.5	5.3 (0)		
1			17 34 58.* 44.6 N 150.7 E KURILE ISLANDS					
			H =040 KM MAG 4.10- CGS					
1			17 44 33.* 44.9 N 150.3 E KURILE ISLANDS					
			H =040 KM MAG 4.40- CGS					
1			19 06 14.* 20.7 S 68.0 W CHILE BOLIVIA BORDER					
			H =033 KM MAG 4.30- CGS					
1	RK	eP	19 57 28.8	Z	0.6	6.1 (0)		
1	RK	eP	20 58 51.0	Z	0.2	4.5 (0)	2.4	
		eS	20 59 21	R	0.3	1.5 (1)		
1	MV	eP	21 55 19.1	Z	0.2	1.4 (0)	0.8	
		eS	21 55 30	R	0.3	1.2 (1)		
2			00 24 03.1 15.3 S 173.7 W SAMOA ISLANDS REGION					
			H =348 KM MAG 4.00- CGS					
2	LC	eP	00 35 34.9	Z	1.0	3.7 (0)	80.0	4.13
		eL	00 59 42	LZ	25	1.4 (2)		
2			05 16 42.* 54.9 N 159.1 E KAMCHATKA					
			H =110 KM MAG 3.90- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2			06 49 08.7	47.9 N 16.5 E	AUSTRIA			
				H =043 KM MAG	4.50-	CGS		
2	LC	eP	07 01 45.3	Z	1.0	2.5 (0)	85.0	4.30
2			06 52 20.*	54.1 N 134.2 W	QUEEN CHARLOTTE ISLANDS			
				H =033 KM MAG	3.90-	CGS		
2	NP	eP	06 57 23.6	JZ	.5	4.9 (0)	23.0	4.23
2			06 57 19.9	54.0 N 134.5 W	QUEEN CHARLOTTE ISLANDS			
				H =033 KM MAG	3.60-	CGS		
2			09 46 37.*	48.0 N 145.2 E	SEA OF OKHOTSK			
				H =448 KM MAG	4.10-	CGS		
2	LC	eP	11 37 25.6	Z	1.0	7.5 (0)		
2			11 45 38.5	48.1 N 154.7 E	KURILE ISLANDS REGION			
				H =050 KM MAG	4.50-	CGS		
2	NP	eP	11 53 34.3	JZ	.7	7.7 (0)	43.0	4.54
2	RK	eP	11 56 10.5	Z	0.7	2.3 (0)	65.0	4.38
		eL	12 20 46	LZ	30	3.4 (2)		
2	LV	eL	12 33 50	LZ	22	4.4 (2)	80.0	
							AVG.	4.46
2	LV	eL	12 04 30	LZ	46	2.5 (3)		
2	HW	eL	12 33 05	LZ	29	6.1 (2)		
2			13 37 25.1	44.4 S 15.6 W	TRISTAN DA CUNHA IS. REG.			
				H =033 KM MAG	5.80-	CGS		
2	NP	eP	13 56 42.0	JZ	.8	8.2 (0)	136.0	
2	LC	eL	14 31 14	LZ	32	2.5 (2)	112.0	
2	LV	eL	14 33 45	LZ	24	4.6 (2)	103.0	
2	MV	eL	14 40 50	LZ	40	3.3 (2)	126.0	
2			15 37 37.*	1.4 N 84.6 W	OFF COAST OF ECUADOR			
				H =033 KM MAG	4.30-	CGS		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	LC	eP	15 44 49.7	Z	1.3	9.9 (0)	37.0	4.45
		eL	15 57 45	LZ	20	3.2 (2)		
2	RK	eP	15 46 31.2	Z	1.0	1.4 (1)	50.0	4.85
2	NP	eP	15 49 35.0	JZ	1.4	2.6 (1)	77.0	5.08
2	LV	eL	15 53 35	LZ	25	6.3 (2)	31.0	
2	DH	eL	15 57 13	LR	25	6.4 (2)	42.0	
2	MV	eL	16 02 40	LZ	32	3.2 (2)	50.0	
							AVG.	4.79
2			17 32 28.4	24.8 S 179.7 E	FIJI ISLANDS REGION			
				H =550 KM MAG	3.90-	CGS		
2	LC	eP	19 57 57.5	Z	0.5	3.2 (0)	2.5	
		eS	19 58 30	T	0.5	6.9 (0)		
2			20 55 58.8	80.1 N .6 W	SVALBARD REGION			
				H =033 KM MAG	5.10-	CGS		
2	NP	eP	21 00 35.6	JZ	.9	3.9 (1)	21.0	4.75
		eP	21 00 36	LZ	12	3.9 (4)		
2	RK	eP	21 03 39.1	Z	1.0	2.8 (1)	41.0	4.98
		eS	21 09 55	LR	27	1.2 (3)		
		eSS	21 12 42	LT	21	9.9 (2)		
		eLQ	21 14 50	LT	44	4.2 (3)		
		eLR	21 16 10	LT	24	7.3 (3)		
2	DH	eP	21 04 20	LZ	12	9.9 (2)	46.0	
		ePP	21 06 10	LZ	13	8.7 (2)		
		eS	21 11 09	LT	21	9.4 (2)		
		eSS	21 14 12	LR	24	7.9 (2)		
		eLQ	21 17 12	LR	34	1.7 (3)		
		eLR	21 22 50	LZ	18	4.4 (3)		
2	MV	eP	21 05 39.8	Z	2.5	1.0 (2)	57.0	5.44
		eS	21 13 30	LR	25	5.1 (2)		
		e	21 17 58	LT	25	1.3 (3)		
		eL	21 22 10	LR	36	3.1 (3)		
2	LC	eP	21 06 10.6	Z	0.9	9.7 (0)	61.0	4.90
		e	21 08 24	Z	1.0	3.7 (0)		
		eS	21 14 34	LR	20	7.8 (2)		
		eSCS	21 15 56	LT	15	2.8 (2)		
		eSS	21 18 31	LT	20	2.7 (2)		
		eLR	21 27 49	LZ	24	1.1 (3)		
2	LV	e	21 18 09	LZ	17	2.6 (2)	59.0	
		eL	21 22 34	LZ	37	1.2 (3)		
2	HW	eL	21 33 40	LZ	28	5.8 (2)	79.0	
							AVG.	5.05
2	MV	eP	23 49 10.5	Z	0.4	3.0 (0)	1.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	23 49 24	T	0.3	1.0 (1)		
2	23 52 38.3	51.5 N 174.0 W ANDREANOF ALEUTIAN ISLANDS H =055 KM MAG 4.90m CGS						
2	NP	eP	23 59 04.6	JZ	1	2.1 (1)	32.0	4.92
3	RK	eP	00 01 12.2	Z	0.8	6.3 (1)	48.0	5.63
		e	00 01 25	Z	0.9	9.5 (1)		
		eLR	00 18 22	LZ	19	3.4 (2)		
3	LC	eP	00 01 42.1	Z	1.0	3.7 (0)	52.0	4.32
		e	00 01 55	Z	1.0	1.3 (1)		
		eLR	00 18 10	LZ	22	1.2 (2)		
3	DH	eP	00 03 04.2	Z	0.9	1.3 (2)	63.0	5.94
		e	00 03 17	Z	1.0	2.1 (2)		
		eLR	00 30 13	LZ	20	5.8 (2)		
3	HW	eLR	00 08 45	LZ	24	3.7 (2)	35.0	
3	LV	eL	00 30 00	LZ	20	3.3 (2)	61.0	
							AVG.	5.24
3	NP	eP	02 30 26.6	JZ	.7	1.0 (1)		
3	LC	eL	03 08 32	LZ	20	1.8 (2)		
3	MV	eL	03 11 05	LZ	17	2.3 (2)		
3	03 44 39.2	45.4 N 151.6 E KURILE ISLANDS H =045 KM MAG 4.30m CGS						
3	NP	eP	03 53 02.3	JZ	.5	2.6 (0)	46.0	4.44
3	MV	eP	03 54 53.5	Z	0.8	1.0 (0)	62.0	4.02
3	RK	eP	03 55 38.5	Z	0.8	4.2 (0)	69.0	4.55
							AVG.	4.33
3	04 17 58.*	4.2 S 102.9 E NEAR S. COAST OF SUMATRA H =050 KM MAG 5.20m CGS						
3	MV	eP?	04 36 59.0	Z	0.8	8.3 (0)	127.0	
3	04 35 54.*	38.2 S 69.0 W NEUQUEN PROV., ARGENTINA H =065 KM MAG 4.10m CGS						
3	RK	eP	04 40 23.2	Z	1.0	2.3 (0)		
3	05 09 22.0	46.2 N 153.0 E KURILE ISLANDS H =040 KM MAG 5.10m CGS						

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	NP	eP	05 17 36.5	JZ	1.5	6.1 (1)	45.0	5.24
3	MV	eP	05 19 30.0	Z	0.8	4.1 (0)	60.0	4.56
3	RK	eP	05 20 14.4	Z	1.4	2.2 (1)	68.0	5.04
3	LC	eP	05 20 54.8	Z	0.8	3.8 (0)	74.0	4.41
		eLR	05 49 45	LZ	22	2.0 (2)		
3	DH	eP	05 21 40.7	Z	1.0	1.9 (1)	82.0	5.07
		eL	05 58 53	LZ	15	3.4 (2)		
3	LV	eP	05 21 43.5	Z	0.8	1.0 (1)	82.0	4.91
3	HW	eLR	05 32 05	LZ	25	4.8 (2)	49.0	
							AVG.	4.87
3	07 13 37.5	06.2 S 147.6 E NORTH EAST NEW GUINEA H =097 KM MAG 5.20m CGS						
3	07 21 10.*	12.6 N 144.3 E MARIANA ISLANDS H =045 KM MAG 4.60m CGS						
3	NP	eP	07 33 11.9	JZ	.9	1.0 (1)	79.0	4.79
3	08 39 07.4	46.1 N 152.9 E KURILE ISLANDS H =045 KM MAG 4.70m CGS						
3	NP	eP	08 47 22.2	JZ	1.1	1.2 (1)	45.0	4.65
3	MV	eP	08 49 15.0	Z	0.8	2.0 (0)	61.0	4.27
3	RK	eP	08 50 00.0	Z	0.8	4.2 (0)	68.0	4.55
3	LC	eP	08 50 40.1	Z	0.8	0.7 (0)	74.0	3.70
		e	08 50 53	Z	1.1	8.0 (0)		
							AVG.	4.29
3	RK	eP	11 10 41.6	Z	0.8	2.8 (0)		
3	12 16 15.8	15.2 S 173.2 W TONGA ISLANDS H =033 KM MAG 4.50m CGS						
3	MV	eP	12 27 41.5	Z	0.9	2.6 (0)	73.0	4.27
3	LC	eP	12 28 21.3	Z	1.1	6.4 (0)	79.0	4.50
							AVG.	4.38
3	12 23 54.*	18.1 N 105.2 W OFF COAST COLIMA, MEXICO H =033 KM MAG 4.00m CGS						
3	LC	eP	12 27 17.5	Z	0.8	1.5 (0)	14.0	3.69

