Bulletin No. 25
January 1964

SEISMOLOGICAL BULLETIN
LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

THE GEOTECHNICAL CORPORATION
3401 SHILOH ROAD
GARLAND, TEXAS

GEOTECH

SEISMOLOGICAL BULLETIN

LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

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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 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 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. Three-component Sprengnether long-period seismograph systems are also in operation at HW IS and NP NT.

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 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:

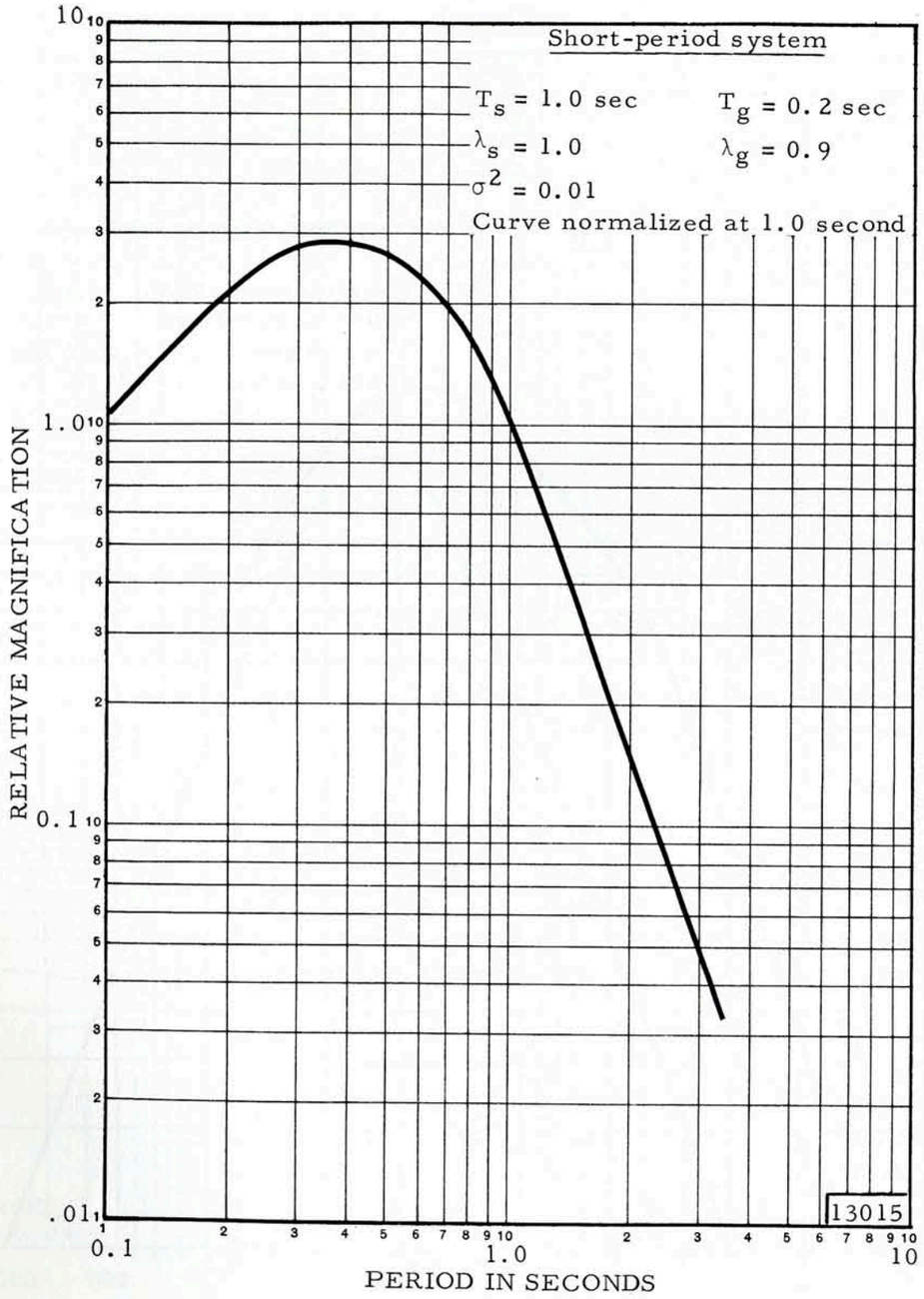


Figure 1. Frequency response of the Benioff short-period seismograph system

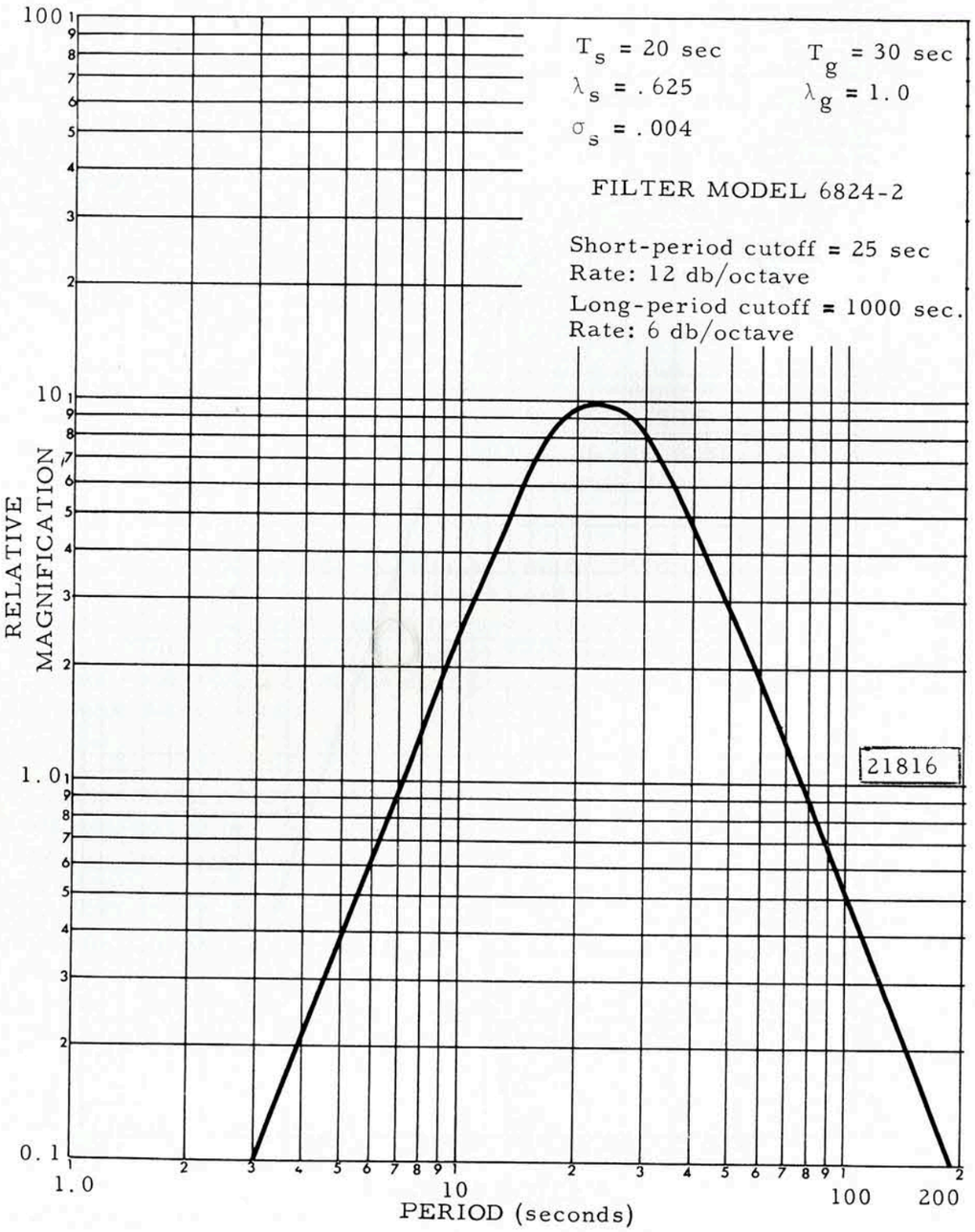


Figure 2. Frequency response of the Sprengnether long-period seismograph system

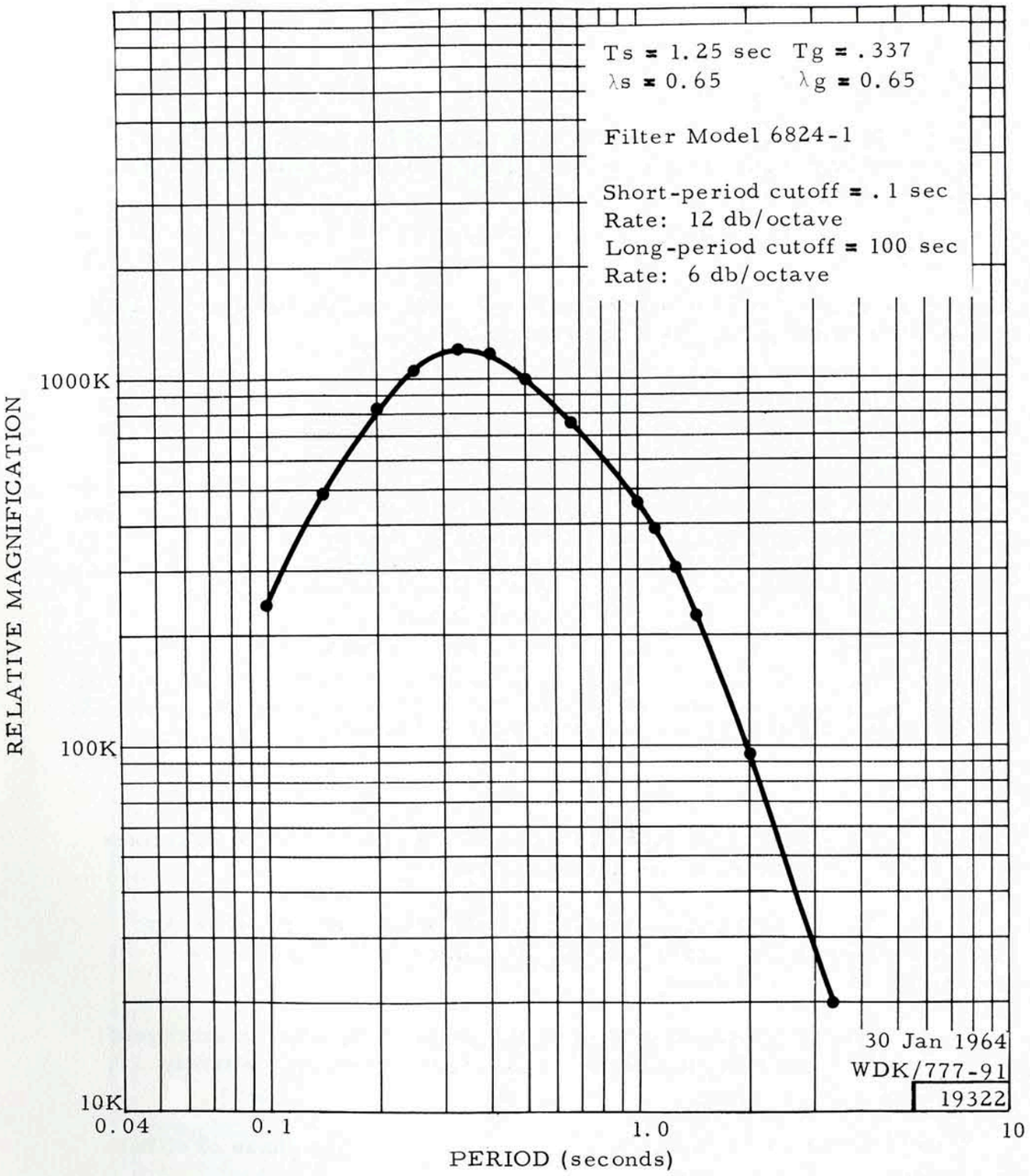


Figure 3. Frequency response of the Johnson-Matheson seismograph system

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.

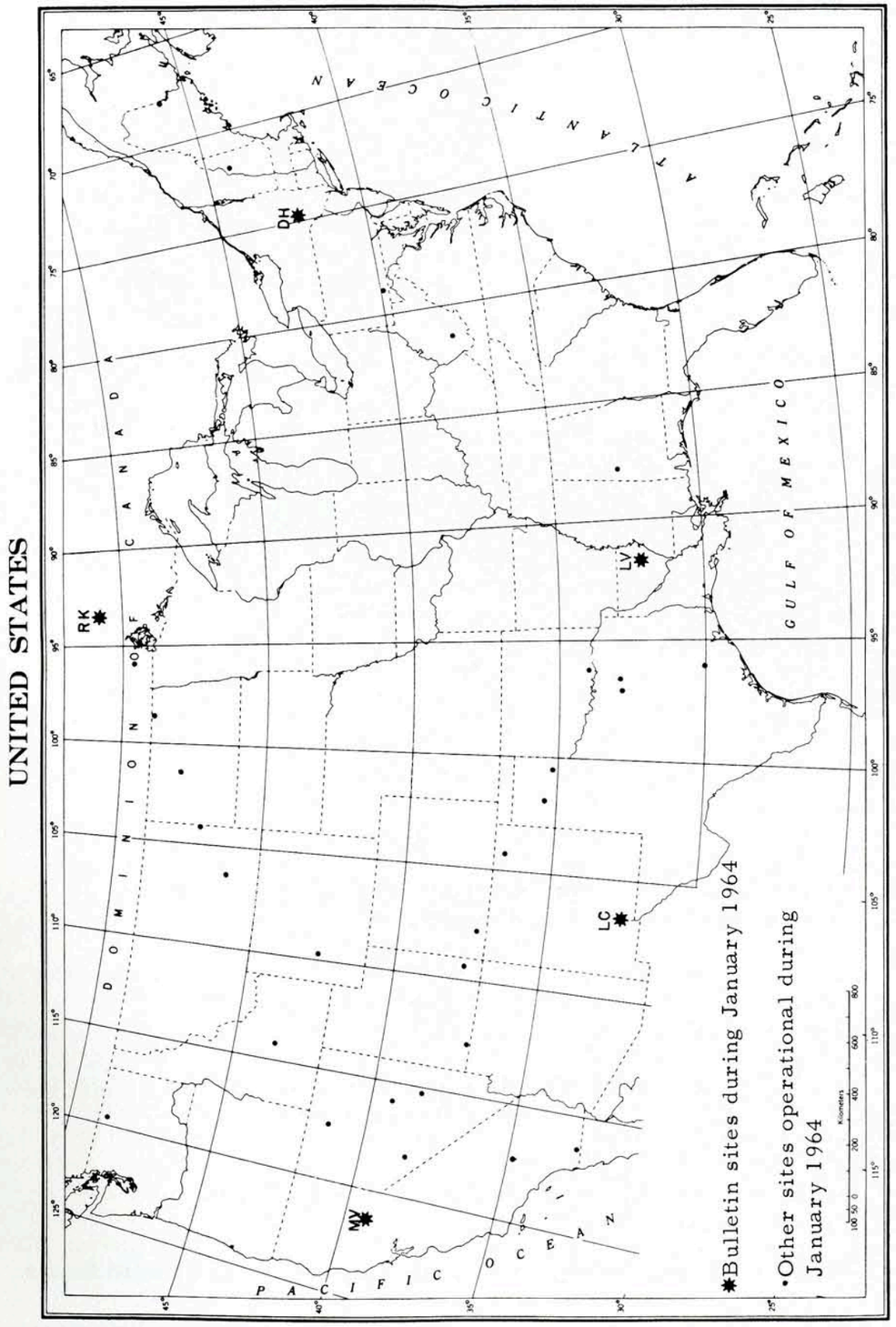


Figure 4. LRSM sites inside the Continental United States and Canada during January 1964

Figure 5. LRSM Bulletin Sites outside the continental United States during January 1964

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. 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 ($m\mu$) of ground displacement. The digit in parenthesis indicates the power to which the multiplier 10 is to be raised. For instance:

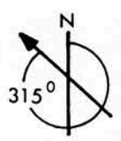
$$30.0\ (2) = 30 \times 10^2 = 3000\ m\mu$$
$$30.0\ (1) = 30 \times 10^1 = 300\ m\mu$$
$$30.0\ (0) = 30 \times 10^0 = 30.0\ m\mu$$

[1]Table 1 gives the instrument orientation of the horizontal seismometers.

Table 1. Bulletin site information

Site code	Site designation	Horizontal seismometer orientation (Azimuth from true north in degrees[1]) 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.



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.

3.1.8 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 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.

3.1.9 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°.

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

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.

3.2 ADDITIONAL INFORMATION

The notation FS located between the phase and 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° 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	04 22 13.*		43.7 N 126.3 W	OFF COAST OF OREGON				
			H =033 KM MAG	3.70- CGS				
1	MV	eP	04 23 39.2	Z	0.8	4.2 (0)	6.0	4.12
1	NP	eP	05 04 57.8	JZ	.5	2.0 (0)		
1	05 14 26.*		37.4 N 142.7 E	E. COAST HONSHU, JAPAN				
			H =033 KM MAG	4.10- CGS				
1	NP	eP	05 24 02.3	JZ	.6	4.5 (0)	56.0	4.68
1	09 14 01.8		19.1 S 169.5 E	NEW HEBRIDES ISLANDS				
			H =247 KM MAG	4.40- CGS				
1	09 43 59.5		18.2 N 105.9 W	OFF CST JALISCO, MEXICO				
			H =033 KM MAG	4.40- CGS				
1	LC	eP	09 47 20.4	Z	1.4	3.5 (1)	14.0	4.81
		eL	09 50 17	LZ	20	7.7 (2)		
1	NP	eP	09 53 53.0	JZ	1	1.1 (1)	58.0	4.85
							AVG.	4.83
1	09 45 28.7		23.9 S 67.4 W	NORTHERN CHILE				
			H =200 KM MAG	4.10- CGS				
1	12 21 55.4		06.8 S 129.8 E	BANDA SEA				
			H =096 KM MAG	5.70- CGS				
1	LC	eP'	12 40 54.3	Z	1.0	1.1 (1)	122.0	
		ePKKP	12 50 42	Z	1.0	8.6 (0)		
1	14 16 28.*		41.4 S 74.4 W	NEAR COAST SOUTHERN CHILE				
			H =033 KM MAG	4.70- CGS				
1	14 18 53.9		04.3 S 105.9 W	GALAPAGOS ISLANDS				
			H =033 KM MAG	4.60- CGS				
1	LC	eP	14 25 58.0	Z	1.0	2.4 (0)	37.0	3.96

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePCP	14 28 28	Z	1.0	6.2 (0)		
		eL	14 34 42	LR	25	1.8 (3)		
1	MV	eP	14 27 18.0	Z	1.1	8.7 (0)	46.0	4.63
		eL	14 40 40	LZ	21	7.0 (3)		
1	NP	eP	14 31 06.5	JZ	1	7.5 (0)	81.0	4.61
		eL	15 03 10	LZ	25	5.5 (2)		
1	LV	eL	14 35 24	LZ	20	6.7 (2)	39.0	
1	HW	eL	14 42 50	LZ	25	1.4 (3)	55.0	
1	DH	eL	14 45 44	LR	31	4.8 (2)	54.0	
							AVG.	4.40
1	15 49 47.9		55.9 S 27.1 W	SANDWICH ISLANDS				
			H =033 KM MAG	5.40- CGS				
1	NP	eP'1	16 09 14.8	JZ	.9	1.8 (1)	144.0	
1	16 43 08.*		37.7 N 112.5 W	SOUTHERN UTAH				
			H =015 KM					
1	NP	eP	16 54 53.7	JZ	.7	1.2 (1)		
1	17 26 43.5		45.4 N 151.9 E	KURILE ISLANDS				
			H =045 KM MAG	6.00- PAL				
1	NP	eP	17 35 04.4	JZ	.5	6.1 (0)	46.0	4.80
		eP	17 35 07	LZ	12	3.0 (3)		
		eS	17 41 50	LR	16	5.4 (3)		
		eSCS	17 44 42	LR	22	4.1 (3)		
		e	17 47 10	LR	42	8.3 (3)		
		eLQ	17 52 25	LT	25	3.0 (3)		
		eLR	17 53 10	LZ	21	2.8 (3)		
1	HW	eP	17 35 35	LZ	13	1.7 (3)	50.0	
		eS	17 42 55	LT	18	5.7 (3)		
		e	17 47 10	LR	36	1.2 (4)		
		eLQ	17 48 00	LT	19	1.8 (3)		
		eLR	17 49 13	LZ	24	3.6 (3)		
1	MV	eP	17 36 58.0	Z	0.6	1.1 (1)	61.0	5.14
		eP	17 37 00	LZ	18	6.8 (2)		
		eS	17 45 05	LT	16	4.0 (3)		
		eL	17 53 10	LT	25	5.2 (3)		
1	LC	eP	17 38 23.5	Z	1.5	6.7 (1)	75.0	5.37
		eP	17 38 26	LZ	20	5.1 (2)		
		eS	17 46 51	LT	16	3.3 (3)		
		eSS	17 52 36	LT	17	1.2 (3)		
		eLQ	18 00 45	LR	22	1.4 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	18 06 54	LZ	16	6.1 (3)		
1	DH	eP	17 39 07.2	Z	0.7	1.1 (1)	83.0	5.08
		eP	17 39 15	LZ	16	6.8 (2)		
		e	17 49 24	LR	19	1.9 (3)		
		eSS	17 54 50	LR	22	1.1 (3)		
		eSSS	17 58 19	LR	22	8.5 (2)		
		eLQ	18 05 10	LR	23	1.7 (3)		
		eLR	18 14 34	LZ	24	3.5 (3)		
		eL	18 19 50	LR	20	9.1 (3)		
		eL	18 19 50	LT	19	5.3 (3)		
		eL	18 19 50	LZ	999.9	99.9 (9)		
1	LV	eP	17 39 40	LZ	17	8.3 (2)	84.0	
		e	17 49 36	LZ	13	1.0 (3)		
		e	17 50 35	LZ	20	1.0 (3)		
		eL	17 55 20	LZ	23	7.8 (2)		
		eLR	18 11 57	LZ	18	1.7 (3)		
							AVG.	5.09
1	MV	eP	19 18 08.0	Z	0.5	1.9 (0)	3.3	
		e	19 18 16	Z	0.6	6.5 (0)		
		eS	19 18 49	R	0.6	4.7 (1)		

1 19 45 45.* 23.0 N 105.9 W SINALOA, MEXICO
H =033 KM MAG 4.00- CGS

1 20 02 32.5 03.2 S 139.7 E WESTERN NEW GUINEA
H =033 KM MAG 6.30- CGS

1	NP	eP	20 15 54.1	JZ	.6	3.4 (0)	96.0	5.05
1	LC	ePKKP	20 32 11.0	Z	1.0	1.3 (1)	112.0	
1	HW	eL	20 34 30	LZ	25	7.6 (2)	67.0	
1	MV	eL	20 48 50	LZ	24	1.0 (3)	99.0	
1	LV	eL	21 02 00	LZ	26	6.3 (2)	123.0	

1 21 04 28.5 45.5 N 151.8 E KURILE ISLANDS
H =040 KM MAG 4.20- CGS

1 22 42 27.0 45.5 N 151.7 E KURILE ISLANDS
H =045 KM MAG 4.70- CGS

1 23 40 44.1 45.5 N 151.9 E KURILE ISLANDS
H =060 KM MAG 4.50- CGS

2 00 11 15.* 06.1 S 105.1 W SOUTHWEST OF GALAPAGOS IS.
H =033 KM MAG 4.40- CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

2 03 01 53.5 53.0 N 159.6 E KAMCHATKA
H =040 KM MAG 4.90- CGS

2 05 21 00.5 54.6 N 161.5 E KAMCHATKA
H =033 KM MAG 4.90- CGS

2 06 32 58.9 21.6 S 68.2 W CHILE BOLIVIA BORDER
H =110 KM MAG 5.10- CGS

2	HW	eP	16 20 40.0	Z	0.2	3.8 (1)	0.6	
		eS	16 20 49	R	0.3	7.6 (1)		

2 17 28 35.5 36.4 N 71.1 E HINDU KUSH
H =233 KM MAG 4.80- CGS

2 18 16 12.3 03.1 S 130.0 E CERAM
H =033 KM MAG 4.30- CGS

2 19 15 23.9 08.4 S 157.1 E SOLOMON ISLANDS
H =033 KM MAG 5.50- CGS

2 19 48 37.9 35.0 N 118.4 W KERN COUNTY, CALIFORNIA
H =014 KM MAG 4.40- CGS

3 00 45 20.4 05.9 S 146.7 E NORTH EAST NEW GUINEA
H =034 KM MAG 4.60- CGS

3	LC	eLR	01 36 04	LZ	27	2.1 (2)	107.0	

3 00 59 33.8 08.5 S 157.4 E SOLOMON ISLANDS
H =061 KM MAG 4.80- CGS

3 03 18 02.4 23.4 S 180.0 FIJI ISLANDS REGION
H =509 KM MAG 4.50- CGS

3	MV	eP	03 29 34.5	Z	0.9	6.6 (0)	83.0	4.17
3	LC	eP	03 20 12.1	Z	0.7	4.4 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	DH	eP	04 31 42.6	Z	0.9	2.2 (1)		
3	05 20 33.*		19.4 S 69.2 W NORTHERN CHILE H =062 KM MAG 4.10- CGS					
3	06 14 24.4		06.9 S 128.7 E BANDA SEA H =033 KM					
3	07 14 54.2		07.1 S 129.0 E BANDA SEA H =157 KM					
3	13 27 44.5		05.0 S 77.3 W NORTHERN PERU H =033 KM MAG 4.20- CGS					
3	14 41 47.*		44.8 N 151.5 E KURILE ISLANDS H =033 KM MAG 4.00- CGS					
3	NP	eP	16 10 40.5	JZ	.7	3.4 (0)		
3	16 37 19.4		36.0 N 71.3 E HINDU KUSH H =123 KM MAG 4.50- CGS					
3	NP	eP	16 48 06.3	JZ	.3	1.7 (0)	68.0	4.34
3	LC	eP	17 20 42.8	Z	0.6	1.6 (1)		
3	17 20 54.0		52.8 N 173.1 E RAT ALEUTIAN ISLANDS H =033 KM MAG 4.90- CGS					
3	NP	iP	17 27 38.4D	JZ	.6	3.2 (1)	34.0	5.41
3	MV	eP	17 29 14.8	Z	0.8	6.2 (0)	46.0	4.63
		ePP	17 31 07	Z	1.0	5.0 (0)		
3	DH	eP	17 31 54.5	Z	0.6	1.2 (1)	69.0	5.19
		e	17 32 10	Z	0.6	9.3 (0)		
							AVG.	5.07
3	LC	eP	19 32 44.6	Z	0.3	1.4 (1)	1.4	
		eS	19 33 05	T	0.3	1.6 (1)		
3	LC	eP	19 34 45.2	Z	0.3	7.0 (0)	1.2	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	19 34 55	T	0.3	1.0 (1)		
3	21 24 56.3		20.4 S 178.2 W FIJI ISLANDS H =520 KM MAG 5.30- CGS					
3	HW	eP	21 32 32.8	Z	0.7	1.0 (2)	46.0	5.47
3	MV	eP	21 36 10.9	Z	0.8	1.4 (1)	80.0	4.46
							AVG.	4.96
3	LC	eP	21 26 50.5	Z	1.1	1.2 (1)		
3	LC	e	21 28 53	Z	1.2	1.0 (1)		
3	21 48 05.6		53.0 S 21.2 E BOUVET ISLAND REGION H =033 KM					
3	MV	eP*1	22 07 48.6	Z	1.0	5.0 (0)	151.0	
		eP*2	22 07 54	Z	0.9	1.0 (1)		
		e	22 08 02	Z	1.1	1.9 (1)		
3	NP	eP*1	22 07 54.7	JZ	.8	1.0 (1)	152.0	
3	22 12 09.*		01.5 S 79.3 W ECUADOR H =033 KM MAG 4.40- CGS					
3	DH	eP	23 10 00.6	Z	0.8	9.0 (0)		
3	HW	eP	23 47 28.6	Z	0.3	6.1 (1)	0.6	
		eS	23 47 38	T	0.3	1.6 (2)		
4	03 41 22.6		03.4 S 149.2 E BISMARCK SEA H =033 KM MAG 4.30- CGS					
4	HW	eLR	04 08 39	LZ	25	2.7 (3)	59.0	
		eL	04 09 44	LR	23	3.3 (3)		
		eL	04 09 44	LT	25	1.2 (3)		
		eL	04 09 44	LZ	25	2.7 (3)		
4	MV	eSS	04 12 00	LT	24	4.2 (2)	92.0	
		eLQ	04 19 40	LT	24	3.7 (2)		
		eLR	04 23 08	LZ	26	7.2 (2)		
		eL	04 26 32	LT	22	6.9 (2)		
		eL	04 26 32	LR	23	5.9 (2)		
		eL	04 26 32	LZ	22	1.0 (3)		
4	LC	eLR	04 29 36	LZ	25	7.0 (2)	104.0	
4	LV	eLR	04 39 43	LZ	22	2.2 (2)	116.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	DH	eLR	04 44 05	LZ	25	5.1 (2)	125.0	
4	HW	eLR	03 45 55	LZ	28	9.7 (2)		
4	MV	eLR	04 00 55	LZ	24	3.1 (2)		
4	LC	eLR	04 07 05	LZ	22	2.0 (2)		
4	LC	eLR	05 05 46	LZ	15	3.5 (2)		
4	MV	eP	07 14 51.4	Z	0.2	3.1 (0)	1.5	
		eS	07 15 11	R	0.3	2.9 (0)		
4	10 38 58.8		21.6 N 121.8 E	OFF SOUTH COAST OF TAIWAN				
			H =033 KM MAG	4.70- CGS				
4	NP	eP	10 50 40.1	JZ	1	3.5 (0)	76.0	4.36
4	LC	eP	13 22 18.1	Z	0.5	0.9 (0)		
4	MV	eP	13 53 22.0	Z	1.0	6.7 (0)		
4	LC	eP	16 08 53.6	Z	0.2	2.9 (0)	2.9	
		eS	16 09 32	T	0.6	8.5 (0)		
4	DH	eP	16 14 51.1	Z	0.2	3.6 (0)	1.3	
		eS	16 15 10	R	0.3	1.8 (1)		
4	16 17 16.5		44.4 N 150.8 E	KURILE ISLANDS				
			H =050 KM MAG	4.70- CGS				
4	NP	eP	16 25 49.3	JZ	.5	8.7 (0)	47.0	4.99
4	MV	eP	16 27 46.8	Z	1.3	1.0 (1)	63.0	4.69
4	LC	eP	16 28 55.1	Z	0.6	1.6 (0)	76.0	4.18
		e	16 29 34	Z	0.8	2.3 (0)		
							AVG.	4.62
4	16 44 16.9		21.7 N 121.8 E	OFF SOUTH COAST OF TAIWAN				
			H =033 KM					
4	17 40 23.3		05.5 S 150.0 E	NEW BRITAIN				
			H =117 KM MAG	5.20- CGS				
4	MV	eP	18 02 31.5	Z	0.3	3.1 (0)	1.2	
		eS	18 02 48	R	0.4	7.7 (0)		
4	LC	eP	19 43 28.1	Z	0.2	2.1 (1)	1.5	
		eS	19 43 46	T	0.2	6.2 (0)		
4	MV	eP	20 09 35.0	Z	0.8	4.1 (0)		
4	LC	eP	20 55 45.8	Z	0.2	1.3 (1)	0.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	20 55 55	T	0.2	1.0 (1)		
4	21 12 09.3		52.9 S 20.9 E	BOUVET ISLAND REGION				
			H =033 KM					
4	MV	eP'1	21 31 53.5	Z	1.0	3.3 (0)	151.0	
		eP'2	21 31 58	Z	1.0	1.0 (1)		
4	NP	eP'1	21 31 59.9	JZ	2.6	4.7 (1)	152.0	
4	22 45 47.*		01.9 S 102.3 E	SUMATRA				
			H =033 KM					
5	01 31 27.0		61.9 N 149.5 W	CENTRAL ALASKA				
			H =072 KM MAG	4.60- CGS				
5	NP	eP	01 35 27.2	JZ	.7	2.4 (0)	18.0	3.51
5	LC	eP	02 21 14.3	Z	0.5	0.4 (0)		
5	LC	eL	02 23 28	T	1.0	3.4 (0)		
5	03 05 44.1		20.6 S 179.0 W	FIJI ISLANDS				
			H =650 KM MAG	4.60- CGS				
5	07 06 40.2		54.6 N 161.2 W	ALASKA PENINSULA				
			H =033 KM MAG	4.10- CGS				
5	LC	eP	07 14 47.9	Z	0.9	1.9 (0)	44.0	3.84
5	07 11 26.5		37.6 S 72.5 W	NEAR COAST CENTRAL CHILE				
			H =061 KM MAG	4.30- CGS				
5	08 57 22.3		32.5 N 141.7 E	SOUTH OF HONSHU, JAPAN				
			H =033 KM MAG	4.80- CGS				
5	NP	eP	09 07 32.0	JZ	.8	1.1 (1)	61.0	5.01
5	09 08 16.2		17.0 N 60.6 W	LEEWARD ISLANDS				
			H =033 KM MAG	4.20- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	LC	eP	09 16 23.8	Z	1.2	6.0 (0)	44.0	4.20
5	MV	eLR	09 34 52	LZ	22	1.5 (2)	57.0	
5	10 11 53.0		26.6 S 175.7 W KERMADEC ISLANDS REGION					
			H =031 KM MAG 5.10- CGS					
5	MV	eP	10 24 16.2	Z	1.4	2.0 (1)	83.0	5.07
		eLR	10 56 00	LZ	15	2.3 (2)		
5	LC	eP	10 24 43.2	Z	1.1	3.2 (1)	88.0	5.47
		e	10 25 42	Z	1.2	5.0 (1)		
		eLR	10 54 08	LZ	32	4.6 (2)		
5	LV	eLR	11 03 47	LZ	17	2.6 (2)	99.0	
							AVG.	5.27
5	12 00 05.0		53.8 N 165.3 W FOX ALEUTIAN ISLANDS					
			H =063 KM MAG 4.80- CGS					
5	NP	eP	12 05 55.4	JZ	.5	2.9 (0)	28.0	4.24
5	MV	eP	12 06 36.3	Z	0.8	5.2 (0)	33.0	4.45
		ePCP	12 09 18	Z	0.8	4.1 (0)		
5	LC	eP	12 08 27.2	Z	1.0	8.7 (0)	46.0	4.62
		eLR	12 24 12	LZ	31	4.3 (2)		
							AVG.	4.43
5	13 57 18.3		41.1 N 109.3 W UTAH WYOMING BORDER					
			H =015 KM MAG 3.90- CGS					
5	15 17 43.6		43.1 N 144.4 E HOKKAIDO, JAPAN					
			H =110 KM MAG 4.30- CGS					
5	15 49 13.*		00.4 N 78.2 W COLUMBIA ECUADOR BORDER					
			H =033 KM MAG 4.10- CGS					
5	16 25 52.6		61.4 S 154.9 E MACQUARIE ISLAND REGION					
			H =033 KM					
5	DH	eP'1	16 45 30.5	Z	1.0	3.0 (1)	145.0	
		eLR	17 36 38	LR	32	1.9 (3)		
5	NP	eP'1	16 45 31.8	JZ	.7	2.4 (0)	147.0	
		e	16 45 35	JZ	1.1	1.4 (1)		
		eLR	17 34 53	LZ	28	2.0 (3)		
5	HW	ePS	16 51 10	LR	23	1.7 (3)	90.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	16 56 03	LR	23	1.1 (3)		
		eLQ	17 03 00	LT	25	3.1 (3)		
		eLR	17 06 45	LZ	35	2.0 (3)		
5	LC	eSP	16 56 40	LZ	21	2.3 (2)	122.0	
		eSS	17 03 18	LR	25	1.0 (3)		
		eLQ	17 16 45	LR	30	1.7 (3)		
		eLR	17 22 51	LZ	25	1.2 (3)		
		eL	17 23 01	LT	21	1.3 (3)		
		eL	17 23 01	LR	22	9.3 (2)		
		eL	17 23 01	LZ	20	1.4 (3)		
5	MV	eSS	17 03 03	LR	27	6.9 (2)	121.0	
		eSSS	17 07 20	LR	25	4.9 (2)		
		eLQ	17 15 50	LR	34	1.5 (3)		
		eLR	17 21 25	LZ	25	9.3 (2)		
5	LV	eLR	17 26 30	LZ	35	1.9 (3)	129.0	
5	17 15 14.*		29.8 S 105.2 W EASTER ISLAND REGION					
			H =033 KM MAG 4.50- CGS					
5	LC	eP	17 25 35.0	Z	0.9	5.8 (0)	62.0	4.75
5	NP	eL	18 11 47	LZ	27	9.0 (2)	106.0	
5	17 50 45.3		51.1 N 179.6 W ANDREANOF ALEUTIAN ISLANDS					
			H =033 KM MAG 4.30- CGS					
5	18 33 54.7		08.0 S 74.5 W CENTRAL PERU					
			H =150 KM MAG 5.20- CGS					
5	LV	eP	18 41 46.7	Z	0.8	2.1 (1)	43.0	4.82
5	DH	eP	18 42 35.1	Z	0.7	3.8 (1)	50.0	5.19
		epP	18 43 12	Z	0.7	2.7 (1)		
5	LC	eP	18 42 39.1	Z	0.9	3.9 (1)	51.0	5.19
		epP	18 43 12	Z	0.9	3.1 (1)		
		e	18 46 37	Z	0.9	4.9 (0)		
		eS	18 49 42	R	1.7	1.5 (1)		
5	MV	eP	18 44 14.2	Z	0.7	4.2 (0)	64.0	4.38
		epP	18 44 49	Z	0.7	6.8 (0)		
5	HW	eP	18 46 23.3	Z	0.8	1.3 (2)	85.0	5.81
5	NP	eP	18 46 29.0	JZ	1	2.1 (2)	88.0	6.03
		epP	18 47 07	JZ	1	1.8 (2)		
							AVG.	5.27
5	20 25 50.4		21.5 S 69.8 W NORTHERN CHILE					
			H =079 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	MV	ėP	23 00 43.0	Z	1.3	1.6 (1)		
		eP	23 29 14.7	Z	1.1	6.5 (0)		
5	NP	eP	23 29 21.5	JZ	1	7.1 (0)		
5	23 46 10.7		52.3 S 28.6 E PRINCE EDWARD ISLANDS REG. H =033 KM					
6	LC	ePˈ1	00 05 34.9	Z	1.0	3.7 (0)	142.0	
		ePˈ1	00 05 35	LZ	18	2.5 (2)		
		e	00 05 48	Z	1.1	2.2 (1)		
		ePP	00 08 46	Z	1.3	3.0 (1)		
		eSP	00 19 06	LZ	24	1.3 (3)		
		e	00 25 39	LZ	23	1.6 (3)		
		eSSS	00 32 39	LR	40	6.5 (3)		
		eL	00 43 14	LT	40	99.9 (9)		
6	HW	ePˈ1	00 05 51.6	Z	0.9	9.8 (1)	148.0	
		ePPS	00 22 26	LT	22	8.2 (2)		
		e	00 27 28	LT	31	5.4 (3)		
		eSS	00 28 35	LT	30	4.7 (3)		
		eSSS	00 33 46	LT	24	1.8 (3)		
		eLQ	00 48 25	LR	29	2.8 (3)		
		eLR	00 59 55	LZ	22	4.2 (3)		
		eL	01 05 14	LR	19	6.4 (3)		
		eL	01 05 14	LT	19	3.3 (3)		
		eL	01 05 14	LZ	20	8.7 (3)		
6	NP	ePˈ1	00 05 57.2	JZ	.8	4.1 (0)	153.0	
		ePˈ2	00 06 08	JZ	1.3	5.6 (1)		
		e	00 20 30	LZ	20	1.0 (3)		
		eSPP	00 23 12	LZ	22	1.7 (3)		
		eSSS	00 35 12	LR	29	6.3 (3)		
		eLQ	00 55 09	LR	23	2.1 (3)		
		eLR	01 06 05	LZ	25	4.0 (3)		
6	MV	ePˈ1	00 06 00.0	Z	1.2	1.0 (1)	155.0	
		e	00 06 13	Z	1.2	3.5 (1)		
		ePPP	00 13 36	LZ	20	5.1 (2)		
		e	00 17 10	LR	23	3.0 (2)		
		e	00 20 22	LZ	20	8.5 (2)		
		eSS	00 29 56	LR	24	8.0 (2)		
		e	00 44 27	LT	25	1.2 (3)		
		eLQ	00 51 24	LT	29	2.6 (3)		
		eLR	01 01 19	LZ	33	2.7 (3)		
6	DH	eSP	00 17 21	LZ	23	5.8 (2)	129.0	
		eSS	00 24 51	LR	28	3.3 (3)		
		eSSS	00 29 01	LR	33	2.3 (3)		
		eLQ	00 39 16	LR	50	1.2 (4)		
		eLR	00 45 42	LZ	24	2.2 (3)		
6	LV	eSPP	00 20 00	LZ	25	6.7 (2)	133.0	
		e	00 25 35	LZ	26	1.5 (3)		
		e	00 31 15	LZ	31	5.2 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ė	00 38 20	LZ	25	1.6 (3)		
		eL	00 41 10	LZ	22	1.0 (3)		
		eLR	00 48 25	LZ	34	4.9 (3)		
6	05 54 42.7		27.2 N 127.3 E RYUKYU ISLANDS H =110 KM MAG 5.70- CGS					
6	NP	ėP	06 05 37.0	JZ	1.1	3.7 (2)	69.0	6.12
		epP	06 06 12	JZ	1.2	5.0 (1)		
		ėS	06 14 32	R	1.4	3.7 (1)		
		e	06 15 25	T	1.5	4.4 (1)		
		ė	06 16 08	JZ	1.3	1.1 (1)		
6	MV	ėP	06 07 22.5	Z	1.0	2.5 (1)	88.0	5.19
		epP	06 07 47	Z	1.3	2.7 (1)		
		ė	06 08 01	Z	1.4	2.0 (1)		
		eL	06 36 20	LZ	28	2.1 (2)		
6	HW	eLR	06 26 47	LZ	31	5.5 (2)	70.0	
							AVG.	5.81
6	MV	eL	12 46 12	LT	35	4.4 (2)		
6	15 07 09.6		44.2 N 82.6 E SINKIANG PROVINCE, CHINA H =033 KM MAG 4.50- CGS					
6	HW	ėP	15 24 34.9D	Z	0.2	3.2 (2)	0.7	
		ėS	15 24 45	R	0.3	6.5 (2)		
6	16 06 35.0		30.4 N 138.3 E SOUTH OF HONSHU, JAPAN H =426 KM MAG 4.10- CGS					
6	16 12 45.5		23.8 S 67.7 W NO. CHILE ARGENTINA BORDER H =206 KM MAG 4.40- CGS					
6	LC	eP	18 35 34.7	Z	0.3	3.7 (0)	2.5	
		eS	18 36 07	T	0.3	1.0 (1)		
6	19 35 09.8		44.3 N 114.7 W CENTRAL IDAHO H =033 KM MAG 4.70- CGS					
6	MV	eP	19 37 00.5	Z	0.8	2.1 (0)	7.0	4.06

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	LC	eP	20 15 33.5	Z	0.3	1.6 (1)	1.4	
		eS	20 15 53	T	0.3	1.3 (1)		
6	23 06 32.1		06.8 N 73.6 W	COLOMBIA				
			H =036 KM MAG	4.50-	CGS			
6	MV	eP	23 17 43.5	Z	0.6	1.4 (0)		
6	MV	eL	23 19 09	R	1.0	1.9 (1)		
6	23 37 53.*		19.3 N 108.3 W	REVILLA GIGEDO IS. REGION				
			H =033 KM MAG	4.10-	CGS			
6	LC	eP	23 40 57.0	Z	1.2	1.0 (1)	13.0	4.70
		eP	23 40 57	LZ	8	4.8 (2)		
		e	23 42 14	LR	17	8.4 (2)		
		eL	23 49 49	LT	11	1.4 (3)		
6	23 45 23.4		50.9 N 157.3 E	SOUTHERN KAMCHATKA				
			H =033 KM MAG	5.60-	CGS			
6	NP	eP	23 52 56.2	JZ	.7	1.2 (1)	40.0	4.71
		eP	23 52 57	LZ	20	1.4 (3)		
		e	23 54 55	JZ	1.6	2.2 (1)		
7	NP	eL	00 02 13	LZ	22	3.7 (3)	40.0	
		eLR	00 05 00	LZ	29	4.8 (3)		
6	HW	eP	23 54 11	LZ	18	4.8 (2)	48.0	
7	HW	eS	00 01 00	LR	21	2.1 (3)	48.0	
		eLR	00 07 03	LZ	25	7.8 (3)		
		eL	00 08 20	LT	25	7.9 (3)		
		eL	00 08 20	LR	24	2.8 (3)		
		eL	00 08 20	LZ	24	99.9 (9)		
6	MV	eP	23 55 00.0	Z	1.4	4.9 (1)	56.0	5.35
		eP	23 55 00	LZ	25	8.8 (2)		
7	MV	eS	00 02 40	LR	27	1.6 (3)	56.0	
		eS	00 02 47	R	5.0	6.2 (2)		
		ePS	00 03 10	T	5.0	5.5 (2)		
		ePS	00 03 10	LR	25	1.5 (3)		
		eLR	00 11 30	LZ	28	99.9 (9)		
6	DH	eP	23 57 13.2	Z	0.9	7.3 (1)	77.0	5.71
		eP	23 57 14	LZ	21	1.2 (3)		
		e	23 57 37	Z	1.2	1.7 (2)		
7	DH	eSS	00 12 05	LT	23	1.0 (3)	77.0	
		eL	00 17 10	LZ	22	1.8 (3)		
		eLR	00 22 55	LZ	36	1.6 (3)		
		eL	00 34 38	LT	19	2.8 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	00 34 38	LR	19	1.4 (3)		
		eL	00 34 38	LZ	20	4.8 (3)		
6	LV	eP	23 57 15	LZ	17	1.6 (3)	77.0	
							AVG.	5.26
6	23 47 11.4		34.4 N 116.5 W	SAN BERNARDINO, CALIFORNIA				
			H =014 KM MAG	4.40-	CGS			
6	MV	eP	23 48 46.6	Z	0.5	3.8 (0)	6.0	4.40
		e	23 49 06	Z	0.7	2.5 (1)		
		eL	23 50 22	R	0.6	3.2 (1)		
		eL	23 50 25	LT	18	2.3 (3)		
6	LC	eP	23 49 11.5	Z	1.0	3.7 (0)	9.0	4.69
		eP	23 49 12	LZ	33	3.1 (2)		
		eL	23 54 24	LZ	18	1.1 (3)		
							AVG.	4.54
7	LC	eL	00 03 34	LR	20	2.0 (3)		
7	LC	eP	00 24 35.4	Z	2.5	1.7 (2)		
7	LC	e	00 24 49	Z	1.4	2.1 (1)		
7	01 50 09.*		19.2 S 169.4 E	NEW HEBRIDES ISLANDS				
			H =150 KM					
7	02 08 19.1		56.8 S 147.7 E	SOUTH OF TASMANIA				
			H =033 KM					
7	02 15 00.6		18.0 S 178.0 W	FIJI ISLANDS				
			H =593 KM MAG	5.00-	CGS			
7	HW	eP	03 11 50.0	Z	0.2	3.0 (2)	0.3	
		eS	03 11 55	T	0.3	3.5 (2)		
7	03 22 00.*		07.0 N 73.6 W	COLOMBIA				
			H =033 KM MAG	4.20-	CGS			
7	LC	eP	03 29 31.9	Z	1.0	7.5 (0)	40.0	4.34
7	04 41 53.*		18.6 N 105.4 W	OFF COAST JALISCO, MEXICO				
			H =033 KM MAG	3.80-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	LC	eP	04 45 10.9	Z	0.8	2.3 (0)	14.0	3.87
7	04 50 37.*		29.8 N 98.7 E	EASTERN TIBET				
			H =046 KM MAG	5.00- CGS				
7	05 18 24.5		58.8 S 149.4 E	MACQUARIE ISLANDS REGION				
			H =033 KM					
7	HW	eLR	06 00 00	LZ	27	6.1 (2)	90.0	
7	MV	eSSS	06 00 00	LT	25	1.1 (3)	122.0	
		eLQ	06 09 20	LR	28	4.4 (2)		
		eLR	06 13 10	LZ	20	2.3 (2)		
7	LV	eLR	06 23 00	LZ	28	6.5 (2)	132.0	
7	DH	eLR	06 30 40	LZ	24	4.9 (2)	148.0	
7	08 46 48.0		54.0 N 165.5 W	FOX ALEUTIAN ISLANDS				
			H =080 KM MAG	4.70- CGS				
7	MV	eP	08 53 18.4	Z	0.8	1.0 (1)	33.0	4.74
7	LC	eP	08 55 08.5	Z	0.9	1.1 (1)	47.0	4.78
		epP	08 55 28	Z	0.9	4.9 (0)		
		ePCP	08 56 39	Z	0.7	4.4 (0)		
7	DH	eP	08 56 33.5	Z	0.7	1.1 (1)	58.0	5.02
							AVG.	4.84
7	10 40 42.9		03.0 S 139.0 E	WESTERN NEW GUINEA				
			H =047 KM MAG	5.00- CGS				
7	LC	ePKKP	11 10 16.0	Z	1.0	1.0 (1)	112.0	
7	MV	eLR	11 27 05	LZ	20	1.5 (2)	99.0	
7	LV	eLR	11 40 00	LZ	18	1.8 (2)	124.0	
7	11 06 21.*		18.6 N 155.9 W	S. OF HAWAII IS., HAWAII				
			H =033 KM MAG	4.40- CGS				
7	HW	eP	11 06 39.1	Z	999.9	99.9 (9)	1.4	
		eP	11 06 40	LZ	13	8.7 (3)		
7	LC	eP	11 14 46.0	Z	1.0	5.0 (0)	46.0	4.44
7	11 55 34.2		39.2 N 114.2 W	EASTERN NEVADA				
			H =039 KM MAG	3.60- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	LC	eP	11 57 44.5	Z	1.0	3.7 (0)	9.0	4.54
7	HW	eP	12 04 32.4	Z	0.2	3.8 (1)	0.7	
		eS	12 04 42	R	0.3	2.4 (2)		
7	12 32 54.5		56.8 S 26.1 W	SANDWICH ISLANDS				
			H =033 KM MAG	5.60- CGS				
7	LV	eLR	13 26 12	LZ	20	2.1 (2)	105.0	
7	DH	eLR	13 30 25	LZ	21	4.9 (2)	107.0	
7	MV	eLR	13 35 43	LZ	22	1.7 (2)	124.0	
7	12 53 47.8		39.1 N 114.2 W	EASTERN NEVADA				
			H =033 KM MAG	3.50- CGS				
7	LC	eP	12 55 57.9	Z	0.9	2.9 (0)	9.0	4.52
7	HW	eLR	13 34 47	LZ	17	4.1 (2)	40.0	
7	14 00 23.*		02.0 N 73.1 W	SOUTHERN COLOMBIA				
			H =046 KM MAG	4.10- CGS				
7	LC	eP	14 07 58.3	Z	0.9	2.9 (0)	44.0	4.01
7	15 06 47.*		15.2 S 167.2 E	NEW HEBRIDES ISLANDS				
			H =099 KM					
7	LC	eP	15 20 00.8	Z	0.6	1.6 (0)	95.0	4.63
		e	15 20 43	Z	1.0	3.7 (0)		
7	17 22 27.*		06.2 N 72.5 W	COLOMBIA				
			H =213 KM MAG	3.70- CGS				
7	DH	eLR	18 12 55	LZ	22	4.5 (2)		
7	HW	eP	18 14 58.0	Z	0.2	3.8 (1)	0.7	
		eS	18 15 08	R	0.2	1.7 (2)		
7	MV	eP	19 04 57.0	Z	0.2	3.1 (0)	1.3	
		eS	19 05 15	T	0.3	1.1 (1)		
7	DH	eP	19 09 50.0	Z	0.2	5.4 (0)	0.9	
		eS	19 10 02	R	0.3	6.7 (0)		
7	DH	eP	19 33 50.8	Z	0.2	5.4 (0)	1.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	19 34 13	T	0.3	2.3 (1)		
7	MV	eP	19 34 24.3	Z	0.3	1.2 (0)	2.8	
		e	19 34 34	Z	0.4	3.6 (0)		
		eS	19 34 59	T	0.4	5.5 (0)		
7	MV	eP	19 39 55.4	Z	0.3	6.9 (0)	1.9	
		eS	19 40 21	T	0.4	6.1 (0)		
7	LC	eP	19 41 08.3	Z	0.2	2.1 (1)	1.5	
		eS	19 41 28	R	0.2	7.9 (0)		
7	20 04 36.*		39.3 N 73.8 E	TADZHIK S.S.R.				
			H =033 KM MAG	4.50-	CGS			
7	MV	eP	20 26 07.5	Z	0.3	1.2 (0)	1.5	
		eS	20 26 28	R	0.5	8.2 (0)		
7	20 52 04.9		04.6 S 103.3 E	NEAR WEST COAST OF SUMATRA				
			H =089 KM MAG	5.00-	CGS			
7	MV	eP'	21 11 01.0	Z	1.0	8.4 (0)	127.0	
7	23 12 33.4		18.3 S 173.4 W	TONGA ISLANDS				
			H =033 KM MAG	4.70-	CGS			
7	LC	eP	23 24 49.5	Z	1.2	1.0 (1)	81.0	4.66
7	MV	eLR	23 46 56	LZ	22	1.5 (2)	75.0	
7	MV	eP	23 20 51.8	Z	0.2	1.5 (0)	2.4	
		e	23 20 56	Z	0.3	8.2 (0)		
		eS	23 21 23	T	0.4	5.5 (0)		
8	00 15 56.*		03.0 N 101.0 W	WEST OF GALAPAGOS ISLANDS				
			H =033 KM MAG	4.30-	CGS			
8	02 11 18.*		51.4 N 179.0 W	ANDREANOF ALEUTIAN ISLANDS				
			H =033 KM MAG	4.20-	CGS			
8	04 23 46.3		05.0 S 144.3 E	EASTERN NEW GUINEA				
			H =072 KM MAG	5.10-	CGS			
8	05 47 31.8		54.4 N 161.8 E	ALASKA PENINSULA				
			H =033 KM MAG	4.30-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	10 04 31.6		46.1 N 77.7 W	ONTARIO QUEBEC BORDER				
			H =033 KM MAG	3.80-	CGS			
8	DH	eP	10 05 39.0	Z	0.3	7.3 (0)	4.4	4.49
		e	10 06 27	Z	0.3	2.2 (1)		
		eL	10 07 28	R	0.3	1.5 (2)		
8	LC	eP	10 10 07.8	Z	0.8	1.5 (0)	26.0	3.66
		e	10 18 16	Z	0.8	9.3 (0)		
							AVG.	4.07
8	11 58 42.5		18.8 S 173.8 W	TONGA ISLANDS				
			H =033 KM MAG	4.80-	CGS			
8	LC	eP	12 11 02.3	Z	1.0	1.1 (1)	82.0	4.85
		eL	12 38 03	LZ	21	6.6 (2)		
8	HW	eLR	12 19 10	LZ	21	3.2 (2)	42.0	
8	LV	eLR	12 45 54	LZ	20	2.8 (2)	93.0	
8	DH	eLR	12 55 25	LZ	22	1.6 (2)	109.0	
8	MV	eP	12 25 13.0	Z	0.3	3.8 (0)	0.6	
		eS	12 25 22	T	0.3	4.1 (1)		
8	13 42 41.3		52.3 N 173.5 E	RAT ALEUTIAN ISLANDS				
			H =033 KM MAG	4.50-	CGS			
8	14 34 52.*		19.3 S 69.0 W	CHILE BOLIVIA BORDER				
			H =199 KM MAG	3.90-	CGS			
8	LC	eP	15 03 39.5	Z	0.5	4.7 (0)		
8	LC	e	15 03 56	Z	0.5	5.6 (0)		
8	LC	eL	15 04 51	R	0.5	3.1 (1)		
8	16 02 30.0		06.9 S 129.4 E	BANDA SEA				
			H =108 KM					
8	18 46 50.4		44.1 N 127.5 W	OFF COAST OF OREGON				
			H =033 KM MAG	4.20-	CGS			
8	19 44 13.*		69.3 N 15.0 W	JAN MAYEN ISLAND REGION				
			H =033 KM MAG	4.70-	CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	22 30 49.7		03.7 S 119.4 E CELEBES					
			H =090 KM MAG 5.20- CGS					
8	HW	eP	22 43 35	LZ	7	2.3 (3)	86.0	
		e	22 54 05	LZ	25	3.8 (2)		
		e	22 59 54	LZ	30	5.2 (2)		
		e	23 06 38	LZ	27	5.8 (2)		
		eLR	23 11 06	LZ	32	1.0 (3)		
8	NP	eP	22 44 31.2	JZ	1.5	5.9 (1)	101.0	5.99
8	LV	eP'	22 50 00	LZ	10	5.9 (2)	140.0	
		ePP	22 53 04	LZ	12	4.3 (2)		
		e	23 03 03	LZ	19	2.9 (2)		
		e	23 05 20	LZ	22	3.0 (2)		
		e	23 11 50	LZ	20	2.4 (2)		
		eL	23 37 30	LZ	30	9.0 (2)		
8	LC	ePP	22 51 50	LZ	16	1.4 (2)	128.0	
		eSS	23 09 05	LR	40	1.2 (3)		
		e	23 10 25	LZ	20	1.7 (2)		
		e	23 17 15	LR	22	4.2 (2)		
		eL	23 35 74	LZ	23	4.3 (2)		
8	MV	eLR	23 24 10	LZ	36	8.7 (1)	115.0	
8	DH	eL	23 44 50	LZ	27	4.5 (2)	140.0	
8	23 13 56.1		06.9 S 155.3 E SOLOMON ISLANDS REGION					
			H =101 KM MAG 4.20- CGS					
9	02 59 21.6		41.7 N 141.9 E N. COAST HOKKAIDO, JAPAN					
			H =050 KM MAG 5.00- CGS					
9	NP	eP	03 08 28.0	JZ	.7	8.1 (1)	52.0	5.82
9	MV	eP	03 10 26.6	Z	1.1	6.5 (0)	70.0	4.52
		e	03 10 47	Z	1.1	3.0 (1)		
		eLR	03 32 10	LZ	28	2.9 (2)		
9	LC	eP	03 11 42.5	Z	1.2	1.2 (1)	83.0	4.86
		e	03 12 02	Z	0.9	1.2 (1)		
9	HW	eLR	03 25 18	LZ	24	7.1 (2)	56.0	
							AVG.	5.12
9	03 10 58.3		44.3 N 114.6 W CENTRAL IDAHO					
			H =033 KM MAG 4.50- CGS					
9	MV	eP	03 12 46.1	Z	0.5	1.2 (0)	7.0	4.05
		eL	03 14 36	R	0.6	8.0 (0)		
		eL	03 15 05	LZ	12	7.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	11 11 55.6		44.2 N 114.8 W CENTRAL IDAHO					
			H =033 KM MAG 3.60- CGS					
9	11 47 45.0		31.1 S 64.4 W CORDOBA PROV., ARGENTINA					
			H =119 KM MAG 4.30- CGS					
9	LC	eP	11 59 14.0	Z	0.7	5.6 (0)	75.0	4.49
9	MV	eP	16 20 46.2	Z	0.2	1.6 (0)	1.6	
		eS	16 21 07	R	0.3	9.0 (0)		
9	NP	eP	16 46 53.2	JZ	.9	3.0 (1)		
9	18 31 52.4		45.5 N 150.9 E KURILE ISLANDS					
			H =040 KM MAG 5.60- CGS					
9	NP	iP	18 40 16.1C	JZ	1.4	4.2 (2)	46.0	6.20
		eP	18 40 20	LZ	18	1.6 (3)		
		e	18 46 50	LZ	22	1.6 (3)		
		eLR	18 55 20	LZ	30	1.0 (4)		
9	HW	eP	18 40 32	LZ	18	1.1 (3)	51.0	
		eS	18 47 47	LT	22	99.9 (9)		
		eLQ	18 52 22	LR	28	3.4 (4)		
		eLR	18 55 00	LZ	999.9	99.9 (9)		
9	MV	eP	18 42 10.8	Z	1.2	1.6 (1)	62.0	5.06
		eP	18 42 13	LZ	15	1.4 (3)		
		e	18 42 22	Z	1.2	7.4 (1)		
		ePP	18 44 40	LZ	21	5.8 (2)		
		eS	18 50 25	LT	24	3.5 (3)		
		eSCS	18 52 00	LT	23	3.2 (3)		
		eSS	18 54 42	LT	25	1.8 (3)		
		eLQ	18 57 30	LT	999.9	99.9 (9)		
		eLR	19 00 35	LZ	24	99.9 (9)		
9	LC	eP	18 43 24.8	Z	1.0	2.8 (1)	76.0	5.24
9	DH	eP	18 44 17.5	Z	1.0	1.5 (2)	84.0	6.06
9	LV	eP	18 44 21.5	Z	1.0	1.6 (2)	84.0	6.11
		eP	18 44 22	LZ	23	1.6 (3)		
		e	18 54 45	LZ	22	2.3 (3)		
		eSP	18 55 45	LZ	23	2.1 (3)		
		e	19 01 05	LZ	23	2.3 (3)		
		eLR	19 13 10	LZ	34	99.9 (9)		
							AVG.	5.79
9	18 38 11.*		14.9 N 87.9 W HONDURAS					
			H =033 KM MAG 4.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9			48.6 N 153.1 E KURILE ISLANDS					
			H =148 KM MAG 4.80- CGS					
9	LC	eP	21 08 15.1	Z	0.9	3.9 (0)	73.0	4.19
9			01.2 S 89.9 W GALAPAGOS ISLANDS					
			H =033 KM MAG 4.00- CGS					
9			20.0 S 178.3 W FIJI ISLANDS					
			H =649 KM MAG 4.00- CGS					
9			42.6 S 174.8 E E. SOUTH IS., NEW ZEALAND					
			H =061 KM MAG 5.50- CGS					
10			39.0 N 21.1 E NORTHERN GREECE					
			H =016 KM MAG 4.30- CGS					
10			42.0 N 142.6 E S. COAST HOKKAIDO, JAPAN					
			H =033 KM MAG 5.75-6.00 BKS					
10	NP	eP	04 59 56.7	JZ	.6	5.0 (1)	52.0	5.66
		eP	05 00 00	LZ	19	7.9 (2)		
		eS	05 07 15	LT	25	2.0 (3)		
		eLR	05 16 55	LZ	30	6.6 (3)		
10	HW	eP	05 00 32.5	Z	0.7	4.2 (1)	56.0	5.58
		eP	05 00 33	LZ	11	1.8 (3)		
		eS	05 08 18	LT	25	6.3 (3)		
		e	05 12 08	LZ	27	1.7 (3)		
		eLQ	05 14 00	LR	30	4.0 (3)		
		eLR	05 16 20	LZ	26	1.5 (4)		
10	MV	eP	05 01 57.0	Z	0.7	1.1 (1)	69.0	5.10
		eP	05 02 00	LZ	18	7.0 (2)		
		e	05 10 53	LZ	27	1.3 (3)		
		e	05 12 11	LR	28	1.9 (3)		
		eLQ	05 18 50	LT	31	2.8 (3)		
		eLR	05 23 10	LZ	28	4.9 (3)		
10	LC	eP	05 03 14.2	Z	0.9	1.6 (1)	82.0	5.07
		eP	05 03 19	LZ	12	4.5 (2)		
		e	05 03 30	Z	0.9	2.5 (1)		
		e	05 03 30	LZ	16	9.4 (2)		
		eS	05 13 23	LR	30	2.2 (3)		
		eSSS	05 22 53	LR	29	2.3 (3)		
		eLQ	05 26 48	LT	38	3.9 (3)		
		eLR	05 30 23	LZ	29	3.9 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	DH	eP	05 03 49.0	Z	0.7	4.0 (1)	90.0	5.73
		eS	05 14 43	LR	33	2.8 (3)		
		eL	05 31 10	LR	37	5.0 (3)		
10	LV	eP	05 03 55.9	Z	1.0	5.0 (1)	91.0	5.77
		eP	05 03 56	LZ	16	8.3 (2)		
		e	05 14 54	LZ	18	7.1 (2)		
		eSP	05 16 05	LZ	20	7.9 (2)		
		eL	05 25 50	LZ	30	9.8 (2)		
		eLR	05 35 00	LZ	34	5.6 (3)		
							AVG.	5.56
10			15.8 S 70.3 W SOUTHERN PERU					
			H =234 KM MAG 4.20- CGS					
10	NP	eP	06 11 32.5	JZ	.3	2.6 (0)		
10	LC	eP	09 34 53.9	Z	0.7	0.6 (0)		
10	LC	eL	09 36 41	R	0.7	6.5 (0)		
10			44.8 N 149.6 E KURILE ISLANDS					
			H =033 KM MAG 4.50- CGS					
10			07.1 S 119.1 E FLORES SEA					
			H =126 KM					
10			44.1 N 150.8 E KURILE ISLANDS					
			H =058 KM MAG 4.10- CGS					
10			15.4 S 175.0 W TONGA ISLANDS REGION					
			H =033 KM MAG 5.00- CGS					
10	MV	eP	17 04 10.0	Z	1.4	2.8 (1)	74.0	5.04
		e	17 04 16	Z	1.0	2.6 (1)		
		e	17 16 20	LZ	27	8.1 (2)		
		eSS	17 23 40	LT	48	2.2 (3)		
10	LC	eP	17 04 50.4	Z	0.9	4.3 (1)	81.0	5.42
							AVG.	5.23
10			45.4 N 150.0 E KURILE ISLANDS					
			H =050 KM MAG 5.40- CGS					
10	NP	eP	17 05 50.3	JZ	.4	2.8 (1)	47.0	5.59
		eP	17 05 56	LZ	18	3.0 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	17 21 34	LZ	34	2.5 (3)		
10	MV	eP	17 07 48.0	Z	1.3	6.6 (1)	63.0	5.51
10	HW	e	17 09 00	LT	18	9.9 (2)	51.0	
		e	17 10 55	LZ	23	7.1 (2)		
		eLQ	17 18 32	LR	33	2.4 (3)		
		eLR	17 20 43	LZ	28	2.8 (3)		
10	LC	eP	17 09 10.4	Z	0.7	1.0 (1)	76.0	4.91
		eLR	17 30 03	LZ	24	4.6 (2)		
10	DH	eP	17 09 51.5	Z	0.7	3.0 (1)	84.0	5.49
10	LV	eP	17 09 57.3	Z	1.0	1.0 (2)	85.0	5.85
		eP	17 09 58	LZ	15	5.1 (2)		
		eL	17 36 55	LZ	22	3.2 (2)		
							AVG.	5.45
10	LC	eP	18 24 08.9	Z	0.9	3.9 (0)		
10	19 21 58.*		02.8 N 127.0 E MOLUCCA SEA H =033 KM					
10	LC	eP	19 55 12.4	Z	0.2	1.5 (1)	1.5	
		eS	19 55 31	R	0.2	1.6 (1)		
10	21 52 47.6		06.9 S 129.4 E BANDA SEA H =117 KM MAG 5.50- CGS					
10	LC	ePKKP	22 21 29.0	Z	0.8	3.1 (0)	122.0	
11	00 40 21.*		16.4 N 98.3 W OAXACA, MEXICO H =033 KM MAG 4.50- CGS					
11	LV	eP	00 44 14	LZ	15	2.7 (2)	17.0	
		eL	00 49 22	LZ	32	4.0 (2)		
11	LC	eP	00 44 32.8	Z	1.0	8.6 (1)	18.0	4.87
11	RK	eP	00 47 07.6	Z	0.9	1.1 (1)	35.0	4.81
		e	00 48 28	Z	0.9	7.6 (0)		
		eL	01 02 14	LR	11	9.0 (2)		
							AVG.	4.84
11	MV	eP	01 00 07.3	Z	0.4	2.4 (0)	1.2	
		eS	01 00 23	R	0.3	1.2 (1)		
11	LC	eP	03 05 02.1	Z	0.9	6.7 (1)		
11	LC	eLQ	05 50 21	LT	15	4.0 (3)		
11	LC	eLR	05 51 28	LZ	10	7.0 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	06 39 55.*		15.1 S 172.9 W SAMOA ISLANDS H =033 KM MAG 4.20- CGS					
11	LC	eP	06 51 46.1	Z	0.6	1.0 (1)	79.0	4.98
		eL	07 16 00	LZ	26	2.1 (2)		
11	MV	eL	07 13 36	LZ	20	1.6 (2)	72.0	
11	RK	eL	07 23 53	LT	23	1.6 (2)	95.0	
11	LV	eL	07 00 00	LZ	30	1.4 (2)		
11	07 34 15.2		03.6 N 82.7 W SOUTH OF PANAMA H =033 KM MAG 4.10- CGS					
11	09 24 15.6		14.1 S 169.6 E NEW HEBRIDES ISLANDS H =033 KM MAG 4.90- CGS					
11	HW	eL	09 46 17	LZ	26	3.4 (2)	48.0	
11	MV	eL	10 01 55	LZ	23	2.7 (2)	83.0	
11	LC	eL	10 06 20	LZ	31	1.8 (2)	92.0	
11	10 23 10.9		11.4 S 90.9 E INDIAN OCEAN H =033 KM					
11	LC	eP	13 08 07.5	Z	0.4	8.8 (0)	2.2	
		eS	13 08 36	R	0.4	3.5 (1)		
		eP	13 12 43.4	Z	0.3	2.7 (1)		
		eS	13 13 12	R	0.3	6.4 (1)		
		eP	13 14 16.0	Z	0.3	1.8 (1)		
		eS	13 14 44	R	0.3	5.5 (1)		
11	14 09 17.*		32.3 N 142.0 E SOUTH OF HONSHU, JAPAN H =109 KM MAG 4.30- CGS					
11	NP	eP	14 19 19.8	JZ	.5	9.7 (0)	61.0	5.06
11	LC	eP	16 12 44.2	Z	0.3	5.5 (1)	2.2	
		eS	16 13 12	R	0.3	1.1 (2)		
11	LC	eP	17 21 37.5	Z	0.4	1.3 (1)	3.0	
		e	17 21 42	Z	0.4	2.6 (1)		
		eS	17 22 15	T	0.4	9.0 (1)		
11	DH	eP	19 22 18.9	Z	0.3	1.2 (1)	1.9	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	19 22 44	R	0.5	2.4 (1)		
11	DH	eP	19 50 46.0	Z	0.3	8.3 (0)	1.4	
		eS	19 51 03	R	0.4	3.9 (1)		
11	21 23 54.2		40.4 S 72.6 W SOUTHERN CHILE					
			H =033 KM MAG 4.50- CGS					
11	RK	eP	21 37 10.0	Z	1.0	7.3 (0)	93.0	5.03
11	LC	eL	22 04 33	LZ	20	1.5 (2)	79.0	
11	22 02 03.*		08.6 S 123.4 E FLORES SEA					
			H =070 KM MAG 5.50- CGS					
11	RK	eP'	22 21 01.2	Z	0.5	7.3 (0)	128.0	
12	06 00 13.2		53.2 N 166.3 W FOX ALEUTIAN ISLANDS					
			H =033 KM MAG 5.50- CGS					
12	NP	iP	06 06 11.5D	JZ	.9	6.1 (1)	29.0	5.37
		e	06 06 50	LZ	20	5.7 (2)		
12	MV	iP	06 06 52.0C	Z	0.6	2.7 (1)	34.0	5.33
		eP	06 06 55	LZ	25	3.3 (2)		
		ePP	06 08 14	Z	1.4	6.2 (1)		
		ePCP	06 09 31	Z	0.6	7.3 (0)		
		eS	06 12 13	R	5.0	5.9 (2)		
		eS	06 12 15	LR	24	2.0 (3)		
		eSCP	06 13 11	Z	2.0	1.1 (2)		
		eLQ	06 14 15	LT	32	5.0 (3)		
		eLR	06 15 40	LZ	24	99.9 (9)		
12	HW	eP	06 06 56.5	Z	1.0	1.5 (2)	34.0	5.84
		eP	06 06 58	LZ	15	6.2 (2)		
		e	06 12 23	LZ	21	1.3 (3)		
		eLQ	06 14 08	LR	20	1.8 (3)		
		eLR	06 15 14	LZ	24	4.8 (3)		
		eL	06 15 44	LR	22	4.8 (3)		
		eL	06 15 44	LT	24	5.2 (3)		
		eL	06 15 44	LZ	24	4.8 (3)		
12	RK	eP	06 08 10.3	Z	0.7	3.5 (1)	43.0	5.20
		ePP	06 09 54	Z	1.3	9.2 (1)		
		eS	06 14 30	R	3.1	5.7 (2)		
		eS	06 14 35	LT	20	99.9 (9)		
		eSS	06 17 55	LT	27	2.7 (3)		
		eL	06 20 08	LT	30	2.2 (3)		
12	LC	eP	06 08 42.9	Z	1.1	6.9 (1)	47.0	5.60
		eP	06 08 43	LZ	18	3.5 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	06 09 21	Z	1.0	4.4 (1)		
		ePP	06 10 36	Z	1.7	6.7 (1)		
		eSCP	06 14 03	LZ	19	2.6 (2)		
		eSCP	06 14 04	Z	2.0	5.5 (1)		
		eS	06 15 28	LR	25	1.8 (3)		
		eSS	06 19 06	LR	25	2.2 (3)		
		eLQ	06 21 16	LT	29	4.6 (3)		
		eLR	06 23 14	LZ	30	3.4 (3)		
12	LV	eP	06 09 49.3	Z	0.8	2.0 (1)	56.0	5.22
		eP	06 09 54	LZ	16	4.0 (2)		
		eL	06 22 18	LZ	20	1.1 (3)		
12	DH	eP	06 10 06.7	Z	0.8	4.8 (1)	58.0	5.58
		eP	06 10 08	LZ	10	1.3 (3)		
		ePP	06 12 00	LZ	10	2.3 (3)		
		e	06 18 00	LZ	15	2.4 (3)		
		eSS	06 22 14	LT	26	1.6 (3)		
		eLR	06 28 20	LZ	31	2.4 (3)		
		eL	06 32 38	LR	24	4.5 (3)		
		eL	06 32 38	LT	25	4.3 (3)		
		eL	06 32 38	LZ	25	6.6 (3)		
							AVG.	5.45
12	06 40 34.1		03.5 N 82.9 W SOUTH OF PANAMA					
			H =033 KM MAG 4.20- CGS					
12	MV	eP	07 48 40.9	Z	0.2	5.6 (0)	1.5	
		eS	07 49 00	R	0.2	1.0 (1)		
12	08 37 49.*		44.1 N 149.5 E KURILE ISLANDS					
			H =040 KM MAG 4.30- CGS					
12	11 06 03.6		38.8 N 118.0 W CENTRAL NEVADA					
			H =015 KM					
12	MV	eP	11 06 48.0	Z	0.2	2.4 (0)	2.6	
		eL	11 07 19	T	0.2	1.7 (1)		
12	11 13 19.6		05.4 S 146.8 E NEAR COAST N.E. NEW GUINEA					
			H =229 KM MAG 5.60- CGS					
12	MV	eP	11 26 17.0	Z	1.0	1.9 (1)	95.0	5.25
12	LC	ePD	11 27 27.0	Z	0.9	2.9 (0)	107.0	
		ePKKP	11 42 54	Z	0.9	9.6 (0)		
12	RK	eP'	11 31 26.3	Z	0.9	3.6 (0)	113.0	