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3			13 27 31.*	45.7 N 153.3 E	KURILE ISLANDS			
				H =045 KM MAG	4.40-	CGS		
3			13 43 08.*	11.3 S 167.4 E	SANTA CRUZ ISLANDS REGION			
				H =051 KM MAG	4.30-	CGS		
3	DH	eLR	14 49 30	LZ	25	4.7 (2)	118.0	
3			14 33 38.*	18.5 S 177.8 W	FIJI ISLANDS REGION			
				H =615 KM MAG	3.90-	CGS		
3	LV	eLR	15 55 40	LZ	21	1.6 (2)	96.0	
3	LC	eLR	15 02 08	LZ	30	1.3 (2)		
3	NP	eP	16 09 26.7	JZ	.6	2.0 (1)		
3	DH	eP	17 04 37.7	Z	0.2	9.1 (0)	1.7	
		eS	17 05 01	R	0.4	2.7 (1)		
3			17 12 01.6	02.2 N 84.5 W	OFF COAST OF ECUADOR			
				H =056 KM MAG	5.20-	CGS		
3	LC	eP	17 19 04.3	Z	1.2	1.8 (1)	37.0	4.79
		ePP	17 20 35	LZ	15	3.0 (2)		
		eS	17 24 55	LR	24	5.8 (2)		
		eLQ	17 27 33	LT	32	6.0 (2)		
		eLR	17 30 08	LZ	28	7.7 (2)		
3	LV	ePP	17 19 15	LZ	16	2.6 (2)	31.0	
		e	17 23 15	LZ	23	3.2 (2)		
		eLR	17 27 15	LZ	30	2.2 (3)		
3	RK	eP	17 20 44.4	Z	1.3	8.2 (1)	49.0	5.55
		eS	17 27 50	LT	18	7.4 (2)		
		eLQ	17 31 28	LT	17	2.8 (2)		
		eLR	17 35 22	LZ	35	7.5 (2)		
3	MV	eP	17 20 52.5	Z	1.5	9.6 (0)	50.0	4.51
		eS	17 28 13	LR	23	2.9 (2)		
		eLR	17 36 50	LZ	35	8.0 (2)		
3	NP	eP	17 23 47.5	JZ	1.4	6.5 (1)	77.0	5.40
3	DH	eS	17 25 56	LR	20	2.9 (2)	41.0	
		eS	17 25 56	LT	20	5.8 (2)		
		eLR	17 32 20	LZ	29	1.5 (3)		
		eL	17 36 05	LT	20	1.4 (3)		
		eL	17 36 05	LR	18	1.0 (3)		
		eL	17 36 05	LZ	18	4.0 (3)		
3	HW	eLR	17 44 43	LZ	25	2.6 (2)	72.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	5.06
3	DH	eP	19 10 17.0	Z	0.2	4.5 (0)	2.0	
		eS	19 10 43	T	0.4	1.9 (1)		
3	HW	eP	19 51 41.1	Z	0.2	4.3 (1)	0.8	
		eS	19 51 52	R	0.2	1.3 (2)		
3			21 15 10.4	12.2 S 166.0 E	SANTA CRUZ ISLANDS			
				H =032 KM MAG	6.00-	PAS		
3	MV	eP	21 27 41.3	Z	0.8	3.1 (0)	85.0	4.50
		eP	21 27 45	LZ	15	4.0 (2)		
		e	21 27 59	Z	0.9	7.8 (0)		
		e	21 38 20	LT	23	4.2 (2)		
		ePS	21 39 18	LT	32	1.3 (3)		
		eSS	21 44 08	LT	22	5.8 (2)		
		eLQ	21 49 57	LR	27	4.4 (2)		
		eLR	21 53 40	LZ	24	1.7 (3)		
		eL	21 59 05	LT	18	2.4 (3)		
		eL	21 59 05	LR	19	7.5 (2)		
		eL	21 59 05	LZ	19	3.6 (3)		
3	LC	eP	21 28 28.0	Z	0.7	0.6 (0)	94.0	4.09
		eP	21 28 28	LZ	17	2.1 (2)		
		ePP	21 32 00	LZ	21	1.6 (2)		
		ePS	21 41 10	LR	26	8.5 (2)		
		eSS	21 46 20	LR	24	1.0 (3)		
		eLR	21 58 13	LZ	25	99.9 (9)		
3	LV	ePD	21 29 38	LZ	15	1.8 (2)	107.0	
		ePP	21 33 42	LZ	23	1.8 (2)		
		e	21 43 10	LZ	22	3.4 (2)		
		e	21 44 25	LZ	25	5.4 (2)		
		e	21 49 20	LZ	20	4.2 (2)		
		eLR	22 03 40	LZ	27	6.5 (2)		
3	HW	e	21 31 26	LZ	21	2.0 (3)	49.0	
		eLQ	21 35 45	LT	22	1.9 (3)		
		eLR	21 38 00	LZ	23	3.2 (3)		
		eL	21 40 05	LR	21	5.4 (3)		
		eL	21 40 05	LT	15	8.5 (2)		
		eL	21 40 05	LZ	19	4.7 (3)		
3	RK	ePP	21 33 38	LZ	18	1.9 (2)	106.0	
		eSP	21 43 04	LZ	24	3.2 (2)		
		e	21 53 17	LZ	28	3.8 (2)		
		eL	22 05 07	LZ	21	2.8 (2)		
3	DH	ePS	21 45 20	LR	21	5.8 (2)	120.0	
		eSS	21 51 58	LR	25	1.0 (3)		
		eLQ	22 07 17	LR	23	6.7 (2)		
		eLR	22 15 38	LZ	23	8.3 (2)		
		eL	22 19 26	LR	20	1.8 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	22 19 26	LT	20	1.6 (3)		
		eL	22 19 26	LZ	20	3.7 (3)		
3	NP	eLR	22 01 58	LZ	24	4.2 (2)	98.0	
							AVG.	4.29
3	21 30 05.7		12.0 S 166.0 E SANTA CRUZ ISLANDS					
			H =040 KM MAG 4.80- CGS					
3	MV	eP	21 42 38.9	Z	0.6	1.4 (0)	84.0	4.26
3	LC	eP	21 43 20.0	Z	1.0	3.7 (0)	94.0	4.72
							AVG.	4.49
3	LC	eP	22 02 06.0	Z	0.3	1.4 (1)	1.5	
		eS	22 02 26	T	0.4	2.6 (1)		
3	23 03 41.6		22.4 S 69.3 W NORTHERN CHILE					
			H =018 KM MAG 6.25- PAS					
3	LV	eP	23 13 39.5	Z	1.2	7.2 (2)	58.0	6.58
		eP	23 13 40	LZ	19	1.8 (3)		
		e	23 13 51	Z	1.2	7.5 (2)		
		e	23 17 26	LZ	10	4.3 (3)		
		e	23 22 46	LZ	24	1.0 (3)		
		e	23 26 15	LZ	25	1.6 (3)		
		eLR	23 32 30	LZ	35	2.8 (3)		
3	DH	eP	23 14 21.6	Z	1.4	5.3 (2)	65.0	6.53
		eP	23 14 22	LZ	17	2.0 (3)		
		e	23 14 35	Z	1.4	7.2 (2)		
		ePP	23 16 22	LZ	20	7.2 (2)		
		eS	23 23 00	LR	21	4.2 (2)		
		eS	23 23 00	LT	19	1.4 (3)		
		ePS	23 24 00	LT	22	1.2 (3)		
		eLQ	23 33 43	LR	26	2.4 (3)		
		eLR	23 35 30	LZ	26	2.5 (3)		
3	LC	eP	23 14 23.3	Z	1.5	99.9 (9)	65.0	
		eP	23 14 25	LZ	19	1.4 (3)		
		e	23 14 37	Z	1.6	(0)		
		ePP	23 16 55	LZ	26	3.6 (2)		
		eS	23 23 15	LT	21	7.2 (2)		
		eSCS	23 24 24	T	3.4	2.1 (2)		
		eL	23 31 00	LZ	23	9.3 (2)		
		eP'P'	23 43 12	Z	2.2	4.3 (1)		
3	RK	eP	23 15 28.4	Z	1.4	99.9 (9)	76.0	
		eP	23 15 30	LZ	22	1.2 (3)		
		e	23 15 43	Z	0.9	99.9 (9)		
		ePP	23 18 18	LZ	18	9.6 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	23 18 26	Z	1.9	1.7 (2)		
		ePPP	23 20 26	LZ	16	1.1 (3)		
		eSKS	23 25 50	LT	21	1.3 (3)		
		eSS	23 30 38	LT	28	1.7 (3)		
		eL	23 33 38	LZ	35	1.3 (3)		
		eLR	23 42 40	LZ	32	5.4 (3)		
		eL	23 46 57	LT	25	3.3 (3)		
		eL	23 46 57	LR	27	3.3 (3)		
		eL	23 46 57	LZ	25	5.2 (3)		
3	MV	eP	23 15 41.9	Z	1.6	1.7 (2)	78.0	5.88
		eP	23 15 47	LZ	20	1.0 (3)		
		e	23 15 55	Z	1.3	6.6 (1)		
		ePP	23 18 50	LZ	18	8.4 (2)		
		eS	23 25 40	LR	22	9.8 (2)		
		eSS	23 31 00	LR	30	8.1 (2)		
		eL	23 36 50	LZ	23	7.7 (2)		
		eLR	23 42 15	LZ	25	1.5 (3)		
3	NP	eP	23 17 42.8	JZ	1.1	1.6 (1)	103.0	5.69
		e	23 17 54	JZ	.7	1.4 (1)		
		ePP	23 21 52	JZ	1.2	4.9 (1)		
		ePP	23 22 00	LZ	20	1.0 (3)		
		e	23 42 35	LZ	24	5.9 (2)		
		eL	23 45 45	LZ	29	1.2 (3)		
3	HW	ePS	23 29 36	LT	19	1.0 (3)	94.0	
		eLR	23 46 52	LZ	24	3.2 (3)		
		eL	23 48 25	LT	21	1.9 (3)		
		eL	23 48 25	LR	23	1.6 (3)		
		eL	23 48 25	LZ	22	3.3 (3)		
							AVG.	6.17
4	00 13 22.4		12.1 S 166.1 E SANTA CRUZ ISLANDS					
			H =039 KM MAG 4.10- CGS					
4	00 44 37.4		34.0 S 179.3 W KERMADEC ISLANDS					
			H =033 KM MAG 4.80- CGS					
4	01 27 34.1		46.2 N 153.1 E KURILE ISLANDS					
			H =020 KM MAG 5.20- CGS					
4	NP	eP	01 35 55.0	JZ	.5	1.5 (1)	45.0	5.15
4	01 35 24.5		45.3 N 153.4 E KURILE ISLANDS					
			H =060 KM MAG 4.10- CGS					
4	NP	eL	01 57 48	LZ	19	1.7 (3)	46.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	02 30 18.1		31.3 N 55.4 E IRAN H =046 KM					
4	02 43 30.4		45.9 N 153.2 E KURILE ISLANDS H =050 KM MAG 4.80- CGS					
4	NP	eP	02 51 44.3	JZ	.8	1.3 (1)	45.0	4.83
		eL	03 13 50	LZ	18	8.3 (2)		
4	02 53 42.*		4.8 S 130.1 E CERAM REGION H =033 KM					
4	03 13 07.1		08.3 S 83.1 W OFF COAST OF PERU H =033 KM MAG 4.60- CGS					
4	03 21 08.*		19.5 N 108.1 W REVILLA GIGEDO ISLANDS REG H =033 KM MAG 3.80- CGS					
4	04 18 46.3		19.5 N 108.3 W REVILLA GIGEDO IS. REGION H =033 KM MAG 4.80- CGS					
4	NP	eP	04 28 30.0	JZ	.8	1.9 (1)	57.0	5.18
4	04 21 22.6		07.1 S 80.4 W NEAR COAST NORTHERN PERU H =045 KM MAG 4.40- CGS					
4	NP	eP	04 33 59.0	JZ	1	1.0 (1)	86.0	4.84
		eL	04 52 37	LZ	20	6.2 (2)		
4	LV	eL	05 12 26	LZ	21	3.8 (2)		
4	LV	eL	06 42 38	LZ	26	1.7 (2)		
4	06 45 44.7		45.9 N 152.2 E KURILE ISLANDS H =045 KM MAG 3.90- CGS					
4	NP	iP	06 49 36.3D	JZ	999.9	99.9 (9)		
4	08 24 17.1		46.1 N 152.9 E KURILE ISLANDS H =033 KM MAG 5.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	NP	eP	08 32 32.9	JZ	1	2.6 (1)	45.0	5.06
4	MV	eP	08 34 28.5	Z	1.1	1.7 (1)	61.0	5.06
		ePS	08 43 05	LR	23	2.3 (2)		
		eL	08 52 28	LZ	24	2.7 (2)		
4	LC	eP	08 35 51.5	Z	1.2	4.0 (0)	74.0	4.26
		eL	08 57 08	LZ	18	1.4 (2)		
4	HW	eL	08 46 30	LZ	29	8.5 (2)	49.0	
							AVG.	5.00
4	HW	eP	08 42 07.9	Z	0.5	3.2 (1)		
4	09 34 50.4		17.9 S 178.4 W FIJI ISLANDS REGION H =574 KM MAG 4.10- CGS					
4	10 23 22.*		25.7 N 46.3 W NORTH ATLANTIC OCEAN H =033 KM MAG 4.10- CGS					
4	LV	e	12 10 52	LZ	16	4.4 (2)		
4	LV	eL	12 19 53	LZ	24	5.5 (2)		
4	15 44 52.9		46.0 N 153.2 E KURILE ISLANDS REGION H =040 KM MAG 4.90- CGS					
4	NP	eP	15 53 06.8	JZ	1	2.6 (1)	45.0	5.04
4	RK	eP	15 55 45.9	Z	0.9	1.5 (1)	68.0	5.07
4	LC	eP	15 56 26.0	Z	1.2	8.1 (0)	74.0	4.55
4	HW	eL	16 07 35	LZ	28	4.6 (2)	49.0	
							AVG.	5.03
4	15 49 47.1		46.6 N 153.3 E KURILE ISLANDS REGION H =033 KM MAG 4.10- CGS					
4	15 59 42.1		35.5 S 102.8 W EASTER ISLAND REGION H =033 KM MAG 6.00- PAL					
4	NP	eL	16 54 15	LZ	20	8.3 (2)	112.0	
4	LC	eP	17 51 24.5	Z	0.3	1.6 (1)	1.5	
		eS	17 51 43	R	0.3	1.4 (1)		
4	HW	eL	18 27 10	LZ	26	2.2 (2)		
4	LC	eP	19 14 00.0	Z	0.3	3.7 (0)	0.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	19 14 09	R	0.3	7.2 (0)		
4	LC	eP	20 44 41.0	Z	0.3	3.7 (0)	3.6	
		eS	20 45 26	T	0.3	1.6 (1)		
4	RK	eP	21 26 21.9	Z	0.4	4.3 (0)	2.2	
		eS	21 26 50	R	0.4	1.0 (1)		
4	21 32 34.9		43.6 N 71.6 W NEW HAMPSHIRE H =033 KM MAG 3.70- CGS					
4	DH	eP	21 33 20.2	Z	0.3	2.8 (1)	2.8	
		eS	21 33 50	R	0.3	99.9 (9)		
5	LC	eP	02 07 04.5	Z	0.7	5.4 (0)		
5	LC	eL	02 09 05	LR	17	1.0 (3)		
5	LC	eL	02 09 08	T	1.0	3.0 (1)		
5	MV	eL	02 12 35	LT	24	2.0 (2)		
5	DH	eLQ	02 22 55	LT	17	4.9 (2)		
5	DH	eLR	02 25 40	LZ	14	5.7 (2)		
5	RK	eP	04 00 00.5	Z	0.7	1.2 (0)		
5	04 07 42.8		17.3 N 80.1 E SOUTHERN INDIA H =033 KM					
5	04 23 22.2		35.7 S 103.1 W EASTER ISLAND REGION H =033 KM MAG 4.80- CGS					
5	LC	eP	04 34 18.1	Z	1.2	3.8 (0)	68.0	4.37
		e	04 34 41	Z	1.0	1.6 (1)		
		eS	04 43 30	LR	21	6.1 (2)		
		eSS	04 47 50	LR	22	4.7 (2)		
		eLQ	04 51 15	LR	26	5.6 (2)		
		eLR	04 57 15	LZ	18	4.5 (2)		
5	MV	eP	04 35 08.2	Z	1.0	1.6 (0)	76.0	4.12
		e	04 35 15	Z	1.1	8.4 (0)		
		eS	04 45 03	LT	19	3.6 (2)		
		eSS	04 50 00	LT	25	4.5 (2)		
		eLQ	04 55 50	LR	36	1.3 (3)		
		eLR	04 59 20	LZ	29	1.0 (3)		
5	DH	e	04 45 55	LT	18	2.5 (2)	82.0	
		eSS	04 51 26	LR	24	3.8 (2)		
		eLQ	04 58 00	LR	37	2.0 (3)		
		eLR	05 03 22	LZ	28	2.0 (3)		
		eL	05 04 40	LT	26	1.6 (3)		
		eL	05 04 40	LR	25	6.7 (2)		
		eL	05 04 40	LZ	25	1.9 (3)		
5	LV	eL	04 51 32	LZ	19	2.4 (2)	68.0	
5	HW	eLR	04 58 10	LZ	26	1.7 (3)	74.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
						AVG.		4.24
5	LC	eP	05 11 15.0	Z	0.9	1.8 (0)		
5	06 51 02.5		37.2 N 87.0 W WESTERN KENTUCKY H =033 KM					
5	LC	eLR	07 03 25	LZ	18	1.0 (2)	17.0	
5	LV	eL	07 07 48	LZ	24	1.9 (2)		
5	LC	eP	10 52 52.5	Z	0.7	1.2 (0)		
5	LC	eL	10 55 00	T	0.7	1.1 (0)		
5	11 29 49.4		07.4 N 77.3 W COLOMBIA H =033 KM MAG 4.70- CGS					
5	LV	eP	11 35 50.0	Z	1.0	3.2 (1)	29.0	5.05
		eP	11 35 50	LZ	13	3.1 (2)		
		eLR	11 43 20	LZ	34	2.0 (3)		
5	DH	eP	11 36 41.8	Z	1.0	1.8 (1)	35.0	4.98
		eS	11 42 25	LR	23	3.7 (2)		
		eL	11 45 00	LR	25	1.0 (3)		
		eL	11 50 15	LZ	13	1.1 (3)		
		eL	11 50 15	LR	19	2.3 (3)		
		eL	11 50 15	LT	21	4.1 (2)		
5	LC	eP	11 36 57.3	Z	1.3	9.5 (0)	37.0	4.43
		e	11 37 10	LZ	23	1.1 (2)		
		ePCP	11 39 46	Z	0.9	9.3 (0)		
		eS	11 42 36	LR	24	9.3 (2)		
		eSCP	11 43 15	Z	0.9	0.9 (0)		
		eLR	11 47 50	LZ	27	8.6 (2)		
		eL	11 51 35	LT	25	1.5 (3)		
		eL	11 51 35	LR	17	3.4 (2)		
		eL	11 51 35	LZ	16	5.6 (2)		
5	RK	eP	11 38 07.3	Z	0.6	5.0 (0)	45.0	4.56
		ePP	11 39 17	Z	0.8	1.0 (1)		
		e	11 41 20	LT	22	3.4 (2)		
		eS	11 45 00	LT	15	7.2 (2)		
		eLQ	11 48 20	LT	15	4.6 (2)		
		eLR	11 52 45	LT	30	9.7 (2)		
5	MV	eP	11 38 52.1	Z	1.3	9.9 (0)	51.0	4.61
		eP	11 38 57	LZ	13	1.2 (2)		
		eS	11 45 53	LR	25	3.1 (2)		
		eSS	11 50 00	LR	24	2.7 (2)		
		eLR	11 55 00	LZ	34	8.1 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	12 01 24	LT	22	1.2 (3)		
		eL	12 01 24	LR	22	1.0 (3)		
		eL	12 01 24	LZ	22	9.7 (2)		
5	NP	eP	11 41 18.9	JZ	.7	1.6 (1)	73.0	5.18
		eLQ	12 04 48	LR	33	2.0 (3)		
		eLR	12 08 38	LZ	28	3.8 (2)		
5	HW	eL	12 07 37	LZ	23	4.2 (2)	76.0	
							AVG.	4.80

5 13 04 27.4 12.2 N 143.9 E MARIANA ISLANDS REGION
H =033 KM MAG 4.50- CGS

5 15 45 17.5 46.7 N 151.0 E KURILE ISLANDS
H =065 KM MAG 3.90- CGS

5 16 41 45.* 60.5 N 147.4 W KENAI PENINSULA, ALASKA
H =033 KM MAG 3.50- CGS

5	DH	eP	17 20 46.5	Z	0.4	1.0 (1)	1.3	
		eS	17 21 03	R	0.4	5.4 (1)		
5	DH	eL	18 28 03	T	0.5	6.8 (0)		

5 20 07 46.3 52.2 N 171.1 E ALEUTIAN NEAR ISLANDS
H =050 KM MAG 4.60- CGS

5	LC	eP	20 13 57.6	Z	0.3	1.8 (0)	2.9	
		eS	20 14 35	T	0.4	6.2 (0)		
5	LC	eP	20 25 48.0	Z	0.2	1.5 (1)	1.4	
		eS	20 26 06	T	0.4	1.0 (1)		

5 22 40 50.* 8.8 S 131.1 E ARAFURA SEA
H =163 KM MAG 4.50- CGS

5 23 28 56.9 12.8 N 143.5 E MARIANA ISLANDS
H =094 KM MAG 4.80- CGS

6 00 56 03.* 18.0 S 176.9 W FIJI ISLANDS REGION
H =033 KM MAG 4.10- CGS

6	LC	eP	01 47 41.9	Z	1.0	6.0 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

6 01 56 42.8 5.8 S 150.3 E NEW BRITAIN
H =061 KM MAG 5.30- CGS

6	RK	ePKKP	02 26 18	Z	0.7	8.7 (0)	111.0	
		eL	02 49 38	LZ	29	3.0 (2)		
6	LC	ePKKP	02 26 50	Z	0.9	1.2 (1)	104.0	
		e	02 27 01	Z	0.9	7.5 (0)		
		eL	02 45 24	LZ	31	3.8 (2)		
6	MV	eL	02 39 07	LZ	30	8.1 (2)	92.0	
6	LV	eL	02 52 35	LZ	34	5.0 (1)	116.0	
6	DH	eL	03 00 45	LZ	25	4.3 (2)	126.0	

6 03 16 20.5 43.8 N 134.9 E SIKHOTA ALIN, U.S.S.R.
H =335 KM

6 04 12 48.7 25.6 S 68.6 W NORTHERN CHILE
H =105 KM MAG 4.40- CGS

6	LC	eP	04 23 38.6	Z	1.1	6.1 (0)	68.0	4.34
6	RK	eP	04 24 43.5	Z	0.9	1.1 (1)	79.0	4.71
							AVG.	4.52

6 05 17 10.0 44.7 N 150.2 E KURILE ISLANDS REGION
H =060 KM MAG 4.10- CGS

6	HW	eL	06 36 10	LZ	25	2.1 (2)		
6	LC	eL	06 49 02	LZ	20	9.9 (1)		

6 06 51 58.* 46.5 N 152.6 E KURILE ISLANDS
H =050 KM MAG 4.40- CGS

6	DH	eP	07 04 13.8	Z	0.8	1.1 (1)	82.0	4.89
							AVG.	5.00

6	NP	eP	07 22 38.7	Z	0.8	4.2 (0)		

6 08 34 23.7 37.5 N 118.5 W MONO COUNTY, CALIFORNIA
H =015 KM MAG 5.00-5.25 PAS

6	MV	eP	08 35 05.0	Z	0.5	99.9 (9)	2.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	08 35 05	LZ	12	2.0 (2)		
		e	08 35 15	LZ	17	2.3 (2)		
		eL	08 35 43	LT	16	5.1 (3)		
6	LC	eP	08 37 05.2	Z	0.9	1.8 (0)	11.0	4.43
		e	08 37 52	Z	0.9	1.3 (1)		
		eL	08 40 04	LT	999.9	99.9 (9)		
		eL	08 40 06	T	2.0	5.2 (1)		
6	RK	eP	08 39 20.0	Z	0.9	1.1 (1)	22.0	4.30
		eL	08 45 30	LT	21	1.4 (3)		
6	NP	eP	08 41 52.8	Z	0.9	6.6 (0)	39.0	4.31
6	LV	eL	08 47 40	LZ	25	2.1 (1)	22.0	
6	DH	eL	08 51 30	LT	20	1.2 (3)	34.0	
		eL	08 54 22	LZ	19	8.9 (2)		
6	HW	eL	08 52 10	LZ	18	2.3 (2)	37.0	
							AVG.	4.34
6	MV	eP	09 10 17.3	Z	0.5	3.1 (0)		
6	MV	e	09 10 21	Z	0.8	1.1 (1)		
6	MV	e	09 10 58	T	0.6	4.3 (1)		
6	MV	eP	09 49 10.7	Z	0.3	3.1 (0)	1.4	
		eS	09 49 30	R	0.3	1.1 (1)		
6	NP	eP	09 57 18.2	Z	1.4	4.0 (1)		
6	NP	eP	10 07 50.4	Z	0.9	7.9 (0)		
6	MV	eP	10 37 47.6	Z	0.4	1.7 (0)	2.7	
		eS	10 38 22	T	0.3	8.4 (0)		
6	MV	eP	11 20 12.1	Z	0.6	1.4 (0)	3.0	
		eS	11 20 50	R	0.3	5.1 (0)		
6	NP	eP	11 50 28.0	Z	1.3	1.6 (1)		
6	HW	eL	12 12 36	LZ	24	2.1 (2)		
6	MV	eP	12 22 34.7	Z	0.5	1.2 (0)	3.1	
		eS	12 23 12	T	0.4	5.7 (0)		
6	HW	eL	12 24 20	LZ	27	7.4 (2)		
6	13 54 21.*		36.4 N 118.2 W INYO COUNTY, CALIFORNIA H =015 KM MAG 4.10- CGS					
6	MV	eP	13 55 28.5	Z	0.7	9.1 (0)	4.0	4.22
		eS	13 56 20	T	999.9	99.9 (9)		
6	DH	eP	16 01 42.5	Z	0.4	6.7 (0)	1.9	
		eS	16 02 07	R	0.5	2.3 (1)		
6	RK	eP	16 16 45.8	Z	0.8	6.1 (0)		
6	DH	eL	16 30 42	LZ	18	1.5 (2)		
6	MV	eL	17 35 40	LZ	18	5.7 (2)		
6	LC	eL	17 42 41	LZ	18	1.9 (2)		
6	LV	eL	17 48 35	LZ	23	1.6 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	18 14 32.1		07.1 S 80.5 W NEAR COAST OF PERU H =033 KM MAG 4.40- CGS					
6	LC	eP	18 22 58.4	Z	1.0	6.0 (0)	47.0	4.58
		eS	18 29 55	LT	30	5.2 (2)		
		eSS	18 33 05	LT	21	4.5 (2)		
		eLQ	18 36 40	LT	20	4.1 (2)		
		eLR	18 38 50	LZ	21	3.7 (2)		
6	RK	eP	18 24 28.5	Z	0.8	7.6 (0)	59.0	4.78
		eL	18 47 12	LR	24	4.1 (2)		
6	NP	eP	18 27 12.2	Z	1.1	1.9 (1)	86.0	5.08
6	DH	eL	18 34 20	LR	33	3.6 (2)	49.0	
6	LV	eL	18 35 42	LZ	29	4.3 (1)	41.0	
6	HW	eL	18 51 14	LZ	21	3.2 (2)	79.0	
							AVG.	4.81
6	LC	eP	19 54 02.5	Z	0.8	1.4 (0)		
6	LC	eL	20 17 32	LZ	19	8.5 (1)		
6	HW	eL	20 17 42	LZ	24	3.2 (2)		
6	DH	eL	20 23 06	LZ	29	2.4 (2)		
6	LC	eP	22 01 58.4	Z	0.3	1.8 (1)	1.3	
		eS	22 02 16	R	0.3	1.1 (1)		
6	22 07 29.8		45.5 N 152.4 E KURILE ISLANDS H =020 KM MAG 4.30- CGS					
7	04 07 52.8		22.1 S 179.4 W FIJI ISLANDS REGION H =546 KM MAG 5.50- CGS					
7	HW	eP	04 15 42.6	Z	0.7	1.3 (2)	48.0	5.52
7	MV	eP	04 19 15.3	Z	1.0	6.5 (1)	82.0	5.12
		epP	04 21 21	Z	1.2	8.1 (0)		
		eL	04 43 07	LZ	20	2.6 (2)		
7	LC	eP	04 19 47.6	Z	1.0	1.0 (2)	88.0	5.57
		eP	04 19 50	LZ	15	1.4 (2)		
		e	04 19 59	Z	0.9	2.1 (1)		
		e	04 20 53	Z	1.0	1.4 (1)		
		epP	04 21 55	LZ	18	1.7 (2)		
		eS	04 29 40	LR	17	3.1 (2)		
		esPS	04 33 43	LT	17	6.3 (2)		
		eLR	04 51 50	LZ	23	1.1 (2)		
							AVG.	5.40
7	NP	eP	04 25 10.8	JZ	.6	4.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7			04 46 52.2	18.8 S 169.2 E NEW HEBRIDES ISLANDS H =227 KM MAG 4.70= CGS				
7	MV	eP	04 59 11.7	Z	0.7	1.1 (1)	87.0	4.86
7	LC	eP	04 59 51.0	Z	0.5	0.9 (0)	95.0	4.24
							AVG.	4.55
7			05 07 43.*	21.0 S 178.6 W FIJI ISLANDS REGION H =560 KM MAG 3.80= CGS				
7	LC	eLR	06 32 50	LZ	24	1.1 (2)		
7			06 47 47.*	44.9 N 149.0 E KURILE ISLANDS H =033 KM MAG 4.60= CGS				
7	LC	eLR	07 32 50	LZ	27	1.0 (2)	77.0	
7			06 53 18.1	45.1 N 149.8 E KURILE ISLANDS H =040 KM MAG 4.30= CGS				
7	LC	eP	08 48 08.5	Z	1.0	2.4 (0)		
7			09 06 41.3	30.9 N 51.3 E SOUTHERN IRAN H =064 KM				
7			10 32 39.5	20.8 S 174.0 E FIJI ISLANDS REGION H =033 KM MAG 4.60= CGS				
7	MV	eP	10 45 17.8	Z	1.0	1.1 (1)	85.0	4.97
		e	10 55 47	LZ	21	1.3 (2)		
		eLQ	11 08 10	LR	28	4.9 (2)		
		eLR	11 11 23	LZ	26	1.4 (3)		
		eL	11 12 15	LT	24	1.1 (3)		
		eL	11 12 15	LR	25	4.1 (2)		
		eL	11 12 15	LZ	25	1.4 (3)		
7	LC	eP	10 45 52.2	Z	1.0	7.4 (0)	92.0	4.97
		eLR	11 15 10	LZ	25	9.1 (2)		
		eL	11 18 00	LR	23	7.2 (2)		
		eL	11 18 00	LT	20	6.7 (2)		
		eL	11 18 00	LZ	22	1.2 (3)		
7	HW	eS	10 49 00	LR	25	7.5 (2)	50.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	10 55 50	LZ	26	1.9 (2)		
7	LV	eLR	11 21 16	LZ	27	1.0 (3)	104.0	
7	DH	eLQ	11 28 50	LR	38	6.7 (2)	119.0	
		eLR	11 32 34	LZ	24	1.2 (3)		
		eL	11 34 20	LR	23	1.1 (3)		
		eL	11 34 20	LT	23	2.9 (2)		
		eL	11 34 20	LZ	22	1.6 (3)		
							AVG.	4.97
7			11 25 54.1	45.8 N 153.0 E KURILE ISLANDS REGION H =055 KM MAG 4.10= CGS				
7	MV	eP	12 04 31.5	Z	0.2	2.3 (0)	1.4	
		eS	12 04 49	R	0.3	5.0 (0)		
7	DH	eLR	12 44 08	LZ	21	2.7 (2)		
7	LC	eLR	12 55 05	LZ	20	9.7 (1)		
7	MV	eP	15 17 28.6	Z	0.2	3.4 (1)	1.1	
		eS	15 17 44	R	0.3	4.7 (1)		
7			15 17 57.3	12.3 N 143.9 E MARIANA ISLANDS REGION H =033 KM MAG 5.10= CGS				
7	NP	eP	15 30 02.6	JZ	.7	2.9 (1)	80.0	5.29
7	MV	eP	15 30 36.1	Z	1.0	3.3 (0)	86.0	4.36
		eLR	15 50 38	LZ	17	1.6 (2)		
7	LC	eP	15 31 39.0	Z	0.9	1.9 (0)	99.0	4.80
		eSP	15 44 48	LZ	20	8.1 (1)		
		e	15 50 33	LZ	19	1.3 (2)		
		eL	16 06 53	LZ	21	9.5 (1)		
7	HW	eLR	15 44 20	LZ	25	4.7 (1)	58.0	
7	LV	eLR	16 13 10	LZ	24	2.7 (2)	111.0	
7	DH	eLR	16 17 50	LZ	25	2.7 (2)	115.0	
							AVG.	4.81
7	DH	eP	17 20 18.6	Z	0.2	4.5 (0)	1.5	
		eS	17 20 40	R	0.3	1.1 (1)		
7			17 37 25.6	29.3 S 178.5 W KERMADEC ISLANDS H =209 KM MAG 4.90= CGS				
7	MV	eP	17 49 46.0	Z	0.8	5.2 (0)	87.0	4.42
7	LC	eP	17 50 11.5	Z	1.1	9.4 (0)	92.0	4.73
		epP	17 51 05	Z	0.8	1.5 (0)		
							AVG.	4.57