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
		e	11 34 39		Z	0.6	1.9 (0)		
		ePKKP	11 42 26		Z	0.8	5.7 (0)		
12	DH	eP	11 34 54.4		Z	0.8	6.0 (1)		
12	12 36 18.7		56.0 S	27.6 W	SANDWICH ISLANDS				
			H =033 KM	MAG	5.50-	CGS			
12	MV	eP*	12 55 11.9		Z	1.0	8.6 (0)	123.0	
12	NP	iP*1	12 55 47.5D		JZ	.7	2.5 (1)	144.0	
12	12 45 51.1		31.5 N	49.4 E	WESTERN IRAN				
			H =067 KM	MAG	5.20-	CGS			
12	RK	eP	12 58 53.0		Z	0.9	3.6 (0)	92.0	4.71
								AVG.	5.06
12	14 21 51.5		10.9 S	74.6 W	CENTRAL PERU				
			H =094 KM	MAG	4.20-	CGS			
12	14 28 20.0		04.4 S	137.3 E	WESTERN NEW GUINEA				
			H =022 KM	MAG	5.40-	CGS			
12	23 33 41.*		19.3 S	69.3 W	NORTHERN CHILE				
			H =204 KM	MAG	4.20-	CGS			
13	04 00 48.3		28.9 S	66.2 W	CATAMARCA PROV., ARGENTINA				
			H =033 KM	MAG	4.80-	CGS			
13	LC	eP	04 12 11.2		Z	0.8	9.9 (0)	72.0	4.90
		e	04 12 18		Z	0.8	6.9 (0)		
13	RK	eP	04 13 11.0		Z	0.8	1.8 (1)	83.0	5.27
		e	04 13 18		Z	0.9	1.9 (1)		
								AVG.	5.08
13	06 04 48.2		28.7 S	178.0 W	KERMADEC ISLANDS				
			H =033 KM	MAG	3.90-	CGS			
13	LC	eL	12 18 45		LZ	21	3.2 (2)		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
13	13 25 01.9		46.6 N	152.1 E	KURILE ISLANDS				
			H =020 KM	MAG	4.90-	CGS			
13	NP	eP	13 33 13.8		JZ	.4	2.7 (0)	45.0	4.49
13	RK	eP	13 36 08.0		Z	1.0	3.0 (1)	68.0	5.40
13	LC	eP	13 36 36.8		Z	1.1	6.3 (0)	74.0	4.52
								AVG.	4.80
13	13 32 59.2		19.8 S	175.6 W	TONGA ISLANDS REGION				
			H =190 KM	MAG	4.10-	CGS			
13	LC	eP	13 44 10.1		Z	0.9	6.7 (0)	84.0	4.40
13	17 23 30.1		02.3 N	102.0 W	WEST OF GALAPAGOS ISLANDS				
			H =033 KM	MAG	4.90-	CGS			
13	LC	eP	17 29 37.5		Z	1.9	4.3 (1)	30.0	4.93
		e	17 29 46		Z	1.0	3.7 (0)		
		eS	17 34 44		LR	21	7.3 (2)		
		eL	17 37 09		LR	24	1.8 (3)		
13	RK	eP	17 32 12.5		Z	1.0	1.2 (1)	49.0	4.87
		eS	17 39 25		LT	25	4.9 (2)		
		eL	17 45 30		LT	20	6.8 (2)		
13	LV	eL	17 39 15		LZ	29	1.4 (3)	31.0	
13	MV	eL	17 40 55		LZ	25	2.8 (2)	41.0	
13	DH	eL	17 43 50		LZ	48	2.3 (3)	47.0	
13	HW	eL	17 48 40		LZ	22	9.9 (2)	55.0	
								AVG.	4.90
13	LC	eP	18 02 13.8		Z	0.8	2.3 (0)		
13	18 49 09.8		11.6 S	166.2 E	SANTA CRUZ ISLANDS				
			H =059 KM	MAG	5.20-	CGS			
13	MV	eP	19 01 35.2		Z	0.9	9.6 (0)	84.0	4.85
		eL	19 25 45		LZ	30	7.7 (2)		
13	HW	eL	19 11 35		LZ	25	1.4 (3)	49.0	
13	LC	eL	19 32 53		LZ	29	7.7 (2)	94.0	
13	LV	eL	19 39 15		LZ	30	7.4 (2)	106.0	
13	DH	eL	19 45 50		LZ	50	5.2 (3)	119.0	
13	LC	eP	19 41 02.5		Z	0.3	2.1 (1)	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	19 41 22	R	0.3	1.6 (1)		
14	01 11 12.6		52.9 N 159.6 E	EAST COAST KAMCHATKA				
			H =050 KM MAG	4.90- CGS				
14	NP	eP	01 18 21.3	JZ	.5	1.0 (1)	37.0	4.93
		e	01 18 32	JZ	.7	2.2 (1)		
14	MV	eP	01 20 32.0	Z	0.7	3.4 (0)	54.0	4.50
14	LC	eP	01 21 52.0	Z	0.9	6.7 (0)	67.0	4.73
14	HW	eL	01 32 25	LZ	29	5.1 (2)	48.0	
							AVG.	4.94
14	04 17 50.5		28.8 S 176.2 W	KERMADEC ISLANDS				
			H =089 KM MAG	4.70- CGS				
14	MV	eP	04 30 22.5	Z	0.7	3.4 (0)	85.0	4.43
		eLR	04 56 55	LZ	22	6.3 (2)		
14	HW	eL	04 42 48	LZ	22	4.4 (2)	52.0	
14	LC	eL	05 00 30	LR	22	2.0 (2)	90.0	
14	LV	eL	05 06 20	LZ	23	4.0 (2)	100.0	
14	RK	eL	06 10 20	LR	22	2.5 (2)		
14	08 24 47.*		03.1 S 104.5 E	SUMATRA				
			H =344 KM MAG	4.90- CGS				
14	08 53 09.9		47.9 N 145.6 E	SEA OF OKHOTSK				
			H =565 KM MAG	4.10- CGS				
14	10 10 44.7		15.9 S 173.0 W	TONGA ISLANDS				
			H =033 KM MAG	4.50- CGS				
14	LC	eP	10 22 51.2	Z	1.0	3.7 (0)	80.0	4.24
14	10 20 10.3		28.1 S 178.1 W	KERMADEC ISLANDS REGION				
			H =195 KM MAG	4.50- CGS				
14	15 06 35.3		13.6 N 120.5 E	NORTHWEST MINDORO, P. I.				
			H =044 KM MAG	4.50- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	NP	eP	15 19 00.5	JZ	.8	1.1 (1)	84.0	5.01
14	MV	eP	15 25 10.0	Z	0.9	8.0 (0)		
14	15 38 13.8		05.2 S 150.8 E	NEAR N. COAST NEW BRITAIN				
			H =169 KM MAG	5.60- CGS				
14	MV	eP	15 51 04.2	Z	1.2	3.3 (1)	92.0	5.34
		eS	16 01 50	LT	23	1.0 (3)		
		eSS	16 08 00	LT	20	1.1 (3)		
		eLQ	16 15 40	LT	30	1.2 (3)		
		eLR	16 27 10	LZ	18	7.0 (2)		
14	NP	eP	15 51 17.6	JZ	.8	1.3 (1)	95.0	5.30
		ePP	15 55 13	JZ	1.4	2.0 (1)		
14	HW	eS	15 55 50	LR	22	2.1 (3)	58.0	
		eSSS	16 02 28	LT	24	1.3 (3)		
		eL	16 08 02	LZ	21	1.1 (3)		
14	RK	eS	16 04 18	LR	20	6.8 (2)	110.0	
		esS	16 05 31	LR	17	1.0 (3)		
		eSS	16 12 20	LR	25	1.6 (3)		
		esSS	16 13 33	LR	26	2.2 (3)		
		e	16 17 27	LR	21	1.0 (3)		
		eL	16 24 00	LR	25	1.2 (3)		
14	LC	ePKKP1	16 08 03.0	Z	1.0	2.6 (1)	103.0	
		ePKKP2	16 08 42	Z	1.0	7.4 (0)		
		eL	16 21 49	LR	25	3.0 (2)		
14	LV	eSPP	16 08 25	LZ	15	1.1 (3)	116.0	
		eL	16 26 26	LZ	20	3.3 (2)		
		eLR	16 35 14	LZ	25	5.4 (2)		
							AVG.	5.32
14	HW	eP	15 48 30	LZ	14	4.9 (2)		
14	MV	eL	21 04 25	LZ	19	2.8 (2)		
14	LC	eP	21 33 39.2	Z	0.3	8.3 (0)	1.5	
		eS	21 33 57	T	0.4	6.5 (0)		
14	MV	eP	23 36 47.5	Z	0.4	2.4 (0)	2.2	
		e	23 36 51	Z	0.5	1.4 (1)		
		eS	23 37 16	T	0.6	1.2 (1)		
15	01 00 02.5		39.0 N 117.9 W	CENTRAL NEVADA				
			H =015 KM					
15	02 23 47.4		45.3 N 150.6 E	KURILE ISLANDS				
			H =045 KM MAG	5.30- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	NP	eP	02 32 11.7	JZ	1	4.5 (1)	47.0	5.42
15	RK	eP	02 34 50.0	Z	0.8	2.5 (1)	69.0	5.32
15	LC	eP	02 35 31.9	Z	0.7	6.2 (0)	76.0	4.71
15	DH	eP	02 36 13.4	Z	0.8	2.4 (1)	84.0	5.36
15	LV	eP	02 36 17.2	Z	1.1	5.1 (1)	84.0	5.54
15	HW	eL	02 47 20	LZ	26	6.8 (2)	51.0	
							AVG.	5.27

15 07 37 22.* 07.6 S 108.6 W SOUTHWEST OF GALAPAGOS IS.
H =033 KM MAG 4.40- CGS

15 08 10 57.2 21.3 N 143.4 E MARIANA ISLANDS REGION
H =025 KM MAG 4.80- CGS

15 08 25 32.* 07.1 S 154.8 E SOLOMON ISLANDS REGION
H =055 KM MAG 4.90- CGS

15	NP	eP	13 56 09.1	JZ	1	1.9 (1)		

15 17 40 01.* 25.2 N 95.5 E BURMA
H =078 KM MAG 4.00- CGS

15 18 46 32.9 28.4 S 178.4 W KERMADEC ISLANDS
H =211 KM MAG 4.70- CGS

15	LC	eP	18 59 12.5	Z	0.1	1.4 (1)	91.0	5.95
15	LC	eP	20 01 31.4	Z	0.4	1.3 (0)	3.0	
		eS	20 02 08	T	0.4	1.0 (1)		
15	LC	eP	20 39 21.0	Z	0.3	1.3 (0)	3.1	
		e	20 39 26	Z	0.2	4.0 (0)		
		eS	20 40 00	T	0.3	9.2 (0)		

15 21 26 43.2 23.7 N 45.0 W NORTH ATLANTIC OCEAN
H =033 KM MAG 4.70- CGS

15	LC	eP	21 36 10.0	Z	1.0	7.4 (0)	54.0	4.67
15	NP	eP	21 37 12.1	JZ	1	9.5 (0)	63.0	4.81
15	DH	eL	21 39 45	LT	27	9.2 (2)	31.0	
							AVG.	4.74

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	21 36 05.0		29.1 N 140.8 E SOUTH OF HONSHU, JAPAN H =070 KM MAG 6.75- PAS					
15	HW	eP	21 45 55.3	Z	1.2	7.2 (2)	58.0	6.58
		eP	21 45 56	LZ	22	1.7 (3)		
		e	21 46 10	Z	0.7	1.4 (2)		
		eS	21 53 50	LR	20	3.1 (3)		
		eLQ	21 59 45	LR	21	3.8 (3)		
		eLR	22 02 05	LZ	27	1.1 (4)		
15	NP	iP	21 46 34.3C	JZ	.5	1.5 (2)	64.0	6.29
		eP	21 46 35	LZ	23	1.5 (3)		
		ePP	21 48 54	JZ	1.6	2.7 (2)		
		ePP	21 49 05	LZ	20	9.3 (2)		
		ePPP	21 50 41	JZ	2.5	3.7 (1)		
		eS	21 55 10	LT	39	7.7 (3)		
		eSP	21 55 48	LZ	35	1.1 (3)		
		eSS	21 59 51	LT	30	4.1 (3)		
		eLQ	22 02 42	LR	29	1.5 (4)		
		eLR	22 07 15	LZ	35	9.9 (3)		
15	MV	iP	21 47 56.2C	Z	0.5	8.4 (1)	78.0	5.92
		iP	21 47 57 C	LZ	21	1.8 (3)		
		e	21 48 15	Z	0.5	7.1 (1)		
		ePP	21 51 05	LZ	20	6.6 (2)		
		e	21 57 45	LZ	24	2.2 (3)		
		eSS	22 02 10	LR	27	1.5 (3)		
		e	22 07 40	LT	23	3.9 (3)		
		eL	22 10 45	LZ	34	9.8 (3)		
15	RK	eP	21 48 43.0	Z	0.6	3.1 (1)	87.0	5.59
		e	21 48 43	LR	20	5.2 (2)		
		e	21 51 10	LR	25	7.3 (2)		
		eSKS	21 59 10	LT	19	2.6 (3)		
		eSS	22 05 32	LT	23	2.7 (3)		
		eSSS	22 08 20	LR	24	1.8 (3)		
		eL	22 10 50	LR	20	99.9 (9)		
15	LC	iP	21 49 06.0C	Z	0.6	3.6 (1)	92.0	5.89
		eP	21 49 06	LZ	21	1.2 (3)		
		e	21 49 17	Z	1.0	7.9 (1)		
		ePP	21 52 41	Z	1.3	3.9 (1)		
		ePP	21 52 42	LZ	22	1.0 (3)		
		ePPP	21 54 12	LZ	24	6.7 (2)		
		eS	21 59 40	LR	20	1.1 (3)		
		ePS	22 01 12	LR	22	3.1 (3)		
		eSS	22 06 30	LR	24	1.7 (3)		
		eSSS	22 10 20	LR	24	1.8 (3)		
		eLQ	22 13 36	LT	29	2.6 (3)		
		eLR	22 17 50	LZ	40	7.7 (3)		
15	DH	e	21 54 08	LT	23	1.3 (3)	102.0	
		eSKS	22 00 46	LT	16	9.2 (2)		
		ePS	22 03 14	LT	21	1.3 (3)		
		ePPS	22 04 03	LT	24	1.2 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	22 08 30	LT	20	1.0 (3)		
							AVG.	6.13
15	NP	eP	22 15 01.9	JZ	2.3	7.4 (1)		
15	22 43 14.3		14.6 S 166.8 E	NEW HEBRIDES ISLANDS				
			H =055 KM MAG	4.50- CGS				
15	23 05 02.*		17.4 S 179.7 E	FIJI ISLANDS REGION				
			H =599 KM MAG	4.30- CGS				
15	23 06 36.*		45.8 N 119.9 W	OREGON WASHINGTON BORDER				
			H =031 KM MAG	4.20- CGS				
16	NP	eL	00 16 05	LZ	27	9.2 (2)		
16	05 09 57.8		36.8 N 89.5 W	SOUTHEASTERN MISSOURI				
			H =018 KM					
16	10 50 36.*		50.5 N 154.0 E	KURILE ISLANDS REGION				
			H =203 KM MAG	4.80- CGS				
16	NP	eP	10 57 59.4	JZ	.5	1.2 (1)	41.0	4.68
16	RK	tP	11 00 46.5D	Z	0.5	1.0 (1)	64.0	4.83
							AVG.	4.75
16	11 44 41.8		21.5 S 179.1 W	FIJI ISLANDS REGION				
			H =609 KM MAG	4.40- CGS				
16	14 37 37.3		30.4 S 69.5 W	SAN JUAN PROV., ARGENTINA				
			H =033 KM MAG	4.00- CGS				
16	LC	eP	14 48 58.0	Z	0.6	3.2 (0)	72.0	4.53
		eL	15 14 30	LZ	20	2.2 (2)		
16	RK	eP	14 50 04.9	Z	0.5	3.5 (0)	84.0	4.76
							AVG.	4.64
16	NP	eP	16 07 30.9	JZ	1	5.1 (1)		
16	NP	e	16 08 55	JZ	1.2	1.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	NP	e	16 10 27	JZ	2	5.7 (1)		
16	NP	e	16 22 19	JZ	2.1	4.3 (1)		
16	DH	eL	16 28 26	LZ	22	5.1 (2)		
16	17 10 41.*		52.5 N 162.9 E	OFF E. COAST OF KAMCHATKA				
			H =033 KM MAG	4.20- CGS				
16	17 53 39.7		55.3 N 160.1 E	KAMCHATKA				
			H =033 KM MAG	4.40- CGS				
16	DH	eP	19 22 45.6	Z	0.4	2.8 (1)	1.6	
		eS	19 23 08	R	0.4	9.3 (1)		
16	LC	iP	19 47 22.5D	Z	0.2	5.3 (0)	1.5	
		eS	19 47 42	R	0.4	6.5 (0)		
16	LC	iP	20 29 58.7D	Z	0.2	1.0 (1)	0.6	
		eS	20 30 07	R	0.4	4.2 (1)		
16	20 56 56.4		17.6 N 61.8 W	LEEWARD ISLANDS				
			H =045 KM MAG	4.30- CGS				
16	RK	eP	21 04 43.8	Z	0.5	5.3 (0)	42.0	4.58
		eL	21 15 34	LR	35	3.9 (2)		
16	NP	eP	21 07 36.8	JZ	.6	1.6 (1)	66.0	5.30
16	DH	eL	21 08 14	LT	30	4.3 (2)	27.0	
16	LV	eL	21 12 30	LZ	29	4.0 (2)	31.0	
16	LC	eL	21 19 25	LZ	25	2.7 (2)	43.0	
16	MV	eL	21 26 07	LZ	28	2.0 (2)	56.0	
							AVG.	4.94
16	RK	eP	21 37 49.5	Z	0.4	5.1 (0)	1.5	
		eS	21 38 08	T	0.5	6.0 (0)		
16	23 10 34.4		37.3 N 134.8 E	SEA OF JAPAN				
			H =380 KM MAG	4.10- CGS				
17	00 15 06.5		38.2 N 112.7 W	SOUTHWESTERN UTAH				
			H =033 KM					
17	00 15 37.6		38.2 N 112.7 W	SOUTHWESTERN UTAH				
			H =033 KM					
17	00 24 41.*		17.5 N 99.8 W	GUERRERO, MEXICO				
			H =033 KM MAG	4.00- CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	LC	eP	00 28 25.4	Z	1.0	4.9 (0)	16.0	3.63
		eL	00 34 56	LZ	17	4.3 (2)		
17	RK	eP	01 04 42.1	Z	0.9	3.7 (0)		
17	HW	eP	01 41 01.8	Z	0.3	99.9 (9)		
17	02 54 22.6		45.4 N 151.3 E KURILE ISLANDS					
			H =055 KM MAG 5.10- CGS					
17	NP	eP	03 02 45.9	JZ	1	1.1 (1)	46.0	4.75
17	MV	eP	03 04 38.1	Z	1.3	1.6 (1)	62.0	4.99
		eL	03 19 11	LZ	17	5.1 (2)		
17	RK	eP	03 05 22.0	Z	0.8	1.0 (1)	69.0	4.89
		eL	03 29 14	LR	24	9.3 (2)		
17	LC	eP	03 06 00.5	Z	0.9	1.9 (0)	75.0	4.02
17	DH	eP	03 06 45.5	Z	1.3	5.9 (1)	84.0	5.50
							AVG.	4.99
17	02 54 26.8		21.6 S 169.9 E LOYALTY ISLANDS REGION					
			H =033 KM					
17	HW	eP	03 03 50	LZ	18	1.0 (3)	53.0	
		ePS	03 11 35	LR	22	3.3 (3)		
		eSS	03 15 21	LR	25	1.4 (3)		
		eLQ	03 17 34	LR	23	1.1 (3)		
		eLR	03 19 06	LZ	23	3.4 (3)		
17	MV	eP	03 07 16.8	Z	0.9	9.0 (0)	88.0	5.00
		eP	03 07 19	LZ	17	5.6 (2)		
		eSS	03 23 49	LT	22	6.5 (2)		
		eSSS	03 27 41	LR	24	2.9 (2)		
		eLQ	03 30 56	LR	23	6.0 (2)		
		eLR	03 34 40	LZ	25	1.0 (3)		
17	LC	eP	03 07 52	LZ	18	3.4 (2)	96.0	
		ePP	03 11 46	LZ	21	3.1 (2)		
		ePPS	03 21 45	LR	19	1.7 (3)		
		e	03 27 16	LR	22	1.2 (3)		
		eLR	03 40 02	LZ	24	1.1 (3)		
17	DH	eL	03 56 58	LZ	24	1.2 (3)	123.0	
17	03 13 56.3		12.3 S 167.1 E SANTA CRUZ ISLANDS					
			H =230 KM MAG 4.70- CGS					
17	MV	eP	03 26 01.6	Z	1.1	1.7 (1)	84.0	4.72
17	LC	eP	03 26 45.4	Z	0.7	1.8 (0)	93.0	4.30

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.51
17	03 25 00.6		36.8 N 71.4 E HINDU KUSH					
			H =094 KM MAG 5.20- CGS					
17	NP	eP	03 35 45.1	JZ	.6	4.3 (1)	67.0	5.58
17	RK	eP	03 37 58.8	Z	1.0	4.7 (0)	92.0	4.78
							AVG.	5.11
17	RK	eP	05 49 16.5	Z	1.0	4.7 (0)		
17	06 02 20.*		40.4 N 124.6 W NEAR HUMBOLDT CTY., CALIF.					
			H =033 KM MAG 4.30- CGS					
17	MV	iP	06 03 01.9D	Z	0.4	1.3 (1)	2.8	
		eL	06 03 34	T	0.4	1.9 (1)		
17	07 08 28.*		31.1 N 114.2 W GULF OF CALIFORNIA					
			H =014 KM MAG 4.30- CGS					
17	LC	eP	07 10 06.3	Z	0.8	7.6 (0)	6.6	4.50
		eL	07 11 51	LT	16	1.9 (3)		
		eL	07 11 58	R	0.9	1.5 (1)		
17	MV	eL	07 13 35	LT	18	8.0 (2)	10.0	
17	RK	eP	07 13 56.2	Z	0.8	4.4 (0)	25.0	4.20
		eL	07 21 53	LT	20	4.5 (2)		
17	DH	eL	07 25 31	LT	16	8.6 (2)	33.0	
							AVG.	4.35
17	MV	eP	07 51 04.4	Z	0.4	4.1 (0)	2.6	
		eS	07 51 38	T	0.6	7.7 (0)		
17	09 32 51.6		11.4 S 162.4 E SOLOMON ISLANDS					
			H =033 KM MAG 4.70- CGS					
17	LC	eL	10 20 56	LZ	21	1.1 (2)	97.0	
17	12 14 15.8		24.3 S 177.0 W TONGA ISLANDS REGION					
			H =051 KM MAG 4.70- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	LC	eP	12 27 00.1	Z	1.2	1.6 (1)	88.0	5.07
		e	12 27 37	Z	1.3	7.4 (0)		
17	RK	eP	13 13 39.4	Z	0.9	5.6 (0)		
17	13 27 22.*		03.4 S 77.5 W NORTHERN PERU					
			H =033 KM MAG 4.10- CGS					
17	DH	eP	14 48 56.3	Z	0.3	7.4 (0)	1.5	
		eS	14 49 17	R	0.4	2.3 (1)		
17	LC	eP	16 05 50.7	Z	1.1	4.7 (0)		
17	17 13 30.3		10.8 S 167.7 E SANTA CRUZ ISLANDS					
			H =114 KM					
17	LC	eL	17 58 52	LZ	21	1.1 (2)	92.0	
17	LC	eL	19 00 49	LZ	17	1.0 (2)		
17	LC	eP	19 41 48.6	Z	0.2	1.7 (0)	2.4	
		eS	19 42 20	T	0.4	6.5 (0)		
17	LC	eP	19 55 01.6	Z	0.2	3.0 (1)	1.4	
		eS	19 55 21	T	0.4	1.7 (1)		
17	20 15 17.6		39.1 N 114.2 W EASTERN NEVADA					
			H =033 KM					
17	DH	eP	21 15 03.0	Z	0.5	1.5 (1)		
17	22 18 13.*		16.6 N 98.7 W GUERRERO, MEXICO					
			H =033 KM MAG 4.20- CGS					
17	LC	eP	22 22 13.9	Z	0.6	1.0 (0)	17.0	3.18
		eL	22 27 49	LR	14	8.7 (2)		
18	00 10 51.*		21.7 S 67.8 W BOLIVIA CHILE BORDER REG.					
			H =130 KM MAG 3.80- CGS					
18	04 14 37.7		30.0 S 177.9 W KERMADEC ISLANDS					
			H =047 KM MAG 4.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	06 53 01.3		17.9 S 69.5 W BOLIVIA CHILE PERU REGION					
			H =157 KM MAG 3.80- CGS					
18	07 10 22.*		32.5 S 103.7 W EASTER ISLAND REGION					
			H =033 KM MAG 4.50- CGS					
18	LC	eP	07 21 09.3	Z	0.9	1.9 (0)	65.0	4.24
18	12 04 40.0		23.1 N 120.5 E TAIWAN					
			H =033 KM MAG 6.75-7.00 BKS					
18	NP	eP	12 16 14.0	JZ	.9	4.1 (1)	74.0	5.39
		eP	12 16 16	LZ	19	1.4 (3)		
		ePP	12 18 58	JZ	1.4	4.1 (1)		
		e	12 20 19	JZ	1.8	4.8 (1)		
		e	12 22 12	JZ	2.4	1.0 (2)		
		eS	12 25 48	LT	18	3.4 (3)		
		eLQ	12 36 28	LT	25	3.4 (3)		
		eLR	12 42 30	LZ	33	1.0 (4)		
18	HW	eP	12 16 31.4	Z	0.8	5.1 (1)	77.0	5.61
		eP	12 16 32	LZ	14	1.1 (3)		
		eS	12 26 19	LR	19	4.1 (3)		
		eLQ	12 36 28	LR	26	8.3 (3)		
		eLR	12 40 05	LZ	25	9.1 (3)		
		eL	12 44 02	LT	25	6.7 (3)		
		eL	12 44 02	LR	22	7.1 (3)		
		eL	12 44 02	LZ	23	8.5 (3)		
18	MV	eP	12 18 00.5	Z	0.8	8.5 (0)	95.0	5.23
		eP	12 18 01	LZ	16	6.9 (2)		
		e	12 18 36	Z	1.0	2.4 (1)		
		ePP	12 21 49	Z	2.5	1.5 (2)		
		eSKS	12 28 40	LR	16	2.1 (3)		
		e	12 34 42	LR	17	1.2 (3)		
		eL	12 48 00	LZ	28	2.5 (3)		
18	LC	ePD	12 19 10.5	Z	1.0	2.5 (0)	109.0	
		e	12 19 42	LZ	18	1.3 (2)		
		e	12 22 22	Z	1.1	3.2 (0)		
		ePP	12 23 35	LZ	26	6.4 (2)		
		ePP	12 23 37	Z	2.0	5.6 (1)		
		eSKS	12 29 17	LR	19	1.8 (3)		
		ePS	12 33 00	LR	22	1.0 (3)		
		ePKKP	12 34 19	Z	1.0	3.7 (0)		
		eSS	12 38 52	LR	27	2.4 (3)		
		e	12 41 25	LR	28	1.9 (3)		
		eLQ	12 50 16	LT	40	4.4 (3)		
		eLR	12 55 20	LZ	38	3.8 (3)		
18	LV	ePP	12 24 35	LZ	19	8.1 (2)	117.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	13 00 40	LZ	24	2.6 (3)		
18	DH	e	12 31 37	LR	18	1.3 (3)	113.0	
		ePS	12 33 47	LT	24	1.8 (3)		
		ePKKP	12 34 04	Z	0.7	1.0 (1)		
		eSS	12 40 00	LR	25	2.3 (3)		
		e	12 47 27	LR	23	1.5 (3)		
		eLQ	12 55 09	LR	32	6.8 (3)		
		eLR	13 04 00	LZ	25	99.9 (9)		
							AVG.	5.52

18	12 32 36.3		23.5 N 122.9 E	OFF EAST COAST OF TAIWAN				
			H =033 KM MAG	4.80- CGS				
18	NP	eP	12 44 13.5	JZ	.4	1.2 (0)	74.0	4.23
18	13 43 05.6		23.1 N 120.8 E	SOUTHWESTERN TAIWAN				
			H =031 KM MAG	4.50- CGS				
18	14 40 54.6		15.2 N 94.2 W	OFF CST. CHIAPAS, MEXICO				
			H =033 KM MAG	4.60- CGS				
18	LC	eP	14 45 32.0	Z	1.0	1.5 (1)	21.0	4.28
18	NP	eP	14 51 16.4	JZ	1.3	2.1 (1)	62.0	5.15
							AVG.	4.71
18	14 45 39.4		20.6 N 122.1 E	BATAN ISLANDS				
			H =018 KM MAG	4.90- CGS				
18	15 17 47.5		13.5 N 143.8 E	MARIANA ISLANDS				
			H =033 KM MAG	4.80- CGS				
18	DH	eP	16 25 18.1	Z	0.2	4.7 (0)	1.8	
		eS	16 25 42	R	0.3	1.4 (1)		
18	16 45 54.*		06.9 S 129.3 E	BANDA SEA				
			H =084 KM					
18	DH	eP	16 56 02.0	Z	0.2	4.7 (0)	1.9	
		eS	16 56 28	R	0.2	2.7 (1)		
18	DH	eP	18 12 57.0	Z	0.2	4.7 (0)	2.0	
		eS	18 13 24	T	0.3	6.7 (0)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	18 44 05.0		25.1 S 176.9 W	KERMADEC ISLANDS REGION				
			H =033 KM MAG	4.60- CGS				
18	LC	eP	18 56 53.0	Z	1.1	9.6 (0)	88.0	4.94
18	LC	eP	20 11 08.5	Z	0.2	1.8 (1)	1.5	
		eS	20 11 28	T	0.3	2.0 (1)		
18	21 57 14.4		16.1 N 89.3 W	GUATEMALA BRITISH HONDURAS				
			H =033 KM MAG	3.80- CGS				
18	22 36 17.6		18.8 N 69.4 W	DOMINICAN REPUBLIC				
			H =095 KM MAG	5.30- CGS				
18	DH	eP	22 41 24.1	Z	1.5	1.4 (2)	24.0	5.19
		epP	22 41 49	Z	0.9	4.6 (1)		
		e	22 45 49	R	1.0	8.8 (1)		
18	LV	eP	22 41 28.0	Z	1.0	1.8 (2)	24.0	5.47
		epP	22 41 51	Z	1.0	1.8 (2)		
		eL	22 45 53	LZ	24	1.0 (3)		
18	LC	eP	22 43 10.9	Z	0.9	99.9 (9)	36.0	
		epP	22 43 34	Z	1.0	3.4 (1)		
		e	22 43 45	Z	1.0	4.5 (1)		
		eL	22 49 57	LZ	24	1.9 (2)		
18	MV	eP	22 44 56.4	Z	0.8	8.8 (1)	49.0	5.75
		epP	22 45 24	Z	1.0	5.6 (1)		
		e	22 45 35	Z	0.8	4.6 (1)		
		eL	23 02 30	LR	25	1.1 (3)		
		eL	23 04 40	LR	29	1.5 (3)		
18	NP	eP	22 46 33.8	JZ	.9	6.9 (1)	63.0	5.60
18	HW	eP	22 48 19.5	Z	0.9	1.3 (2)	80.0	5.77
							AVG.	5.45

19	01 58 24.*		18.5 S 178.3 W	FIJI ISLANDS				
			H =600 KM MAG	4.10- CGS				
19	02 27 07.*		39.1 S 72.4 W	NEAR COAST SOUTHERN CHILE				
			H =033 KM MAG	4.50- CGS				
19	LC	eP	02 39 06.5	Z	0.9	1.9 (0)	78.0	4.14
		e	02 39 12	Z	1.0	6.3 (0)		
		eL	03 06 37	LZ	18	1.9 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	NP	eP	04 46 32.0	JZ	.9	3.1 (0)		
19	06 49 55.9		58.6 S 25.1 W SANDWICH ISLANDS					
			H =033 KM					
19	RK	eP'	07 08 48.4	Z	0.8	1.0 (1)	123.0	4.28
19	MV	eP'	07 08 56.1	Z	0.9	8.1 (0)	125.0	
19	NP	eP'1	07 09 34.4	JZ	.8	3.6 (1)	147.0	
		e	07 10 08	JZ	1	3.9 (1)		
19	07 00 03.3		09.2 S 158.2 E SOLOMON ISLANDS					
			H =032 KM MAG 5.70- CGS					
19	MV	eP	07 12 53.0	Z	1.0	5.1 (0)	88.0	4.72
19	HW	eL	07 25 29	LZ	25	4.9 (2)	54.0	
19	LV	eL	07 45 06	LZ	29	7.0 (2)	112.0	
19	LC	eL	07 46 25	LZ	28	1.0 (3)	99.0	
19	07 55 09.*		05.9 S 134.1 E AROE ISLANDS					
			H =033 KM MAG 4.70- CGS					
19	LC	eL	09 05 13	LZ	21	1.0 (2)	118.0	
19	08 47 10.*		21.8 N 120.9 E NEAR SOUTH COAST OF TAIWAN					
			H =018 KM MAG 4.60- CGS					
19	09 13 53.5		26.9 N 54.0 E NEAR COAST OF S. IRAN					
			H =033 KM MAG 5.60- CGS					
19	NP	iP	09 25 45.1C	JZ	.9	5.0 (1)	77.0	5.55
		ePP	09 28 39	JZ	1.3			
19	LC	eP'	09 32 44.1	Z	0.9	1.9 (0)	118.0	
19	RK	eL	09 53 01	LR	18	3.8 (2)	97.0	
		eL	10 01 51	LT	34	5.8 (2)		
							AVG.	5.60
19	09 34 11.1		04.2 S 152.8 E SOLOMON ISLANDS					
			H =033 KM MAG 5.10- CGS					
19	LV	eL	10 16 25	LZ	28	7.6 (2)	114.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	LC	eL	10 18 44	LR	19	3.3 (2)	101.0	
19	DH	eP	12 17 00.9	Z	0.6	8.3 (0)		
19	NP	eP	12 50 59.2	JZ	.7	7.2 (0)		
19	RK	eP	12 53 01.1	Z	0.6	2.0 (0)		
19	LC	eP	12 54 08.6	Z	0.9	1.9 (0)		
19	16 12 50.0		23.0 N 120.4 E TAIWAN					
			H =033 KM MAG 4.80- CGS					
19	NP	eP	16 24 24.5	JZ	1.2	7.9 (0)	75.0	4.55
19	17 01 16.*		45.2 N 141.4 E NORTHERN HOKKAIDO, JAPAN					
			H =136 KM MAG 4.00- CGS					
19	17 10 46.1		44.1 N 145.0 E E. COAST HOKKAIDO, JAPAN					
			H =033 KM MAG 4.60- CGS					
19	RK	eP	17 22 12.3	Z	1.1	1.2 (1)	73.0	4.85
		eL	17 41 20	LT	28	1.4 (2)		
19	HW	eL	17 38 47	LZ	18	2.3 (2)	54.0	
19	LC	eP	21 14 25.4	Z	0.3	1.3 (1)	1.4	
		eS	21 14 44	R	0.5	1.8 (1)		
19	LC	eP	22 26 45.5	Z	0.6	1.0 (0)		
19	LC	eL	22 28 50	R	0.8	3.0 (0)		
19	23 05 38.*		45.9 N 149.9 E KURILE ISLANDS					
			H =050 KM MAG 4.10- CGS					
19	LC	eP	23 34 52.6	Z	1.0	5.0 (0)	76.0	4.45
		ePP	23 36 56	Z	1.1	4.8 (0)		
19	23 22 19.1		18.3 S 176.9 W FIJI ISLANDS					
			H =048 KM MAG 4.50- CGS					
20	00 15 48.4		30.2 S 177.8 W KERMADEC ISLANDS REGION					
			H =035 KM MAG 4.40- CGS					
20	02 27 26.*		20.7 S 178.4 W FIJI ISLANDS REGION					
			H =600 KM MAG 4.30- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	04 46 59.7		08.2 N 126.6 E E. COAST MINDANAO, P. I. H =110 KM MAG 4.90- CGS					
20	NP	iP	04 59 38.0C	JZ	.8	4.2 (1)	88.0	5.50
20	LV	eP	04 49 59.0	Z	0.7	3.3 (1)		
20	NP	eP	10 40 20.5	JZ	1.2	1.9 (1)		
20	NP	eP	11 05 05.8	JZ	1.2	6.4 (0)		
20	RK	eP	13 01 07.3	Z	0.5	3.8 (0)		
20	13 46 08.3		00.9 N 126.2 E CELEBES REGION H =033 KM MAG 4.30- CGS					
20	15 39 41.5		23.2 N 120.3 E TAIWAN H =049 KM MAG 5.10- CGS					
20	NP	eP	15 51 17.3	JZ	1	1.9 (1)	74.0	4.99
20	NP	eP	16 22 22.1	JZ	.9	9.8 (0)		
20	17 08 37.4		20.7 S 169.9 E LOYALTY ISLANDS REGION H =141 KM MAG 6.75- PAS					
20	HW	eP	17 17 38.5	Z	1.4	6.9 (2)	53.0	6.33
		eP	17 17 39	LZ	17	2.3 (3)		
		epP	17 18 13	Z	1.4	6.9 (2)		
		eS	17 24 51	LR	18	99.9 (9)		
		e	17 31 07	LR	21	5.2 (3)		
		eLQ	17 32 47	LR	34	1.5 (4)		
		eLR	17 36 33	LZ	20	3.4 (3)		
		eL	17 41 00	LR	18	7.7 (3)		
		eL	17 41 00	LT	19	1.7 (3)		
		eL	17 41 00	LZ	18	6.3 (3)		
20	MV	eP	17 21 11.0	Z	1.0	2.3 (2)	88.0	6.08
		epP	17 21 45	Z	1.1	1.1 (2)		
		e	17 23 27	Z	1.5	4.9 (1)		
		ePP	17 24 29	Z	1.5	4.9 (1)		
20	NP	ePD	17 22 32.0	JZ	1	8.0 (0)	106.0	
		ePP	17 26 53	JZ	1.1	4.0 (1)		
		e	17 27 28	LZ	15	7.4 (2)		
		e	17 35 58	LZ	22	1.7 (3)		
		ePKKP1	17 38 10	JZ	.7	1.7 (1)		
		ePKKP2	17 38 25	JZ	1.1	4.2 (1)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	17 42 19	JZ	.8	6.1 (0)		
		e	17 46 09	JZ	3.2	4.3 (2)		
		eLR	17 58 20	LZ	31	5.8 (3)		
20	LV	ePD	17 22 43	LZ	18	7.5 (2)	107.0	
		ePP	17 27 10	LZ	22	9.1 (2)		
		e	17 28 08	LZ	15	1.6 (3)		
		eSP	17 36 30	LZ	24	1.4 (3)		
		eSPP	17 37 22	LZ	21	3.2 (3)		
		eL	17 53 05	LZ	26	2.3 (3)		
		eLR	17 59 10	LZ	29	5.8 (3)		
20	RK	ePD	17 22 53.0	Z	0.8	3.1 (0)	110.0	
		e	17 26 02	Z	1.0	5.0 (0)		
		eP'	17 26 50	Z	1.1	4.8 (1)		
		eSKS	17 34 13	LT	22	1.5 (3)		
		ePS	17 37 13	LT	28	1.6 (3)		
		ePKKP	17 37 55	Z	0.9	2.7 (1)		
		eSS	17 42 40	LT	23	99.9 (9)		
		eSSS	17 47 15	LT	34	3.4 (3)		
		eLR	18 05 05	LT	25	99.9 (9)		
20	DH	eP'	17 27 15.0	Z	1.0	1.5 (2)	122.0	
		ePP	17 28 53	Z	1.4	1.1 (2)		
						AVG.		6.20
20	DH	eP	18 59 39.2	Z	0.2	4.6 (0)	4.6	
		eS	19 00 35	R	0.3	2.5 (1)		
20	RK	eP	19 04 01.0	Z	0.4	0.9 (0)		
20	DH	eP	19 05 03.4	Z	0.2	1.8 (1)	1.8	
		eS	19 05 27	R	0.3	2.2 (1)		
20	RK	eL	19 05 36	T	0.6	5.7 (0)		
20	20 30 12.6		16.8 N 98.5 W COAST GUERRERO, MEXICO H =033 KM MAG 4.30- CGS					
20	RK	eP	20 36 56.5	Z	1.0	5.0 (0)	34.0	4.37
20	NP	iP	20 40 20.2C	JZ	1.2	1.7 (1)	60.0	4.99
						AVG.		4.68
20	20 38 16.5		18.8 N 120.7 E NEAR N. COAST LUZON, P. I. H =053 KM MAG 4.80- CGS					
20	NP	eP	20 50 13.5	JZ	1.2	1.2 (1)	79.0	4.72
20	RK	eP	20 59 30.0	Z	0.2	2.3 (0)	2.4	
		eS	21 00 00	R	0.3	7.4 (0)		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
20			30.0 S	177.9 W	KERMADEC ISLANDS REGION				
			H =044 KM	MAG	5.10-	CGS			
20	NP	eP	23 17 47.6		JZ	1.1	1.1 (2)		
21	12	35 00.*	19.7 S	69.1 W	NORTHERN CHILE				
			H =161 KM	MAG	4.10-	CGS			
21	RK	eP	13 03 42.1		Z	0.3	5.1 (0)	2.4	
		eS	13 04 12		T	0.3	4.9 (1)		
21	15	43 50.*	16.6 N	86.4 W	NEAR NORTH COAST HONDURAS				
			H =033 KM	MAG	3.80-	CGS			
21	16	14 25.6	15.0 N	60.8 W	LEEWARD ISLANDS				
			H =082 KM	MAG	4.10-	CGS			
21	NP	eP	16 25 19.9		JZ	.5	2.7 (0)	68.0	4.41
21	NP	eP	17 40 55.0		JZ	.9	2.9 (0)		
21	18	57 47.3	41.4 S	87.8 W	OFF COAST SOUTHERN CHILE				
			H =033 KM	MAG	4.50-	CGS			
21	21	02 20.0	52.2 N	172.4 E	NEAR ISLANDS, ALEUTIAN IS.				
			H =033 KM	MAG	4.60-	CGS			
21	NP	eP	21 09 10.0		JZ	.6	3.0 (0)	35.0	4.40
21	22	18 13.0	10.6 N	125.3 E	NEAR COAST LEYTE, P. I.				
			H =053 KM	MAG	5.20-	CGS			
21	NP	eP	22 30 48.9		JZ	.8	2.3 (1)	86.0	5.26
21	HW	eLR	22 53 46		LZ	28	4.6 (2)	76.0	
21	23	31 42.3	39.2 N	114.2 W	EASTERN NEVADA				
			H =033 KM	MAG	3.90-	CGS			

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
22	02	15 29.1	45.8 S	75.2 W	NEAR COAST SOUTHERN CHILE				
			H =033 KM	MAG	4.70-	CGS			
22	HW	eLR	03 00 45		LZ	22	3.1 (2)	98.0	
22	06	46 36.4	30.6 S	178.0 W	KERMADEC ISLANDS REGION				
			H =166 KM	MAG	4.00-	CGS			
22	08	19 58.*	21.6 S	169.7 E	LOYALTY ISLANDS REGION				
			H =033 KM	MAG	4.30-	CGS			
22	09	12 03.4	04.2 S	136.2 E	WESTERN NEW GUINEA				
			H =071 KM	MAG	5.10-	CGS			
22	13	44 20.*	47.7 N	152.8 E	KURILE ISLANDS				
			H =033 KM	MAG	4.20-	CGS			
22	RK	eP	14 10 59.4		Z	0.8	4.5 (0)		
22	15	58 46.5	22.4 N	93.6 E	BURMA				
			H =088 KM	MAG	6.10-	CGS			
22	NP	iP	16 10 45.5D		JZ	1.3	1.1 (2)	80.0	5.57
		ePP	16 13 45		JZ	1.6	4.8 (1)		
		eS	16 20 41		T	2.4	6.4 (2)		
22	RK	ePP	16 17 12		Z	0.7	3.7 (0)	107.0	
		ePPP	16 19 44		Z	0.9	3.8 (0)		
		eL	16 55 07		LT	35	1.0 (3)		
22	HW	eLR	16 47 10		LZ	31	1.2 (3)	100.0	
								AVG.	5.80
22	17	41 50.*	04.0 S	133.9 E	S. COAST OF W. NEW GUINEA				
			H =033 KM						
22	17	58 16.3	20.2 N	147.1 E	MARIANA ISLANDS REGION				
			H =039 KM	MAG	5.10-	CGS			
22	NP	eP	18 09 33.8		JZ	1.1	2.3 (1)	71.0	5.12
22	RK	eP	18 11 19.5		Z	1.0	9.8 (0)	91.0	5.05
								AVG.	5.08

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
22	18		48 30.9	07.6 N 126.9 E				EAST COAST MINDANAO, P.I.	
				H =144 KM MAG		4.20-	CGS		
22	20		01 33.*	20.0 S 177.6 W				TONGA ISLANDS REGION	
				H =220 KM MAG		3.90-	CGS		
22	21		10 56.*	44.5 N 114.5 W				CENTRAL IDAHO	
				H =047 KM MAG		3.90-	CGS		
22	21		28 26.*	19.0 N 73.1 W				NEAR WEST COAST OF HAITI	
				H =019 KM MAG		3.80-	CGS		
22	21		40 37.*	50.5 N 173.5 W				ANDREANOF ALEUTIAN ISLANDS	
				H =033 KM MAG		4.30-	CGS		
22	22		19 44.1	15.8 S 175.1 W				FIJI ISLANDS REGION	
				H =307 KM MAG		4.10-	CGS		
22	RK	eL	22 59 08		LZ	28	3.2 (2)	97.0	
22	22		38 03.*	27.1 N 44.1 W				NORTH ATLANTIC OCEAN	
				H =033 KM MAG		4.20-	CGS		
22	NP	eP	22 48 11.0		JZ	.9	4.8 (0)	60.0	4.56
22	23		59 43.6	13.7 S 165.9 E				NEW HEBRIDES ISLANDS	
				H =033 KM MAG		6.00-	CGS		
23	NP	eP	00 13 30		LZ	12	1.8 (3)	100.0	
		e	00 32 15		LZ	23	1.4 (3)		
		eLR	00 47 45		LZ	25	2.0 (3)		
23	01		42 35.*	18.5 N 107.4 W				REVILLA GIGEDO IS. REGION	
				H =033 KM MAG		3.80-	CGS		
23	NP	eP	01 52 25.3		JZ	.4	1.8 (0)	58.0	4.47
23	02		49 22.*	17.7 S 178.6 W				FIJI ISLANDS	
				H =520 KM MAG		3.60-	CGS		

DAY	STA	PHASE	TIME		INST	PER	AMPL	DIST	MAG
23	03		04 50.*	44.4 N 114.5 W				CENTRAL IDAHO	
				H =033 KM MAG		4.10-	CGS		
23	05		17 26.1	30.6 N 137.3 E				SOUTH OF HONSHU, JAPAN	
				H =478 KM MAG		4.00-	CGS		
23	RK	eP	05 29 21.6		Z	0.7	7.3 (0)	87.0	4.55
23	05		56 34.*	08.4 S 13.3 W				ASCENSION ISLAND	
				H =033 KM MAG		4.00-	CGS		
23	09		12 54.*	53.6 N 158.2 E				KAMCHATKA	
				H =033 KM MAG		3.90-	CGS		
23	10		03 22.*	17.8 N 147.0 E				MARIANA ISLANDS	
				H =033 KM MAG		4.20-	CGS		
23	NP	eP	10 14 53.7		JZ	.9	3.2 (0)	74.0	4.29
23	11		38 52.*	02.5 S 80.1 W				NEAR COAST OF ECUADOR	
				H =418 KM MAG		3.60-	CGS		
23	13		43 46.7	28.7 N 139.4 E				BONIN ISLANDS	
				H =417 KM MAG		4.00-	CGS		
23	RK	eP	13 55 52.0		Z	0.7	4.9 (0)	88.0	4.43
23	RK	eP	14 30 50.6		Z	0.6	1.0 (0)		
23	15		19 31.6	36.9 N 71.2 E				HINDU KUSH REGION	
				H =028 KM MAG		4.40-	CGS		
23	NP	eP	15 30 22.3		JZ	.7	1.1 (1)	67.0	5.13
23	16		08 55.5	11.5 N 122.5 E				PANAY ISLAND, P.I.	
				H =047 KM MAG		4.50-	CGS		
23	NP	eP	16 21 28.1		JZ	1	9.3 (0)	85.0	4.83

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	LC	eLR	18 05 25	LZ	27	1.1 (2)		
23	LC	eP	20 36 00.5	Z	0.2	1.8 (1)	1.5	
		eS	20 36 20	T	0.2	1.2 (1)		
23	RK	eP	22 32 49.0	Z	0.2	1.1 (0)	2.5	
		eS	22 33 21	R	0.4	1.4 (1)		
24	02 40 00.1		04.2 S 154.2 E NEW BRITAIN REGION H =416 KM MAG 4.30- CGS					
24	MV	eP	02 50 32.3	Z	0.4	1.4 (1)	1.5	
		eS	02 50 52	R	0.5	2.6 (1)		
24	03 35 36.*		78.4 N 19.5 W NORTHERN GREENLAND H =033 KM MAG 4.20- CGS					
24	NP	eP	03 40 04.5	JZ	1	5.6 (0)	20.0	3.78
24	03 52 29.3		05.9 S 154.0 E NEW BRITAIN REGION H =085 KM					
24	05 31 31.2		64.4 N 126.5 W MACKENZIE MTS., CANADA H =033 KM MAG 3.90- CGS					
24	NP	eP	05 34 24.6	JZ	.4	1.1 (1)	12.0	5.32
		eL	05 36 38	R	0.6	3.7 (1)		
24	RK	eP	05 36 20.8	Z	0.6	3.2 (0)	22.0	3.90
		eL	05 42 41	R	1.0	7.1 (1)		
							AVG.	4.61
24	NP	iP	05 40 00.4D	JZ	.9	5.6 (0)		
24	06 42 53.9		60.4 N 146.5 W NEAR COAST S. ALASKA H =033 KM MAG 3.70- CGS					
24	NP	eP	06 47 08.5	JZ	.5	2.2 (0)	18.0	3.59
24	LC	eL	06 58 00	LZ	26	1.3 (2)	38.0	
24	LV	eL	06 52 14	LZ	23	1.9 (2)		
24	10 00 47.*		35.6 N 74.4 E HINDU KUSH REGION H =215 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	NP	eP	10 11 25.2	JZ	.4	1.8 (0)	68.0	4.17
24	10 33 24.*		23.5 S 179.9 E SOUTH OF FIJI ISLANDS H =550 KM MAG 4.30- CGS					
24	NP	eP	11 05 37.6	JZ	.5	3.9 (0)	1.5	
		eS	11 05 58	R	0.8	7.0 (1)		
24	MV	eP	11 10 03.1	Z	0.4	5.5 (0)	2.4	
		eS	11 10 33	R	0.4	1.3 (1)		
24	MV	eP	12 28 22.8	Z	0.4	7.4 (0)	1.7	
		eS	12 28 46	R	0.6	4.4 (0)		
24	13 33 55.2		05.6 S 146.7 E NEAR COAST NE NEW GUINEA H =141 KM					
24	15 17 03.0		15.0 S 173.1 W TONGA ISLANDS H =033 KM MAG 4.50- CGS					
24	LC	eP	15 29 05.0	Z	0.7	3.1 (0)	79.0	4.39
24	MV	eL	15 50 14	LZ	23	1.0 (2)	72.0	
24	17 17 45.5		38.7 N 129.4 E NEAR EAST COAST OF KOREA H =542 KM MAG 5.30- CGS					
24	NP	iP	17 26 44.0D	JZ	.7	3.1 (1)	58.0	4.71
		epP	17 28 33	JZ	1	1.4 (1)		
		eSCP	17 30 38	JZ	1.1	2.2 (1)		
		eS	17 33 57	R	1.2	9.8 (1)		
24	HW	eP	17 27 40.9	Z	0.9	1.9 (2)	66.0	5.64
		eP	17 27 41	LZ	14	3.7 (2)		
		eS	17 35 52	LT	25	6.9 (2)		
		eSS	17 40 21	LR	22	1.5 (3)		
		eLQ	17 44 36	LT	20	1.0 (3)		
		eLR	17 48 21	LZ	18	4.7 (2)		
24	MV	iP	17 28 53.9C	Z	0.8	5.7 (1)	79.0	5.06
		eP	17 28 54	LZ	15	2.0 (2)		
		epP	17 30 59	Z	1.1	2.8 (1)		
		esP	17 31 46	LZ	17	1.6 (2)		
		eS	17 38 07	T	2.1	6.6 (1)		
		eS	17 38 09	LT	21	5.2 (2)		
		eS	17 38 09	LR	18	3.0 (2)		
		esS	17 41 34	LT	28	6.1 (2)		
		eSS	17 43 44	LR	23	2.4 (2)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	RK	eP	17 29 14.0	Z	0.6	1.8 (1)	83.0	4.78
		epP	17 31 19	Z	1.6	1.2 (2)		
		e	17 38 38	T	1.2	2.0 (1)		
		e	17 38 42	LR	24	8.4 (2)		
		e	17 38 42	LT	21	7.6 (2)		
24	LC	eP	17 29 57.4	Z	0.6	9.6 (0)	92.0	5.01
		epP	17 32 00	Z	1.0	5.0 (0)		
		ePP	17 34 03	Z	1.4	1.8 (1)		
							AVG.	5.04
24	19 53 25.7		17.8 S 178.5 W FIJI ISLANDS H =584 KM MAG 4.40- CGS					
24	LC	eP	20 13 20.5	Z	0.5	2.8 (0)	2.3	
		eS	20 13 51	R	0.5	7.1 (0)		
24	RK	eP	21 04 44.4	Z	0.2	2.3 (0)	3.2	
		eS	21 05 25	T	0.4	2.0 (1)		
24	21 12 23.2		21.7 S 176.2 W TONGA ISLANDS H =032 KM MAG 4.80- CGS					
24	LC	eP	21 25 04.5	Z	0.8	8.5 (0)	86.0	4.87
24	NP	eP	21 16 48.1	JZ	.7	3.4 (0)		
24	MV	eP	21 24 43.2	Z	0.4	2.4 (0)	2.1	
		eS	21 25 11	T	0.4	3.7 (0)		
24	21 31 24.2		44.5 N 150.3 E KURILE ISLANDS H =033 KM MAG 4.70- CGS					
24	NP	eP	21 39 56.1	JZ	.9	2.5 (1)	47.0	5.26
		eL	21 59 10	LZ	25	5.5 (2)		
24	RK	eP	21 42 33.4	Z	0.9	1.1 (1)	70.0	4.92
		eL	22 09 13	LR	25	7.0 (2)		
24	LC	eP	21 43 06.5	Z	1.0	3.7 (0)	76.0	4.38
		e	21 43 22	Z	1.0	6.3 (0)		
		eL	22 10 05	LZ	15	2.1 (2)		
24	HW	eL	21 55 56	LZ	24	4.8 (2)	51.0	
24	MV	eL	22 01 28	LZ	19	1.9 (2)	63.0	
24	LV	eL	22 21 59	LZ	19	4.4 (2)	85.0	
24	DH	eL	22 23 20	LZ	18	6.8 (2)	85.0	
							AVG.	4.93
24	21 44 46.*		23.6 S 179.9 E FIJI ISLANDS H =535 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	22 44 01.*		07.1 S 106.0 E OFF SOUTH COAST OF JAVA H =094 KM MAG 5.50- CGS					
24	MV	eP	23 02 56.5	Z	1.0	8.6 (0)	127.0	
24	DH	eP	23 03 27.0	Z	0.8	5.5 (1)	145.0	
24	RK	eP	23 06 30.9	Z	0.9	9.8 (0)		
25	MV	eLR	01 54 55	LZ	22	8.2 (1)		
25	02 00 06.0		06.3 S 145.6 E NEW BRITAIN REGION H =134 KM					
25	NP	eP	02 46 22.2	JZ	.3	1.6 (0)		
25	03 40 34.9		16.1 S 173.8 W TONGA ISLANDS H =033 KM MAG 4.30- CGS					
25	03 46 39.9		01.2 N 85.3 W GALAPAGOS ISLANDS REGION H =033 KM MAG 3.70- CGS					
25	LC	eP	03 55 44.1	Z	1.2	8.0 (0)	37.0	4.39
		eL	04 07 46	LZ	27	1.1 (2)		
25	MV	eS	04 02 58	LR	28	4.0 (2)	50.0	
		eLR	04 12 10	LZ	34	8.3 (2)		
25	LV	eLR	04 03 00	LZ	27	6.4 (2)	31.0	
25	DH	eL	04 04 00	LR	34	1.2 (3)	42.0	
25	HW	eLR	04 19 45	LZ	22	1.1 (3)	71.0	
25	04 09 13.*		20.2 N 143.8 E MARIANA ISLANDS REGION H =033 KM MAG 4.40- CGS					
25	NP	eP	04 20 36.0	JZ	.4	1.6 (0)	72.0	4.42
25	07 04 32.8		22.6 S 179.7 W FIJI ISLANDS H =600 KM MAG 5.10- CGS					
25	LC	eP	07 16 25.3	Z	0.7	2.4 (0)	89.0	4.15
25	07 13 30.8		28.5 N 86.8 E TIBET H =044 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	NP	eP	07 25 03.9	JZ	.4	1.9 (0)	74.0	4.41
25	NP	eP	08 29 04.4	JZ	.5	1.7 (0)		
25	NP	eP	09 32 55.5	JZ	.5	1.7 (0)		
25	12 09 08.8		28.3 S 176.5 W KERMADEC ISLANDS REGION H =017 KM MAG 4.50- CGS					
25	MV	eLR	12 50 00	LZ	23	1.6 (2)	85.0	
25	DH	eL	13 18 40	LT	26	5.8 (2)	117.0	
25	NP	eP	13 38 27.0	JZ	.5	1.7 (0)		
25	15 09 17.3		05.2 S 153.1 E NEW BRITAIN REGION H =064 KM MAG 4.60- CGS					
25	MV	eLR	15 51 49	LZ	25	1.8 (2)	90.0	
25	LV	eLR	16 12 47	LZ	18	2.1 (2)	114.0	
25	RK	eP	17 11 40.2	Z	0.3	2.8 (0)	4.1	
		eS	17 12 30	R	0.5	3.6 (1)		
25	17 35 05.*		17.0 N 86.9 W NORTH OF HONDURAS H =033 KM MAG 3.90- CGS					
25	LC	eP	17 40 14.5	Z	0.8	2.3 (0)	24.0	3.73
25	NP	eP	17 45 19.7	JZ	.9	99.9 (9)	62.0	
25	LC	eP	17 48 25.7	Z	0.2	1.1 (0)	2.1	
		eS	17 48 53	T	0.2	5.3 (0)		
25	LV	eP	17 56 54.6	Z	0.4	2.4 (1)	0.1	
		eS	17 56 58	T	0.4	2.7 (2)		
25	MV	eP	18 13 12.0	Z	0.3	3.8 (0)	2.2	
		eS	18 13 41	T	0.3	7.2 (0)		
25	MV	eP	18 29 54.1	Z	0.3	5.1 (0)	2.1	
		eS	18 30 22	T	0.3	1.2 (1)		
25	18 43 27.*		17.1 N 87.2 W NORTH OF HONDURAS H =033 KM MAG 3.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	LC	eP	18 48 34.5	Z	0.6	1.0 (0)	23.0	3.48
25	MV	eP	19 26 56.0	Z	0.3	2.5 (0)	2.2	
		eS	19 27 25	T	0.3	1.0 (1)		
25	MV	eP	19 37 13.0	Z	0.3	5.1 (0)	2.1	
		eS	19 37 41	R	0.3	3.2 (0)		
25	19 48 49.1		10.1 N 69.4 W NEAR N. COAST OF VENEZUELA H =041 KM MAG 4.50- CGS					
25	LC	eP	19 56 30.9	Z	0.8	1.2 (1)	41.0	4.73
25	NP	eP	21 00 06.2	JZ	.8	5.0 (0)		
25	21 41 59.9		52.7 N 157.3 E KAMCHATKA H =033 KM MAG 4.70- CGS					
25	NP	eP	21 49 16.6	JZ	.5	3.9 (0)	38.0	4.46
25	LC	eP	21 53 00.5	Z	1.2	10.0 (0)	68.0	4.79
							AVG.	4.62
25	21 46 56.*		22.6 S 179.9 W FIJI ISLANDS H =350 KM MAG 4.40- CGS					
25	LC	eP	21 59 10.3	Z	0.8	3.0 (0)	89.0	4.23
25	22 09 00.8		05.3 S 153.2 E NEW BRITAIN REGION H =042 KM MAG 4.80- CGS					
25	MV	eLR	22 51 05	LZ	26	1.9 (2)	90.0	
25	LC	eLR	22 59 44	LZ	14	2.2 (2)	101.0	
25	22 46 18.*		17.0 N 86.6 W NORTH OF HONDURAS H =033 KM MAG 3.90- CGS					
25	LC	eP	22 51 28.4	Z	0.5	0.4 (0)	24.0	3.24
25	23 07 29.3		20.8 S 178.8 W FIJI ISLANDS H =580 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MV	eP	23 18 42.6	Z	1.0	6.9 (0)	80.0	4.04
26	MV	eP	03 15 33.5	Z	0.3	7.1 (0)	0.5	
		eS	03 15 42	T	0.3	2.7 (1)		
26	09 09 33.9		16.3 S 71.7 W SOUTHERN PERU H =116 KM MAG 6.10- CGS					
26	LV	eP	09 18 32.7	Z	0.9	1.3 (2)	52.0	5.89
		eP	09 18 33	LZ	14	1.8 (3)		
		epP	09 19 03	LZ	17	3.5 (3)		
		epP	09 19 11	Z	1.9	8.0 (2)		
		esPP	09 21 18	Z	1.6	2.9 (2)		
		eSCP	09 23 25	LZ	18	1.1 (3)		
		e	09 25 46	Z	2.4	1.1 (3)		
		e	09 25 46	LZ	16	2.2 (3)		
		e	09 26 26	LZ	18	2.0 (3)		
26	DH	iP	09 19 18.5C	Z	0.7	4.0 (2)	58.0	6.52
		eP	09 19 19	LZ	14	4.2 (3)		
		epP	09 19 49	LZ	19	3.6 (3)		
		eSCP	09 23 58	Z	1.6	2.0 (2)		
		e	09 25 13	Z	1.5	1.4 (2)		
		eS	09 27 13	LR	20	7.8 (3)		
		eS	09 27 13	LT	21	4.0 (3)		
		eL	09 37 56	LR	24	6.3 (3)		
26	LC	eP	09 19 39.0	Z	1.7	4.0 (2)	59.0	6.13
		eP	09 19 40	LZ	24	1.7 (3)		
		eS	09 27 35	LT	22	99.9 (9)		
		eS	09 27 37	T	3.5	3.4 (3)		
		eSCS	09 29 10	T	3.6	4.1 (2)		
		eP'P'1	09 49 00	Z	1.2	9.9 (0)		
		eP'P'2	09 49 25	Z	1.8	1.3 (2)		
26	RK	iP	09 20 31.2C	Z	0.9	2.5 (2)	70.0	6.04
		eP	09 20 34	LZ	12	2.7 (3)		
		epP	09 21 02	Z	1.1	1.8 (2)		
		epP	09 21 02	LZ	18	2.9 (3)		
		ePP	09 23 09	Z	1.9	6.1 (2)		
		ePP	09 23 09	LZ	14	1.4 (3)		
		ePPP	09 25 00	LZ	16	1.4 (3)		
		eS	09 29 28	T	2.1	6.7 (2)		
		eS	09 29 30	LT	19	3.7 (3)		
		epS	09 30 07	LT	14	1.0 (4)		
		epS	09 30 09	T	2.4	3.8 (2)		
		eSS	09 34 10	LT	25	1.9 (3)		
		eL	09 43 37	LZ	29	6.1 (3)		
		eP'P'	09 48 33	Z	1.8	2.3 (2)		
26	MV	eP	09 20 48.2	Z	1.7	3.3 (2)	72.0	5.88
		eP	09 20 50	LZ	21	1.5 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epPP	09 24 00	LZ	24	7.9 (2)		
		eS	09 30 00	T	4.5	1.4 (3)		
		eS	09 30 05	LT	21	99.9 (9)		
		esS	09 30 39	T	4.0	5.8 (2)		
		eSS	09 34 50	LT	26	3.1 (3)		
		eP'P'	09 48 58	Z	1.2	2.5 (1)		
26	HW	eP	09 22 26	LZ	10	2.7 (3)	90.0	
		ePP	09 26 05	LZ	20	6.5 (2)		
		eS	09 33 15	LR	23	3.0 (3)		
		eSS	09 39 05	LR	16	2.1 (3)		
		eLQ	09 45 53	LR	31	2.9 (3)		
		eLR	09 51 10	LZ	30	2.0 (3)		
26	NP	iP	09 22 52.8D	JZ	.9	2.0 (1)	97.0	5.62
		esP	09 23 32	LZ	20	1.0 (3)		
		ePP	09 26 35	JZ	1.1	6.4 (1)		
		ePP	09 26 45	LZ	22	1.1 (3)		
		epPP	09 27 13	JZ	1.9	9.0 (1)		
		epPPP	09 29 38	JZ	3	2.0 (2)		
		e	09 31 31	JZ	3.5	2.0 (2)		
		e	09 32 46	JZ	4	4.5 (2)		
		eSKS	09 33 18	R	3.0	1.1 (3)		
		eS	09 33 50	LT	20	3.5 (3)		
		esS	09 35 00	LT	24	4.2 (3)		
		eSP	09 35 21	JZ	3	2.6 (2)		
		epSP	09 35 56	JZ	4.5	8.4 (2)		
		e	09 39 11	JZ	1.5	1.1 (1)		
		eSS	09 40 45	LT	16	3.0 (3)		
		eL	09 49 20	LZ	26	2.0 (3)		
		eLR	09 54 30	LZ	38	4.6 (3)		
						AVG.		6.05
26	10 02 15.0		23.1 N 120.4 E TAIWAN H =037 KM MAG 4.90- CGS					
26	NP	eP	10 13 50.3	JZ	.6	9.2 (0)	74.0	4.91
26	12 05 54.3		40.8 N 140.1 E NEAR W. CST. HONSHU, JAPAN H =160 KM MAG 4.40- CGS					
26	NP	eP	12 14 58.2	JZ	.6	5.3 (0)	53.0	4.51
26	RK	eP	12 17 32.6	Z	0.6	3.2 (0)	77.0	4.28
						AVG.		4.39
26	DH	eP	15 02 40.9	Z	0.9	3.1 (1)		
26	19 53 18.8		06.9 N 73.0 W COLOMBIA H =160 KM MAG 3.80- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	20 55 08.*		17.2 N 86.1 W NORTH OF HONDURAS H =033 KM MAG 3.80- CGS					
27	01 12 23.5		00.0 17.9 W MID ATLANTIC OCEAN H =033 KM MAG 5.30- CGS					
27	RK	eP	01 24 36.0	Z	1.0	3.6 (1)	81.0	5.30
		eS	01 34 40	LT	17	7.3 (2)		
		e	01 43 15	LT	17	6.9 (2)		
		eL	01 46 25	LR	32	1.6 (3)		
		eL	01 50 45	LT	20	1.7 (3)		
		eL	01 50 45	LR	20	9.6 (2)		
		eL	01 50 45	LZ	25	7.0 (2)		
27	LC	eP	01 25 17.6	Z	1.6	0.8 (0)	89.0	3.70
27	NP	eP	01 25 35.2	JZ	1	1.7 (1)	93.0	5.40
27	DH	eLR	01 42 25	LZ	25	1.9 (3)	66.0	
27	LV	eLR	01 48 10	LZ	29	1.0 (3)	76.0	
27	MV	eLR	01 59 38	LZ	27	7.7 (2)	100.0	
		eL	02 05 07	LT	24	1.4 (3)		
		eL	02 05 07	LR	24	1.0 (3)		
		eL	02 05 07	LZ	23	1.5 (3)		
							AVG.	4.89
27	02 46 33.4		60.9 S 155.2 E SOUTH OF MACQUARIE ISLAND H =033 KM					
27	NP	eP	03 06 02.8	JZ	1	5.7 (0)	147.0	
27	05 07 00.3		13.1 S 166.5 E NEW HEBRIDES ISLANDS H =046 KM MAG 4.20- CGS					
27	05 29 27.*		29.2 N 97.2 E SOUTHERN TIBET H =033 KM MAG 4.90- CGS					
27	06 19 19.*		47.3 N 152.1 E KURILE ISLANDS H =033 KM MAG 4.40- CGS					
27	MV	eP	07 47 25.4	Z	0.3	1.9 (0)	1.2	
		eS	07 47 40	T	0.4	1.2 (1)		
		eP	09 29 27.0	Z	0.2	2.4 (0)		
		eS	09 29 42	T	0.3	1.0 (1)		
27	10 32 13.*		19.9 S 115.4 W NORTHWEST OF EASTER ISLAND H =033 KM MAG 4.20- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	LC	eP	10 41 28.0	Z	1.0	2.5 (0)	53.0	4.13
27	MV	eP	10 44 36.6	Z	0.3	2.6 (0)	0.7	
		eS	10 44 47	R	0.6	2.4 (1)		
27	11 21 14.*		17.0 N 87.0 W NORTH OF HONDURAS H =033 KM MAG 3.80- CGS					
27	LC	eP	11 26 22.0	Z	0.7	1.2 (0)	23.0	3.49
27	MV	eP	11 56 55.3	Z	0.3	5.2 (0)	2.8	
		eS	11 57 30	T	0.4	1.5 (1)		
27	15 36 56.*		10.6 S 166.1 E SANTA CRUZ ISLANDS H =165 KM MAG 4.30- CGS					
27	MV	eP	15 49 06.3	Z	0.6	2.9 (0)	83.0	4.27
27	MV	eP	17 10 15.5	Z	0.3	4.6 (0)	2.0	
		eS	17 10 43	R	0.5	2.7 (0)		
27	17 51 47.3		52.5 N 160.8 E NEAR E. COAST KAMCHATKA H =033 KM MAG 4.10- CGS					
27	NP	eP	17 58 59.4	JZ	.8	5.5 (0)	37.0	4.41
27	LC	eP	18 01 19.8	Z	0.2	9.4 (0)	1.5	
		eS	18 02 00	T	0.2	8.2 (0)		
27	LC	eP	20 17 47.4	Z	0.2	1.7 (0)	2.9	
		eS	20 18 13	T	0.2	3.3 (0)		
27	20 19 30.6		23.1 S 179.4 E FIJI ISLANDS H =526 KM MAG 4.10- CGS					
28	00 02 25.7		41.0 N 141.5 E OFF E. CST. HONSHU, JAPAN H =033 KM MAG 4.30- CGS					
28	04 56 48.6		43.3 N 125.9 W OFF COAST OF OREGON H =017 KM MAG 4.50- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28			06.3 S 148.7 E NEW BRITAIN REGION H =033 KM MAG 5.10- CGS					
28	HW	eL	06 12 30	LZ	25	3.7 (3)	61.0	
28	LC	ePKKP	06 13 37.0	Z	1.0	3.7 (0)	106.0	
		eLQ	06 29 51	LR	26	3.6 (2)		
		eLR	06 32 30	LZ	29	9.7 (2)		
28	MV	eL	06 26 15	LZ	29	1.6 (3)	94.0	
28	NP	eL	06 29 50	LZ	25	5.6 (2)	97.0	
28	RK	eLQ	06 30 35	LR	40	1.2 (3)	112.0	
		eLR	06 38 31	LZ	27	1.6 (3)		
		eL	06 46 05	LT	20	1.7 (3)		
		eL	06 46 05	LR	20	7.8 (2)		
		eL	06 46 05	LZ	19	3.9 (3)		
28	LV	eL	06 37 25	LZ	40	8.5 (2)	118.0	
		eLR	06 41 30	LZ	26	1.4 (3)		
28	DH	eLQ	06 37 30	LR	37	1.1 (3)	127.0	
		eLR	06 47 35	LZ	21	7.9 (2)		
28			06 17 09.3 20.5 S 177.8 W FIJI ISLANDS H =473 KM MAG 4.00- CGS					
28			07 29 28.* 17.7 S 176.7 W FIJI ISLANDS REGION H =417 KM MAG 4.10- CGS					
28	RK	eL	07 51 45	LZ	18	4.7 (2)		
28			09 00 46.9 21.7 N 121.6 E OFF EAST COAST OF TAIWAN H =033 KM					
28	MV	eP	10 44 40.9	Z	0.4	8.8 (0)	2.6	
		eS	10 45 13	T	0.6	4.4 (1)		
28			12 57 07.9 43.2 N 111.4 W EASTERN IDAHO H =041 KM MAG 4.20- CGS					
28			13 03 41.5 14.2 S 72.1 W SOUTHERN PERU H =021 KM MAG 4.10- CGS					
28			14 09 17.1 36.5 N 70.9 E HINDU KUSH H =207 KM MAG 6.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	NP	iP	14 19 51.6C	JZ	.7	2.5 (2)	67.0	6.05
		eP	14 19 53	LZ	19	3.5 (3)		
		e	14 25 04	LZ	16	2.8 (3)		
		e	14 25 05	JZ	1.8	3.8 (2)		
		eS	14 28 32	R	1.4	5.6 (2)		
		eS	14 28 33	LR	24	6.1 (3)		
		esS	14 29 52	T	2.4	2.1 (3)		
		esS	14 29 53	LT	36	1.6 (4)		
		eSKKP	14 43 47	LZ	26	3.7 (3)		
		ePiP	14 47 59	JZ	1.2	2.6 (1)		
		e	14 49 04	JZ	1.7	2.2 (2)		
28	RK	iP	14 22 03.0C	Z	1.0	3.7 (2)	92.0	6.37
		eP	14 22 03	LZ	18	2.6 (3)		
		epP	14 22 52	Z	0.8	5.7 (1)		
		esP	14 23 10	LZ	17	3.1 (3)		
		esP	14 23 11	Z	0.9	1.0 (2)		
		ePP	14 25 43	Z	1.0	7.7 (1)		
		ePP	14 25 45	LZ	14	4.2 (3)		
		epPP	14 26 44	LZ	12	6.8 (3)		
		ePPP	14 28 39	LZ	14	4.7 (3)		
		e	14 30 29	LT	21	1.1 (3)		
		eSKS	14 32 15	LT	19	2.1 (3)		
		eSKS	14 32 18	T	1.0	4.9 (1)		
		epS	14 33 41	T	3.5	2.0 (3)		
28	DH	eP	14 22 20.5	Z	0.9	6.8 (1)	96.0	5.98
		eP	14 22 21	LZ	18	2.0 (3)		
		epP	14 23 14	Z	0.8	4.8 (1)		
		esP	14 23 25	LZ	20	2.0 (3)		
		esP	14 23 30	Z	2.0	6.9 (2)		
		e	14 25 59	Z	1.4	1.1 (2)		
		ePP	14 26 10	LZ	16	3.8 (3)		
		ePP	14 26 12	Z	1.4	1.6 (2)		
		esPP	14 27 20	LZ	20	4.0 (3)		
		eSKS	14 32 35	LT	20	1.5 (3)		
		e	14 34 00	LT	20	3.1 (3)		
		epS	14 34 06	T	2.6	5.1 (2)		
		ePS	14 35 40	LT	23	99.9 (9)		
		esSS	14 41 20	LT	27	5.7 (3)		
28	MV	eP	14 22 57.0	Z	1.0	1.7 (1)	104.0	5.94
		eP	14 23 00	LZ	23	1.3 (3)		
		esP	14 23 59	Z	1.0	1.4 (1)		
		esP	14 24 05	LZ	23	5.5 (2)		
		ePP	14 27 01	Z	2.0	1.4 (2)		
		ePP	14 27 10	LZ	18	1.3 (3)		
		eSKS	14 33 17	T	3.0	2.5 (2)		
		eS	14 34 30	LT	19	1.8 (3)		
		eS	14 34 50	R	3.0	3.3 (2)		
		e	14 38 05	LT	18	4.4 (3)		
		e	14 38 05	T	4.0	4.3 (2)		
		ePKKP	14 38 46	Z	1.0	1.7 (1)		
		e	14 39 25	LT	26	3.0 (3)		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	14 39 39	Z	1.5	4.0 (1)		
		e	14 39 56	Z	2.0	9.0 (1)		
28	HW	ePD	14 23 26	LZ	17	4.4 (2)	109.0	
		ePP	14 27 55	LZ	17	8.2 (2)		
		epPP	14 28 50	LZ	18	1.0 (3)		
		eS	14 35 05	LR	20	2.4 (3)		
		esS	14 36 38	LR	20	3.1 (3)		
		esSP	14 38 20	LZ	18	1.9 (3)		
		eSS	14 43 05	LT	21	3.0 (3)		
		esSS	14 44 15	LR	21	5.3 (3)		
		e	14 48 15	LR	26	4.7 (3)		
		e	14 50 50	LR	24	2.9 (3)		
		eLQ	14 54 00	LR	29	8.4 (3)		
		eLR	15 01 25	LZ	20	1.4 (3)		
28	LV	ePD	14 23 29	LZ	16	7.1 (2)	110.0	
		esP	14 24 35	LZ	19	9.1 (2)		
		ePP	14 27 55	Z	1.9	5.9 (2)		
		ePP	14 27 58	LZ	16	4.7 (3)		
		epPP	14 29 05	Z	2.0	5.4 (2)		
		esPP	14 29 27	Z	2.0	8.6 (2)		
		eSP	14 37 00	LZ	20	5.1 (3)		
		e	14 47 00	LZ	15	4.7 (3)		
28	LC	ePD	14 23 44.0	Z	0.8	5.4 (0)	111.0	
		ePD	14 23 45	LZ	20	5.4 (2)		
		eP*	14 27 38	Z	1.0	2.2 (1)		
		ePP	14 28 12	Z	0.9	2.3 (1)		
		ePP	14 28 18	LZ	18	1.2 (3)		
		esPP	14 29 30	LZ	21	1.8 (3)		
		ePPP	14 30 49	LZ	23	9.7 (2)		
		epPPP	14 31 45	LZ	15	2.0 (3)		
		eS	14 35 20	LR	22	2.7 (3)		
		ePS	14 37 17	LR	24	3.2 (3)		
		ePKKP	14 38 34	Z	1.0	1.2 (1)		
		e	14 38 35	LZ	19	4.1 (3)		
		esPS	14 39 00	LR	26	3.3 (3)		
		e	14 39 36	Z	1.0	2.3 (1)		
		e	14 43 37	R	1.9	7.7 (1)		
		eSS	14 43 38	LR	21	3.2 (3)		
						AVG.		6.08