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	DH	eP	18 01 30.0	Z	0.2	4.5 (0)	1.5	
		eS	18 01 51	T	0.3	1.0 (1)		
7	MV	eP	19 21 03.0	Z	0.3	3.1 (0)	3.1	
		eS	19 21 42	T	0.3	2.1 (1)		
7	MV	eP	23 22 46.7	Z	0.2	1.0 (1)	0.8	
		eS	23 22 57	T	0.3	1.1 (1)		
8	LC	eL	06 45 50	LZ	24	6.6 (1)		
8	MV	eL	06 46 42	LZ	29	9.0 (1)		
8	07 53 15.1		46.4 N 153.0 E KURILE ISLANDS					
			H =020 KM MAG 5.20- CGS					
8	NP	eP	08 01 30.5	JZ	.7	1.3 (1)	45.0	4.94
8	MV	eP	08 03 23.9	Z	0.8	3.2 (0)	60.0	4.42
		eS	08 11 38	LT	19	2.1 (2)		
		eSCS	08 13 18	LT	16	2.0 (2)		
		eSS	08 15 40	LT	20	1.2 (2)		
		eLQ	08 18 35	LT	19	2.5 (2)		
		eLR	08 21 40	LT	22	3.1 (2)		
8	RK	eP	08 04 10.0	Z	0.7	7.3 (0)	67.0	4.96
		eL	08 26 00	LT	27	1.8 (2)		
8	LC	eP	08 04 50.7	Z	0.7	1.8 (0)	74.0	4.18
		e	08 04 54	Z	1.4	2.9 (1)		
		e	08 05 18	LZ	16	1.2 (2)		
		eL	08 28 00	LZ	35	2.6 (2)		
8	HW	eS	08 09 11	LT	20	6.6 (2)	49.0	
		eL	08 15 50	LZ	27	1.1 (3)		
8	LV	eL	08 35 17	LZ	32	3.9 (2)	82.0	
		eLR	08 40 49	LZ	22	3.7 (2)		
8	DH	eL	08 45 10	LZ	19	7.1 (2)	82.0	
						AVG.		4.79
8	10 49 19.2		11.9 S 166.0 E SANTA CRUZ ISLANDS					
			H =044 KM MAG 4.20- CGS					
8	HW	eL	11 12 31	LZ	22	2.5 (2)	49.0	
8	MV	eL	11 28 09	LZ	24	9.8 (1)	84.0	
8	LC	eL	11 33 03	LZ	26	1.3 (2)	94.0	
8	LV	eL	11 45 57	LZ	18	1.4 (2)	106.0	
8	11 08 04.7		39.9 N 58.7 E TURKMEN S.S.R.					
			H =033 KM MAG 4.50- CGS					
8	12 08 49.3		35.5 N 143.3 E OFF E. COAST HONSHU, JAPAN					
			H =033 KM MAG 4.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	15 18 09.8		36.5 N 70.8 E HINDU KUSH					
			H =212 KM					
8	20 31 45.7		45.3 N 151.3 E KURILE ISLANDS					
			H =040 KM MAG 4.40- CGS					
8	LC	eP	20 36 05.0	Z	0.3	1.1 (1)	1.4	
		eS	20 36 24	T	0.3	1.5 (1)		
8	20 39 38.9		45.3 N 151.2 E KURILE ISLANDS					
			H =050 KM MAG 4.30- CGS					
8	NP	eP	20 48 01.8	JZ	.5	2.1 (0)	46.0	4.33
9	01 45 19.4		43.6 N 110.2 W WESTERN WYOMING					
			H =045 KM MAG 4.00- CGS					
9	LC	eP	01 47 58.0	Z	1.0	2.4 (0)	11.0	4.32
9	02 24 08.5		45.6 N 151.4 E KURILE ISLANDS					
			H =055 KM MAG 4.30- CGS					
9	05 38 29.5		54.9 N 159.4 W ALASKA PENINSULA					
			H =045 KM MAG 5.10- CGS					
9	NP	eP	05 44 01.7	JZ	.5	1.2 (1)	26.0	4.74
9	MV	eP	05 44 35.0	Z	0.8	6.4 (0)	30.0	4.46
		e	05 44 45	Z	0.8	6.4 (0)		
9	RK	eP	05 45 49.9	Z	0.8	3.2 (1)	39.0	5.15
		eL	05 58 01	LT	26	1.9 (2)		
9	LC	eP	05 46 27.6	Z	1.0	1.9 (1)	43.0	4.80
		e	05 46 38	Z	1.1	5.0 (1)		
9	DH	eP	05 47 50.4	Z	0.8	1.1 (1)	54.0	4.96
							AVG.	4.82
9	05 39 25.5		44.9 N 110.3 W YELLOWSTONE PARK, WYOMING					
			H =033 KM MAG 3.70- CGS					
9	LC	eL	06 49 07	LZ	22	6.7 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	08	33 57.6	44.0 N 150.4 E KURILE ISLANDS					
			H =050 KM MAG 4.70- CGS					
9	NP	eP	08 42 33.0	JZ	.5	99.9 (9)	48.0	
9	MV	eP	08 44 21.8	Z	1.0	5.1 (0)	63.0	4.51
9	RK	eP	08 45 06.0	Z	0.8	5.9 (0)	70.0	4.62
		eL	09 12 11	LT	27	1.5 (2)		
9	LC	eP	08 45 40.4	Z	1.0	4.9 (0)	77.0	4.44
		eL	09 15 55	LZ	15	9.9 (1)		
9	HW	eL	08 58 59	LZ	21	3.2 (2)	50.0	
9	LV	eL	09 24 04	LZ	24	1.5 (2)	85.0	
							AVG.	4.34
9	10	53 39.4	21.1 S 178.0 W FIJI ISLANDS REGION					
			H =435 KM MAG 5.00- CGS					
9	HW	eP	11 01 25.7	Z	1.2	1.9 (2)	46.0	5.39
		eL	11 17 40	LZ	20	7.6 (2)		
9	MV	eP	11 05 04.1	Z	1.0	6.5 (1)	80.0	5.21
9	LC	eP	11 05 37.2	Z	1.0	6.6 (1)	86.0	5.35
		eP	11 05 38	LZ	17	2.0 (2)		
		epP	11 07 17	Z	1.2	3.9 (1)		
		epP	11 07 20	LZ	17	3.2 (2)		
		eS	11 15 45	LT	20	6.9 (2)		
		eSP	11 16 48	LZ	25	3.0 (2)		
		eL	11 30 15	LZ	15	1.4 (2)		
9	LV	eL	11 41 11	LZ	15	1.2 (2)	98.0	
							AVG.	5.31
9	NP	eP	11 11 07.0	JZ	.5	4.2 (0)		
9	MV	eL	11 14 35	LZ	26	2.0 (2)		
9	11	22 27.3	07.6 N 126.8 E NEAR COAST MINDANAO, P. I.					
			H =139 KM MAG 4.50- CGS					
9	NP	eP	11 35 05.4	JZ	.6	2.3 (0)	88.0	4.32
9	12	22 42.0	45.2 N 151.2 E KURILE ISLANDS					
			H =050 KM MAG 4.70- CGS					
9	NP	eP	12 31 05.0	JZ	1	1.1 (1)	47.0	4.82
9	MV	eP	12 33 02.1	Z	0.9	1.0 (1)	62.0	4.98
9	RK	eP	12 33 43.5	Z	1.0	1.6 (1)	69.0	5.03

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	13 00 14	LT	24	1.4 (2)		
9	LC	eP	12 34 36.5	Z	2.0	3.9 (1)	75.0	5.00
		eL	12 55 35	LZ	20	6.9 (1)		
9	HW	eL	12 45 57	LZ	26	4.4 (2)	50.0	
9	DH	eL	13 10 27	LZ	25	2.4 (2)	84.0	
9	LV	eL	13 14 57	LZ	19	3.9 (2)	84.0	
							AVG.	5.08
9	12	29 01.6	45.3 N 151.2 E KURILE ISLANDS					
			H =045 KM MAG 4.40- CGS					
9	18	01 55.0	36.1 N 71.2 E HINDU KUSH					
			H =157 KM MAG 5.00- CGS					
9	NP	eP	18 12 36.7	JZ	.7	1.8 (1)	68.0	4.97
9	19	17 49.6	25.2 S 179.5 E FIJI ISLANDS REGION					
			H =533 KM MAG 4.50- CGS					
9	MV	eP	19 29 28.0	Z	1.0	6.9 (0)	85.0	4.24
9	LC	eP	20 00 05.0	Z	0.3	9.2 (0)	1.4	
		eS	20 00 24	T	0.3	2.1 (1)		
9	21	08 17.0	43.7 N 150.9 E KURILE ISLANDS					
			H =050 KM MAG 4.30- CGS					
9	21	09 56.1	11.4 S 166.4 E SANTA CRUZ ISLANDS					
			H =167 KM MAG 4.40- CGS					
10	00	56 51.6	34.8 N 134.7 E HONSHU, JAPAN					
			H =249 KM MAG 4.10- CGS					
10	NP	eP	01 06 34.9	JZ	1.1	1.3 (1)	60.0	4.49
10	02	32 04.6	05.4 N 82.5 W SOUTH OF PANAMA					
			H =035 KM MAG 4.20- CGS					
10	NP	eP	02 43 37.0	JZ	1	1.1 (1)	74.0	4.80

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	LV	eL	02 46 40	LZ	29	3.7 (2)	28.0	
10	03 31 21.1		06.2 S 128.1 E BANDA SEA H =366 KM MAG 5.60- CGS					
10	NP	eP	03 44 32.0	JZ	.6	1.0 (1)	101.0	5.55
10	LC	eP	03 49 36.0	Z	1.3	1.4 (1)	123.0	
		ePP	03 51 13	Z	1.1	4.6 (0)		
		e	03 52 14	Z	0.7	2.4 (0)		
		esPP	03 53 19	LZ	18	2.2 (2)		
		eS	03 58 48	LT	24	5.3 (2)		
		ePKKP	03 59 32	Z	0.8	4.5 (0)		
		eSS	04 07 40	LT	19	1.1 (3)		
		esSS	04 10 37	LT	21	8.2 (2)		
		eL	04 29 10	LZ	28	2.2 (2)		
10	RK	eP	03 49 37.1	Z	0.7	3.6 (1)	124.0	
		eSS	04 07 45	LR	24	1.6 (3)		
		eSSS	04 12 07	LR	26	1.2 (3)		
		eL	04 25 59	LR	28	7.9 (2)		
10	HW	eS	03 52 24	LT	24	7.8 (2)	79.0	
		eSS	03 57 40	LT	24	7.8 (2)		
		eLQ	04 04 20	LR	23	1.7 (3)		
		eLR	04 08 50	LZ	19	6.6 (2)		
10	MV	eL	04 26 05	LZ	20	4.0 (2)	110.0	
10	LV	eLR	04 35 10	LZ	24	5.2 (2)	135.0	
10	LV	eL	03 54 36	LZ	14	3.8 (2)		
10	HW	eP	04 48 01.4	Z	999.9	99.9 (9)		
10	05 52 31.3		07.0 N 73.1 W COLOMBIA H =142 KM MAG 3.90- CGS					
10	06 30 54.8		58.1 S 26.4 W SANDWICH ISLANDS H =110 KM					
10	MV	eP	06 49 42.0	Z	0.9	7.7 (0)	125.0	
		ePP	06 50 19	Z	1.2	1.0 (1)		
		ePKKP	06 59 24	Z	1.0	8.3 (0)		
10	NP	eP	06 50 17.0C	JZ	.7	1.8 (1)	146.0	
10	LC	ePKKP	06 59 55	Z	0.9	8.5 (0)	112.0	
		eL	07 32 45	LZ	19	3.8 (2)		
10	RK	eL	07 30 12	LZ	35	6.2 (2)	122.0	
10	HW	eL	07 34 15	LZ	16	2.7 (2)	127.0	
10	07 26 36.5		08.7 S 79.8 W NEAR COAST OF PERU H =033 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	LC	eP	07 35 16.2	Z	1.0	7.2 (0)	48.0	4.66
10	RK	eP	07 36 43.9	Z	0.9	1.5 (1)	60.0	5.07
							AVG.	4.86
10	09 28 38.6		45.8 N 151.7 E KURILE ISLANDS H =050 KM MAG 4.70- CGS					
10	MV	eP	09 38 42.0	Z	0.9	6.4 (0)	61.0	4.71
10	13 08 08.7		07.2 N 125.1 E NEAR EAST COAST OF MINDANO H =033 KM MAG 4.70- CGS					
10	NP	eP	13 21 01.2	JZ	.5	2.1 (0)	89.0	4.59
10	14 42 11.2		07.1 S 155.5 E SOLOMON ISLANDS H =088 KM MAG 4.60- CGS					
10	14 49 42.6		18.1 S 68.5 W WESTERN BOLIVIA H =079 KM MAG 5.30- CGS					
10	LC	eP	14 59 56.6	Z	0.8	7.5 (0)	62.0	4.81
		e	15 00 38	Z	1.1	1.2 (1)		
10	RK	eP	15 01 00.4	Z	0.8	1.9 (1)	72.0	5.06
10	MV	eP	15 01 19.4	Z	0.9	6.4 (0)	75.0	4.50
							AVG.	4.79
10	15 39 49.2		21.3 S 174.4 W LOYALTY ISLANDS REGION H =033 KM MAG 4.50- CGS					
10	LC	eP	15 52 18.3	Z	1.3	9.6 (0)	84.0	4.77
		eL	16 21 05	LZ	22	1.8 (2)		
10	LV	eL	16 28 18	LZ	17	2.0 (2)	95.0	
10	RK	eL	16 33 10	LZ	17	2.1 (2)	101.0	
10	LC	eP	16 51 10.6	Z	0.3	2.2 (0)	2.5	
		eS	16 51 42	T	0.5	7.8 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	17 27 02.2		36.3 N 137.1 E W. COAST HONSHU, JAPAN H =247 KM MAG 4.10- CGS					
10	NP	eP	17 36 32.3	JZ	.7	1.2 (1)	58.0	4.67
10	RK	eP	18 05 39.2	Z	1.5	5.7 (1)		
10	20 03 13.0		17.1 N 60.4 W LEEWARD ISLANDS REGION H =033 KM MAG 4.50- CGS					
10	LC	eP	20 11 22.5	Z	0.9	1.5 (1)	44.0	4.73
		e	20 11 36	Z	0.9	3.0 (1)		
		eL	20 22 02	LZ	20	1.3 (2)		
10	MV	eP	20 12 57.5	Z	0.7	3.3 (0)	57.0	4.48
		e	20 13 11	Z	0.9	1.3 (1)		
		eL	20 35 15	LZ	23	1.5 (2)		
10	NP	eP	20 14 00.0	JZ	.4	1.3 (1)	66.0	5.44
10	LV	eL	20 21 25	LZ	23	3.6 (2)	32.0	
10	RK	eL	20 23 22	LR	25	4.3 (2)	43.0	
							AVG.	4.88
10	LC	eP	21 07 30.0	Z	0.3	2.1 (1)	1.5	
		eS	21 07 49	R	0.5	8.6 (0)		
10	22 26 09.7		34.1 N 116.7 W SAN BERNARDINO, CALIFORNIA H =014 KM					
11	00 47 48.3		15.1 S 173.6 W TONGA ISLANDS REGION H =033 KM MAG 5.60- CGS					
11	HW	eP	00 55 14.7	Z	1.0	8.3 (1)	39.0	5.42
		eP	00 55 16	LZ	17	5.0 (2)		
		e	01 01 06	LR	18	1.0 (3)		
		eLR	01 05 07	LZ	27	1.0 (4)		
11	MV	eP	00 59 16.0	Z	1.4	1.2 (2)	73.0	5.74
		eS	01 08 50	LR	25	8.4 (2)		
		ePS	01 09 25	LT	21	1.6 (3)		
		eLQ	01 18 30	LR	25	3.9 (2)		
		eLR	01 20 38	LZ	27	4.4 (3)		
		eL	01 21 59	LT	23	3.7 (3)		
		eL	01 21 59	LR	26	9.6 (2)		
		eL	01 21 59	LZ	26	4.2 (3)		
11	LC	eP	00 59 55.2	Z	1.3	7.7 (1)	80.0	5.44