28	16 26 05.6	07.0 S 124.5 E H =407 KM MAG	BANDA SEA 5.10- CGS			
28	NP eP	16 47 52.2	JZ	.5	9.1 (0)	
28	LC eP	17 43 53.4	Z	0.9	4.9 (0)	
28	17 46 16.2	45.3 N 149.8 E H =033 KM MAG	KURILE ISLANDS 4.40- CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	LC	eL	17 51 00	LZ	17	3.4 (2)		
28	18 30 43.9	61.2 N 147.8 W H =172 KM MAG	SOUTHERN ALASKA 4.00- CGS					
28	NP	eP	18 34 42.0	JZ	.5	3.8 (0)	18.0	4.03
28	19 10 54.*	55.8 N 165.7 E H =033 KM MAG	KOMANDORSKIE IS. REGION 4.30- CGS					
29	MV	eP	01 14 41.6	Z	0.2	1.7 (1)	2.3	
		eS	01 15 10	R	0.2	8.3 (0)		
29	02 30 00.*	21.5 S 68.8 W H =136 KM MAG	CHILE BOLIVIA BORDER 4.00- CGS					
29	05 45 48.*	38.7 N 73.2 E H =187 KM MAG	HINDU KUSH REGION 3.80- CGS					
29	NP	eP	05 56 10.0	JZ	.6	3.3 (0)	65.0	4.27
29	NP	eP	07 22 09.1	JZ	.5	1.4 (0)		
29	MV	eP	07 29 56.5	Z	0.2	5.6 (0)	1.2	
		eS	07 30 10	R	0.2	1.3 (1)		
29	LC	eP	07 39 24.5	Z	0.9	4.8 (0)		
29	HW	eP	08 12 08.6	Z	0.2	7.8 (1)	0.3	
		eS	08 12 13	R	0.3	6.2 (2)		
29	08 47 30.*	03.0 N 125.7 E H =133 KM MAG	CELEBES SEA 4.90- CGS					
29	NP	eP	09 00 30.1	JZ	.4	1.4 (0)	93.0	4.58
29	LC	eP*	09 06 07.6	Z	0.8	3.8 (0)	119.0	
29	13 07 18.*	02.2 S 139.5 E H =033 KM MAG	N. COAST W. NEW GUINEA 4.40- CGS					
29	LC	eL	14 15 00	LZ	18	9.8 (1)	111.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	DH	eP	14 42 05.1	Z	0.3	1.1 (1)	1.8	
		eS	14 42 28	R	0.4	3.1 (1)		
		eP	14 53 24.0	Z	0.3	2.2 (1)		
		eS	14 53 48	R	0.3	3.0 (1)		
29	LC	eP	16 32 51.2	Z	0.3	0.9 (0)	2.9	
		e	16 32 56	Z	0.3	2.8 (0)		
		eS	16 33 28	T	0.5	3.0 (0)		
29	17 29 08.0		55.1 N 161.7 E NEAR E. COAST OF KAMCHATKA H =078 KM MAG 4.60- CGS					
29	LC	eP	17 39 41.5	Z	0.9	2.9 (0)	65.0	4.28
29	18 37 29.*		06.8 S 130.7 E MOLUCCA PASSAGE H =033 KM					
29	LC	eP	20 40 02.7	Z	0.2	1.2 (1)	1.5	
		eS	20 40 22	T	0.3	1.4 (1)		
29	RK	eP	20 57 11.5	Z	0.2		2.5	
		eS	20 57 43	R	0.2	2.1 (1)		
29	LC	eP	21 11 48.8	Z	0.3	1.4 (0)	2.4	
		e	21 11 55	Z	0.5	3.2 (0)		
		eS	21 12 19	R	0.6	1.1 (1)		
29	22 32 20.9		41.7 N 141.9 E S. COAST HOKKAIDO, JAPAN H =056 KM MAG 4.50- CGS					
29	NP	eP	22 41 26.4	JZ	1	1.6 (1)	52.0	4.97
30	01 11 16.6		06.9 N 72.6 W NORTHERN COLOMBIA H =151 KM MAG 3.90- CGS					
30	02 33 55.*		20.1 S 69.5 W NORTHERN CHILE H =033 KM MAG 4.20- CGS					
30	05 39 44.6		24.5 N 108.6 W GULF OF CALIFORNIA H =049 KM MAG 4.50- CGS					
30	LC	eP	05 41 41.3	Z	0.5	6.1 (0)	8.0	4.79
		eL	05 43 38	R	0.8	1.1 (1)		
		eL	05 43 39	LR	18	2.7 (3)		
30	MV	eP	05 43 42.9	Z	0.7	2.7 (0)	18.0	3.55

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	05 47 47	LR	23	8.0 (2)		
30	LV	eL	05 48 19	LZ	27	6.0 (2)	17.0	
30	NP	eP	05 48 50.0	JZ	.7	3.3 (0)	52.0	4.43
30	HW	eL	05 59 30	LZ	25	5.3 (2)	44.0	
							AVG.	4.25
30	07 37 01.*		24.6 S 176.8 W TONGA ISLANDS REGION H =033 KM MAG 3.90- CGS					
30	09 06 02.*		11.4 N 121.6 E SULU SEA H =033 KM MAG 4.20- CGS					
30	12 23 10.3		32.7 N 47.8 E WESTERN IRAN H =033 KM					
30	12 39 23.8		01.7 N 99.6 E NORTHERN SUMATRA H =133 KM MAG 5.40- CGS					
30	HW	eP	14 38 54.7	Z	999.9	99.9 (9)		
30	DH	eP	14 56 36.0	Z	0.5	1.4 (1)	1.8	
		eS	14 56 59	R	0.5	2.9 (1)		
30	17 20 13.4		23.4 N 143.3 E VOLCANO ISLANDS REGION H =033 KM MAG 4.70- CGS					
30	NP	eP	17 31 18.5	JZ	.8	6.6 (0)	69.0	4.79
30	RK	eL	18 07 30	LR	25	2.4 (2)	91.0	
30	17 45 54.6		37.3 N 29.9 E NEAR S.W. COAST OF TURKEY H =041 KM MAG 5.30- CGS					
30	NP	eP	17 56 32.0D	JZ	.8	3.0 (1)	65.0	5.46
30	DH	eP	17 57 36.0	Z	1.0	4.8 (1)	75.0	5.40
30	MV	eL	18 32 21	LR	25	2.9 (2)	99.0	
30	LC	eL	18 33 46	LZ	35	7.1 (2)	100.0	
30	LV	eL	18 35 01	LZ	28	7.7 (2)	92.0	
							AVG.	5.00
30	21 23 58.*		49.2 N 150.6 E SEA OF OKHOTSK H =292 KM MAG 4.10- CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	LC	eP	21 31 21.4	Z	0.4	1.5 (1)	1.3	
		eS	21 31 39	R	0.4	2.0 (1)		
31	00 14 58.4		36.3 N 71.4 E NORTHEASTERN AFGHANISTAN H =127 KM MAG 4.20- CGS					
31	04 17 12.4		61.5 N 151.9 W SOUTHERN ALASKA H =033 KM MAG 4.90- CGS					
31	NP	eP	04 21 26.5	JZ	.8	1.0 (1)	18.0	4.06
		eP	04 21 27	LZ	10	1.3 (3)		
		eL	04 26 44	LZ	26	8.9 (2)		
31	MV	eP	04 23 11.5	Z	0.8	8.5 (0)	29.0	4.56
		eL	04 30 02	LT	33	1.1 (3)		
		eL	04 32 05	LR	25	3.6 (2)		
		eL	04 32 05	LT	17	4.8 (2)		
		eL	04 32 05	LZ	25	7.8 (2)		
		eL	04 32 05					
31	RK	eP	04 23 44.5	Z	0.7	6.1 (0)	33.0	4.61
		ePP	04 24 50	Z	1.3	1.9 (1)		
		ePCP	04 26 27	Z	0.9	5.7 (0)		
		eS	04 29 00	LT	25	6.1 (2)		
		eL	04 32 18	LR	37	2.8 (3)		
		eSCS	04 34 24	R	2.7	3.3 (2)		
31	LC	eP	04 24 52.6	Z	1.2	1.2 (1)	41.0	4.54
		eLQ	04 34 25	LT	23	4.6 (2)		
		eLR	04 38 02	LZ	37	5.5 (2)		
31	DH	eS	04 32 45	LT	22	3.1 (2)	48.0	
		eSS	04 36 20	LT	18	4.2 (2)		
		eL	04 40 15	LR	36	1.5 (3)		
31	HW	eLR	04 36 00	LZ	24	4.2 (2)	42.0	
							AVG.	4.44
31	NP	eP	04 59 22.9	JZ	.7	4.1 (0)		
31	06 46 07.*		16.9 N 99.0 W GUERRERO, MEXICO H =056 KM MAG 3.90- CGS					
31	LC	eP	06 50 02.0	Z	1.2	4.0 (0)	17.0	3.48
		eL	06 56 15	LZ	16	3.6 (2)		
31	08 06 38.5		47.0 N 138.8 E SEA OF JAPAN H =433 KM MAG 3.80- CGS					
31	RK	eP	08 17 32.4	Z	0.9	3.8 (0)	73.0	4.00

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	RK	eP	08 14 57.2	Z	0.5	2.7 (0)		
31	LC	eP	08 30 59.1	Z	1.3	9.9 (0)		
31	09 23 21.*		37.5 N 23.2 E SOUTHERN GREECE H =075 KM MAG 4.30- CGS					
31	NP	eP	09 33 48.5	JZ	.8	7.4 (0)	64.0	4.74
31	HW	eP	10 29 11.9	Z	0.2	7.6 (1)	0.6	
		eS	10 29 20	T	0.2	6.8 (2)		
31	12 30 31.*		23.8 N 121.0 E TAIWAN H =033 KM MAG 4.50- CGS					
31	16 40 09.8		42.2 N 142.1 E S. COAST HOKKAIDO, JAPAN H =049 KM MAG 4.20- CGS					
31	17 07 43.*		51.3 N 124.7 W VANCOUVER ISLAND REGION H =014 KM MAG 4.20- CGS					
31	RK	eP	17 12 07.6	Z	1.0	4.9 (0)	19.0	3.70
31	LC	eP	17 12 49.5	Z	1.3	9.9 (0)	23.0	4.16
							AVG.	3.93
31	RK	eP	18 03 43.5	Z	0.2	1.1 (0)	1.3	
		eS	18 04 00	R	0.3	5.3 (0)		
31	21 46 31.7		00.2 S 77.9 W CENTRAL ECUADOR H =033 KM MAG 4.60- CGS					

March 1964

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. 27

March 1964

15 December 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 eight 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 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. Three-component long-period seismograph systems are also in operation at HW-IS and NP-NT.

The Marysville, California (MV-CL) site was closed 10 March 1964.

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 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.

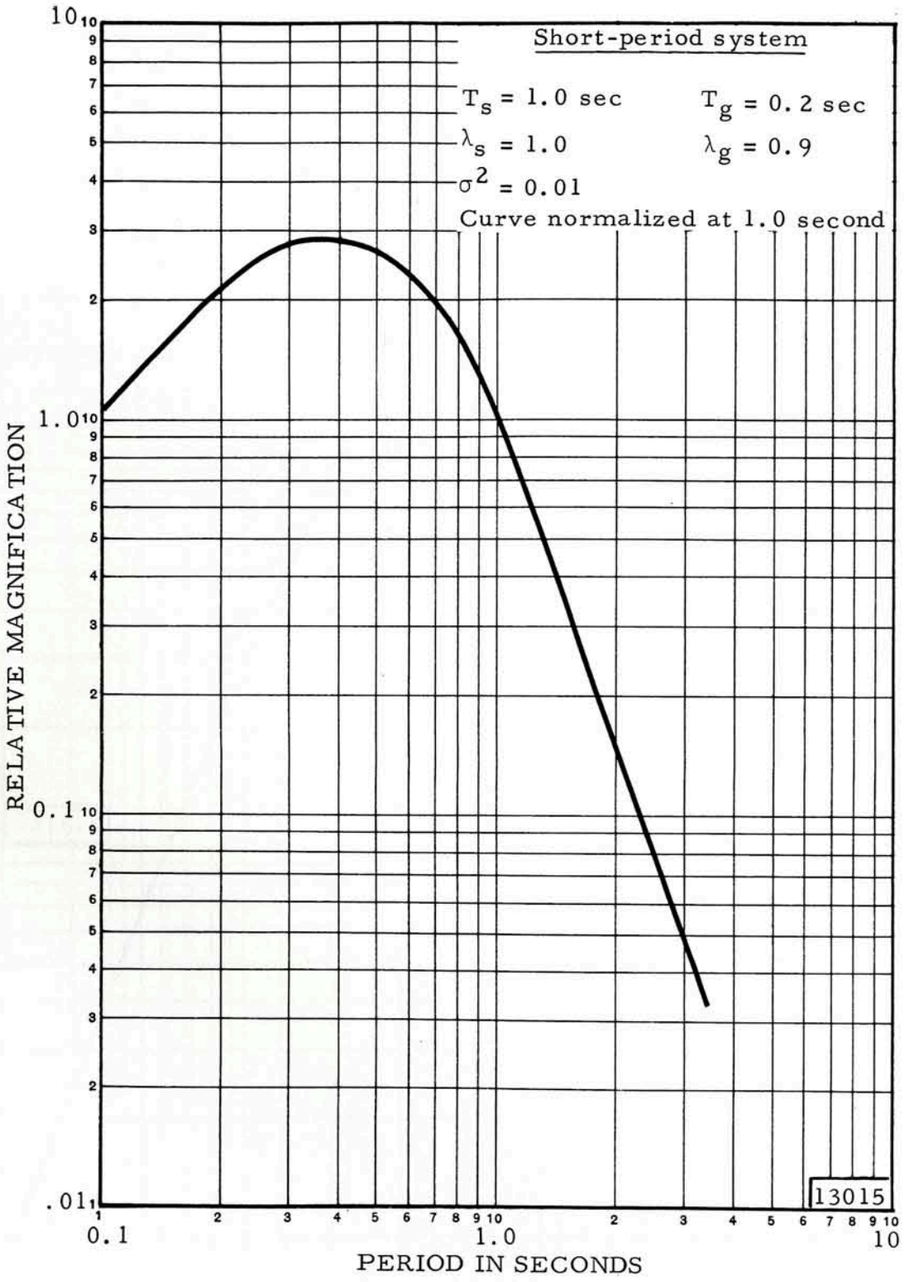


Figure 1. Frequency response of the Benioff short-period seismograph system

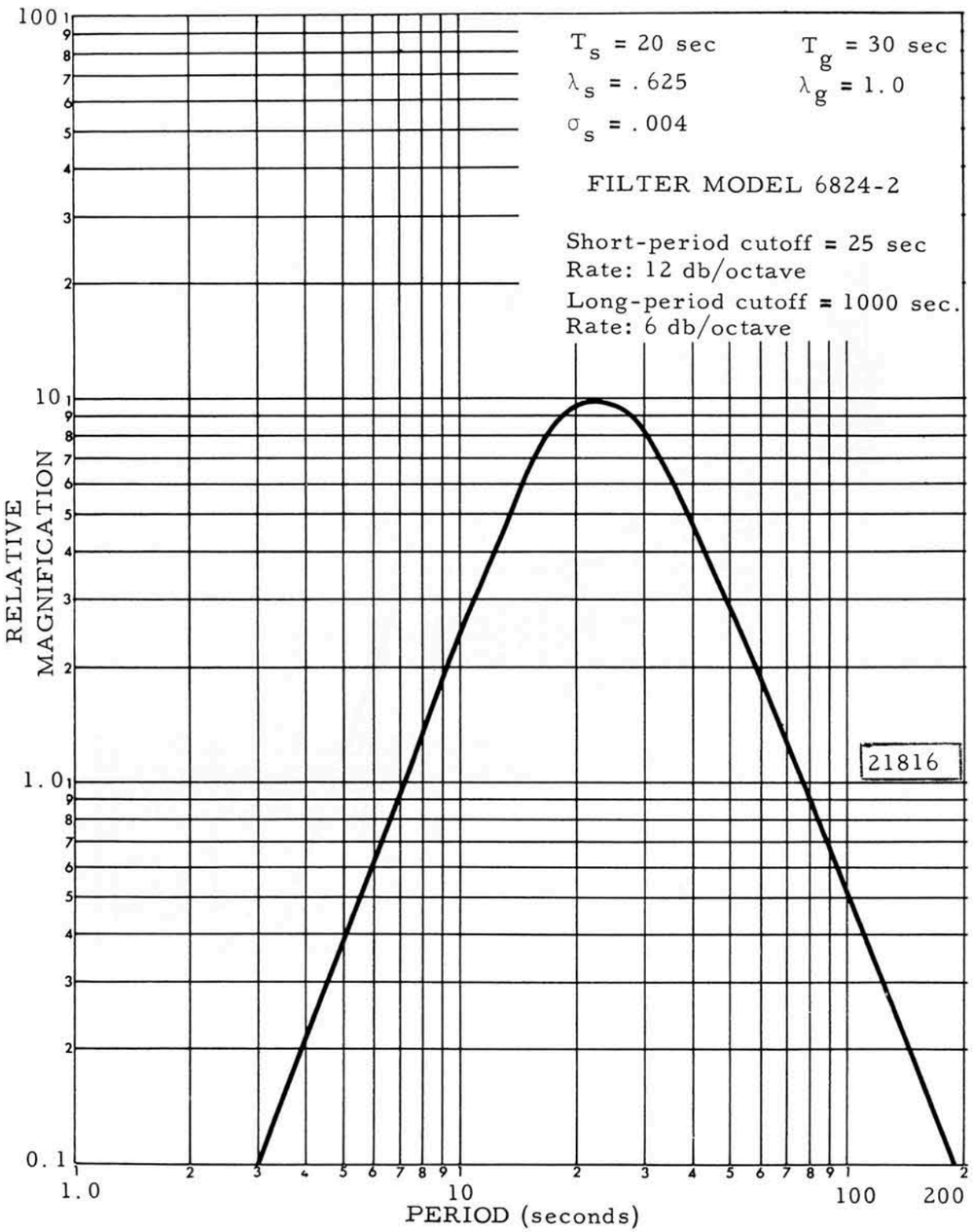


Figure 2. Frequency response of the Sprengnether long-period seismograph system

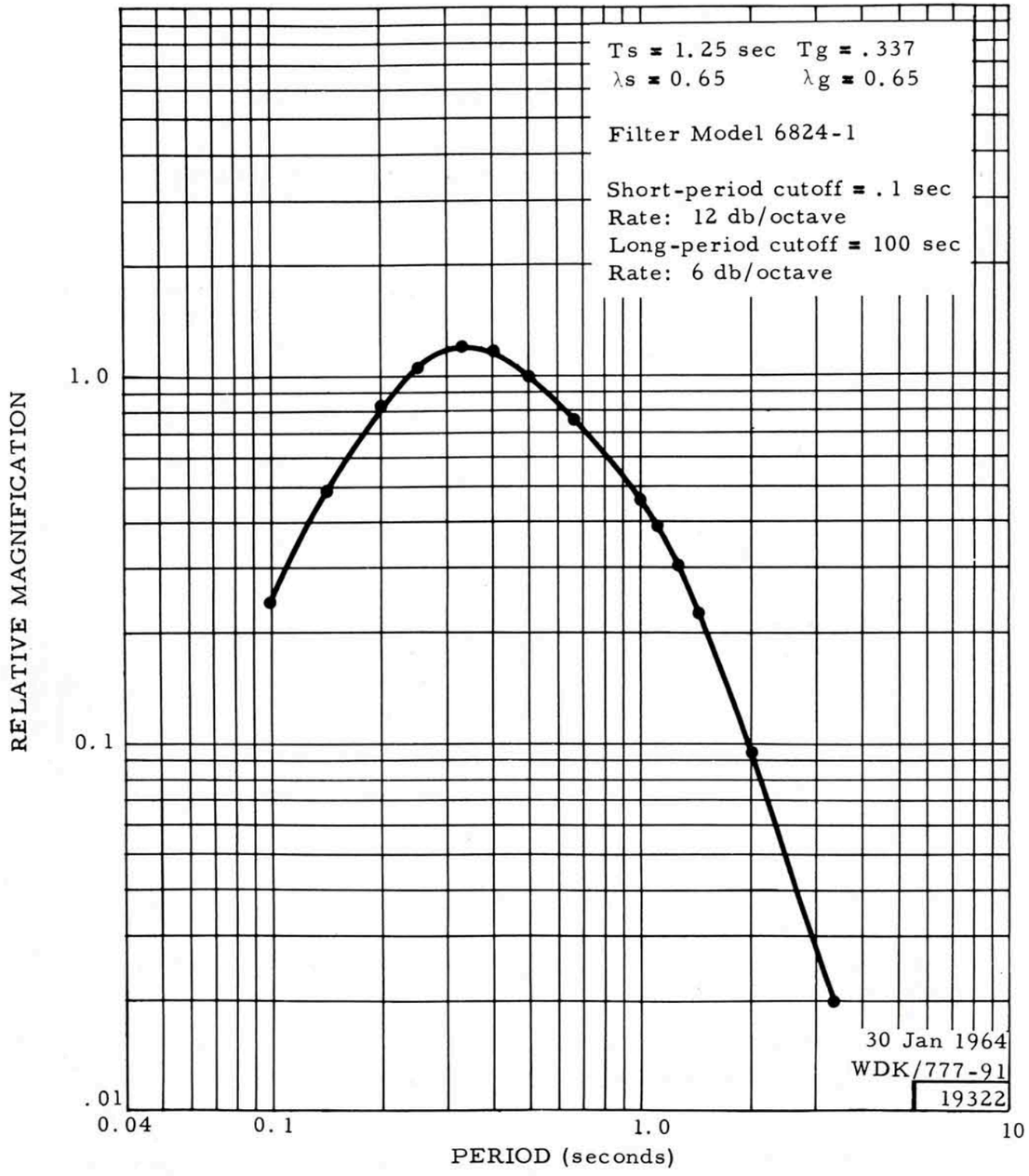


Figure 3. Frequency response of the Johnson-Matheson seismograph system

3. 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).

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 designator	Site location
MV-	Marysville, California
MN-	Mina, Nevada
LC -	Las Cruces, New Mexico
DH -	Delhi, New York
RK -	Red Lake, Ontario
JE -	Jena, 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.

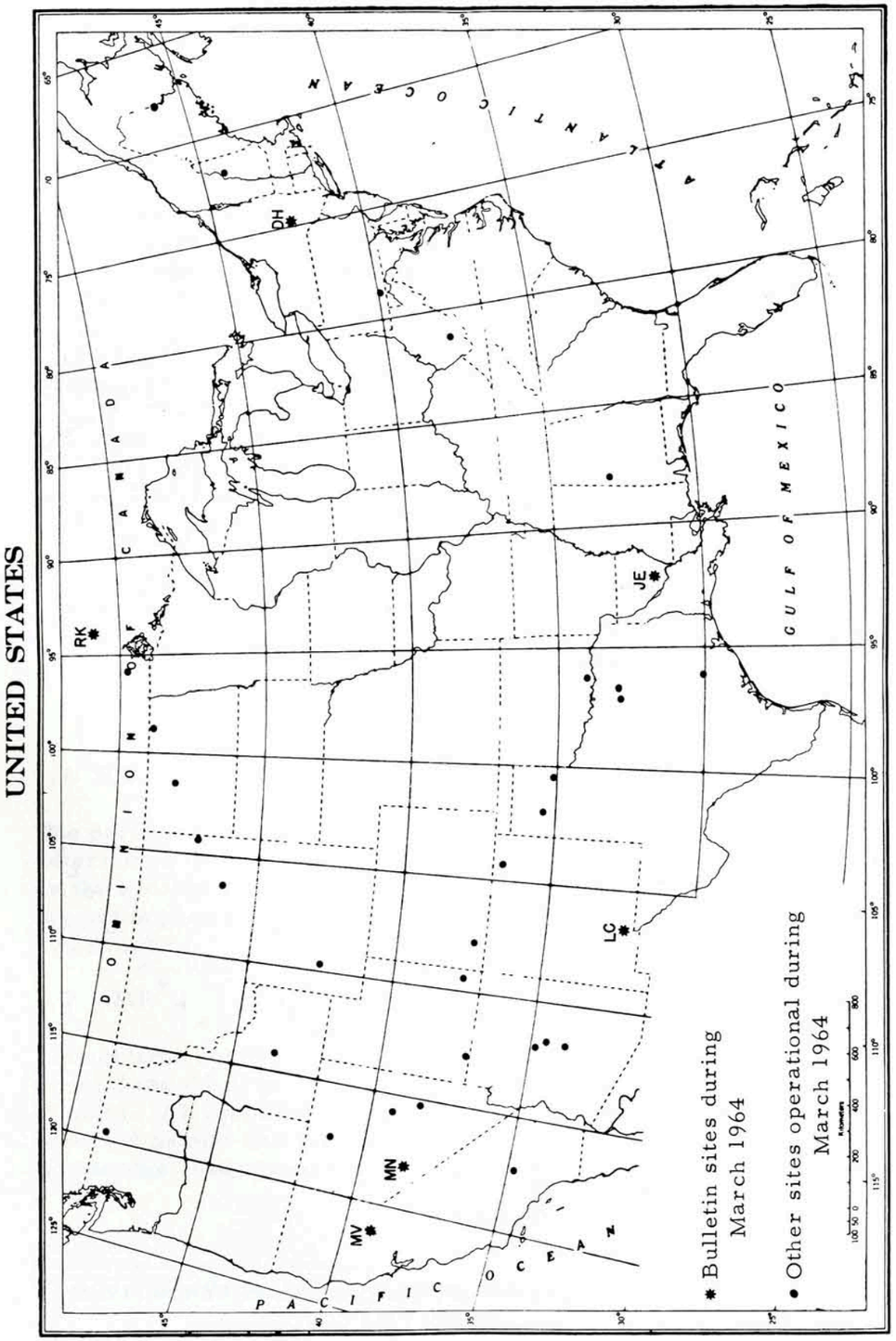


Figure 4. LRSM sites inside the continental United States and Canada during March 1964

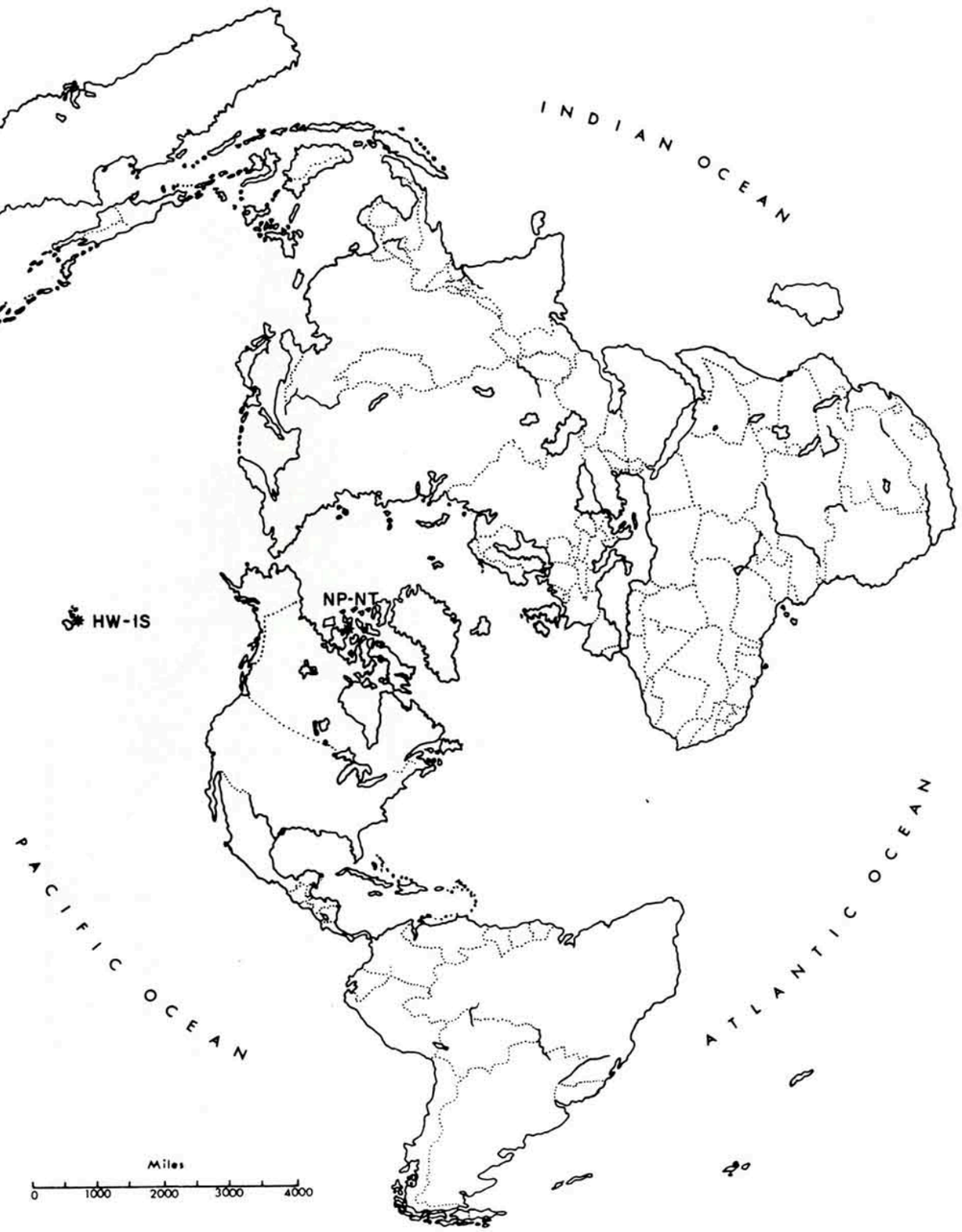


Figure 5. LRSM bulletin sites outside the continental United States during March 1964

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 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.

3.5 INST

The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

SZ	Short-period vertical
SR[1]	Short-period radial (horizontal)
ST[1]	Short-period transverse (horizontal)
LZ	Long-period vertical
LR[1]	Long-period radial (horizontal)
LT[1]	Long-period transverse (horizontal)

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.

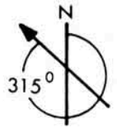
3.7 AMP

This column contains the amplitude of the phase given in millimicrons (mμ) or microns (μ) of ground displacement. All amplitudes are given in tenths of units. All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. If the amplitude is reported in microns, a U appears in the column to the right of the tenths column.

[1]Table 1 gives the instrument orientation of the horizontal seismometers.

Table 1. LRSM bulletin site information

Site designator	Site location	Horizontal seismometer orientation (azimuth from true north in degrees[1]) 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
JE-LA	Jena, Louisiana	112	202	N 31 47 05 W 92 00 55	0.05	Sandstone
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
MN-NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.52	Limestone



[1]When earth moves in direction shown, trace moves up.

The column is left blank if the amplitude is reported in millimicrons. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 999.9 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. The distance is given to the nearest one-tenth of a degree. Distance 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[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°.

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

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 printout.

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 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	02 40 21.6		7.1 S 155.4 E SOLOMON ISLANDS					
			H=100 KM MAG 4.80 CGS					
1	MV-	eL	03 21 04	LZ	30.0	99.8	89.3	
1	MN-	eL	03 24 41	LZ	23	155.9	91.6	
1	04 05 39.9		45.9 N 142.1 E NORTHERN HOKKAIDO, JAPAN					
			H=275 KM MAG 4.30 CGS					
1	08 02 03.8		18.8 N 120.6 E LUZON, PHILIPPINE ISLANDS					
			H= 50 KM MAG 4.80 CGS					
1	HW-	eP	08 47 04.8	SZ	0.3	29.0	1.0	
		eS	47 18	ST	0.3	124.2		
1	09 00 02.3		21.2 S 65.7 W SOUTHERN BOLIVIA					
			H= 90 KM MAG 4.20 CGS					
1	11 22 22.9		45.3 N 150.6 E KURILE ISLANDS					
			H= 33 KM MAG 4.40 CGS					
1	HW-	eL	11 45 54	LZ	25	237.3	50.7	
1	12 54 37.3		7.8 N 122.5 E MINDANAO, P.I.					
			H= 31 KM					
1	NP-	eP	13 07 29.2	SZ	0.7	5.6	88.9	4.88
1	MN-	eP	13 35 02.6	SZ	0.4	9999.9	.7	
		eS	35 12	SR	0.5	9999.9		
1	MN-	eP	14 24 19.1	SZ	999.9	9999.9		
1	MN-	eP	18 21 48.2	SZ	999.9	9999.9	.1	
		eS	21 52	SR	0.3	9.0		
1	LC-	eP	20 16 30.8	SZ	0.2	20.0	1.3	
		eS	16 48	ST	0.3	23.7		
1	LC-	eP	23 20 08.1	SZ	0.5	1.0		
1	LC-	eL	23 22 00	ST	0.6	5.5		
2	MN-	eP	01 49 06.7	SZ	999.9	9999.9	.5	
		eS	49 14	SR	0.5	9.0		
2	HW-	eP	05 22 39.3	SZ	0.2	40.0	.5	
		eS	22 47	SR	0.2	168.7		
2	07 29 24.		39.7 N 111.8 W CENTRAL UTAH					
			H= 33 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	MN-	e	07 30 55	SZ	0.8	2.9	58.1	
		eL	31 58	SR	1.0	8.2		
2	10 55 44.2		17.8 N 67.1 W SOUTH OF PUERTO RICO					
			H= 33 KM MAG 3.60 CGS					
2	DH-	eP	11 01 17.5	SZ	0.5	3.5	25.3	4.24
2	LC-	eP	11 03 05.5	SZ	0.8	.7	38.4	3.54
							AVG.	3.89
2	RK-	eP	11 36 32.5	SZ	0.2	6.8	2.5	
		eS	37 05	SR	0.3	12.5		
2	11 57 17.*		23.5 S 116.6 W EASTER ISLAND REGION					
			H= 33 KM MAG 4.70 CGS					
2	LC-	eP	12 06 58.1	SZ	1.1	9.9	56.4	4.76
2	MN-	eP	12 07 35.1	SZ	1.2	10.2	61.6	4.84
		eLR	27 16	LZ	22	859.9		
2	MV-	eP	12 07 40.0	SZ	1.5	15.5	62.5	4.90
		eL	27 30	LZ	22	460.1		
2	RK-	eP	12 09 05.5	SZ	0.8	5.6	76.7	4.65
2	HW-	eLR	12 24 28	LZ	23	763.2	57.6	
2	DH-	eL	12 32 47	LR	25	278.8	75.6	
							AVG.	4.78
2	12 39 17.6		13.9 N 91.1 W NEAR COAST OF GUATEMALA					
			H=130 KM MAG 4.60 CGS					
2	JE-	eP	12 43 17.8	SZ	1.3	253.0	17.8	5.35
2	LC-	eP	12 44 13.3	SZ	0.7	16.0	23.2	4.56
		epP	44 49	SZ	0.7	20.0		
		eL	51 37	SZ	1.9	29.7		
2	DH-	eP	12 45 29.0	SZ	0.8	10.9	31.5	4.62
		eS	50 40	LT	22	308.4		
		eLR	54 27	LZ	29	1209.6		
		eL	58 18	LT	22	1357.1		
		eL	58 18	LR	21	792.3		
		eL	58 18	LZ	21	2363.3		
2	MN-	eP	12 45 53.5	SZ	0.1	16.6	34.2	5.78
		eL	57 12	LT	25	1857.8		
2	RK-	eP	12 46 12.5	SZ	0.6	6.0	36.9	4.61

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	51 00	LT	22.0	291.5		
		eL	57 35	LT	34	1811.8		
2	MV-	eS	12 51 57	LR	19	235.7	36.6	
		eLR	58 05	LZ	30	457.1		
							AVG.	4.98
2	DH-	eP	14 34 45.0	SZ	0.6	3.8		
2	LC-	eP	14 36 34.0	SZ	0.8	1.5		
2	16 09 46.1		12.5 N 88.0 W NEAR S. COAST OF EL SALVADOR H= 63 KM MAG 4.40 CGS					
2	LC-	eP	16 15 16.2	SZ	0.5	1.5	26.1	3.82
2	DH-	eP	16 16 07.3	SZ	0.6	27.1	31.8	5.23
2	RK-	eP	16 17 02.5	SZ	0.6	3.0	38.5	4.31
							AVG.	4.45
2	16 16 10.7		55.4 N 166.6 E KOMANDORSKIE ISLANDS REGION H= 33 KM MAG 4.50 CGS					
2	LC-	eP	16 26 32.1	SZ	0.8	3.9	62.3	4.60
2	DH-	eP	16 26 48.3	SZ	0.3	19.8	1.7	
		eS	27 02	SR	0.3	40.7		
2	17 19 58.4		1.7 S 77.5 W ECUADOR H= 82 KM MAG 4.60 CGS					
2	LC-	eP	17 27 57.2	SZ	0.8	15.0	43.7	4.78
2	DH-	eP	17 27 58.5	SZ	0.7	9.2	43.8	4.62
2	RK-	eP	17 29 14.5	SZ	0.5	16.2	54.1	5.31
							AVG.	4.90
2	LC-	eP	17 56 55.2	SZ	0.2	1.2	2.9	
		e	57 01	SZ	0.4	2.7		
		eS	57 32	ST	0.5	4.5		
2	18 13 58.5		13.5 N 90.5 W NEAR COAST OF GUATEMALA H= 73 KM MAG 3.60 CGS					
2	18 39 12.2		41.1 N 142.6 E OFF E. COAST HONSHU, JAPAN H= 29 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	MV-	eP	18 50 18.3	SZ	1.2	8.1	69.5	4.68
2	RK-	eP	18 50 57.3	SZ	0.7	4.7	76.1	4.65
							AVG.	4.66
2	MN-	eP	19 21 13.8	SZ	0.3	1.1	.4	
		eS	21 20	SR	0.4	16.4		
2	19 32 41.7		18.9 S 174.8 W TONGA ISLANDS H=105 KM MAG 5.30 CGS					
2	HW-	eP	19 40 32.2	SZ	0.7	146.3	42.9	5.82
		eP	40 33	LZ	13	630.1		
		eS	46 40	LT	23	2838.8		
		eSS	50 03	LT	30	9999.9		
2	MV-	eP	19 44 21.0	SZ	0.8	12.5	76.4	4.79
		eS	53 59	LR	22	1564.2		
		eL	20 04 50	LZ	31	479.8		
2	MN-	eP	19 44 29.6	SZ	999.9	9999.9	77.9	
2	LC-	eP	19 44 56.4	SZ	0.7	9.3	82.8	4.80
2	RK-	eS	19 57 31	LT	20	1590.7	99.0	
		eeS	58 35	LT	20	945.8		
		eSS	20 04 20	LT	23	1332.8		
		eL	10 00	LT	20	1418.7		
2	DH-	eS	19 59 05	LT	21	904.1	109.7	
		eeS	20 00 10	LT	19	659.2		
		eSS	06 50	LT	21	872.9		
		eSSS	11 07	LT	19	593.3		
		eLQ	20 20	LT	26	1000.0		
		eLR	30 00	LZ	23	619.7		
							AVG.	5.13
2	LC-	eP	20 10 13.6	SZ	0.3	12.4	1.4	
		eS	10 32	ST	0.4	10.3		
2	HW-	eP	21 13 01.3	SZ	0.2	80.0	.6	
		eS	13 11	SR	0.2	337.4		
3	01 24 17.		18.8 S 177.7 W FIJI ISLANDS H=552 KM MAG 4.00 CGS					
3	LC-	eP	01 35 55.1	SZ	0.8	3.0	84.9	3.99
3	LC-	eP	01 27 26.5	SZ	0.3	1.3	3.9	
		eS	28 15	SR	0.4	4.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	03 56 56.1		33.1 S 179.9 W KERMADEC ISLANDS REGION H=128 KM					
3	07 04 15.2		43.8 N 128.4 W OFF COAST OF OREGON H= 33 KM MAG 4.30 CGS					
3		MV- eP	07 05 56.7	SZ	0.9	9.5	7.0	4.66
3		LC- eP	07 08 53.5	SZ	0.7	2.5	20.5	3.63
3		RK- eP	07 09 31.5	SZ	1.3	↓	24.4	
3		DH- eL	07 27 25	LZ	15	741.6	38.6	
							AVG.	4.14
3	09 00 41.3		42.4 N 142.2 E NEAR S. CST. HOKKAIDO, JAPAN H= 33 KM MAG 4.20 CGS					
3	15 12 14.9		30.4 S 177.9 W KERMADEC ISLANDS REGION H= 33 KM MAG 4.30 CGS					
3		MV- eP	16 11 34.0	SZ	1.1	4.3		
3		LC- eP	16 12 13.0	SZ	0.8	1.5		
3		MV- eL	16 38 00	LZ	23	203.9		
3		DH- eL	16 57 30	LR	23	138.2		
3	17 03 55.*		45.3 N 153.7 E KURILE ISLANDS H= 33 KM MAG 4.50 CGS					
3	17 20 55.5		6. S 154.6 E SOLOMON ISLANDS REGION H=422 KM MAG 4.80 CGS					
3	18 53 59.8		14.8 S 167.2 E NEW HEBRIDES ISLANDS REGION H=129 KM					
3	19 37 06.7		37.3 N 140.9 E NEAR E. CST. HONSHU, JAPAN H= 80 KM MAG 4.40 CGS					
3		RK- ePKKP	20 07 47	SZ	0.9	↓	80.0	
3	19 50 13.*		37.3 N 76.9 E SINKIANG PROVINCE, CHINA H=256 KM					
3	20 02 33.1		40.3 N 125.1 W NEAR COAST N. CALIFORNIA H= 33 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MV-	eP	20 03 20.5	SZ	0.4	21.3	3.1	4.53
		eL	03 51	ST	0.4	49.3		
		eL	03 51	LT	21	2664.9		
3	DH-	eP	20 09 44.5	SZ	0.7	8.9	37.3	4.67
							AVG.	4.60
3	LC-	eP	20 04 31.0	SZ	0.3	13.0	1.5	
		eS	04 51	ST	0.3	26.4		
3	21 39 31.		4.8 N 125.5 E CELEBES SEA H= 77 KM MAG 4.90 CGS					
3	LC-	ePKKP	22 08 33	SZ	0.8	9.2	118.3	
3	RK-	ePKKP	22 08 38	SZ	0.5	↓	115.2	
3	DH-	eP	22 01 37.8	SZ	1.2	97.1		
4	00 48 09.*		44.1 N 30.4 W AZORES REGION H= 33 KM MAG 4.20 CGS					
4	DH-	eLR	01 04 02	LZ	23	373.1	32.2	
4	MV-	eLR	01 21 10	LZ	18		64.7	
4	01 17 26.*		43.9 N 29.7 W AZORES REGION H= 33 KM MAG 4.50 CGS					
4	DH-	eLR	01 56 00	LZ	23.0	285.3		
4	DH-	eLR	02 14 23	LZ	26	436.2		
4	02 22 31.5		71.3 N 5.7 W SVALBARD REGION H= 33 KM MAG 3.80 CGS					
4	02 58 29.2		43.6 N 28.9 W AZORES REGION H= 33 KM MAG 4.50 CGS					
4	RK-	eP	03 06 28.5	SZ	1.0	8.1	43.3	4.41
		ePP	08 11	SZ	1.3	10.3		
4	LC-	eP	03 08 33.5	SZ	1.0	2.5	60.2	4.25
		ePP	10 42	SZ	1.0	2.5		
4	MV-	eLR	03 32 45	LZ	21		65.9	
							AVG.	4.33

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	03 17 22.7		20.9 S 168.6 E LOYALTY ISLANDS REGION					
			H= 33 KM MAG 4.60 CGS					
4	MV-	eP	03 30 13.8	SZ	1.0	8.8	88.6	4.93
		e	30 26	SZ	0.9	8.1		
4	04 06 27.6		7.1 S 129.5 E BANDA SEA					
			H=120 KM MAG 5.30 CGS					
4	LC-	eP'	04 25 11.0	SZ	1.0	7.6	122.3	
		ePKKP	35 08	SZ	1.0	7.6		
4	05 03 38.1		53.8 N 167.9 W FOX ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.30 CGS					
4	LC-	eP	05 12 15.6	SZ	1.0	2.5	47.9	4.21
4	06 08 58.6		33.8 S 179.6 W KERMADEC ISLANDS REGION					
			H= 47 KM					
4	07 17 41.2		4.2 N 123.1 E CELEBES SEA					
			H=588 KM MAG 5.00 CGS					
4	DH-	eL	09 16 50	LZ	26.0		252.5	
4	LC-	eP	11 58 11.2	SZ	1.0		5.1	
4	12 59 10.*		42.5 N 29.0 W AZORES REGION					
			H= 33 KM MAG 4.20 CGS					
4	13 11 16.*		25.8 N 110.5 W GULF OF CALIFORNIA					
			H= 33 KM MAG 3.90 CGS					
4	LC-	eP	13 13 00.0	SZ	1.2	7.8	7.4	4.52
		eL	15 10	SR	0.9	9.2		
4	MV-	eLR	13 33 05	LZ	19		16.2	
4	15 24 07.6		6.3 S 130.2 E BANDA SEA					
			H=171 KM MAG 5.70 CGS					
4	16 16 30.9		43.6 N 29.3 W AZORES REGION					
			H= 33 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	MV-	eLR	16 50 55	LZ	28.0		65.6	
4	DH-	eP	16 37 23.6	SZ	0.3	18.5	1.9	
		eS	37 49	SR	0.4	39.3		
4	17 02 59.8		10.9 S 164.5 E SOLOMON ISLANDS REGION					
			H= 33 KM MAG 4.70 CGS					
4	17 33 43.3		43.3 N 46.1 E EASTERN CAUCASUS					
			H= 58 KM					
4	DH-	eP	19 12 51.1	SZ	0.3	12.3	1.8	
		eS	13 15	SR	0.4	45.8		
4	LC-	eP	20 29 14.5	SZ	0.2	17.0	1.5	
		eS	29 33	SR	0.2	15.1		
4	21 31 49.*		34.8 N 23.9 E OFF S.W. COAST OF CRETE					
			H= 40 KM MAG 4.20 CGS					
4	22 34 06.3		6.8 S 129.8 E BANDA SEA					
			H=108 KM MAG 5.20 CGS					
4	23 34 22.5		19.3 S 175.6 W TONGA ISLANDS REGION					
			H=222 KM MAG 4.00 CGS					
4	LC-	eP	23 46 29.0	SZ	0.8	7.5	83.6	4.50
4	23 53 19.4		11.8 N 125.6 E LEYTE, PHILIPPINE ISLANDS					
			H= 91 KM MAG 5.70 CGS					
5	00 01 19.6		11.5 N 126.0 E NEAR COAST OF LEYTE, P.I.					
			H= 40 KM MAG 4.70 CGS					
5	02 23 49.9		50.6 N 156.5 E SOUTHERN KAMCHATKA					
			H= 60 KM MAG 4.70 CGS					
5	03 42 34.7		18.9 S 169.4 E NEW HEBRIDES ISLANDS REGION					
			H=249 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5			06 00 41.3	45.2 S 96.4 E INDIAN OCEAN				
				H= 40 KM MAG 5.50 CGS				
5	MN-	eP*1	06 20 33.1	SZ	1.2	5.1	153.5	
		eL	07 12 40	LZ	35	1808.1		
5	MV-	eP*1	06 20 36.0	SZ	1.3	24.2	151.6	
		e	44 10	LT	26	412.0		
		eLR	07 11 45	LZ	28	1207.7		
		eL	15 30	LT	23	1223.5		
		eL	15 30	LR	24	579.7		
		eL	15 30	LZ	25	1462.2		
5	HW-	e	06 52 52	LT	18	710.3	116.4	
		eLR	55 10	LZ	40	1094.1		
5			07 42 42.8	35.9 N 140.4 E NEAR E. COAST HONSHU, JAPAN				
				H= 85 KM MAG 4.20 CGS				
5	MV-	eP	08 38 40.5	SZ	0.3	31.4	1.4	
		eS	38 58	SR	0.3	27.4		
5			10 01 41.5	11.3 S 162.4 E SOLOMON ISLANDS REGION				
				H= 33 KM MAG 4.60 CGS				
5			10 05 37.2	11.2 S 162.2 E SOLOMON ISLANDS REGION				
				H= 38 KM MAG 5.10 CGS				
5	MV-	eP	10 18 18.2	SZ	0.8	4.2	86.8	4.63
		eSKS	28 54	LR	21	249.4		
		eLR	44 55	LZ	28	700.4		
		eL	58 28	LT	19	487.5		
		eL	58 28	LR	18	276.6		
		eL	58 28	LZ	18	582.8		
5	HW-	e	10 22 25	LZ	20	973.5	51.7	
		eLQ	26 57	LT	19	1093.7		
		eLR	28 58	LZ	29	1642.0		
5	MN-	eL	10 46 07	LZ	32	992.4	88.9	
5	MN-	eP	11 08 29.1	SZ	1.4	25.7		
5			11 42 52.5	39.4 N 125.1 W OFF COAST N. CALIFORNIA				
				H= 33 KM MAG 4.30 CGS				
5	MN-	eP	11 44 15.1	SZ	0.3	2.3	.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	44 24	SR	0.5	3.1		
5			12 40 52.8	39.2 N 114.2 W EASTERN NEVADA				
				H= 33 KM MAG 3.40 CGS				
5	MN-	eP	12 41 41.9	SZ	0.3	.2	.7	
		eS	41 53	SR	0.5	4.3		
5			14 30 18.*	12.1 N 88.1 W OFF COAST OF EL SALVADOR				
				H= 53 KM MAG 4.30 CGS				
5	LC-	eP	14 35 52.0	SZ	0.5	1.9	26.4	3.95
5	LC-	eP	17 13 37.1	SZ	0.2	1.8	2.0	
		eS	14 04	SR	0.2	4.3		
5	LC-	eP	18 41 40.0	SZ	0.2	7.2	1.5	
		eS	41 59	ST	0.3	5.2		
5	MN-	eP	19 33 24.0	SZ	0.3	2.1	.6	
		eS	33 33	SR	0.4	11.9		
5			20 31 57.4	16.4 S 173.0 W TONGA ISLANDS REGION				
				H= 33 KM MAG 4.70 CGS				
5	MV-	eP	20 43 35.2	SZ	1.5	21.1	73.4	4.92
5	LC-	eP	20 44 06.0	SZ	0.7	1.2	79.9	3.93
5	HW-	eLR	20 50 55	LZ	22	733.6	39.9	
							AVG.	4.42
5	MN-	eP	20 34 01.3	SZ	999.9	9999.9	.6	
		eS	34 11	SR	0.4	13.0		
5	MV-	eLR	21 05 18	LZ	25	1063.4		
5	MN-	eL	21 06 53	LZ	25	1593.5		
5	LC-	eL	21 30 46	SR	0.6	1.0		
5			22 27 22.7	52.8 N 170.0 W FOX ALEUTIAN ISLANDS				
				H= 33 KM MAG 4.10 CGS				
6	MV-	eP	01 32 58.0	SZ	0.4	9.3	.3	
		eS	33 03	ST	0.4	19.8		
6	MV-	eP	01 44 04.3	SZ	0.3	4.8	.6	
		eS	44 13	ST	0.5	21.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	MN=	eP	01 48 11.4	SZ	0.3	15	1.5	
		eS	48 29	SR	0.4	10.5		
6	02 36 36.3		41.1 N 142.5 E OFF N.E. COAST HONSHU, JAPAN					
			H= 34 KM MAG 4.80 CGS					
6	NP=	eP	02 45 47.2	SZ	0.9	20.0	52.4	5.08
6	MN=	eP	02 47 59.3	SZ	1.0	5.8	72.0	4.56
		e	48 04	SZ	1.2	14.1		
							AVG.	4.82
6	02 55 12.*		12.4 N 87.6 W NEAR W. COAST OF NICARAGUA					
			H=100 KM MAG 3.90 CGS					
6	12 54 35.9		4.2 S 134.6 E NEAR CST. WESTERN NEW GUINEA					
			H= 33 KM					
6	18 57 16.1		6.1 S 154.4 E NEW BRITAIN REGION					
			H= 74 KM MAG 6.00 CGS					
6	MN=	iP	19 10 16.4C	SZ	1.5	56.3	91.8	5.66
		eP	10 20	LZ	21	323.3		
		eSKS	20 55	LT	35	668.8		
		e	22 36	LT	23	681.8		
		eSS	27 31	LR	25	838.1		
		eSSS	31 12	LT	40	1256.2		
		eLQ	34 41	LT	33	398.4		
		eLR	39 15	LZ	29	4236.6		
6	NP=	eP	19 10 28.9	SZ	0.6	1.8	95.0	4.68
		eL	41 13	LZ	35	1629.4		
							AVG.	5.17
6	LC=	eP	20 18 00.0	SZ	0.3	4.6	1.4	
		eS	18 17	ST	0.4	4.9		
6	20 42 55.8		19.5 S 174.5 E FIJI ISLANDS REGION					
			H= 56 KM MAG 4.60 CGS					
6	21 05 50.2		19.7 S 70.5 W NORTHERN CHILE					
			H= 50 KM MAG 5.30 CGS					
6	DH=	eP	21 16 06.5	SZ	0.7	75.5	61.8	5.92

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	38 50	LZ	30.0	918.1		
6	LC=	eP	21 16 09.4	SZ	1.0	23.3	62.3	5.24
6	MN=	iP	21 17 18.5C	SZ	0.7	14.0	73.1	5.05
6	MV=	eP	21 17 31.5	SZ	1.2	16.6	75.4	4.86
6	NP=	eL	22 02 43	LZ	30	830.4	100.2	
							AVG.	5.26
6	MN=	eL	21 09 13	LZ	30	319.8		
6	HW=	eP	23 06 50	LZ	20	745.6		
6	MV=	eP	23 10 10	LZ	22	518.4		
6	HW=	e	23 14 25	LR	13	5341.4		
6	MV=	e	23 20 40	LR	30	869.4		
6	HW=	e	23 20 45	LZ	27	2530.7		
6	HW=	eL	23 22 35	LZ	30	5429.8		
6	MV=	e	23 27 20	LZ	25	615.1		
6	MV=	e	23 33 50	LZ	27	781.4		
6	MV=	e	23 38 25	LZ	30	3021.5		
6	DH=	e	23 43 35	LR	26	4332.3		
6	23 51 28.5		22.9 S 173.1 E LOYALTY ISLANDS REGION					
			H= 54 KM MAG 4.60 CGS					
6	DH=	eLQ	23 55 30	LR	35.0	2176.8		
6	DH=	eLR	23 58 38	LZ	32	4889.5		
7	01 46 21.1		21.4 S 179.3 W FIJI ISLANDS REGION					
			H=593 KM MAG 4.10 CGS					
7	03 34 25.2		20.2 S 177.8 W FIJI ISLANDS REGION					
			H=481 KM MAG 4.20 CGS					
7	04 51 05.*		18.6 S 70.4 W NORTHERN CHILE					
			H=112 KM MAG 4.50 CGS					
7	07 25 03.9		3.5 N 97.1 E NORTHERN SUMATRA					
			H= 82 KM MAG 5.30 CGS					
7	RK=	eP	07 43 55.8	SZ	0.6			125.1
7	MV=	eP	07 43 56.5	SZ	1.0	12.3		124.7
		eLR	08 20 08	LZ	22	224.2		
7	MN=	eP	07 44 02.4	SZ	1.1	10.2		127.1
		eL	08 20 28	LZ	22	142.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	07 44 08.1		71.7 N 1.4 W JAN MAYEN ISLAND REGION H= 33 KM MAG 4.50 CGS					
7	LC=	eP	07 54 40.0	SZ	1.0	6.9	64.2	4.74
		e	58 35	SZ	1.0	1.1		
7	RK=	eLR	08 05 00	LZ	24		43.5	
7	LC=	eP	08 29 40.5	SZ	0.2	.5		
7	LC=	eL	08 31 53	ST	0.6	1.0		
7	09 58 57.1		70.8 N 2.4 E JAN MAYEN ISLAND REGION H= 33 KM					
7	11 01 12.1		4.1 S 130.3 E BANDA SEA H= 33 KM MAG 4.20 CGS					
7	MN=	ePS	11 29 28	LR	38.0	314.7	109.4	
		e	31 10	LZ	30	368.4		
		eL	48 58	LZ	23	499.8		
7	JE=	eLR	11 17 17	LZ	30.0	881.2		
7	RK=	eL	11 24 22	LZ	25			
7	MV=	eLR	11 32 35	LZ	30	445.6		
7	RK=	eP	12 11 29.2	SZ	0.2	∿	1.9	
		eS	11 55	SR	0.3	8.8		
7	13 09 17.*		26.1 N 125.5 E RYUKYU ISLANDS H=161 KM MAG 3.80 CGS					
7	MN=	eP	15 13 51.4	SZ	0.3	5.0	1.3	
7	MV=	eP	15 13 51.5	SZ	0.3	1.8	1.3	
7	MN=	eS	15 14 08	SR	0.5	9.5	1.3	
7	MV=	eS	15 14 09	ST	0.4	2.1	1.3	
7	RK=	eP	17 09 21.5	SZ	0.2	∿	2.4	
		eS	09 52	SR	0.3	22.1		
7	LC=	eP	17 14 36.2	SZ	0.2	6.6	2.4	
		eS	15 07	ST	0.3	8.5		
7	DH=	eP	18 22 41.0	SZ	0.3	10.2	1.7	
		eS	23 04	SR	0.4	24.5		
7	MN=	eP	19 11 36.4	SZ	0.3	1.7	1.2	
		eS	11 52	SR	0.3	3.2		
7	LC=	eP	19 47 54.5	SZ	0.2	6.6	1.4	
		eS	48 13	ST	0.2	9.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	LC=	eP	19 55 18.2	SZ	0.2	9.9	1.5	
		eS	55 37	SR	0.2	8.5		
7	21 06 06.9		5.6 S 152.7 E NEW BRITAIN H= 62 KM MAG 4.80 CGS					
7	23 06 27.7		61.6 N 151.4 W SOUTHERN ALASKA H= 72 KM MAG 4.40 CGS					
7	23 13 25.4		19.9 S 177.9 W FIJI ISLANDS H=534 KM MAG 4.50 CGS					
7	MV=	eP	23 24 35.5	SZ	0.9	8.1	79.1	4.16
7	LC=	eP	23 25 10.0	SZ	1.0	11.5	85.7	4.49
		e	28 03	ST	0.8	2.8		
							AVG.	4.32
8	01 35 48.1		44. S 168.4 E SOUTH ISLAND, NEW ZEALAND H= 33 KM MAG 5.60 CGS					
8	LC=	ePP	01 54 42	LZ	21.0	119.6	108.4	
		eSKS	02 00 59	LT	22	489.1		
		ePS	04 15	LT	21	575.3		
		eLQ	21 05	LR	33	819.1		
		eLR	26 24	LZ	28	904.1		
8	NP=	eP	01 54 50.9	SZ	0.7	5.5	128.3	
		ePP	57 11	SZ	1.5	18.7		
		eSKKP	02 08 08	SZ	1.8	31.2		
		eL	41 32	LZ	26	849.4		
8	HW=	e	01 56 41	LT	22	1167.5	71.7	
		eL	02 09 56	LZ	29	1616.0		
8	DH=	eSKP	01 58 41	LZ	24	743.4	134.8	
		e	02 10 11	LZ	21	388.1		
		eL	40 20	LZ	31	1129.3		
8	JE=	eSP	02 05 55	LZ	19	986.8	117.7	
		ePPS	07 08	LT	23	562.3		
		eL	34 38	LT	24	943.6		
8	MV=	eL	02 24 20	LZ	27	1652.1	104.3	
8	MN=	eLR	02 25 07	LZ	30	1603.5	105.5	
8	04 55 28.1		60.4 N 153.3 W KENAI PENINSULA REGION H=158 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	NP-	eP	04 59 47.5	SZ	0.7	13.3	19.7	4.50
		e	59 50	SZ	0.5	70.7		
		ePP	05 00 00	SZ	0.8	25.4		
		e	03 28	SZ	1.3	13.6		
8	MN-	eP	05 01 33.6	SZ	0.7	5.3	31.1	4.38
							AVG.	4.44
8	HW-	iP	05 02 02.6D	SZ	0.2	447.7	.7	
		eS	02 13	ST	0.2	453.5		
8	NP-	eP	06 00 57.0	SZ	0.2	14.1	.8	
		eS	01 08	ST	0.5	17.4		