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	00 59 56	LZ	18	3.9 (2)		
		e	01 00 07	Z	1.2	7.2 (1)		
		eS	01 09 54	LR	25	1.3 (3)		
		eSS	01 15 07	LR	24	6.0 (2)		
		eLQ	01 20 32	LR	32	5.0 (2)		
		eLR	01 23 51	LZ	28	99.9 (9)		
11	RK	eP	01 01 10.8	Z	0.8	6.0 (0)	95.0	5.08
		eSKS	01 11 40	LR	22	4.2 (2)		
		ePS	01 13 42	LR	23	8.4 (2)		
		eSS	01 18 50	LR	22	6.6 (2)		
		eLQ	01 30 00	LT	29	3.6 (2)		
		eLR	01 31 55	LZ	33	5.9 (3)		
11	LV	eLR	01 30 00	LZ	32	2.8 (3)	91.0	
11	NP	eL	01 32 36	LZ	35	5.7 (3)	97.0	
11	DH	eLR	01 37 40	LZ	30	1.8 (3)	106.0	
		eL	01 44 13	LR	22	3.4 (3)		
		eL	01 44 13	LT	22	1.3 (3)		
		eL	01 44 13	LZ	20	99.9 (9)		
							AVG.	5.42
11	02 31 19.4		17.8 S 178.6 W FIJI ISLANDS H =537 KM MAG 4.90- CGS					
11	HW	eP	02 38 39.4	Z	1.0	6.2 (2)	44.0	6.10
11	MV	eP	02 42 23.8	Z	0.9	5.5 (0)	78.0	3.99
		epP	02 44 22	Z	1.4	3.8 (1)		
		eLR	03 16 25	LZ	25	2.6 (2)		
11	LC	eP	02 43 00.3C	Z	1.1	1.0 (2)	85.0	5.39
		epP	02 45 01	Z	1.2	1.7 (1)		
11	RK	eP	02 44 07.8	Z	1.0	7.3 (0)	100.0	5.07
11	NP	eP	02 44 08.0	JZ	.6	1.5 (1)	100.0	5.61
							AVG.	5.23
11	RK	eLR	02 55 57	LZ	23	3.5 (2)		
11	03 54 39.5		07.2 S 125.5 E BANDA SEA H =145 KM MAG 5.30- CGS					
11	RK	eP	04 13 17.0	Z	0.9	7.6 (0)	126.0	
11	LC	eP	04 13 19.0	Z	1.3	1.4 (1)	126.0	
11	09 12 15.5		45.3 N 150.1 E KURILE ISLANDS H =043 KM MAG 4.50- CGS					
11	09 22 36.*		32.1 N 130.2 E NEAR W. CST. KYUSHU, JAPAN H =170 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11			10 02 02.* 08.0 N 126.1 E E. COAST MINDANAO; P.I. H =033 KM					
11			11 12 30.3 24.2 S 179.3 E FIJI ISLANDS H =540 KM MAG 4.70m CGS					
11	MV	eP	11 24 06.0	Z	1.2	2.5 (1)	84.0	4.73
11	LC	eP	11 24 37.0	Z	1.0	8.4 (0)	90.0	4.63
							AVG.	4.68
11	MV	eP	14 12 52.8	Z	0.6	1.5 (0)		
11			17 08 12.3 51.2 N 179.3 W ANDREANOF ALEUTIAN ISLANDS H =032 KM MAG 5.30m CGS					
11	NP	eP	17 14 54.6	JZ	.6	2.5 (1)	34.0	5.30
11	MV	eP	17 15 58.2	Z	0.9	6.8 (0)	42.0	4.42
		eP	17 16 00	LZ	13	3.6 (2)		
		ePCP	17 17 55	Z	0.7	5.3 (0)		
		eS	17 22 20	LT	20	9.9 (2)		
		eLQ	17 26 10	LT	34	2.8 (3)		
		eLR	17 28 05	LZ	27	99.9 (9)		
11	RK	eP	17 17 11.1	Z	0.9	1.9 (1)	51.0	5.06
		eS	17 24 27	LR	21	8.7 (2)		
		eSCS	17 27 00	LR	17	8.5 (2)		
		eLQ	17 31 20	LR	38	4.9 (3)		
		eLR	17 33 40	LZ	29	2.4 (3)		
		eL	17 36 11	LR	19	3.3 (3)		
		eL	17 36 11	LT	23	1.7 (3)		
		eL	17 36 11	LZ	25	2.4 (3)		
11	LC	eP	17 17 43.0	Z	0.8	7.5 (0)	55.0	4.77
		eP	17 17 44	LZ	15	2.1 (2)		
		eS	17 25 26	LR	21	6.7 (2)		
		eS	17 25 26	LT	23	8.5 (2)		
		eSS	17 29 12	LR	26	1.4 (3)		
		eLR	17 35 00	LZ	25	7.2 (2)		
11	LV	eP	17 18 46.1	Z	0.8	1.9 (1)	64.0	5.29
		eP	17 18 47	LZ	10	7.0 (2)		
		eLR	17 42 44	LZ	21	8.5 (2)		
11	DH	eP	17 18 58.5	Z	0.9	2.1 (1)	66.0	5.28
		eS	17 27 45	LT	19	6.0 (2)		
		eS	17 27 45	LR	20	9.2 (2)		
		eSS	17 32 25	LT	26	5.6 (2)		
		eLQ	17 38 50	LR	37	2.5 (3)		
		eLR	17 42 30	LZ	28	1.2 (3)		
		eL	17 49 33	LT	18	2.1 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	17 49 33	LR	22	9.9 (2)		
		eL	17 49 33	LZ	17	4.3 (3)		
11	HW	eS	17 21 02	LT	18	1.5 (3)	36.0	
		eLR	17 24 44	LZ	23	5.0 (3)		
		eL	17 26 08	LT	22	5.6 (3)		
		eL	17 26 08	LR	24	2.2 (3)		
		eL	17 26 08	LZ	21	5.3 (3)		
							AVG.	5.08
11			17 12 45.1 51.1 N 179.4 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 4.70m CGS					
11	NP	eP	17 19 32	LZ	25	9.2 (2)	34.0	
11	RK	eP	17 21 44.0	Z	0.8	6.0 (0)	51.0	4.61
11	LC	eP	17 22 20.0	Z	0.8	4.5 (0)	55.0	4.55
							AVG.	4.58
11			17 25 12.5 51.3 N 179.5 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 4.90m CGS					
11	NP	eP	17 31 54.4	JZ	.7	7.9 (0)	34.0	4.72
11	MV	eP	17 32 59.3	Z	0.5	1.3 (0)	42.0	3.96
11	RK	eP	17 34 11.0	Z	0.7	8.6 (0)	51.0	4.82
11	LC	eP	17 34 47.0	Z	0.7	3.6 (0)	55.0	4.52
11	DH	eP	17 35 58.0	Z	0.7	9.2 (0)	66.0	5.02
							AVG.	4.60
11			17 43 17.4 51.0 N 179.3 W ANDREANOF ALEUTIAN IS. H =033 KM MAG 4.50m CGS					
11			18 09 17.2 51.0 N 179.7 W ANDREANOF ALEUTIAN IS. H =033 KM MAG 4.60m CGS					
11			18 28 48.3 51.3 N 179.2 W ANDREANOF ALEUTIAN IS H =033 KM MAG 4.70m CGS					
11	LC	eP	18 34 51.7	Z	0.2	1.3 (1)	1.5	
		eS	18 35 11	T	0.3	1.3 (1)		
11			19 12 59.6 51.3 N 179.5 W ANDREANOF ALEUTIAN ISLANDS H =054 KM MAG 4.70m CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	RK	eP	19 21 55.4	Z	0.7	4.9 (0)	51.0	4.60
11	LC	eP	19 22 28.0	Z	1.0	6.0 (0)	55.0	4.58
11	HW	eLR	19 29 57	LZ	23	4.1 (2)	36.0	
							AVG.	4.75
11	RK	eP	19 26 55.5	Z	0.3	1.8 (0)	0.1	
		eS	19 26 57	T	0.4	3.7 (1)		
11	19 28 02.7		51.3 N 179.4 W	ANDREANOF ALEUTIAN IS.				
			H =033 KM MAG	4.80-	CGS			
11	LC	eP	19 56 42.8	Z	0.2	1.7 (0)	2.9	
		e	19 56 58	Z	0.3	2.2 (0)		
		eS	19 57 19	T	0.4	8.2 (0)		
11	20 25 13.5		51.3 N 179.4 W	ANDREANOF ALEUTIAN IS.				
			H =033 KM MAG	4.60-	CGS			
11	DH	eP	20 28 00.8	Z	0.3	6.8 (0)	1.9	
		eS	20 28 26	T	0.4	3.2 (1)		
11	LC	eP	21 24 53.1	Z	0.2	7.9 (0)	1.4	
		eS	21 25 13	T	0.3	6.0 (0)		
12	00 38 24.6		18.7 N 107.0 W	OFF COAST OF JALISCO, MEX.				
			H =033 KM MAG	4.50-	CGS			
12	NP	eP	00 48 14.0	JZ	1.4	4.1 (1)	58.0	5.27
12	04 12 55.9		08.3 S 128.5 E	TIMOR REGION				
			H =179 KM MAG	4.70-	CGS			
12	RK	eP	06 06 46.1	Z	0.6	6.1 (0)		
12	09 47 02.*		22.8 S 178.9 W	FIJI ISLANDS REGION				
			H =033 KM MAG	4.20-	CGS			
12	LC	eP	11 24 56.3	Z	0.7	1.2 (0)		
12	14 04 03.2		46.0 N 149.9 E	KURILE ISLANDS				
			H =033 KM MAG	4.10-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	15 02 48.*		04.5 N 97.2 E	NORTHERN SUMATRA				
			H =033 KM					
12	17 04 46.*		11.1 S 163.0 E	SOLOMON ISLANDS REGION				
			H =033 KM MAG	4.70-	CGS			
12	RK	eP	17 29 29.0	Z	0.5	4.5 (0)		
12	17 59 23.3		32.4 S 69.0 W	SAN JUAN PROV., ARGENTINA				
			H =051 KM MAG	4.40-	CGS			
12	LC	eP	18 10 54.0	Z	0.7	1.2 (0)	74.0	3.94
12	20 54 34.8		05.7 N 73.1 W	COLOMBIA				
			H =140 KM MAG	4.90-	CGS			
12	DH	eP	21 01 26.5	Z	0.7	2.8 (1)	36.0	5.20
12	LC	iP	21 02 07.4C	Z	1.0	1.1 (2)	41.0	5.52
		eSP	21 02 59	Z	1.0	2.2 (1)		
		eSCP	21 07 45	Z	1.0	2.4 (0)		
12	RK	eP	21 03 05.0	Z	0.6	6.3 (0)	48.0	4.47
12	MV	eP	21 03 52.9	Z	1.0	8.3 (0)	55.0	4.56
12	NP	eP	21 06 01.5	JZ	.7	5.1 (1)	74.0	5.42
							AVG.	5.03
12	22 26 42.2		19.8 S 174.1 W	TONGA ISLANDS				
			H =033 KM MAG	4.40-	CGS			
12	23 24 36.6		46.3 N 150.5 E	KURILE ISLANDS				
			H =090 KM MAG	5.20-	CGS			
12	NP	eP	23 32 49.1	JZ	.8	5.1 (1)	46.0	5.43
12	MV	eP	23 34 48.3	Z	0.6	8.0 (0)	62.0	4.94
		epP	23 35 11	Z	1.4	3.0 (1)		
12	RK	eP	23 35 29.0	Z	0.6	2.0 (1)	69.0	5.16
12	LC	eP	23 36 11.7	Z	0.6	5.7 (0)	75.0	4.60
		epP	23 36 39	Z	1.3	3.4 (1)		
		epP	23 36 40	LZ	18	1.8 (2)		
12	DH	eP	23 36 53.3	Z	0.6	3.0 (1)	82.0	5.34
12	LV	eP	23 37 06.0	Z	1.3	1.2 (2)	84.0	5.70
13	LV	eL	00 14 21	LZ	21	1.7 (2)	84.0	
12	HW	eL	23 47 44	LZ	30	9.0 (2)	51.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
						AVG.		5.20
13			02 47 14.*	25.9 N 126.1 E	RYUKYU ISLANDS			
				H =109 KM MAG	4.60- CGS			
13	NP	eP	03 58 17.0	JZ	.9	2.4 (1)		
13			04 16 13.5	02.7 S 78.4 W	ECUADOR			
				H =109 KM MAG	4.50- CGS			
13	LC	eP	04 24 13.1	Z	0.7	6.1 (0)	44.0	4.42
13			05 28 07.3	06.9 N 77.1 W	NORTHERN COLOMBIA			
				H =033 KM MAG	4.00- CGS			
13			06 54 46.4	15.9 S 168.2 E	NEW HEBRIDES ISLANDS			
				H =033 KM MAG	4.60- CGS			
13			12 15 19.9	56.2 N 159.0 W	ALASKA PENINSULA			
				H =149 KM MAG	4.20- CGS			
13	RK	eP	12 22 26.0	Z	0.9	1.5 (1)	38.0	4.74
13	NP	eP	13 20 34.5	JZ	.7	8.9 (0)		
13			16 12 36.*	14.5 S 167.5 E	NEW HEBRIDES ISLANDS			
				H =159 KM MAG	3.50- CGS			
13			19 57 27.4	14.5 N 91.9 W	GUATEMALA			
				H =139 KM MAG	4.00- CGS			
13			21 10 21.0	03.5 S 140.1 E	WESTERN NEW GUINEA			
				H =044 KM MAG	5.80- CGS			
13	RK	eP	21 51 07.8	Z	0.3	4.6 (0)	2.4	
		eS	21 51 39	R	0.3	1.1 (1)		
13			22 20 19.4	44.3 N 149.1 E	KURILE ISLANDS			
				H =040 KM MAG	4.40- CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14			00 05 39.8	02.3 S 61.2 W	NORTHERN BRAZIL			
				H =036 KM MAG	4.80- CGS			
14	LV	eP	00 14 11.4	Z	0.8	2.0 (1)	45.0	5.03
		eLR	00 28 17	LZ	25	3.8 (2)		
14	DH	eP	00 14 14.7	Z	1.1	3.4 (1)	46.0	5.22
14	LC	eP	00 15 10.2	Z	0.9	6.7 (0)	55.0	4.68
		e	00 15 29	Z	0.9	1.5 (1)		
		ePCP	00 16 25	Z	1.1	1.1 (1)		
14	RK	eP	00 15 41.6	Z	0.8	7.6 (0)	60.0	4.82
		eL	00 37 10	LT	28	4.4 (1)		
14	MV	eP	00 16 55.3	Z	1.3	1.3 (1)	69.0	4.86
							AVG.	4.92
14	NP	eP	01 35 54.9	JZ	.5	2.3 (0)		
14			01 45 13.8	17.9 S 178.3 W	FIJI ISLANDS REGION			
				H =550 KM MAG	4.30- CGS			
14	HW	eP	01 52 31.8	Z	0.5	4.6 (1)	44.0	5.27
14	MV	eP	01 56 15.7	Z	1.0	1.3 (1)	78.0	4.32
14	LC	eP	01 56 52.5	Z	1.0	1.1 (1)	85.0	4.45
		ePP	01 58 58	Z	1.1	3.1 (0)		
							AVG.	4.68
14			01 56 09.7	05.2 S 151.7 E	NEW BRITAIN REGION			
				H =054 KM MAG	4.90- CGS			
14			03 44 01.1	45.4 N 150.1 E	KURILE ISLANDS			
				H =033 KM MAG	4.60- CGS			
14			05 07 41.2	13.8 S 169.9 E	NEW HEBRIDES ISLANDS REG.			
				H =614 KM MAG	4.40- CGS			
14			06 49 34.6	44.5 N 151.7 E	KURILE ISLANDS			
				H =045 KM MAG	4.50- CGS			
14			07 35 21.6	02.8 S 140.8 E	NEAR N. COAST NEW GUINEA			
				H =033 KM				
14			07 51 07.9	62.7 N 149.5 W	CENTRAL ALASKA			
				H =095 KM MAG	5.10- CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	NP	eP	07 54 57.6	JZ	.9	5.2 (1)	17.0	4.76
14	MV	eP	07 56 59.7	Z	0.8	2.4 (1)	29.0	4.89
		eP	07 57 00	LZ	14	1.7 (2)		
		ePP	07 57 24	Z	1.2	8.4 (1)		
		ePCP	08 00 06	Z	0.7	4.1 (0)		
		eSCP	08 03 30	LZ	17	2.8 (2)		
		eSCP	08 03 42	Z	0.8	2.0 (0)		
		eL	08 05 20	LZ	29	3.6 (2)		
14	RK	eP	07 57 23.1	Z	1.0	8.7 (1)	32.0	5.45
		e	07 57 50	Z	0.8	3.6 (1)		
		eL	08 07 33	LT	18	4.9 (1)		
14	LC	eP	07 58 40.5	Z	1.1	1.2 (1)	41.0	4.66
		e	07 59 07	Z	0.9	7.7 (0)		
		ePP	08 00 38	Z	1.2	8.0 (0)		
		eL	08 11 40	LZ	28	2.9 (2)		
14	HW	eP	07 58 58.0	Z	0.7	2.0 (1)	43.0	4.97
		eLR	08 11 41	LZ	22	2.1 (2)		
14	DH	eP	07 59 28.7	Z	1.2	5.7 (1)	47.0	5.30
		eL	08 15 13	LR	28	6.1 (2)		
14	LV	eP	07 59 33.3	Z	0.6	8.2 (1)	47.0	5.76
		eLR	08 15 08	LZ	28	3.0 (2)		
							AVG.	5.11
14	LC	eP	08 27 36.5	Z	0.7	1.8 (0)		

14 10 26 47.0 05.0 N 82.6 W SOUTH OF PANAMA
H =033 KM MAG 4.50- CGS

14	LC	eP	10 33 41.2	Z	0.9	2.9 (0)	35.0	4.21
		eL	10 44 07	LZ	32	27.1 (2)		
14	LV	eLR	10 41 48	LZ	23	3.5 (2)	28.0	
14	DH	eL	10 43 48	LR	31	8.7 (2)	38.0	
14	MV	eLR	10 51 42	LZ	30	3.8 (2)	49.0	

14 11 42 50.1 05.4 S 152.8 E NEW BRITAIN
H =043 KM MAG 5.10- CGS

14	MV	eP	12 43 17.2	Z	0.3	3.0 (0)		1.6
		eS	12 43 39	R	0.4	5.6 (0)		

14 12 55 08.6 43.6 N 110.3 W WESTERN WYOMING
H =033 KM MAG 4.10- CGS

14	LC	eL	13 01 06	Z	0.7	0.6 (0)	12.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	RK	eP	13 14 12.1	Z	0.3	6.5 (0)		2.4
		eS	13 14 43	T	0.4	2.8 (1)		
14	HW	eP	13 32 47.8	Z	0.3	1.5 (1)		0.4
		eS	13 32 54	T	0.3	6.3 (1)		
14	LC	eP	13 56 06.5	Z	0.5	0.4 (0)		
14	LC	eL	13 58 59	T	0.9	1.8 (0)		
14	DH	eP	14 45 56.5	Z	0.3	1.0 (1)		1.7
		eS	14 46 20	T	0.4	1.9 (1)		

14 15 06 05.* 07.1 S 155.7 E SOLOMON ISLANDS
H =095 KM MAG 4.50- CGS

14	RK	eP	16 57 27.4	Z	0.2	1.1 (0)		4.1
		eS	16 58 18	T	0.4	1.7 (1)		
14	LC	eP	17 05 13.6	Z	0.2	1.1 (0)		3.0
		eS	17 05 52	T	0.6	3.4 (0)		

14 17 34 01.* 41.7 N 139.4 E S. COAST HOKKAIDO, JAPAN
H =033 KM MAG 3.90- CGS

14	DH	eP	17 37 11.4	Z	0.3	3.3 (0)		1.5
		eS	17 37 30	T	0.4	2.4 (1)		

14 18 46 38.1 44.5 N 114.8 W CENTRAL IDAHO
H =033 KM MAG 3.90- CGS

14	DH	eP	19 10 04.7	Z	0.4	6.4 (0)		1.5
		eS	19 10 24	R	0.4	2.7 (1)		
14	LC	eP	19 24 29.4	Z	1.0	2.4 (0)		
14	LC	eP	20 05 08.0	Z	0.5	0.4 (0)		2.5
		eS	20 05 40	R	0.4	0.4 (0)		

14 23 02 48.* 44.7 N 149.1 E KURILE ISLANDS
H =033 KM MAG 4.00- CGS

15 00 05 01.* 18.0 S 178.5 W FIJI ISLANDS REGION
H =638 KM MAG 3.40- CGS

15 03 20 18.1 44.3 N 149.5 E KURILE ISLANDS
H =015 KM MAG 4.00- CGS

15 03 20 20.* 42.2 N 151.2 E KURILE ISLANDS
H =033 KM MAG 4.00- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15			03 39 49.4	52.6 N 169.3 W	FOX ALEUTIAN ISLANDS			
			H =026 KM MAG	3.90-	CGS			
15			05 37 13.8	18.1 S 178.0 W	FIJI ISLANDS			
			H =650 KM MAG	3.60-	CGS			
15			07 02 36.5	28.6 N 129.9 E	RYUKYU ISLANDS			
			H =033 KM MAG	4.80-	CGS			
15	MV	eP	07 15 12.7	Z	1.1	1.0 (1)	85.0	4.88
15			07 33 20.2	34.3 N 88.8 E	TIBET			
			H =033 KM MAG	4.80-	CGS			
15	LC	eP	09 40 49.0	Z	0.8	3.0 (0)		
15			10 22 53.7	44.1 N 149.2 E	KURILE ISLANDS			
			H =045 KM MAG	4.10-	CGS			
15	LC	eP	10 34 45.6	Z	0.7	1.2 (0)	77.0	4.02
15			11 36 24.3	39.1 N 114.3 W	EASTERN NEVADA			
			H =033 KM MAG	3.50-	CGS			
15	MV	eP	11 37 53.2	Z	0.4	1.7 (0)	5.0	3.92
		e	11 38 48	Z	0.4	1.7 (0)		
		eL	11 39 14	T	0.4	4.7 (0)		
15	LC	eP	11 38 35.9	Z	1.0	4.9 (0)	9.0	4.69
							AVG.	4.30
15			13 12 15.1	44.3 N 150.3 E	KURILE ISLANDS			
			H =450 KM MAG	4.20-	CGS			
15			15 05 18.4	04.7 S 102.9 E	NEAR COAST OF SUMATRA			
			H =072 KM MAG	5.00-	CGS			
15			15 44 22.3	51.0 N 128.8 W	VANCOUVER ISLAND REGION			
			H =033 KM MAG	4.00-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	MV	eP	15 47 24.5	Z	2.5	1.0 (2)	13.0	5.39
15	RK	eP	15 49 18.5	Z	2.0	1.3 (2)	22.0	5.01
		eL	15 55 40	LZ	35	1.4 (3)		
15	LC	eP	15 49 42.2	Z	1.0	3.7 (0)	25.0	3.97
		e	15 49 46	Z	1.0	1.3 (1)		
		eL	15 57 05	LR	22	1.0 (3)		
15	LV	eL	16 01 35	LZ	35	4.6 (2)	33.0	
							AVG.	4.79
15			16 54 23.6	16.3 N 97.7 W	OAXACA, MEXICO			
			H =035 KM MAG	4.20-	CGS			
15	LC	eP	16 58 32.0	Z	1.0	7.4 (0)	18.0	3.81
		eL	17 04 00	LR	15	1.8 (3)		
		eL	17 04 37	T	2.8	1.4 (2)		
15	MV	eL	17 10 25	LZ	20	1.4 (2)	31.0	
15			17 32 37.2	09.4 S 124.1 E	TIMOR REGION			
			H =033 KM MAG	4.50-	CGS			
15	LC	eL	18 37 30	LZ	25	1.0 (2)	128.0	
15			19 24 12.*	10.9 S 164.2 E	SOLOMON ISLANDS REGION			
			H =033 KM MAG	4.20-	CGS			
15			19 34 45.5	04.8 S 108.0 E	JAVA SEA			
			H =650 KM MAG	6.40-	CGS			
15	HW	eP	19 47 15.5	Z	1.1	1.0 (2)	98.0	6.01
		eP	19 47 16	LZ	19	1.1 (3)		
		epP	19 49 39	LZ	18	1.6 (3)		
		e	19 54 23	LZ	24	2.8 (3)		
		eSKS	19 56 50	LR	17	9.3 (3)		
		eS	19 57 40	LR	16	1.4 (4)		
		esS	19 59 10	LR	25	1.3 (4)		
		e	20 01 00	LR	25	1.1 (4)		
15	MV	ePD	19 49 15	LZ	25	2.5 (2)	124.0	
		epP	19 51 40	LZ	26	2.4 (2)		
		ePi	19 52 25	Z	1.0	1.1 (1)		
		ePi	19 52 30	LZ	16	1.0 (3)		
		e	19 52 33	Z	1.1	99.9 (9)		
		esP	19 54 30	LZ	25	1.7 (3)		
		ePP	19 54 47	Z	0.9	3.3 (1)		
		e	19 55 04	Z	999.9	99.9 (9)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	19 55 50	LR	20	1.5 (3)		
		epPP	19 55 57	Z	1.0	5.6 (1)		
		ePPP	19 57 37	Z	1.1	4.2 (1)		
		ePPP	19 57 40	LZ	25	3.5 (3)		
		eSKS	19 58 38	R	2.0	1.0 (2)		
		epPPP	19 59 10	LZ	25	3.5 (3)		
		eSKKS	20 00 17	R	2.5	2.4 (2)		
		ePKKP	20 02 23	Z	1.0	1.6 (1)		
		eSP	20 03 17	Z	4.0	7.9 (2)		
		eSP	20 03 20	LZ	22	6.6 (3)		
		eSPP	20 05 08	Z	1.1	3.1 (1)		
		eSKKP	20 06 06	Z	2.1	1.4 (2)		
		eSKKP	20 06 10	LZ	23	99.9 (9)		
		e	20 08 30	Z	3.0	2.1 (2)		
		eSS	20 10 30	LT	30	8.2 (3)		
		e	20 11 55	R	3.5	6.4 (2)		
		e	20 14 45	LR	999.9	99.9 (9)		
		e	20 18 20	LR	24	5.8 (3)		
		eL	20 25 30	LZ	28	7.1 (3)		
15	RK	ePD	19 49 35	LZ	24	3.6 (2)	131.0	
		e	19 50 21	Z	0.5	3.2 (0)		
		ePi	19 52 20	Z	1.0	3.4 (1)		
		ePi	19 52 20	LZ	17	1.6 (3)		
		e	19 52 27	Z	0.5	2.1 (1)		
		e	19 52 45	Z	0.9	4.0 (2)		
		e	19 54 55	Z	1.0	2.1 (2)		
		ePP	19 55 07	Z	999.9	99.9 (9)		
		ePP	19 55 10	LZ	18	2.9 (3)		
		ePKS	19 56 10	LT	999.9	99.9 (9)		
		ePKS	19 56 11	T	1.2	1.8 (3)		
		e	19 58 30	LZ	30	7.4 (3)		
		eSKS	19 58 44	T	1.5	6.3 (2)		
		eSP	20 04 44	Z	0.6	3.6 (1)		
		e	20 11 16	T	1.1	7.2 (1)		
15	LC	ePi	19 52 48.0	Z	1.0	2.4 (0)	138.0	
		ePi	19 52 48	LZ	15	2.4 (3)		
		e	19 52 54	Z	0.9	5.2 (1)		
		e	19 53 33	Z	1.0	7.6 (1)		
		eSKP	19 55 23	LZ	20	3.5 (3)		
		eSKP	19 55 31	Z	1.0	2.0 (2)		
		ePP	19 56 11	Z	1.0	6.4 (1)		
		e	19 56 37	LR	23	3.8 (3)		
		e	19 58 05	T	1.2	5.9 (1)		
		eSKS	19 58 50	LR	22	4.7 (3)		
		eSSKP	20 00 08	LZ	21	3.9 (3)		
		eSKKS	20 01 40	LR	17	99.9 (9)		
		e	20 02 05	R	2.5	1.7 (2)		
		eSKKP	20 04 19	Z	1.0	4.4 (1)		
		epPP	20 08 06	Z	1.1	7.1 (1)		
		e	20 08 10	LZ	22	3.9 (3)		
		e	20 10 45	R	2.9	2.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	20 11 01	LZ	26	99.9 (9)		
		e	20 13 20	Z	1.2	8.0 (0)		
15	DH	eP 1	19 53 10.0	Z	0.7	3.2 (2)	143.0	
		e	19 54 06	Z	1.2	5.7 (2)		
		ePP	19 55 49	Z	1.1	4.7 (2)		
		eSKKP	20 04 05	Z	1.9	5.9 (2)		
15	LV	eP 1	19 53 16.0	Z	1.3	4.9 (2)	147.0	
		eP 1	19 53 18	LZ	29	99.9 (9)		
		eP 2	19 53 20	Z	1.3	2.6 (3)		
		eSKP	19 55 42	LZ	22	3.7 (3)		
		eSKP	19 55 48	Z	1.7	3.9 (2)		
		ePPP	20 00 09	LZ	28	5.2 (3)		
		e	20 03 05	LZ	18	5.3 (3)		
		e	20 03 42	Z	0.9	9.7 (1)		
15	LC	eP	21 19 44.4	JZ	1.1	4.4 (0)		
16		01 51 23.2	06.1 S 104.9 E NEAR WEST COAST OF SUMATRA H =036 KM MAG 6.10- CGS					
16	LV	eP 1	02 11 17.0	Z	1.2	7.5 (1)	150.0	
		eP 1	02 11 18	LZ	20	6.5 (2)		
		eP 2	02 11 26	Z	1.4	6.0 (2)		
		e	02 26 27	Z	1.0	3.1 (1)		
		eL	03 06 42	LZ	29	4.7 (3)		
16		01 51 30.6	06.4 S 105.4 E SUNDA STRAIT H =064 KM MAG 6.00- CGS					
16	MV	eP	02 10 30.0	Z	1.0	4.1 (1)	127.0	
		e	02 10 39	Z	1.0	7.9 (1)		
		e	02 12 55	LZ	14	3.4 (2)		
		e	02 22 42	LZ	22	2.7 (2)		
		e	02 25 41	Z	0.9	1.0 (1)		
		e	02 30 44	LZ	20	6.0 (2)		
		eL	02 50 50	LZ	29	2.6 (3)		
16	RK	eP	02 10 40.0	Z	0.9	2.3 (1)	133.0	
		e	02 10 49	Z	0.8	3.6 (1)		
		eSKP	02 14 04	Z	1.1	6.2 (1)		
		e	02 14 08	Z	0.9	7.6 (1)		
		e	02 14 25	LZ	20	5.9 (2)		
		e	02 25 51	Z	0.8	1.0 (1)		
		e	02 26 25	LZ	24	6.6 (2)		
		e	02 29 16	Z	0.9	1.2 (1)		
		e	02 36 05	LT	25	1.1 (3)		
		eL	02 56 07	LZ	29	1.8 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	03 04 42	LZ	25	3.0 (3)		
16	LC	eP1	02 10 51.0	Z	1.0	5.1 (0)	141.0	
		e	02 10 59	Z	0.9	1.1 (1)		
		eP1	02 11 05	LZ	16	1.9 (2)		
		eSKP	02 14 31	Z	1.0	1.7 (1)		
		e	02 14 55	LZ	17	5.0 (2)		
		e	02 41 25	LT	27	2.2 (3)		
		eL	03 10 00	LZ	25	1.9 (3)		
16	HW	eL	02 39 05	LZ	25	2.4 (3)	100.0	
16	02 06 38.2		06.3 S 105.5 E NEAR WEST COAST OF SUMATRA H =033 KM					
16	HW	eL	02 18 04	LZ	22	6.5 (2)		
16	02 45 35.3		06.2 S 105.4 E NEAR WEST COAST OF SUMATRA H =055 KM MAG 5.00= CGS					
16	04 16 43.0		06.3 S 105.5 E NEAR WEST COAST OF SUMATRA H =063 KM MAG 5.80= CGS					
16	MV	eP1	04 35 43.0	Z	0.9	2.6 (0)	127.0	
16	RK	eSKP	04 39 18	Z	0.9	8.4 (0)	133.0	
16	05 08 14.8		05.0 S 133.8 E OFF COAST WEST NEW GUINEA H =039 KM MAG 5.00= CGS					
16	05 17 14.4		17.1 N 147.0 E MARIANA ISLANDS REGION H =048 KM MAG 4.60= CGS					
16	06 23 20.4		12.2 N 88.4 W OFF COAST OF EL SALVADOR H =034 KM MAG 4.30= CGS					
16	LC	eP	06 28 52.0	Z	0.5	1.8 (0)	26.0	3.94
16	RK	eP	06 30 40.9	Z	0.6	1.2 (1)	39.0	4.83
							AVG.	4.38
16	06 27 23.8		17.4 S 167.9 E NEW HEBRIDES ISLANDS H =033 KM					
16	10 49 52.5		13.9 N 90.9 W NEAR COAST OF GUATEMALA H =059 KM MAG 4.30= CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	LC	eP	10 54 58.0	Z	1.0	1.9 (1)	23.0	4.48
16	11 09 30.4		45.8 N 142.6 E SOUTHERN SAKHALIN H =258 KM					
16	HW	eP	11 18 47.5	Z	0.8	5.0 (1)	56.0	5.13
16	LC	eP	11 21 14.5	Z	0.6	1.3 (1)	80.0	4.92
							AVG.	5.02
16	13 47 56.4		37.1 N 20.9 E IONIAN SEA H =015 KM MAG 5.60= CGS					
16	RK	eP	13 59 40.0	Z	1.1	3.4 (1)	75.0	5.27
		eL	14 26 11	LZ	28	6.4 (2)		
16	LC	eP	14 01 22.0	Z	1.1	3.1 (1)	95.0	5.66
16	MV	eL	14 33 02	LR	35	4.1 (2)	96.0	
							AVG.	5.54
16	14 18 04.9		49.1 S 127.1 E 2000 KM. SOUTH AUSTRALIA H =033 KM MAG 5.30= CGS					
16	RK	eP1	14 38 09.0	Z	1.0	1.6 (1)	154.0	
		eL	15 30 55	LZ	27	5.7 (2)		
16	HW	eL	15 03 20	LZ	25	1.1 (3)	97.0	
16	LC	eL	14 41 00	LZ	25	3.6 (2)		
16	15 18 34.8		15.2 S 173.7 W SAMOA ISLANDS H =033 KM MAG 4.80= CGS					
16	LC	eP	15 30 41.6	Z	1.0	1.2 (1)	80.0	4.76
16	HW	eL	15 36 15	LZ	25	7.7 (2)	39.0	
16	MV	eL	15 51 50	LZ	23	2.7 (2)	73.0	
16	16 06 35.2		06.5 S 105.3 E SUNDA STRAIT H =046 KM MAG 6.00= CGS					
16	RK	eP1	16 25 46.0	Z	0.8	6.7 (0)	133.0	
		eSKP	16 29 25	Z	0.9	1.2 (1)		
16	16 41 09.5		01.6 S 78.0 W ECUADOR H =170 KM MAG 4.80= CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	LC	eP	16 48 57.0	Z	0.9	2.9 (1)	43.0	4.87
		e	16 49 35	Z	0.7	4.9 (0)		
16	RK	eP	16 50 15.3	Z	0.5	3.1 (1)	54.0	5.32
							AVG.	5.09
16	RK	eP	17 54 01.2	Z	0.7	8.1 (0)		
16	LC	eP	21 06 01.3	Z	0.3	1.2 (1)	1.3	
		eS	21 06 20	T	0.3	99.9 (9)		
17	04 12 38.5		22.2 N 144.4 E VOLCANO ISLANDS REGION					
			H =101 KM MAG 4.40- CGS					
17	LC	eP	04 25 44.2	Z	1.0	2.4 (0)	93.0	4.49
17	08 33 23.*		33.4 S 178.6 W KERMADEC ISLANDS					
			H =383 KM MAG 4.00- CGS					
17	MV	eL	09 17 02	LZ	20	1.6 (2)	90.0	
17	10 19 10.0		06.5 S 146.8 E EASTERN NEW GUINEA					
			H =033 KM MAG 4.80- CGS					
17	HW	eLQ	10 46 06	LR	8	4.4 (3)	62.0	
		eLR	10 48 10	LZ	30	9.2 (2)		
17	LC	ePKKP	10 49 08	Z	1.0	2.4 (0)	107.0	
		eL	11 09 09	LZ	23	2.8 (2)		
17	MV	eL	11 02 40	LZ	34	4.7 (2)	96.0	
17	LV	eL	11 19 55	LZ	17	3.3 (2)	120.0	
17	10 58 12.0		36.7 N 71.2 E HINDU KUSH					
			H =203 KM MAG 4.20- CGS					
17	LC	eP	13 09 02.8	Z	0.6	1.0 (0)	5.9	
		eS	13 10 11	R	0.6	2.9 (0)		
17	13 52 31.*		45.6 N 151.7 E KURILE ISLANDS					
			H =033 KM MAG 3.90- CGS					
17	RK	eP	18 58 13.0	Z	1.0	7.5 (0)		
17	LC	eP	21 09 29.3	Z	0.3	1.7 (1)	1.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	21 09 47	T	0.3	1.7 (1)		
17	23 22 11.2		52.9 N 165.4 W FOX ALEUTIAN ISLANDS					
			H =033 KM MAG 4.90- CGS					
17	MV	eP	23 28 45.1	Z	0.9	6.3 (0)	33.0	4.52
17	RK	eP	23 30 06.1	Z	0.9	3.5 (1)	43.0	5.09
		e	23 30 19	Z	0.7	2.7 (1)		
17	LC	eP	23 30 36.4	Z	0.8	8.3 (0)	46.0	4.75
		e	23 30 48	Z	0.8	1.3 (1)		
17	HW	eL	23 37 22	LZ	27	5.8 (2)	34.0	
							AVG.	4.78
18	00 30 02.6		24.8 S 176.6 W TONGA ISLANDS					
			H =046 KM MAG 6.50- CGS					
18	HW	eP	00 38 46.3	Z	1.3	6.8 (2)	49.0	6.47
		eP	00 38 47	LZ	999.9	99.9 (9)		
		eS	00 45 49	T	3.2	5.3 (3)		
		eS	00 45 49	LT	999.9	99.9 (9)		
18	MV	eP	00 42 19.0	Z	1.2	99.9 (9)	82.0	
		eP	00 42 19	LZ	999.9	99.9 (9)		
		ePP	00 45 39	Z	1.9	99.9 (9)		
		e	00 46 10	Z	4.5	99.9 (9)		
		eS	00 52 35	R	3.0	7.7 (2)		
		eS	00 52 36	LR	999.9	99.9 (9)		
		eSKS	00 52 43	R	5.0	4.7 (3)		
		ePS	00 53 26	T	5.0	99.9 (9)		
		ePiP	01 08 55	Z	2.3	2.5 (2)		
		e	01 12 17	Z	2.0	1.6 (2)		
		ePiPiP	01 29 05	Z	1.5	1.4 (1)		
18	LC	eP	00 42 48.5	Z	1.3	4.1 (2)	88.0	6.47
		eP	00 42 49	LZ	999.9	99.9 (9)		
		ePP	00 45 59	LZ	999.9	99.9 (9)		
		e	00 46 49	Z	2.5	1.3 (3)		
		eSKS	00 53 22	LR	999.9	99.9 (9)		
		eSKS	00 53 32	T	11.0	2.7 (4)		
		ePS	00 54 22	T	13.0	9.2 (4)		
		eSPP	00 55 20	Z	8.5	2.0 (4)		
		ePKKP	01 00 38	Z	0.8	1.4 (1)		
		e	01 01 27	Z	2.1	2.3 (2)		
		e	01 02 10	Z	2.2	2.4 (2)		
		e	01 05 20	Z	2.4	2.8 (2)		
		ePiP	01 08 43	Z	1.2	2.3 (1)		
		ePiPiP	01 29 06	Z	2.0	2.3 (1)		
		e	01 29 35	Z	2.6	1.2 (2)		
		e	01 44 28	Z	0.9	1.9 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	LV	ePD	00 43 43.3	Z	0.8	6.3 (1)	99.0	6.35
		ePD	00 43 45	LZ	23	2.1 (4)		
		ePP	00 47 44	Z	1.5	2.9 (2)		
		ePP	00 47 55	LZ	20	2.5 (4)		
		e	00 48 10	Z	2.0	8.8 (2)		
		e	00 54 58	LZ	28	99.9 (9)		
		eS	00 55 03	R	5.0	1.3 (4)		
		e	01 04 32	Z	2.0	1.1 (2)		
18	RK	ePD	00 44 04.5	Z	1.2	3.2 (1)	105.0	
		ePD	00 44 06	LZ	21	99.9 (9)		
		e	00 47 26	Z	1.3	8.4 (1)		
		ePP	00 48 33	Z	1.5	1.8 (2)		
		ePP	00 48 35	LZ	999.9	99.9 (9)		
		e	00 49 05	Z	1.5	1.7 (2)		
		eSKS	00 54 50	LR	999.9	99.9 (9)		
		eSKS	00 55 25	R	8.0	2.0 (4)		
		eS	00 55 54	R	4.0	1.8 (3)		
		e	00 56 16	R	5.5	6.8 (3)		
		ePKKP	00 59 50	Z	0.5	1.3 (1)		
		e	01 10 39	Z	1.5	2.1 (1)		
							AVG.	6.43

18 01 42 13.5 07.4 S 76.0 W CENTRAL PERU
H =033 KM MAG 4.00- CGS

18	LC	eP	02 42 41.2	Z	0.7	1.2 (0)		

18 02 50 31.0 45.5 N 151.3 E KURILE ISLANDS
H =033 KM MAG 5.20- CGS

18	MV	eP	03 00 48.0	Z	0.7	5.9 (0)	62.0	4.86
18	RK	eP	03 01 32.1	Z	1.0	3.0 (1)	69.0	5.35
		e	03 01 44	Z	1.1	2.2 (1)		
18	LC	eP	03 02 11.9	Z	0.8	3.0 (0)	75.0	4.31
		e	03 02 26	Z	1.2	2.9 (1)		
18	LV	eP	03 03 04.0	Z	1.2	2.7 (1)	84.0	5.26
							AVG.	5.07

18 03 09 05.5 45.8 N 151.7 E KURILE ISLANDS
H =045 KM MAG 4.40- CGS

18 06 38 30.* 18.7 S 179.1 W FIJI ISLANDS
H =300 KM MAG 4.80- CGS

18 06 40 05.9 41.7 N 82.5 E SINKIANG PROVINCE, CHINA
H =033 KM MAG 5.20- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	RK	eP	06 52 41.4	Z	0.7	1.1 (1)	88.0	5.21
18	MV	eP	06 53 33.0	Z	0.7	1.7 (0)	97.0	4.75
		ePP	06 57 18	Z	1.0	1.7 (0)		
							AVG.	5.24