8 06 26 12.* 22.3 S 67.1 W SOUTHERN BOLIVIA
H=302 KM MAG 3.90 CGS

8	MN-	eL	07 52 46	LZ	20.0	134.3	

8 10 37 20.* 6.7 S 125.9 E BANDA SEA
H=540 KM

8 11 55 49.7 46. S 146.8 E SOUTH OF TASMANIA
H= 33 KM

8	LC-	eL	12 48 05	LZ	27.0	235.3	123.4

8	LC-	eL	15 02 31	LZ	18.0	91.9	

8 16 25 27.* 26.7 S 112.0 W EASTER ISLAND REGION
H= 33 KM MAG 4.60 CGS

8	MN-	eP	16 36 07.3	SZ	0.8	2.4	65.0	4.39
		e	36 11	SZ	1.2	11.5		
		eL	57 45	LZ	25	152.2		
8	LC-	eLQ	16 52 21	LR	24	273.9	59.0	
		eLR	55 30	LZ	32	501.5		
8	HW-	eL	16 55 00	LZ	21	452.3	62.8	

8 17 20 04.2 51.7 N 178.0 E RAT ALEUTIAN ISLANDS
H= 33 KM MAG 4.10 CGS

8 17 39 35.* 4.7 S 152.7 E NEW BRITAIN
H= 83 KM MAG 4.40 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	17 44 02.*		10.9 S 161.8 E SOLOMON ISLANDS					
			H=100 KM MAG 4.70 CGS					
8	17 51 06.5		4.6 S 152.6 E NEW BRITAIN REGION					
			H= 69 KM MAG 4.70 CGS					
8	19 12 44.3		21. N 105.5 W JALISCO, MEXICO					
			H= 33 KM MAG 4.10 CGS					
8	LC-	eP	19 15 29.8	SZ	0.9	3.4	11.4	4.53
		eL	18 54	SR	1.0	2.5		
		eL	18 55	LR	19	396.5		
8	MN-	eP	19 17 22.9	SZ	1.1	6.1	20.5	3.82
		eL	23 47	LT	20	407.3		
							AVG.	4.17
8	LC-	eP	19 35 30.6	SZ	0.2	12.1	1.4	
		eS	35 50	ST	0.4	7.4		
8	19 44 36.		21.3 N 105.2 W JALISCO, MEXICO					
			H= 33 KM MAG 4.00 CGS					
8	LC-	eP	19 47 18.8	SZ	0.8	2.6	11.1	4.50
		eL	50 47	SR	0.9	1.9		
		eL	50 53	LR	18	295.8		
8	MN-	eP	19 49 11.5	SZ	1.0	5.0	20.4	3.76
							AVG.	4.13
8	MN-	eP	22 15 58.2	SZ	0.3	1.1	2.8	
		eS	16 33	SR	0.5	9.9		
8	23 05 04.6		5.1 S 151.3 E NEW BRITAIN					
			H=156 KM MAG 4.70 CGS					
8	MN-	eP	23 18 05.3	SZ	1.0	5.0	93.6	4.71
8	MN-	eP	23 24 08.9	SZ	0.3	2.0	.8	
		eS	24 19	SR	0.3	7.3		
9	02 06 30.7		37.6 N 118.4 W MONO COUNTY, CALIFORNIA					
			H= 14 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	MN-	eP	02 06 47.3	SZ	9999.9	9999.9	.9	
9	MV-	eP	02 07 18.5	SZ	0.4	16.7	2.8	
		e	07 24	SZ	0.5	24.5		
		eL	07 55	ST	0.7	9999.9		
9	09 48 49.8		4.8 N 32.8 W MID ATLANTIC OCEAN H= 33 KM MAG 4.80 CGS					
9	LC-	eP	10 00 23.6	SZ	1.4	8.2	73.8	4.52
		eLR	16 30	LZ	23	84.5		
9	NP-	eP	10 01 20.7	SZ	1.1	5.8	84.6	4.62
9	MN-	eL	10 30 20	LZ	30	93.9	83.4	
							AVG.	4.57
9	LC-	eP	10 25 13.2	SZ	0.2	1.1	3.1	
		eS	25 51	SR	0.3	3.0		
9	10 27 33.1		36.2 N 71.5 E HINDU KUSH H=132 KM MAG 4.80 CGS					
9	NP-	eP	10 38 16.8	SZ	0.7	6.4	67.6	4.56
		epP	38 43	SZ	0.9	7.3		
9	12 11 31.*		22. S 179.1 W FIJI ISLANDS H=492 KM					
9	14 53 26.3		61.4 N 146.6 W SOUTHERN ALASKA H= 33 KM MAG 3.90 CGS					
9	LC-	eP	16 56 31.8	SZ	0.3	2.0	2.7	
		eS	57 03.0	ST	0.4	5.9		
9	DH-	eP	19 00 43.2	SZ	0.3	3.4	1.5	
		eS	01 02	SR	0.4	27.5		
9	19 41 01.3		36.5 N 70.9 E HINDU KUSH H=181 KM					
9	NP-	eP	19 51 37.2	SZ	1.0	11.5	67.3	4.59
		epP	52 21	SZ	1.0	13.1		
9	LC-	eP	19 58 20.0	SZ	0.2	16.5	1.5	
		eS	58 38	ST	0.3	8.2		
9	DH-	eP	19 59 44.8	SZ	0.3	6.9	1.8	
		eS	20 00 09	SR	0.4	24.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	20 49 55.5		35.2 N 118.7 W KERN COUNTY, CALIFORNIA H= 14 KM MAG 4.30 CGS					
9	MN-	eP	20 50 50.9	SZ	0.6	9999.9	3.3	
		eL	51 32	ST	0.6	16.1		
9	MV-	eP	20 51 05.0	SZ	0.5	2.6	4.5	3.83
		e	51 15	SZ	0.3	8.8		
		eL	52 07	SR	0.4	11.4		
9	MV-	eP	23 37 55.5	SZ	0.3	3.5	1.5	
		eS	38 01	ST	0.3	4.6		
10	MN-	eP	00 16 35.7	SZ	999.9	9999.9	.5	
		eS	16 43	SR	0.6	8.2		
10	LC-	eL	00 42 05	LZ	22	137.9		
10	MN-	eP	01 56 54.9	SZ	0.5	.6	3.0	
		e	56 57	SZ	0.5	2.8		
		eS	57 32	SR	0.5	11.5		
10	NP-	eP	06 28 24.0	SZ	0.7	8.8		
10	07 02 08.*		6.3 S 104.4 E NEAR W. COAST OF SUMATRA H= 62 KM MAG 5.20 CGS					
10	09 04 13.6		19.2 N 108.6 W OFF COAST OF JALISCO, MEXICO H= 33 KM MAG 4.30 CGS					
10	LC-	eP	09 07 23.5	SZ	1.5	30.9	13.3	4.97
		eP	07 25	LZ	14	113.8		
		e	10 05	LZ	16	193.0		
		eL	10 43	LT	21	1068.2		
10	MN-	eP	09 08 55.9	SZ	1.1	18.5	20.9	4.32
		eLQ	13 13	LT	33	410.0		
		eLR	14 56	LZ	27	459.8		
10	MV-	eP	09 09 14.5	SZ	0.9	2.7	22.8	3.70
		eL	16 08	LZ	22	290.3		
10	NP-	eP	09 14 00.0	SZ	0.8	8.3	57.4	4.82
							AVG.	4.45
10	HW-	eP	10 54 52.8	SZ	0.3	263.4	1.1	
		eS	55 07	ST	0.3	1213.5		
10	11 26 57.4		25. S 69.2 W NORTHERN CHILE H= 46 KM MAG 4.40 CGS					
10	12 38 11.7		8.1 S 117.8 E FLORES SEA H= 33 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	13 59 54.8		1.9 N 127.5 E MOLUCCA PASSAGE H=117 KM MAG 5.60 CGS					
10	NP-	eP	14 12 58.5	SZ	0.7	22.2	93.7	5.63
10	LC-	e	14 20 57	LZ	17	92.6	118.9	
		ePS	29 35	LR	20	86.1		
		e	36 14	LT	30	265.1		
10	MN-	eSS	14 34 04	LR	28	193.9	108.0	
		eLR	50 32	LZ	20	172.3		
10	HW-	eLR	14 39 00	LZ	18	571.8	77.4	
10	MV-	eL	14 48 35	LZ	25	318.1	105.4	
10	DH-	eP	15 30 04.2	SZ	0.3	17.6	1.8	
		eS	30 29	SR	0.3	48.6		
10	LC-	eP	16 32 29.3	SZ	0.3	9.1	1.5	
		eS	32 49	SR	0.3	8.1		
10	20 11 32.8		17.9 S 168.2 E NEW HEBRIDES ISLANDS H= 31 KM MAG 3.90 CGS					
10	MN-	eP	20 13 48.0	SZ	0.4	.9	1.3	
		eS	14 04	SR	0.5	4.9		
10	LC-	eP	21 18 50.0	SZ	0.4	10.0	1.4	
		eS	19 09	SR	0.5	13.1		
10	21 46 37.*		6.9 S 125.6 E BANDA SEA H=514 KM MAG 5.20 CGS					
10	22 48 53.7		18.2 S 70.6 W CHILE PERU BORDER H=132 KM MAG 4.40 CGS					
10	23 10 24.4		6.8 S 129.4 E BANDA SEA H=141 KM MAG 5.10 CGS					
10	MN-	eP	23 41 58.0	SZ	0.5	4.7	3.0	
		eS	42 35	SR	0.5	9.3		
11	00 09 02.7		42.5 N 45.0 E GEORGIA S.S.R. H= 29 KM MAG 4.60 CGS					
11	LC-	eL	01 07 55	LT	15	95.6	101.0	
11	01 06 00.4		1.8 N 127.1 E MOLUCCA PASSAGE H= 58 KM MAG 5.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	NP-	eP	01 19 12.3	SZ	0.8	8.8	93.7	5.20
		e	29 28	SR	2.1	130.7		
		eS	30 17	ST	2.2	140.6		
		ePKKP	36 15	SZ	1.4	21.8		
11	MN-	ePP	01 24 35	SZ	1.1	5.7	108.0	
		eSKP	28 00	LZ	15	143.5		
		eSKS	31 03	LR	26	223.5		
		ePS	34 15	LR	26	433.6		
		e	35 12	LZ	25	238.3		
		eSS	40 05	LT	20	277.2		
		eLQ	50 54	LT	30	512.5		
		eLR	56 07	LZ	35	1233.4		
11	RK-	eP	01 24 39.5	SZ	0.9	26.9	117.1	
11	LC-	eP	01 24 45.4	SZ	1.0	18.2	118.9	
		eSKP	28 14.0	SZ	1.0	14.0		
		e	33 01	LR	15	175.4		
		ePS	35 45	LR	23	474.6		
		e	41 55	LT	17	288.5		
		eLQ	58 53	LT	26	348.1		
		eLR	02 06 20	LZ	26	317.3		
11	MN-	eL	01 07 43	LZ	20.0	140.2		
11	04 39 31.*		36.7 N 33.4 W AZORES REGION H= 33 KM MAG 4.30 CGS					
11	MN-	eP	04 50 09.5	SZ	1.0	3.3	64.8	4.42
11	04 59 46.*		54.7 N 169.9 W ALEUTIAN FOX ISLANDS REGION H= 33 KM MAG 4.20 CGS					
11	05 50 51.9		38.2 S 74.3 W NEAR COAST OF S. CHILE H= 33 KM MAG 4.70 CGS					
11	LC-	eP	06 02 40.1	SZ	0.9	7.5	76.4	4.72
		eS	12 08	LT	17	166.4		
		eLQ	25 37	LT	22	240.4		
		eLR	30 04	LZ	18	223.2		
11	MN-	eL	06 37 56	LZ	15	172.2	86.3	
11	06 41 08.*		57.9 N 158.6 W ALASKA PENINSULA H=127 KM MAG 4.40 CGS					
11	LC-	eP	06 48 59.0	SZ	1.0	5.6	43.2	4.19
11	07 19 29.*		2.5 S 76.6 W PERU ECUADOR BORDER H=162 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	18 23 19.6		31.9 N 132.4 E NEAR E. CST. KYUSHU, JAPAN H= 33 KM MAG 4.70 CGS					
11	NP-	eP	18 33 47.1	SZ	1.5	30.0	63.5	5.17
11	MN-	eP	18 41 38.1	SZ	999.9	9999.9	.7	
		eS	41 48	SR	0.4	3.8		
11	19 19 06.2		46.9 N 8.5 E SWITZERLAND H= 33 KM					
11	LC-	eL	20 51 20	LZ	17	113.7	81.8	
11	LC-	eP	20 33 21.3	SZ	0.3	6.5	1.4	
		eS	33 40	SR	0.4	11.9		
11	DH-	eP	21 13 23.0	SZ	0.3	31.6	1.8	
		eS	13 47	SR	0.3	83.3		
11	23 34 21.*		27.7 N 57.5 E SOUTHERN IRAN H= 42 KM MAG 4.60 CGS					
11	MN-	eP	23 38 05.5	SZ	0.4	1.1	2.9	
		eS	38 42	SR	0.5	2.9		
12	MN-	eP	00 03 18.9	SZ	0.4	3.1	1.3	
		eS	03 36	SR	0.5	5.3		
12	03 55 14.		23.4 N 121.6 E NEAR E. COAST OF TAIWAN H= 33 KM MAG 5.20 CGS					
12	DH-	eL	04 55 20	LT	20.0	199.9	112.9	
12	04 30 21.1		22.9 S 179.2 W FIJI ISLANDS REGION H=378 KM MAG 4.60 CGS					
12	HW-	eP	05 31 11.5	SZ	0.3	252.9	.8	
		eS	31 22	ST	0.4	443.8		
12	05 39 03.*		5.2 N 127.5 E TALAUD ISLANDS REGION H= 33 KM					
12	10 37 04.3		21.9 S 179.5 W FIJI ISLANDS REGION H=561 KM MAG 4.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	MN-	eP	11 57 00.6	SZ	0.3	1.1	.1	
		eS	57 02	SR	0.4	2.7		
12	LC-	eP	14 27 17.8	SZ	0.7	1.2		
12	DH-	eP	15 14 24.0	SZ	0.3	13.4	1.8	
		eS	14 48	ST	0.4	22.5		
12	16 12 15.5		18.2 S 167.4 E NEW HEBRIDES ISLANDS H= 33 KM MAG 4.30 CGS					
12	LC-	eP	18 08 27.0	SZ	0.4	1.7	3.7	
		e	08 32	SZ	0.4	3.5		
		eS	09 13	ST	0.4	4.9		
12	18 35 18.*		20.1 N 109.0 W REVILLA GIGEDO ISLANDS REG. H= 33 KM MAG 3.90 CGS					
12	LC-	eP	18 38 18.0	SZ	1.0	12.8	12.4	4.94
		eL	41 08	LR	18	656.6		
12	MN-	e	19 06 21	LR	27.0	578.0		
12	MN-	e	19 16 51	LT	28	749.6		
12	MN-	eL	19 21 19	LZ	30	801.5		
12	MN-	eLR	19 24 01	LZ	20	521.0		
12	19 32 20.2		36.4 N 140.4 E NEAR E. COAST HONSHU, JAPAN H= 85 KM MAG 4.30 CGS					
12	LC-	eP	20 45 30.6	SZ	0.2	16.4	1.5	
		eS	45 50	ST	0.3	14.9		
		eP	22 01 15.2	SZ	0.2	7.3		
		eS	01 35	ST	0.3	30.7		
12	22 32 56.7		13.5 N 122.9 E NEAR S. CST. OF LUZON, P.I. H= 33 KM MAG 5.30 CGS					
12	LC-	ePS	23 02 00	LR	23.0	117.1	114.3	
		eSS	08 13	LR	21	157.8		
		eLQ	20 52	LT	34	462.0		
		eLR	26 10	LZ	26	248.9		
		eL	32 17	LR	22	468.4		
		eL	32 17	LT	21	280.2		
		eL	32 17	LZ	23	403.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	HW-	eL	23 08 05	LZ	30.0	499.0	77.5	
12	22 56 22.		5.6 S 153.0 E SOLOMON ISLANDS H= 40 KM					
12	DH-	eL	23 06 00	LT	35.0	496.1		
13	01 20 18.*		33.2 N 83.4 W CENTRAL GEORGIA H= 40 KM MAG 4.40 CGS					
13	03 46 59.*		25.5 N 142.5 E VOLCANO ISLANDS H= 33 KM MAG 4.70 CGS					
13	NP-	eL	04 17 42	LZ	20.0	1907.9	67.3	
13	04 26 23.5		4.1 S 105.1 W WEST OF GALAPAGOS ISLANDS H= 33 KM MAG 4.60 CGS					
13	NP-	eP	04 38 33.4	SZ	0.9	11.7	80.7	4.83
13	MN-	e	04 45 45	LT	30	209.0	44.0	
		eL	47 46	LZ	25	771.5		
13	HW-	eLQ	04 50 00	LR	18	862.8	55.2	
		eLR	51 20	LZ	27	2175.4		
13	RK-	eL	04 52 45	LT	31	1148.2	55.6	
		eL	58 25	LR	17	3676.8		
		eL	58 25	LT	18	1584.2		
13	DH-	eL	04 54 22	LT	28	607.6	53.7	
13	05 51 31.2		52.1 N 170.0 W FOX ALEUTIAN ISLANDS H= 33 KM MAG 4.60 CGS					
13	NP-	eP	05 57 48.7	SZ	0.7	20.5	30.9	5.10
		eL	06 11 27	LZ	24	1607.3		
13	RK-	eP	05 59 47.5	SZ	0.8	22.5	45.5	5.13
		e	06 06 20	LR	18	785.3		
		e	09 58	LR	21	1533.8		
		eL	15 22	LR	27	1759.3		
		eL	17 08	LR	23	2334.5		
		eL	17 08	LT	22	1269.5		
13	LC-	eP	06 00 17.5	SZ	0.6	4.0	49.2	4.59
		e	00 33	SZ	1.0	26.9		
13	DH-	eP	06 01 42.1	SZ	0.7	9.3	60.9	4.99
		eL	21 47	LR	27	1183.6		
		eL	24 35	LR	24	1645.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	24 35	LT	22.0	968.6		
13	HW-	e	06 03 45	LZ	22	534.8	33.9	
		eLR	06 45	LZ	28	1259.2		
13	MN-	ePCS	06 04 54	LR	25	123.4	38.1	
		eLQ	07 38	LT	23	211.8		
		eLR	12 16	LZ	17	175.9		
13	JE-	eL	06 25 00	LR	23	1265.1	58.5	
							AVG.	4.95
13	06 19 02.5		17.7 S 178.7 W FIJI ISLANDS H=522 KM MAG 4.60 CGS					
13	MN-	eP	06 30 16.8	SZ	0.8	9.1	79.6	4.26
13	LC-	eP	06 30 45.0	SZ	1.0	8.9	85.0	4.35
							AVG.	4.30
13	08 13 51.6		8.9 N 69.8 W WESTERN VENEZUELA H= 33 KM MAG 4.10 CGS					
13	MN-	eP	08 14 22.9	SZ	0.3	3.9	1.6	
		eS	14 45	SR	0.4	5.2		
13	08 38 32.*		24. S 179.0 E SOUTH OF FIJI ISLANDS H=512 KM MAG 4.50 CGS					
13	LC-	eP	08 50 40.0	SZ	1.0	6.4	90.4	4.51
13	11 54 06.1		12.9 N 90.4 W NEAR COAST OF GUATEMALA H=128 KM MAG 4.90 CGS					
13	JE-	eP	11 58 16.9	SZ	1.0	140.0	18.9	5.29
		eP	58 18	LZ	18	500.0		
		e	59 20	SZ	0.9	53.8		
13	LC-	eP	11 59 10	LZ	17	367.2	24.4	
		eP	59 12.5	SZ	0.5	43.0		5.19
		eS	12 03 25	LR	17	505.3		
		eL	05 25	LT	35	758.1		
		eL	07 25	LT	25	1151.5		
13	DH-	eP	12 00 26.3	SZ	0.7	9.3	32.2	4.61

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	05 46	LT	28.0	607.6		
		eL	09 10	LR	26	994.5		
13	MN=	eP	12 00 54.1	SZ	0.8	27.4	35.4	5.15
		eP	00 57	LZ	17	25.1		
		e	01 03	SZ	1.0	32.6		
		ePCP	03 26	SZ	0.7	5.5		
		eS	06 22	LR	20	33.5		
		eLQ	12 04	LT	26	369.3		
		eLR	15 50	LZ	20	294.1		
13	RK=	eP	12 01 11.4	SZ	0.9	89.8	37.9	5.59
		e	07 30	LT	27	529.0		
		eL	13 33	LT	28	685.0		
13	NP=	eP	12 04 37.0	SZ	0.6	13.9	65.2	5.01
13	HW=	eL	12 22 40	LZ	23	356.5	62.7	
							AVG.	5.14

13 12 57 26. 37.1 S 74.9 W OFF COAST OF SOUTHERN CHILE
H= 54 KM MAG 4.60 CGS

13	LC=	eP	13 09 04.0	SZ	0.7	5.1	75.2	4.56
		eL	34 40	LT	25	72.8		

13 13 35 33.3 7. S 155.5 E SOLOMON ISLANDS REGION
H= 95 KM MAG 4.50 CGS

13	LC=	eS	14 00 42	LR	18.0	371.0	100.4
		eLQ	02 35	LT	35	746.8	
		eLR	04 35	LT	23	790.8	
13	LC=	eP	16 04 54.0	SZ	0.5	2.9	
13	LC=	e	16 06 45	ST	1.0	3.5	
13	DH=	eP	17 05 35.7	SZ	0.3	3.3	1.7
		eS	06 00	SR	0.3	14.5	
13	LC=	eP	17 36 28.0	SZ	0.3	2.2	3.0
		eS	37 04	ST	0.3	2.9	
13	DH=	eP	17 55 06.5	SZ	0.3	10.1	1.7
		eS	55 30	SR	0.4	45.5	
13	DH=	eP	18 22 36.0	SZ	0.3	13.4	1.8
		eS	23 00	SR	0.3	32.6	

13 18 51 15. 13.7 N 90.7 W NEAR COAST OF GUATEMALA
H= 64 KM MAG 4.40 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	JE=	eP	18 55 30	LZ	19.0	510.6	18.0	
13	LC=	eP	18 56 21.5	SZ	0.4	7.9	23.6	4.51
13	MN=	eP	18 58 01.5	SZ	0.7	12.8	34.6	4.94
13	RK=	eP	18 58 07.5	SZ	0.7	13.8	37.1	4.93
		ePCS	19 04 33	LT	25	502.6		
		eL	10 18	LT	30	447.5		
13	NP=	eP	19 01 43.4	SZ	0.6	5.5	64.4	4.78
13	DH=	eL	19 03 28	LR	29	482.8	31.6	
							AVG.	4.79
13	DH=	eP	19 30 46.2	SZ	0.3	16.8	1.8	
		eS	31 10	SR	0.3	39.9		
13	MN=	eP	19 51 43.0	SZ	0.9	5.9	3.6	
		e	52 21	SZ	0.6	7.5		
		eS	52 27	SR	0.4	15.7		
13	MN=	eL	20 09 36	LT	27	308.9		
13	DH=	eP	20 11 45.5	SZ	0.3	6.7	1.6	
		eS	12 08	SR	0.3	18.1		
13	MN=	eLR	20 13 07	LZ	20	333.0		
13	LC=	eP	20 22 00.5	SZ	0.4	15.9	1.3	
		eS	22 17	ST	0.3	8.5		
13	RK=	eP	20 57 00.8	SZ	0.2	3.6	4.7	
		eS	57 59	SR	0.3	7.6		

13 21 08 12.1 14.5 N 90.9 W NEAR COAST OF GUATEMALA
H= 33 KM MAG 4.80 CGS

13	LC=	eP	21 13 14.5	SZ	0.5	9.4	22.9	4.51
		eP	13 20	LZ	17	119.3		
		eS	17 38	LR	18	232.7		
		eL	21 35	LT	26	521.6		
13	MN=	eP	21 14 55.1	SZ	0.8	14.2	33.9	4.92
		e	17 27	SZ	0.8	5.0		
		eL	26 27	LT	27	261.3		
13	RK=	eP	21 15 11.5	SZ	0.9	23.4	36.3	5.03
		eL	29 27	LT	28	502.3		
13	JE=	eL	21 15 50	LZ	18	642.8	17.2	
13	DH=	e	21 20 00	LT	28	371.3	30.9	
		eL	25 52	LT	23	272.4		
							AVG.	4.82
13	MN=	eP	21 11 43.2	SZ	0.3	4.6	1.5	
		eS	12 01	SR	0.5	5.3		
14	HW=	eLR	01 34 45	LZ	25	360.3		
14	MN=	eL	01 52 38	LZ	27	309.3		
14	LC=	eLR	01 54 14	LZ	24	74.9		
14	LC=	eL	01 57 42	LT	20	123.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	LC=	eL	01 57 42	LR	19.0	103.2		
14	LC=	eL	01 57 42	LZ	21	112.8		
14	02 14 02.		7.8 S 75.4 W PERU					
			H= 33 KM MAG 4.20 CGS					
14	02 37 24.6		47.1 N 8.3 E SWITZERLAND					
			H= 33 KM MAG 4.70 CGS					
14	NP=	eP	02 46 36.5	SZ	0.7	3.3	52.5	4.41
14	LC=	eP	02 49 43.3	SZ	0.8	.7	81.6	3.75
		eLR	03 18 13	LZ	27	106.8		
		eL	25 44	LT	17	748.9		
		eL	25 44	LR	17	256.7		
		eL	25 44	LZ	15	751.6		
14	DH=	eL	03 06 10	LR	23	328.8	56.7	
14	JE=	eL	03 17 06	LZ	23	902.4	73.8	
		eLR	19 00	LZ	20	447.1		
14	MN=	eLQ	03 18 38	LT	35	259.0	82.3	
		eLR	23 50	LZ	21 5	541.6		
							AVG.	4.08
14	02 51 04.1		18.7 N 145.6 E MARIANA ISLANDS					
			H=136 KM MAG 5.00 CGS					
14	NP=	eP	03 02 20.6	SZ	0.4	7.4	73.2	4.84
14	MN=	eP	03 03 17.6	SZ	0.7	9.9	83.3	4.78
		e	03 22	SZ	0.9	7.4		
		epP	03 46	SZ	0.8	9.3		
14	LC=	eP	03 04 10.3	SZ	0.8	4.4	94.3	4.85
							AVG.	4.82
14	LC=	eP	04 26 35.5	SZ	0.9	1.9		
14	LC=	eL	04 50 00	LZ	20	51.1		
14	06 51 58.6		6.2 S 92.1 E ANDAMAN ISLANDS REGION					
			H= 33 KM MAG 4.70 CGS					
14	NP=	eP	07 05 21.4	SZ	0.6	5.7		
14	MN=	eP	09 34 24.3	SZ	0.3	.9	1.3	
		eS	34 40	SR	0.4	2.7		
14	11 25 13.3		51.5 N 170.1 W FOX ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	NP=	eP	11 31 34.5	SZ	0.5	2.4	31.5	4.32
14	RK=	eP	11 33 33.2	SZ	0.6	.	45.8	
14	DH=	eP	11 35 26.9	SZ	0.6	3.9	61.3	4.70
14	HW=	eLR	11 40 18	LZ	22	293.5	33.4	
14	MN=	eL	11 44 36	LZ	21	102.0	38.2	
							AVG.	4.51
14	MN=	eP	11 37 07.9	SZ	0.2	7.9	1.3	
		eS	37 23	SR	0.3	6.9		
14	11 44 53.8		20.6 S 178.5 W FIJI ISLANDS					
			H=561 KM MAG 4.70 CGS					
14	HW=	eP	11 52 30.0	SZ	0.7	49.7	46.1	5.15
14	MN=	eP	11 56 15.2	SZ	0.6	7.6	81.5	4.37
		epP	58 18	SZ	1.2	11.5		
14	LC=	eP	11 56 40.1	SZ	0.7	2.5	86.6	4.04
		epP	58 45	SZ	1.1	4.6		
							AVG.	4.52
14	12 16 53.4		20.6 S 178.2 W FIJI ISLANDS REGION					
			H=260 KM MAG 4.10 CGS					
14	MN=	eL	13 22 44	LZ	32.0	182.5		
14	LC=	eLR	13 25 46	LZ	25	57.0		
14	NP=	eP	15 03 03.0	SZ	0.7	6.6		
14	15 05 54.4		13.7 S 172.3 E NEW HEBRIDES ISLANDS REGION					
			H=611 KM MAG 5.10 CGS					
14	HW=	eP	15 13 25.5	SZ	0.6	69.7	45.9	
14	MN=	eP	15 17 19.1	SZ	0.6	11.9	83.1	
		e	17 28	SZ	0.7	4.9		
		e	17 44	SZ	1.0	5.6		
		e	18 08	SZ	0.9	5.8		
14	LC=	eP	15 17 51.5	SZ	1.0	16.4	89.9	
		e	18 46	SZ	0.7	6.2		
14	NP=	eP	15 18 27.0	SZ	0.6	7.6	98.2	
14	15 12 22.4		15.9 N 60.5 W LEEWARD ISLANDS REGION					
			H= 31 KM MAG 5.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	DH-	eP	15 18 22.5	SZ	1.0	28.2	29.0	4.99
		eL	24 05	LR	25	1651.4		
		eL	25 28	LR	25	1651.4		
		eL	25 28	LT	24	1042.6		
14	JE-	eP	15 18 55.5	SZ	0.8	140.0	32.7	5.90
		ePCP	21 41	SZ	0.7	40.9		
		eSCP	25 25	LZ	20	968.7		
		eL	28 23	LT	25	2820.4		
14	LC-	eP	15 20 35.5	SZ	1.0	132.9	44.8	5.73
		eP	20 36	LZ	17	119.0		
		eS	27 13	LR	22	276.1		
		eL	30 55	LZ	24	193.5		
		eL	40 29	LR	21	1088.4		
		eL	40 29	LT	21	782.5		
		eL	40 29	LZ	24	468.2		
14	MN-	eP	15 21 53.6	SZ	0.8	39.9	55.0	5.50
		eP	21 58	LZ	20	104.2		
		e	22 39	SZ	1.0	16.6		
		ePCP	22 55	SZ	0.8	11.8		
		ePCS	26 47	LT	23	305.8		
		ePCS	26 51	ST	2.0	83.2		
		e	34 13	LR	25	294.9		
		eLQ	37 18	LT	40	1064.3		
		eLR	44 28	LZ	22	1184.3		
14	NP-	eP	15 23 18.6	SZ	0.9	156.8	67.5	6.13
		eLQ	44 24	LR	25	1272.7		
		eLR	48 34	LZ	22	1624.4		
14	HW-	eLR	15 56 20	LZ	25	240.2	89.4	
							AVG.	5.65
14	MN-	eL	15 13 57	LZ	22	170.8		
14	MN-	eP	15 40 14.0	SZ	0.2	9999.9	.4	
		eS	40 20	SR	0.2	15.6		
14	DH-	eP	15 50 28.5	SZ	0.2	40.3	1.7	
		eS	50 52	SR	0.3	43.0		

14 16 36 52.1 1.9 S 12.9 W MID ATLANTIC OCEAN
H= 33 KM MAG 5.40 CGS

14	LC-	eP	16 50 10.0	SZ	1.1	10.9	94.1	5.14
		e	17 01 20	LR	20	106.8		
		e	02 37	LR	21	153.5		
		eSS	07 45	LR	20	170.9		
		eLQ	17 43	LT	26	106.7		
		eLR	21 25	LZ	26	201.0		
		eL	29 13	LT	20	458.4		
		eL	29 13	LR	20	320.6		
		eL	29 13	LZ	20	275.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	NP-	eP	16 50 17.5	SZ	1.6	27.3	95.7	5.50
14	DH-	eL	17 10 20	LR	24	722.4	70.9	
		eL	11 58	LR	23	1016.5		
		eL	11 58	LT	22	1096.4		
14	JE-	eLQ	17 17 16	LR	20	1416.2	81.8	
		eLR	18 33	LZ	20	1006.0		
14	MN-	eL	17 26 37	LZ	33	440.8	103.1	
							AVG.	5.32

14 17 42 25.3 37.7 N 118.7 W MONO COUNTY, CALIFORNIA
H= 14 KM

14	MN-	eP	17 42 42.2	SZ	999.9	9999.9	.9	

14 18 43 27.4 1.8 S 13.2 W MID ATLANTIC OCEAN
H= 33 KM MAG 4.70 CGS

14	LC-	eP	18 56 44.6	SZ	1.0	2.5	93.8	4.54
		eLR	19 28 42	LZ	24	49.9		
		eL	35 28	LT	19	346.3		
		eL	35 28	LR	20	242.2		
		eL	35 28	LZ	19	231.9		
14	DH-	eL	19 18 07	LR	24	541.8	70.7	
14	JE-	eLQ	19 23 51	LR	22	993.5	81.4	
		eLR	25 54	LZ	20	819.7		
14	MN-	eL	19 35 39	LR	24	380.2	102.8	
14	LC-	eL	18 50 28	LZ	23.0	31.0		
14	LC-	eP	19 10 16.2	SZ	1.0	5.0		
14	LC-	eP	19 51 52.5	SZ	0.2	13.8	1.4	
		eS	52 10	SR	0.3	11.3		
14	MN-	eP	20 57 36.2	SZ	0.5	15.0		
14	MN-	eP	21 57 55.3	SZ	0.3	6.2	1.1	
		eS	58 09	ST	0.3	2.4		
14	MN-	eP	22 09 10.3	SZ	0.3	.5	.9	
		eS	09 22	SR	0.4	3.9		

14 23 12 10.* 52.1 N 170.6 W ANDREANOF ALEUTIAN ISLANDS
H= 33 KM MAG 4.10 CGS

14	LC-	eP	23 20 58.8	SZ	0.9	.9	49.6	3.76

15 02 07 04.1 37.5 S 73.3 W CENTRAL CHILE
H= 33 KM MAG 4.60 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15			1.2 N 126.2 E MOLUCCA PASSAGE H= 43 KM					
15			47.6 N 8.3 E SWITZERLAND GERMANY BORDER H= 33 KM					
15			49.7 N 78.0 E KAZAKH S.S.R. H= KM MAG 5.60 CGS					
15			53. N 157.3 E KAMCHATKA H=170 KM MAG 4.80 CGS					
15			2.7 S 77.7 W ECUADOR H= 94 KM MAG 4.30 CGS					
15			42.2 N 44.6 E GEORGIAN S.S.R. H= 33 KM MAG 4.10 CGS					
15			17.9 N 120.0 E NEAR W. COAST OF LUZON, P.I. H= 33 KM MAG 4.80 CGS					
15			36.2 N 7.6 W W. OF STRAIT OF GIBRALTAR H= 27 KM MAG 6.87 CGS					
16	RK-	eL	00 57 00	LR	25.0	664.6		
16			01 05 17.6 36.9 N 95.5 E TSINGHAI PROVINCE, CHINA H= 33 KM MAG 5.90 CGS					
16	NP-	iP	01 15 54.2C	SZ	1.3	9999.9	65.0	
		eL	41 55	LZ	19	1736.1		
16	RK-	eP	01 18 24.3	SZ	1.3	110.5	92.3	6.05
		eL	54 09	LR	19	509.2		
16	MN-	eP	01 18 57.1	SZ	1.2	19.2	98.9	5.67
16	HW-	eL	01 51 37	LZ	25	474.7	92.3	
16	LC-	eL	02 02 20	LR	22	333.7	108.0	
16	JE-	eL	02 05 50	LZ	18	926.1	111.3	
							AVG.	5.86
16	DH-	eL	01 07 44	LR	20	1082.4		
16	MN-	eP	03 02 17.6	SZ	0.4	9999.9	1.1	
		eS	02 31	SR	999.9	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16			03 28 11.7 38. N 72.9 E TADZHIK S.S.R. H=132 KM MAG 5.20 CGS					
16	NP-	eP	03 38 43.7	SZ	0.7	9.1	65.8	4.75
16			06 06 51.3 13.5 N 88.3 W NEAR COAST OF EL SALVADOR H= 92 KM MAG 3.90 CGS					
16			07 04 35.* 52. N 166.9 W FOX ALEUTIAN ISLANDS H= 45 KM MAG 4.10 CGS					
16			08 44 32.8 44.8 N 146.8 E KURILE ISLANDS H=140 KM MAG 5.70 CGS					
16	NP-	eP	08 52 55.8	SZ	0.8	31.3	47.9	5.03
		ePCP	54 24	SZ	0.8	32.6		
16	MN-	iP	08 55 14.6C	SZ	1.0	60.0	67.3	5.38
		epP	55 50	SZ	1.2	51.2		
		e	56 56	SZ	1.1	13.3		
		eL	09 26 01	LR	22	173.2		
16	RK-	iP	08 55 37.5C	SZ	0.5	62.2	71.3	5.66
16	LC-	iP	08 56 19.8C	SZ	0.8	21.2	78.3	4.98
		epP	56 54	SZ	1.0	21.7		
16	DH-	iP	08 56 57.1C	SZ	0.7	89.8	85.7	5.76
16	JE-	eP	08 57 04.5	SZ	0.8	85.2	86.9	5.74
16	HW-	eL	09 12 24	LZ	20	239.5	53.2	
							AVG.	5.42
16	LC-	eP	09 15 45.1	SZ	0.9	3.9		
16	RK-	eP	09 16 02.7	SZ	0.8	11.8		
16	MN-	eP	12 19 22.6	SZ	0.3	4.4	1.5	
		eS	19 41	ST	0.4	5.8		
16			13 30 35.* 47.5 N 8.3 E SWITZERLAND GERMANY BORDER H= 33 KM MAG 4.20 CGS					
16			14 55 55.* 8.3 S 118.6 E SUMBAWA REGION H= 33 KM					
16			14 58 23.4 11.5 S 166.1 E SANTA CRUZ ISLANDS H= 69 KM MAG 4.80 CGS					
16	MN-	eP	15 10 58.9	SZ	0.9	5.7	86.2	4.59
		e	11 11	SZ	2.0	41.6		
		eLR	37 52	LZ	26	812.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	HW-	eL	15 20 49	LR	26.0	1168.0	48.9	
16	LC-	eL	15 41 25	LZ	27	435.4	93.8	
16	17 24 25.*		52.6 N 157.2 E SOUTHERN KAMCHATKA H=171 KM MAG 4.40 CGS					
16	LC-	eP	18 02 53.3	SZ	0.2	12.2	1.3	
		eS	03 10	ST	0.4	17.2		
16	DH-	eP	18 56 21.5	SZ	0.3	6.7	1.7	
		eS	56 45	SR	0.4	34.2		
16	18 59 28.*		9.6 S 166.4 E SANTA CRUZ ISLANDS H= 33 KM MAG 4.50 CGS					
16	HW-	eL	19 21 12	LR	25.0	571.2	47.5	
16	MN-	eL	19 39 07	LZ	27	313.5	84.7	
16	LC-	eL	19 42 00	LZ	28	152.7	92.6	
16	HW-	iP	19 10 02.9D	SZ	0.2	350.1	.7	
		eS	10 24	ST	0.3	612.2		
16	LC-	eP	19 28 29.6	SZ	1.0	3.8		
16	LC-	eP	20 05 56.6	SZ	0.3	1.8	2.4	
		eS	06 27	SR	0.4	3.3		
16	20 30 49.*		27.3 N 110.9 W GULF OF CALIFORNIA H= 33 KM MAG 4.60 CGS					
16	LC-	eP	20 32 23.8	SZ	0.5	2.9	6.3	4.24
		eL	34 15	SR	0.7	6.0		
		eL	34 15	LR	999 9	9999.9		
16	MN-	eP	20 33 49.0	SZ	1.8	25.3	12.7	4.95
		eL	37 10	LT	22	1098.8		
							AVG.	4.59
16	20 40 47.9		19.5 N 65.3 W NORTHEAST OF PUERTO RICO H= 33 KM MAG 4.40 CGS					
16	MN-	eP	20 49 35.9	SZ	0.8	5.4	49.2	4.58
16	21 39 42.5		20.6 S 178.7 W FIJI ISLANDS H=578 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	MN-	eP	21 51 02.5	SZ	0.7	14.0	81.7	4.58
		e	51 11	SZ	1.1	7.2		
16	LC-	eP	21 51 27.7	SZ	0.7	6.3	86.7	4.45
		epP	53 36	SZ	1.0	3.8		
							AVG.	4.51
16	MN-	eP	22 05 16.6	SZ	0.2	1.1	.5	
		eS	05 25	SR	0.4	1.9		
16	LC-	eP	22 09 02.5	SZ	0.2	3.6	2.7	
		eS	09 37	SR	0.7	5.4		
16	MN-	eP	22 25 42.0	SZ	0.6	2.7	2.9	
		eS	26 19	SR	0.6	3.7		
16	LC-	eL	22 33 55	LZ	19	69.7		
17	00 13 08.4		7.5 N 73.3 W COLOMBIA H=148 KM MAG 3.70 CGS					
17	MN-	eP	00 52 00.9	SZ	0.3	2.3	.9	
		eS	52 14	SR	0.4	1.7		
17	01 04 22.*		1. N 121.0 E NORTHERN CELEBES H= 82 KM MAG 5.30 CGS					
17	MN-	eP	01 11 54.8	SZ	0.3	2.9	.9	
		eS	12 07	SR	0.4	1.8		
17	01 33 46.*		45.2 N 150.4 E KURILE ISLANDS H= 40 KM MAG 4.10 CGS					
17	02 04 58.2		53.5 N 163.3 E OFF EAST COAST OF KAMCHATKA H= 20 KM MAG 4.80 CGS					
17	RK-	eP	02 14 48.3	SZ	0.9	.	57.7	
17	LC-	eP	02 15 37.6	SZ	0.9	5.8	64.7	4.75
17	JE-	eP	02 16 28.6	SZ	0.8	11.8	73.1	5.00
							AVG.	4.87
17	LC-	eP	02 23 49.5	SZ	0.8	2.7		
17	02 35 44.*		57.5 N 155.7 W KODIAK ISLAND REGION H= 33 KM MAG 4.20 CGS					
17	LC-	eP	03 36 40.0	SZ	0.5	1.4	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	36 46	ST	0.5	6.3		
17	NP-	eP	04 42 10.5	SZ	0.5	17.7		
17	05 01 57.*		8.9 S 108.8 W SOUTHWEST OF GALAPAGOS IS. H= 33 KM MAG 4.50 CGS					
17	LC-	eP	05 09 40.2	SZ	0.9	2.9	41.1	4.05
		eLQ	18 38	LR	30	604.2		
		eLR	22 48	LZ	20	580.1		
17	RK-	eP	05 12 17.5	SZ	0.7	.	60.9	
		eL	29 30	LT	28	457.1		
17	MN-	eS	05 17 41	LT	23	289.4	47.9	
		eLQ	23 01	LR	25	420.6		
		eLR	25 12	LZ	20	1249.4		
17	HW-	e	05 19 06	LZ	15	404.7	54.4	
		eLR	26 18	LZ	22	1040.3		
17	JE-	eL	05 20 00	LR	20	514.9	43.5	
17	DH-	eL	05 34 45	LT	24	333.1	59.6	
17	LC-	eL	06 57 19	LZ	24.0	213.0		
17	07 41 04.*		23.9 S 65.9 W JUJUY PROVINCE. ARGENTINA H= 76 KM MAG 4.30 CGS					
17	MN-	eL	07 59 53	LZ	23.0	451.9		
17	HW-	eP	09 06 58.4	SZ	0.2	52.5	.6	
		eS	07 08	ST	0.3	783.5		
17	MN-	eL	09 49 43	LZ	22	212.2		
17	HW-	eLR	09 51 00	LZ	21	276.7		
17	JE-	eP	09 55 31.1	SZ	0.9	15.3		
17	MN-	eP	10 41 28.6	SZ	0.4	2.0	1.3	
		eS	41 46	SR	0.3	3.1		
17	12 05 10.*		27. N 54.1 E SOUTHERN IRAN H= 33 KM					
17	14 29 43.6		5.6 S 151.6 E NEW BRITAIN H= 54 KM MAG 4.90 CGS					
17	MN-	eP	14 42 57.2	SZ	0.8	5.2	93.6	4.97
		eLR	15 14 13	LZ	26	102.7		
17	NP-	eP	17 38 41.0	SZ	0.7	4.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	19 05 52.*		15.8 S 173.3 W TONGA ISLANDS REGION H= 33 KM MAG 4.60 CGS					
17	HW-	eLR	18 23 25	LZ	25.0	1288.2	39.5	
17	MN-	eLQ	18 37 20	LR	22	382.4	74.7	
		eLR	39 58	LZ	27	888.5		
17	LC-	eLR	18 41 55	LZ	25	892.8	79.8	
17	RK-	eL	18 45 56	LR	28	307.1	95.7	
17	JE-	eLR	18 48 37	LZ	25	274.7	91.0	
17	DH-	eLQ	18 56 55	LR	30	493.0	106.6	
		eLR	19 02 43	LZ	19	1681.8		
17	DH-	eP	18 36 37.5	SZ	0.4	14.7	1.7	
		eS	37 02	ST	0.4	41.8		
17	NP-	eP	19 23 22.5	SZ	0.5	7.9		
17	DH-	eP	19 45 28.3	SZ	0.3	6.6	2.0	
		eS	45 55	SR	0.4	51.3		
17	NP-	eP	20 38 34.5	SZ	0.6	4.2		
17	MN-	eP	21 04 31.7	SZ	0.3	1.7	1.2	
		eS	04 46	SR	0.4	2.8		
17	MN-	eP	22 23 06.8	SZ	0.5	1.2	2.5	
		eS	23 39	SR	0.6	1.7		
17	NP-	eP	22 23 39.3	SZ	0.6	10.5		
17	DH-	eP	23 13 25.8	SZ	0.5	10.5	.6	
		eS	13 34	ST	0.3	51.0		
18	00 10 34.8		17.3 S 175.1 W TONGA ISLANDS REGION H=268 KM MAG 4.80 CGS					
18	LC-	eP	00 22 28.0	SZ	0.9	16.5	82.0	4.83
18	01 52 10.2		6.8 N 73.1 W COLOMBIA H=181 KM MAG 3.90 CGS					
18	NP-	eP	02 03 21.5	SZ	0.5	4.8	73.8	4.50
18	04 37 26.9		52.5 N 153.6 E SEA OF OKHOTSK H=440 KM MAG 5.60 CGS					
18	NP-	eP	04 44 12	LZ	12	2583.9	39.1	
		eP	44 15.0	SZ	0.7	80.0		5.24
		e	49 22	SZ	1.0	67.5		
		eS	49 42	LR	20	6779.8		
		e	50 50	SZ	3.5	455.4		
		e	52 18	LR	18	2613.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	53 03	LR	27.0	1019U		
		eL	53 20	LZ	22	2111.7		
		e	54 40	SZ	1.5	75.0		
18	HW=	eP	04 45 45.5	SZ	1.0	666.6	50.7	5.96
		eP	45 47	LZ	18	1596.3		
		e	50 23	LZ	17	1248.4		
		e	52 50	LZ	19	1170.4		
		e	55 00	LZ	19	1170.4		
		eL	58 28	LZ	23	6132.6		
18	MN=	eP	04 46 49.6	SZ	1.1	9999.9	59.7	
		eP	46 57	LZ	19	767.7		
		epP	48 20	LZ	17	605.7		
		eS	54 30	ST	4.2	2322.1		
		eS	54 30	LT	999 9	9999.9		
		eLQ	05 01 34	LT	32	2881.9		
		eLR	03 47	LZ	20	1242.5		
18	RK=	eP	04 47 05.3	SZ	0.2	*	62.5	
		e	48 23	SZ	0.5			
		e	50 43	SZ	0.6			
		eS	55 00	LR	24	9999.9		
		e	55 00	SZ	2.0			
		e	56 14	SZ	1.0			
		esS	57 44	LR	20	4007.0		
		eSS	59 10	LT	20	1698.5		
		eL	05 02 40	LR	999 9	9999.9		
18	LC=	eP	04 47 58.0	SZ	1.0	68.1	70.5	5.19
		eP	48 00	LZ	17	413.4		
		epP	49 28	SZ	1.0	10.1		
		epP	49 30	LZ	17	551.3		
		ePPP	52 10	LZ	12	456.7		
		eS	56 40	ST	1.7	109.3		
		eS	56 40	LT	999 9	9999.9		
		e	05 15 12	SZ	0.8	2.2		
18	DH=	eP	04 48 32.4	SZ	0.5	23.4	76.8	5.06
		eS	57 40	LR	26	2861.3		
		esS	05 00 25	LR	20	2000.3		
		eSS	02 50	LR	22	883.4		
		esSS	05 20	LR	25	991.1		
		e	10 50	LR	28	2097.6		
		e	12 20	LR	26	2205.6		
		eL	16 30	LR	22	1453.4		
18	JE=	eP	04 48 43.5	SZ	1.0	126.2	78.5	5.48
		eP	48 45	LZ	21	636.9		
		epP	50 18	SZ	1.0	48.5		
		epP	50 20	LZ	23	630.1		
		eS	58 08	LT	999 9	9999.9		
							AVG.	5.38
18	RK=	eP	05 15 43.5	SZ	0.9	*		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18			05 17 13.2	20.2 S 178.4 W FIJI ISLANDS				
				H=566 KM MAG 3.90 CGS				
18			07 20 02.*	48.8 N 155.0 E KURILE ISLANDS				
				H= 55 KM MAG 4.60 CGS				
18			11 39 27.*	14.7 N 92.1 W GUATEMALA MEXICO BORDER				
				H= 31 KM MAG 4.00 CGS				
18	LC=	eP	11 44 21.0	SZ	0.7	3.1	22.0	3.82
18	MN=	eP	11 46 01.5	SZ	0.8	2.4	33.0	4.16
							AVG.	3.99
18	DH=	eP	15 33 44.6	SZ	0.3	40.2	1.8	
		eS	34 08.0	SR	0.2	73.5		
18	NP=	eP	16 21 46.0	SZ	0.5	1.6		
18			16 43 24.*	45.7 N 14.1 E NORTHWESTERN YUGOSLAVIA				
				H= 33 KM MAG 4.60 CGS				
18			18 57 27.3	29.9 S 71.0 W NORTHERN CHILE				
				H= 50 KM MAG 4.50 CGS				
18	LC=	eP	19 08 39.0	SZ	0.7	3.7	70.6	4.48
		eL	33 25	LZ	18	82.7		
18	LC=	eP	19 39 17.5	SZ	0.2	2.4	2.5	
		eS	39 48	ST	0.4	4.9		
18			19 52 39.3	10.5 S 161.6 E SOLOMON ISLANDS				
				H= 85 KM MAG 5.00 CGS				
18	MN=	eP	20 05 26.3	SZ	1.2	7.6	88.9	4.71
18	LC=	eP	20 14 13.0	SZ	0.2	5.5	1.5	
		eS	14 32	ST	0.3	3.8		
19			03 28 57.	18.6 S 69.9 W NORTHERN CHILE				
				H=127 KM MAG 3.90 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19			04 45 50.9	21.9 S 179.5 E FIJI ISLANDS H=613 KM MAG 4.70 CGS				
19	MN-	eP	04 57 18.2	SZ	1.2	30.7	83.7	
19	LC-	eP	04 57 42.8	SZ	1.0	26.2	88.8	
		epP	05 00 03	SZ	1.1	7.7		
19			08 43 40.5	20.3 S 178.3 W FIJI ISLANDS H=504 KM MAG 4.50 CGS				
19	LC-	eP	08 55 30.3	SZ	1.0	8.7	86.2	4.37
		e	56 23	SZ	1.2	5.7		
19			09 42 34.9	14.7 N 56.3 E ARABIAN SEA H= 33 KM				
19	NP-	eP	09 55 30.0	SZ	1.2	39.6	89.2	5.49
		eLR	10 27 10	LZ	40	2907.3		
19	LC-	eP	10 01 44.8	SZ	1.1	4.6	130.4	
		ePP	03 55	SZ	1.2	5.7		
		ePPS	15 56	LT	23	207.5		
		eSSS	26 08	LT	25	204.9		
		eLQ	41 30	LR	25	417.8		
		eLR	44 37	LZ	27	323.9		
		eL	11 03 56	LR	21	854.8		
		eL	03 56	LT	20	738.6		
		eL	03 56	LZ	20	336.4		
19	HW-	eSP	10 14 37	LZ	20	184.5	133.3	
		e	22 50	LT	25	848.5		
		e	27 16	LZ	25	301.8		
		eL	47 31	LZ	55	1727.2		
		eLR	56 07	LZ	20	876.8		
19	JE-	eL	10 35 17	LZ	20	264.7	124.7	
19	MN-	eLQ	10 38 12	LR	32	359.3	126.9	
		eLR	53 34	LZ	28	1429.0		
19	DH-	eL	10 39 10	LR	32	929.6	107.7	
19	MN-	eP	11 01 38.3	SZ	1.4	17.8		
19			11 05 04.*	35.3 N 135.7 E HONSHU, JAPAN H=365 KM MAG 4.20 CGS				
19	NP-	eP	11 14 30.7	SZ	0.5	8.4	59.5	4.46
19			11 50 54.2	28.4 N 139.6 E BONIN ISLANDS REGION H=450 KM MAG 4.40 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	NP-	eP	12 00 51.1	SZ	0.7	10.5	65.2	4.59
19	MN-	eP	12 02 25.4	SZ	0.6	4.1	81.6	4.24
19	LC-	eP	12 03 19.0	SZ	0.8	2.9	92.8	4.36
							AVG.	4.39
19	MN-	eP	12 04 08.6	SZ	0.3	3.5	.1	
		eS	04 12	SR	0.4	6.2		
19	MN-	eP	17 23 59.9	SZ	0.5	2.5	2.5	
		eS	24 32	SR	0.6	2.0		
19	DH-	eP	18 14 40.6	SZ	0.2	8.9	1.7	
		eS	15 04	ST	0.3	25.5		
19	LC-	eP	20 26 36.6	SZ	0.2	23.8	1.4	
		eS	26 55	SR	0.3	8.8		
19	MN-	eP	21 24 43.2	SZ	0.4	9999.9	.8	
		eS	24 54	SR	0.4	9999.9		
19			21 44 03.8	15.1 S 172.6 W SAMOA ISLANDS REGION H= 33 KM MAG 5.60 CGS				
19	HW-	e	21 51 37	LR	25.0	750.4	38.6	
		e	57 44	LR	18	3114.1		
		eL	59 51	LR	20	9519.4		
19	MN-	eP	21 55 36.8	SZ	999.9	9999.9	73.7	
		eP	55 40	LZ	13	1166.8		
		e	56 36	SZ	1.0	23.3		
		ePP	58 03	LZ	17	349.4		
		eS	22 05 08	LT	26	3749.3		
		eSSS	13 05	LT	21	1094.6		
		eLQ	14 54	LR	28	6095.4		
		eLR	17 21	LZ	999 9	9999.9		
19	LC-	eP	21 56 04.8	SZ	1.2	44.2	78.8	5.31
		eP	56 05	LZ	15	827.9		
		e	56 17	SZ	1.2	113.4		
		eS	22 06 05	LT	22	1429.7		
		e	07 10	LT	31	1822.3		
		eSS	11 30	LT	18	1603.2		
		eSSS	14 20	LT	24	1439.6		
		eLQ	17 00	LR	22	1431.8		
		eLR	19 37	LZ	99 9	31.8U		
19	NP-	eP	21 57 34.0	SZ	1.0	8.0	96.5	5.24
		eLR	22 29 40	LZ	30	2898.2		
19	JE-	e	22 01 34	LZ	14	816.6	90.1	
		eS	08 04	LR	20	2277.8		
		e	13 32	LZ	18	1179.1		
		eLR	26 03	LZ	28	5377.5		
19	DH-	eSP	22 11 28	LZ	20	1479.4	105.6	
		eSS	17 38	LR	25	5659.1		
		e	22 00	LR	29	835.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	27 55	LZ	25.0	1533.8		
		eLR	33 20	LZ	32	6992.4		
							AVG.	5.27
19	22 29 03.2		15.3 S 72.9 W SOUTHERN PERU H=115 KM MAG 4.70 CGS					
20	00 06 34.*		7.4 N 79.9 W NEAR SOUTH COAST OF PANAMA H= 93 KM MAG 3.90 CGS					
20	HW-	eL	00 36 00	LZ	24.0	233.6	74.2	
20	01 16 12.8		62.2 S 155.8 E BALLENY ISLANDS REGION H= 33 KM					
20	NP-	eP*1	01 35 55.5	SZ	0.8	6.1	147.9	
20	HW-	eL	01 57 40	LZ	27	199.8	90.4	
20	MN-	eL	02 12 41	LZ	27	313.5	121.4	
20	LC-	eL	02 13 21	LZ	22	169.7	121.6	
20	01 35 01.*		18.6 S 177.4 W FIJI ISLANDS REGION H=334 KM MAG 3.60 CGS					
20	LC-	eP	03 07 30.5	SZ	0.6	1.0		
20	LC-	eL	03 08 52	ST	0.8	8.5		
20	03 15 45.6		28.2 N 55.0 E SOUTHERN IRAN H= 43 KM MAG 5.80 CGS					
20	NP-	eP	03 27 27.5	SZ	0.8	6.1	75.7	4.64
20	04 21 08.1		6.1 S 150.4 E NEW BRITAIN H= 34 KM MAG 4.90 CGS					
20	HW-	eL	04 49 27	LZ	25.0	332.3	59.0	
20	MN-	eL	05 07 10	LZ	25	158.8	94.9	
20	MN-	eP	04 52 39.0	SZ	0.3	1.1	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	53 00	SR	0.4	5.1		
20	06 35 51.6		12.9 N 89.9 W NEAR COAST OF SAN SALVADOR H=125 KM MAG 4.20 CGS					
20	JE-	eP	06 40 03	LZ	14.0	235.5	18.9	
		eP	40 03.0	SZ	0.7	58.9		5.07
20	LC-	eP	06 41 02.9	SZ	0.6	2.0	24.7	3.79
		e	41 21	SZ	0.8	5.9		
20	MN-	eP	06 42 42.0	SZ	0.6	6.2	35.7	4.64
		e	43 03	SZ	0.8	3.9		
		ePCP	45 12	SZ	0.6	5.9		
20	RK-	eP	06 42 57.1	SZ	0.6	24.3	38.0	5.21
							AVG.	4.67
20	06 55 28.1		2. S 79.7 W ECUADOR H= 71 KM MAG 5.30 CGS					
20	JE-	eP	07 02 20.7	SZ	1.0	64.6	35.6	5.49
		e	02 47	SZ	1.0	43.1		
		eL	13 20	LZ	34	599.1		
20	LC-	iP	07 03 20.4D	SZ	0.7	29.8	42.7	5.15
		ePP	05 10	SZ	1.1	18.5		
		eL	16 25	LZ	33	260.9		
20	DH-	eP	07 03 33.0	SZ	0.9	85.4	44.3	5.49
		e	04 00	SZ	1.0	202.0		
20	RK-	iP	07 04 45.4D	SZ	0.6	47.5	54.0	5.70
		eL	20 35	LZ	35	309.5		
20	NP-	iP	07 07 38.2D	SZ	0.8	71.7	81.4	5.62
		e	08 07	SZ	0.8	64.3		
		e	11 08	SZ	1.4	18.2		
20	MN-	eL	07 22 37	LZ	32	432.8	53.6	
							AVG.	5.49
20	MN-	eP	16 13 08.6	SZ	0.5	2.2	2.3	
		eS	13 41	SR	0.5	1.2		
20	LC-	eP	16 26 44.9	SZ	0.5	4.2	2.6	
		eS	27 17	ST	0.5	5.4		
20	DH-	eP	17 45 45.3	SZ	0.3	32.4	1.7	
		eS	46 09	SR	0.4	44.4		
20	DH-	eP	18 01 50.9	SZ	0.3	18.0	1.6	
		eS	02 14	SR	0.4	54.7		
		eP	16 36.5	SZ	0.5	11.4		
		eS	16 59	SR	0.5	37.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20			18 55 10.8	7. S 115.2 E BALI SEA H=121 KM MAG 5.40 CGS				
20			19 00 52.7	23.6 N 94.4 E NORTHWESTERN BURMA H= 86 KM MAG 5.70 CGS				
20	NP-	iP	19 12 45.0D	SZ	0.5	7.0	78.2	4.79
		ePP	15 41	SZ	1.1	9.6		
		eS	22 30	SR	1.4	31.8		
20	LC-	eP0	19 19 36.9	SZ	0.7	3.1	120.8	
		e	27 39	SZ	1.0	10.0		
20			19 15 16.3	19.8 S 173.6 W TONGA ISLANDS H= 33 KM MAG 4.70 CGS				
20	HW-	eL	19 38 41	LZ	19.0	248.0	43.2	
20	LC-	eL	19 56 50	LZ	18	174.4	82.4	
20	DH-	eL	20 12 45	LZ	20	391.2	109.4	
20	LC-	eP	20 16 28.0	SZ	0.2	22.6	1.4	
		eS	16 48	ST	0.3	14.6		
20	MN-	eP	20 27 13.5	SZ	1.0	7.5		
20	LC-	eP	20 35 24.8	SZ	0.3	1.7	2.4	
		eS	35 55	ST	0.4	3.7		
20	NP-	eP	20 44 59.3	SZ	1.2	9.0		
20	MN-	eP	22 32 47.6	SZ	0.5	2.8	2.4	
		eS	33 19	SR	0.5	2.7		
20	MN-	eP	22 39 54.5	SZ	0.5	1.8	2.9	
		eS	40 31	SR	0.5	3.7		
21			02 01 06.9	23.4 S 66.3 W JUJUY PROVINCE, ARGENTINA H=207 KM MAG 3.90 CGS				
21			03 42 19.6	6.4 S 127.9 E BANDA SEA H=367 KM				
21	NP-	eP	03 55 31.5	SZ	0.6	30.5	101.5	6.04
		e	56 43	SZ	2.5	96.9		
		ePP	59 58	LZ	15	2178.1		
		eSKS	04 05 35	LT	20	5692.0		
		e	08 15	LT	31	7191.8		
		ePKKP	11 37	SZ	1.2	37.0		
		e	12 01	SZ	1.1	43.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	MN-	ePD	03 56 25	SZ	1.0	3.3	112.7	
		eP	56 27	LZ	20	435.8		
		e	56 31	SZ	1.0	14.1		
		esP	58 25	LZ	20	407.3		
		eP0	04 00 17.0	SZ	1.0	11.6		
		ePP	01 07	SZ	0.9	19.8		
		ePP	01 10	LZ	19	2024.2		
		eSKS	06 32	LR	22	2863.0		
		eSP	09 58	LZ	22	9999.9		
		ePKKP	11 14	SZ	1.0	66.6		
		e	15 06	SZ	1.8	67.4		
		e	19 58	LT	30	3711.2		
		eL	36 13	LZ	25	4004.1		
21	LC-	ePD	03 57 16	SZ	0.8	1.4	123.2	
		ePD	57 17	LZ	19	168.2		
		epP	58 10	LZ	18	161.8		
		eP0	04 00 37.4	SZ	0.8	16.9		
		e	02 03	SZ	1.4	29.6		
		ePP	02 05	LZ	19	9999.9		
		epPP	03 07	LZ	25	1637.0		
		e	03 10	SZ	1.0	13.7		
		epPP	03 36	SZ	1.4	77.1		
		eSKS	07 06	LT	18	1136.5		
		eSKS	07 08	SR	2.3	194.4		
		e	08 42	LT	24	804.0		
		ePKKP	10 26.0	SZ	0.9	86.3		
		eSP	11 43	LZ	999 9	9999.9		
		e	13 41	SZ	1.0	8.7		
		ePPS	13 43	LT	999 9	9999.9		
		e	14 19	SZ	1.2	28.7		
		eSSS	23 18	LT	999 9	9999.9		
		eLQ	35 23	LT	999 9	9999.9		
		eLR	41 00	LZ	999 9	9999.9		
21	RK-	eP0	04 00 35.2	SZ	0.6	55.4	123.9	
		ePP	02 21	SZ	0.7	24.2		
		ePP	02 26	LZ	24	2167.1		
		epPP	03 33	SZ	0.9	50.0		
		eSKS	07 03	LT	18	2527.3		
		eSKS	07 03	ST	0.9	44.5		
		eSKKS	08 42	ST	16.0	93.2U		
		eSKKS	08 43	LT	20	3227.6		
		ePKKP	10 21	SZ	0.8	24.7		
		eSP	11 38	LZ	23	2233.5		
		e	13 23	LT	27	3541.4		
		e	21 30	LT	30	4413.2		
		e	23 04	LZ	28	3283.5		
		e	29 32	LZ	35	3289.4		
		eLR	47 32	LZ	20	4170.8		
21	JE-	eP0	04 00 48.2	SZ	0.8	25.8	135.0	
		e	01 00	SZ	0.8	77.5		
		epP0	02 29	SZ	1.0	43.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	03 38	SZ	1.0	141.9		
		eSKP	03 55	SZ	1.3	566.8		
		e	08 42	LR	18	3563.7		
		eSKKS	09 30	LR	18	4751.7		
		e	09 45	ST	2.2	805.2		
		e	15 02	LR	17	6712.4		
		eSS	20 50	LT	23	6251.2		
		eLQ	33 05	LT	23	2016.5		
		eLR	47 24	LT	24	4331.4		
		eL	49 30	LT	25	6738.4		
		eL	49 30	LR	23	6610.7		
		eL	49 30	LZ	22	1232.3		
21	DH-	eP'	04 00 57.3	SZ	0.8	16.4	139.0	
		eP'	00 58	LZ	15	2401.5		
		e	03 42	SZ	1.0	37.0		
		e	03 47	LZ	18	5555.5		
		ePP	04 05	SZ	1.4	507.0		
		epPP	05 23	SZ	1.7	115.7		
		epPP	05 40	LZ	18	3217.9		
		e	12 43	SZ	1.0	37.0		
		eSP	13 33	LZ	21	4050.3		
		eSS	22 15	LT	25	3373.1		
		e	39 00	LR	26	2705.7		
		e	47 55	LT	28	4653.7		
		eLR	55 24	LZ	25	3378.7		
		eL	05 00 12	LR	24	4240.4		
		eL	00 12	LT	23	2013.5		
		eL	00 12	LZ	21	3913.5		
21	05 50 03.*		8.7 S 109.2 W S.W. OF GALAPAGOS ISLANDS H= 33 KM MAG 4.20 CGS					
21	LC-	eP	05 57 44.5	SZ	0.9	1.9	40.9	3.85
21	NP-	eP	06 02 35.0	SZ	1.0	5.0	85.0	4.61
							AVG.	4.23
21	RK-	eP	06 00 11.6	SZ	1.0	9.3		
21	MN-	eP	06 50 13.4	SZ	0.3	1.4	.6	
		eS	50 22	SR	0.4	8.9		
21	MN-	eP	06 57 14.6	SZ	0.3	9999.9	.5	
		eS	57 22	SR	0.4	11.6		
21	07 02 24.7		34.2 S 70.7 W CENTRAL CHILE H= 90 KM MAG 4.40 CGS					
21	LC-	eP	07 13 54.5	SZ	0.7	3.7	74.4	4.35

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	07 46 39.*		12.1 N 141.9 E MARIANA ISLANDS REGION H= 33 KM MAG 5.20 CGS					
21	10 25 32.9		27.1 N 54.1 E SOUTHERN IRAN H= 33 KM					
21	MN-	eP	10 27 54.8	SZ	0.3	2.8	1.4	
		eS	28 12	SR	0.4	5.5		
21	10 44 01.*		22.3 N 143.7 E MARIANA ISLANDS REGION H= 33 KM MAG 4.90 CGS					
21	MN-	eP	10 56 22.1	SZ	0.7	4.5	82.5	4.66
21	LC-	eP	10 57 16.0	SZ	0.8	5.9	93.6	5.01
							AVG.	4.83
21	10 57 03.7		15.4 S 174.1 W SAMOA ISLANDS REGION H=153 KM MAG 4.10 CGS					
21	MN-	eP	11 08 30.1	SZ	0.8	5.4	74.9	4.38
21	LC-	eP	11 08 59.3	SZ	0.9	4.7	80.1	4.27
							AVG.	4.32
21	DH-	eP	13 53 18.5	SZ	0.3	6.6	1.6	
		eS	53 40	SR	0.4	33.0		
21	MN-	eP	14 53 52.2	SZ	0.3	6.5	1.4	
		eS	54 10	SR	1.0	20.2		
21	15 08 14.3		18.7 N 103.1 W NEAR CST. MICHOACAN, MEXICO H= 83 KM MAG 5.00 CGS					
21	LC-	eP	15 11 31.1	SZ	1.0	18.7	14.0	4.37
		eP	11 32	LZ	15	2075.0		
		e	12 59	SZ	1.3	71.9		
		eL	14 14	LT	999 9	9999.9		
		eL	15 32	ST	2.9	2167.8		
21	JE-	eP	15 12 04.2	SZ	1.0	76.4	16.4	4.87
		e	12 08	LT	17	5404.3		
		ePP	12 13	SZ	1.0	218.3		
		eL	18 23	ST	2.1	978.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	18 27	LT	22.0	6715.0		
21	MN-	eP	15 13 19.9	SZ	1.0	45.0	23.6	4.84
		eP	13 22	LZ	20	733.1		
		e	13 42	SZ	0.9	21.7		
		e	18 08	LR	16	2600.1		
		e	21 07	ST	2.1	108.3		
		e	21 20	LT	33	5702.3		
		eL	21 45	ST	2.4	216.1		
		eL	21 48	LZ	20	4582.1		
21	RK-	eP	15 14 42.5	SZ	0.5	4.3	32.9	4.55
		eP	14 46	LZ	17	755.3		
		e	15 37	SZ	1.0	18.6		
		ePP	16 00	SZ	1.3	35.7		
		e	20 26	LR	27	3104.2		
		eL	23 03	SZ	3.0	194.8		
		eL	25 44	LT	18	3483.6		
		eLR	28 23	LZ	23	3654.9		
21	DH-	eP	15 14 47.2	SZ	0.8	21.9	33.5	5.05
		eP	14 50	LZ	17	1591.9		
		ePP	16 05	LZ	14	2346.7		
		e	20 38	LT	25	1701.4		
		eL	25 15	LZ	27	2448.4		
		eL	26 59	ST	4.0	1673.0		
		eL	30 47	LR	15	7738.2		
		eL	30 47	LT	15	4572.9		
21	NP-	eP	15 18 00.7	SZ	1.0	28.7	58.2	5.26
		e	18 32	SZ	1.4	40.6		
		eL	38 00	SZ	12.0	62.8U		
		eL	38 00	LR	30	2366.8		
						AVG.		4.82
21	DH-	eLR	16 24 16	LZ	26	566.3		

21 16 27 11.7 27.6 S 177.2 W KERMADEC ISLANDS REGION
H= 33 KM MAG 5.60 CGS

21	MN-	eP	16 39 49.4	SZ	0.9	46.1	85.8	5.56
		e	39 58	SZ	1.0	20.0		
		eL	17 06 38	LZ	27	934.6		
21	LC-	eP	16 40 09.0	SZ	1.0	31.1	89.8	5.46
		e	40 24	SZ	1.3	40.7		
		eSKS	50 22	LT	18	187.1		
		eSS	56 40	LT	24	144.3		
		ePKKP	57 42	SZ	0.8	1.4		
		eLR	17 08 10	LZ	26	329.2		
		eL	10 54	LT	23	353.2		
		eL	10 54	LR	22	146.4		
		eL	10 54	LZ	22	426.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	NP-	eP	16 45 37.0	SZ	0.7	7.7	109.5	
							AVG.	5.51
21	RK-	eP	17 09 39.3	SZ	0.3	3.3		
21	LC-	eP	20 01 58.6	SZ	0.2	11.8	1.5	
		eS	02 17	ST	0.3	9.1		

22 00 44 39.* 28.3 N 111.8 W NEAR COAST SONORA, MEXICO
H= 33 KM MAG 3.90 CGS

22	LC-	eP	00 46 10.0	SZ	0.6	1.5	6.1	3.84
		e	46 41	SZ	1.1	15.3		
		eL	47 56	SZ	1.2	111.2		
22	RK-	eL	00 59 00	LT	15	780.4	26.4	