18	MV	eP	08 21 46.2	Z	0.2	2.3 (0)	1.3	
		eS	08 22 02	R	0.3	1.8 (1)		

18 10 06 51.0 43.7 N 126.9 W OFF COAST OF OREGON
H =033 KM MAG 4.20- CGS

18	MV	eP	10 08 19.4	Z	0.7	2.5 (0)	6.0	3.96

18 12 21 50.1 29.9 S 177.2 W KERMADEC ISLANDS
H =130 KM MAG 3.80- CGS

18	MV	eP	12 34 17.5	Z	1.0	3.3 (0)	86.0	4.20
18	LC	eP	12 34 51.8	Z	1.0	2.4 (0)	91.0	4.33
							AVG.	4.26

18	LC	eP	16 39 05.5	Z	0.5	0.9 (0)		
18	LC	eL	16 40 45	T	0.5	3.5 (0)		
18	RK	eP	18 02 27.2	Z	0.2	1.1 (0)	3.5	
		eS	18 03 11	R	0.5	4.3 (1)		
18	RK	eP	18 12 22.2	Z	0.8	7.7 (0)		
18	RK	e	18 12 37	Z	1.5	3.6 (1)		

18 18 13 15.8 37.2 N 140.7 E EAST COAST HONSHU, JAPAN
H =059 KM MAG 4.20- CGS

18 19 30 06.1 46.2 N 151.5 E KURILE ISLANDS
H =033 KM MAG 4.30- CGS

18	RK	eP	19 41 06.2	Z	0.8	3.1 (0)	68.0	4.46

19	MV	eP	01 36 24.7	Z	1.0	3.3 (0)		

19 01 47 34.* 39.0 S 70.4 W NEUQUEN PROV., ARGENTINA
H =033 KM MAG 4.30- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19			04 34 51.5	33.1 S 68.7 W	MENDOZA PROV., ARGENTINA			
			H =045 KM MAG	4.50- CGS				
19	LC	eP	04 46 26.0	Z	1.0	4.9 (0)	74.0	4.41
19			08 24 18.*	24.9 S 179.3 W	SOUTH OF FIJI ISLANDS			
			H =033 KM MAG	4.40- CGS				
19			14 54 44.*	08.3 S 80.8 W	OFF COAST OF CENTRAL PERU			
			H =033 KM MAG	4.30- CGS				
19	LC	eP	16 48 23.1	Z	0.5	1.4 (1)	3.5	
		eS	16 49 04	T	0.5	99.9 (9)		
19			17 04 07.8	09.7 S 79.1 W	NEAR COAST OF CENTRAL PERU			
			H =056 KM MAG	5.10- CGS				
19	LV	eP	17 12 07.0	Z	1.6	3.5 (2)	43.0	5.84
		eP	17 12 08	LZ	21	9.0 (2)		
		ePP	17 13 56	LZ	19	1.2 (3)		
		e	17 18 35	LZ	20	6.6 (2)		
		eL	17 22 06	LZ	24	2.9 (3)		
		eLR	17 25 25	LZ	24	3.1 (3)		
19	LC	eP	17 12 53.2	Z	0.9	6.7 (1)	49.0	5.62
		eP	17 12 54	LZ	25	7.1 (2)		
		e	17 13 08	Z	0.9	6.4 (1)		
		ePP	17 15 00	LZ	20	4.2 (2)		
		eS	17 20 20	LT	25	1.7 (3)		
		eSS	17 23 40	LR	25	3.2 (3)		
		eL	17 30 00	LZ	25	99.9 (9)		
19	RK	eP	17 14 20.0	Z	0.6	7.4 (1)	62.0	5.98
		eS	17 22 45	LT	25	1.2 (3)		
		eSS	17 27 30	LT	27	1.2 (3)		
19	MV	eP	17 14 26.6	Z	1.7	1.6 (2)	62.0	5.87
		eP	17 14 27	LZ	22	6.3 (2)		
		e	17 14 41	Z	1.8	1.2 (2)		
		e	17 15 20	Z	1.3	3.7 (1)		
		ePP	17 17 00	LZ	23	3.7 (2)		
		e	17 22 55	LZ	22	4.7 (2)		
		e	17 27 40	LZ	29	7.7 (2)		
		eL	17 30 20	LZ	30	1.2 (3)		
		eLR	17 35 09	LZ	23	2.5 (3)		
19	HW	eP	17 16 20	LZ	25	5.5 (2)	81.0	
		eS	17 26 46	LT	20	8.3 (2)		
		ePS	17 27 30	LT	20	1.9 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	17 40 55	LZ	25	3.5 (3)		
						AVG.		5.82
19	MV	eP	17 43 35.5	Z	1.3	1.0 (1)		
19	MV	e	17 43 51	Z	0.9	1.1 (1)		
19			18 43 38.3	35.6 N 25.7 E	NEAR NORTH COAST OF CRETE			
			H =033 KM MAG	4.80- CGS				
19	MV	eP	19 40 34.6	Z	0.6	7.1 (0)	2.3	
		eS	19 41 04	R	0.7	7.4 (0)		
19	LC	eP	19 56 38.2	Z	0.3	1.3 (1)	1.5	
		eS	19 57 07	T	0.3	1.5 (1)		
19			20 33 50.1	35.2 S 68.0 W	MENDOZA PROV., ARGENTINA			
			H =032 KM MAG	5.30- CGS				
19	LV	eP	20 45 03.6	Z	1.1	8.6 (1)	71.0	5.70
19	LC	eP	20 45 37.5	Z	1.0	4.9 (1)	76.0	5.50
		eL	21 12 15	LZ	16	2.8 (2)		
19	MV	eP	20 46 42.5	Z	1.2	1.0 (1)	89.0	4.93
						AVG.		5.37
19	LC	eP	20 53 10.7	Z	1.0	3.7 (0)		
19			22 34 59.8	52.0 N 170.8 W	FOX ALEUTIAN IS.			
			H =033 KM MAG	4.40- CGS				
19	NP	eP	22 41 18.6	JZ	.4	2.1 (1)	31.0	5.37
19	RK	eP	22 43 20.5	Z	0.7	2.5 (0)	46.0	4.29
		e	22 43 25	Z	0.6	8.5 (0)		
19	LC	eP	22 43 50.5	Z	0.6	3.1 (0)	50.0	4.42
		e	22 44 02	Z	0.6	1.3 (1)		
19	MV	eL	22 52 15	LR	21	9.3 (1)	36.0	
						AVG.		4.69
20			00 23 50.2	08.6 S 160.4 E	SOLOMON ISLANDS			
			H =069 KM MAG	5.50- CGS				
20			04 09 15.1	45.0 N 147.4 E	KURILE ISLANDS			
			H =050 KM MAG	5.10- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	04 20 12.5		06.9 S 129.5 E BANDA SEA H =058 KM MAG 4.40- CGS					
20	04 52 32.6		14.8 S 173.4 W SAMOA ISLANDS REGION H =033 KM MAG 4.90- CGS					
20	LC	eP	05 04 37.8	Z	0.6	3.9 (0)	79.0	4.55
		e	05 04 51	Z	0.9	1.9 (1)		
20	HW	eP	07 07 07.2	Z	0.4	5.8 (1)		
20	08 57 17.8		07.0 S 129.3 E BANDA SEA H =103 KM MAG 5.50- CGS					
20	HW	eP	09 09 11.2	Z	1.0	1.6 (2)	78.0	5.81
20	LC	ePi	09 16 03.0	Z	0.9	1.7 (1)	122.0	
		ePKKP	09 25 58	Z	1.0	1.2 (1)		
20	RK	ePi	09 16 04.0	Z	0.6	1.6 (1)	124.0	
20	10 48 04.2		05.2 S 80.8 W NEAR COAST NORTHERN PERU H =055 KM MAG 5.20- CGS					
20	LC	eP	10 56 14.7	Z	1.0	3.4 (1)	45.0	5.13
		eLR	11 12 05	LZ	22	3.5 (2)		
20	RK	eP	10 57 45.0	Z	0.8	6.8 (1)	57.0	5.73
20	NP	iP	11 00 32.0c	JZ	.7	4.1 (1)	84.0	5.61
20	LV	eL	11 07 50	LZ	30	5.2 (2)	39.0	
							AVG.	5.49
20	13 00 50.7		44.9 N 111.7 W HEBGEN LAKE, MONTANA AREA H =033 KM MAG 4.30- CGS					
20	MV	eP	13 03 36.5	Z	0.5	0.5 (0)	9.0	4.05
		eL	13 06 20	LZ	14	8.3 (2)		
20	RK	eP	13 03 56.3	Z	0.5	3.4 (0)	13.0	4.61
		eL	13 07 50	T	0.7	5.0 (1)		
		eL	13 08 55	LR	15	8.2 (2)		
20	LC	eP	13 04 05.3	Z	0.7	3.1 (0)	13.0	4.42
		e	13 05 10	Z	0.7	1.5 (0)		
		eL	13 07 49	T	1.0	5.8 (0)		
							AVG.	4.36