22 00 52 38.8 54. N 160.5 E KAMCHATKA
H= 30 KM MAG 5.00 CGS

22	NP-	eP	00 59 40.4	SZ	0.9	21.1	36.1	4.99
		e	59 44	SZ	0.8	13.9		
22	RK-	eP	01 02 34.0	SZ	0.6	22.7	58.5	5.38
22	LC-	eP	01 03 25.5	SZ	1.0	8.7	66.1	4.85
		eL	27 55	LR	15	373.1		
							AVG.	5.07
22	NP-	eP	01 04 37.9	SZ	0.4	1.3	.1	
		eS	04 42	SR	0.4	15.3		

22 05 32 07.7 2.7 S 126.4 E CERAM SEA
H= 33 KM MAG 5.10 CGS

22	RK-	eP	05 51 00.5	SZ	0.7	3.3	121.4	
22	LC-	eP	05 51 04.0	SZ	1.0	3.7	122.2	

22 06 22 15.* 61.3 N 147.8 W EAST OF ANCHORAGE, ALASKA
H= 62 KM MAG 4.50 CGS

22	NP-	eP	06 26 20.9	SZ	0.9	13.5	17.8	4.14
22	RK-	eP	06 28 32.0	SZ	1.1	11.1	31.1	4.58
22	JE-	eL	06 47 20	LT	24	744.4	46.4	
							AVG.	4.36

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	07 05 39.7		5.5 S 77.1 W NORTHERN PERU H=147 KM MAG 5.10 CGS					
22	LC-	eP	07 13 59.0	SZ	0.8	49.4	47.0	5.20
		epP	14 27	SZ	1.0	24.9		
		ePCP	15 28	SZ	0.8	8.8		
22	DH-	eP	07 14 02.1	SZ	0.4	62.5	47.6	5.61
22	JE-	ePPP	07 15 03	SZ	0.9	57.2	39.7	
22	RK-	eP	07 15 16.5	SZ	0.6	60.5	57.9	5.66
		epP	15 47	SZ	0.7	15.7		
		ePCP	16 08	SZ	1.0	45.2		
22	NP-	iP	07 18 00.5D	SZ	0.9	82.9	85.2	5.58
							AVG.	5.51
22	08 35 06.4		35.7 S 72.9 W NEAR COAST OF CENTRAL CHILE H= 33 KM MAG 5.10 CGS					
22	JE-	eP	08 46 13.5	SZ	1.0	63.8	69.5	5.64
		eL	55 20	LT	18	1997.3		
22	LC-	eP	08 46 45.1	SZ	1.1	35.4	74.7	5.24
		eP	46 50	LZ	20	135.9		
		eS	56 35	LR	17	277.6		
		e	09 00 40	LR	28	500.4		
		eL	04 40	LR	22	476.8		
22	RK-	eP	08 47 53.5	SZ	0.9	52.2	88.1	5.76
22	NP-	eP	08 53 44.4	SZ	1.0	5.0	115.5	
		eL	09 42 53	LZ	20	615.9		
							AVG.	5.54
22	RK-	eL	08 57 35	LR	20	1010.3		
22	NP-	eP	10 15 12.0	SZ	0.3	2.0		
22	NP-	e	10 15 23	SZ	0.3	12.9		
22	NP-	eL	10 17 06	SZ	1.2	34.7		
22	12 17 11.*		18.5 N 145.1 E MARIANA ISLANDS REGION H=533 KM MAG 4.30 CGS					
22	13 03 10.*		6.7 N 72.8 W NORTHERN COLOMBIA H=179 KM MAG 3.80 CGS					
22	LC-	eP	13 10 33.2	SZ	0.8	4.4	40.5	4.11

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	13 39 02.*		3.2 N 98.0 E NORTHERN SUMATRA H= 33 KM					
22	DH-	eP	13 47 05	LZ	15.0	647.6		
22	DH-	e	13 49 50	LZ	18	399.0		
22	DH-	e	13 56 40	LR	19	1001.6		
22	DH-	e	14 01 30	LR	23	437.3		
22	DH-	eLR	14 07 24	LR	30	531.0		
22	LC-	eP	14 16 59.5	ST	0.3	4.2		
22	15 56 21.3		38.7 N 118.8 W WALKER LAKE. NEVADA AREA H= 33 KM MAG 3.80 CGS					
22	16 30 55.9		38.7 N 118.8 W WALKER LAKE. NEVADA AREA H= 21 KM MAG 4.50 CGS					
22	LC-	eP	16 33 52.5	SZ	1.2	11.5	11.8	4.96
		eP	33 53	LZ	17	117.8		
		e	34 35	LR	28	140.7		
		e	34 37	SZ	1.2	34.5		
		eL	35 36	LR	27	528.4		
		eL	37 07	ST	1.2	25.7		
22	RK-	eP	16 35 43.0	SZ	0.9	8.7	21.5	4.12
		eL	41 45	LT	20	1655.7		
22	JE-	eP	16 36 02.3	SZ	1.0	31.9	22.9	4.75
		eL	40 30	LT	25	618.8		
22	NP-	eP	16 38 11.4	SZ	1.2	18.5	37.7	4.73
							AVG.	4.64
22	16 39 54.5		38.9 N 118.8 W WALKER LAKE. NEVADA AREA H= 33 KM					
22	17 51 19.5		14.2 S 75.6 W SOUTHERN PERU H= 86 KM MAG 4.30 CGS					
22	18 14 52.2		39. N 118.7 W WALKER LAKE. NEVADA AREA H= 33 KM					
22	18 17 45.8		39.1 N 118.7 W WALKER LAKE. NEVADA AREA H= 33 KM					
22	20 12 17.9		13.2 N 125.4 E OFF NORTH COAST SAMAR. P.I. H=204 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	LC=	eP	20 38 03.5	SZ	0.2	26.7	1.4	
		eS	38 21	ST	0.4	12.3		
23	00 45 01.*		20.2 S 176.5 W TONGA ISLANDS					
			H= 33 KM MAG 4.40 CGS					
23	01 02 36.1		9.3 S 108.2 E OFF SOUTH COAST OF JAVA					
			H= 50 KM					
23	03 35 44.9		1.2 S 78.7 W ECUADOR					
			H= 68 KM MAG 4.20 CGS					
23	RK=	eP	03 44 57.5	SZ	0.7	2.4	53.4	4.33
23	MN=	eP	03 45 02.4	SZ	0.8	2.4	53.6	4.28
							AVG.	4.30
23	MN=	eP	04 03 21.8	SZ	0.3	7.7	.5	
		eS	03 29	SR	0.3	6.4		
		eP	05 55 50.6	SZ	0.3	8.3		
		eS	55 59	SR	0.3	22.2		
23	MN=	eP	06 04 20.3	SZ	0.3	4.6	.6	
		eS	04 29	SR	0.3	2.1		
23	06 12 25.*		16.4 N 105.1 W OFF COAST OF MEXICO					
			H= 33 KM MAG 4.00 CGS					
23	LC=	eL	06 20 27	LR	23.0	157.5	16.0	
23	MN=	eL	06 25 40	LZ	21	157.0	24.8	
23	RK=	eL	06 31 18	LT	20	346.9	35.6	
23	MN=	eP	06 46 23.2	SZ	999.9	9999.9	.5	
		eS	46 31	SR	0.4	9999.9		
23	LC=	eP	07 16 10.6	SZ	0.8	2.9		
23	NP=	eP	07 16 30.0	SZ	0.5	.9		
23	07 36 24.3		37.2 N 72.3 E HINDU KUSH					
			H=143 KM MAG 4.40 CGS					
23	LC=	eL	08 40 28	LZ	22	31.1	110.8	
23	MN=	eP	07 40 13.5	SZ	999.9	9999.9	1.3	
		eS	40 29	SR	0.5	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	07 55 14.1		77. N 132.2 W ARCTIC OCEAN					
			H= 16 KM MAG 3.90 CGS					
23	NP=	eP	07 56 04.8	SZ	0.2	6.0	3.1	4.28
		eL	56 30	SR	999.9	9999.9		
23	MN=	eP	08 18 20.4	SZ	0.3	9999.9	.5	
		eS	18 28	SR	0.3	12.8		
23	09 17 47.3		31.8 S 179.5 E KERMADEC ISLANDS REGION					
			H=464 KM MAG 4.20 CGS					
23	09 43 50.*		46.2 N 149.6 E KURILE ISLANDS					
			H= 33 KM MAG 4.50 CGS					
23	MN=	eP	10 22 29.0	SZ	0.3	4.1	.5	
		eS	22 37	SR	0.4	4.1		
23	11 20 51.5		27.8 S 72.4 W OFF COAST OF CENTRAL CHILE					
			H= 37 KM MAG 4.40 CGS					
23	MN=	eP	12 18 43.4	SZ	0.3	2.6	.5	
		eS	18 51	SR	0.4	8.6		
23	LC=	eP	13 20 20.0	SZ	0.5	.9		
23	LC=	eL	13 21 53	SR	0.6	6.3		
23	13 40 26.3		38.3 N 73.7 E HINDU KUSH					
			H=126 KM MAG 5.40 CGS					
23	RK=	eP	13 53 14.9	SZ	0.9	15.3	90.5	5.13
		epP	53 52	SZ	1.2	23.0		
		eL	14 31 20	LR	20	236.4		
23	LC=	eL	14 37 42	LZ	23	82.9	109.7	
23	MN=	eL	14 43 40	LZ	21	157.0	102.9	
23	NP=	iP	13 50 44.0D	SZ	0.4	19.0	2.6	
		eS	51 28	ST	0.7	77.3		
23	RK=	eL	14 03 31	LR	16	191.2		
23	MN=	eP	15 27 55.7	SZ	0.3	9999.9	.5	
		eS	28 03	SR	0.3	16.0		
23	15 32 57.		38.7 N 118.9 W WALKER LAKE, NEVADA AREA					
			H= 33 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	MN-	ëP	15 33 06.2	SZ	9999.9	9999.9	.6	
		ëP	33 07	LZ	20	601.2		
		eP	16 06 42.0	SZ	0.3	8.2		
		eS	06 50	SR	0.3	14.4		
23	MN-	eP	16 08 06.5	SZ	0.3	5.5	.9	
		eS	08 19	SR	0.4	5.9		
23	MN-	eP	17 05 51.5	SZ	0.2	8.7	.5	
		eS	05 59	SR	0.3	24.6		
23	MN-	eP	17 59 16.1	SZ	0.3	9999.9	.8	
		eS	59 27	SR	0.4	11.3		
23	MN-	eP	18 10 14.8	SZ	0.2	9999.9		
23	LC-	eP	19 07 17.1	SZ	0.2	2.4	.8	
		eS	07 25	SR	0.5	13.7		
23	LC-	eP	21 15 12.1	SZ	0.3	6.7	1.4	
		eS	15 32	ST	0.5	3.6		
23	LC-	eL	21 46 41	LZ	22	36.2		
23	MN-	eP	22 22 34.2	SZ	0.3	9999.9	.5	
		eS	22 42	SR	0.3	6.7		
23	22 28 45.6		19.3 N 121.0 E NEAR N. CST. LUZON. P.I. H= 33 KM					
23	22 41 15.8		17.6 S 123.2 E DAMPIER LAND. W. AUSTRALIA H= 33 KM					
23	RK-	eL	23 43 40	LR	30.0	252.8	135.7	
23	LC-	eL	23 46 26	LZ	25	79.5	132.9	
24	00 27 14.7		17.1 S 178.4 W TONGA ISLANDS REGION H=554 KM					
24	01 58 42.7		25.2 N 140.6 E VOLCANO ISLANDS REGION H=181 KM MAG 4.60 CGS					
24	NP-	iP	02 09 23.8C	SZ	0.5	19.1	68.1	5.10
24	MN-	eP	02 10 49.2	SZ	0.8	3.9	82.9	4.23
							AVG.	4.66
24	06 36 19.5		5.2 S 78.6 W NORTHERN PERU H= 33 KM MAG 4.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	08 28 10.4		19.2 N 65.9 W NORTH OF PUERTO RICO H= 58 KM MAG 4.40 CGS					
24	LC-	eP	08 35 31.3	SZ	0.7	1.2	38.7	3.84
24	NP-	eP	08 38 34.2	SZ	0.8	7.2	63.1	4.75
24	JE-	eL	08 43 07	LZ	18	227.6	26.6	
24	MN-	eL	08 56 43	LZ	15	114.8	48.9	
							AVG.	4.29
24	NP-	iP	09 13 42.3C	SZ	0.9	22.9		
24	09 37 56.2		51.1 N 129.6 W VANCOUVER ISLAND REGION H= 22 KM MAG 4.20 CGS					
24	LC-	eP	09 43 21.8	SZ	1.0	2.5	25.2	3.82
		eL	52 15	LZ	25	76.7		
24	NP-	eP	09 43 34.0	SZ	0.9	4.3	25.6	4.08
		eL	51 00	LT	17	855.7		
24	MN-	eL	09 46 14	LZ	20	192.3	15.0	
24	RK-	eL	09 49 33	LT	20	672.1	22.5	
24	DH-	eL	09 57 26	LT	22	392.1	37.8	
							AVG.	3.95
24	MN-	eP	10 43 29.4	SZ	0.4	9999.9	.6	
		eS	43 38	SR	0.4	21.0		
24	11 57 09.2		24.7 S 65.0 W JUJUY PROVINCE. ARGENTINA H= 95 KM MAG 4.40 CGS					
24	14 41 55.*		11.7 N 143.9 E MARIANA ISLANDS REGION H= 51 KM MAG 4.60 CGS					
24	NP-	eP	14 54 11.5	SZ	1.0	6.4	80.3	4.47
24	MN-	eP	15 21 51.5	SZ	0.3	10.7	.6	
		eS	22 00	SR	0.5	24.5		
24	17 38 08.2		27.7 S 68.7 W CATAMARCA PROV.. ARGENTINA H= 76 KM MAG 4.50 CGS					
24	LC-	eP	17 49 11.1	SZ	0.8	5.1	69.8	4.49
		e	49 22	SZ	0.9	11.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	DH-	eP	17 49 17.9	SZ	1.0	38.1	69.8	5.26
		eSCP	53 34	SZ	0.8	11.2		
							AVG.	4.87
24	LC-	eP	18 07 32.5	SZ	0.2	2.3	3.1	
		eS	08 09	ST	0.5	4.9		
24	MN-	eP	19 49 28.7	SZ	999.9	9999.9	.5	
		eS	49 36	SR	0.4	12.7		
24	LC-	eP	19 50 54.5	SZ	0.2	9.5	1.3	
		eS	51 12	ST	0.4	17.2		
24	DH-	eP	20 06 30.0	SZ	0.4	6.5	1.7	
		eS	06 53	ST	0.4	52.8		
24	20 33 16.7		45.2 N 151.4 E KURILE ISLANDS REGION H= 33 KM MAG 4.60 CGS					
24	22 20 26.2		36.1 N 141.5 E NEAR E. COAST HONSHU, JAPAN H= 50 KM MAG 4.30 CGS					
24	22 48 12.*		15.4 S 75.1 W NEAR COAST OF SOUTHERN PERU H= 50 KM					
24	HW-	eP	22 57 22.4	SZ	0.3	109.6	1.0	
		eS	57 35	ST	0.5	677.3		
24	MN-	eP	23 05 35.0	SZ	0.3	11.3	.5	
		eS	05 43	SR	0.4	9999.9		
24	23 57 10.*		38.7 N 118.7 W WALKER LAKE, NEVADA AREA H= 33 KM MAG 3.50 CGS					
24	MN-	eP	23 57 18.6	SZ	999.9	9999.9	.5	
25	MN-	eP	00 32 19.4	SZ	0.4	7.1	.6	
		eS	32 27	SR	0.5	22.2		
25	02 43 23.5		36.3 N 140.9 E NEAR E. COAST HONSHU, JAPAN H= 67 KM MAG 4.80 CGS					
25	NP-	eP	02 53 06.2	SZ	0.9	12.7	57.3	4.95
25	MN-	eP	02 55 05.2	SZ	1.0	7.5	75.9	4.57
		e	55 18	SZ	1.1	14.4		
		eL	03 18 50	LZ	30	141.8		
25	LC-	eP	02 56 16.1	SZ	1.0	7.5	87.0	4.74
		eL	03 24 23	LZ	30	82.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.75
25	03 45 07.5		6.9 N 72.9 W NORTHERN COLOMBIA H=171 KM MAG 3.70 CGS					
25	LC-	eP	03 52 30.6	SZ	0.8	6.5	40.3	4.30
		epP	53 06	SZ	1.0	5.0		
25	MN-	eP	04 37 40.1	SZ	999.9	9999.9		
25	NP-	eP	04 46 08.6	SZ	0.3	2.8	.1	
		eS	46 12	ST	0.5	12.6		
25	04 52 07.8		36.3 N 141.1 E NEAR E. CST. OF HONSHU, JAP. H= 60 KM MAG 4.70 CGS					
25	NP-	eP	05 01 51.5	SZ	0.7	6.5	57.3	4.77
25	MN-	eL	05 27 50	LZ	29	96.8	75.7	
25	NP-	eP	06 03 04.5	SZ	0.4	5.7	.1	
		eS	03 08	SR	0.4	21.6		
25	07 48 36.*		8.7 S 108.1 W S.W. OF GALAPAGOS ISLANDS H= 33 KM MAG 4.20 CGS					
25	LC-	eP	07 56 16.5	SZ	1.1	3.7	40.9	4.06
		eLQ	08 07 07	LR	25	121.8		
		eLR	09 12	LZ	20	129.8		
25	MN-	eL	08 11 48	LZ	28	223.3	47.8	
25	08 46 13.		40.4 N 124.8 W NEAR CST. NORTH CALIFORNIA H= 33 KM MAG 4.50 CGS					
25	MN-	eP	08 47 33.7	SZ	0.6	3.1	5.5	4.05
		eL	48 59	SR	0.9	14.2		
		eL	49 03	LZ	23	200.2		
25	LC-	eL	08 54 52	LT	22	251.6	16.7	
25	08 57 11.7		31.6 S 69.5 W SAN JUAN PROVINCE, ARGENTINA H=123 KM MAG 4.20 CGS					
25	LC-	eL	09 35 34	LT	15.0	126.8	72.7	
25	10 08 06.8		7.7 N 75.3 W NORTHERN COLOMBIA H= 48 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	LC-	eP	10 15 22.5	SZ	1.0	76.6	38.1	5.48
		e	15 28	SZ	0.8	23.7		
		eSS	23 47	LT	17	253.9		
		eLQ	25 10	LT	40	358.2		
		eLR	28 45	LZ	28	192.8		
25	MN-	eP	10 16 52.5	SZ	1.0	10.0	49.2	4.74
		eL	34 07	LZ	30	174.2		
25	NP-	eP	10 19 29.5	SZ	0.9	28.5	72.6	5.26
							AVG.	5.16

25 10 34 41.* 44.9 N 149.5 E KURILE ISLANDS
H= 33 KM MAG 4.10 CGS

25	MN-	eP	11 07 14.6	SZ	0.3	5.0	.6	
		eS	07 23	SR	0.4	6.3		

25 11 13 08.7 14.6 S 167.4 E NEW HEBRIDES ISLANDS REGION
H=170 KM MAG 4.10 CGS

25 11 33 48.4 19.7 S 175.9 W TONGA ISLANDS REGION
H=170 KM MAG 4.60 CGS

25	MN-	eP	11 45 36.3	SZ	0.9	13.4	79.2	4.70
25	LC-	eP	11 46 02.6	SZ	0.9	31.8	84.1	5.11
		epP	46 58	SZ	1.0	3.7		
							AVG.	4.90
25	MN-	eP	11 35 54.2	SZ	0.4	5.4	.6	
		eS	36 02	SR	0.4	11.9		

25 12 44 59.4 7.5 S 74.3 W CENTRAL PERU
H=156 KM MAG 3.80 CGS

25	MN-	eP	14 16 53.4	SZ	0.3	2.9	.6	
		eS	17 01	SR	0.5	5.7		
25	LC-	eP	14 23 18.1	SZ	0.7	1.8		
25	MN-	eP	14 44 28.8	SZ	0.4	6.8	.6	
		eS	44 37	SR	0.6	13.0		

25 15 32 26. 20.1 S 168.8 E LOYALTY ISLANDS REGION
H= 33 KM MAG 4.70 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MN-	eP	15 45 22.4	SZ	1.0	5.8	89.8	4.73
		e	45 26	SZ	0.9	6.4		
		eL	16 14 35	LZ	25	153.6		
25	LC-	eL	16 16 50	LZ	25	64.3	96.2	
25	DH-	eP	16 18 55.3	SZ	0.4	3.1	1.6	
		e	19 15	SR	0.5	11.2		
		eS	19 16	SR	0.6	29.0		
25	DH-	eS	16 45 06	SR	0.4	54.7	1.7	
25	LC-	eP	17 02 51.9	SZ	0.3	2.1	2.5	
		eS	03 23	SR	0.4	2.9		
25	DH-	eP	19 35 26.0	SZ	0.4	15.7	2.0	
		eS	35 52	SR	0.5	48.6		

25 20 17 24.7 5.8 S 104.0 E NEAR SOUTH COAST OF SUMATRA
H= 33 KM MAG 5.40 CGS

25	MN-	eP	20 27 19.5	SZ	0.2	.7	.8	
		eS	27 31	SR	0.4	6.9		
25	LC-	eP	20 33 07.8	SZ	0.3	12.1	1.4	
		eS	33 25	SR	0.4	7.2		

26 01 16 08.8 10.3 N 122.6 E NEAR S. CST. PANAY. P.I.
H= 53 KM

26	NP-	eP	01 28 47.2	SZ	0.8	8.6	86.5	4.88
26	MN-	eL	02 04 45	LZ	30	299.0	105.5	

26 01 43 04.* 21.5 S 174.6 W TONGA ISLANDS
H= 33 KM MAG 4.30 CGS

26	MN-	eP	01 55 11.0	SZ	1.0	4.0	79.7	4.30
26	LC-	eP	01 55 34.1	SZ	1.0	2.5	84.2	4.30
							AVG.	4.30

26 02 04 20.2 11.3 N 142.0 E MARIANA ISLANDS
H= 33 KM MAG 4.90 CGS

26	NP-	eP	02 16 30.4	SZ	0.7	5.5	81.2	4.65
		e	16 49	SZ	1.0	26.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	17 05	SZ	1.5	102.1		
		ePP	19 46	SZ	1.2	13.1		
		e	26 45	LT	16	779.7		
		eL	44 00	LZ	26	889.9		
26	MN-	eP	02 17 21.4	SZ	0.6	1.3	90.6	4.38
		eP	17 27	LZ	22	369.4		
		e	28 20	LT	20	761.0		
		eSP	29 34	LZ	25	719.8		
		e	41 52	LT	25	1103.6		
		eL	45 48	LZ	27	852.3		
26	HW-	eS	02 22 50	LT	24	1533.3	60.3	
		eL	29 30	LT	25	1765.5		
26	DH-	ePS	02 33 48	LT	20	607.6	116.9	
		e	41 04	LT	24	559.8		
		e	45 16	LT	26	649.9		
		eLQ	56 46	LR	28	806.2		
		eLR	03 07 31	LZ	22	3527.0		
		eL	10 20	LZ	22	9999.9		
		eL	10 20	LR	23	3882.5		
		eL	10 20	LT	23	4317.2		
26	LC-	eLQ	02 47 10	LT	24	566.5	101.5	
		eLR	52 36	LZ	25	9999.9		
26	JE-	eL	03 00 56	LR	26	2479.5	112.9	
							AVG.	4.51
26	MN-	eP	02 50 59.2	SZ	0.5	1.8	3.9	
		eS	51 48	ST	0.8	1.9		
26	HW-	iP	03 32 54.8C	SZ	0.2	167.0	.5	
		eS	33 03	SR	0.3	85.7		

26 04 40 17.2 47.1 N 8.3 E SWITZERLAND
H= 33 KM

26	MN-	eP	05 04 23.0	SZ	1.0	2.4		
26	MN-	eP	05 05 21.1	SZ	0.3	14.5	.5	
		eS	05 29	SR	0.4	9.0		

26 05 25 02.8 5.1 S 76.6 W NORTHERN PERU
H=100 KM MAG 4.80 CGS

26	LC-	eP	05 33 26.2	SZ	0.8	5.9	46.9	4.47
26	MN-	eP	05 34 47.5	SZ	0.9	4.3	57.9	4.49
		epP	35 17	SZ	1.0	4.9		
26	NP-	iP	05 37 27.7D	SZ	1.0	28.7	84.9	5.16
		epP	37 54	SZ	1.0	5.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.70
26			06 30 51.1					

13.7 N 120.6 E NEAR S.W. CST. LUZON. P.I.
H=118 KM

26	NP-	eP	06 43 07.0	SZ	1.0	32.5	83.6	5.18

26 07 13 04.5 46.4 N 145.1 E SEA OF OKHOTSK
H=180 KM MAG 4.60 CGS

26 07 43 39.1 39.1 N 10.7 W NEAR W. CST. OF PORTUGAL
H= 33 KM MAG 4.50 CGS

26 09 15 33.4 8.3 N 121.8 E NEAR W. CST. MINDANAO. P.I.
H= 59 KM

26	NP-	eP	09 28 20.5	SZ	0.9	5.1	88.6	4.69
		e	28 32	SZ	0.9	22.2		
		ePP	32 02	SZ	1.6	14.4		
26	HW-	eP	10 54 58.9	SZ	0.2	313.2	.4	
		eS	55 06	SR	0.3	228.5		

26 12 15 47.* 6.8 S 129.3 E BANDA SEA
H=156 KM MAG 5.30 CGS

26	LC-	eP	12 34 27.0	SZ	1.1	7.7	122.3	
		ePKKP	44 23	SZ	1.0	8.7		
26	MN-	eP	13 17 18.6	SZ	0.3	8.1	.5	
		eS	17 27	SR	0.4	11.6		

26 13 29 56.2 4.4 S 104.7 W SOUTHWEST OF GALAPAGOS IS.
H= 33 KM MAG 4.90 CGS

26	LC-	eP	13 37 01.9	SZ	1.4	23.9	36.6	4.83
		eP	37 03	LZ	15	144.9		
		eS	42 53	LT	23	9999.9		
		e	45 20	SR	3.5	160.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	45 37	LT	27.0	99999		
26	MN-	eP	13 38 07.0	SZ	2.0	66.3	44.4	5.07
		eP	38 07	LZ	17	253.3		
		e	39 52	SZ	1.9	40.8		
		eS	44 08	LT	25	3513.4		
		eSS	47 29	LT	27	3271.8		
		eL	50 28	LZ	999 9	9999.9		
26	DH-	eP	13 39 22.7	SZ	0.8	6.0	53.7	4.66
		eS	46 50	LT	28	1969.6		
		eSS	50 45	LT	19	1328.2		
		eLQ	53 10	LR	40	4137.3		
		eLR	56 19	LZ	29	4062.3		
		eL	14 00 00	LZ	23	7808.0		
		eL		LR	23	3748.6		
		eL		LT	22	5789.0		
26	NP-	eP	13 42 10.5	SZ	1.0	15.3	81.0	4.92
		e	52 22	LT	12	2520.9		
		eSS	57 50	LT	21	961.1		
		eLQ	14 03 45	LT	28	4772.0		
		eLR	09 20	LZ	20	1596.8		
26	JE-	ePCS	13 43 18	LT	19	2243.5	38.0	
		e	46 08	LT	17	3913.6		
		eL	50 06	LZ	29	2513.8		
26	HW-	eS	13 47 25	LR	15	2711.4	55.7	
		eL	52 55	LR	18	4230.5		
						AVG.		4.87

26 15 42 48.* 4.7 S 104.6 W S.W. OF GALAPAGOS ISLANDS
H= 33 KM MAG 4.20 CGS

26 19 37 27.6 39.3 N 143.3 E OFF EAST COAST HONSHU. JAPAN
H= 33 KM MAG 4.70 CGS

26	NP-	eP	19 46 50.0	SZ	0.9	17.1	53.9	5.07
26	MN-	eP	19 53 39.2	SZ	0.3	7.8	.5	
		eS	53 47	ST	0.4	11.6		
26	LC-	eS	20 51 30	ST	0.4	16.7	1.3	

26 21 28 06. 4.6 N 95.8 E NEAR WEST COAST OF SUMATRA
H= 33 KM MAG 5.50 CGS

26	LC-	eP	22 00 05.5	SZ	0.2	2.3	3.0	
		eS	00 42	ST	0.4	4.1		
26	MN-	eP	22 04 52.0	SZ	1.2	5.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	NP-	eP	02 11 58.2	SZ	0.8	5.0		
27	MN-	eP	03 24 42.4	SZ	0.3	9999.9	.6	
		eS	24 51	SR	0.3	6.1		

27 03 37 40.8 30.4 S 71.5 W CENTRAL CHILE
H= 48 KM MAG 4.20 CGS

27	LC-	eP	03 48 53.6	SZ	0.6	2.1	70.8	4.30
27	RK-	eP	03 50 02.9	SZ	0.7	4.9	83.2	4.71
							AVG.	4.50

27 04 30 33. 25.9 N 95.8 E NORTHERN BURMA
H= 93 KM MAG 5.40 CGS

27	LC-	eP	06 21 25.5	SZ	0.4	.8		
27	LC-	eL	06 23 11	ST	0.5	9		

27 08 01 30.5 11.5 S 166.2 E SANTA CRUZ ISLANDS
H= 93 KM MAG 4.50 CGS

27	MN-	eP	08 14 01.0	SZ	1.0	2.4	86.1	4.11
		eL	41 06	LZ	26	289.5		
27	HW-	eL	08 23 50	LT	27	1406.3	48.8	
27	LC-	eL	08 44 40	LZ	26	192.1	93.7	
27	NP-	eL	08 23 50	LZ	17.0	584.7		
27	LC-	eP	10 07 01.4	SZ	0.8	2.9		
27	MN-	eP	12 15 17.5	SZ	0.5	.6	2.9	
		eS	15 55	SR	0.5	1.5		
27	NP-	eP	12 17 00.2	SZ	0.8	6.3		

27 13 33 54.1 19. S 167.5 E NEW HEBRIDES ISLANDS
H= 33 KM MAG 4.80 CGS

27	MN-	eP	13 46 52.4	SZ	1.1	6.0	90.0	4.71
		eP	51 33.2	SZ	999.9	9999.9		
27	NP-	eP	16 09 49.6	SZ	0.3	6.8	.2	
		eS	09 55	SR	0.5	11.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	DH=	eP	16 33 59.2	SZ	0.4	22.8	1.8	
		eS	34 22	ST	0.4	35.0		
27	LC=	eL	16 41 05	LT	27	177.7		
27	17 12 36.3		9.2 N 84.0 W OFF S. COAST OF COSTA RICA H= 33 KM MAG 4.20 CGS					
27	RK=	eP	17 20 24.6	SZ	0.9	7.6	42.3	4.45
27	MN=	eP	17 20 29.3	SZ	0.8	3.8	42.3	4.21
		eL	41 49	LZ	17	531.6		
27	DH=	eL	17 30 20	LT	27	316.9	33.9	
							AVG.	4.33
27	17 27 35.5		9.4 N 83.9 W OFF S. COAST OF COSTA RICA H= 33 KM MAG 4.20 CGS					
27	RK=	eP	17 35 24.3	SZ	0.9	11.5	42.1	4.64
27	MN=	eP	17 35 28.3	SZ	0.9	9.4	42.2	4.55
		e	35 52	SZ	1.0	6.5		
27	DH=	eL	17 46 15	LT	23	359.7	33.7	
							AVG.	4.59
27	19 12 50.7		36.8 N 71.2 E HINDU KUSH H=206 KM MAG 5.60 CGS					
27	MN=	eP	19 49 28.1	SZ	0.3	4.3	.7	
		eS	49 38	SR	0.4	1.3		
27	MN=	eP	20 01 32.8	SZ	0.7	1.2	5.9	
		eS	02 42	ST	0.8	2.4		
27	20 22 10.6		23.7 S 179.9 E SOUTH OF FIJI ISLANDS H=520 KM MAG 5.00 CGS					
27	HW=	eP	20 30 14.5	SZ	0.7	170.0	49.5	5.61
27	MN=	eP	20 33 50.9	SZ	0.9	25.7	84.8	4.86
		eP	33 53	LZ	17	376.5		
		epP	35 50	LZ	22	221.5		
		epP	35 51	SZ	1.2	10.0		
		epPP	39 13	SZ	1.0	5.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	43 41	LR	22.0	1031.2		
		esS	47 00	LR	23	598.7		
		eSS	49 25	LR	28	649.2		
		esSS	52 36	LT	22	498.4		
		eL	56 17	LR	33	684.4		
27	LC=	iP	20 34 14.4C	SZ	0.6	17.3	89.6	5.12
		eP	34 15	LZ	20	273.8		
		epP	36 12	SZ	1.4	14.9		
		epP	36 12	LZ	21	128.9		
		esP	37 00	LZ	20	221.2		
		ePP	37 51	SZ	0.9	5.7		
		epPP	39 36	SZ	1.0	11.3		
		eS	44 30	SR	4.5	488.6		
		eS	44 31	LR	19	846.7		
		esS	47 45	LR	23	421.3		
							AVG.	5.19
27	LC=	eP	22 12 23.2	SO	0.2	30.1		
27	LC=	eS	22 12 41	ST	0.3	20.8	1.2	
27	MN=	eP	22 23 43.9	SZ	0.6	3.7	2.4	
		eS	24 15	SR	0.6	3.7		
27	23 03 41.7		27.2 N 89.3 E BHUTAN H= 32 KM MAG 6.30 CGS					
27	MN=	eP	23 34 53.2	SZ	0.5	5.5	2.9	
		eS	35 30	SR	0.5	6.8		
28	03 33 44.5		35.9 N 114.9 W SOUTHERN NEVADA H= 5 KM					
28	03 36 12.7		61.1 N 147.6 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 8.50 CGS					
28	MN=	eP	03 42 14.6	SZ	999.9	9999.9	29.2	
		iP	42 17 D	LZ	999 9	9999.9		
28	RK=	eP	03 42 30.9	SZ	0.9	94.2	31.0	5.68
		eP	42 33	LZ	999 9	9999.9		
28	LC=	iP	03 43 40.5D	SZ	999.9	9999.9	39.1	
		eP	43 42	LZ	999 9	9999.9		
28	HW=	eP	03 44 00.7	SZ	1.6	1915.7	41.5	6.60
		iP	44 01 D	LZ	999 9	9999.9		
		e	44 08	SZ	0.7	518.7		
		e	50 37	SZ	3.0	26.8U		
		eL	55 08	SR	12.5	419.4U		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	04 10 05	SZ	0.7	106.3		
28	JE-	eP	03 44 38.5	SZ	1.2	907.6	46.2	6.65
		iP	44 43 D	LZ	999 9	9999.9		
		e	53 55	SZ	3.4	30.4U		
							AVG.	6.31
28	JE-	eP	04 45 56.3	SZ	1.2	138.4		
28	JE-	e	04 48 42	SZ	1.0	60.0		
28	04 54 07.9		59.8 N 149.4 W PRINCE WILLIAM SOUND; ALASKA H= 25 KM MAG 6.10 CGS					
28	JE-	eP	05 02 37.4	SZ	1.0	350.0	46.8	6.35
		ePCP	04 09	SZ	0.9	184.6		
28	JE-	eP	04 58 28.6	SZ	0.9	30.7		
28	JE-	eP	05 11 26.3	SZ	1.0	90.0		
28	JE-	eP	05 14 10.0	SZ	1.2	76.9		
28	05 31 05.4		58.1 N 150.1 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 5.30 CGS					
28	JE-	eP	05 39 35.0	SZ	0.6	54.3	46.9	5.75
28	05 33 52.6		60.2 N 146.2 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 5.60 CGS					
28	JE-	eP	05 42 10.8	SZ	1.4	142.8	45.3	5.70
28	05 35 38.4		57.2 N 153.0 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 5.70 CGS					
28	JE-	eP	05 44 18.3	SZ	1.2	292.3	48.4	6.17
28	05 44 54.9		60.1 N 148.4 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 4.90 CGS					
28	JE-	eP	06 01 43.0	SZ	1.0	60.0		
28	06 08 44.2		60.1 N 148.6 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 5.60 CGS					
28	JE-	eP	06 17 11.7	SZ	0.9	146.1	46.5	6.01

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	06 24 10.1		58.6 N 149.4 W PRINCE WILLIAM SOUND; ALASKA H= 15 KM MAG 4.70 CGS					
28	06 29 17.4		57.7 N 150.8 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 5.10 CGS					
28	JE-	eP	06 37 51.0	SZ	0.6	29.2	47.2	5.53
28	06 32 38.6		60.1 N 147.6 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 5.50 CGS					
28	06 36 55.2		57.9 N 151.5 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 5.10 CGS					
28	06 41 28.		59.9 N 147.8 W PRINCE WILLIAM SOUND; ALASKA H= 15 KM MAG 5.50 CGS					
28	JE-	eP	06 49 53.1	SZ	1.3	211.5	46.0	5.98
28	06 43 57.4		58.3 N 151.3 W PRINCE WILLIAM SOUND; ALASKA H= 25 KM MAG 6.10 CGS					
28	06 50 48.9		57.1 N 152.3 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 5.00 CGS					
28	06 53 35.6		58.8 N 149.5 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 5.70 CGS					
28	JE-	eP	07 02 02.3	SZ	0.4	41.3	46.7	5.83
28	07 09 12.		60. N 147.5 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 5.40 CGS					
28	07 10 21.4		58.8 N 149.5 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 6.20 CGS					
28	HW-	eP	07 17 38.2	SZ	0.6	89.4	39.0	5.63
		e	17 45	SZ	1.5	1885.3		
28	JE-	eP	07 18 51.4	SZ	1.0	220.0	46.7	6.16
							AVG.	5.89
28	07 24 21.7		59.3 N 149.8 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 5.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	07 28 20.5		57.9 N 150.4 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.00 CGS					
28	RK-	eP	07 34 56.7	SZ	0.9	30.7	32.9	5.21
28	07 30 29.6		57.4 N 151.7 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.70 CGS					
28	JE-	eP	07 39 07.8	SZ	1.0	140.0	47.7	6.00
		e	39 16	SZ	0.8	106.5		
		e	39 33	SZ	0.8	59.1		
28	07 47 47.1		58.3 N 150.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.80 CGS					
28	07 48 47.8		57. N 153.3 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.00 CGS					
28	07 52 00.8		57.1 N 154.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.80 CGS					
28	07 55 08.4		58.4 N 150.1 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.50 CGS					
28	07 59 40.7		57.9 N 150.3 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.40 CGS					
28	08 13 09.5		59.6 N 148.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					
28	08 30 11.7		60.5 N 147.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.70 CGS					
28	08 32 33.7		61. N 143.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.50 CGS					
28	08 33 47.		58.1 N 151.1 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.60 CGS					
28	JE-	eP	08 42 21.6	SZ	1.3	153.8	47.4	5.90
28	08 39 54.9		57.5 N 151.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	RK-	eP	08 46 35.0	SZ	0.9	50.0	33.6	5.42
		ePCP	49 14	SZ	0.9	17.3		
28	JE-	eP	08 48 31.9	SZ	0.7	79.6	47.6	5.90
							AVG.	5.66
28	08 42 31.3		60.3 N 147.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.70 CGS					
28	08 47 06.3		59.5 N 148.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					
28	RK-	eP	08 49 19.0	SZ	0.7	19.9		
28	08 52 44.6		60.3 N 147.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
28	08 54 25.*		57. N 154.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
28	08 55 12.1		58.3 N 149.3 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.60 CGS					
28	LC-	eP	09 02 36.0	SZ	1.0	7.4	38.6	4.37
28	08 55 22.8		56.7 N 151.9 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.10 CGS					
28	08 59 03.7		57.4 N 151.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 5.10 CGS					
28	LC-	eP	09 06 34.5	SZ	1.1	18.4	39.6	4.70
28	09 01 00.5		56.5 N 152.0 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 6.20 CGS					
28	RK-	eP	09 07 45.3	SZ	1.2	219.2	34.1	5.94
28	LC-	eP	09 08 31.1	SZ	1.6	197.7	39.4	5.54
		ePP	10 03	SZ	2.0	116.8		
28	JE-	eP	09 09 38.6	SZ	1.7	583.3	47.7	6.38
							AVG.	5.95

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	09 05 56.4		56.6 N 153.2 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.30 CGS					
28	LC-	eP	09 13 32.0	SZ	1.2	34.5	40.0	4.91
		ePP	15 04	SZ	1.5	29.3		
		e	15 41	SZ	1.5	18.3		
28	09 13 56.6		59.4 N 151.2 W PRINCE WILLIAM SOUND, ALASKA H= 35 KM MAG 5.20 CGS					
28	LC-	eP	09 21 31.0	SZ	999.9	9999.9	40.0	
		eL	33 43	SR	12.0	3858.8		
28	09 17 52.6		57.4 N 151.6 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.90 CGS					
28	LC-	eP	09 25 22.5	SZ	0.8	2.9	39.4	4.03
28	09 20 28.6		59.8 N 149.9 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
28	LC-	eL	09 22 42	SZ	10.5	4410.1		
28	09 26 16.5		61.3 N 148.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					
28	09 28 36.7		56.7 N 153.9 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
28	09 34 01.5		56.8 N 152.3 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.00 CGS					
28	LC-	eP	09 41 28.0	SZ	1.2	26.8	39.6	4.80
		eL	52 52	SZ	12.0	8914.0		
28	09 45 07.8		59.1 N 151.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
28	09 52 55.7		59.7 N 146.6 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 6.20 CGS					
28	MN-	eP	09 58 44.6	SZ	0.9	28.2	27.9	5.03
28	RK-	eP	09 59 08.2	SZ	1.3	105.7	30.6	5.52
28	LC-	eP	10 00 13.2	SZ	1.6	103.1	38.0	5.37
28	JE-	eP	10 01 13.0	SZ	1.3	76.9	45.4	5.45
							AVG.	5.34

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	09 58 23.*		58.8 N 150.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.60 CGS					
28	LC-	eP	10 05 52.0	SZ	0.6	2.6	39.2	4.13
28	09 58 24.*		57. N 153.3 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.90 CGS					
28	LC-	eP	10 06 02.0	SZ	1.1	16.9	40.2	4.64
		e	06 17	SZ	1.0	11.2		
28	10 08 42.7		43. N 101.6 W NEBRASKA SOUTH DAKOTA BORDER H= 16 KM MAG 5.10 CGS					
28	RK-	eP	10 10 59.0	SZ	0.4	12.9	9.5	5.66
28	LC-	eP	10 11 28.0	SZ	0.8	10.3	3.4	
28	JE-	eP	10 11 56.1	SZ	0.4	10.3		
28	LC-	eS	10 12 10	ST	999.9	9999.9	3.4	
28	JE-	e	10 14 20	ST	1.0	241.3		
28	10 15 41.9		59.6 N 149.4 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.80 CGS					
28	10 17 27.7		60.3 N 146.6 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS					
28	10 17 48.5		56.6 N 152.2 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.10 CGS					
28	MN-	eP	10 23 49.3	SZ	1.1	14.4	28.9	4.69
28	10 20 30.*		57.7 N 152.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
28	LC-	e	10 28 21	SZ	0.6	2.6	39.9	
		e	30 40	SZ	0.4	8		
		e	34 14	SZ	1.2	9.5		
28	JE-	eL	10 20 49	SR	6.2	53.4U		
28	10 25 34.*		58.8 N 149.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.70 CGS					
28	RK-	e	10 39 48	SZ	1.0	35.0	33.9	
28	10 33 00.2		57.7 N 152.2 W PRINCE WILLIAM SOUND, ALASKA H= 35 KM MAG 5.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	RK=	eP	10 39 40.3	SZ	1.2	146.1	33.9	5.75
28	LC=	eP	10 40 33.0	SZ	1.0	49.8	39.9	5.17
							AVG.	5.46
28	10 35 31.2		60.9 N 143.7 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.10 CGS					
28	RK=	eP	10 41 31.4	SZ	0.6	25.1	29.1	5.17
28	LC=	eP	10 42 44.0	SZ	1.0	12.4	37.3	4.65
28	JE=	eP	10 43 41.2	SZ	1.0	70.0	44.3	5.39
							AVG.	5.07
28	10 35 38.9		57.2 N 152.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 6.30 CGS					
28	RK=	eP	10 42 22.1	SZ	1.3	355.7	34.1	6.11
		ePCP	44 58	SZ	0.7	46.0		
28	LC=	eP	10 43 12.0	SZ	1.0	94.7	39.8	5.45
		eSCP	49 04	SZ	3.5	647.2		
28	JE=	eP	10 44 17.0	SZ	0.9	261.5	48.0	6.26
							AVG.	5.94
28	10 49 23.2		59.1 N 148.3 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.60 CGS					
28	LC=	eP	10 56 47.0	SZ	1.1	10.7	38.5	4.48
28	10 53 44.8		60.1 N 147.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.80 CGS					
28	LC=	eP	11 01 08.5	SZ	1.0	11.2	38.6	4.54
28	10 57 18.1		60.6 N 144.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.70 CGS					
28	LC=	eP	11 04 32.0	SZ	1.1	7.6	37.6	4.41
28	LC=	eL	10 58 05	SZ	15.0	41.8U		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	10 59 16.3		57.4 N 151.6 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 5.20 CGS					
28	RK=	eP	11 05 55.4	SZ	1.0	57.5	33.7	5.43
28	LC=	eP	11 06 46.4	SZ	1.2	42.2	39.4	5.02
28	JE=	eP	11 07 51.9	SZ	1.0	60.0	47.6	5.59
							AVG.	5.34
28	11 02 22.7		58.2 N 149.9 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 4.80 CGS					
28	LC=	eP	11 09 49.0	SZ	1.2	13.4	38.9	4.55
28	11 04 16.3		58. N 151.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.70 CGS					
28	LC=	eP	11 11 46.0	SZ	1.0	8.7	39.6	4.42
28	11 07 13.2		58.3 N 150.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.60 CGS					
28	11 08 26.		60.1 N 148.4 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.60 CGS					
28	MN=	eP	11 14 26.5	SZ	1.1	64.8	28.9	5.34
28	RK=	eP	11 14 48.6	SZ	1.0	135.0	31.5	5.80
							AVG.	5.57
28	RK=	eP	11 24 31.3	SZ	3.0	366.4		
28	11 24 57.5		56.4 N 149.7 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.00 CGS					
28	LC=	eP	11 32 18.0	SZ	1.4	32.6	38.1	4.91
28	RK=	e	11 25 14	ST	2.5	482.1		
28	RK=	e	11 25 35	SR	3.0	2332.5		
28	11 30 09.8		5 N 122.3 E NORTHERN CELEBES H=140 KM MAG 5.80 CGS					
28	LC=	eP?	11 48 53.0	SZ	999.9	9999.9	123.5	
		e	49 25	SZ	999.9	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	11 32 19.0		59. N 149.5 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.90 CGS					
28	RK-	eP	11 38 47.1	SZ	0.7	12.4	32.2	4.91
		e	38 53	SZ	0.6	18.8		
28	LC-	eP	11 39 47.0	SZ	1.1	13.8		
28	LC-	eP	11 39 54.0	SZ	0.9	17.2		
28	RK-	eP	11 48 44.9	SZ	0.8	125.7		
28	JE-	eP	11 49 07.2	SZ	1.3	76.9		
28	JE-	e	11 49 14	SZ	1.0	230.0		
28	RK-	e	11 49 18	SZ	0.6	25.1		
28	JE-	e	11 49 47	SZ	0.9	107.6		
28	11 50 01.9		58.2 N 149.8 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 5.30 CGS					
28	MN-	eP	11 55 56.9	SZ	1.0	20.0	28.5	4.85
28	RK-	eP	11 56 32.4	SZ	0.9	84.6	32.5	5.64
28	LC-	eP	11 57 27.0	SZ	1.1	27.7	38.8	4.89
							AVG.	5.12
28	JE-	eP	11 52 32.0	SZ	0.8	112.4		
28	JE-	e	11 52 46	SR	1.3	222.7		
28	11 56 48.3		57.6 N 151.8 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.50 CGS					
28	LC-	eP	12 04 18.7	SZ	1.0	8.7	39.6	4.42
28	12 03 16.5		60.3 N 146.6 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 5.10 CGS					
28	MN-	eP	12 09 11.6	SZ	1.0	45.8	28.3	5.23
28	LC-	eP	12 10 39.0	SZ	1.3	69.5	38.3	5.23
		ePP	12 07	SZ	1.5	14.6		
		e	12 43	SZ	1.0	4.9		
28	JE-	eP	12 11 38.4	SZ	1.3	173.0	45.5	5.84
							AVG.	5.43
28	MN-	eP	12 16 38.3	SZ	1.1	16.4		
28	LC-	eP	12 18 10.0	SZ	999.9	9999.9		
28	12 20 49.8		56.5 N 154.0 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 6.50 CGS					
28	MN-	eP	12 26 55.6	SZ	1.1	9999.9	29.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	RK-	eP	12 27 42.1	SZ	0.8	207.1	35.2	6.10
28	HW-	eP	12 27 54.8	SZ	0.6	143.0	36.5	5.96
28	LC-	eP	12 28 29.0	SZ	999.9	9999.9	40.4	
		eL	42 40	SZ	13.0	31.6U		
28	JE-	eP	12 29 35.9	SZ	1.4	1380.9	48.9	6.77
							AVG.	6.27
28	12 31 29.8		59.1 N 149.6 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.70 CGS					
28	LC-	eP	12 38 58.0	SZ	1.0	14.9	39.1	4.63
28	LC-	eP	12 42 34.0	SZ	1.0	7.4		
28	12 48 34.*		60.5 N 145.9 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.30 CGS					
28	LC-	eL	13 10 25	SZ	6.0	1105.0	38.1	
28	13 01 14.2		60.1 N 147.0 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 5.10 CGS					
28	MN-	eP	13 07 07.8	SZ	0.6	5.5	28.3	4.53
28	RK-	eP	13 07 30.0	SZ	1.0	45.0	30.8	5.30
28	LC-	eP	13 08 36.0	SZ	1.3	47.9	38.3	5.08
		ePP	10 07	SZ	2.0	46.7		
							AVG.	4.97
28	LC-	eP	13 01 30.0	SZ	1.3	14.3		
28	LC-	eP	13 03 28.0	SZ	0.8	4.4		
28	LC-	eP	13 07 37.0	SZ	1.0	7.4		
28	LC-	eP	13 19 33.0	SZ	1.0	3.7		
28	LC-	eP	13 22 24.0	SZ	1.0	3.7		
28	LC-	eP	13 23 32.0	SZ	1.2	7.6		
28	13 27 38.5		60.3 N 147.1 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.90 CGS					
28	MN-	eP	13 33 34.8	SZ	1.0	6.6	28.5	4.39
28	LC-	eP	13 35 01.5	SZ	1.2	15.3	38.5	4.59

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.49
28	13 44 11.		57.5 N 152.3 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 4.40 CGS					
28		LC- eP	13 51 45.0	SZ	1.0	6.2	39.8	4.25
28		LC- eP	13 45 54.0	SZ	0.9	5.7		
28	13 47 37.		57. N 152.8 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 5.00 CGS					
28		LC- eP	13 55 12.5	SZ	1.0	17.4	39.9	4.67
28	13 54 19.9		62.1 N 147.1 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.60 CGS					
28	14 01 57.6		56.5 N 154.4 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 5.10 CGS					
28		LC- eP	14 09 39.0	SZ	1.1	26.1	40.6	4.87
28		LC- eP	14 10 35.0	SZ	1.0	7.4		
28	14 18 16.1		58. N 149.7 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.80 CGS					
28		MN- eP	14 24 09.9	SZ	1.2	11.5	28.3	4.54
28		RK- eP	14 24 47.6	SZ	0.8	28.1	32.5	5.22
		e	24 53	SZ	0.9	26.9		
28		LC- eP	14 25 40.0	SZ	1.1	10.7	38.7	4.48
		e	25 46	SZ	1.1	9.2		
							AVG.	4.74
28		MN- eP	14 19 51.1	SZ	1.0	6.6		
28	14 33 13.6		57.8 N 152.1 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 4.90 CGS					
28		MN- eP	14 39 17.1	SZ	0.9	11.5	29.3	4.67
28		RK- eP	14 39 54.9	SZ	0.8	10.3	33.8	4.79
		e	40 03	SZ	0.9	30.7		
							AVG.	4.73
28		LC- eP	14 39 03.0	SZ	1.2	5.7		
28		LC- eP	14 40 48.0	SZ	1.1	30.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	14 46 19.2		57.8 N 151.3 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.80 CGS					
28		MN- eP	14 52 15.5	SZ	0.8	5.4	29.0	4.37
28		RK- eP	14 52 50.6	SZ	0.8	7.3	33.4	4.63
28		LC- eP	14 53 48.0	SZ	1.0	19.9	39.4	4.79
							AVG.	4.59
28	14 46 33.6		56.7 N 153.6 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.90 CGS					
28		MN- eP	14 52 37.3	SZ	1.1	26.7	29.6	4.94
28		RK- e	14 53 52	SZ	0.7	85.8	34.9	
28		LC- eP	14 54 09.2	SZ	1.0	42.3	40.3	5.11
							AVG.	5.02
28	14 47 37.1		60.4 N 146.5 W PRINCE WILLIAM SOUND. ALASKA H= 10 KM MAG 6.30 CGS					
28		MN- eP	14 53 33.3	SZ	999.9	9999.9	28.3	
28		HW- eP	14 55 19.3	SZ	1.0	213.6	40.9	5.83
28		JE- eP	14 55 59.9	SZ	0.6	29.2	45.5	5.42
		e	56 05	SZ	1.1	407.4		
		e	56 07	SR	1.3	373.4		
							AVG.	5.62
28	14 49 13.7		60.4 N 147.1 W PRINCE WILLIAM SOUND. ALASKA H= 10 KM MAG 6.50 CGS					
28		LC- eP	14 56 36.0	SZ	999.9	9999.9	38.5	
		eL	15 10 10	SZ	8.0	3720.2		
28		JE- eP	14 57 37.0	SZ	1.3	346.1	45.8	6.19
		eL	15 12 42	ST	6.0	12.8U		
28		LC- eP	15 07 58.0	SZ	1.1	15.3		
28	15 20 28.6		57.4 N 151.3 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.70 CGS					
28		MN- eP	15 26 26.7	SZ	1.1	9.2	28.8	4.49

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	15 22 36.4		60.4 N 146.8 W PRINCE WILLIAM SOUND; ALASKA H= 15 KM MAG 4.70 CGS					
28	15 27 30.1		61. N 149.0 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.70 CGS					
28		MN- eP	15 33 33.9	SZ	1.0	5.8	29.6	4.32
28	15 34 10.4		59.5 N 146.7 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.40 CGS					
28		LC- eP	15 41 23.0	SZ	1.1	9.2	37.9	4.49
28	15 36 22.3		58.3 N 150.9 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 4.70 CGS					
28	15 39 44.1		56. N 159.7 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.10 CGS					
28	15 42 53.5		60.6 N 147.1 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.10 CGS					
28	15 43 45.3		57.6 N 151.6 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.50 CGS					
28	15 51 50.7		58.8 N 149.9 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.50 CGS					
28		LC- eP	15 59 19.0	SZ	1.1	10.7	39.1	4.45
28	15 55 25.8		59.7 N 146.3 W PRINCE WILLIAM SOUND. ALASKA H= 10 KM MAG 4.70 CGS					
28		MN- eP	16 01 17.0	SZ	1.2	12.8	27.8	4.59
28		RK- eP	16 01 40.0	SZ	0.8	16.2	30.5	4.94
28		LC- eP	16 02 46.0	SZ	1.2	17.2	37.8	4.68
							AVG.	4.73
28	16 04 33.8		57.5 N 150.8 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.60 CGS					
28		MN- eP	16 10 30.5	SZ	0.8	3.4	28.6	4.19
28		LC- eP	16 12 01.0	SZ	1.2	7.6	39.1	4.26

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.22
28	16 15 02.9		59.6 N 149.6 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 4.00 CGS					
28	16 26 16.9		57.5 N 150.9 W PRINCE WILLIAM SOUND; ALASKA H= 30 KM MAG 5.00 CGS					
28		MN- eP	16 32 13.1	SZ	0.9	25.6	28.6	4.99
28		RK- eP	16 32 53.9	SZ	0.8	26.6	33.3	5.19
28		LC- eP	16 33 44.0	SZ	1.0	37.4	39.1	5.06
		ePCP	35 52	SZ	0.6	3.1		
							AVG.	5.08
28		RK- eP	16 28 28.6	SZ	0.6	12.5		
28		MN- eP	16 41 50	LZ	999 9	9999.9		
28	16 44 35.9		59.3 N 147.8 W PRINCE WILLIAM SOUND; ALASKA H= 25 KM MAG 5.30 CGS					
28		MN- eP	16 50 28.7	SZ	1.0	31.6	28.2	5.05
28		RK- eP	16 50 55.3	SZ	1.0	125.0	31.3	5.75
28		LC- eP	16 51 58.0	SZ	1.1	43.1	38.3	5.12
							AVG.	5.30
28		MN- eP	16 53 39.9	SZ	1.0	20.0		
28		LC- eP	16 55 12.5	SZ	1.2	36.4		
28		JE- iP	17 02 53 D	LZ	999 9	9999.9		
28	17 14 59.		59.5 N 148.6 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.30 CGS					
28		MN- eP	17 20 56.8	SZ	1.2	6.4	28.9	4.26
28		MN- eP	17 33 11.6	SZ	999.9	9999.9	1.0	
		eS	33 25	SR	0.5	16.1		
28		RK- eP	17 43 04.7	SZ	0.9	26.9		
28		LC- eP	17 46 54.0	SZ	0.8	4.4		
28	17 47 17.		60.4 N 145.7 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.70 CGS					
28		MN- eP	17 53 10.0	SZ	1.0	12.5	28.0	4.67
28		LC- eP	17 54 37.0	SZ	1.0	8.7	37.9	4.47

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.57
28	17 49 49.7		57.7 N 150.2 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.90 CGS					
28	MN-	eP	17 55 44.5	SZ	0.8	6.9	28.4	4.51
28	RK-	eP	17 56 23.7	SZ	0.8	19.2	32.8	5.06
		e	56 30	SZ	0.8	17.7		
							AVG.	4.78
28	MN-	eP	17 59 57.1	SZ	0.9	3.8		
28	18 02 54.9		59.5 N 149.3 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.60 CGS					
28	MN-	eP	18 08 53.3	SZ	1.0	4.1	28.9	4.15
		e	09 31	SZ	1.3	22.4		
28	LC-	eP	18 10 21.0	SZ	0.7	3.1	39.1	4.14
28	JE-	e	18 11 55	LT	24	2876.3	46.7	
		eL	32 23	LR	20	6520.6		
							AVG.	4.14
28	18 24 02.2		60.1 N 149.5 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.00 CGS					
28	18 46 53.4		60.5 N 148.4 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.30 CGS					
28	MN-	eP	18 52 59.1	SZ	1.3	11.2	29.1	4.50
28	19 01 51.5		60.1 N 146.9 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.50 CGS					
28	LC-	eP	19 09 13.0	SZ	1.1	9.2		
28	MN-	eP	19 13 37.2	SZ	1.1	10.2		
28	19 21 38.8		61.6 N 146.7 W PRINCE WILLIAM SOUND. ALASKA H= 45 KM MAG 4.60 CGS					
28	MN-	eP	19 27 37.1	SZ	1.0	10.0	29.1	4.51
28	LC-	eP	19 29 02.0	SZ	0.8	3.6	38.9	4.20

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.35
28	19 29 02.4		58.1 N 150.4 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.40 CGS					
28	RK-	eP	19 35 35.4	SZ	0.7	14.9	32.9	5.01
28	19 45 21.4		56.4 N 152.6 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.50 CGS					
28	20 05 45.*		60.6 N 144.5 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.00 CGS					
28	LC-	eP	20 25 07.0	SZ	1.0	3.7		
28	20 29 08.6		59.8 N 148.7 W PRINCE WILLIAM SOUND. ALASKA H= 40 KM MAG 6.60 CGS					
28	MN-	eP	20 35 05.0	SZ	999.9	9999.9	28.9	
		iP	35 07 D	LZ	15	3758.9		
		eS	40 00	SR	3.5	2044.7		
		e	40 23	SR	3.2	1121.0		
		eL	42 26	SR	8.0	8357.5		
28	RK-	eP	20 35 29.2	SZ	1.4	190.4	31.7	5.75
		ePCP	38 23	SZ	0.8	97.6		
28	LC-	eP	20 36 33.0	SZ	1.8	160.3	39.0	5.47
		eP	36 36	LZ	999 9	9999.9		
		e	36 37	SZ	999.9	9999.9		
		e	38 13	SZ	0.8	20.6		
		e	38 40	SZ	1.9	193.9		
		eS	42 42	ST	4.5	2437.3		
		e	46 48	ST	7.0	6189.0		
		eL	48 45	ST	13.0	14.1U		
28	HW-	eP	20 36 40.4	SZ	1.3	279.4	40.1	5.82
		eP	36 41	LZ	18	4710.7		
		e	36 52	SZ	1.5	1885.3		
		ePP	38 13	LZ	12	4121.0		
		eSCP	42 25	LZ	14	22.2U		
		eL	47 06	LZ	20	6938.1		
28	JE-	eP	20 37 37.3	SZ	1.0	180.0	46.5	6.01
		eS	44 22	LT	26	19.3U		
		eL	51 21	LR	31	17.5U		
							AVG.	5.76
28	HW-	eL	21 13 16	LR	27	1017.1		
28	21 15 17.4		58.2 N 150.1 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 4.70 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	MN=	eP	21 21 14.9	SZ	1.1	6.1	28.9	4.30
28	LC=	eP	21 22 44.0	SZ	1.2	9.5	39.0	4.38
							AVG.	4.34
28	HW=	eL	21 15 43	LZ	25	1203.2		
28			21 37 48.7	59.6 N 145.6 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.40 CGS				
28			21 57 54.3	56.4 N 152.6 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.40 CGS				
28	MN=	iP	22 01 18 C	LZ	999.9	9999.9		
28			22 09 43.2	58. N 153.2 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.70 CGS				
28	MN=	eP	22 15 56.1	SZ	0.9	4.2	30.0	4.24
28	LC=	eP	22 17 25.0	SZ	1.2	11.5	40.5	4.48
							AVG.	4.36
28			22 13 22.9	57.5 N 152.9 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 4.40 CGS				
28	MN=	eP	22 19 28.5	SZ	1.0	6.6	29.6	4.39
		e	19 35	SZ	1.0	5.0		
28	LC=	eP	22 21 00.0	SZ	1.0	9.9	40.1	4.46
							AVG.	4.42
28	LC=	eP	22 16 00.0	SZ	1.0	3.7		
28			22 16 20.8	59.8 N 148.8 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 3.90 CGS				
28			22 22 03.1	60.3 N 145.3 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.60 CGS				
28	MN=	eP	22 27 54.1	SZ	1.0	6.3	27.8	4.35
		e	27 58	SZ	1.0	5.0		
28	LC=	eP	22 29 21.0	SZ	0.6	1.5	37.7	3.95

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.15
28			22 28 47.	58.2 N 150.4 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 5.20 CGS				
28	MN=	e	22 34 41	SZ	1.2	16.6	28.7	
		eP	34 45.0	SZ	1.2	33.3		5.00
28	RK=	eP	22 35 20.9	SZ	0.9	73.0	32.8	5.59
28	LC=	eP	22 36 15.5	SZ	1.0	22.4	39.1	4.81
							AVG.	5.13
28			22 47 00.1	61.2 N 145.2 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.60 CGS				
28	MN=	eP	23 06 10.6	SZ	999.9	9999.9		
28			23 14 46.7	57.6 N 151.2 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.10 CGS				
28			23 21 05.7	61.5 N 146.5 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 3.80 CGS				
28			23 24 55.5	60. N 149.6 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.40 CGS				
28			23 46 22.	57.5 N 151.1 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 5.00 CGS				
28	LC=	eP	23 53 41.5	SZ	0.6	1.0	39.2	3.73
		e	53 50	SZ	0.9	40.2		
		ePCP	55 57	SZ	0.7	12.4		
28	MN=	eP	23 55 26.9	SZ	0.9	13.4		
29			00 12 32.3	56.8 N 153.4 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.50 CGS				
29	NP=	eP	00 17 36.0	SZ	999.9	9999.9	23.1	
29	MN=	eP	00 18 35.5	SZ	1.0	4.0	29.6	4.16
29			00 15 11.	59.9 N 146.3 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.40 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	MN-	eP	00 21 01.0	SZ	1.0	4.8	27.9	4.21
29	NP-	eP	00 15 29.0	SZ	999.9	9999.9		
29	NP-	eP	00 20 23.0	SZ	0.8	26.5		
29	00 21 03.8		58.4 N 150.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
29	NP-	eP	00 25 50.0	SZ	1.1	27.6	21.0	4.50
29	MN-	eP	00 27 01.0	SZ	1.0	3.2	28.8	4.05
		eL	35 20	SZ	10.0	2012.9		
							AVG.	4.27
29	DH-	eP	00 22 06.0	SZ	1.0	27.8		
29	NP-	eP	00 29 32.0	SZ	0.4	12.6		
29	MN-	e	00 32 11	SZ	0.6	1.3		
29	MN-	e	00 33 19	SR	0.5	2.4		
29	NP-	eP	00 36 48.0	SZ	0.5	7.4		
29	MN-	eP	00 42 16.0	SZ	0.4	6.7	.6	
		eS	42 24	SR	0.4	6.8		
29	00 43 14.*		58.7 N 153.3 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 3.90 CGS					
29	NP-	e	00 48 23	SZ	0.6	22.1	21.3	
29	NP-	eP	00 47 06.5	SZ	0.6	2.2		
29	MN-	eP	00 47 08.3	SZ	0.3	4.3	.6	
		eS	47 19	SR	0.3	9.9		
29	00 51 05.7		60.4 N 145.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.20 CGS					
29	MN-	eP	00 56 56.0	SZ	1.1	4.0	27.8	4.11
29	00 51 45.*		60.6 N 150.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.60 CGS					
29	MN-	eP	00 57 51.0	SZ	0.8	1.9	29.8	3.94
29	RK-	eL	01 11 30	LZ	18	513.0	32.2	
29	00 53 05.8		57.4 N 151.5 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	NP-	eP	00 58 01.0	SZ	1.0	23.5	22.2	4.56
		e	58 04	SZ	999.9	9999.9		
29	MN-	eP	00 59 05.0	SZ	1.0	9999.9	28.9	
29	LC-	eP	01 00 37.2	SZ	1.0	27.9	39.4	4.91
		e	02 42	SZ	1.0	3.8		
		e	03 02	SZ	1.4	27.1		
29	JE-	eP	01 01 41.5	SZ	0.6	63.3	47.6	5.85
29	RK-	eL	01 12 25	LZ	15	1150.0	33.6	
							AVG.	5.10
29	NP-	eP	00 53 24.0	SZ	0.6	11.0		
29	NP-	eP	00 55 20.0	SZ	0.6	5.5		
29	NP-	eP	01 00 34.0	SZ	999.9	9999.9		
29	MN-	eP	01 01 29.3	SZ	1.1	16.0		
29	01 09 36.4		59.8 N 149.2 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.20 CGS					
29	NP-	eP	01 14 03.8	SZ	999.9	9999.9	19.5	
		eP	14 05	LZ	28	1781.8		
		eS	17 40	LR	999 9	9999.9		
		e	17 40	LZ	14	7631.4		
		eL	20 45	LZ	25	2451.6		
		eL	24 00	SZ	4.0	1597.1		
29	LC-	eP	01 17 06.0	SZ	0.9	63.4	39.2	5.30
		e	23 00	LR	28	543.4		
		e	26 15	LR	17	533.1		
		eL	27 30	LT	35	2284.2		
29	JE-	eP	01 18 05.5	SZ	1.1	124.7	46.7	5.87
		ePCP	19 46	SZ	0.9	62.1		
		e	29 00	LZ	16	1465.2		
		e	32 45	LT	27	2076.7		
		eL	34 50	LT	18	7399.8		
29	DH-	eP	01 18 08.5	SZ	1.2	114.3	47.2	5.82
		ePCP	19 47	SZ	1.0	37.1		
		eL	31 55	LZ	25	901.8		
29	RK-	e	01 22 00	LZ	15	676.4	31.9	
		e	24 30	LR	15	2201.4		
		e	25 35	LR	35	4729.9		
		eL	28 00	LZ	21	2821.5		
29	HW-	e	01 23 22	LZ	20	485.3	40.0	
		eLQ	26 35	LR	20	943.1		
		eLR	28 25	LZ	23	2351.1		
							AVG.	5.66
29	NP-	eP	01 11 55.0	SZ	0.8	11.7		
29	LC-	eP	01 14 57.0	SZ	1.1	6.2		
29	RK-	e	01 16 02	ST	1.2	131.4		
29	MN-	eP	01 21 10	LZ	25	590.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	RK=	e	01 22 35	ST	1.2	23.1		
29	MN=	e	01 24 25	LZ	20	2608.2		
29	RK=	e	01 26 02	SR	1.5	36.2		
29	RK=	e	01 26 39	SR	2.3	261.3		
29	NP=	eP	01 27 26.0	SZ	0.6	8.8		
29	01 29 33.7		57.5 N 151.3 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.60 CGS					
29	NP=	eP	01 34 14.0	SZ	0.4	1.5	22.0	3.78
		e	34 27	SZ	999.9	9999.9		
		e	34 45	SR	1.0	144.8		
		e	38 40	SR	2.2	282.0		
		e	42 17	SZ	0.5	7.4		
		e	42 53	SZ	2.5	168.8		
29	LC=	eP	01 37 04.0	SZ	1.0	50.7	39.3	5.16
29	JE=	eP	01 38 09.2	SZ	1.0	202.0	47.5	6.15
		eL	57 15	LZ	19	3255.2		
29	DH=	eP	01 38 19.0	SZ	1.2	128.6	48.9	5.82
		eL	58 20	LZ	17	3173.7		
29	MN=	eL	01 44 10	LZ	17	1472.8	28.8	
29	RK=	eL	01 49 00	LZ	22	9999.9	33.5	
							AVG.	5.22
29	RK=	e	01 36 12	ST	0.6	27.3		
29	RK=	e	01 42 37	ST	1.0	12.5		
29	01 48 18.5		56.3 N 153.7 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.80 CGS					
29	NP=	eP	01 53 29.0	SZ	0.5	74.6	23.6	5.45
		e	53 43	SZ	1.1	85.3		
29	MN=	eP	01 54 23.2	SZ	1.0	22.8	29.5	4.93
		e	57 11	SZ	0.7	1.6		
		e	02 01 09	SZ	0.9	5.0		
		e	05 57	SZ	0.6	1.3		
		e	07 44	SZ	0.8	1.4		
29	JE=	eP	01 57 03.5	SZ	1.0	60.6	48.7	5.58
							AVG.	5.32
29	RK=	e	01 55 11	ST	1.0	15.0		
29	LC=	eP	01 56 55.5	SZ	1.2	35.1		
29	NP=	eP	02 04 24.0	SZ	0.8	5.8		
29	02 07 41.6		56.5 N 152.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.50 CGS					
29	NP=	eP	02 12 49.0	SZ	999.9	9999.9	23.2	
		e	16 24	SZ	2.0	28.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	MN=	eP	02 13 53.0	SZ	1.0	8.1	29.0	4.47
		e	16 48	SZ	0.7	8		
29	LC=	eP	02 15 15.0	SZ	1.0	6.3	39.7	4.25
29	JE=	eP	02 16 22.7	SZ	1.0	30.3	48.1	5.32
							AVG.	4.68
29	NP=	eP	02 10 05.5	SZ	0.5	3.7		
29	02 14 02.4		59.5 N 149.1 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.70 CGS					
29	MN=	eP	02 20 11.0	SZ	0.7	3.6	28.8	4.28
29	LC=	eP	02 21 30.0	SZ	1.2	15.6	39.0	4.57
							AVG.	4.42
29	RK=	e	02 14 29	ST	0.7	6.2		
29	02 16 29.8		58.3 N 149.7 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 4.90 CGS					
29	NP=	eP	02 21 17.0	SZ	999.9	9999.9	21.0	
29	MN=	eP	02 22 34.0	SZ	1.2	11.2	28.5	4.52
29	LC=	eP	02 23 55.0	SZ	1.0	8.8	38.8	4.44
							AVG.	4.48
29	NP=	e	02 17 40	SR	1.2	47.1		
29	02 19 13.2		59. N 149.2 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.70 CGS					
29	NP=	eP	02 23 48.0	SZ	0.7	51.5	20.3	4.91
29	MN=	eP	02 25 11.0	SZ	0.7	4.8	28.6	4.40
		ePP	26 03.0	SZ	1.1	12.0		
29	LC=	eP	02 26 40.0	SZ	1.2	19.5	38.9	4.68
							AVG.	4.66
29	RK=	e	02 23 00	ST	0.8	26.7		
29	02 25 25.1		57. N 151.7 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 5.20 CGS					
29	NP=	eP	02 30 26.0	SZ	999.9	9999.9	22.6	
		e	30 43	SZ	0.9	49.0		
		e	30 50	ST	0.7	51.7		
		eS	34 35	SR	2.5	309.7		
		e	36 45	SZ	0.7	9.0		
29	MN=	eP	02 31 24.2	SZ	0.6	4.7	28.8	4.46

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC-	eP	02 32 56.0	SZ	1.0	19.0	39.4	4.73
29	JE-	eP	02 34 02.0	SZ	1.1	62.3	47.6	5.59
							AVG.	4.92
29	NP-	e	02 25 40	SZ	4.5	9190		
29	RK-	e	02 25 41	ST	0.6	3.1		
29	02 31 59.*		60.2 N 148.2 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.70 CGS					
29	LC-	eP	02 39 26.5	SZ	1.3	21.9	38.9	4.70
29	RK-	eL	02 48 40	LZ	15	1217.6	31.4	
29	DH-	eL	02 54 50	LZ	15	2534.2	46.6	
29	RK-	e	02 32 17	ST	0.7	10.0		
29	MN-	eP	02 37 08.0	SZ	0.8	2.8		
29	MN-	e	02 40 02	SR	0.5	2.7		
29	MN-	e	02 41 09	SZ	0.6	1.7		
29	NP-	eP	02 49 56.2	SZ	0.5	.9		
29	NP-	eP	02 52 18.0	SZ	0.4	.7		
29	NP-	eP	02 55 14.3	SZ	0.5	1.8		
29	NP-	eP	03 01 00.0	SZ	0.5	.9		
29	NP-	e	03 01 01	SZ	0.4	4.7		
29	NP-	eL	03 02 38	SZ	3.5	158.6		
29	NP-	eP	03 04 32.2	SZ	1.0	13.7		
29	NP-	eL	03 05 43	SZ	4.0	319.4		
29	03 07 19.5		59.7 N 148.8 W PRINCE WILLIAM SOUND. ALASKA H= 30 KM MAG 5.00 CGS					
29	NP-	eP	03 11 44.8	SZ	0.6	17.7	19.5	4.50
		e	13 14	ST	0.4	25.6		
		e	15 36	SZ	1.1	11.5		
29	MN-	eP	03 13 12.5	SZ	2.4	222.9	28.8	5.51
		ePCP	16 35	SZ	1.2	10.0		
29	LC-	eP	03 14 45.5	SZ	1.2	39.0	39.0	5.00
		ePP	16 21	SZ	1.2	7.8		
29	DH-	eP	03 15 48.6	SZ	1.2	42.8	47.0	5.36
29	RK-	eL	03 25 45	LZ	22	1921.8	31.8	
							AVG.	5.09
29	RK-	e	03 13 41	ST	1.3	43.4		
29	03 15 17.*		57.9 N 150.9 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	03 25 24.7		60.4 N 144.7 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.30 CGS					
29	NP-	eP	03 29 37.0	SZ	0.4	7.1	18.2	4.19
29	MN-	eP	03 31 04.0	SZ	0.5	.6	27.6	3.62
		ePCP	34 28	SZ	0.5	1.2		
							AVG.	3.90
29	RK-	e	03 31 41	ST	0.8	4.4		
29	DH-	e	03 34 40	LZ	18	3130.4		
29	LC-	eP	03 36 59.0	SZ	1.0	2.5		
29	NP-	eP	03 38 26.0	SZ	0.5	8.4		
29	03 38 38.1		60.7 N 149.1 W PRINCE WILLIAM SOUND. ALASKA H= 40 KM MAG 5.10 CGS					
29	NP-	eP	03 42 53.7	SZ	0.4	26.8	18.6	4.83
		e	46 51	SZ	1.2	13.4		
29	MN-	eP	03 44 40.6	SZ	0.9	13.7	29.5	4.73
		ePCP	47 54	SZ	0.6	3.0		
29	LC-	eP	03 46 07.0	SZ	1.1	18.8	39.5	4.73
							AVG.	4.76
29	MN-	e	03 39 30	SZ	0.8	9		
29	RK-	e	03 44 59	ST	0.7	11.2		
29	MN-	e	03 46 21	SR	0.3	4.6		
29	03 52 26.5		59.7 N 148.8 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.40 CGS					
29	NP-	e	03 57 54	SZ	1.0	7.8	19.5	
29	MN-	eP	03 58 26.0	SZ	0.6	2.0	28.8	4.10
		ePCP	04 01 35	SZ	0.8	1.9		
29	LC-	eP	03 59 54.5	SZ	1.1	4.7	39.0	4.08
							AVG.	4.09
29	MN-	eP	03 54 44.0	SZ	0.2	2.3	2.8	
		eS	55 28	ST	0.4	2.9		
29	04 01 21.9		59.8 N 148.5 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.10 CGS					
29	NP-	eP	04 05 48.0	SZ	0.6	3.3	19.4	3.76
29	MN-	eP	04 07 30.0	SZ	0.5	1.5	28.7	4.06

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	3.91
29	NP-	eP	04 03 02.0	SZ	0.5	5.6		
29	JE-	e	04 03 40	LT	35	2902.4		
29	MN-	e	04 03 57	SZ	1.0	3.2		
29	04 12 15.7		60.2 N 145.5 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.20 CGS					
29	NP-	eP	04 16 32.0	SZ	999.9	9999.9	18.5	
		eP	16 35	LZ	15	1299.1		
		e	20 10	LZ	18	1970.7		
		eL	22 50	LZ	20	1484.3		
		eL	24 02	SZ	4.0	1038.1		
29	MN-	eP	04 18 13	LZ	20	409.8	27.8	
		eP	18 16.1	SZ	1.1	60.3		5.29
		ePCP	21 14	SZ	1.0	9.7		
		eS	23 00	LR	14	1915.7		
		eL	26 12	LZ	20	3763.3		
29	LC-	eP	04 19 33.5	SZ	1.1	47.0	37.7	5.16
		eL	30 55	LZ	32	977.0		
29	JE-	eP	04 20 32.8	SZ	1.3	155.4	45.0	5.75
		eS	27 20	LR	17	1544.7		
		eSCS	30 45	LR	16	1930.2		
		eLQ	34 20	LT	30	3698.2		
		eLR	36 35	LT	20	23.0U		
29	DH-	eP	04 20 34.0	SZ	1.0	27.8	45.3	5.15
		eP	20 50	LZ	15	1049.9		
		ePCP	22 12	SZ	1.0	18.5		
		eS	27 20	LR	17	883.6		
		eSCS	30 30	LR	25	1417.9		
		eLQ	34 15	LR	32	9889.4		
		eLR	38 00	LZ	17	3144.3		
29	RK-	eS	04 23 25	LR	20	1210.9	30.0	
		eL	26 15	LR	999 9	9999.9		
29	HW-	e	04 26 20	LZ	20	838.3	40.8	
		eL	29 28	LR	16	1731.6		
							AVG.	5.33
29	RK-	e	04 18 25	ST	1.0	75.3		
29	MN-	e	04 20 29	SZ	1.4	25.2		
29	MN-	e	04 23 35	SZ	1.0	6.5		
29	MN-	e	04 24 54	SZ	1.0	3.2		
29	RK-	e	04 28 09	SR	2.5	425.9		
29	NP-	eP	04 31 45.5	SZ	0.6	9.9		
29	NP-	eP	04 48 00.0	SZ	0.9	12.2		
29	04 51 53.3		56.8 N 152.4 W PRINCE WILLIAM SOUND, ALASKA H= 40 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	MN-	eP	04 57 52.2	SZ	0.9	5.0	29.1	4.27
		ePCP	05 00 59	SZ	0.7	8		
29	LC-	eP	04 59 24.5	SZ	1.5	22.3	39.7	4.67
							AVG.	4.47
29	NP-	eP	04 57 54.5	SZ	0.5	20.5		
29	NP-	e	04 58 00	SR	1.3	91.0		
29	05 00 29.3		60.3 N 147.4 W PRINCE WILLIAM SOUND, ALASKA H= 40 KM MAG 4.30 CGS					
29	NP-	eP	05 04 43.0	SZ	0.6	4.4	18.7	3.88
29	MN-	eP	05 06 23.0	SZ	0.5	4.9	28.6	4.51
		ePCP	09 37	SZ	0.5	1.2		
							AVG.	4.19
29	05 08 25.8		56.7 N 152.7 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.60 CGS					
29	NP-	eP	05 13 32.0	SZ	0.7	16.7	23.1	4.64
29	MN-	eP	05 14 27.0	SZ	1.0	6.5	29.2	4.38
							AVG.	4.51
29	05 13 42.4		59.5 N 147.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
29	NP-	eP	05 18 08.0	SZ	0.5	3.7	19.5	3.91
29	MN-	eP	05 19 34.0	SZ	1.0	4.0	28.1	4.14
							AVG.	4.02
29	05 21 09.8		57.1 N 150.4 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.40 CGS					
29	NP-	eP	05 26 04.2	SZ	1.5	122.0	22.3	5.11
29	MN-	eP	05 27 14.5	SZ	1.1	8.0	28.2	4.42
		ePCP	30 14	SZ	1.0	4.0		
		e	32 30	LZ	18	364.2		
		eL	35 10	LZ	25	1403.1		
29	LC-	eP	05 28 34.0	SZ	1.1	14.1	38.7	4.59
		e	28 46	SZ	1.0	32.9		
29	JE-	eP	05 29 50.5	SZ	1.1	62.3	46.9	5.59

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	NP-	eP	05 24 50.0	SZ	0.7	5.1		
29	RK-	e	05 27 46	ST	0.8	7.4		
29	05 37 47.4		56.9 N 153.3 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 4.80 CGS					
	NP-	eP	05 42 55.0	SZ	999.9	9999.9	23.0	
		e	44 25	ST	0.5	16.8		
29	MN-	eP	05 43 53.2	SZ	0.9	21.2	29.6	4.94
		ePCP	46 56	SZ	0.6	3.0		
29	LC-	eP	05 45 24.2	SZ	1.0	43.1	40.2	5.10
		ePCP	47 27	SZ	0.6	2.6		
29	JE-	eP	05 46 30.5	SZ	0.8	47.8	48.5	5.58
29	DH-	eP	05 46 42.0	SZ	0.7	13.8	50.1	5.00
							AVG.	5.15
29	NP-	eP	05 41 53.0	SZ	0.4	1.2		
29	RK-	e	05 44 36	ST	0.9	1.1		
29	NP-	eP	05 47 05.0	SZ	1.2	10.7		
29	05 51 58.		58.3 N 150.5 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.70 CGS					
29	MN-	eP	05 57 52.0	SZ	0.9	5.0	28.8	4.32
29	LC-	eP	05 59 28.2	SZ	1.1	6.2	39.2	4.20
							AVG.	4.26
29	NP-	eP	05 54 20.5	SZ	0.9	35.0		
29	MN-	e	05 55 33	SZ	0.8	3.8		
29	NP-	eP	05 56 06.0	SZ	0.5	18.6	4.3	
		eS	56 59	ST	1.3	80.9		
29	LC-	eP	05 57 13.5	SZ	1.1	6.2		
29	RK-	e	05 58 42	ST	0.7	15.0		
29	NP-	eP	06 01 19.0	SZ	0.7	18.0		
29	MN-	eP	06 02 17.0	SZ	1.0	2.4		
29	06 04 44.5		56.1 N 154.3 W PRINCE WILLIAM SOUND. ALASKA H= 30 KM MAG 5.80 CGS					
	NP-	eP	06 09 55.0	SZ	2.0	46.6	23.9	4.64
		eP	09 56	LZ	24	7078.6		
		eS	14 10	LT	17	35.3U		
		eS	14 10	LR	29	75.9U		
		eL	17 45	LZ	27	12.9U		
29	MN-	eP	06 10 50.5	SZ	2.5	503.0	29.8	5.87
		eP	10 53	LZ	20	2682.7		
		ePP	11 41	SZ	2.7	680.0		
		e	13 11	SZ	2.0	91.6		
		eS	15 38	LR	20	10.7U		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	15 45	SR	3.0	172.2		
		eSCP	17 35	SZ	2.5	140.8		
		eL	18 50	LZ	999 9	9999.9		
		eL	20 05	SZ	20.0	16.1U		
29	RK-	eP	06 11 40	LZ	20	1039.0	35.4	
		eS	17 15	LR	999 9	9999.9		
29	HW-	eP	06 11 48	LZ	22	1709.9	36.1	
		e	17 25	LZ	18	8723.9		
		eLQ	19 20	LT	16	8107.6		
		eLR	21 13	LZ	999 9	9999.9		
29	LC-	eP	06 12 22.5	SZ	1.3	68.3	40.5	5.22
29	JE-	eP	06 13 30.8	SZ	1.1	174.5	49.0	5.97
		eP	13 40	LZ	20	1467.1		
		eS	20 38	LR	23	15.4U		
		e	24 40	LZ	17	6883.5		
		eL	28 30	LT	23	11.9U		
29	DH-	eP	06 13 43.7	SZ	1.5	82.0	50.9	5.46
		eP	13 44	LZ	18	1372.9		
		eS	21 00	LR	28	6376.8		
		e	25 00	LR	20	7154.0		
		eLQ	28 35	LR	34	8771.9		
		eLR	32 00	LZ	16	9999.9		
							AVG.	5.43
29	MN-	e	06 07 10	LZ	18	364.2		
29	RK-	e	06 11 39	ST	1.3	48.3		
29	RK-	e	06 17 12	ST	2.5	248.3		
29	MN-	eP	06 21 31.0	ST	2.3	98.1		
29	RK-	e	06 24 39	ST	2.2	127.2		
29	06 29 39.4		58.1 N 149.8 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 5.00 CGS					
29	NP-	eP	06 34 23.0	SZ	1.1	133.7	21.2	5.20
29	MN-	eP	06 35 33.0	SZ	1.0	13.0	28.4	4.65
		ePCP	38 44	SZ	1.0	4.8		
29	LC-	eP	06 37 04.0	SZ	1.1	17.2	38.8	4.71
29	JE-	eP	06 38 08.0	SZ	1.1	37.4	46.7	5.31
							AVG.	4.96
29	06 36 16.*		59.9 N 146.0 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.30 CGS					
29	NP-	e	06 40 14	SZ	0.5	.9	18.8	
29	MN-	eP	06 42 14.0	SZ	0.9	8.1	27.8	4.50
29	06 38 09.*		58.6 N 148.9 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	NP-	eP	06 42 57.0	SZ	999.9	9999.9	20.6	
29	MN-	eP	06 43 57.0	SZ	0.7	3.2	28.3	4.20
29	LC-	eP	06 45 29.2	SZ	1.5	18.6	38.6	4.62
							AVG.	4.41
29	NP-	eP	06 46 13.0	SZ	0.8	20.6		
29	06 48 52.3		58.1 N 150.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.80 CGS					
29	NP-	eP	06 53 38.0	SZ	0.7	6.4	21.4	4.09
29	06 53 19.5		56.1 N 154.5 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.80 CGS					
29	NP-	eP	06 58 33.5	SZ	999.9	9999.9	24.0	
		e	07 01 36	SZ	2.5	93.7		
		eS	02 56	ST	2.5	122.3		
29	MN-	eP	06 59 26.0	SZ	1.5	16.7	29.9	4.62
29	LC-	eP	07 01 00.0	SZ	1.2	7.8	40.6	4.31
							AVG.	4.46
29	07 05 17.1		59. N 150.2 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.70 CGS					
29	NP-	eP	07 09 55.0	SZ	0.8	20.6	20.4	4.47
29	MN-	eP	07 11 17.0	SZ	0.6	1.3	29.0	3.91
							AVG.	4.19
29	NP-	eP	07 07 53.2	SZ	0.8	5.8		
29	MN-	e	07 07 55	SZ	0.5	1.8		
29	MN-	e	07 08 45	SZ	0.8	2.4		
29	NP-	eP	07 14 05.2	SZ	999.9	9999.9		
29	MN-	e	07 15 12	SZ	0.9	2.5		
29	07 18 08.		57. N 151.8 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.80 CGS					
29	NP-	eP	07 23 09.3	SZ	999.9	9999.9	22.6	
		e	23 23	SR	0.9	49.2		
		e	24 31	SZ	1.0	19.6		
29	MN-	eP	07 24 06.0	SZ	0.7	2.0	28.9	4.01
		e	26 41	SZ	0.7	2.0		
29	JE-	eP	07 26 45.2	SZ	0.8	23.9	47.7	5.30
							AVG.	4.65

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	07 37 22.8		55.9 N 154.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
29	NP-	eP	07 42 36.4	SZ	0.5	12.1	24.2	4.68
		e	43 16	SZ	1.0	7.8		
29	NP-	eP	07 38 26.5	SZ	1.0	9.8		
29	NP-	e	07 38 36	SR	2.5	275.2		
29	07 39 40.7		57.1 N 152.0 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.50 CGS					
29	NP-	eP	07 44 43.0	SZ	0.8	29.4	22.5	4.79
29	LC-	eP	07 47 14.5	SZ	1.0	6.3	39.6	4.25
							AVG.	4.52
29	MN-	eP	07 41 45.0	SZ	0.9	5.6		
29	MN-	e	07 48 33	SZ	0.5	6		
29	07 52 46.4		56.1 N 154.2 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.90 CGS					
29	NP-	eP	07 57 59.4	SZ	999.9	9999.9	23.9	
		eS	08 02 12	SR	2.2	117.5		
29	MN-	eP	07 58 52.0	SZ	0.8	3.8	29.7	4.25
		ePP	08 00 00	SZ	1.0	26.0		
		eL	07 40	LZ	20	2161.1		
29	LC-	eP	08 00 25.0	SZ	1.0	10.1	40.4	4.49
29	JE-	eP	08 01 34.5	SZ	0.5	7.6	48.9	4.96
		e	01 39	SZ	1.0	171.7		
29	DH-	eP	08 01 52.5	SZ	1.0	27.8	50.8	5.17
29	RK-	eS	08 05 10	LR	20	1304.1	35.4	
		eL	07 40	LR	18	1062.5		
29	HW-	e	08 05 35	LZ	20	838.3	36.1	
		eSS	07 42	LR	18	1764.5		
		eLR	09 35	LZ	23	1111.4		
							AVG.	4.71
29	NP-	eP	07 57 16.1	SZ	0.5	3.7		
29	RK-	e	07 59 42	ST	0.5	1.8		
29	RK-	e	07 59 48	ST	0.8	32.7		
29	MN-	eP	08 02 03.0	SZ	0.8	7.7		
29	MN-	e	08 05 37	SZ	2.0	25.4		
29	08 06 03.7		56.6 N 152.4 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.50 CGS					
29	NP-	eP	08 11 10.0	SZ	0.9	24.5	23.1	4.69

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
			56.5 N 152.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.90 CGS					
29			08 07 52.3					
29	NP-	eP	08 13 00.0	SZ	0.8	19.1	23.2	4.64
		e	13 04	SZ	999.9	9999.9		
29	MN-	eP	08 13 53.0	SZ	1.0	9.7	29.0	4.55
29	JE-	eP	08 16 34.0	SZ	1.0	40.4	48.1	5.44
							AVG.	4.87
			61.4 N 146.4 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.20 CGS					
29			08 11 54.*					
29	MN-	eP	08 17 53.0	SZ	0.7	2.8	28.9	4.17
29	RK-	e	08 14 40	ST	0.8	7.4		
			60.1 N 146.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 3.90 CGS					
29			08 18 42.*					
29	NP-	eP	08 19 36.8	SZ	1.0	23.5		
29	MN-	e	08 20 35	SZ	0.7	8		
29	RK-	e	08 22 29	ST	0.7	7.5		
29	NP-	eP	08 22 34.0	SZ	0.5	1.8		
			60.2 N 148.5 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.40 CGS					
29			08 31 30.					
29	NP-	eP	08 35 52.4	SZ	0.8	8.8	19.0	4.06
		e	36 13	SR	1.1	30.9		
		e	37 20	ST	1.2	15.1		
29	MN-	eP	08 37 31.0	SZ	0.7	3.6	29.0	4.29
		ePCP	40 39	SZ	0.6	1.3		
29	LC-	eP	08 38 59.5	SZ	1.1	7.8	39.1	4.30
							AVG.	4.21
29	NP-	eP	08 33 06.0	SZ	0.5	1.8		
			59. N 148.1 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.20 CGS					
29			08 44 52.					
29	RK-	e	08 47 29	ST	0.7	7.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
			56.7 N 152.1 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.30 CGS					
29			08 50 03.6					
29	NP-	eP	08 55 06.0	SZ	1.1	23.0	22.9	4.55
29	MN-	eP	08 56 01.0	SZ	1.0	2.4	28.9	3.92
							AVG.	4.23
			60.3 N 148.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 3.70 CGS					
29			09 00 09.1					
29	NP-	eP	09 04 30.5	SZ	0.6	2.2	18.9	3.58
			56.6 N 152.2 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.80 CGS					
29			09 06 44.8					
29	NP-	eP	09 11 51.0	SZ	999.9	9999.9	23.1	
29	MN-	eP	09 12 45.0	SZ	1.0	8.1	28.9	4.48
29	LC-	eP	09 14 17.0	SZ	1.1	7.8	39.5	4.29
							AVG.	4.38
29	RK-	e	09 14 25	ST	1.0	30.1		
			58.4 N 150.5 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.60 CGS					
29			09 15 55.4					
29	NP-	eP	09 20 35.8	SZ	999.9	9999.9	21.1	
29	MN-	eP	09 21 55.0	SZ	1.0	8.1	28.9	4.48
29	LC-	eP	09 23 26.0	SZ	1.0	6.3	39.3	4.24
29	HW-	eL	09 33 40	LZ	20	794.2	38.6	
							AVG.	4.36
			59.6 N 149.8 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.30 CGS					
29			09 22 01.*					
29	MN-	eP	09 28 11.0	SZ	0.7	2.0	29.2	4.00
29	RK-	e	09 24 43	SR	3.4	1030.7		
			60.5 N 151.2 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.30 CGS					
29			09 28 58.*					
29	MN-	eP	09 35 08.0	SZ	0.7	1.6	30.3	3.97

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC=	eP	09 36 36.5	SZ	1.2	5.8	40.4	4.16
							AVG.	4.06
29	MN=	e	09 31 51	SZ	0.6	1.7		
29	NP=	eP	09 44 48.4	SZ	0.5	1.1		
29	NP=	e	09 45 33	SZ	0.9	21.0		
29	MN=	e	09 47 15	SZ	1.0	4.8		
29	NP=	eP	09 49 53.3	SZ	0.5	25.2		
29	RK=	e	09 56 23	ST	0.8	9999.9		
29	MN=	e	09 56 41	SZ	1.3	12.5		
29	NP=	eP	09 57 48.2	SZ	0.8	19.1		
29	10 08 02.4		60. N 148.6 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 5.00 CGS					
29	NP=	eP	10 12 25.5	SZ	999.9	9999.9	19.2	
29	MN=	eP	10 14 12.5	SZ	999.9	9999.9	28.9	
		ePCP	17 11	SZ	0.7	9999.9		
		eS	19 00	LR	20	1117.8		
		eL	22 00	LZ	24	4070.8		
29	LC=	eP	10 15 31.0	SZ	1.2	6.6	39.0	4.20
29	JE=	eP	10 16 30.2	SZ	1.3	116.5	46.5	5.75
		eS	23 25	LR	25	1316.8		
		e	27 00	LT	20	628.7		
		eLQ	30 55	LT	30	1849.1		
		eLR	33 00	LT	20	6706.9		
29	DH=	eP	10 16 32.2	SZ	1.3	35.7	46.9	5.27
		e	18 06	SZ	1.0	18.5		
		eSCS	26 30	LR	21	700.6		
		eLQ	30 20	LR	30	3418.8		
		eLR	35 00	LZ	20	2148.5		
29	HW=	eSCP	10 21 30	LZ	25	437.2	40.3	
		eL	26 32	LR	16	279.7		
29	RK=	eL	10 23 15	LR	999 9	9999.9	31.6	
							AVG.	5.07
29	10 13 48.		60.6 N 146.3 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.60 CGS					
29	MN=	eP	10 19 43.0	SZ	1.0	4.0	28.3	4.18
29	NP=	eP	10 20 29.0	SZ	0.7	15.4		
29	10 38 29.*		59.2 N 155.1 W PRINCE WILLIAM SOUND. ALASKA H= 10 KM MAG 4.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	10 42 42.8		57.9 N 151.7 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 3.90 CGS					
29	NP=	eP	10 47 37.5	SZ	0.3	3.1	21.7	4.17
29	10 49 40.3		58.2 N 150.4 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 5.20 CGS					
29	NP=	eP	10 54 26.0	SZ	0.7	10.3	21.2	4.28
		e	54 29	SZ	0.7	36.1		
29	MN=	eP	10 55 37.5	SZ	1.0	13.8	28.7	4.69
29	LC=	eP	10 57 08.1	SZ	1.0	19.0	39.1	4.75
29	JE=	eP	10 58 12.5	SZ	1.0	50.5	47.1	5.53
		eL	11 15 10	LR	19	884.4		
29	RK=	eL	11 07 45	LR	15	9999.9	32.8	
29	HW=	eLR	11 07 45	LZ	20	617.7	38.4	
29	DH=	e	11 16 05	LR	15	1601.0	48.2	
		eL	18 25	LZ	20	2426.6		
							AVG.	4.81
29	RK=	e	10 51 29	ST	1.0	30.1		
29	RK=	e	11 01 02	SR	2.0	61.5		
29	LC=	eP	11 02 12.0	SZ	1.5	11.1		
29	RK=	e	11 03 12	ST	0.8	14.8		
29	LC=	e	11 04 16	SZ	1.1	29.7		
29	RK=	e	11 09 04	ST	0.6	7.3		
29	RK=	e	11 10 29	SR	2.0	61.5		
29	11 11 44.8		56.2 N 152.7 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.20 CGS					
29	11 17 14.*		58.5 N 151.2 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 3.90 CGS					
29	RK=	e	11 18 16	SR	1.9	123.1		
29	11 31 56.8		60.6 N 148.7 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.00 CGS					
29	NP=	eP	11 36 13.2	SZ	0.7	3.8	18.7	3.73
29	MN=	eP	11 37 57.0	SZ	0.8	2.4	29.3	4.04
							AVG.	3.88
29	RK=	e	11 39 57	ST	0.8	8.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29			11 44 04.3	60. N 149.1 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.90 CGS				
29	NP-	eP	11 48 28.5	SZ	0.8	22.1	19.3	4.47
29	MN-	eP	11 50 06.0	SZ	1.1	18.0	29.1	4.77
		e	53 12	SZ	0.4	2.2		
29	DH-	eL	12 12 10	LZ	17	1763.2	47.1	
							AVG.	4.62
29			11 54 41.	58.8 N 151.1 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.50 CGS				
29	NP-	e	11 59 06	SZ	0.6	6.6	20.8	
29	MN-	eP	12 00 34.1	SZ	1.5	9.5	29.4	4.37
		eP	00 43.0	SZ	1.6	11.2		4.41
							AVG.	4.39
29			11 56 33.	58. N 151.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.10 CGS				
29	MN-	eP	12 02 35.0	SZ	1.0	13.8	29.2	4.71
		eP	02 36.0	SZ	0.7	6.4		4.53
		ePCP	05 41	SZ	1.0	7.3		
		ePCP	05 42	SZ	1.0	8.1		
		eL	12 20	SZ	11.0	4584.8		
29	HW-	e	12 03 36	LZ	20	264.7	38.1	
		e	10 10	LR	13	5557.0		
		eLR	11 41	LZ	22	1367.9		
29	RK-	eL	12 13 10	LZ	999 9	9999.9	33.5	
29	JE-	eL	12 18 22	LZ	40	1059.9	47.7	
29	DH-	eL	12 24 00	LZ	12	6232.7	48.9	
							AVG.	4.62
29	NP-	eP	11 59 57.0	SZ	1.4	50.8		
29			12 03 03.8	60.9 N 143.2 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.70 CGS				
29	MN-	eP	12 08 50.0	SZ	1.0	13.0	27.4	4.61
		e	11 38	SZ	6.0	601.4		
29	NP-	eP	12 08 06.0	SZ	0.5	15.8		
29	MN-	eP	12 10 38.8	SZ	0.2	5.4	.6	
		eS	10 46	SR	0.2	16.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29			12 12 09.7	57.2 N 152.0 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.60 CGS				
29	MN-	eP	12 18 10.0	SZ	1.0	6.5	29.0	4.36
29	MN-	e	12 13 20	SR	0.4	1.7		
29	RK-	e	12 14 39	ST	0.7	7.5		
29			12 18 02.*	60.2 N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS				
29	NP-	eP	12 18 07.0	SZ	0.5	2.8		
29	NP-	e	12 18 09	SZ	0.5	25.2		
29	MN-	e	12 18 10	SR	0.8	3.8		
29	MN-	e	12 21 17	SZ	0.6	1.0		
29			12 33 10.1	59.2 N 153.8 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.80 CGS				
29	NP-	eP	12 37 56.0	SZ	0.4	8.0	20.9	4.40
29	MN-	eP	12 39 27.0	SZ	0.7	3.2	30.8	4.31
		e	42 57	SZ	1.0	6.5		
29	LC-	eP	12 40 56.0	SZ	1.0	6.3	41.1	4.32
							AVG.	4.34
29			12 48 05.9	59.9 N 145.6 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.50 CGS				
29	NP-	eP	12 52 23.2	SZ	0.9	29.7	18.8	4.52
29	MN-	eP	12 53 54.0	SZ	1.0	9.7	27.6	4.50
29	LC-	eP	12 55 21.5	SZ	1.2	9.7	37.6	4.46
							AVG.	4.49
29	NP-	eP	13 05 31.0	SZ	0.5	1.8		
29			13 07 48.*	60.3 N 147.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS				
29	NP-	eP	13 12 06.0	SZ	0.6	2.2	18.7	3.57
		e	12 58	SZ	999.9	9999.9		
29	MN-	e	13 13 59	SZ	1.0	19.5	28.5	
29	LC-	e	13 15 30	SZ	1.2	29.2	38.5	
29	RK-	e	13 30 58	ST	0.8	5.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	NP-	eP	14 02 17.2	SZ	0.6	4.4		
29	RK-	e	14 14 27	ST	0.9	3.8		
29	14 24 15.7		57.5 N 152.4 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 4.70 CGS					
29	NP-	eP	14 29 11.0	SZ	0.7	23.2	22.2	4.71
29	MN-	eP	14 30 19.2	SZ	1.0	4.8	29.4	4.25
							AVG.	4.48
29	NP-	eP	14 28 38.4	SZ	0.7	6.4		
29	MN-	eP	14 33 11.0	SZ	2.0	50.8	.6	
		eS	33 20	SR	3.0	1033.2		
29	LC-	eP	14 33 50.0	SZ	1.0	11.4		
29	14 43 09.*		60.2 N 146.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 3.90 CGS					
29	14 51 30.2		60. N 148.9 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.40 CGS					
29	15 07 13.1		54.3 N 157.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.90 CGS					
29	MN-	eP	15 13 26.5	SZ	1.0	4.0	30.7	4.25
29	LC-	eP	15 15 01.0	SZ	1.3	9.7	41.6	4.40
							AVG.	4.32
29	NP-	eP	15 13 31.5	SZ	1.5	65.3		
29	NP-	eP	15 15 50	LZ	12	3388.8		
29	NP-	e	15 17 40	LT	33	4503.2		
29	MN-	e	15 26 30	SZ	0.7	1.2		
29	15 30 33.9		57.2 N 152.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.40 CGS					
29	NP-	eP	15 35 31.6	SZ	1.0	43.1	22.5	4.84
		e	42 49	SZ	0.7	9.0		
29	MN-	eP	15 36 32.0	SZ	0.7	2.0	29.0	4.00
29	LC-	eP	15 38 04.3	SZ	1.0	3.8	39.6	4.06
							AVG.	4.30
29	15 39 28.6		56.1 N 154.4 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	NP-	eP	15 44 37.0	SZ	0.5	8.4	23.9	4.50
29	MN-	eP	15 45 36.0	SZ	0.6	1.0	29.8	3.80
							AVG.	4.15
29	15 51 43.6		60.4 N 146.9 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 4.40 CGS					
29	NP-	eP	15 58 10	LZ	14.0	2826.4		
29	NP-	eL	16 03 05	LZ	14	706.6		
29	16 09 15.3		60.3 N 146.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.80 CGS					
29	MN-	eP	16 15 10.5	SZ	1.0	17.9	28.3	4.82
		ePCP	18 22.0	SZ	0.9	7.5		
29	LC-	eP	16 16 39.0	SZ	1.0	12.6	38.3	4.61
29	JE-	eP	16 17 36.7	SZ	1.3	58.2	45.5	5.37
29	DH-	eP	16 17 38.5	SZ	1.0	18.5	45.8	5.02
		e	30 35	LR	30	525.9		
		eL	33 42	LR	20	491.8		
29	RK-	e	16 21 25	LZ	23	2287.9	30.6	
		eL	23 40	LR	21	3877.0		
							AVG.	4.95
29	RK-	e	16 15 29	ST	0.7	5.0		
29	16 16 22.4		58.8 N 150.5 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 4.70 CGS					
29	NP-	eP	16 21 02.0	SZ	0.5	10.2	20.7	4.39
29	MN-	eP	16 22 23.0	SZ	0.7	3.6	29.1	4.27
29	LC-	eP	16 23 53.0	SZ	1.0	7.6	39.4	4.35
29	RK-	eL	16 33 40	LR	30	4383.0	32.8	
29	JE-	e	16 34 18	LT	17	2192.9	47.2	
		eL	38 00	LZ	17	913.7		
29	DH-	eL	16 36 38	LZ	11	3099.9	48.1	
							AVG.	4.33
29	16 18 29.3		60.4 N 146.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	NP-	eP	16 22 43.0	SZ	0.6	17.7	18.4	4.43
29	MN-	eP	16 24 22.0	SZ	1.2	18.7	28.1	4.76
		ePCP	27 39	SZ	1.0	4.8		
		eL	31 25	LZ	19	216.0		
29	LC-	eP	16 25 49.5	SZ	1.1	10.9	38.1	4.52
29	HW-	e	16 29 27	LZ	20	352.9	41.0	
		eLR	37 10	LZ	22	812.2		
29	DH-	eLQ	16 40 40	LR	43	4656.2	45.5	
		eLR	43 10	LZ	14	1992.7		
29	JE-	eL	16 42 20	LT	22	8122.1	45.3	
							AVG.	4.57
29	RK-	e	16 22 53	ST	0.8	20.8		
29	16 33 20.*		56. N 149.9 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.60 CGS					
29	NP-	eP	16 38 24.5	SZ	0.5	21.4	23.2	4.87
29	RK-	e	16 38 46	ST	0.7	5.0		
29	16 40 57.9		59.7 N 147.0 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.80 CGS					
29	NP-	eP	16 45 20.5	SZ	0.8	67.8	19.2	4.94
		eP	45 21	LZ	20	4288.0		
		e	45 50	ST	1.1	305.5		
		eL	48 40	LZ	17	7285.9		
		e	49 20	SZ	1.5	305.0		
29	MN-	eP	16 46 51.0	SZ	999.9	9999.9	28.1	
		eP	46 55	LZ	25	1624.7		
		eL	54 54	ST	13.0	19.3U		
29	RK-	eP	16 47 15	LZ	21	1896.4	30.9	
		eS	52 00	LR	999 9	9999.9		
29	LC-	eP	16 48 19.2	SZ	1.3	97.6	38.2	5.39
		ePP	49 52	SZ	3.8	830.6		
29	HW-	eP	16 48 35	LZ	19	822.3	40.2	
		e	55 00	LZ	18	4266.1		
		eLQ	57 55	LR	18	8196.7		
		eLR	59 20	LZ	999 9	9999.9		
29	JE-	eP	16 49 20.0	SZ	2.0	441.9	45.6	6.07
		e	49 23	SZ	1.0	131.3		
		eS	56 00	LR	20	9680.7		
		e	17 00 00	LT	21	9031.1		
		eLQ	03 00	LT	40	14.4U		
		eL	04 44	SR	6.5	13.9U		
		eLR	05 00	LT	999 9	9999.9U		
29	DH-	eP	16 49 23.8	SZ	1.6	192.2	46.1	5.86
		ePCP	50 59	SZ	1.0	46.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	5.56
29	16 45 33.6		59.8 N 146.9 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.30 CGS					
29	MN-	eP	16 51 26.0	SZ	1.0	32.5	28.1	5.07
		eP	51 35	LZ	17	2425.8		
		eL	58 55	LZ	18	6476.4		
29	LC-	eP	16 52 53.0	SZ	1.0	43.1	38.2	5.16
29	JE-	eP	16 53 54.2	SZ	0.7	40.2	45.6	5.48
29	DH-	eP	16 53 57.0	SZ	1.2	57.1	46.1	5.45
		ePCP	55 32	SZ	1.0	37.1		
							AVG.	5.29
29	RK-	e	16 47 14	ST	1.0	35.1		
29	MN-	e	16 48 09	SZ	1.0	34.2		
29	16 53 26.6		60.3 N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.20 CGS					
29	MN-	eP	16 59 20.0	SZ	999.9	9999.9	28.1	
29	RK-	e	16 56 46	ST	999.9	9999.9		
29	MN-	e	16 58 17	SZ	4.2	618.0		
29	MN-	e	16 58 56	SZ	5.5	1506.9		
29	RK-	e	16 59 17	SR	6.0	35.6U		
29	JE-	e	17 01 46	SZ	1.0	50.5		
29	DH-	e	17 04 37	SR	2.5	375.8		
29	DH-	e	17 05 04	SR	2.5	626.4		
29	17 26 00.2		56.4 N 153.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
29	NP-	eP	17 31 07.0	SZ	1.0	9.8	23.5	4.24
29	17 38 12.5		59.9 N 147.0 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS					
29	NP-	eP	17 42 36.0	SZ	0.5	3.7	19.0	3.89
29	MN-	eP	17 44 06.1	SZ	0.6	1.7	28.2	4.02
29	LC-	eP	17 45 34.0	SZ	1.1	3.1	38.3	3.96
							AVG.	3.95
29	17 53 02.2		59.9 N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	MN=	eP	17 59 03.0	SZ	2.0	101.7	27.8	5.26
		eL	18 05 00	LZ	25	2658.6		
29	JE-	eP	18 01 14.5	SZ	1.0	60.6	45.2	5.47
							AVG.	5.36
29	17 55 30.2		60. N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.90 CGS					
29	MN-	eP	18 01 20.0	SZ	1.5	23.9	27.9	4.76
29	17 57 56.8		60. N 147.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					
29	RK-	e	18 09 55	ST	1.0	10.0		
29	NP-	eP	18 41 10.0	SZ	0.7	3.8		
29	NP-	e	18 42 10	SZ	0.5	14.9		
29	LC-	eP	18 44 43.9	SZ	1.1	7.8		
29	18 58 37.1		59.8 N 146.7 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.50 CGS					
29	MN-	eP	19 04 30.0	SZ	1.5	11.9	28.2	4.47
29	DH-	e	19 08 45	LR	33	1721.2	46.1	
		e	17 55	LR	23	519.8		
		eL	22 05	LZ	27	3216.5		
29	JE-	eL	19 23 00	LT	21	2052.5	45.7	
29	DH-	eP	18 59 21.0	SZ	0.6	11.6		
29	MN-	eP	18 59 53.0	SZ	1.5	45.5		
29	JE-	eP	19 00 12.5	SZ	0.6	25.3		
29	19 09 03.3		60.1 N 146.0 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.60 CGS					
29	MN-	eP	19 14 55.0	SZ	1.0	8.9	27.9	4.51
29	LC-	eP	19 16 22.5	SZ	1.0	7.6	37.9	4.41
		eL	30 50	LZ	20	318.8		
29	RK-	eL	19 27 40	LZ	17	2306.2	30.3	
							AVG.	4.46
29	RK-	e	19 11 45	LZ	20	519.5		
29	RK-	e	19 14 10	LZ	25	936.1		
29	RK-	e	19 15 15	ST	1.0	20.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	RK=	e	19 24 55	LR	16.0	2190.4		
29	19 31 46.1		59.9 N 148.2 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.60 CGS					
29	NP-	eP	19 36 10.0	SZ	0.5	1.8	19.2	3.59
29	MN-	eP	19 37 44.0	SZ	0.7	1.2	28.7	3.81
29	LC-	eP	19 39 11.5	SZ	1.0	5.0	38.8	4.17
29	MN-	eL	19 39 50	LZ	33	1536.8	AVG.	3.85
29	19 45 24.		56.4 N 152.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
29	NP-	eP	19 50 31.5	SZ	0.5	2.8	23.4	4.00
29	MN-	eP	19 51 25.0	SZ	0.9	2.5	29.1	3.98
							AVG.	3.99
29	NP-	eP	20 01 54.5	SZ	1.0	13.7		
29	NP-	eP	20 04 17.0	SZ	0.8	14.7		
29	RK-	e	20 06 08	ST	0.6	7.3		
29	NP-	eP	20 07 22.0	SZ	1.3	18.9		
29	NP-	eP	20 22 10.0	SZ	0.9	7.0		
29	20 30 03.*		59.9 N 145.7 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.00 CGS					
29	20 34 43.*		57. N 153.7 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS					
29	NP-	eP	20 39 54.0	SZ	0.7	5.1	23.0	4.14
		e	40 00	SZ	1.0	19.6		
29	NP-	eP	20 42 56.0	SZ	0.5	2.8		
29	NP-	eP	20 48 50.0	SZ	0.8	4.4		
29	NP-	eP	20 58 20.0	SZ	0.5	.9		
29	NP-	e	20 58 24	SZ	0.5	9.3		
29	20 59 25.6		59.2 N 153.0 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.60 CGS					
29	MN-	eP	21 05 38.2	SZ	1.0	4.8	30.4	4.30
29	21 03 11.5		60.6 N 144.8 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	21 09 30.*		59.5 N 152.5 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 4.00 CGS					
29	NP-	eP	21 22 25.0	SZ	0.7	6.4		
29	21 40 32.7		6.7 S 155.1 E SOLOMON ISLANDS H= 68 KM MAG 5.30 CGS					
29	HW-	eP	21 50 02	LZ	19.0	456.8	55.2	
		eS	57 40	LR	20	1257.5		
		e	22 02 10	LZ	25	743.3		
		eSSS	03 55	LR	25	1557.8		
		eLQ	05 30	LR	30	4068.0		
		eLR	06 00	LZ	25	3498.2		
29	MN-	eP	21 53 34.0	SZ	1.0	9999.9	91.6	
		ePP	57 11	SZ	4.0	423.3		
		eL	22 22 20	LZ	40	2412.0		
29	NP-	eP	21 53 50.0	SZ	0.7	29.6	95.4	5.87
29	DH-	eP;	21 59 24.1	SZ	1.0	37.1	123.5	
		e	22 26 45	LR	30	552.2		
		e	35 00	LR	38	1054.7		
		eLQ	39 05	LR	35	1444.7		
		eLR	40 55	LZ	999 9	9999.9		
29	RK-	eSP	22 08 40	LZ	20	614.0	108.5	
		e	19 10	LZ	30	611.1		
		e	22 15	LZ	30	444.4		
		e	28 00	LR	30	931.4		
		eL	30 15	LZ	44	2352.1		
		eLR	33 25	LR	999 9	9999.9		
29	JE-	eLQ	22 33 35	LR	30	1116.4	112.9	
		eLR	35 00	LZ	26	2973.1		
29	NP-	eP	21 43 45.5	SZ	0.6	4.4		
29	NP-	e	21 43 50	SZ	0.7	64.4		
29	NP-	eP	21 53 16.6	SZ	0.5	3.7		
29	RK-	e	22 06 00	ST	0.8	2.9		
29	NP-	eP	22 31 35.5	SZ	0.9	7.0		
29	22 35 38.5		60.3 N 146.5 W PRINCE WILLIAM SOUND; ALASKA H= 15 KM MAG 4.30 CGS					
29	NP-	eP	22 39 55.7	SZ	0.5	6.5	18.6	4.09
29	MN-	eP	22 41 33.0	SZ	1.0	3.2	28.2	4.08
							AVG.	4.08

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	NP-	eP	22 44 47.6	SZ	0.7	9.0		
29	NP-	eP	22 45 10.0	SZ	0.5	8.4		
29	22 47 19.		60.3 N 145.4 W PRINCE WILLIAM SOUND; ALASKA H= 15 KM MAG 4.40 CGS					
29	NP-	eP	22 51 34.0	SZ	0.5	9	18.4	3.23
29	MN-	eP	22 53 10.0	SZ	1.0	4.8	27.8	4.24
							AVG.	3.73
29	RK-	e	23 05 41	SR	2.1	54.1		
29	23 08 28.6		56.1 N 153.5 W PRINCE WILLIAM SOUND; ALASKA H= 15 KM MAG 4.60 CGS					
29	NP-	eP	23 20 37.5	SZ	1.0	21.5		
29	23 25 35.1		59.2 N 152.6 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 4.10 CGS					
29	NP-	eP	23 30 14.0	SZ	0.4	1.5	20.7	3.68
29	23 27 55.3		59.7 N 148.2 W PRINCE WILLIAM SOUND; ALASKA H= 30 KM MAG 4.60 CGS					
29	NP-	eP	23 32 20.0	SZ	0.7	18.0	19.4	4.44
29	MN-	eP	23 33 50.0	SZ	0.8	3.8	28.6	4.22
		ePCP	37 01	SZ	0.8	1.9		
		eSCP	40 53	SZ	0.9	5.0		
29	LC-	eP	23 35 19.0	SZ	1.0	5.0	38.7	4.22
							AVG.	4.29
29	RK-	e	23 34 14	ST	0.9	3.8		
29	23 40 54.8		61.1 N 151.0 W PRINCE WILLIAM SOUND; ALASKA H= 25 KM MAG 4.70 CGS					
29	MN-	eP	23 47 09.2	SZ	0.9	11.2	30.5	4.71
29	RK-	e	23 47 24	ST	0.6	6.3		
29	23 49 28.6		59.9 N 147.1 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	NP-	eP	23 53 51.5	SZ	0.5	5.6	19.0	4.07
29	MN-	eP	23 55 22.0	SZ	1.8	34.8	28.2	4.85
29	LC-	eP	23 56 50.0	SZ	1.2	11.7	38.3	4.51
							AVG.	4.47
29	23 55 51.9		58.9 N 150.0 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.70 CGS					
29	MN-	eP	23 59 34.0	SZ	0.8	1.9		
30	00 08 25.*		60.2 N 146.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.70 CGS					
30	LC-	eP	00 15 47.8	SZ	1.0	2.5	38.1	3.96
30	00 17 57.7		59.3 N 149.0 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.50 CGS					
30	RK-	eP	00 24 22.6	SZ	0.6	6.2	31.9	4.68
30	LC-	eP	00 25 24.4	SZ	1.0	3.7	38.9	4.04
							AVG.	4.36
30	00 26 15.7		58.9 N 150.2 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.60 CGS					
30	MN-	eP	00 32 16.5	SZ	0.7	3.2	29.0	4.23
30	LC-	eP	00 33 46.3	SZ	0.8	4.4	39.3	4.20
							AVG.	4.21
30	00 53 55.8		60. N 146.3 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.20 CGS					
30	NP-	eP	00 58 15.6	SZ	0.9	6.6	18.8	3.86
30	01 17 11.3		58.8 N 148.9 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.40 CGS					
30	01 32 09.5		59.8 N 146.6 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	MN-	eP	01 38 02.8	SZ	0.9	3.7	28.0	4.19
30	RK-	eP	01 38 24.0	SZ	0.9	28.8	30.6	5.14
		eL	50 50	LZ	17	315.3		
30	LC-	eP	01 39 30.7	SZ	1.0	6.2	38.0	4.33
30	HW-	eL	01 50 38	LZ	24	258.2	40.3	
30	DH-	eL	01 59 30	LZ	15	1054.3	45.9	
							AVG.	4.55
30	01 40 54.5		60.3 N 145.3 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.50 CGS					
30	01 41 38.6		60.6 N 144.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.70 CGS					
30	NP-	eP	01 45 46.1	SZ	0.8	25.2	17.9	4.43
30	MN-	eP	01 47 24.5	SZ	0.7	1.6	27.6	3.86
30	JE-	e	01 57 05	LZ	19	212.5	44.5	
		eL	02 03 57	LT	22	198.9		
30	RK-	eP	01 57 28.0	SR	3.0	505.8	AVG.	4.14
30	RK-	e	01 57 43	SR	2.8	373.4		
30	01 57 54.3		57.6 N 150.1 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.80 CGS					
30	NP-	eP	02 07 35.5	SZ	0.9	16.6		
30	MN-	eP	02 08 56.5	SZ	0.7	10.5		
30	NP-	e	02 09 00	SZ	1.4	51.8		
30	RK-	eP	02 09 24.5	SZ	0.7	6.2		
30	RK-	e	02 09 31	SZ	0.9	46.1		
30	LC-	eP	02 10 25.8	SZ	0.8	10.4		
30	LC-	e	02 10 31	SZ	0.9	14.4		
30	NP-	e	02 11 30	ST	2.5	291.8		
30	DH-	eP	02 11 37.9	SZ	0.7	28.1		
30	MN-	e	02 12 10	SZ	0.7	1.6		
30	LC-	e	02 16 26	SZ	1.0	2.5		
30	02 18 06.3		56.6 N 152.9 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 6.60 CGS					
30	NP-	eP	02 23 11.5	SZ	0.8	61.7	23.1	5.14
		eP	23 12	LZ	999 9	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	27 35	SR	2.0	690.4		
30	MN-	eP	02 24 07.5	SZ	1.1	18.1	29.2	4.77
		eP	24 11	LZ	19	9999.9		
		eS	29 10	SR	2.4	221.2		
		eSCP	30 54	SZ	1.3	15.7		
		eL	31 30	ST	6.0	5595.2		
30	RK-	eP	02 24 54.3	SZ	0.9	48.0	34.5	5.42
		e	24 58	SZ	0.8	65.0		
		eP	25 00	LZ	17	5847.9		
		e	25 52	SZ	1.4	184.5		
		eS	30 30	LZ	23	10.8U		
		eS	30 32	SR	2.2	244.6		
		e	30 43	ST	2.8	1084.0		
		ePCS	31 14	SR	1.3	46.4		
		eL	33 35	ST	11.5	17.6U		
30	HW-	eP	02 25 12.8	SZ	0.7	82.9	36.6	5.65
		eP	25 13	LZ	19	7949.5		
		ePP	26 43	SZ	0.9	256.4		
		ePP	26 49	LZ	15	8594.9		
		eS	30 35	LR	17	7061.6		
		eLQ	32 15	LR	19	491.3		
		eLR	34 57	LZ	999 9	9999.9		
30	LC-	eP	02 25 40.0	SZ	1.1	15.5	39.9	4.60
		eP	25 40	LZ	20	9485.4		
		ePP	27 23	SZ	1.2	52.1		
		ePP	27 24	LZ	18	12.1U		
		eSCP	31 33	SZ	1.1	7.7		
		eL	37 56	ST	17.0	50.4U		
30	JE-	eP	02 26 47.5	SZ	0.8	42.6	48.3	5.54
		ePP	28 36	SZ	1.1	152.4		
		e	33 04	SR	3.5	3779.8		
		eL	40 57	SR	6.0	8604.7		
30	DH-	eP	02 26 59	LZ	15	9999.9	50.0	
		eP	26 59.6	SZ	0.7	18.7		5.13
		e	27 14	SZ	1.0	311.3		
		eS	34 19	SR	3.0	831.0		
		e	34 28	SR	3.6	3136.5		
		eL	45 54	ST	10.0	23.3U		
							AVG.	5.17
30	NP-	eP	02 37 42.5	SZ	0.8	21.0		
30	02 41 59.6		56.5 N 153.0 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 4.90 CGS					
30	NP-	eP	02 47 06.0	SZ	0.9	73.2	23.3	5.16
		e	49 23	SZ	0.5	7.1		
		ePCP	51 03	SZ	0.9	16.6		
30	LC-	eP	02 49 34.0	SZ	1.0	5.0	39.9	4.16

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.66
30	02 43 35.6		56.7 N 154.0 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.70 CGS					
30	02 45 26.9		59.7 N 149.8 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 4.70 CGS					
30	HW-	eP	03 02 51.4	SZ	0.3	39.6	3.7	
		eS	03 37	ST	0.4	156.7		
30	03 12 17.1		56. N 153.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
30	NP-	eP	03 17 26.9	SZ	0.9	16.6	23.9	4.53
30	03 35 12.*		61.2 N 151.1 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 4.40 CGS					
30	MN-	eP	03 40 42.0	SZ	0.7	1.6		
30	04 01 36.*		56.4 N 152.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
30	NP-	eP	04 06 40.0	SZ	0.9	8.3	23.4	4.21
30	LC-	eP	04 09 08.0	SZ	0.9	1.9	39.8	3.80
							AVG.	4.00
30	04 04 48.5		59.1 N 148.4 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.20 CGS					
30	04 20 16.3		60.3 N 146.3 W PRINCE WILLIAM SOUND, ALASKA H= 5 KM MAG 4.90 CGS					
30	04 22 43.1		59.5 N 146.3 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.50 CGS					
30	NP-	eP	04 27 09.3	SZ	0.5	8.8	19.3	4.26
30	MN-	eP	04 28 32.5	SZ	0.8	2.9	27.7	4.10
30	LC-	eP	04 30 01.3	SZ	1.3	9.6	37.8	4.40
							AVG.	4.25

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	NP-	eP	04 44 41.2	SZ	0.8	8.4		
30	04 46 06.1		57.6 N 151.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.70 CGS					
30	JE-	eP	04 56 11.8	SZ	0.8	48.7		
30	LC-	eP	04 57 10.0	SZ	0.5	22.7		
30	LC-	e	04 57 25	SZ	0.6	13.1		
30	DH-	eP	04 58 16.3	SZ	0.6	15.7		
30	MN-	iP	04 58 49.2C	SZ	0.8	35.7		
30	RK-	eP	04 59 04.9	SZ	0.7	29.8		
30	MN-	eP	05 01 18.4	SZ	0.9	11.3		
30	NP-	eP	05 02 28.4	SZ	0.9	24.9		
30	05 04 15.*		60.4 N 145.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.80 CGS					
30	NP-	eL	05 19 25	LZ	22.0	1118.4	18.2	
30	HW-	eL	05 08 11	LZ	20.0	1279.6		
30	05 14 21.5		56.2 N 154.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					
30	NP-	eP	05 19 33.2	SZ	0.5	15.9	23.8	4.77
		e	19 39	SZ	0.7	41.7		
30	RK-	eP	05 21 15.8	SZ	0.7	4.9	35.5	4.52
30	LC-	eP	05 22 00.3	SZ	0.9	4.8	40.6	4.24
		e	22 57	SZ	1.0	3.7		
						AVG.		4.51
30	05 32 30.*		56.9 N 151.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
30	DH-	eL	05 48 01	LR	20.0	475.8		
30	NP-	eP	05 59 45.9	SZ	0.8	28.0		
30	06 28 58.*		59.7 N 148.6 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.10 CGS					
30	06 28 59.1		59.6 N 146.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	LC-	eP	06 33 44.0	SZ	1.1	3.1		
30	07 08 54.5		58.3 N 149.3 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.50 CGS					
30	07 09 34.		59.9 N 145.7 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 6.20 CGS					
30	NP-	eP	07 13 52.4	SZ	0.8	56.1	18.8	4.84
		eP	13 53	LZ	17	8628.1		
		e	16 05	SZ	1.9	494.8		
		e	17 02	SR	2.3	785.2		
		eS	17 20	LT	17	33.4U		
30	MN-	eP	07 15 23.0	SZ	1.1	40.3	27.7	5.10
		eP	15 26	LZ	20	2352.8		
		eS	20 00	LR	19	3819.4		
		eS	20 10	SR	7.0	3836.1		
		e	21 10	LZ	25	8924.8		
30	RK-	eP	07 15 43.9	SZ	1.1	188.2	30.2	5.84
		eP	15 45	LZ	17	2522.6		
		e	17 15	LZ	14	3803.2		
		ePCP	18 46	SZ	0.9	38.4		
		e	21 10	LZ	18	9037.4		
		e	21 43	SR	7.7	7193.6		
		eL	26 21	LZ	19	21.2U		
30	LC-	eP	07 16 50.0	SZ	1.0	20.1	37.7	4.83
		eP	16 50	LZ	17	1281.0		
		e	18 01	SZ	1.5	18.4		
		ePP	18 28	LZ	15	3293.5		
		eL	25 50	ST	6.0	896.3		
		eL	27 40	LZ	28	8850.9		
30	HW-	eP	07 17 15	LZ	17	1333.7	40.5	
		eP	17 15.9	SZ	0.9	170.9		5.75
		eSCP	23 19	LZ	19	9046.0		
30	JE-	eP	07 17 51.5	SZ	1.0	72.0	45.0	5.53
		eP	17 52	LZ	14	2638.9		
		ePP	19 32	SZ	1.2	47.4		
		ePP	19 35	LZ	13	3522.3		
		e	20 46	ST	1.5	109.7		
		eS	24 35	LT	18	8252.4		
		eL	28 00	LR	15	15.9U		
		eL	30 11	ST	7.0	8502.5		
30	DH-	eP	07 17 54.1	SZ	1.0	37.7	45.5	5.30
		eP	17 55	LZ	13	6186.8		
		e	19 33	SZ	1.0	28.3		
		e	19 35	LZ	16	4444.5		
		eS	24 41	LR	20	4169.1		
		eL	30 50	SZ	6.5	8726.8		
						AVG.		5.31

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	07 37 01.*		59.7 N 145.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
30	LC-	eP	07 44 14.4	SZ	1.0	6.2	37.4	4.36
30	07 52 44.*		59.9 N 146.5 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.00 CGS					
30	NP-	eP	07 57 04.4	SZ	1.0	14.9	18.9	4.18
30	07 56 29.1		56.3 N 154.4 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.00 CGS					
30	NP-	eP	08 01 40.9	SZ	0.7	54.0	23.8	5.16
30	RK-	eP	08 03 24.6	SZ	1.0	30.0	35.4	5.15
30	LC-	eP	08 04 10.1	SZ	1.0	17.5	40.6	4.73
		e	04 16	SZ	0.9	8.6		
		ePCP	06 11	SZ	1.0	3.7		
30	JE-	eP	08 05 16.7	SZ	0.9	39.5	49.1	5.42
							AVG.	5.11
30	08 05 50.		60.2 N 147.6 W PRINCE WILLIAM SOUND, ALASKA H= 35 KM MAG 4.30 CGS					
30	RK-	eP	08 30 00.9	SZ	0.7	7.4		
30	NP-	eP	08 33 16.1	SZ	0.7	14.7		
30	08 34 37.3		57. N 152.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.20 CGS					
30	NP-	eP	08 39 38.4	SZ	0.9	26.6	22.8	4.72
30	08 40 10.7		56.5 N 153.0 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.30 CGS					
30	RK-	eP	08 46 59.5	SZ	0.8	5.9	34.6	4.56
30	08 53 17.9		56.3 N 153.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
30	09 23 05.		59.9 N 145.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					
30	NP-	eP	09 27 21.1	SZ	0.9	39.9	18.8	4.66
30	MN-	eP	09 29 02.1	SZ	0.9	6.9	27.6	4.38
30	RK-	eP	09 29 13.4	SZ	1.1	15.4	30.1	4.72
30	LC-	eP	09 30 20.0	SZ	0.7	1.8	37.6	3.99

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	MN-	eP	09 47 45.5	SZ	999.9	9999.9	AVG.	4.43
30	09 52 32.8		57.8 N 152.2 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.10 CGS					
30	HW-	eL	10 08 35	LZ	22	983.2	37.9	
30	09 57 32.5		60.9 N 145.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.60 CGS					
30	NP-	eP	10 01 39.0	SZ	0.7	36.8	17.8	4.64
		eL	19 44	LZ	19	683.0		
30	MN-	eP	10 03 26.1	SZ	0.8	7.7	28.1	4.56
		ePCP	06 40	SZ	0.8	1.4		
30	RK-	eP	10 03 39.5	SZ	0.8	2.9	29.8	4.15
		eL	12 57	SR	1.9	53.6		
							AVG.	4.45
30	10 13 29.1		58.8 N 148.4 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.10 CGS					
30	10 15 51.7		60.4 N 146.6 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS					
30	LC-	eP	10 23 14.0	SZ	0.9	2.8	38.3	4.01
30	10 31 22.		60.5 N 149.6 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 4.40 CGS					
30	MN-	eP	10 37 26.0	SZ	0.7	2.4	29.6	4.10
30	10 35 42.*		60.4 N 146.9 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.80 CGS					
30	10 47 06.*		61.5 N 146.8 W PRINCE WILLIAM SOUND, ALASKA H= 35 KM MAG 4.30 CGS					
30	MN-	eP	10 53 05.5	SZ	0.8	2.4	29.1	4.01

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30			10 59 27.6	58.4 N 149.2 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.00 CGS				
30	NP=	eP	11 04 13.6	SZ	1.4	124.3	20.8	5.03
30	MN=	eP	11 05 21.0	SZ	0.7	2.0	28.3	4.01
		eL	18 55	LZ	20	486.7		
30	RK=	eP	11 05 56.1	SZ	0.7	18.6	32.2	5.08
		eL	16 57	LZ	20	1060.2		
30	LC=	eP	11 06 50.9	SZ	0.9	5.7	38.6	4.31
							AVG.	4.60
30			11 03 35.4	58.9 N 149.9 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.00 CGS				
30			11 05 47.4	60.4 N 146.8 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS				
30	MN=	eP	11 11 47.3	SZ	0.8	5.8	28.4	4.43
30	RK=	eP	11 12 02.0	SZ	0.7	2.4	30.7	4.20
30	LC=	eP	11 13 14.1	SZ			38.4	
30	DH=	eL	11 26 05	LZ	19	666.9	45.9	
30	JE=	eL	11 27 00	LZ	20	513.2	45.7	
							AVG.	4.31
30			11 24 57.4	58.2 N 150.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS				
30			11 35 18.8	61.5 N 147.9 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.40 CGS				
30	NP=	eP	11 39 24.1	SZ	0.8	30.8	17.7	4.51
30			11 48 40.4	56.4 N 152.5 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.20 CGS				
30	NP=	eP	11 53 47.7	SZ	0.5	12.4	23.3	4.66
		eS	58 08	ST	3.4	706.0		
		eL	58 09	LT	18	5712.8		
30	MN=	eP	11 54 41.0	SZ	1.0	12.2	29.0	4.65
		e	58 48	SZ	0.8	1.9		
		eL	12 03 25	LZ	18	3525.4		
30	RK=	eP	11 55 26.6	SZ	0.8	47.3	34.4	5.46

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	55 33	SZ	0.8	56.2		
30	LC=	eP	11 56 14.0	SZ	1.0	10.0	39.6	4.45
		eP	56 15	LZ	20	314.8		
		ePP	57 50	LZ	17	266.1		
		eS	12 02 11	LR	18	828.1		
		eSS	04 58	LR	18	115.3		
		eLQ	08 40	LR	19	459.3		
		eLR	10 35	LZ	18	2498.0		
30	JE=	eP	11 57 21.0	SZ	0.8	48.7	48.0	5.62
30	DH=	eP	11 57 33.2	SZ	0.9	14.5	49.8	4.92
30	HW=	eLQ	12 03 37	LR	17	2648.1	36.4	
		eLR	05 05	LZ	23	854.9		
							AVG.	4.96
30			11 52 13.9	60.1 N 146.4 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS				
30	RK=	eL	12 08 55	LZ	18.0	2732.2	30.5	
30	JE=	eL	12 17 31	LT	22	8553.1	45.4	
30			12 05 43.5	60.1 N 147.0 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.00 CGS				
30	NP=	eP	12 10 00.0	SZ	0.8	29.4	18.8	4.57
30	LC=	eP	12 13 05.0	SZ	0.8	12.6	38.3	4.73
							AVG.	4.65
30			12 14 28.4	58. N 151.6 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.00 CGS				
30	NP=	eP	12 19 17.8	SZ	0.7	13.5	21.6	4.43
		ePCP	23 17	SZ	0.7	13.5		
30	MN=	eP	12 20 30.1	SZ	0.7	6.5	29.2	4.52
30	RK=	eP	12 21 07.0	SZ	0.8	22.1	33.5	5.12
		ePP	22 30	SZ	1.7	83.3		
30	LC=	eP	12 22 00.6	SZ	1.0	20.1	39.7	4.76
		e	22 08	SZ	0.9	15.4		
		ePCP	24 06	SZ	0.7	1.8		
							AVG.	4.70
30			12 22 24.*	57.3 N 150.2 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.30 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	RK=	eP	12 28 57.0	SZ	0.8	5.9	32.9	4.55
30	12 38 16.		59.7 N 146.9 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 5.00 CGS					
30	NP=	eP	12 42 37.6	SZ	0.9	16.6	19.2	4.30
		e	46 10	SZ	2.0	71.0		
		e	46 43	ST	2.1	153.7		
30	MN=	eP	12 44 06.6	SZ	1.4	35.0	28.0	4.94
30	RK=	eP	12 44 30.0	SZ	1.3	48.0	30.8	5.19
30	LC=	eP	12 45 34.9	SZ	1.3	36.2	38.1	5.00
30	HW=	eL	12 57 01	LZ	25	612.1	40.2	
							AVG.	4.85
30	12 55 12.5		59.7 N 147.0 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 4.60 CGS					
30	NP=	eP	12 59 35.0	SZ	0.8	8.4	19.2	4.05
30	MN=	eP	13 01 03.5	SZ	0.8	3.8	28.1	4.22
		ePCP	04 12	SZ	0.8	1.4		
30	RK=	eP	13 01 26.6	SZ	0.7	7.4	30.9	4.66
30	LC=	eP	13 02 31.5	SZ	1.0	5.0	38.2	4.25
							AVG.	4.29
30	13 03 34.9		56.5 N 152.7 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.30 CGS					
30	NP=	eP	13 08 42.2	SZ	0.6	67.4	23.2	5.31
		eS	13 07	LT	18	11.6U		
		e	13 10	SZ	1.8	69.0		
		eLQ	15 38	LT	23	5094.8		
		eLR	20 30	LZ	22	10.0U		
30	MN=	eP	13 09 36.1	SZ	0.8	17.4	29.1	4.90
		eP	09 44	LZ	18	1410.1		
		eS	14 47	LR	17	2261.2		
		eL	18 15	LZ	19	3444.2		
		eL	19 03	SZ	15.0	12.1U		
30	RK=	eP	13 10 22.5	SZ	0.8	110.9	34.5	5.83
		e	10 28	SZ	0.8	94.6		
		eS	15 51	SR	2.3	163.1		
		eL	23 33	LZ	17	14.3U		
30	LC=	eP	13 11 08.0	SZ	0.8	19.3	39.7	4.83
		eP	11 08	LZ	18	590.7		
		e	11 37	SZ	1.1	17.0		
		ePP	12 50	LZ	18	780.6		
		e	13 01	SZ	1.4	11.9		
		eL	24 00	LZ	24	2523.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	26 32	SZ	17.8	13.0U		
30	DH=	eP	13 12 28.0	SZ	1.0	75.4	49.9	5.59
30	HW=	eS	13 16 15	LR	19	1375.7	36.5	
		eL	18 28	LR	16	8324.0		
30	JE=	eL	13 31 30	LR	20	16.6U	48.1	
							AVG.	5.29
30	13 18 24.*		56.8 N 152.5 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.10 CGS					
30	13 32 18.5		56.4 N 152.6 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.80 CGS					
30	NP=	eP	13 37 25.6	SZ	0.6	10.5	23.3	4.52
		e	37 30	SZ	0.8	72.9		
		e	41 50	ST	3.3	1153.4		
		eS	41 51	LT	16	11.9U		
		eL	48 10	LZ	21	2099.6		
30	MN=	eP	13 38 19.4	SZ	0.9	2.5	29.0	4.02
		ePP	39 12	SZ	1.3	14.1		
		e	40 34	ST	2.1	61.6		
		eL	46 50	LZ	22	2672.4		
30	RK=	eP	13 39 05.8	SZ	0.8	8.8	34.4	4.74
		e	39 09	SZ	0.8	34.0		
30	LC=	eP	13 39 54.0	SZ	1.2	27.0	39.6	4.79
		e	45 48	SZ	1.5	18.4		
		e	48 24	SZ	1.0	3.7		
		eL	52 45	LZ	20	214.6		
30	JE=	eP	13 41 01.6	SZ	1.0	41.1	48.1	5.46
30	DH=	eP	13 41 14.5	SZ	0.7	9.3	49.9	4.84
30	HW=	eL	13 47 05	LZ	15	4360.6	36.4	
							AVG.	4.72
30	13 41 02.*		60.5 N 146.6 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.20 CGS					
30	13 51 03.*		56.6 N 151.9 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
30	NP=	eP	13 56 11.1	SZ	0.8	8.4	23.0	4.26
30	13 58 20.*		60.2 N 145.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30			14 10 48.6 57.4 N 152.3 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 5.10 CGS					
30	NP-	eP	14 15 44.2	SZ	0.8	58.9	22.3	5.06
30	MN-	eP	14 16 50.0	SZ	0.8	16.9	29.3	4.87
		ePCP	19 56	SZ	0.6	3.0		
30	RK-	eP	14 17 30.9	SZ	0.6	10.4	34.0	4.91
		ePCP	20 07	SZ	0.6	5.2		
30	LC-	eP	14 18 21.2	SZ	1.0	37.6	39.8	5.04
		e	18 28	SZ	1.0	17.5		
		ePCP	20 25	SZ	0.8	4.4		
							AVG.	4.97
30			14 25 16. 60.4 N 147.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
30			14 53 17.* 60. N 146.8 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.10 CGS					
30	NP-	eP	14 57 36.0	SZ	0.8	2.8	18.9	3.56
30	RK-	eP	14 59 30.7	SZ	0.9	5.7	30.7	4.43
							AVG.	3.99
30	NP-	eP	15 01 26.5	SZ	0.8	18.2		
30			15 07 49.3 58.7 N 149.6 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.30 CGS					
30	NP-	eP	15 12 26.9	SZ	0.6	23.1	20.6	4.66
		eL	16 20	LZ	14	1978.5		
30	MN-	eP	15 13 46.1	SZ	0.8	11.1	28.6	4.69
		eL	22 30	LZ	19	1260.0		
30	LC-	eP	15 15 15.9	SZ	1.0	50.2	38.9	5.18
		e	15 22	SZ	1.1	37.2		
		ePCP	17 24	SZ	0.8	4.4		
		e	17 31	SZ	0.9	7.7		
		eL	29 25	LR	20	449.9		
30	DH-	eP	15 16 24.5	SZ	1.1	23.2	47.7	5.15
		ePCP	17 53	SZ	0.8	11.1		
		eL	33 50	LR	17	948.3		
30	RK-	eL	15 30 11	LZ	19	2297.7	32.3	
							AVG.	4.92
30	MN-	eP	15 10 15.6	SZ	0.7	1.6		
30	MN-	eP	15 16 55.9	SZ	0.7	13.8		
30	DH-	iP	15 30 37.9D	SZ	0.3	47.1	1.8	
		eS	31 02	ST	0.4	65.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30			15 46 13. 57.7 N 151.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
30	NP-	eP	15 51 03.9	SZ	0.6	3.1	21.9	3.88
30			15 53 51.4 57. N 152.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					
30	LC-	eP	16 07 08.0	SZ	0.9	6.7		
30	NP-	eP	16 09 17.1	SZ	0.7	7.3		
30			16 09 28.4 56.6 N 152.1 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.50 CGS					
30	NP-	iP	16 14 32.0C	SZ	1.5	298.5	23.0	5.55
		eP	14 35	LZ	19	3244.5		
		e	18 50	SZ	1.6	90.7		
		e	18 57	LZ	16	17.8U		
		eLQ	21 25	LT	24	10.4U		
		eLR	25 00	LZ	18	9137.3		
		eSCS	25 43	ST	2.0	262.4		
30	MN-	eP	16 15 26.7	SZ	0.6	12.9	28.8	4.89
		eP	15 28	LZ	20	1500.9		
		eS	20 24	LR	17	1169.5		
		eSCP	22 16	SZ	1.4	38.9		
		eL	23 25	LZ	15	7437.0		
		eSCS	26 11	ST	3.0	246.7		
		eL	27 20	SZ	14.0	10.1U		
30	RK-	eP	16 16 12.6	SZ	1.0	20.0	34.1	4.98
		eP	16 17	LZ	13	871.6		
		ePP	17 35	LZ	14	845.1		
30	HW-	eP	16 16 35	LZ	17	769.4	36.7	
		e	22 29	LZ	18	2157.0		
		eLQ	24 56	LR	14	7400.7		
		eLR	26 15	LZ	24	4218.1		
30	LC-	eP	16 16 58.6	SZ	1.8	191.4	39.4	5.49
		eP	16 59	LZ	19	629.7		
		ePP	18 35	LZ	16	982.2		
		eSCP	22 53	SZ	1.3	14.4		
		eS	23 05	LT	999 9	9999.9		
		eLQ	25 40	LT	999 9	9999.9		
		eLR	29 40	LZ	20	7904.5		
		eL	32 06	SZ	16.0	8348.8		
30	JE-	eP	16 18 07	LZ	15	1470.3	47.8	
		eS	25 05	LT	20	7083.3		
		eLQ	32 40	LT	23	4773.8		
		eLR	41 05	LZ	22	8652.5		
30	DH-	eP	16 18 18.6	SZ	1.0	28.3	49.5	5.19
		eP	18 20	LZ	13	956.7		
		eS	25 25	LR	23	2436.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSCS	28 09	LR	18.0	1427.6		
		e	29 25	LR	19	2909.1		
		eLQ	31 18	LR	18	1575.3		
		eLR	35 40	LZ	19	4446.1		
							AVG.	5.22
30	RK-	e	16 21 40	LZ	22	740.5		
30	RK-	eSCP	16 22 51	LZ	23	1170.5		
30	RK-	eL	16 25 50	LZ	24	2573.6		
30	16 32 07.2		57.3 N 152.0 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.30 CGS					
30	16 38 26.5		60.1 N 150.7 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.40 CGS					
30	NP-	e	16 42 04	SZ	0.6	10.5	19.5	
		e	42 09	SZ	0.7	25.7		
		e	43 48	SZ	1.0	31.7		
		eL	47 39	ST	1.9	72.9		
30	16 43 45.5		59.7 N 148.7 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.60 CGS					
30	LC-	eP	16 46 48.0	SZ	1.0	7.5		
30	16 53 07.7		56.6 N 152.2 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 5.00 CGS					
30	NP-	eP	16 58 13.3	SZ	1.3	210.6	23.1	5.48
		eS	17 02 24	ST	1.6	54.3		
		eS	02 35	LT	19	5445.0		
		e	02 46	ST	2.3	379.8		
		eL	05 30	LT	20	2972.3		
30	MN-	eP	16 59 08.1	SZ	1.0	13.0	28.9	4.69
		eL	17 07 35	LZ	19	2856.1		
30	RK-	eP	16 59 55.6	SZ	0.8	8.8	34.2	4.73
		eSCP	17 06 13	SZ	1.4	17.8		
30	LC-	eP	17 00 40.5	SZ	1.4	20.9	39.5	4.61
							AVG.	4.87
30	17 04 21.*		56.7 N 152.5 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	NP-	eP	17 09 24.8	SZ	0.6	4.2	23.0	4.08
30	RK-	eP	17 11 07.0	SZ	0.9	3.8	34.3	4.31
							AVG.	4.19
30	17 16 06.7		59.6 N 146.5 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.20 CGS					
30	NP-	eP	17 20 30.0	SZ	0.8	5.6	19.2	3.88
30	RK-	eP	17 22 18.6	SZ	0.6	6.2	30.6	4.63
							AVG.	4.25
30	17 22 06.2		60.7 N 145.5 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.60 CGS					
30	NP-	eP	17 26 15.5	SZ	0.5	3.5	18.0	3.77
30	RK-	eP	17 28 15.2	SZ	0.7	4.9	30.0	4.44
30	MN-	e	17 28 59	SZ	0.7	4.0	28.1	
30	LC-	eP	17 29 26.0	SZ	1.0	2.5	38.0	3.93
							AVG.	4.04
30	17 41 13.4		61.5 N 150.0 W PRINCE WILLIAM SOUND. ALASKA H= 40 KM MAG 4.30 CGS					
30	MN-	eP	17 47 23.4	SZ	0.7	8.1	30.3	4.64
30	DH-	e	18 11 25	LZ	13.0	2296.1		
30	DH-	e	18 19 30	LR	20	3126.8		
30	DH-	e	18 23 31	LR	19	2580.7		
30	DH-	eL	18 30 40	LR	28	2839.7		
30	18 37 36.8		60.4 N 146.0 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.80 CGS					
30	18 42 03.4		24.2 S 176.4 W TONGA ISLANDS REGION H= 33 KM MAG 4.60 CGS					
30	MN-	eP	18 54 27.6	SZ	1.0	6.5	82.8	4.70