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	15 49 44.9		12.8 S 66.0 E INDIAN OCEAN H =033 KM MAG 5.60- CGS					
20	LC	eP i 1	16 10 20.0	Z	1.5	2.6 (1)	159.0	
		eLR	16 48 15	LZ	38	4.2 (2)		
20	MV	eL	16 42 13	LZ	22	1.7 (2)	153.0	
20	LV	eL	16 50 00	LZ	20	2.3 (2)	152.0	
20	LC	eP	15 54 07.0	Z	0.6	1.3 (0)		
20	16 24 05.1		12.7 S 66.3 E INDIAN OCEAN H =033 KM					
20	LC	eP i 1	16 44 41.0	Z	1.5	1.8 (1)	159.0	
20	16 46 14.4		12.6 S 66.4 E INDIAN OCEAN H =033 KM MAG 4.90- CGS					
20	LC	eP i 1	17 06 48.0	Z	1.3	1.2 (1)	159.0	
20	RK	eP	17 13 02.0	Z	0.2	1.7 (0)	2.1	
		eS	17 13 30	R	0.2	9.0 (0)		
20	17 29 48.7		51.8 N 177.7 W ANDREANOF ALEUTIAN ISLANDS H =033 KM MAG 4.40- CGS					
20	RK	eP	17 39 54.2	Z	0.6	7.0 (0)		
20	RK	eP	19 06 42.3	Z	0.7	6.4 (0)		
20	LC	eP	20 30 11.0	Z	0.2	1.4 (1)	1.4	
		eS	20 30 29	T	0.2	8.2 (0)		
20	21 11 52.8		20.3 S 174.8 W TONGA ISLANDS H =033 KM MAG 4.10- CGS					
20	MV	eP	21 45 52.6	Z	0.5	0.5 (0)		
20	RK	eP	21 46 32.5	Z	0.2	0.8 (0)	2.4	
		eS	21 47 04	R	0.3	2.2 (1)		
20	21 48 46.7		31.6 N 141.8 E SOUTH OF HONSHU, JAPAN H =033 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	22 28 31.2		13.2 N 88.0 W NEAR COAST OF EL SALVADOR					
			H =064 KM MAG 4.30- CGS					
20	MV	eP	23 41 05.5	Z	0.6	0.6 (0)		
21	LC	eP	00 21 19.5	Z	1.0	3.1 (0)		
21	00 29 30.*		07.3 S 155.1 E SOLOMON ISLANDS					
			H =133 KM MAG 4.30- CGS					
21	MV	eP	01 39 15.3	Z	0.3	99.9 (9)		
21	MV	e	01 39 52	Z	0.3	3.7 (1)		
21	03 02 23.*		39.3 N 114.3 W EASTERN NEVADA					
			H =033 KM MAG 3.30- CGS					
21	04 13 12.7		18.0 S 178.3 W FIJI ISLANDS					
			H =595 KM MAG 4.30- CGS					
21	04 50 39.7		33.8 N 51.5 E KASHAN					
			H =051 KM MAG 4.50- CGS					
21	NP	eP	07 15 49.9	JZ	1.3	5.0 (1)		
21	HW	eL	07 35 55	LZ	31	5.4 (2)		
21	MV	eL	07 49 30	LZ	25	1.9 (2)		
21	LC	eL	07 50 30	LZ	25	2.4 (2)		
21	08 34 36.7		07.1 S 129.2 E BANDA SEA					
			H =143 KM MAG 4.40- CGS					
21	LC	eL	09 33 45	LZ	24	2.2 (2)	123.0	
21	12 34 22.7		21.2 S 175.8 W TONGA ISLANDS					
			H =090 KM MAG 5.10- CGS					
21	HW	eP	12 42 32.9	Z	0.8	2.5 (1)	45.0	5.02
21	MV	eP	12 46 16.8	Z	1.1	3.1 (1)	79.0	5.07
		eS	12 56 10	LR	25	3.3 (2)		
		eL	13 10 00	LZ	40	1.1 (3)		
21	LC	eP	12 46 49.8	Z	1.0	9.0 (1)	85.0	5.69
		e	12 47 20	LZ	18	2.8 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	12 57 08	LT	20	6.1 (2)		
21	LV	eL	13 18 52	LZ	40	5.5 (2)	96.0	
						AVG.		5.26
21	13 09 09.6		16.1 N 119.7 E NEAR W. COAST LUZON, P. I.					
			H =049 KM MAG 5.60- CGS					
21	HW	eP	13 21 16.5	Z	0.7	1.2 (2)	80.0	5.90
		eL	13 45 50	LZ	29	1.7 (3)		
21	MV	eP	13 22 55.0	Z	0.9	2.3 (0)	101.0	4.77
		eSKS	13 33 35	LR	20	2.6 (2)		
		eSS	13 41 30	LR	42	8.4 (2)		
		eLQ	13 51 15	LT	26	1.1 (3)		
		eLR	13 55 40	LZ	42	3.6 (3)		
21	LC	ePP	13 28 49	LZ	20	2.9 (2)	115.0	
		ePS	13 38 11	LR	24	1.2 (3)		
		ePKKP	13 38 35	Z	1.0	3.6 (0)		
		eSS	13 45 04	LR	31	7.4 (2)		
		eSSS	13 48 29	LT	22	5.5 (2)		
		eLQ	13 57 20	LT	35	1.7 (3)		
		eLR	14 02 40	LZ	26	6.0 (2)		
21	LV	ePP	13 29 47	LZ	22	4.0 (2)	123.0	
		e	13 39 05	LZ	25	1.8 (2)		
		e	13 41 00	LZ	30	5.9 (2)		
		e	13 52 08	LZ	26	6.0 (2)		
		e	13 55 55	LZ	30	4.3 (2)		
		eL	14 09 15	LZ	35	1.0 (3)		
						AVG.		5.33
21	16 10 21.*		45.7 N 151.1 E KURILE ISLANDS					
			H =040 KM MAG 4.20- CGS					
21	16 23 17.9		32.5 N 141.0 E SOUTH OF HONSHU, JAPAN					
			H =033 KM MAG 4.30- CGS					
21	HW	eL	16 50 09	LZ	23	2.6 (2)	48.0	
21	LC	eP	17 26 06.5	Z	0.5	0.9 (0)		
21	LC	eL	17 28 16	R	0.9	3.6 (0)		
21	LC	eP	18 36 38.9	Z	0.8	1.5 (0)		
21	22 04 09.*		23.4 S 178.8 W TONGA ISLANDS REGION					
			H =112 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22			14.3 N 93.0 W OFF COAST CHIAPAS, MEXICO					
			H =033 KM MAG 4.40- CGS					
22	LC	eP	01 25 01.1	Z	1.1	1.1 (1)	22.0	4.17
		e	01 25 04	Z	0.9	1.9 (1)		
		eL	01 29 05	LZ	40	3.3 (2)		
22	LV	eL	01 28 17	LZ	40	9.2 (2)	18.0	
22	NP	eP	01 30 40.4	JZ	.8	4.2 (1)	63.0	5.56
							AVG.	4.86
22			01 31 35.7 27.9 S 67.2 W CATAMARCA PROV., ARGENTINA					
			H =168 KM MAG 4.10- CGS					
22			02 50 29.8 44.4 N 114.6 W IDAHO					
			H =033 KM MAG 4.40- CGS					
22			02 54 08.3 48.6 N 119.9 W NORTHERN WASHINGTON					
			H =033 KM MAG 4.40- CGS					
22			03 56 16.* 32.3 S 69.2 W MENDOZA PROV., ARGENTINA					
			H =033 KM MAG 4.30- CGS					
22			05 56 29.5 35.1 S 67.9 W MENDOZA PROV., ARGENTINA					
			H =033 KM MAG 4.70- CGS					
22	LC	eP	06 08 17.3	Z	1.0	3.6 (0)	76.0	4.37
22			11 57 27.4 06.1 S 146.9 E NORTH EAST NEW GUINEA					
			H =102 KM MAG 5.40- CGS					
22			13 35 38.2 34.9 S 173.9 E NORTH ISLAND, NEW ZEALAND					
			H =082 KM					
22			16 43 13.0 39.2 N 114.3 W EASTERN NEVADA					
			H =033 KM MAG 3.30- CGS					
22	LC	eP	17 42 12.1	Z	0.3	0.9 (0)	2.5	
		eS	17 42 49	T	0.4	6.7 (0)		
22			18 00 32.* 44.6 N 149.4 E KURILE ISLANDS					
			H =065 KM MAG 4.40- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	LC	eP	18 07 39.2	Z	0.3	8.2 (0)	1.4	
		eS	18 07 58	T	0.3	8.7 (0)		
22	LC	eL	19 25 00	LZ	26	1.6 (2)		
22			20 10 30.* 45.3 N 151.2 E KURILE ISLANDS					
			H =045 KM MAG 4.10- CGS					
22			23 13 55.2 06.9 N 73.0 W COLOMBIA					
			H =153 KM MAG 5.20- CGS					
22	LC	eP	23 21 09.4	Z	0.7	2.3 (1)	40.0	4.97
		e	23 26 55	Z	1.1	1.5 (1)		
22	MV	eP	23 23 04.5	Z	0.6	5.6 (0)	54.0	4.56
22	NP	eP	23 25 13.9	JZ	.9	1.4 (2)	74.0	5.76
							AVG.	5.09
23			00 15 01.4 44.4 N 114.8 W CENTRAL IDAHO					
			H =033 KM MAG 5.10- CGS					
23	MV	eP	00 16 49.2	Z	0.9	2.2 (0)	7.0	4.04
		e	00 17 06	Z	1.0	8.8 (0)		
		eL	00 18 41	T	1.2	1.8 (1)		
23			00 28 59.* 44.2 N 114.4 W CENTRAL IDAHO					
			H =033 KM MAG 3.80- CGS					
23	MV	eP	07 25 24.0	Z	0.3	6.6 (0)	1.0	
		eS	07 25 39	T	0.3	1.9 (1)		
23	MV	eP	09 06 15.5	Z	0.6	4.3 (0)		
23	LC	eL	09 16 54	LZ	21	1.6 (2)		
23	LV	eP	12 50 24.1	Z	0.8	5.0 (1)		
23			13 42 23.3 43.8 N 150.5 E KURILE ISLANDS					
			H =033 KM MAG 4.80- CGS					
23	NP	eP	13 51 01.4	JZ	1.2	1.3 (1)	48.0	4.85
23			16 24 46.2 24.5 N 121.8 E NEAR EAST COAST OF TAIWAN					
			H =130 KM MAG 4.70- CGS					
23			17 58 40.8 25.8 S 177.8 W TONGA ISLANDS REGION					
			H =140 KM MAG 4.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	LC	eP	18 11 20.7	Z	1.0	8.6 (0)	89.0	4.76
		epP	18 11 57	Z	1.3	1.2 (1)		
23	18 39 46.6		44.1 N 149.4 E KURILE ISLANDS					
			H =065 KM MAG	4.80-	CGS			
23	NP	eP	18 48 19.2	JZ	999.9	99.9 (9)	48.0	
23	LC	eP	18 51 35.3	Z	0.9	2.8 (0)	77.0	4.21
23	HW	eL	19 06 40	LZ	19	3.4 (2)	51.0	
							AVG.	4.57
23	LC	eP	20 09 16.3	Z	0.3	1.3 (1)	1.3	
		eS	20 09 34	T	0.4	4.6 (0)		
23	22 34 22.1		12.3 N 72.8 W OFF NORTH COAST COLOMBIA					
			H =033 KM MAG	4.50-	CGS			
23	LC	eP	22 41 29.5	Z	0.9	9.6 (0)	37.0	4.59
23	NP	eP	22 45 23.1	JZ	.6	8.5 (0)	69.0	5.02
23	LV	eL	22 51 16	LZ	17	3.1 (2)	26.0	
							AVG.	4.80
24	01 14 06.*		46.4 N 152.2 E KURILE ISLANDS					
			H =040 KM MAG	4.30-	CGS			
24	02 26 01.4		45.2 N 151.4 E KURILE ISLANDS					
			H =050 KM MAG	4.50-	CGS			
24	NP	eP	02 34 23.5	JZ	.5	2.2 (0)	46.0	4.34
24	MV	eP	02 36 31.0	Z	1.1	8.0 (0)	62.0	4.76
							AVG.	4.55
24	02 40 42.6		06.6 S 85.1 W WEST OF PERU					
			H =033 KM MAG	4.30-	CGS			
24	02 42 31.*		45.1 N 151.2 E KURILE ISLANDS					
			H =045 KM MAG	4.30-	CGS			
24	LV	eL	03 16 45	LZ	14	3.4 (2)	84.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	03 00 57.3		45.4 N 151.3 E KURILE ISLANDS					
			H =050 KM MAG	4.90-	CGS			
24	MV	eP	03 11 12.9	Z	0.8	2.9 (0)	62.0	4.46
24	NP	eP	03 19 09.4	JZ	.5	7.2 (0)		
24	03 27 23.9		45.5 N 151.5 E KURILE ISLANDS					
			H =045 KM MAG	4.80-	CGS			
24	NP	eP	03 35 45.5	JZ	.5	7.2 (0)	46.0	4.87
24	MV	eP	03 37 45.0	Z	1.3	9.4 (0)	62.0	4.77
		e	03 37 53	Z	0.8	1.2 (1)		
							AVG.	4.82
24	09 07 59.0		05.0 S 155.1 E SOLOMON ISLANDS					
			H =197 KM MAG	4.50-	CGS			
24	10 38 23.3		55.9 N 161.0 E NEAR EAST COAST KAMCHATKA					
			H =110 KM MAG	4.50-	CGS			
24	11 18 15.2		13.1 S 166.7 E SANTA CRUZ ISLANDS REGION					
			H =061 KM MAG	5.50-	CGS			
24	HW	eP	11 27 05.5	Z	0.9	6.3 (1)	49.0	5.59
		eL	11 40 47	LR	24	2.5 (3)		
24	MV	eP	11 30 43.8	Z	0.9	7.3 (0)	85.0	4.73
		ePS	11 42 23	LR	18	4.1 (2)		
		eL	11 56 50	LZ	26	1.0 (3)		
24	LC	eL	12 01 12	LZ	40	1.4 (3)	94.0	
24	LV	eL	12 07 37	LZ	28	3.7 (2)	106.0	
							AVG.	5.16
24	12 55 46.4		36.2 N 139.7 E HONSHU, JAPAN					
			H =070 KM MAG	4.80-	CGS			
24	NP	eP	13 05 30.8	JZ	.6	8.5 (0)	58.0	4.95
24	14 24 59.6		10.0 N 126.1 E SIARGAO, PHILIPPINE IS.					
			H =033 KM MAG	5.70-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	NP	eP	14 37 36.2	JZ	.8	9.4 (0)	86.0	4.90
24			14 51 11.9	39.6 N 110.4 W	CENTRAL UTAH			
			H =033 KM MAG	4.10-	CGS			
24			17 54 19.8	44.8 N 111.2 W	HEBGEN LAKE, MONTANA			
			H =033 KM MAG	4.70-	CGS			
24	NP	eP	18 30 58.9	JZ	.3	4.1 (0)		
24			18 37 06.*	06.9 S 147.4 E	EASTERN NEW GUINEA			
			H =049 KM					
24			19 01 11.7	06.6 S 146.8 E	NORTH EAST NEW GUINEA			
			H =053 KM					
24			21 05 54.6	53.0 S 159.5 E	MACQUARIE ISLAND REGION			
			H =033 KM MAG	5.80-	CGS			
24	NP	eP	21 25 06.0	JZ	.7	3.3 (0)	139.0	
24	LC	eSP	21 35 41	LZ	17	2.6 (2)	117.0	
		eL	22 00 22	LZ	28	4.2 (2)		
24	MV	eL	21 59 09	LZ	18	1.3 (2)	114.0	
24			23 55 59.9	31.1 N 142.5 E	SOUTH OF HONSHU, JAPAN			
			H =033 KM MAG	4.20-	CGS			
25			00 44 01.9	52.3 N 158.7 E	NEAR EAST CST. KAMCHATKA			
			H =080 KM MAG	4.70-	CGS			
25	NP	eP	00 51 13.7	JZ	.5	5.2 (0)	38.0	4.68
25	LC	eP	00 54 53.4	Z	0.7	4.3 (0)	68.0	4.47
							AVG.	4.57
25			02 59 05.*	07.0 S 129.8 E	BANDA SEA			
			H =212 KM MAG	4.30-	CGS			
25			05 20 21.0	17.7 S 178.6 W	FIJI ISLANDS REGION			
			H =523 KM MAG	3.40-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	LC	eP	05 32 01.7	Z	1.0	2.4 (0)	85.0	3.79
25			05 59 39.5	47.2 N 149.0 E	SEA OF OKHOTSK			
			H =290 KM MAG	4.20-	CGS			
25			09 00 02.7	52.0 N 172.1 W	ANDREANOF ALEUTIAN IS.			
			H =045 KM MAG	4.70-	CGS			
25	NP	eP	09 06 20.2	JZ	.5	2.2 (0)	31.0	4.25
25	MV	eP	09 07 10.4	Z	0.8	3.6 (0)	37.0	4.25
25	LC	eP	09 08 58.3	Z	0.7	1.8 (0)	51.0	4.17
25	LV	eP	09 10 03.9	Z	1.0	1.6 (1)	60.0	5.06
25	DH	eP	09 10 18.3	Z	0.8	4.1 (1)	62.0	5.62
							AVG.	4.67
25			09 20 33.3	19.0 S 173.2 W	TONGA ISLANDS			
			H =033 KM MAG	4.80-	CGS			
25	LC	eP	09 32 50.0	Z	1.2	7.9 (0)	82.0	4.62
26	LV	eLR	10 13 35	LZ	13	2.3 (2)	93.0	
25	HW	eP	14 20 17.9	Z	0.2	1.8 (1)	0.9	
		eS	14 20 30	R	0.2	2.3 (2)		
25			16 14 08.4	37.2 N 102.0 E	TSINGHAI PROVINCE, CHINA			
			H =033 KM MAG	4.60-	CGS			
25	NP	eP	17 07 17.8	JZ	.4	5.1 (0)		
25	HW	eP	17 46 37.8	Z	0.2	1.8 (1)	0.1	
		eS	17 46 41	R	0.2	1.7 (2)		
25			20 04 10.7	44.2 N 114.6 W	IDAHO			
			H =033 KM MAG	3.70-	CGS			
25			20 18 16.5	18.9 S 173.4 W	TONGA ISLANDS			
			H =033 KM MAG	4.60-	CGS			
25	LC	eP	20 30 33.4	Z	1.1	4.7 (0)	82.0	4.43
25			23 02 52.*	19.0 N 108.4 W	OFF COAST JALISCO, MEXICO			
			H =033 KM MAG	3.70-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	23 55 15.2		39.1 N 114.2 W EASTERN NEVADA H =033 KM MAG 3.60- CGS					
25	MV	ePD	23 56 58.0	Z	0.3	0.7 (0)	5.5	3.66
		eL	23 58 05	T	0.6	2.0 (0)		
26	01 30 52.*		05.1 S 102.3 E NEAR S. COAST OF SUMATRA H =040 KM MAG 5.60- CGS					
26	MV	ePD	01 49 55.0	Z	1.0	9.8 (0)	128.0	
		eL	02 34 05	LZ	21	2.1 (2)		
26	LC	eLR	02 57 57	LZ	19	1.0 (2)	142.0	
26	LV	eL	03 00 00	LZ	23	1.5 (2)	150.0	
26	03 58 51.6		39.2 N 114.2 W EASTERN NEVADA H =033 KM MAG 3.50- CGS					
26	05 35 15.*		05.1 S 129.3 E BANDA SEA H =175 KM MAG 4.60- CGS					
26	07 58 22.4		76.5 N 22.4 E SVALBARD REGION H =033 KM MAG 5.10- CGS					
26	NP	eP	08 03 52.1	JZ	.4	3.8 (0)	26.0	4.35
26	08 09 09.*		46.6 N 152.2 E KURILE ISLANDS H =050 KM MAG 4.50- CGS					
26	08 48 52.1		69.3 N 16.5 W 300 KM. NORTH OF ICELAND H =033 KM MAG 4.50- CGS					
26	NP	eP	08 54 40.4	JZ	1.4	2.4 (1)	27.0	4.68
		eL	09 02 10	LZ	35	8.2 (4)		
26	10 46 26.9		43.6 N 148.3 E KURILE ISLANDS H =033 KM MAG 4.40- CGS					
26	14 40 06.6		39.8 N 110.3 W CENTRAL UTAH H =033 KM MAG 3.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	16 23 54.2		01.4 N 126.7 E MOLUCCA SEA H =140 KM MAG 4.80- CGS					
26	NP	eP	16 37 06.9	JZ	1.3	1.9 (1)	94.0	5.26
26	LC	ePi	16 42 39.0	Z	0.9	4.8 (0)	120.0	
26	MV	eLR	17 13 09	LZ	28	3.1 (2)	106.0	
26	DH	eP	16 25 48.2	Z	0.3	1.1 (1)	1.7	
		eS	16 26 11	T	0.4	1.8 (1)		
26	DH	eP	18 23 03.8	Z	0.2	4.8 (0)	4.3	
		eS	18 23 56	T	0.3	1.9 (1)		
26	MV	eP	18 25 19.0	Z	0.2	2.8 (0)	1.8	
		eS	18 25 43	T	0.3	3.0 (0)		
26	DH	eP	20 17 37.7	Z	0.2	4.8 (0)	1.9	
		eS	20 18 03	T	0.3	3.9 (1)		
26	LC	eP	20 21 56.8	Z	0.3	1.3 (1)	1.5	
		eS	20 22 17	R	0.4	1.9 (1)		
26	20 50 21.2		36.4 N 71.3 E HINDU KUSH H =140 KM MAG 4.90- CGS					
26	NP	eP	21 01 03.0	JZ	.9	2.9 (1)	67.0	5.14
26	21 11 11.9		51.2 N 169.8 W FOX ALEUTIAN ISLANDS H =033 KM MAG 4.30- CGS					
26	NP	eP	21 17 35.7	JZ	.4	8.6 (0)	32.0	4.97
26	LC	eP	21 19 58.2	Z	1.0	4.9 (0)	49.0	4.46
							AVG.	4.71
26	MV	eP	21 20 34.4	Z	0.7	3.0 (0)		
26	MV	e	21 20 44	Z	0.7	3.0 (0)		
26	DH	eP	22 04 53.4	Z	0.2	4.8 (0)	1.7	
		eS	22 05 17	T	0.3	2.7 (1)		
26	HW	eP	22 11 33.8	Z	0.2	3.8 (1)	0.6	
		eS	22 11 42	R	0.3	6.1 (1)		
26	23 21 33.2		86.1 N 73.2 E ARCTIC OCEAN H =033 KM MAG 4.30- CGS					
27	00 09 59.5		13.4 S 72.7 W SOUTHERN PERU H =042 KM MAG 4.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	LC	eP	01 25 10.5	Z	0.8	3.1 (0)		
27	HW	eP	01 39 36.2	Z	0.2	2.6 (2)	0.1	
		eS	01 39 42	R	0.3	99.9 (9)		
		eL	01 39 43	LZ	30	1.5 (3)		
27	02 36 22.3		45.7 N 123.3 W NORTHWEST OREGON					
			H =037 KM MAG 4.50- CGS					
27	MV	eP	02 37 58.5	Z	0.7	4.3 (0)	6.6	4.17
		e	02 38 05	Z	0.6	1.4 (1)		
		eL	02 39 45	Z	2.0	19.5 (4)		
27	LC	eP	02 40 40.6	Z	0.7	1.2 (0)	19.0	3.30
							AVG.	3.73
27	LC	eP	03 14 18.2	Z	1.0	5.0 (0)		
27	03 57 10.*		14.5 N 90.7 W GUATEMALA					
			H =033 KM MAG 3.90- CGS					
27	05 21 38.*		15.1 S 175.2 W TONGA ISLANDS					
			H =033 KM MAG 4.50- CGS					
27	LC	eP	05 33 51.9	Z	1.1	1.3 (1)	81.0	4.80
		eL	05 58 55	LZ	22	6.0 (2)		
27	HW	eL	05 39 35	LZ	22	6.5 (2)	40.0	
27	05 33 08.0		06.4 S 105.2 E SUNDA STRAIT					
			H =033 KM MAG 4.90- CGS					
27	NP	eP	06 20 59.6	JZ	.5	2.0 (0)		
27	NP	eP	06 41 40.2	JZ	999.9	99.9 (9)		
27	NP	eP	07 40 21.2	JZ	999.9	99.9 (9)		
27	09 45 47.6		08.3 S 156.5 E SOLOMON ISLANDS					
			H =033 KM MAG 4.50- CGS					
27	NP	eP	09 47 05.0	JZ	.7	1.0 (1)		
27	10 01 15.2		05.8 S 105.5 E FLORES SEA					
			H =052 KM MAG 5.00- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	NP	eP	11 48 51.0	JZ	.7	3.8 (0)		
27	12 48 45.6		45.9 N 151.0 E KURILE ISLANDS					
			H =033 KM MAG 4.10- CGS					
27	23 46 48.*		06.7 N 83.9 W SOUTH OF COSTA RICA					
			H =033 KM MAG 4.10- CGS					
28	01 44 05.0		36.6 N 70.2 E HINDU KUSH					
			H =205 KM MAG 5.00- CGS					
28	NP	eP	01 54 38.0	JZ	1	5.8 (1)	67.0	5.27
28	04 35 07.8		20.2 S 177.9 W FIJI ISLANDS REGION					
			H =507 KM MAG 4.40- CGS					
28	MV	eP	04 46 21.5	Z	0.8	2.1 (0)	79.0	3.62
28	LC	eP	04 46 56.7	Z	1.0	6.3 (0)	86.0	4.21
							AVG.	3.91
28	05 45 20.2		05.1 S 153.5 E NEW IRELAND REGION					
			H =070 KM MAG 5.50- CGS					
28	HW	eP	05 54 52.0	Z	0.8	5.1 (1)	56.0	5.61
		eP	05 54 52	LZ	15	8.8 (2)		
		eS	06 02 38	LR	15	3.3 (3)		
		eLQ	06 08 43	LT	16	3.1 (3)		
		eLR	06 10 17	LZ	29	7.2 (3)		
		eL	06 12 38	LR	24	6.3 (3)		
		eL	06 12 38	LT	24	2.0 (3)		
		eL	06 12 38	LZ	25	5.3 (3)		
28	MV	eP	05 58 13.8	Z	0.9	2.6 (0)	89.0	4.40
		eP	05 58 14	LZ	16	4.0 (2)		
		e	05 58 36	Z	0.7	4.2 (0)		
		ePP	06 01 45	Z	1.0	6.8 (0)		
		ePP	06 01 50	LZ	19	2.6 (2)		
		eSKS	06 08 23	LR	24	4.8 (2)		
		eSP	06 09 55	LZ	23	8.0 (2)		
		eSS	06 15 00	LT	22	7.6 (2)		
		eLQ	06 22 00	LT	29	1.8 (3)		
		eLR	06 25 45	LZ	30	7.2 (3)		
		eL	06 27 50	LT	25	3.6 (3)		
		eL	06 27 50	LR	25	3.2 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	06 27 50	LZ	25	6.0 (3)		
28	NP	eP	05 58 30.5	JZ	.9	9.2 (0)	94.0	5.18
28	LC	eP	05 59 07.7	Z	1.0	2.5 (0)	101.0	4.77
		ePKKP	06 15 11	Z	0.5	0.4 (0)		
28	LV	eSP	06 14 15	LZ	24	9.2 (2)	114.0	
		eLR	06 37 48	LZ	35	5.5 (3)		
28	DH	eSS	06 22 35	LT	34	9.5 (2)	123.0	
		eLQ	06 38 20	LT	40	1.6 (3)		
		eLR	06 43 30	LZ	32	2.2 (3)		
		eL	06 48 35	LR	26	4.1 (3)		
		eL	06 48 35	LT	28	8.6 (2)		
		eL	06 48 35	LZ	26	5.1 (3)		
							AVG.	4.99

28 06 57 09.9 14.4 N 92.3 W NEAR COAST OF GUATEMALA
H =033 KM MAG 4.50= CGS

28	LV	eP	07 01 20.0	Z	0.6	7.2 (0)	18.0	4.02
28	LC	eP	07 02 05.2	Z	1.0	1.1 (1)	22.0	4.22
		e	07 02 13	Z	1.1	2.9 (1)		
28	NP	eP	07 07 38.0	JZ	1.5	5.3 (1)	63.0	5.39
28	MV	eL	07 14 40	LT	30	1.1 (3)	36.0	
							AVG.	4.54

28 08 22 19.3 44.8 N 110.9 W YELLOWSTONE PARK, WYOMING
H =033 KM MAG 4.30= CGS

28 09 03 52.9 32.7 S 178.9 W KERMADEC ISLANDS
H =033 KM

28	HW	eP	09 13 38.3	Z	0.9	2.9 (2)	57.0	6.31
		e	09 14 00	Z	0.8	3.1 (2)		
		eS	09 21 29	LT	24	2.0 (3)		
		eLQ	09 27 22	LT	28	3.6 (3)		
		eLR	09 29 40	LZ	28	2.2 (3)		
28	MV	eP	09 16 46.5	Z	1.1	1.4 (2)	89.0	6.10
		e	09 17 10	Z	1.2	5.4 (1)		
		eSKS	09 27 12	LR	23	1.3 (3)		
		eSS	09 33 55	LR	24	6.3 (2)		
		eLQ	09 40 50	LR	24	1.6 (3)		
		eLR	09 44 24	LZ	25	2.3 (3)		
		eL	09 45 44	LT	25	1.7 (3)		
		eL	09 45 44	LR	25	2.7 (2)		
		eL	09 45 44	LZ	25	2.3 (3)		
28	LC	eP	09 17 09.3	Z	1.2	2.6 (1)	94.0	5.48
		ePP	09 20 55	Z	1.3	1.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	NP	iP	09 22 28.0D	JZ	1.1	8.0 (1)	115.0	
28	LV	e	09 22 55	LZ	12	8.6 (2)	104.0	
		e	09 31 57	LZ	15	6.5 (2)		
		eLR	09 52 08	LZ	32	2.0 (3)		
28	DH	eSS	09 40 56	LT	22	9.0 (2)	121.0	
		eLR	10 01 49	LZ	26	1.3 (3)		
		eL	10 04 22	LR	25	1.6 (3)		
		eL	10 04 22	LZ	26	1.8 (3)		
							AVG.	5.96

28	LC	eP	10 26 22.5	Z	0.8	1.5 (0)		
28	LV	eLR	11 05 10	LZ	32	4.0 (2)		

28 12 44 51.* 18.1 N 106.3 W OFF COAST JALISCO, MEXICO
H =033 KM MAG 3.90= CGS

28	LC	eP	12 48 13.2	Z	1.2	5.7 (0)	14.0	4.08

28 14 26 19.6 39.2 N 114.2 W EASTERN NEVADA
H =033 KM MAG 3.50= CGS

28	LC	eP	14 28 44.5	Z	0.7	1.2 (0)	9.0	4.26
28	MV	eP	14 28 47.9	Z	0.3	1.2 (0)	1.7	
		eS	14 29 11	R	0.4	1.8 (0)		

28 15 19 58.* 39.0 N 114.0 W EASTERN NEVADA
H =033 KM

28 16 48 37.* 18.4 N 106.0 W OFF COAST JALISCO, MEXICO
H =033 KM MAG 4.30= CGS

28	LC	eP	16 51 55.0	Z	1.1	1.7 (1)	14.0	4.59
28	MV	eP	16 53 56.5	Z	1.0	3.4 (0)	25.0	3.93
		eLQ	16 59 42	LR	33	5.6 (2)		
		eLR	17 01 18	LZ	25	3.8 (2)		
28	NP	eP	16 58 29.6	JZ	.7	99.9 (9)	58.0	
28	LV	eL	16 59 15	LZ	22	5.9 (2)	47.0	
28	HW	eL	17 09 58	LZ	15	1.7 (3)	36.0	
28	DH	eL	17 11 20				AVG.	4.26

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	LC	eP	16 50 23.0	Z	0.2	6.5 (0)	2.4	
		eS	16 50 54	T	0.2	1.0 (1)		
28	17 58 33.1		60.4 S 51.8 W	SOUTH SHETLAND IS. REGION				
			H =049 KM MAG	5.50-5.75 PAL				
28	NP	ePP1	18 17 56.0	JZ	.8	5.2 (0)	143.0	
		eL	19 13 37	LZ	25	6.7 (2)		
28	LV	eSP	18 25 35	LZ	20	3.6 (2)	98.0	
		eLR	18 45 52	LZ	30	9.3 (2)		
28	MV	ePS	18 27 53	LR	23	3.6 (2)	114.0	
		eSS	18 34 33	LR	25	6.4 (2)		
		eLR	18 53 24	LZ	28	1.0 (3)		
		eL	18 55 43	LT	22	8.0 (2)		
		eL	18 55 43	LR	23	2.2 (2)		
		eL	18 55 43	LZ	22	9.1 (2)		
28	HW	eLR	18 51 21	LZ	24	1.0 (3)	114.0	
28	LC	eP	18 17 04.2	Z	1.2	6.1 (0)		
28	19 17 24.*		18.5 N 105.8 W	OFF COAST JALISCO, MEXICO				
			H =033 KM MAG	3.90- CGS				
28	LC	eP	19 20 42.0	Z	1.3	5.0 (0)	14.0	3.99
28	HW	eP	21 15 08.1	Z	0.2	1.9 (1)	0.5	
		eS	21 15 16	R	0.3	3.1 (1)		
28	22 16 54.*		30.4 N 41.4 W	NORTH ATLANTIC OCEAN				
			H =033 KM MAG	4.30- CGS				
28	23 20 26.6		62.9 N 154.0 W	CENTRAL ALASKA				
			H =033 KM MAG	4.20- CGS				
28	23 55 07.7		53.0 S 118.4 W	SOUTH PACIFIC OCEAN				
			H =033 KM MAG	5.00- CGS				
29	MV	eSS	00 25 43	LT	22	2.4 (2)	92.0	
		eL	00 37 55	LZ	20	8.4 (2)		
29	LC	eL	00 37 30	LZ	28	8.2 (2)	86.0	
29	DH	eL	00 44 55	LZ	30	6.0 (2)	102.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	NP	eL	00 59 43	LZ	27	6.5 (2)	129.0	
29	01 42 13.7		39.1 N 114.2 W	EASTERN NEVADA				
			H =033 KM MAG	3.40- CGS				
29	02 31 39.*		18.4 N 106.1 W	OFF COAST JALISCO, MEXICO				
			H =033 KM MAG	3.80- CGS				
29	03 00 09.7		30.9 S 177.8 W	KERMADEC ISLANDS				
			H =033 KM MAG	4.40- CGS				
29	03 41 28.*		18.8 N 106.2 W	OFF COAST JALISCO, MEXICO				
			H =033 KM MAG	4.10- CGS				
29	LC	eP	03 44 42.5	Z	1.2	1.8 (1)	14.0	4.59
		eL	03 47 40	LZ	25	1.9 (3)		
29	LV	e	03 49 15	LZ	18	4.4 (2)	19.0	
		eL	03 50 55	LZ	36	1.0 (3)		
29	MV	eL	03 53 10	LR	24	3.8 (2)	24.0	
29	DH	eL	04 00 34	LT	16	7.8 (2)	35.0	
29	04 02 04.0		39.1 N 114.2 W	EASTERN NEVADA				
			H =033 KM					
29	MV	eP	04 03 24.4C	Z	0.3	1.3 (1)	5.5	4.93
		eL	04 03 35	R	0.5	6.4 (1)		
29	04 06 12.2		39.1 N 114.2 W	EASTERN NEVADA				
			H =033 KM MAG	3.40- CGS				
29	04 15 03.8		39.1 N 114.3 W	EASTERN NEVADA				
			H =033 KM MAG	4.00- CGS				
29	MV	eP	04 16 26.3	Z	0.3	1.8 (0)	5.4	4.07
		eL	04 17 57	R	0.6	1.0 (1)		
29	LC	eP	04 17 56.0	Z	1.2	2.0 (1)	9.0	5.24
		eL	04 19 54	T	1.4	1.6 (1)		
						AVG.		4.65
29	04 34 31.*		19.1 N 105.9 W	OFF CST. JALISCO, MEXICO				
			H =033 KM MAG	3.80- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC	eP	04 37 41.5	Z	1.2	8.2 (0)	13.0	4.61
		eL	04 42 35	LZ	24	1.5 (3)		
29	LV	e	04 42 25	LZ	22	3.0 (2)	18.0	
		eL	04 45 00	LZ	33	6.5 (2)		
29	MV	eL	04 46 33	LZ	26	6.0 (2)	24.0	
29	DH	eL	04 53 45	LT	16	5.6 (2)	35.0	
29	06 22 48.*		18.6 N 105.8 W	OFF CST JALISCO, MEXICO				
			H =033 KM MAG	4.40- CGS				
29	LC	eP	06 26 04.0	Z	1.2	2.2 (1)	14.0	4.68
		eL	06 29 57	LZ	18	2.2 (3)		
29	LV	eP	06 27 06	LZ	12	6.7 (2)	18.0	
		e	06 30 33	LZ	19	4.9 (2)		
		eL	06 32 20	LZ	34	1.0 (3)		
29	MV	eL	06 35 00	LZ	26	6.8 (2)	25.0	
29	DH	eLQ	06 42 05	LR	17	5.3 (2)	35.0	
		eLR	06 43 47	LZ	14	1.1 (3)		
29	06 38 58.2		39.1 N 114.2 W	EASTERN NEVADA				
			H =033 KM MAG	3.70- CGS				
29	07 48 23.2		77.9 N 21.5 E	BARENTS SEA				
			H =033 KM MAG	4.20- CGS				
29	08 36 58.8		20.6 S 169.8 E	NEW HEBRIDES ISLANDS				
			H =065 KM MAG	4.80- CGS				
29	12 03 19.*		06.5 S 106.7 E	WESTERN JAVA				
			H =033 KM MAG	4.90- CGS				
29	12 52 02.2		04.1 S 151.9 E	NEW BRITAIN				
			H =119 KM MAG	4.90- CGS				
29	NP	eP	13 04 27.4	JZ	.6	2.2 (0)		
29	15 00 24.0		20.7 S 178.4 W	FIJI ISLANDS REGION				
			H =534 KM MAG	4.80- CGS				
29	MV	eP	15 11 38.7	Z	0.8	9.3 (0)	80.0	4.27
29	LC	eP	15 12 12.3	Z	1.3	2.0 (1)	87.0	4.69

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.48
29	17 15 39.2		18.5 S 69.7 W	NORTHERN CHILE				
			H =113 KM MAG	5.50- CGS				
29	LV	eP	17 24 58.1	Z	1.3	1.0 (2)	55.0	5.64
		eP	17 25 00	LZ	10	7.9 (2)		
		eL	17 42 40	LZ	31	6.5 (2)		
29	DH	eP	17 25 39.2	Z	0.7	3.8 (1)	61.0	5.50
		eS	17 33 46	LR	20	7.1 (2)		
		eL	17 40 10	LR	24	4.1 (2)		
29	LC	eP	17 25 52.0	Z	1.4	9.2 (1)	62.0	5.58
		e	17 33 10	LT	20	4.7 (2)		
		eLQ	17 42 07	LT	29	1.1 (3)		
		eLR	17 48 00	LZ	40	9.8 (2)		
29	MV	eP	17 27 10.3	Z	1.3	3.6 (1)	75.0	5.04
		eP	17 27 12	LZ	16	2.7 (2)		
		eS	17 36 44	LT	17	4.8 (2)		
		ePS	17 37 33	LT	23	5.6 (2)		
		eL	17 46 48	LZ	22	1.4 (2)		
29	NP	eP	17 29 08.6	JZ	.7	3.8 (0)	99.0	5.11
							AVG.	5.37
29	LC	eP	21 19 55.4	Z	0.4	1.8 (0)	3.4	
		eS	21 20 27	T	0.5	5.2 (0)		
29	NP	eP	23 18 47.1C	JZ	1	6.9 (1)		
30	00 58 13.3		03.4 S 128.8 E	BANDA SEA				
			H =082 KM MAG	5.00- CGS				
30	01 15 24.5		21.6 N 144.5 E	MARIANA ISLANDS REGION				
			H =120 KM MAG	5.20- CGS				
30	NP	eP	01 26 27.7	JZ	.5	1.1 (1)	71.0	4.93
30	MV	eP	01 27 20.7	Z	0.6	1.7 (1)	80.0	5.04
		eP	01 27 26	LZ	18	1.5 (2)		
		eS	01 37 20	LR	17	3.2 (2)		
		eLR	01 51 30	LZ	34	1.1 (3)		
30	LC	eP	01 28 29.6	Z	0.8	2.2 (1)	93.0	5.50
		epP	01 29 00	Z	1.0	8.9 (0)		
		eL	01 58 46	LZ	31	3.9 (2)		
30	LV	eLR	02 04 45	LZ	34	8.0 (2)	104.0	
							AVG.	5.15
30	03 12 52.*		19.9 S 177.8 W	FIJI ISLANDS REGION				
			H =522 KM MAG	4.20- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30			03 28 53.1			44.4 N 110.3 W	YELLOWSTONE PARK, WYOMING	
			H =033 KM MAG			4.00- CGS		
30			03 57 09.2			54.4 N 160.6 E	NEAR E. COAST KAMCHATKA	
			H =033 KM MAG			4.10- CGS		
30			06 23 35.2			29.3 S 176.8 W	KERMADEC ISLANDS	
			H =034 KM MAG			4.70- CGS		
30			06 52 24.*			19.2 S 69.4 W	CHILE BOLIVIA BORDER	
			H =194 KM MAG			3.80- CGS		
30			07 30 33.4			14.4 S 167.4 E	NEW HEBRIDES ISLANDS	
			H =178 KM					
30	MV	eP	07 42 50.3	Z	0.5	3.1 (0)	85.0	4.35
30	HW	eP	08 15 01.8	Z	0.2	1.9 (2)	0.6	
		eS	08 15 11	R	0.3	2.8 (2)		
30			08 27 45.1			18.8 N 105.8 W	OFF CST. JALISCO, MEXICO	
			H =033 KM MAG			3.90- CGS		
30	LC	eP	08 30 59.4	Z	1.3	7.6 (0)	14.0	4.17
30	LC	eP	08 48 45.1	Z	0.3	0.9 (0)	1.5	
		eS	08 49 04	R	0.4	8.2 (0)		
30	LC	eP	09 41 08.6	Z	0.9	7.9 (0)		
30	LC	e	09 42 29	Z	0.9	4.9 (0)		
30			10 20 02.7			19.8 S 169.9 E	LOYALTY ISLANDS	
			H =033 KM					
30	LC	ePKKP	10 50 32	Z	0.9	3.9 (0)	95.0	
30			13 29 25.3			45.5 N 150.6 E	KURILE ISLANDS	
			H =040 KM MAG			5.70- CGS		
30	NP	iP	13 37 48.9C	JZ	1	9.4 (1)	46.0	5.69

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	13 37 53	LZ	20	3.4 (2)		
30	HW	eP	13 38 34.7	Z	0.8	2.5 (1)	51.0	5.25
		eS	13 45 45	LT	23	1.9 (3)		
		eLQ	13 50 35	LR	28	3.2 (3)		
		eLR	13 52 38	LZ	27	3.8 (3)		
30	MV	eP	13 39 45.0	Z	1.4	6.0 (1)	62.0	5.56
		eP	13 40 00	LZ	10	8.3 (2)		
		ePCP	13 40 24	Z	1.0	3.7 (1)		
		eL	13 55 30	LR	31	1.6 (3)		
30	LC	eP	13 41 08.7	Z	1.0	3.5 (1)	76.0	5.33
		eP	13 41 14	LZ	16	3.0 (2)		
		e	13 41 21	Z	1.4	6.7 (1)		
		eS	13 50 52	LR	23	6.5 (2)		
		eSS	13 56 37	LR	15	9.2 (2)		
		eSSS	13 59 32	LR	26	6.6 (2)		
		eLQ	14 01 49	LT	34	2.0 (3)		
		eLR	14 05 34	LZ	28	7.8 (2)		
		eL	14 08 44	LR	24	8.9 (2)		
		eL	14 08 44	LT	23	4.8 (2)		
		eL	14 08 44	LZ	24	9.0 (2)		
30	DH	eP	13 41 51.0	Z	1.0	1.7 (2)	84.0	6.13
		eP	13 41 53	LZ	14	7.4 (2)		
		e	13 42 03	Z	1.2	1.1 (2)		
		e	13 52 15	LR	25	6.8 (2)		
		eSS	13 57 42	LR	22	3.0 (2)		
		eLR	14 13 12	LZ	28	1.2 (3)		
		eL	14 19 27	LR	22	1.4 (3)		
		eL	14 19 27	LT	24	8.8 (2)		
		eL	14 19 27	LZ	24	1.5 (3)		
30	LV	eP	13 41 55.2	Z	1.1	2.1 (2)	84.0	6.18
		eP	13 41 56	LZ	16	3.6 (2)		
		eLR	14 11 00	LZ	31	1.5 (3)		
						AVG.		5.72
30			13 46 45.9			40.1 S 84.3 W	WEST OF CHILE	
			H =033 KM MAG			5.00- CGS		
30	LC	eP	13 58 28.4	Z	1.4	1.5 (1)	75.0	4.77
30			13 47 08.1			38.8 N 122.8 W	MENDOCINO COUNTY, CALIF.	
			H =033 KM MAG			4.70- CGS		
30	MV	eP	13 47 26.5	Z	0.3	3.0 (1)	1.2	
		eL	13 47 34	LZ	17	2.3 (3)		
30	MV	eP	14 08 48.5	Z	1.6	1.1 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30			15 04 14.2 09.4 N 126.0 E E. COAST MINDANAO, P. I.					
			H =102 KM MAG 5.60- CGS					
30	NP	eP	15 16 48.1	JZ	.8	5.6 (1)	87.0	5.64
30	LC	eP	15 22 46.0	Z	1.2	6.1 (0)	115.0	
		ePKKP	15 33 26	Z	0.8	3.1 (0)		
30	DH	eP	16 17 08.6	Z	0.2	4.6 (0)	1.6	
		eS	16 17 30	R	0.3	9.8 (0)		
30			16 20 48.* 18.3 S 70.1 W NORTHERN CHILE					
			H =150 KM MAG 4.10- CGS					
30	MV	eP	16 50 40.0	Z	0.2	7.9 (0)		
30	DH	eP	18 26 48.1	Z	0.2	9.1 (0)	2.3	
		eS	18 27 12	R	0.3	2.6 (1)		
30	DH	eP	18 54 19.0	Z	0.2	4.6 (0)	1.6	
		eS	18 54 40	R	0.3	5.2 (1)		
30	LC	eP	19 03 02.5	Z	0.2	1.2 (1)	1.5	
		eS	19 03 22	T	0.2	9.1 (0)		
30	LC	eP	19 10 11.6	Z	0.2	2.4 (0)	0.6	
		eS	19 10 20	T	0.3	5.6 (0)		
30	DH	eP	19 16 58.1	Z	0.3	7.3 (0)	1.5	
		eS	19 17 17	R	0.4	3.7 (1)		
30			20 32 19.5 42.4 N 142.8 E HOKKAIDO, JAPAN					
			H =050 KM MAG 4.60- CGS					
30	NP	eP	20 41 16.3	JZ	.5	2.0 (0)	51.0	4.36
30	MV	eP	20 43 18.5	Z	0.5	1.2 (0)	69.0	4.20
30	LC	eP	20 44 36.2	Z	0.9	2.9 (0)	82.0	4.27
30	HW	eLR	20 58 20	LZ	25	5.4 (2)	56.0	
							AVG.	4.27
30			20 52 12.* 18.1 S 172.6 W TONGA ISLANDS					
			H =033 KM MAG 4.40- CGS					
30			22 06 07.1 06.9 N 94.7 E NICOBAR ISLANDS					
			H =064 KM MAG 5.60- CGS					
30	NP	eP	22 19 22.0	JZ	.6	1.7 (1)	95.0	5.66

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30			23 39 27.2 02.5 S 78.4 W ECUADOR					
			H =033 KM MAG 4.30- CGS					
31	MV	eP	00 19 06.0	Z	0.3	1.9 (0)	0.5	
		eS	00 19 14	T	0.4	6.7 (0)		
31			01 31 40.* 21.5 S 176.9 W TONGA ISLANDS					
			H =390 KM MAG 4.10- CGS					
31	NP	eP	06 28 32.0	JZ	.5	2.2 (0)		
31			10 21 52.3 19.1 S 178.1 W FIJI ISLANDS					
			H =609 KM MAG 4.50- CGS					
31			10 45 17.7 45.2 N 151.5 E KURILE ISLANDS					
			H =045 KM MAG 4.50- CGS					
31	LC	eL	11 24 32	LR	19	5.7 (2)	75.0	
31	LC	eP	13 15 00.0	Z	0.6	1.5 (0)		
31			14 22 07.* 12.4 N 87.9 W NEAR W. COAST OF NICARAGUA					
			H =077 KM MAG 4.30- CGS					
31			15 18 08.* 38.4 N 45.3 E NORTHWESTERN IRAN					
			H =033 KM MAG 4.50- CGS					
31	DH	eP	16 50 03.4	Z	0.4	1.0 (1)	2.0	
		eS	16 50 30	R	0.5	3.7 (1)		
31			17 37 32.1 56.5 S 26.0 W SANDWICH ISLANDS					
			H =030 KM MAG 6.50- PAL					
31	LV	eP	17 51 35	LZ	24	1.9 (3)	104.0	
		e	17 55 02	LZ	10	5.6 (3)		
		ePP	17 56 05	LZ	19	3.3 (3)		
		e	18 00 00	LZ	19	6.2 (3)		
		e	18 11 30	LZ	19	4.5 (3)		
		e	18 15 20	LZ	20	3.7 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	18 27 30	LZ	28	5.5 (3)		
31	DH	ePD	17 51 45	LZ	19	3.5 (2)	107.0	
		e	17 55 03	LT	18	4.4 (2)		
		e	17 56 12	LT	21	1.8 (3)		
		eS	18 03 37	LR	16	2.9 (3)		
		eSS	18 11 40	LT	27	9.2 (3)		
		eLQ	18 21 40	LT	25	5.5 (3)		
		eL	18 30 00	LT	28	7.3 (3)		
31	LC	ePD	17 52 15	LZ	22	8.8 (2)	112.0	
		ePP	17 56 44	Z	1.4	2.3 (1)		
		ePP	17 56 46	LZ	21	3.9 (3)		
		e	17 56 53	Z	1.8	1.3 (2)		
		e	17 58 11	LZ	17	1.8 (3)		
		ePPP	17 59 10	LZ	20	1.8 (3)		
		eSKS	18 02 35	LT	18	1.3 (3)		
		e	18 02 50	LR	24	1.8 (3)		
		ePS	18 06 25	LR	20	3.4 (3)		
		ePKKP	18 07 10	Z	0.8	1.5 (0)		
		eSS	18 11 24	LR	20	3.0 (3)		
		eL	18 23 40	LZ	26	3.9 (3)		
		eLR	18 33 01	LZ	18	1.6 (3)		
31	MV	ePD	17 53 00	LZ	20	4.4 (2)	124.0	
		ePi	17 56 27	Z	1.5	1.2 (2)		
		ePi	17 56 30	LZ	15	7.6 (2)		
		ePP	17 58 26	Z	3.0	5.5 (2)		
		ePP	17 58 26	LZ	24	2.3 (3)		
		e	18 02 41	Z	1.4	2.9 (1)		
		ePPS	18 09 53	LR	24	2.7 (3)		
		eSS	18 15 20	LR	40	1.0 (4)		
		eL	18 30 20	LT	37	4.5 (3)		
31	HW	ePi	17 56 37.0	Z	0.9	6.3 (1)	128.0	
		ePi	17 56 40	LZ	11	1.9 (3)		
		ePP	17 58 42	LZ	22	3.2 (3)		
		eSKP	18 00 00	LZ	17	2.9 (3)		
		ePPP	18 01 16	LZ	20	1.5 (3)		
		eSKS	18 03 29	LT	15	1.5 (3)		
		ePS	18 08 52	LT	21	4.7 (3)		
		ePPS	18 10 22	LT	23	3.6 (3)		
		eSS	18 16 17	LT	25	1.5 (4)		
		eLQ	18 36 25	LT	31	9.3 (3)		
		eLR	18 38 12	LZ	22	1.2 (4)		
31	NP	ePi1	17 57 03.0	JZ	.7	8.1 (1)	145.0	
		ePi1	17 57 05	LZ	17	8.7 (3)		
31	DH	eP	18 16 47.5	Z	0.3	2.2 (1)	1.8	
		eS	18 17 11	R	0.4	5.3 (1)		
31	NP	eP	18 28 46.0	JZ	999.9	99.9 (9)		

31 18 58 43.* 07.1 S 129.3 E BANDA SEA
H =100 KM MAG 4.60- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	19 16 54.9		17.4 S 174.2 W TONGA ISLANDS					
			H =080 KM MAG 5.40- CGS					
31	HW	eP	19 24 36.0	Z	0.6	6.9 (1)	41.0	5.60
31	MV	eP	19 28 28.0	Z	0.9	3.6 (1)	75.0	5.34
		e	19 28 59	Z	1.0	1.7 (1)		
31	LC	eP	19 29 09.9	Z	0.7	3.7 (1)	81.0	5.46
		e	19 29 43	Z	0.8	1.2 (1)		
							AVG.	5.46
31	LC	eP	21 45 47.9	Z	0.8	3.8 (0)		
31	LC	eP	21 50 55.5	Z	0.3	1.9 (1)	1.2	
		eS	21 51 12	R	0.5	4.4 (0)		