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	LC=	eP	18 54 49.5	SZ	0.8	3.7	87.2	4.61
		eL	19 19 43	LZ	18	1561.2		
							AVG.	4.65
30	19 18 20.*		60.5 N 143.8 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.70 CGS					
30	NP=	eP	19 22 31.0	SZ	0.9	11.6	17.9	4.03
30	MN=	eP	19 24 07.0	SZ	0.9	4.3	27.3	4.19
30	RK=	eP	19 24 22.7	SZ	1.3	24.0	29.2	4.84
		eL	33 44	SR	2.1	88.4		
		eL	35 00	LZ	21	507.0		
							AVG.	4.35
30	19 21 49.*		55.1 N 168.6 W FOX ALEUTIAN ISLANDS					
			H= 30 KM MAG 4.20 CGS					
30	19 55 18.2		57.9 N 151.1 W PRINCE WILLIAM SOUND, ALASKA					
			H= 30 KM MAG 4.50 CGS					
30	LC=	eP	20 02 53.9	SZ	1.0	5.0	39.4	4.18
30	JE=	eL	20 01 32	LT	16.0	1435.3		
30	20 29 40.8		57.3 N 150.7 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.30 CGS					
30	NP=	eL	20 44 35	LT	13	3565.9	22.1	
30	20 32 46.8		59.4 N 145.1 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.50 CGS					
30	MN=	eP	20 38 31.4	SZ	1.3	17.2	27.1	4.60
		eL	48 02	LZ	16	567.1		
30	LC=	eP	20 39 59.4	SZ	1.0	7.5	37.2	4.41
		e	43 04	SZ	0.7	1.8		
							AVG.	4.50
30	NP=	eP	20 37 11.1	SZ	0.9	13.3		
30	RK=	eL	20 56 00	LZ	12	1519.9		
30	21 04 01.1		58.2 N 150.3 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 5.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	21 12 32.5		58.5 N 150.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.60 CGS					
30	21 32 14.9		59.9 N 147.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.50 CGS					
30	LC=	eP	21 39 36.6	SZ	1.1	6.2	38.5	4.28
30	RK=	eL	21 50 32	LZ	16	752.2	31.1	
30	JE=	eL	22 02 05	LZ	14.0	703.7		
30	NP=	eP	22 02 12.1	SZ	0.8	11.2		
30	22 05 03.9		60.2 N 145.5 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.40 CGS					
30	RK=	eL	22 23 17	LZ	16.0	1379.0	30.0	
30	JE=	eL	22 29 35	LT	19	1700.6	45.0	
30	22 21 25.2		60.3 N 146.9 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.70 CGS					
30	NP=	eP	22 25 42.6	SZ	0.6	15.8	18.6	4.40
30	RK=	eP	22 27 40.4	SZ	0.6	6.2	30.7	4.66
							AVG.	4.53
30	22 37 14.4		58.4 N 149.8 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.60 CGS					
30	NP=	e	22 41 39	SZ	0.9	56.6	20.9	
30	RK=	eP	22 43 43.1	SZ	0.8	23.6	32.5	5.12
30	23 03 34.5		57.3 N 152.7 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 5.00 CGS					
30	NP=	eP	23 08 34.9	SZ	0.7	49.0	22.5	5.07
		e	12 26	SZ	0.9	8.3		
		e	16 32	SZ	0.7	4.9		
30	MN=	eP	23 09 38.6	SZ	0.8	8.2	29.4	4.58
		eL	18 39	LZ	17	660.2		
30	RK=	eP	23 10 19.9	SZ	0.6	17.7	34.3	5.16
		e	13 54	SZ	0.7	4.9		
30	LC=	eP	23 11 10.0	SZ	1.0	27.6	40.0	4.88
		e	11 15	SZ	0.9	7.7		
		e	11 37	SZ	1.0	7.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	24 00	LZ	22.0	256.4		
30	DH-	eP	23 12 25.7	SZ	0.8	16.7	49.6	5.05
30	JE-	eL	23 31 30	LZ	19	318.8	48.2	
							AVG.	4.94
30	23 33 31.6		56.1 N 153.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
30	LC-	eP	23 34 16.6	SZ	0.9	5.7		
30	23 36 56.		59.9 N 145.8 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 4.80 CGS					
30	23 51 46.		59.6 N 147.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.60 CGS					
30	NP-	eP	23 56 10.5	SZ	1.4	89.8	19.4	4.84
30	MN-	eP	23 57 42.0	SZ	1.0	17.9	28.2	4.79
30	RK-	eP	23 58 02.5	SZ	0.8	19.2	31.1	5.01
		e	58 08	SZ	0.8	20.7		
		e	58 16	SZ	0.9	32.6		
30	LC-	eP	23 59 12.4	SZ	1.2	19.3	38.3	4.75
							AVG.	4.84
31	00 14 11.7		45.3 N 151.0 E KURILE ISLANDS H= 60 KM MAG 5.30 CGS					
31	NP-	eP	00 22 33.0	SZ	2.6	442.8	46.5	5.93
		eL	34 00	LZ	25	817.2		
31	MN-	eP	00 24 43.6	SZ	1.3	15.7	64.5	4.90
		e	24 52	SZ	1.3	40.8		
		eS	33 26	LR	23	1226.2		
31	RK-	eP	00 25 11.5	SZ	0.9	30.7	69.1	5.29
31	HW-	e	00 25 34	LZ	17	769.4	50.4	
		eS	30 28	LT	18	5464.4		
		eLQ	35 07	LR	27	5645.3		
		eLR	37 18	LZ	26	7716.7		
31	LC-	eP	00 25 51.5	SZ	1.0	8.8	75.5	4.65
		eS	35 29	LR	23	2323		
		eLR	46 25	LZ	24	925.2		
31	DH-	eP	00 26 35.0	SZ	0.8	22.3	83.7	5.27
		eS	36 50	LR	25	1661.6		
		eSSS	45 55	LZ	23	554.6		
31	JE-	e	00 36 57	LR	19	3182.8	84.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	47 12	LZ	26.0	1300.2		
		eL	57 00	LT	25	4348.6		
							AVG.	5.20
31	JE-	e	00 16 00	LR	22	812.2		
31	NP-	eP	00 16 23.2	SZ	0.9	8.3		
31	JE-	e	00 17 41	LR	20	2608.2		
31	JE-	e	00 21 32	LZ	18	2063.1		
31	MN-	eP	00 21 57.5	SZ	1.3	7.8		
31	NP-	eP	00 22 07.2	SZ	0.8	2.8		
31	NP-	eP	00 42 56.5	SZ	0.5	1.7		
31	NP-	e	00 44 03	SZ	0.5	1.7		
31	00 44 53.*		59.5 N 146.3 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.50 CGS					
31	NP-	eP	00 49 19.0	SZ	1.0	5.5	19.3	3.76
		e	49 33	SZ	1.1	48.2		
31	MN-	eP	00 50 41.9	SZ	0.7	2.0	27.7	4.00
31	RK-	eP	00 51 19.2	SZ	1.1	15.4	30.5	4.77
31	LC-	eP	00 52 12.0	SZ	0.9	1.9	37.8	3.87
		e	52 18	SZ	1.2	19.4		
31	JE-	eLR	01 06 38	LZ	20	3336.3	45.2	
							AVG.	4.10
31	NP-	eP	01 19 26.0	SZ	0.8	2.8		
31	NP-	e	01 19 58	SZ	0.8	11.2		
31	NP-	e	01 21 51	SZ	0.7	3.6		
31	LC-	eP	01 24 35.5	SZ	0.7	1.8		
31	MN-	iP	01 27 32.5C	SZ	999.9	9999.9	.5	
		eS	27 40	SR	999.9	9999.9		
31	NP-	eP	01 45 09.5	SZ	1.5	16.5		
31	MN-	eP	01 46 44.3	SZ	1.1	5.0		
31	RK-	eP	01 47 03.2	SZ	1.0	15.0		
31	NP-	e	01 47 43	SZ	1.0	13.0		
31	LC-	eP	01 48 12.1	SZ	0.7	2.5		
31	LC-	eP	01 50 18.0	SZ	0.8	1.4		
31	NP-	eP	02 02 46.5	SZ	0.8	5.6		
31	MN-	eP	02 03 48.4	SZ	1.0	8.1		
31	RK-	eP	02 04 28.0	SZ	1.1	21.6		
31	LC-	eP	02 05 19.6	SZ	1.1	9.3		
31	MN-	e	02 07 00	SZ	1.0	1.6		
31	MN-	eL	02 07 20	LZ	16	559.4		
31	02 11 07.1		43.6 N 126.6 W OFF COAST OF OREGON H= 33 KM MAG 4.50 CGS					
31	NP-	eP	02 17 39.0	SZ	0.8	2.8	32.9	4.21
		ePCP	20 38	SZ	0.8	2.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	25 06	SZ	0.7	6.1		
31	MN-	e	02 13 05	SZ	0.8	1.9		
31	MN-	e	02 13 54	ST	1.6	13.8		
31	NP-	eP	02 15 32.0	SZ	0.9	16.6		
31	DH-	eL	02 24 43	LT	18	589.6		
31	NP-	e	02 27 03	SZ	0.6	2.1		
31	NP-	eP	02 48 45.0	SZ	0.9	59.9		
31	MN-	eP	02 49 43.5	SZ	0.9	6.2		
31	NP-	e	02 49 55	SZ	0.7	54.0		
31	RK-	eP	02 50 46.5	SZ	1.0	10.0		
31	LC-	eP	02 51 15.1	SZ	0.9	9.7		
31	MN-	e	02 51 32	SZ	0.7	5.2		
31	MN-	e	02 51 35	SZ	0.8	10.6		
31	RK-	e	02 51 55	SZ	0.6	4.1		
31	LC-	e	02 53 00	SZ	1.1	9.3		
31	MN-	eL	02 58 46	LR	21	643.9		
31	LC-	eL	03 04 10	LZ	23	417.7		
31	NP-	eP	03 45 13.5	SZ	0.6	3.1		
31	NP-	eP	04 09 25.5	SZ	0.6	5.2		
31	NP-	e	04 16 44	SZ	0.5	3.5		
31	NP-	eP	04 24 34.7	SZ	0.7	33.1		
31	MN-	eP	04 26 11.0	SZ	1.0	13.0		
31	RK-	eP	04 26 30.5	SZ	1.2	34.6		
31	LC-	eP	04 27 40.0	SZ	1.0	15.1		
31	MN-	e	04 29 24	SZ	0.9	3.1		
31	RK-	e	04 29 28	SZ	0.8	8.8		
31	NP-	e	04 30 45	SZ	2.5	89.2		
31	RK-	e	04 32 00	LZ	25	353.1		
31	NP-	e	04 32 50	SZ	0.5	1.7		
31	LC-	e	04 33 35	LR	16	130.1		
31	MN-	eL	04 34 25	LR	25	521.3		
31	RK-	eL	04 34 40	LR	45	1958.8		
31	RK-	eLR	04 38 40	LZ	18	1593.8		
31	LC-	eL	04 38 40	LZ	29	339.3		
31	HW-	eL	04 39 22	LZ	22	769.4		
31	JE-	eL	04 43 46	LT	30	1510.7		
31	NP-	e	04 48 17	SZ	1.0	7.4		
31	NP-	eP	04 48 17.0	SZ	0.7	4.9		
31	NP-	eP	04 50 57.6	SZ	0.7	24.5		
31	MN-	eP	04 52 02.5	SZ	1.1	5.0		
31	RK-	eP	04 52 42.5	SZ	1.0	20.0		
31	MN-	e	04 53 12	SZ	1.2	7.5		
31	LC-	eP	04 53 34.1	SZ	1.0	3.7		
31	NP-	e	04 54 05	SZ	0.6	4.2		
31	MN-	e	04 55 46	SZ	0.8	5.3		
31	LC-	e	04 57 05	SZ	1.0	3.7		
31	LC-	eL	05 03 11	LR	23	169.9		
31	DH-	eL	05 10 55	LR	20	413.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	05 42 22.4		56.2 N 153.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
31	NP-	eP	05 47 30.6	SZ	1.0	9.3		
31	MN-	eP	06 10 50.5	SZ	0.3	.8	3.0	
		eS	11 28	ST	0.6	4.0		
31	NP-	eP	06 33 23.5	SZ	1.0	16.7		
31	RK-	e	07 08 25	LR	20	166.2		
31	RK-	e	07 11 05	LR	20	249.4		
31	NP-	eP	07 13 39.0	SZ	0.5	22.2		
31	RK-	e	07 14 20	LR	20	145.5		
31	MN-	eP	07 14 47.8	SZ	1.0	4.0		
31	07 15 10.6		59.8 N 148.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
31	NP-	eP	07 19 34.0	SZ	1.0	9.3	19.3	4.00
31	MN-	eL	07 23 20	LZ	21.0	307.8		
31	RK-	eL	07 24 05	LR	30	1173.6		
31	LC-	eL	07 25 34	LR	26	165.9		
31	MN-	eP	07 57 31.5	SZ	1.0	2.4		
31	LC-	eP	07 59 17.1	SZ	0.8	2.2		
31	08 40 52.2		59.8 N 148.6 W PRINCE WILLIAM SOUND, ALASKA H= 36 KM MAG 4.70 CGS					
31	NP-	eP	08 45 16.0	SZ	1.0	33.5	19.4	4.56
31	RK-	eP	08 47 11.5	SZ	0.8	8.8	31.6	4.67
		ePCP	50 04	SZ	0.6	4.1		
		eLQ	56 50	LR	20	789.8		
		eLR	59 20	LZ	16	1065.6		
31	LC-	eP	08 48 17.1	SZ	0.8	3.7	38.9	4.18
		e	54 32	LR	20	61.4		
31	MN-	eL	08 54 10	LR	28	710.4	28.8	
							AVG.	4.47
31	NP-	eP	08 44 52.8	SZ	0.5	2.6		
31	09 01 30.2		50.8 N 130.2 W VANCOUVER ISLAND REGION H= 15 KM MAG 6.00 CGS					
31	MN-	eP	09 05 04.0	SZ	1.2	238.8	15.0	5.55
		eP	05 05	LZ	999 9	9999.9		
		e	07 11	LZ	19	3146.7		
		eL	08 10	SZ	2.6	498.1		
		eL	08 10	LZ	999 9	9999.9		
31	RK-	eP	09 06 32.5	SZ	1.0	15.0	22.9	4.44

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		.....	.....	.....	.....	.....		
		eP	06 35	LZ	15.0	1771.1		
		e	06 35	SZ	0.6	48.1		
		eS	10 44	SR	3.0	813.2		
		eS	10 45	LR	999 9	9999.9		
		eL	13 23	ST	2.5	1544.2		
31	LC-	eP	09 06 57	LZ	18	1951.6	25.3	
		eP	06 57.6	SZ	1.2	296.0		5.83
		e	08 33	SZ	2.0	197.7		
		eS	11 35	LR	999 9	9999.9		
		e	11 50	ST	4.6	849.5		
		eL	12 51	ST	6.6	2812.4		
		eL	13 00	LZ	999 9	9999.9		
31	NP-	eP	09 07 03.0	SZ	1.8	462.9	25.9	5.80
		eP	07 05	LZ	15	1535.4		
		eS	11 35	LT	18	8641.5		
		eLQ	13 05	LT	35	9999.9		
		eLR	14 45	LZ	30	9999.9		
		eL	15 35	SZ	6.0	16.4U		
31	JE-	eP	09 08 16.1	SZ	1.4	520.8	33.9	6.26
		eP	08 17	LZ	17	1372.4		
		e	08 22	SZ	1.2	224.3		
		ePP	09 30	LZ	20	1129.2		
		eS	13 43	LR	27	17.8U		
		eS	13 43	LT	20	8454.9		
		eL	19 40	SR	5.8	10.4U		
		eL	21 34	LZ	999 9	9999.9U		
31	HW-	eP	09 08 48	LZ	16	953.4	36.8	
		ePP	10 03	LZ	17	1118.2		
		eS	14 44	LT	22	3836.4		
		eSS	16 35	LT	20	9418.2		
		eL	18 13	LZ	18	9999.9		
31	DH-	eP	09 08 50.6	SZ	0.6	11.8	38.2	4.81
		eP	08 51	LZ	18	1599.3		
		ePP	10 24	SZ	1.4	112.5		
		eS	14 49	LR	21	3188.8		
		eS	14 49	LT	15	2798.9		
		eL	17 00	LR	18	3563.7		
		eL	19 36	SR	3.4	1202.8		
							AVG.	5.44

31 09 33 11.5 36.3 N 28.8 E NEAR COAST OF TURKEY
H= 57 KM MAG 4.70 CGS

31	NP-	eP	09 57 26.7	SZ	0.8	4.2		
31	RK-	eP	09 59 20.0	SZ	0.8	8.8		
31	NP-	eP	11 07 12.2	SZ	0.7	9.8		
31	NP-	e	11 08 14	SZ	1.0	57.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		.....	.....	.....	.....	.....		
31	MN-	eP	11 09 34.2	SZ	0.9	12.5		
31	RK-	eP	11 10 05.7	SZ	0.9	53.8		
31	LC-	eP	11 11 04.1	SZ	1.0	35.4		
31	LC-	e	11 13 12	SZ	0.8	4.4		
31	MN-	eL	11 17 55	LZ	20	733.5		

31 11 18 13.2 57. N 152.9 W PRINCE WILLIAM SOUND. ALASKA
H= 20 KM MAG 4.50 CGS

31	NP-	eP	11 23 16.5	SZ	1.1	41.7	22.8	4.82
		eP	23 17.0	SZ	0.9	33.3		4.81
31	MN-	eP	11 24 17.0	SZ	0.9	3.1	29.4	4.11
31	RK-	eP	11 25 00.0	SZ	1.0	7.5	34.4	4.56
		e	25 33	SZ	1.0	37.5		
		eSCP	31 28.0	SZ	0.6	16.7		
		eLQ	34 20	LR	25	329.5		
		eLR	38 10	LZ	15	2701.7		
31	LC-	eP	11 25 49.0	SZ	0.8	2.2	40.0	3.89
		e	26 39	SZ	1.1	9.3		
		e	32 23	SZ	0.9	2.9		
							AVG.	4.43

31 11 19 18.* 60. N 146.5 W PRINCE WILLIAM SOUND. ALASKA
H= 15 KM MAG 4.90 CGS

31	MN-	eP	11 25 11.0	SZ	0.9	4.3	28.1	4.26
		eL	34 30	LZ	16	586.1		
31	LC-	eL	11 40 55	LZ	18	226.3	38.1	
31	DH-	eLQ	11 41 24	LR	27	557.6	45.8	
		eLR	46 06	LZ	14	1611.9		
		eL	47 29	LR	16	1142.8		
		eL	47 29	LT	17	883.5		
		eL	47 29	LZ	16	2079.3		

31	LC-	eL	11 23 05	LZ	17.0	142.0		
31	MN-	e	11 25 46	SZ	1.0	6.5		
31	DH-	eL	11 27 35	LR	20	291.6		
31	NP-	e	11 29 44	SZ	0.5	15.1		
31	MN-	e	11 30 53	SZ	0.8	2.9		
31	NP-	e	11 39 35	SZ	4.0	455.8		

31 11 53 14.4 56.5 N 152.3 W PRINCE WILLIAM SOUND. ALASKA
H= 25 KM MAG 4.80 CGS

31	NP-	eP	11 58 15	LZ	25	1634.4	23.2	
		e	12 02 55	LZ	17	7669.4		
31	MN-	eP	11 59 13.0	SZ	1.0	8.1	28.9	4.46
		e	59 43	SZ	0.9	10.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePCP	12 02 27	SZ	0.8	1.9		
		eS	04 21	LR	15	1083.0		
		eLR	07 39	LZ	25	3946.4		
31	RK-	eP	12 00 00.0	SZ	0.6	7.3	34.3	4.77
		eS	05 30	LR	18	1309.6		
		eL	10 20	LR	16	6182.4		
31	LC-	eP	12 00 45.0	SZ	1.1	9.3	39.5	4.39
		e	01 20	SZ	1.2	23.3		
		ePP	02 31	LZ	18	1334.8		
		e	06 20	LR	17	523.5		
		eLR	13 35	LZ	25	1353.0		
31	DH-	eP	12 02 11.0	SZ	0.8	16.7	49.7	5.04
		eS	09 15	LR	24	1374.8		
		eLQ	16 25	LR	21	951.9		
		eLR	20 05	LZ	16	2859.0		
31	HW-	ePCP	12 02 18	LZ	15	707.8	36.6	
		eS	06 02	LR	16	959.0		
		eSS	08 46	LR	15	2997.1		
		eL	10 12	LZ	25	2011.5		
							AVG.	4.66
31	NP-	eP	11 56 33.0	SZ	1.0	7.4		
31	NP-	e	11 57 42	SZ	1.0	52.2		
31	MN-	eP	11 58 10.8	SZ	0.8	1.9		
31	RK-	eP	11 58 27.5	SZ	1.0	5.0		
31	MN-	e	11 59 15	LZ	18	865.2		
31	RK-	e	11 59 21	SZ	0.6	2.0		
31	12 30 35.7		58.4 N 150.9 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 3.80 CGS					
31	NP-	eP	12 35 22.8	SZ	1.0	63.4	21.1	4.91
31	12 40 32.*		59.6 N 148.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
31	12 53 43.6		56.7 N 152.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
31	NP-	eP	12 58 48.0	SZ	0.6	8.4	23.0	4.38
31	MN-	eL	13 08 14	LZ	14	862.0	28.9	
31	DH-	eL	13 21 45	LR	22	659.1	49.6	
31	NP-	eP	13 08 43.0	SZ	0.9	8.3		
31	NP-	eP	13 10 20.0	SZ	1.0	7.4		
31	NP-	e	13 12 05	SZ	1.0	9.3		
31	NP-	eP	13 27 15.0	SZ	0.5	1.7		
31	NP-	e	13 27 18	SZ	1.0	18.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	NP-	eP	15 09 16.2	SZ	0.7	6.1		
31	MN-	iP	15 11 28.4C	SZ	0.3	16.0	.6	
		eS	11 37	SR	0.4	13.6		
31	15 20 28.9		22.8 S 66.8 W JUJUY PROVINCE, ARGENTINA H=219 KM MAG 4.50 CGS					
31	MN-	eP	15 32 03.5	SZ	1.0	4.9	77.6	4.19
31	NP-	e	15 40 35	SZ	0.9	9.9		
31	NP-	eP	15 40 38.0	SZ	0.7	2.4		
31	NP-	eP	15 58 52.1	SZ	1.0	16.7		
31	DH-	eP	16 21 21.9	SZ	0.3	20.2	1.7	
		eS	21 45	ST	0.3	36.2		
31	NP-	eP	16 34 32.3	SZ	1.0	14.9		
31	NP-	eP	16 37 04.5	SZ	1.0	44.7		
31	NP-	e	16 48 11	SZ	0.8	12.6		
31	LC-	eL	16 49 55	LZ	25	78.3		
31	RK-	eP	16 50 07.3	SZ	0.6	3.1		
31	LC-	eP	16 51 10.5	SZ	1.0	5.0		
31	NP-	eP	16 54 28.8	SZ	0.9	6.6		
31	MN-	eL	16 58 00	LZ	20	398.2		
31	17 04 39.		17.7 S 178.8 W FIJI ISLANDS H=540 KM MAG 4.40 CGS					
31	MN-	eP	17 15 52.0	SZ	0.8	8.2	79.6	4.21
		epP	17 50	SZ	1.3	14.1		
31	LC-	eP	17 16 20.1	SZ	0.9	2.9	85.1	3.92
							AVG.	4.06
31	NP-	eP	17 55 24.0	SZ	0.5	1.7		
31	NP-	eP	17 59 15.0	SZ	0.5	1.7		
31	18 20 33.*		57.1 N 150.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
31	18 30 21.*		58.5 N 150.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
31	21 20 38.2		56.3 N 152.7 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31			22 50 36.*					

56.8 N 152.2 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 3.90 CGS

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Bulletin No. 28
April 1964

SEISMOLOGICAL BULLETIN
LONG-RANGE SEISMIC MEASUREMENTS PROGRAM

THE GEOTECHNICAL CORPORATION
3401 SHILOH ROAD
GARLAND, TEXAS

GEOTECH

There were errors in the seismograph parameters listed in the May and June 1964 bulletins (page iv). The data shown in red on the opposite side of this sheet are the corrected data for these months.

3. SEISMOGRAPHS

In this section are listed the operating parameters of the seismographs at each observatory. The response curves for WMSO are shown on page vi; the response curves for TFSO are shown on page vii; and the response curves for BMSO, CPSO, and UBSO are shown on page viii.

3.1 WMSO

	T_s	λ_s	T'_g	λ_g	σ^2
SP Vertical Johnson-Matheson	1.25	0.51	0.33	0.65	0.03-0.04
SP Horizontal Johnson-Matheson	1.25	0.51	0.33	0.65	0.03-0.04
UA SP Vertical Benioff	1.0	0.5	0.0625		
F SP Summation[a]					
IB Vertical Melton	1.6	0.70	0.2	3.0	0.002
IB Horizontal Geotech	1.6	0.70	0.2	3.0	0.0005
BB Vertical Press-Ewing	12.5	0.4	0.64	9.0	0.0002
BB Horizontal Sprengnether	12.5	0.4	0.64	9.0	0.0004
LP Vertical Geotech	20.0	0.74	30	1.0	0.175
LP Horizontal Geotech	20.0	0.74	100	1.0	0.175

3.2 TFSO

SP Vertical Johnson-Matheson	1.25	0.54	0.33	0.61	0.09[b]
SP Horizontal Johnson-Matheson	1.25	0.54	0.33	0.61	0.09[b]
SP Vertical and Horizontal Benioff	1.0	1.0	0.2	1.0	0.079[b]
UA SP Vertical and Horizontal Benioff	1.0	1.0	0.75	1.0	0.021[b]
IB Vertical Melton	2.5	0.65	0.64	1.5	0.003[b]
IB Horizontal Lehner-Griffith	2.5	0.65	0.64	1.5	0.002[b]
BB Vertical Press-Ewing	12.5	0.45	0.64	9.0	0.00001[b]
BB Horizontal Press-Ewing	12.5	0.45	0.64	9.0	0.00001[b]
LP Vertical Geotech	20.0	1.0	100.0	1.0	0.131[b]
LP Horizontal Geotech	20.0	1.0	100.0	1.0	0.131[b]

[a] Filter settings

Observatory	High cutoff	Low cutoff
WMSO	3.0 cps 6 db/oct	0.8 cps 12 db/oct
BMSO	3.0 cps 12 db/oct	0.8 cps 12 db/oct
CPSO	3.0 cps 24 db/oct	1.0 cps 24 db/oct
UBSO	3.0 cps 12 db/oct	0.8 cps 12 db/oct

[b] All adjustable attenuators at zero db.

NOTICE

A new numbering system is in effect for the LRSM Seismological Bulletins. Please renumber the bulletins listed below:

Bulletin	Change to
Bulletin No. 1, August 1963	No. 20-A
Bulletin No. 2, September 1963	No. 21-A
Bulletin No. 3, October 1963	No. 22-A
Bulletin No. 4, November 1963	No. 23-A
Bulletin No. 5, December 1963	No. 24-A
Bulletin No. 6, January 1964	No. 25-A
Bulletin No. 7, February 1964	No. 26-A

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. 28
April 1964

December 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 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. Three-component long-period seismograph systems are also in operation at HW-IS and NP-NT.

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 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

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

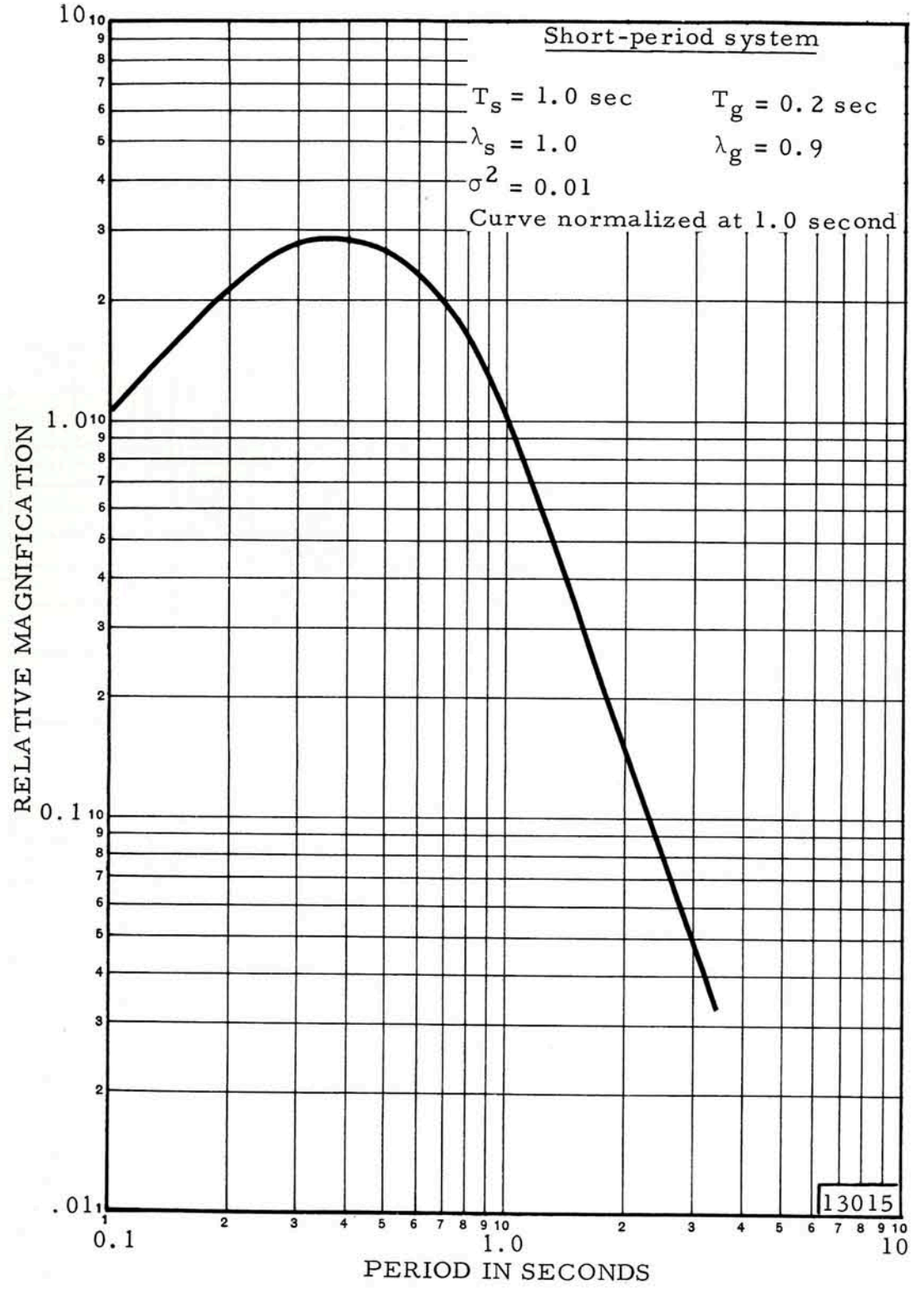


Figure 1. Frequency response of the Benioff short-period seismograph system

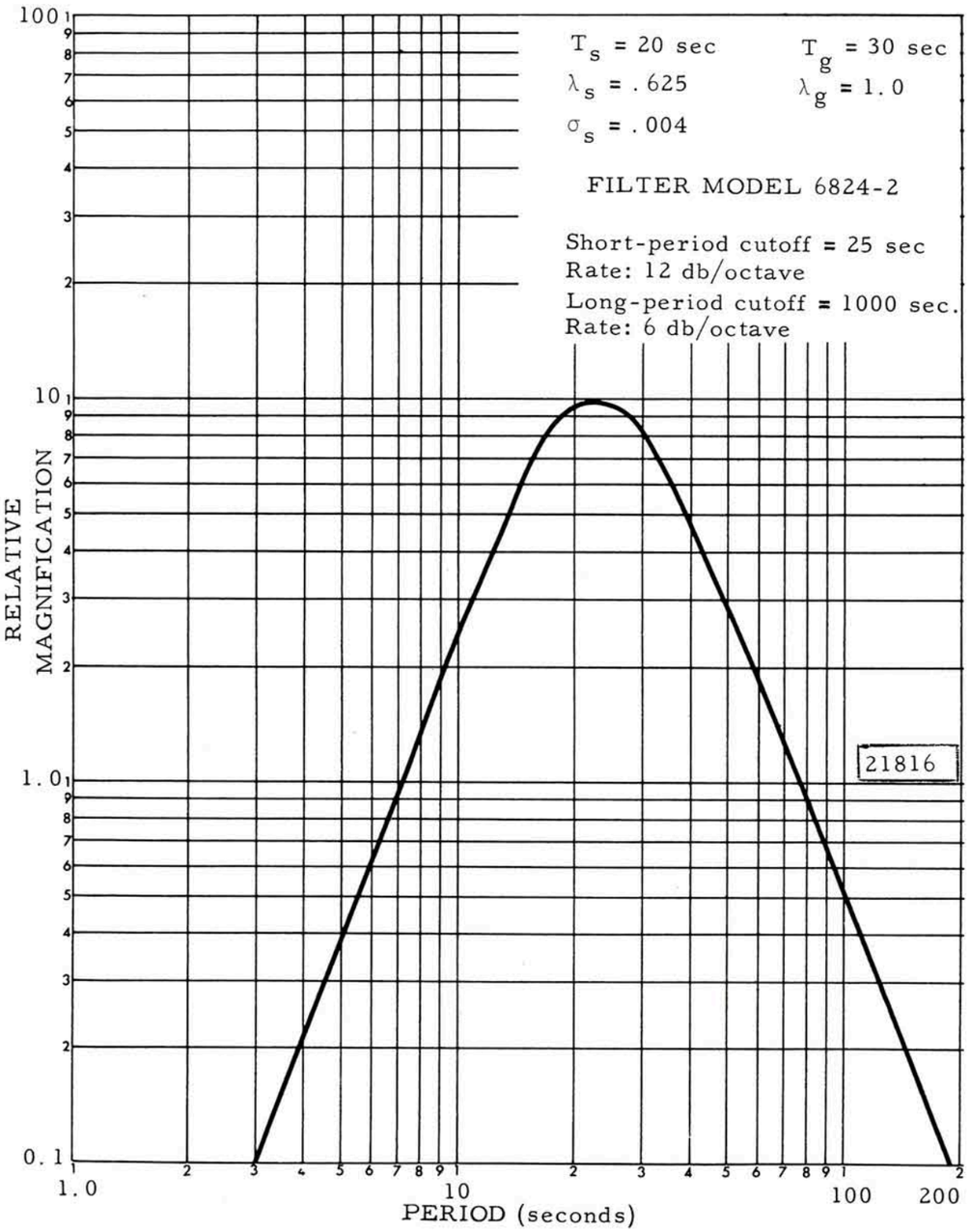


Figure 2. Frequency response of the Sprengnether long-period seismograph system

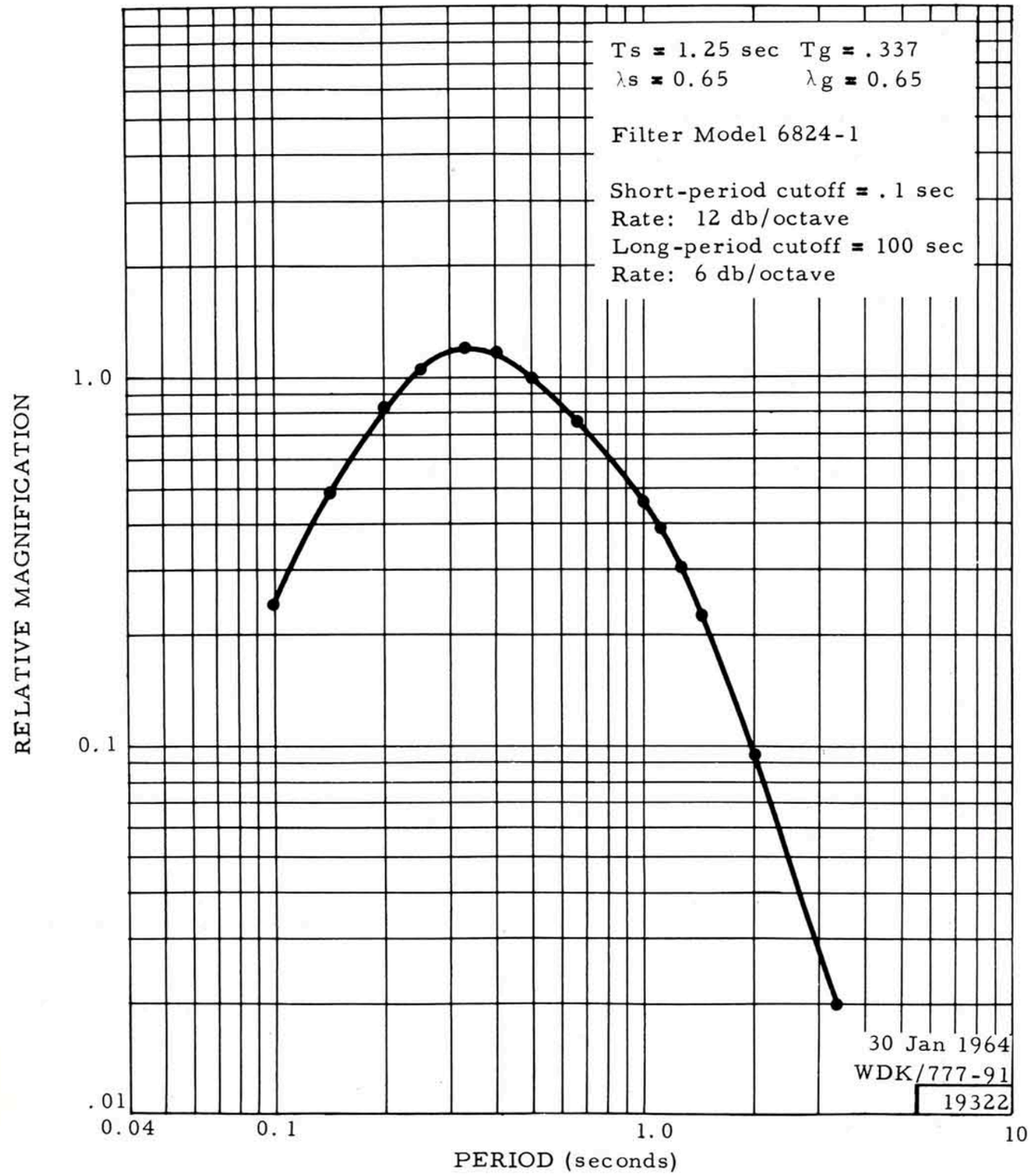


Figure 3. Frequency response of the Johnson-Matheson seismograph system

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 (GCT).

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 designator	Site location
MN-	Mina, Nevada
LC-	Las Cruces, New Mexico
DH-	Delhi, New York
RK-	Red Lake, Ontario
JE-	Jena, 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.

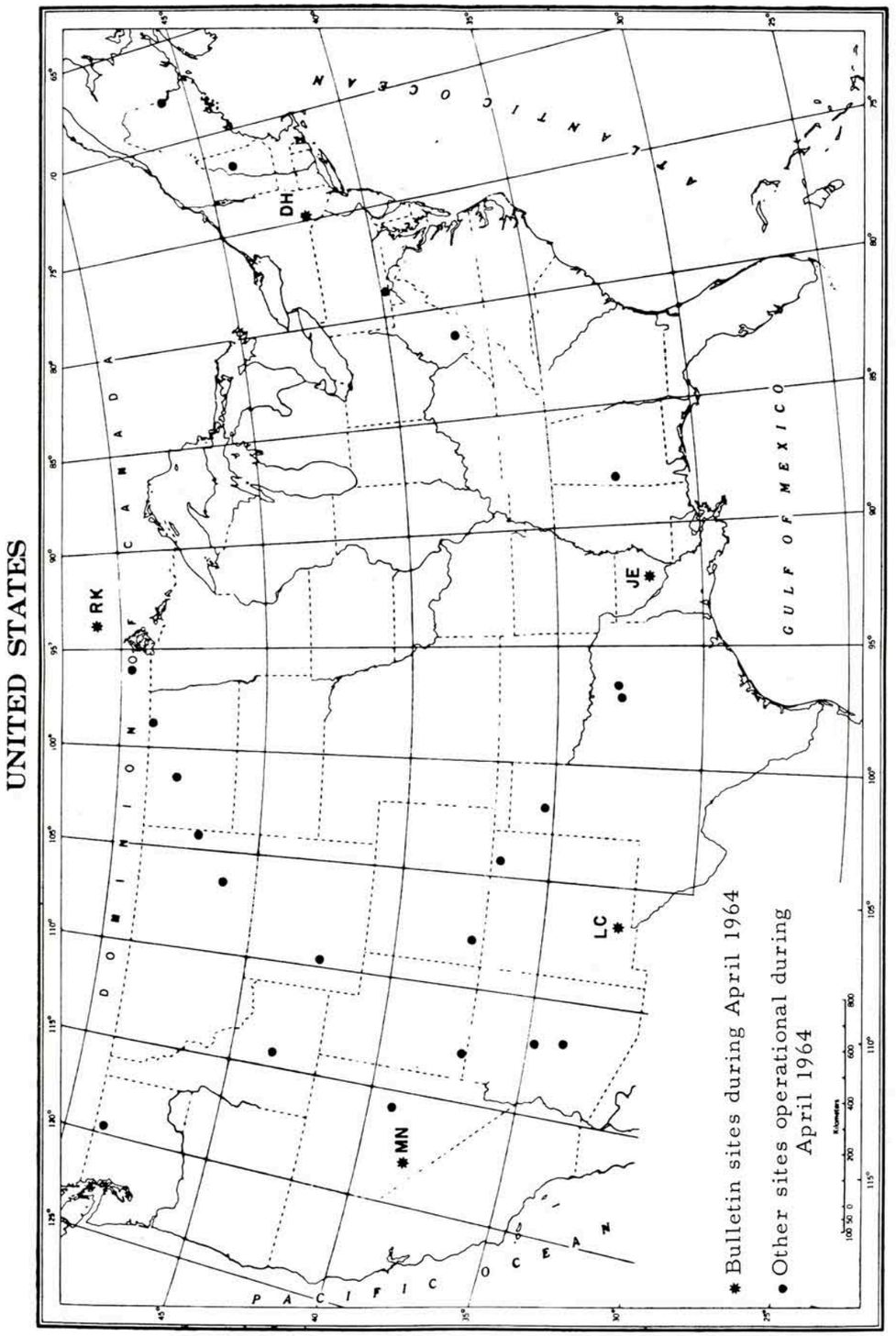


Figure 4. LRSM sites inside the continental United States and Canada during April 1964

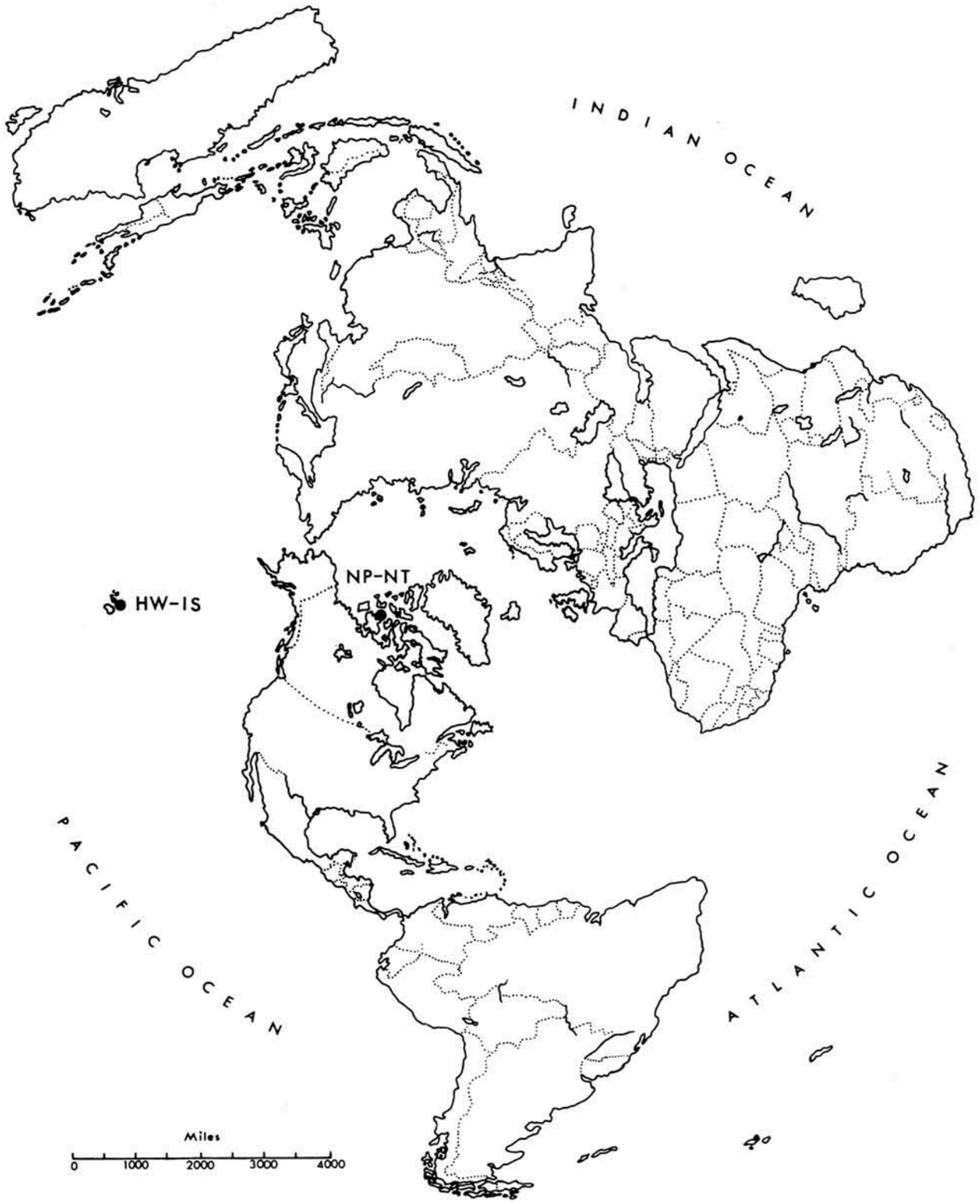


Figure 5. LRSM bulletin sites outside the continental United States during April 1964

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 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.

3.5 INST

The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

SZ	Short-period vertical
SR[1]	Short-period radial (horizontal)
ST[1]	Short-period transverse (horizontal)
LZ	Long-period vertical
LR[1]	Long-period radial (horizontal)
LT[1]	Long-period transverse (horizontal)

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) or microns (μ) of ground displacement. All amplitudes are given in tenths of units. All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. If the amplitude is reported in microns, a U appears in the column to the right of the tenths column. The column is left blank if the amplitude is reported in millimicrons. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 999.9 appearing in the amplitude columns indicate either a "clipped" signal or a trace

[1]Table 1 gives the instrument orientation of the horizontal seismometers.

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. The distance is given to the nearest one-tenth of a 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[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°.

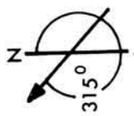
Magnitude computations for distances less than 16° are based on AFTAC extensions of the Q tables. Points from 10° to 16° were read from a curve in the Gutenberg-Richter paper, and an inverse cube relationship was used to extrapolate from 2° to 10°.

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

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

Table 1. Bulletin site information

Site designation	Site location	Radial orientation (azimuth from true north in degrees[1])	Trans-verse	Site coordinates in deg, min, sec				Elevation in km	Rock type
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		
HW-IS	Hawaii Island	235	325	N	19	58	49	0.71	Basalt
				W	155	42	20		
JE-LA	Jena, Louisiana	112	202	N	31	47	05	0.05	Sandstone
				W	92	00	55		
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		
MN-NV	Mina, Nevada	308	038	N	38	26	10	1.52	Limestone
				W	118	08	53		



[1]When earth moves in direction shown, trace moves up.

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 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		00 01 10.6	60.4 N 146.4 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 4.90 CGS					
1	JE-	eL	00 25 47	LR	21.0	2463.0	45.5	
1	MN-	eP	00 10 18.5	SZ	0.9	5.1		
1		00 36 32.*	58.3 N 150.4 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.30 CGS					
1	NP-	eP	00 41 18.1	SZ	0.6	16.1	21.1	4.54
1	NP-	eP	00 54 23.0	SZ	0.9	5.1		
1		01 12 17.*	60.3 N 145.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
1		01 21 05.*	60.6 N 149.2 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.60 CGS					
1	NP-	eP	01 25 23.0	SZ	0.8	10.0	18.8	4.10
1	MN-	eP	01 27 10.0	SZ	0.8	2.9	29.5	4.13
							AVG.	4.11
1		01 54 09.3	59.7 N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.30 CGS					
1	NP-	eP	01 58 35.5	SZ	0.8	7.1	19.1	3.97
1	LC-	eP	02 01 26.0	SZ	1.2	5.8	37.8	4.22
							AVG.	4.09
1		02 14 09.*	59.5 N 146.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
1	NP-	eP	02 18 32.0	SZ	0.8	5.7	19.3	3.89
1		03 05 49.9	60.1 N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS					
1	NP-	eP	03 10 09.8	SZ	1.0	17.1	18.7	4.22

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	13 42	SR	3.0	365.2		
1	MN-	eP	03 11 42.3	SZ	0.7	1.2	28.0	3.82
		eLQ	18 45	LT	23	558.3		
		eLR	20 00	LZ	20	831.7		
1	LC-	eP	03 13 09.0	SZ	1.1	4.6	37.9	4.16
		ePCS	19 05	LR	16	200.9		
		eLQ	24 00	LT	26	210.6		
		eLR	26 35	LZ	23	447.3		
1	HW-	eLR	03 22 55	LZ	21	569.9	40.7	
1	JE-	eL	03 31 15	LR	20	2874.3	45.3	
							AVG.	4.06
1		03 23 17.2	57.2 N 151.3 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.10 CGS					
1	NP-	eP	03 28 04.5	SZ	0.8	74.6	22.3	5.17
		e	32 23	SR	1.5	76.9		
		ePCP	32 33	LZ	13	5487.3		
		eLQ	34 48	LR	40	7207.7		
		eLR	38 15	LZ	20	7751.4		
1	MN-	eP	03 29 14.5	SZ	1.0	13.3	28.7	4.67
		ePCP	32 32	SZ	1.0	10.8		
		eS	34 30	LR	25	969.3		
		eL	37 25	LR	23	4399.5		
1	LC-	eP	03 30 45.5	SZ	1.1	24.9	39.2	4.83
		e	38 10	LR	17	754.7		
		eL	39 55	LZ	17	9999.9		
1	DH-	eP	03 32 12.0	SZ	1.1	34.9	48.9	5.28
1	JE-	eLQ	03 46 10	LT	26	2336.0	47.4	
		eLR	52 20	LR	17	9607.3		
							AVG.	4.98
1		03 43 47.*	59.9 N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.80 CGS					
1	NP-	eP	03 48 10.0	SZ	0.5	4.5	18.9	3.98
1		04 26 52.7	2.8 S 80.1 W ECUADOR H= 35 KM MAG 4.50 CGS					
1		04 32 40.7	58.7 N 150.1 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.80 CGS					
1	NP-	eP	04 37 22.4	SZ	0.6	17.2	20.7	4.53
1	MN-	eP	04 38 40.0	SZ	1.0	6.6	28.8	4.38
1	LC-	eP	04 40 09.8	SZ	1.0	15.1	39.2	4.64

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.51
1	MN-	eP	04 36 15.5	SZ	1.0	3.3		
1	04 49 26.*		57.2 N 151.4 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.80 CGS					
1	NP-	eP	04 54 26.0	SZ	1.0	22.9	22.3	4.56
1	MN-	eP	04 55 24.0	SZ	1.0	10.0	28.7	4.56
1	LC-	eP	04 56 55.0	SZ	1.1	12.4	39.3	4.51
1	JE-	eP	04 58 02.0	SZ	1.0	30.8	47.5	5.33
							AVG.	4.74
1	NP-	eP	04 51 17.6	SZ	0.7	10.0		
1	04 54 00.*		59.5 N 147.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
1	NP-	eP	04 58 29.0	SZ	1.1	31.4	19.5	4.49
1	05 33 02.9		59.9 N 146.0 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.50 CGS					
1	NP-	eP	05 37 23.2	SZ	1.1	35.9	18.8	4.51
1	MN-	eP	05 38 52.5	SZ	0.7	6.6	27.8	4.53
		eS	43 50	LR	18	379.4		
		eLQ	45 55	LT	20	1956.1		
		eLR	46 50	LZ	22	2954.6		
1	LC-	eP	05 40 20.0	SZ	1.0	6.3	37.8	4.33
		eP	40 20	LZ	18	105.5		
		eS	46 10	LR	20	406.4		
		e	49 20	LZ	22	211.8		
		eLQ	51 27	LT	23	895.2		
		eLR	53 10	LZ	25	879.0		
1	HW-	eLR	05 50 40	LZ	30	391.2	40.5	
1	JE-	eLQ	05 56 15	LT	25	1557.8	45.2	
		eLR	58 18	LR	18	13.6U		
							AVG.	4.45
1	06 16 21.*		60.2 N 147.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.80 CGS					
1	NP-	eP	06 20 42.5	SZ	0.7	6.2	18.8	3.95
		e	24 23	SZ	0.7	10.0		
1	MN-	eP	06 22 17.0	SZ	0.7	4.1	28.4	4.34
		e	25 27	SZ	0.7	2.4		
1	LC-	eP	06 23 44.2	SZ	1.2	21.3	38.4	4.75

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.34
1	06 39 48.5		60.4 N 146.7 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 4.40 CGS					
1	NP-	eP	06 44 09.0	SZ	0.9	22.1	18.5	4.35
1	LC-	eP	06 47 24.5	SZ	1.5	22.2	38.4	4.66
1	JE-	eL	07 04 50	LR	20	898.2	45.6	
							AVG.	4.50
1	NP-	eP	06 43 50.0	SZ	0.5	1.8		
1	07 26 03.*		59.6 N 150.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
1	NP-	e	07 31 04	SZ	0.9	11.9	19.9	
1	07 56 08.*		56.6 N 151.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
1	08 09 01.*		56.6 N 151.4 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.40 CGS					
1	NP-	eP	08 14 05.3	SZ	0.8	22.9	22.9	4.70
1	LC-	eL	08 29 50	LR	17	118.1	39.1	
1	08 13 51.9		37.8 N 135.8 E SEA OF JAPAN H=386 KM MAG 4.00 CGS					
1	08 28 09.*		60. N 147.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.40 CGS					
1	08 33 22.		59.9 N 146.6 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 4.50 CGS					
1	NP-	eP	08 37 45.6	SZ	1.0	13.3	19.0	4.14
1	MN-	eP	08 39 18.5	SZ	1.0	5.0	28.0	4.28
1	JE-	eL	08 58 43	LR	18	1951.6	45.5	
							AVG.	4.21
1	08 54 04.*		56.7 N 152.3 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	NP=	eP	08 59 08.0	SZ	0.6	6.4	23.0	4.28
1	10 23 10.*		56.8 N 153.6 W PRINCE WILLIAM SOUND: ALASKA H= 33 KM MAG 4.10 CGS					
1	NP-	eP	10 28 14.5	SZ	0.9	11.9	23.1	4.36
		ePCP	32 10	SZ	0.5	1.8		
1	10 45 14.*		59.1 N 148.5 W PRINCE WILLIAM SOUND: ALASKA H= 33 KM MAG 4.00 CGS					
1	NP-	eP	10 49 39.2	SZ	0.9	32.3	20.0	4.59
1	11 01 25.5		60.4 N 146.5 W PRINCE WILLIAM SOUND: ALASKA H= 10 KM MAG 4.60 CGS					
1	NP-	eP	11 05 42.8	SZ	0.9	13.6	18.5	4.14
1	MN-	eP	11 07 21.3	SZ	0.9	6.4	28.3	4.43
1	LC-	eP	11 08 48.2	SZ	1.0	5.0	38.3	4.20
							AVG.	4.25
1	MN-	eP	11 42 51.0	SZ	999.9	9999.9		
1	HW-	eP	12 29 04.5	SZ	0.3	9999.9		
1	13 33 23.*		59.7 N 148.2 W PRINCE WILLIAM SOUND: ALASKA H= 20 KM MAG 4.50 CGS					
1	MN-	eP	13 39 17.5	SZ	0.6	3.1	28.6	4.28
1	LC-	eP	13 40 47.0	SZ	1.1	9.3	38.7	4.41
							AVG.	4.34
1	13 54 31.9		57.5 N 151.3 W PRINCE WILLIAM SOUND: ALASKA H= 20 KM MAG 4.90 CGS					
1	NP-	eP	13 59 28.5	SZ	0.7	32.6	22.0	4.85
		ePCP	14 03 23	SZ	0.7	6.2		
1	MN-	eP	14 00 30.0	SZ	0.7	6.6	28.8	4.54
		ePCP	03 39.0	SZ	0.8	3.4		
1	LC-	eP	14 02 11.5	SZ	1.1	10.9	39.3	4.45
		ePCP	04 08	SZ	1.0	3.7		
							AVG.	4.61
1	15 22 38.3		57.3 N 152.9 W PRINCE WILLIAM SOUND: ALASKA H= 15 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	NP=	eP	15 27 39.5	SZ	0.8	71.7	22.5	5.18
		ePCP	31 24	SZ	0.8	7.1		
1	LC-	eP	15 30 11.0	SZ	1.0	7.5	40.1	4.32
							AVG.	4.75
1	16 29 09.		59.7 N 146.5 W PRINCE WILLIAM SOUND: ALASKA H= 15 KM MAG 4.70 CGS					
1	NP-	eP	16 33 34.0	SZ	0.8	17.2	19.1	4.35
		e	40 09	SZ	2.5	91.2		
		eL	42 02	LZ	15	2125.9		
1	MN-	eP	16 34 59.5	SZ	0.8	7.8	27.9	4.55
		eS	39 55	LR	25	207.7		
		eL	41 25	LT	21	889.4		
1	LC-	eP	16 36 27.1	SZ	1.1	17.1	37.9	4.72
		ePCS	42 35	LR	18	269.8		
		eL	47 20	LT	25	480.7		
1	HW-	e	16 43 07	LZ	18	406.4	40.2	
		eLR	47 35	LZ	27	607.0		
1	JE-	eL	16 53 25	LT	20	1886.3	45.4	
							AVG.	4.54
1	NP-	eP	17 06 00.0	SZ	1.0	19.0		
1	DH-	eP	17 22 34.1	SZ	0.4	6.5	1.6	
		eS	22 55	ST	0.6	52.0		
1	17 23 12.1		56.1 N 155.4 W PRINCE WILLIAM SOUND: ALASKA H= 20 KM MAG 4.40 CGS					
1	NP-	eP	17 28 26.5	SZ	0.8	43.0	24.1	5.03
1	17 38 00.*		17.4 S 168.9 E NEW HEBRIDES ISLANDS H=227 KM MAG 4.40 CGS					
1	LC-	eP	18 32 56.5	SZ	0.3	7.2	1.5	
		eS	33 15	ST	0.4	7.8		
1	18 48 32.9		60. N 142.4 W PRINCE WILLIAM SOUND: ALASKA H= 33 KM MAG 4.40 CGS					
1	NP-	eP	18 52 39.0	SZ	0.9	10.2	18.2	4.01
1	MN-	eP	18 54 09.0	SZ	1.0	5.8	26.5	4.17
							AVG.	4.09
1	DH-	eP	19 19 45.0	SZ	0.3	20.2	1.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	20 28	ST	0.3	48.4		
1		20 07 24.*	56.6 N 153.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.40 CGS					
1	NP-	eP	20 12 31.5	SZ	0.7	8.7	23.2	4.34
1	HW-	eLR	20 24 12	LZ	26	252.7	36.6	
1		20 13 08.3	58.3 N 149.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 5.10 CGS					
1	NP-	eP	20 17 54.5	SZ	1.1	35.9	21.0	4.61
		ePCP	21 53	SZ	1.1	15.7		
		ePCP	22 00	LZ	15	1771.6		
		eL	27 30	LZ	15	2125.9		
1	MN-	eP	20 19 04.5	SZ	1.0	7.5	28.4	4.44
		eL	27 40	LZ	17	1749.7		
1	LC-	eP	20 20 33.4	SZ	1.2	15.5	38.8	4.59
		eLQ	31 20	LT	25	972.9		
		eLR	35 00	LZ	20	607.5		
1	JE-	eL	20 38 00	LR	19	1116.0	46.7	
							AVG.	4.54
1	NP-	eP	20 31 51.0	SZ	0.5	1.8		
1	NP-	eP	21 52 56.5	SZ	0.7	13.8		
1		22 00 58.7	58.9 N 150.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.60 CGS					
1	NP-	eP	22 05 39.7	SZ	0.6	6.4	20.5	4.09
1	LC-	eP	22 08 27.5	SZ	1.0	12.6	39.2	4.56
1	MN-	eL	22 16 18	LR	19	289.3	28.9	
							AVG.	4.32
1		23 37 08.*	51. N 157.1 E SOUTHERN KAMCHATKA					
			H= 33 KM MAG 4.50 CGS					
2		00 16 45.*	60.9 N 148.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.10 CGS					
2		01 11 55.*	5.9 N 95.7 E NEAR COAST NORTHERN SUMATRA					
			H=132 KM MAG 5.20 CGS					
2	NP-	eP	01 25 06.3	SZ	0.6	2.1	95.5	4.74

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	25 46	SZ	0.9	25.5		
		e	28 03	SZ	1.5	16.9		
		ePP	29 01	SZ	1.4	35.3		
		e	35 49	SR	1.7	23.2		
		eSKKS	35 50	LT	25	1159.3		
		e	36 33	SR	2.6	232.2		
		e	37 29	ST	3.2	324.3		
		ePS	37 56	LT	25	3709.8		
		e	43 16	LT	30	6467.5		
		e	46 58	LT	24	5705.5		
		eLQ	59 19	LR	27	10.8U		
		eLR	02 04 14	LZ	28	21.7U		
		eL	05 00	ST	24.5	85.3U		
		eL	09 32	LR	23	34.1U		
		eL	09 32	LT	22	33.3U		
		eL	09 32	LZ	21	9999.9U		
2	HW-	e	01 29 15	LZ	21	394.0	105.3	
		eSKS	36 39	LR	23	1158.0		
		eSS	45 13	LR	24	9999.9		
		eLQ	55 49	LR	33	13.8U		
2	RK-	eP	01 30 36.9	SZ	0.6	10.4	122.9	
		eP	30 41	LZ	17	321.6		
		ePP	32 20	SZ	0.9	7.6		
		ePP	32 23	LZ	25	164.5		
		eSKP	33 44	SZ	1.0	22.5		
		eSKS	37 41	LR	20	711.3		
		eSP	42 07	LZ	23	3898.6		
		eSKKP	44 47	LZ	23	9999.9		
		eSKKS	48 10	LR	26	2831.5		
		eLQ	02 09 40	LR	17	3721.4		
		eLR	15 00	LZ	24	9999.9		
2	DH-	eP	01 30 58.0	SZ	0.7	13.8	131.3	
		ePP	33 21	LZ	19	1593.1		
		eSKP	34 20	SZ	0.8	10.9		
		ePPP	36 35	LZ	17	2751.9		
		eSKKS	40 22	LT	19	1564.7		
		eSS	50 43	LR	26	6476.6		
2	LC-	eP	01 31 04.5	SZ	0.8	1.4	136.4	
		ePP	33 48	SZ	0.9	2.9		
		e	34 42	SZ	1.1	15.5		
		e	36 24	SZ	1.3	16.9		
2	JE-	eP	01 31 12.0	SZ	0.8	35.5	141.8	
		eP	31 16	LZ	18	772.7		
		ePP	34 25	LZ	17	3012.5		
		eSKP	34 48	SZ	1.0	40.0		
		ePPS	46 35	LR	20	2608.2		
		e	48 25	LR	25	2954.1		
		e	52 14	LR	20	5495.9		
		eL	02 18 20	LR	25	12.3U		
2	MN-	ePP	01 32 46	SZ	1.9	136.1	125.8	
		ePP	32 50	LZ	17	730.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	33 36	SZ	2.5	100.9		
		ePPP	35 34	SZ	3.6	459.2		
		e	40 27	SZ	1.0	3.2		
2	LC-	eL	01 33 47	LZ	22.0	985.9		
2	RK-	eP	02 08 01.9	SZ	0.7	7.4		
2	02 15 09.*		56.4 N 152.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
2	NP-	eP	02 20 15.6	SZ	0.7	7.5	23.3	4.28
2	02 40 31.*		60.1 N 148.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.70 CGS					
2	03 09 45.*		5.5 N 95.7 E NEAR COAST NORTHERN SUMATRA H=108 KM					
2	03 49 00.*		12.5 N 87.8 W NEAR WEST COAST OF NICARAGUA H= 32 KM MAG 4.20 CGS					
2	JE-	eP	03 53 29.2	SZ	0.7	24.8	19.6	4.58
2	LC-	eP	03 54 33.7	SZ	0.6	1.0	26.3	3.63
2	RK-	eP	03 56 18.9	SZ	0.7	28.6	38.5	5.14
							AVG.	4.45
2	03 50 25.1		56.2 N 153.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
2	NP-	eP	03 55 34.0	SZ	0.7	15.0	23.6	4.59
		e	55 41	SZ	0.7	27.6		
2	04 43 17.2		25.8 S 13.8 W SOUTH ATLANTIC OCEAN H= 33 KM MAG 5.00 CGS					
2	DH-	eL	05 23 34	LZ	26.0	659.5	88.1	
2	05 25 24.*		60.1 N 147.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.80 CGS					
2	05 32 03.*		58.8 N 159.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	06 07 17.*		58.9 N 150.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
2	06 18 16.*		60.4 N 146.8 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.00 CGS					
2	JE-	eP	06 31 39.3	SZ	0.6	16.7		
2	06 53 31.5		6.9 S 125.5 E BANDA SEA H=485 KM MAG 4.80 CGS					
2	NP-	eP	07 06 36.1	SZ	0.7	6.2	102.5	5.40
2	NP-	e	07 13 17	SZ	0.7	5.0		
2	07 38 31.*		2. N 125.6 E NORTHERN CELEBES H= 82 KM MAG 5.00 CGS					
2	JE-	eP	07 57 35.9	SZ	0.9	15.3	131.0	
2	NP-	eP	07 40 46.1	SZ	0.7	5.0		
2	07 57 18.*		60.1 N 147.9 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					
2	NP-	eP	08 01 37.0	SZ	0.6	2.1	19.0	3.59
2	MN-	eP	08 03 13.9	SZ	0.8	1.9	28.7	3.92
2	RK-	eP	08 03 34.7	SZ	0.6	3.1	31.2	4.35
2	LC-	eP	08 04 41.0	SZ	1.0	5.0	38.7	4.22
							AVG.	4.02
2	08 27 13.5		56.6 N 152.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
2	08 31 36.*		55.8 N 154.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2		09 04 51.9	57.9 N 151.1 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.80 CGS					
2	NP-	eP	09 09 39.3	SZ	0.8	11.4	21.6	4.30
		e	09 50	SZ	0.8	54.5		
		ePP	10 08	SZ	1.3	64.6		
		e	13 38	SZ	0.8	4.3		
2	MN-	eP	09 10 50.0	SZ	0.9	6.2	28.9	4.38
2	RK-	eP	09 11 27.2	SZ	0.9	15.3	33.3	4.90
		e	15 26	LR	26	257.4		
		eL	23 15	LZ	23	389.8		
2	LC-	eP	09 12 20.3	SZ	1.0	12.6	39.4	4.59
		eL	23 00	LT	23	257.3		
2	JE-	eL	09 32 53	LZ	18	551.9	47.4	
							AVG.	4.54
2		09 23 58.*	60.4 N 146.2 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 3.90 CGS					
2		09 57 54.5	56.5 N 152.8 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.90 CGS					
2	NP-	iP	10 03 01.2C	SZ	1.0	125.9	23.3	5.37
		e	04 58	SZ	1.2	39.2		
		eS	07 14	ST	1.4	36.8		
		eS	07 14	SR	1.8	53.2		
		eS	07 22	LT	19	3028.1		
		eS	07 22	LR	15	1440.9		
		e	07 40	ST	1.6	88.8		
		eL	13 52	LZ	20	2122.1		
2	MN-	eP	10 03 56.5	SZ	0.8	9.1	29.1	4.62
		eL	12 38	LZ	19	2181.8		
2	RK-	eP	10 04 43.0	SZ	0.9	11.5	34.5	4.80
		eS	10 13	LR	19	657.6		
		eSCP	11 00	SZ	1.3	14.4		
		eLQ	14 06	LR	24	1908.1		
		eLR	17 39	LZ	20	2816.9		
2	LC-	eP	10 05 28.6	SZ	1.2	19.4	39.8	4.65
		e	05 35	SZ	1.1	21.8		
		eL	19 25	LR	20	703.8		
2	JE-	eP	10 06 36.0	SZ	0.9	30.7	48.2	5.36
		eL	26 19	LT	22	2534.1		
2	DH-	eP	10 06 48.6	SZ	0.7	9.2	49.9	4.83
		eS	14 00	LR	25	440.6		
		eSS	17 46	LR	21	707.6		
		eL	22 06	LR	27	637.7		
		eL	26 55	LR	19	3050.1		
		eL	26 55	LT	20	1360.0		
		eL	26 55	LZ	19	1378.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2		HW- eL	10 14 56	LZ	25.0	638.0	36.5	
							AVG.	4.93
2		10 09 47.	56.7 N 152.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.20 CGS					
2	NP-	eP	10 14 51.4	SZ	0.6	8.6	23.0	4.39
		e	14 57	SZ	0.6	21.5		
2		10 58 09.1	59.3 N 150.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 4.60 CGS					
2	NP-	eP	11 02 45.7	SZ	0.7	2.5	20.1	3.59
2	MN-	eP	11 04 11.5	SZ	0.9	3.1	29.1	4.10
2	RK-	eP	11 04 37.5	SZ	0.7	7.4	32.4	4.69
2	LC-	eP	11 05 40.0	SZ	1.0	5.0	39.4	4.17
							AVG.	4.13
2		11 41 10.7	58.8 N 149.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 5.40 CGS					
2	NP-	eP	11 45 49.5	SZ	0.9	211.2	20.5	5.43
		eP	45 53	LZ	13	1144.0		
		e	47 03	SZ	1.4	137.8		
		eS	49 40	SR	1.6	67.4		
		e	49 45	LZ	14	3502.1		
		e	54 56	LZ	15	2138.8		
2	MN-	eP	11 47 08.1	SZ	1.1	21.1	28.7	4.84
		e	47 15	SZ	1.0	22.0		
		ePCP	50 18	SZ	0.9	8.7		
		eL	54 57	LZ	18	2621.4		
		e	15 50 25	SZ	0.8	10.1		
2	RK-	eP	11 47 39.0	SZ	1.0	107.5	32.3	5.70
		eP	47 40	LZ	16	319.6		
		e	53 30	LR	18	248.3		
		eLQ	55 34	LR	24	1139.9		
		eL	58 24	SR	1.5	13.6		
		eLR	12 00 23	LZ	16	4475.7		
2	LC-	eP	11 48 38.1	SZ	1.1	71.7	39.0	5.27
		e	48 45	SZ	1.1	54.5		
		ePPP	50 47	SZ	1.1	7.7		
		ePCS	54 40	LR	17	174.5		
		eLQ	12 00 24	LR	24	448.5		
		eLR	02 15	LZ	23	845.0		
2	HW-	eP	11 48 45.0	SZ	0.7	43.2	39.0	5.25
		eL	12 00 15	LZ	21	630.5		
2	JE-	eP	11 49 40.9	SZ	1.0	100.0	46.8	5.82

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	49 42	LZ	13.0	4221.6		
		eS	56 37	LR	15	1334.1		
		eL	12 05 31	LR	23	1082.9		
		eL	09 50	LT	17	5146.1		
		eL	09 50	LZ	17	3780.4		
		eL	09 50	LR	13	4649.0		
2	DH-	eP	11 49 46.2	SZ	1.0	27.8	47.6	5.28
		ePCP	51 22	SZ	0.8	10.9		
		eS	56 51	LR	18	392.4		
		eSS	12 00 21	LR	16	317.9		
		eLQ	06 07	LT	20	928.3		
		eLR	09 49	LZ	14	4310.3		
							AVG.	5.37
2	12 14 59.*		60.1 N 145.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
2	NP-	eP	12 19 14.3	SZ	0.7	3.7	18.5	3.71
2	RK-	eP	12 21 05.4	SZ	1.0	5.0	30.0	4.27
							AVG.	3.99
2	12 19 09.*		56.3 N 152.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
2	NP-	eP	12 24 13.7	SZ	0.8	14.3	23.3	4.50
2	12 20 25.*		60.9 N 148.1 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 4.10 CGS					
2	13 28 38.6		60.2 N 147.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.40 CGS					
2	NP-	eP	13 32 59.5	SZ	0.7	5.0	18.8	3.86
2	RK-	eP	13 35 03.6	SZ	0.7	4.9	31.1	4.51
		eL	44 51	LR	24	446.0		
2	LC-	eP	13 36 02.6	SZ	0.9	5.8	38.7	4.30
		e	36 10	SZ	0.9	5.8		
2	DH-	eL	13 56 05	LZ	19	796.5	46.3	
							AVG.	4.22

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	14 22 03.*		60.5 N 149.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
2	NP-	eP	14 26 52.2	SZ	0.8	7.1		
2	14 57 43.1		57.4 N 150.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
2	NP-	eP	15 02 45.2	SZ	0.6	3.2	22.0	3.90
2	RK-	eP	15 04 16.1	SZ	0.7	2.4	33.0	4.22
							AVG.	4.06
2	15 25 41.5		9.5 N 82.7 W COSTA RICA PANAMA BORDER H= 33 KM MAG 3.90 CGS					
2	RK-	eP	15 33 34.0	SZ	0.9	7.6	42.2	4.46
2	15 56 52.6		5.8 N 125.8 E MINDANAO, PHILIPPINE ISLANDS H=179 KM MAG 5.70 CGS					
2	HW-	ePCP	16 09 01	LZ	18.0	743.1	77.2	
		eS	18 21	LR	24	1506.0		
		eL	32 25	LZ	30	1514.7		
2	NP-	eP	16 09 46.0	SZ	0.7	7.5	90.1	4.78
		e	12 41	SZ	1.2	23.5		
		eSKS	19 56	ST	1.1	15.9		
		eS	20 20	ST	1.9	128.8		
		eS	20 20	SR	1.5	37.9		
2	MN-	ePD	16 10 57	SZ	0.7	1.6	106.3	
		ePP	15 08	SZ	1.0	4.0		
		e	21 26	SR	3.0	193.9		
		eSP	24 16	LZ	22	856.1		
		ePKKP	26 24	SZ	1.0	5.7		
		eSS	30 19	LR	22	1074.7		
		eL	38 05	LR	31	944.6		
2	RK-	eP.	16 15 12.1	SZ	0.6	8.3	114.2	
		e	16 52	SZ	0.8	7.3		
		ePPP	18 40	SZ	1.0	10.0		
		eSKS	21 53	ST	1.3	251.2		
		eSKS	21 53	SR	1.1	54.5		
		eSKKS	22 47	ST	1.7	52.3		
		eSP	25 37	LZ	19	1614.5		
		e	25 52	SZ	0.7	2.4		
		ePKKP	25 57	SZ	0.8	13.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	45 25	LR	37.0	1308.1		
		eLR	50 22	LZ	36	2243.9		
2	LC-	eP'	16 15 20.5	SZ	0.6	1.0	117.4	
		e	15 25	SZ	0.9	10.6		
		ePP	16 45	LZ	20	203.5		
		epPP	17 09	SZ	1.1	6.2		
		e	18 49	SZ	1.0	8.8		
		eSKS	22 05	LR	15	248.6		
		eSKS	22 12	ST	1.2	5.6		
		e	25 46	SZ	0.6	3.1		
		e	25 52	SZ	1.0	27.7		
		e	26 08	SZ	0.8	11.9		
		e	26 09	LZ	20	942.0		
		e	27 51	LZ	19	481.6		
		eSKKP	29 27	SZ	1.0	2.5		
		eSS	32 15	LT	20	375.3		
		e	40 25	LR	25	334.8		
		eL	43 57	LR	22	409.1		
2	DH-	eP'	16 15 45.6	SZ	1.1	57.2	128.6	
		eSKP	18 55	SZ	1.5	218.2		
2	RK-	eL	16 16 20	LR	23.0	639.9		
2	16 40 19.*		25.5 N 112.5 W BAJA CALIFORNIA H= 33 KM MAG 4.10 CGS					
2	LC-	eP	16 42 24.6	SZ	0.9	4.8	8.6	4.65
2	MN-	eP	16 43 40.6	SZ	1.0	7.3	13.8	4.34
							AVG.	4.49
2	JE-	eL	16 58 45	LZ	29	1599.7		
2	18 17 32.*		56.8 N 151.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					
2	NP-	eP	18 22 32.6	SZ	0.9	13.6	22.7	4.39
2	18 25 21.		60. N 147.8 W PRINCE WILLIAM SOUND, ALASKA H= 40 KM MAG 4.60 CGS					
2	NP-	iP	18 29 41.1C	SZ	0.9	25.5	19.1	4.49
		ePP	29 47	SZ	0.8	91.8		
2	MN-	eP	18 31 15.0	SZ	0.6	2.0	28.6	4.05
2	RK-	eP	18 31 36.9	SZ	1.0	12.5	31.2	4.72
		ePCP	34 31	SZ	0.9	3.8		
		eL	40 57	LR	25	1510.6		
2	LC-	eP	18 32 43.1	SZ	0.8	2.9	38.7	4.11

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	DH-	eP	18 33 46.5	SZ	0.8	10.9	46.5	4.89
		eLQ	49 53	LR	13	1155.8		
		eLR	52 57	LZ	17	1582.3		
							AVG.	4.45
2	JE-	e	18 51 02	LR	15	1334.1		
2	JE-	e	18 55 09	LZ	12	1827.0		
2	19 03 52.*		60.4 N 145.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
2	NP-	eP	19 08 04.5	SZ	0.7	2.5	18.3	3.52
2	RK-	eL	19 19 41	LR	23	467.6	29.9	
2	19 28 22.*		12.4 N 143.5 E MARIANA ISLANDS H= 33 KM MAG 4.70 CGS					
2	19 38 24.7		60.7 N 145.8 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS					
2	NP-	eP	19 42 35.0	SZ	0.7	5.0	18.1	3.78
		e	44 41	SZ	0.7	11.2		
2	MN-	eP	19 44 21.5	SZ	0.7	1.2	28.2	3.81
		e	46 03	SZ	0.7	3.2		
		eL	49 23	SZ	0.7	2.4		
2	RK-	eP	19 44 34.1	SZ	0.9	7.6	30.1	4.53
		e	46 25	SZ	0.9	19.2		
		eL	54 07	SR	2.5	57.4		
2	LC-	eP	19 45 51.6	SZ	0.9	3.8	38.1	4.16
							AVG.	4.07
2	19 40 19.9		59.6 N 144.8 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.70 CGS					
2	LC-	eP	19 47 31.0	SZ	1.0	5.0	37.1	4.24
2	RK-	e	19 54 15	LR	17	649.7	29.8	
		eL	56 03	LR	19	894.3		
2	JE-	eL	20 06 23	LZ	15	946.0	44.5	
2	DH-	eL	20 07 50	LZ	12	1823.9	45.1	
2	20 09 42.		59.8 N 147.0 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 5.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	NP-	eP	20 14 06.3	SZ	0.9	8.5	19.1	3.99
2	RK-	eP	20 15 59.5	SZ	0.8	8.8	30.8	4.71
		ePCP	18 55	SZ	0.8	4.4		
		eL	25 00	LR	25	1888.2		
2	LC-	eP	20 17 04.6	SZ	1.0	11.3	38.2	4.56
2	HW-	eP	20 17 21.3	SZ	0.8	51.4	40.3	5.26
2	JE-	eL	20 35 02	LR	18	2833.4	45.6	
							AVG.	4.63
2	MN-	eP	20 15 36.6	SZ	0.9	7.5		
2	LC-	eP	21 05 17.3	SZ	0.3	1.8	.3	
		eS	05 23	SR	0.3	2.6		
2	LC-	eP	21 05 48.9	SZ	0.3	4.0	.4	
		eS	05 54	ST	0.4	8.9		

2 21 09 36.* 58.8 N 144.8 W PRINCE WILLIAM SOUND. ALASKA
H= 15 KM MAG 4.20 CGS

2	RK-	eP	21 15 37.2	SZ	0.7	3.7	29.8	4.31

2 22 07 20.6 60.4 N 147.2 W PRINCE WILLIAM SOUND. ALASKA
H= 10 KM MAG 4.40 CGS

2	NP-	eP	22 11 40.9	SZ	0.9	5.1	18.6	3.72
2	MN-	eP	22 13 18.4	SZ	0.9	3.7		

2 22 34 31.7 59.8 N 144.3 W PRINCE WILLIAM SOUND. ALASKA
H= 20 KM MAG 5.00 CGS

2	NP-	eP	22 38 48.6	SZ	0.6	9999.9	18.7	
		eS	42 28	LR	16	3196.9		
		eL	43 59	LT	19	5329.4		
		eL	44 50	ST	2.9	1371.3		
2	MN-	eP	22 40 14.0	SZ	1.0	14.7	27.1	4.64
		eP	40 19	LZ	19	334.3		
		e	43 06	SZ	0.8	9.6		
		eS	44 49	LR	14	1540.5		
		eL	48 10	SZ	6.9	1966.6		
		eL	48 10	LZ	14	2795.8		
2	RK-	eP	22 40 34.6	SZ	1.0	35.0	29.5	5.11
		eP	40 35	LZ	15	648.4		
		eS	45 32	ST	3.0	315.6		
		eS	45 35	LR	20	2032.3		
		e	48 16	SR	1.6	48.1		
		e	49 21	SR	1.6	48.1		
		eL	49 45	LZ	19	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	49 55	SR	2.3	336.5		
2	LC-	eP	22 41 51.5	SZ	1.3	19.4	37.0	4.71
		ePP	43 10	LZ	15	316.5		
		eS	47 31	LR	16	477.1		
		eSS	50 00	LT	21	769.1		
		eL	55 27	SZ	4.6	353.5		
		eLR	55 30	LZ	20	825.7		
2	HW-	eL	22 51 29	LR	16	4304.7	40.6	
2	DH-	eSCS	22 52 46	LT	14	1035.9	44.8	
		eL	55 50	LR	19	4661.6		
		eL	57 50	SR	2.0	245.5		
2	JE-	eL	22 57 10	LT	24	3631.0	44.3	
		eL	58 10	SR	6.4	6747.2		
							AVG.	4.82

2 23 27 52.4 56.4 S 25.1 W SANDWICH ISLANDS REGION
H= 33 KM MAG 6.00 CGS

2 23 29 59.3 60.5 N 146.3 W PRINCE WILLIAM SOUND. ALASKA
H= 15 KM MAG 3.90 CGS

2	MN-	eP	23 46 45.7	SZ	0.9	1.8		
3	LC-	eL	00 27 50	LR	17	98.1		

3 00 37 38.5 58.2 N 148.9 W PRINCE WILLIAM SOUND. ALASKA
H= 33 KM MAG 5.00 CGS

3	RK-	eL	00 53 45	LZ	20	236.1	32.1	
3	RK-	eP	00 44 02.5	SZ	0.2	*	.4	
		eS	44 09	SR	0.3	8.8		

3 01 14 40. 59.3 N 148.3 W PRINCE WILLIAM SOUND. ALASKA
H= 33 KM MAG 4.40 CGS

3	RK-	eP	01 21 01.0	SZ	0.5	*	31.6	
		eL	31 15	LZ	22	137.2		

3 01 40 26.5 59.3 N 147.7 W PRINCE WILLIAM SOUND. ALASKA
H= 33 KM MAG 4.60 CGS

3 04 12 41.9 4. N 96.6 E NEAR WEST COAST OF SUMATRA
H= 70 KM MAG 5.80 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	RK=	eP	04 31 34.5	SZ	0.6		124.7	
		e	55 00	LZ	35	508.7		
		eLQ	05 02 35	LR	30	328.7		
		eLR	14 35	LR	35	716.6		
3	LC=	eP	04 31 51.2	SZ	0.9	1.9	137.6	
		eSKP	35 25	LZ	1	50.6U		
		eSKP	35 29	SZ	1.0	10.2		
		eSKKS	41 35	LR	27	158.4		
		eSPP	47 03	LZ	18	286.5		
		e	53 05	LZ	28	380.0		
		eLQ	05 11 15	LT	55	1670.9		
		eLR	18 20	LR	25	351.2		
3	DH=	eP	04 35 14.5	SZ	1.2	72.7		
3	MN=	eP	04 42 55.1	SZ	0.5	1.5		
3	04 51 27.*		57. N 154.0 W ALASKA AFTERSHOCK H= 33 KM MAG 4.30 CGS					
3	HW=	eL	05 12 00	LZ	33	970.6	37.0	
3	DH=	eL	05 18 15	LT	28	339.6	50.4	
3	04 54 49.2		43.8 N 143.3 E HOKKAIDO, JAPAN H= 33 KM MAG 4.70 CGS					
3	05 56 23.5		15.4 N 94.1 W OFF COAST OF OAXACA, MEXICO H= 33 KM MAG 4.20 CGS					
3	LC=	eP	06 01 00.5	SZ	0.7	7.6	20.4	4.10
3	RK=	eP	06 03 17.0	SZ	0.9		35.3	
3	06 23 11.3		60. N 149.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM					
3	06 56 10.*		60.7 N 149.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
3	MN=	eP	07 06 30.0	SZ	0.7	3.3		
3	LC=	eP	08 00 35.2	SZ	1.0	8.9		
3	HW=	eP	08 19 04.2	SZ	0.3	186.3	1.0	
		eS	19 28	SR	0.3	309.3		
3	08 38 42.8		59.6 N 144.7 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 5.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	RK=	eP	08 44 50.0	SZ	1.1		29.7	
		eP	44 55	LZ	14	242.8		
		ePP	45 45	LZ	13	491.0		
		eS	49 45	LR	22	721.9		
		e	52 00	LR	13	2033.9		
		eL	54 00	LR	21	5017.3		
3	LC=	eP	08 45 54.4	SZ	1.3	44.3	37.1	5.05
		eP	45 55	LZ	14	331.5		
		e	47 30	LR	16	429.1		
		ePCS	52 00	LR	15	822.0		
		eLQ	54 42	LT	18	713.4		
		eLR	56 15	LT	31	1068.5		
3	HW=	eP	08 46 25	LZ	9	958.6	40.4	
		e	52 43	LZ	16	1402.1		
		eLQ	55 45	LR	17	1703.2		
		eLR	09 00 31	LZ	18	1150.4		
3	DH=	eP	08 47 05.0	SZ	1.5	83.3	45.0	5.43
		e	50 00	LT	19	558.0		
		eL	09 01 03	LT	20	1616.8		
							AVG.	5.24
3	08 46 27.*		57.9 N 150.5 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.50 CGS					
3	RK=	eP	08 53 06.0	SZ	0.5		33.0	
3	LC=	eP	08 53 54.0	SZ	1.4	39.6	39.1	4.90
3	08 47 34.8		27.9 S 178.1 W KERMADEC ISLANDS H= 33 KM MAG 4.80 CGS					
3	09 04 33.5		4.9 S 152.1 E NEW BRITAIN H= 82 KM MAG 4.80 CGS					
3	09 48 16.*		57.1 N 150.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					
3	10 46 52.*		59.3 N 147.0 W ALASKA AFTERSHOCK H= 33 KM MAG 3.70 CGS					
3	11 09 28.*		56.7 N 152.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.80 CGS					
3	LC=	eP	12 00 59.0	SZ	0.7	1.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	12 53 36.4		60.3 N 147.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.20 CGS					
3	13 46 38.		8.7 S 78.7 W NEAR COAST OF CENTRAL PERU H= 82 KM MAG 4.60 CGS					
3	LC-	eP	13 55 16.5	SZ	1.0	12.8	48.8	4.81
3	RK-	eP	13 56 51.2	SZ	0.5	,	60.7	
3	13 52 02.*		58.9 N 147.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM					
3	MN-	eL	16 39 56	LZ	25.0	566.9		
3	DH-	eP	16 47 05.0	SZ	0.3	40.5	1.8	
		eS	47 25	SR	0.3	54.7		
3	17 21 10.*		1.9 N 102.2 W NORTHWEST GALAPAGOS ISLANDS H= 33 KM MAG 4.80 CGS					
3	RK-	eP	17 29 57.5	SZ	0.8	,	49.3	
		e	37 16	LZ	20	401.4		
		eLQ	42 10	LR	35	501.6		
		eLR	46 45	LR	20	791.7		
3	LC-	eL	17 35 00	LZ	28	9999.9	30.6	
3	HW-	e	17 38 35	LZ	18	623.1	55.2	
		eL	46 15	LZ	27	1196.5		
3	RK-	eP	19 03 01.5	SZ	0.9	,		
3	19 08 15.2		14.9 S 167.1 E NEW HEBRIDES ISLANDS H= 95 KM MAG 4.90 CGS					
3	19 57 53.3		60.1 N 148.0 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.80 CGS					
3	MN-	eP	20 03 57.8	SZ	0.7	1.6	28.7	3.93
		ePP	04 29	SZ	1.1	47.3		
		e	05 19	SR	1.1	65.0		
		e	05 35	LT	26	3090.2		
3	RK-	eP	20 04 04.0	SZ	0.7	,	31.3	
3	LC-	eP	20 05 19.3	SZ	1.1	23.7	38.8	4.81

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	DH-	eL	20 21 00	LT	15.0	643.2	46.5	
							AVG.	4.37
3	HW-	eP	20 07 35.5	SZ	0.3	62.1	.4	
		eS	07 42	SR	0.3	224.9		
3	20 23 25.*		57. N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.60 CGS					
3	RK-	eP	20 29 41.0	SZ	1.0	,	30.8	
3	LC-	eP	20 30 32.0	SZ	1.5	15.0	36.5	4.59
3	20 47 25.*		60.6 N 140.9 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.50 CGS					
3	LC-	eP	21 00 09.5	SZ	0.5	2.9		
3	22 15 48.3		57.1 N 151.9 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.10 CGS					
3	RK-	eP	22 22 31.0	SZ	0.7	,	33.9	
		eL	34 00	LZ	25	421.2		
3	LC-	eP	22 23 21.6	SZ	1.2	7.8	39.5	4.26
		eL	34 35	LT	26	501.0		
3	22 33 42.2		61.6 N 147.6 W PRINCE WILLIAM SOUND, ALASKA H= 40 KM MAG 6.00 CGS					
3	RK-	eP	22 39 56.0	SZ	0.5	,	30.9	
		e	39 57	SZ	0.7			
		eP	40 00	LZ	21	1387.6		
		e	40 11	SZ	0.7			
		eS	44 55	LR	20	9999.9		
3	LC-	eP	22 41 08.7	SZ	1.3	101.0	39.3	5.40
		eP	41 09	LZ	13	2121.3		
		e	41 27	SZ	1.0	112.8		
		e	42 45	LR	16	2467.4		
		eSCP	47 08	SZ	4.5	759.3		
		eL	54 50	LR	999 9	9999.9		
		eL	54 59	SZ	4.5	843.6		
3	HW-	eP	22 41 31.5	SZ	0.5	32.8	42.0	5.36
		eP	41 35	LZ	17	923.3		
		e	48 05	LZ	14	3176.0		
		eSS	51 02	LR	20	3418.5		
		eL	52 00	LR	20	10.0U		
3	DH-	eP	22 42 05.0	SZ	0.8	39.1	46.1	5.42

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	44 12	LZ	24.0	1104.0		
		e	46 53	ST	1.0	34.3		
		eS	48 37	LT	17	2715.1		
		eSS	52 10	LT	20	4131.9		
		eL	53 45	LT	80	9999.9		
							AVG.	5.39
4		01 58 41.*	58.4 N 146.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					
4	NP-	eP	02 03 17.2	SZ	1.1	23.0	20.4	4.38
		e	03 24	SZ	0.6	6.6		
4		02 35 05.1	44.2 N 146.0 E KURILE ISLANDS H= 62 KM MAG 4.30 CGS					
4		04 34 56.9	60.3 N 146.5 W PRINCE WILLIAM SOUND, ALASKA H= 5 KM MAG 5.00 CGS					
4	NP-	eP	04 39 15.9	SZ	0.6	27.6	18.6	4.63
		e	39 33	SZ	0.6	22.1		
4	MN-	eP	04 40 53.7	SZ	0.8	4.8	28.2	4.37
		ePCP	44 06	SZ	0.6	3.4		
		eS	45 52	LR	24	407.4		
		eLR	49 14	LZ	22	1421.3		
4	RK-	eP	04 41 12.0	SZ	0.7	,	30.5	
		ePCP	44 10	SZ	0.6			
		e	47 01	LZ	21			
		eL	50 04	LZ	33			
		eLR	54 14	LZ	16			
4	LC-	eP	04 42 20.9	SZ	0.7	1.9	38.2	3.93
		eS	48 33	LR	22	359.7		
		eLQ	51 27	LR	16	214.5		
		eLR	54 23	LZ	35	730.6		
4	JE-	eLQ	04 58 05	LZ	35	552.8	45.5	
		eLR	59 56	LT	21	1673.0		
							AVG.	4.31
4		04 54 01.7	60.1 N 146.7 W PRINCE WILLIAM SOUND, ALASKA H= 40 KM MAG 5.60 CGS					
4	NP-	eP	04 58 17.0	SZ	1.4	145.2	18.8	5.04

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	58 19	LZ	16.0	5764.9		
		e	05 00 46	LZ	18	9316.4		
		e	01 45	SZ	6.5	9964.4		
		eLR	02 30	LZ	34	30.4U		
4	MN-	eP	04 59 53	LZ	14	1317.0	28.2	
		eP	59 53.3	SZ	2.0	86.8		5.16
		ePCP	05 03 07	LZ	20	436.6		
		eS	04 52	LR	27	2741.2		
		eL	08 07	LR	999 9	9999.9		
		eL	10 59	SZ	4.0	308.9		
4	RK-	eP	05 00 13	LZ	19		30.7	
		eP	00 13.6	SZ	0.9	,		
		e	01 00	LZ	16			
		eL	05 44	LZ	16			
		eL	09 44	SZ	8.0			
4	LC-	eP	05 01 20.0	SZ	1.2	65.0	38.2	5.30
		e	01 47	SZ	1.1	31.6		
		e	02 13	SZ	1.3	32.0		
4	HW-	eP	05 01 40.4	SZ	1.5	367.6	40.6	5.91
		eP	01 42	LZ	13	1110.8		
		e	07 59	LZ	20	4273.4		
		eSS	11 00	LR	22	5642.7		
		eL	12 22	LZ	20	9704.2		
4	DH-	eP	05 02 15	LZ	13	3257.0	45.9	
		eP	02 22.5	SZ	1.7	386.5		6.07
		eS	09 08	LT	16	3744.1		
		eSS	12 41	LR	17	4767.3		
		eL	15 22	LT	27	7279.0		
		eL	18 11	SR	3.0	1562.7		
4	JE-	eP	05 02 19.5	SZ	1.5	264.7	45.6	5.93
		e	02 24	SZ	1.0	76.0		
		eS	09 12	LT	16	3860.4		
		e	12 54	LT	20	4745.4		
		eLQ	16 09	LT	37	13.8U		
		eL	18 02	ST	3.5	957.9		
		eLR	19 38	LZ	22	10.1U		
							AVG.	5.56
4		05 10 34.4	57.3 N 149.4 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.60 CGS					
4	NP-	eP	05 15 29.7	SZ	0.6	35.4	21.9	4.94
		e	15 36	SZ	0.5	48.5		
4		06 10 30.*	59.8 N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.70 CGS					
4		06 43 20.2	12.5 N 87.7 W OFF WEST COAST OF NICARAGUA H= 41 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	JE=	eP	06 47 53.2	SZ	0.6	58.5	19.6	5.03
4	06 53 25.9		60.4 N 146.0 W PRINCE WILLIAM SOUND: ALASKA H= 15 KM MAG 4.80 CGS					
4	NP=	eP	06 57 41.4	SZ	0.8	20.6	18.4	4.37
4	MN=	eP	06 59 19.4	SZ	1.3	21.9	28.1	4.80
		eS	07 04 03	LR	27	562.7		
		eLR	08 04	LZ	20	2619.8		
4	LC=	eP	07 00 46.5	SZ	1.0	7.6	38.1	4.41
		e	00 51	SZ	1.1	13.6		
		eL	13 43	LT	23	778.5		
4	HW=	eL	07 12 48	LZ	23	1035.0	41.0	
4	JE=	eL	07 18 12	LT	21	8458.0	45.3	
							AVG.	4.52
4	06 57 12.*		5.5 N 95.3 E NORTHERN SUMATRA H=157 KM MAG 4.60 CGS					
4	RK=	eP	07 05 26	LZ	22.0			
4	RK=	e	07 09 57	LZ	19			
4	RK=	e	07 11 46	LZ	13			
4	DH=	e	07 16 30	LR	23	2145.3		
4	DH=	e	07 18 37	LR	17	1175.9		
4	RK=	eP	07 59 37.0	SZ	1.2	*		
4	08 40 29.8		56.5 N 152.6 W PRINCE WILLIAM SOUND: ALASKA H= 15 KM MAG 5.30 CGS					
4	NP=	eP	08 45 38.6	SZ	0.7	216.7	23.2	5.76
		eP	45 40	LZ	22	3195.6		
		e	49 47	SZ	3.0	361.4		
		eS	50 03	LT	17	9999.9		
		eL	52 30	LT	35	23.9U		
		e	53 43	SZ	0.8	13.2		
4	MN=	eP	08 46 30	LZ	18	2884.0	29.0	
		eP	46 30.2	SZ	1.0	13.8		4.71
		e	46 39	SZ	1.0	24.5		
		eS	51 37	LR	14	3967.3		
		eL	54 45	LZ	999 9	9999.9		
		eL	55 31	SR	6.0	891.3		
4	RK=	eP	08 47 17.8	SZ	0.7	*	34.4	
		e	47 20	SZ	0.9			
		eP	47 24	LZ	17			
		ePCP	49 58	SZ	1.0			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	52 52	LZ	18.0			
		eL	57 11	LZ	22			
4	HW=	eP	08 47 42	LZ	17	776.2	36.5	
		ePP	49 06	LZ	14	1220.6		
		eS	53 22	LR	18	3336.2		
		eL	55 23	LR	18	11.5U		
4	LC=	eP	08 48 03.5	SZ	1.4	35.4	39.7	4.84
		eP	48 06	LZ	19	1475.0		
		e	48 28	SZ	1.3	56.7		
		e	49 41	LZ	17	2351.4		
		e	53 34	LR	18	1191.9		
		eL	09 00 30	LZ	999 9	9999.9		
		eL	03 16	SZ	14.0	13.9U		
4	JE=	eP	08 49 10.5	SZ	1.1	37.0	48.1	5.38
		eP	49 12	LZ	17	2088.5		
		e	49 12	SZ	0.8	53.2		
		ePP	51 15	LZ	16	2544.4		
		eS	56 11	LR	22	13.7U		
		eSS	59 53	LR	17	6421.2		
		eL	09 03 46	LT	15	5709.3		
4	DH=	eP	08 49 25.2	SZ	0.7	27.6	49.8	5.31
		e	49 30	SZ	1.2	114.1		
		eP	49 33	LZ	18	1047.0		
		eS	56 38	LR	25	5553.9		
		eSGS	59 15	LT	22	1185.3		
		eSS	59 58	LR	17	7691.3		
		eL	09 07 05	LZ	22	3180.7		
							AVG.	5.20
4	NP=	eP	08 58 06.6	SZ	0.6	2.2		
4	NP=	e	08 58 10	SZ	1.0	10.9		
4	NP=	e	08 58 15	SZ	0.8	14.7		
4	NP=	eP	09 08 47.1	SZ	0.9	7.0		
4	09 10 55.1		56.9 N 152.7 W PRINCE WILLIAM SOUND: ALASKA H= 15 KM MAG 5.90 CGS					
4	NP=	eP	09 15 58	LZ	13	9431.3	22.9	
		eP	15 59.6	SZ	999.9	9999.9		
		e	18 14	SZ	2.1	726.8		
		eS	20 11	SR	2.1	665.6		
		eS	20 13	LT	23	14.6U		
		e	20 18	ST	1.7	691.0		
		eL	21 59	LT	37	18.3U		
		eL	23 40	LZ	27	7740.8		
4	MN=	eP	09 16 59.2	SZ	1.1	60.5	29.3	5.31
		e	17 13	SZ	1.1	58.5		
4	RK=	eP	09 17 42.6	SZ	0.7	*	34.4	
		ePCP	20 17	SZ	0.6			
		eL	30 19	SR	3.0	400.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	HW=	eP	09 18 04.8	SZ	1.0	166.6	36.9	5.76
		e	23 55	LZ	24	2518.5		
		eSS	26 32	LR	21	6481.7		
		eLR	28 08	LZ	23	4959.5		
4	JE=	eP	09 19 36.8	SZ	0.8	218.9	48.2	6.28
		e	19 44	SZ	1.0	140.0		
4	DH=	eP	09 19 47.7	SZ	1.6	543.7	49.8	6.25
							AVG.	5.90
4	09 49 28.*		56.9 N 151.7 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.20 CGS					
4	NP=	eP	09 54 31.3	SZ	1.0	11.7	22.7	4.28
4	LC=	eP	10 18 31.1	SZ	1.5	192.3		
4	LC=	eP	10 37 10.4	SZ	0.6	1.0		
4	LC=	e	10 37 18	SZ	0.7	4.4		
4	10 37 36.*		59.8 N 150.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 10 KM MAG 4.30 CGS					
4	NP=	eP	10 42 04.3	SZ	1.2	18.8	19.6	4.21
		e	43 04	SZ	0.9	17.5		
4	MN=	eP	10 43 42.4	SZ	0.7	2.2	29.4	4.10
4	LC=	eP	10 45 10.4	SZ	1.1	7.9	39.6	4.28
							AVG.	4.19
4	LC=	eL	10 39 02	SR	0.7	5.6		
4	11 10 07.*		59.9 N 149.3 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.80 CGS					
4	NP=	eP	11 14 30.6	SZ	0.7	14.1	19.4	4.34
4	12 04 49.*		58. N 148.9 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.40 CGS					
4	NP=	eP	12 09 35.0	SZ	1.1	9.2	21.1	4.03
		e	09 42	SZ	1.1	27.6		
4	13 49 45.4		56.6 N 153.9 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 4.20 CGS					
4	NP=	eP	13 54 53.4	SZ	0.7	7.2	23.4	4.27
4	15 08 12.3		59.6 N 146.9 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.70 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	NP=	eP	15 12 38.6	SZ	0.9	19.2	19.3	4.35
		e	12 55	SZ	1.0	33.3		
4	LC=	eP	15 15 33.7	SZ	1.5	22.6	38.1	4.70
							AVG.	4.52
4	15 55 10.*		19.1 S 169.4 E NEW HEBRIDES ISLANDS					
			H=153 KM MAG 4.20 CGS					
4	17 33 08.*		14.1 N 92.2 W NEAR SOUTH COAST GUATEMALA					
			H= 33 KM MAG 3.60 CGS					
4	17 46 08.6		56.3 N 154.4 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 6.50 CGS					
4	NP=	iP	17 51 21.0C	SZ	999.9	9999.9	23.8	
		eP	51 21	LZ	22	22.5U		
		ePPP	52 30	LZ	20	13.0U		
		eS	55 40	SR	2.5	2702.4		
		eL	55 50	LZ	999 9	9999.9		
4	MN=	eP	17 52 16.4	SZ	2.2	261.9	29.9	5.65
		iP	52 17 D	LZ	23	9999.9		
		e	52 23	SZ	1.2	47.7		
		ePP	53 02	SZ	1.0	40.0		
		ePCP	55 00	LZ	21	4755.0		
		eSS	58 33	LR	999 9	9999.9		
		eL	59 18	SR	4.0	529.6		
4	RK=	eP	17 53 03.5	SZ	1.0	,	35.4	
		eP	53 06	LZ	11			
		e	53 10	SZ	0.9			
		eL	58 43	LZ	17 5			
		eL	18 03 33	SZ	4.5			
4	HW=	eP	17 53 12.8	SZ	1.4	396.8	36.3	6.05
		eP	53 13	LZ	23	2673.8		
		ePP	54 22	LZ	13	4628.4		
		e	58 58	LZ	18	12.3U		
		eL	18 01 19	LT	999 9	9999.9U		
4	LC=	eP	17 53 48.5	SZ	1.4	88.5	40.6	5.30
		iP	53 51 D	LZ	22	9999.9		
		e	53 56	SZ	2.0	673.0		
		eL	18 09 20	SZ	16.0	56.8U		
4	JE=	eP	17 55 04.0	SZ	0.6	83.6	49.1	5.91
		eP	55 04	LZ	15	8454.3		
		ePCP	56 24	LZ	13	7471.6		
		e	18 02 04	LZ	20	7699.2		
		eL	14 05	SR	5.0	2916.8		
4	DH=	eP	17 55 08.1	SZ	1.0	27.8	50.8	5.16
		eP	55 10	LZ	15	4745.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
			..	..	..	..		
		e	55 14	SZ	1.4	242.9		
		eL	18 02 22	LT	999 9	9999.9		
		eL	13 26	SR	3.0	781.3		
							AVG.	5.61
4		17 59 43.3	56.4 N 154.5 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.50 CGS					
4	MN-	eP	18 05 52.1	SZ	0.7	21.9	30.0	5.07
4	RK-	eP	18 06 39.8	SZ	0.6	*	35.5	
		e	06 46	SZ	0.8			
4	LC-	eP	18 07 24.0	SZ	1.1	85.4	40.7	5.39
		e	07 32	SZ	0.9	44.3		
		eL	23 38	SZ	1.0	24.3		
4	JE-	eP	18 08 33.2	SZ	0.7	19.9	49.1	5.22
		e	08 41	SZ	0.7	54.7		
4	DH-	eP	18 08 45.1	SZ	1.3	89.1	50.9	5.56
		e	09 18	SZ	1.1	171.7		
		eL	27 15	SR	3.5	1997.4		
							AVG.	5.31
4	MN-	eP	18 12 34.1	SZ	1.2	18.8		
4		18 15 52.4	56.2 N 154.5 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.00 CGS					
4	NP-	eP	18 21 05.4	SZ	1.0	150.9	23.9	5.45
		eS	25 31	SR	1.5	66.8		
4	MN-	eP	18 22 05.8	SZ	0.9	13.8	29.9	4.76
4	RK-	eP	18 22 47.4	SZ	0.9	*	35.5	
4	JE-	eP	18 24 45.5	SZ	0.9	84.6	49.1	5.74
							AVG.	5.31
4		18 18 02.*	19.7 S 175.3 W TONGA ISLANDS H= 57 KM MAG 4.30 CGS					
4	NP-	ePP	18 35 55	SZ	1.0	25.4	101.5	
4	NP-	eP	18 39 30.9	SZ	0.7	3.8		
4	NP-	e	18 39 35	SZ	0.9	14.0		
4	NP-	e	18 40 44	SZ	0.7	5.1		
4		18 41 28.*	56.4 N 153.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	NP-	eP	18 46 33.6	SZ	1.1	18.4	23.4	4.47
		e	46 39	SZ	0.8	14.7		
4	MN-	eP	19 00 46.8	SZ	0.6	9999.9		
4		20 01 44.8	59.5 N 147.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.80 CGS					
4	NP-	eP	20 06 08.6	SZ	0.8	7.3	19.5	4.00
		e	06 14	SZ	0.9	19.2		
4	RK-	eP	20 08 02.6	SZ	0.8	*	31.2	
4	LC-	eP	20 09 05.4	SZ	1.3	19.7	38.3	4.73
							AVG.	4.36
4	MN-	eP	21 36 55.9	SZ	0.4	2.5	1.9	
		eS	37 22	SR	0.5	4.5		
4		21 38 14.	10.5 N 122.1 E OFF WEST COAST NEGROS, P.I. H= 33 KM MAG 5.30 CGS					
4	NP-	eP	21 50 53.7	SZ	1.2	29.5	86.4	5.27
		e	51 10	SZ	1.0	19.6		
4		22 16 54.5	59.4 N 145.2 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 5.10 CGS					
4	NP-	eP	22 21 19.2	SZ	1.6	95.3	19.2	4.79
		eP	21 23	LZ	13	4458.4		
		e	25 00	LZ	15	6377.8		
		eL	25 02	SZ	5.0	2543.4		
		eL	28 39	LT	13	28.2U		
4	MN-	eP	22 22 40.0	SZ	2.2	193.0	27.2	5.44
		eP	22 42	LZ	12	583.1		
		eS	27 30	LR	13	2388.8		
		eL	29 26	LT	21	5315.9		
		eLR	30 48	LZ	19	3761.5		
		eL	34 55	SZ	8.0	2166.7		
4	RK-	eP	22 23 03.8	SZ	1.0	*	30.0	
		eL	29 04	LZ	13			
		eL	31 26	SR	2.7	73.9		
4	LC-	eP	22 24 08.2	SZ	3.0	295.3	37.2	5.51
		eS	30 04	LR	16	1340.9		
		e	32 53	LR	18	1091.0		
		eL	35 07	LT	22	2081.0		
4	HW-	e	22 30 57	LZ	16	1640.9	40.1	
		eL	35 23	LZ	24	3473.8		
4	DH-	eS	22 32 03	LR	14	1452.3	45.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	34 53	LR	17.0	1207.7		
		eLQ	38 38	LR	33	1578.5		
		eLR	40 22	LR	19	5887.6		
4	JE-	eL	22 41 06	LT	16	13.8U	44.6	
		eL	41 45	SR	5.5	8896.5		
							AVG.	5.24
4	MN-	eP	22 21 23.5	SZ	0.4	.8	2.8	
		e	21 26	SZ	0.6	6.8		
		eS	21 58	SR	0.7	6.4		
4	MN-	eP	22 26 00.5	SZ	0.6	4.1	2.7	
		eS	26 33	SR	0.6	3.9		
4	NP-	eP	23 43 12.1	SZ	0.5	9.3		
5	00 16 42.*		58.4 N 152.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
5	01 22 13.3		56.2 N 153.5 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.40 CGS					
5	NP-	iP	01 27 24.3C	SZ	0.5	110.1	23.7	5.61
		eP	27 25	LZ	20	9070.8		
		e	29 36	SZ	1.5	174.2		
		eS	31 39	ST	2.0	343.5		
		eS	31 42	LT	20	29.4U		
		eLQ	34 10	LT	28	28.6U		
		eLR	37 29	LZ	22	14.6U		
5	MN-	eP	01 28 15.9	SZ	0.9	41.6	29.4	5.23
		eP	28 16	LZ	19	4333.6		
		ePP	29 00	SZ	0.8	7.8		
		e	30 49	SZ	2.0	114.5		
		ePCP	31 25	SZ	0.8	10.3		
		eS	33 09	LT	19	3079.3		
		eS	33 09	LR	15	2680.7		
		ePCS	34 45	LT	20	3010.7		
		eSCP	35 02	SZ	1.4	31.7		
		eL	35 57	LT	20	9999.9		
		eL	37 18	SZ	17.0	49.8U		
5	RK-	eP	01 29 04.6	SZ	0.9	9.5	35.0	4.72
		eP	29 10	LZ	17	1770.1		
		ePCP	31 45	SZ	1.0	27.2		
		e	34 55	LZ	21	4313.6		
		e	37 22	LZ	18	6143.8		
		eL	39 00	LZ	19	9999.9		
		eL	40 28	SR	16.5	24.2U		
		eLR	40 32	LZ	21	9999.9U		
5	HW-	eP	01 29 20	LZ	19	2120.2	36.2	
		ePP	30 50	LZ	17	1811.3		
		eS	35 00	LR	19	4383.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	35 00	LT	22.0	4043.7		
		eSS	37 30	LT	19	10.0U		
		eL	39 00	LZ	24	11.4U		
5	LC-	eP	01 29 48.1	SZ	1.4	152.6	40.1	5.49
		eP	29 50	LZ	20	190.5		
		ePP	31 11	LZ	18	2243.6		
		ePCS	35 49	LT	21	9999.9		
		eLQ	38 56	LT	999 9	9999.9		
		eLR	44 40	LZ	18	1390.9		
		eL	44 47	SZ	16.0	31.2U		
5	JE-	eP	01 30 56.5	SZ	0.8	41.8	48.6	5.51
		eP	31 01	LZ	17	2809.3		
		ePP	33 05	LZ	16	4262.5		
		eS	37 58	LR	20	18.0U		
		eS	37 58	LT	20	4555.6		
		eSS	41 23	LR	19	6558.6		
		eLQ	46 10	LT	24	10.2U		
		eLR	51 10	LZ	16	9999.9U		
5	DH-	eP	01 31 10.8	SZ	0.8	21.9	50.4	5.15
		eP	31 19	LZ	16	557.6		
		ePP	33 20	LZ	16	1152.3		
		eS	38 25	LR	24	7895.9		
		eS	38 25	LT	19	4233.1		
		e	42 24	LR	20	5810.7		
		eL	49 40	LR	24	9999.9		
							AVG.	5.28
5	01 36 54.*		58.4 N 151.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
5	NP-	eP	01 41 52.4	SZ	0.7	9.0	21.2	4.22
5	01 41 45.		56.2 N 153.3 W PRINCE WILLIAM SOUND, ALASKA H= 35 KM MAG 5.20 CGS					
5	NP-	iP	01 46 54.4C	SZ	0.6	99.7	23.6	5.47
		e	51 25	ST	2.6	798.0		
5	MN-	iP	01 47 46.4D	SZ	1.1	33.9	29.3	5.03
		ePCP	50 49	SZ	1.0	14.1		
		eSCP	54 32	SZ	1.3	19.2		
		eL	57 25	SR	17.0	27.5U		
5	RK-	eP	01 48 34.8	SZ	1.0	24.7	34.9	5.09
		e	48 41	SZ	1.1	79.4		
		ePCP	51 06	SZ	0.8	8.7		
		eL	02 01 34	LZ	17	30.5U		
		eL	02 25	SZ	15.0	18.4U		
5	LC-	eP	01 49 18.8	SZ	1.1	50.6	40.0	5.13
		e	49 26	SZ	1.0	76.9		
		ePCP	51 29	SZ	0.9	7.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	02 03 21	LZ	18.0	1415.7		
		eL	04 15	SR	16.5	27.2U		
5	JE=	eP	01 50 26.9	SZ	0.9	46.6	48.4	5.50
5	DH=	eP	01 50 39.7	SZ	0.7	23.0	50.3	5.23
							AVG.	5.24
5	01 44 50.3		36.4 N 139.9 E CENTRAL HONSHU, JAPAN H= 67 KM MAG 4.70 CGS					
5	MN=	eP	01 56 15.2	SZ	999.9	9999.9		
5	02 36 10.8		60.1 N 145.8 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.90 CGS					
5	NP=	eP	02 40 29.0	SZ	0.8	7.3	18.6	3.94
5	MN=	eP	02 42 01.6	SZ	0.7	4.9	27.8	4.40
		ePCP	45 16	SZ	0.7	1.2		
5	RK=	eP	02 42 22.9	SZ	0.8	11.7	30.2	4.77
		ePCP	45 21	SZ	0.8	2.9		
5	LC=	eP	02 43 29.4	SZ	1.0	7.6	37.8	4.42
							AVG.	4.38
5	03 47 57.*		56.7 N 151.3 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.60 CGS					
5	NP=	eP	03 52 59.2	SZ	0.9	21.0	22.8	4.60
5	RK=	eP	03 54 37.6	SZ	0.8	2.9	33.7	4.24
5	LC=	eP	03 55 24.3	SZ	0.7	1.2	39.1	3.73
							AVG.	4.19
5	03 55 34.*		59.7 N 146.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
5	04 11 48.*		59.9 N 148.0 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS					
5	NP=	eP	04 16 13.1	SZ	0.7	14.1	19.2	4.32
5	MN=	eP	04 17 46.5	SZ	0.6	.6	28.6	3.64
5	LC=	eP	04 19 14.4	SZ	1.0	2.5	38.7	3.88

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	3.94
5	MN=	eL	04 19 46	LZ	20	959.9		
5	04 57 15.4		60.1 N 147.7 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 4.10 CGS					
5	NP=	eP	05 01 36.5	SZ	0.9	7.0	19.0	3.90
5	MN=	eP	05 03 17.6	SZ	0.9	1.9	28.6	3.91
							AVG.	3.90
5	05 30 13.*		14.2 N 91.6 W GUATEMALA H=111 KM MAG 4.00 CGS					
5	JE=	eP	05 34 10.6	SZ	0.8	17.9	17.5	4.37
5	LC=	eP	05 35 05.2	SZ	0.6	3.7	22.7	3.93
5	MN=	eP	05 36 46.1	SZ	0.7	2.4	33.7	4.13
		e	37 00	SZ	0.9	3.8		
							AVG.	4.14
5	07 13 24.4		56.5 N 154.7 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.20 CGS					
5	NP=	iP	07 18 35.8C	SZ	0.9	124.2	23.6	5.41
		e	19 00	SZ	0.9	26.2		
		e	19 33	SZ	1.1	29.9		
		ePCP	22 17	SZ	0.8	2.9		
		e	23 04	SR	1.5	32.8		
5	LC=	eP	07 21 05.8	SZ	0.7	1.2	40.8	3.77
		eL	34 35	LR	21	128.2		
5	MN=	eL	07 28 45	LZ	24	486.9	30.1	
5	RK=	eL	07 33 21	LZ	23	316.1	35.5	
							AVG.	4.59
5	07 29 03.5		60.4 N 146.7 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS					
5	NP=	eP	07 33 20.4	SZ	0.7	7.7	18.5	4.01
5	MN=	eP	07 34 48.9	SZ	1.0	5.0	28.4	4.27
5	RK=	eP	07 35 18.2	SZ	0.7	2.4	30.6	4.18

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	DH-	eL	07 52 43	LR	19.0	329.2	45.9	
							AVG.	4.15
5	07 44 51.*		60. N 144.8 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.20 CGS					
5	NP-	eP	07 49 07.0	SZ	0.7	3.8	18.6	3.72
		eL	55 03	LT	19	635.1		
5	MN-	eLQ	07 57 19	LT	23	480.2	27.4	
		eLR	58 28	LZ	22	967.2		
5	RK-	eL	08 00 54	LZ	23	974.6	29.7	
5	LC-	eL	08 03 32	LR	20	331.8	37.3	
5	DH-	eLQ	08 09 00	LR	17	1243.5	45.0	
		eLR	12 23	LZ	15	4188.7		
5	JE-	eL	08 09 44	LT	17	4192.8	44.6	
5	08 13 12.4		56.9 N 152.0 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.50 CGS					
5	NP-	eP	08 18 14.7	SZ	0.9	84.0	22.7	5.21
		e	22 39	SR	1.6	38.5		
5	MN-	eP	08 19 12.0	SZ	0.9	5.1	28.9	4.33
		eL	27 35	LZ	19	318.0		
5	RK-	eP	08 19 58.6	SZ	0.7	3.6	34.0	4.41
5	LC-	eP	08 20 44.5	SZ	1.0	11.5	39.5	4.50
		eL	34 00	LR	19	180.8		
							AVG.	4.61
5	08 59 02.*		56.2 N 154.5 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.70 CGS					
5	NP-	eP	09 04 16.7	SZ	0.6	17.7	23.9	4.75
		e	04 23	SZ	0.8	53.0		
		e	08 32	SZ	1.5	8.7		
5	RK-	eP	09 05 59.3	SZ	0.8	7.3	35.5	4.62
5	LC-	eP	09 06 43.5	SZ	1.0	7.6	40.6	4.37
		ePCP	08 44	SZ	0.8	2.2		
5	MN-	eL	09 14 11	LZ	15	38.4	29.9	
							AVG.	4.58
5	10 22 12.*		60. N 149.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.80 CGS					
5	10 41 01.*		25. S 68.4 W CHILE ARGENTINA BORDER H= 92 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	LC-	eP	10 51 50.0	SZ	0.7	1.2	67.7	3.92
5	RK-	eP	10 52 54.1	SZ	0.8	8.7	78.7	4.66
5	DH-	eL	11 03 17	LR	28	312.3	67.2	
							AVG.	4.29
5	11 18 38.9		41.9 S 83.7 W OFF COAST OF SOUTHERN CHILE H= 33 KM MAG 5.30 CGS					
5	JE-	eP	11 30 11.5	SZ	0.9	23.3	73.7	5.17
		eL	54 56	LZ	28	426.2		
5	LC-	eP	11 30 30.0	SZ	1.4	61.0	76.9	5.44
		eL	56 25	LR	21	171.0		
5	MN-	eP	11 31 17.6	SZ	2.2	189.8	85.9	5.78
		eL	59 58	LZ	27	300.3		
5	RK-	eP	11 31 47.5	SZ	0.8	8.7	92.8	5.19
		eL	12 06 02	LZ	25	215.5		
5	HW-	eL	12 01 26	LZ	21	697.5	90.5	
							AVG.	5.39
5	12 30 04.*		58.9 N 154.3 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 4.10 CGS					
5	12 59 15.*		61.4 N 147.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.60 CGS					
5	NP-	eP	13 03 20.7	SZ	0.7	2.5	17.6	3.50
5	DH-	eP	13 22 44.0	SZ	0.4	6.3		
5	DH-	eL	13 24 31	SR	0.5	18.0		
5	13 30 55.*		56.3 N 150.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
5	NP-	eP	13 36 00.0	SZ	0.8	5.8	23.0	4.10
5	MN-	eL	13 44 00	LZ	20	307.1	27.9	
5	LC-	eL	13 50 31	LR	23	203.0	38.5	
5	13 44 17.*		56.3 N 153.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
5	NP-	eP	13 49 23.9	SZ	0.7	5.1	23.5	4.12

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5			13 48 47.3	60.2 N 145.6 W PRINCE WILLIAM SOUND; ALASKA H= 15 KM MAG 4.10 CGS				
5			14 05 40.*	57.6 N 150.1 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 3.60 CGS				
5			15 21 47.*	60.7 N 149.1 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 3.80 CGS				
5	NP-	eP	15 26 02.1	SZ	0.7	5.1	18.6	3.86
5			15 49 30.*	56. N 154.3 W PRINCE WILLIAM SOUND; ALASKA H= 25 KM MAG 4.10 CGS				
5	NP-	eP	15 54 51.6	SZ	1.0	7.8	24.0	4.17
5	MN-	eL	16 03 39	LZ	21	225.6	29.7	
5			16 49 04.*	58.7 N 151.7 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 4.40 CGS				
5	NP-	eP	16 53 46.6	SZ	0.5	1.8	21.0	3.67
		e	53 50	SZ	0.8	28.0		
5	LC-	eP	16 56 40.0	SZ	1.0	6.4	40.0	4.25
							AVG.	3.96
5			17 16 10.*	55.9 N 149.9 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 4.10 CGS				
5	NP-	eP	17 21 17.0	SZ	0.7	5.1	23.3	4.11
5	LC-	eL	17 35 42	LR	25	155.7	38.1	
5			17 40 43.1	56.3 N 152.9 W PRINCE WILLIAM SOUND; ALASKA H= 10 KM MAG 4.90 CGS				
5	NP-	eP	17 45 53.2	SZ	0.9	12.2	23.5	4.42
		e	50 19	ST	1.6	162.4		
		eL	50 47	ST	1.9	87.2		
		eL	53 00	LT	15	1405.7		
5	MN-	eP	17 46 47.2	SZ	0.8	5.9	29.1	4.45
5	RK-	eP	17 47 34.0	SZ	0.8	10.2	34.6	4.80
5	LC-	eP	17 48 19.7	SZ	1.0	7.6	39.8	4.31
		eL	18 02 54	LZ	19	362.1		
							AVG.	4.49

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5			17 42 07.4	59.6 N 144.9 W PRINCE WILLIAM SOUND; ALASKA H= 15 KM MAG 5.10 CGS				
5	MN-	eP	17 47 52.0	SZ	1.4	51.5	27.2	5.06
		ePCP	51 12	SZ	0.8	4.9		
5	RK-	eP	17 48 14.0	SZ	0.8	27.8	29.8	5.12
		ePCP	51 17	SZ	0.8	2.9		
		eL	57 13	LZ	12	558.6		
5	LC-	eP	17 49 20.0	SZ	1.1	17.4	37.2	4.73
							AVG.	4.97
5	NP-	eP	18 17 33.5	SZ	0.7	2.5		
5			19 28 18.1	60.2 N 146.7 W PRINCE WILLIAM SOUND; ALASKA H= 15 KM MAG 5.80 CGS				
5	NP-	eP	19 32 35.0	SZ	0.8	76.6	18.7	4.97
		eP	32 35	LZ	17	1533.8		
		e	33 27	SZ	1.7	415.9		
		e	36 05	SZ	1.6	95.3		
		e	36 07	LZ	19	3159.1		
		eLQ	37 55	LT	25	3769.1		
		e	39 37	SZ	2.5	881.5		
		eLR	40 41	LZ	14	6359.5		
		eL	40 50	SZ	9.5	20.3U		
5	MN-	eP	19 34 13.8	SZ	1.4	138.8	28.3	5.57
		ePCP	37 36	SZ	1.4	59.5		
		e	38 24	SR	1.5	49.4		
		eS	38 52	LR	20	1036.1		
		eS	39 03	SR	3.0	185.3		
		eL	42 41	LZ	18	5005.6		
5	RK-	eP	19 34 33.4	SZ	1.4	253.4	30.6	5.89
		eP	34 35	LZ	15	662.0		
		ePCP	37 30	SZ	1.0	34.6		
		eL	40 00	LZ	24	1644.4		
		eL	44 37	SR	1.8	168.3		
5	LC-	eP	19 35 40.8	SZ	1.3	130.6	38.3	5.51
		eP	35 45	LZ	15	202.7		
		e	35 46	SZ	1.4	115.9		
		ePCP	37 52	SZ	1.2	19.7		
		eS	41 39	LT	19	799.9		
		eS	41 39	LR	23	862.9		
		eLQ	44 40	LT	19	895.5		
		eLR	49 31	LZ	20	1615.6		
5	HW-	eP	19 36 00.0	SZ	0.8	77.1	40.7	5.47
		eL	46 54	LZ	22	1293.7		
5	JE-	eP	19 36 39.6	SZ	1.0	111.1	45.6	5.78
		eP	36 40	LZ	13	1128.0		
		e	42 46	LR	20	1117.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	46 48	LR	21.0	9122		
		eLQ	53 10	LT	20	12.3U		
		eL	53 27	SZ	5.0	2681.1		
		eLR	56 00	LZ	15	6780.8		
5	DH-	eP	19 36 41.6	SZ	1.9	618.4	45.9	6.27
		eP	36 42	LZ	15	460.7		
		ePP	38 28	LZ	17	339.9		
		eS	43 39	LT	16	789.0		
		eS	43 39	LR	18	376.8		
		eSS	47 02	LT	16	462.5		
		eLQ	52 01	LR	18	4993.4		
		eL	52 05	SR	2.4	314.7		
		eL	53 30	LR	20	6822.5		
		eL	53 30	LT	19	4210.9		
		eL	53 30	LZ	20	1520.7		
		eLR	55 30	LZ	19	6843.5		
							AVG.	5.63
5	19 50 41.3		57. N 152.3 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.40 CGS					
5	NP-	eP	19 55 41.9	SZ	0.7	3.8	22.7	3.98
		e	55 44	SZ	0.9	35.0		
5	RK-	eP	19 57 25.3	SZ	0.8	2.9	34.1	4.25
5	LC-	eP	19 58 14.0	SZ	1.0	2.5	39.7	3.85
							AVG.	4.02
5	NP-	eP	20 18 22.4	SZ	0.6	2.2		
5	21 26 32.1		60.6 N 145.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.00 CGS					
5	NP-	eP	21 30 46.1	SZ	0.9	3.5	18.1	3.52
		e	31 12	SZ	0.9	17.5		
		eL	37 42	SZ	0.7	3.8		
5	RK-	eP	21 32 49.2	SZ	0.8	5.8	30.1	4.45
5	JE-	eL	21 50 21	LT	23	1838.9	45.1	
							AVG.	3.98
5	22 22 45.		28.1 S 178.2 W KERMADEC ISLANDS H= 31 KM MAG 4.50 CGS					
6	01 22 44.*		23.4 S 180.0 FIJI ISLANDS REGION H=568 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	MN-	eP	01 34 19.0	SZ	1.1	67.8	84.5	5.19
6	01 51 49.*		59.4 N 146.8 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.30 CGS					
6	NP-	eP	01 56 15.5	SZ	1.0	11.7	19.5	4.09
6	MN-	eP	01 57 39.5	SZ	1.2	112.7	27.8	5.52
6	RK-	eP	01 58 03.6	SZ	0.5	,	30.8	
6	JE-	eL	02 17 28	LZ	14	142.4	45.4	
							AVG.	4.80
6	02 34 37.*		19. S 175.5 W TONGA ISLANDS H=177 KM MAG 4.20 CGS					
6	02 37 57.*		46.5 N 10.1 E NORTHERN ITALY H= 33 KM					
6	RK-	e	02 54 30	LZ	19.0	703.1		
6	RK-	eLQ	02 58 10	LZ	33	829.8		
6	RK-	eLR	03 00 00	LZ	22	1193.9		
6	04 57 32.*		56.8 N 151.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
6	NP-	eP	05 02 35.0	SZ	1.0	15.6	22.7	4.41
		e	02 43	SZ	0.8	11.7		
6	NP-	eP	05 28 11.0	SZ	0.6	5.5		
6	NP-	e	05 28 20	SZ	0.9	7.0		
6	NP-	eP	05 35 25.5	SZ	0.8	2.9		
6	NP-	eP	07 20 59.0	SZ	0.7	7.7		
6	NP-	eP	07 24 31.4	SZ	0.9	14.0		
6	NP-	eP	07 30 00.0	SZ	0.5	1.8		
6	DH-	eP	07 45 08.2	SZ	999.9	9999.9	.5	
6	MN-	eP	07 45 08.8	SZ	0.5	86.3	.5	
6	DH-	eS	07 45 17	SR	0.4	13.0	.5	
6	MN-	eS	07 45 17	ST	0.3	136.1	.5	
6	LC-	eL	08 10 20	LZ	30	152.5		
6	08 21 25.*		57.4 N 152.3 W PRINCE WILLIAM SOUND, ALASKA H= 5 KM MAG 4.80 CGS					
6	NP-	eP	08 26 24.5	SZ	0.7	69.6	22.3	5.22
		e	30 42	SZ	1.5	8.7		
6	MN-	eP	08 27 29.7	SZ	0.9	38.0	29.3	5.22

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	RK-	eP	08 28 10.5	SZ	0.9	*	34.0	
		eLR	41 35	LZ	18	273.2		
6	LC-	eP	08 29 01.0	SZ	1.0	11.6	39.8	4.48
							AVG.	4.97
6	09 03 12.9		59.5 N 145.3 W PRINCE WILLIAM SOUND. ALASKA					
			H= 15 KM MAG 4.40 CGS					
6	NP-	eP	09 07 35.1	SZ	0.6	2.6	19.1	3.66
6	MN-	eP	09 09 03.4	SZ	1.0	40.2	27.3	5.11
							AVG.	4.38
6	09 16 34.*		46.8 N 152.6 W PRINCE WILLIAM SOUND. ALASKA					
			H= 30 KM MAG 4.30 CGS					
6	09 29 32.*		59.7 N 146.6 W PRINCE WILLIAM SOUND. ALASKA					
			H= 33 KM MAG 3.80 CGS					
6	10 42 36.3		59.9 N 145.6 W PRINCE WILLIAM SOUND. ALASKA					
			H= 15 KM MAG 4.80 CGS					
6	NP-	eP	10 46 54.6	SZ	0.9	59.5	18.8	4.82
		e	50 26	SZ	1.2	16.1		
		eL	50 40	LZ	10	2049.1		
6	MN-	eP	10 48 25.5	SZ	0.9	201.4	27.6	5.88
		eS	53 21	LR	13	1062.4		
		eLR	56 41	LZ	23	1882.8		
		eL	11 02 13	LR	13	5859.9		
		eL	02 13	LZ	12	7194.0		
		eL	02 13	LT	13	1093.5		
6	RK-	eP	10 48 45.5	SZ	1.1	*	30.1	
		eL	58 20	SZ	3.0			
6	LC-	ePP	10 51 30	LZ	17	221.0	37.6	
		ePCS	56 00	LR	18	512.9		
		eL	11 00 40	LT	25	500.2		
6	JE-	e	10 57 35	LZ	18	225.8	45.0	
		eL	11 01 20	LT	17	815.9		
							AVG.	5.35
6	DH-	eP	10 48 25.5	SZ	1.2	35.8		
6	10 56 29.*		59.8 N 147.9 W PRINCE WILLIAM SOUND. ALASKA					
			H= 33 KM MAG 4.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	NP-	eP	11 00 53.0	SZ	0.8	11.7	19.3	4.20
6	MN-	eP	11 02 26.0	SZ	1.0	45.7	28.5	5.19
							AVG.	4.69
6	10 59 05.9		56.3 N 154.4 W PRINCE WILLIAM SOUND. ALASKA					
			H= 33 KM MAG 4.20 CGS					
6	NP-	eP	11 04 15.7	SZ	0.5	28.0	23.8	5.01
6	12 07 54.*		58.2 N 150.6 W PRINCE WILLIAM SOUND. ALASKA					
			H= 20 KM MAG 4.10 CGS					
6	NP-	eP	12 12 40.0	SZ	0.5	1.8	21.0	3.67
		e	12 43	SZ	4.5	206.7		
6	MN-	eP	12 13 52.8	SZ	1.0	36.6	28.8	5.12
6	RK-	eP	12 14 28.0	SZ	1.0	*	32.9	
							AVG.	4.39
6	DH-	eP	12 17 15.0	SZ	0.2	5.5	.6	
6	MN-	eP	12 17 15.0	SZ	0.2	69.7	.6	
6	DH-	eS	12 17 25	SR	0.2	18.0	.6	
6	MN-	eS	12 17 25	SR	0.4	121.1	.6	
6	MN-	eP	13 11 13.4	SZ	0.2	78.4	.2	
		eS	11 18	SR	0.2	132.0		
6	DH-	eP	13 12 13.5	SZ	999.9	9999.9	.2	
		eS	12 18	SR	999.9	9999.9		
6	13 45 10.5		52.5 N 173.9 W ANDREANOF ALEUTIAN ISLANDS					
			H=115 KM MAG 4.70 CGS					
6	NP-	eP	13 51 22.5	SZ	0.9	38.5	31.4	5.13
6	MN-	eP	13 52 40.3	SZ	0.6	38.3	40.5	5.36
6	RK-	eP	13 53 32.2	SZ	0.5	*	47.3	
		e	54 58	SZ	0.5			
6	LC-	eP	13 54 06.5	SZ	0.5	3.9	51.6	4.62
		e	54 30	SZ	1.0	7.7		
							AVG.	5.03
6	DH-	eP	13 53 40.2	SZ	0.7	3.7		
6	NP-	eP	14 16 15.5	SZ	0.9	3.5		
6	NP-	e	14 16 21	SZ	0.6	17.7		
6	14 50 57.3		56.7 N 152.1 W PRINCE WILLIAM SOUND. ALASKA					
			H= 33 KM MAG 4.00 CGS					
6	NP-	eP	14 55 59.0	SZ	0.8	3.5	22.9	3.87
6	JE-	eP	14 59 20	LR	55	15.6U	47.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6			58.1 N 154.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.80 CGS					
6	15 01 32.*							
6	NP-	eP	15 06 25.2	SZ	0.5	.7	22.1	3.35
		e	06 29	SZ	0.5	10.2		
6	15 12 28.7		21.8 S 68.8 W NORTHERN CHILE H=114 KM MAG 4.20 CGS					
6	RK-	eP	15 24 32.0	SZ	0.7	.		
6	15 29 05.*		60.4 N 146.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
6	DH-	eLR	15 53 20	LR	14.0	580.8	45.8	
6	16 00 29.*		56.4 N 152.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
6	NP-	eP	16 05 33.0	SZ	0.5	1.8	23.3	3.82
6	16 07 48.3		5.4 N 75.8 W COLOMBIA H= 54 KM MAG 4.10 CGS					
6	RK-	eP	16 16 20.1	SZ	0.9	.	47.7	
6	16 10 52.2		45.2 N 150.9 E KURILE ISLANDS H= 33 KM MAG 4.50 CGS					
6	NP-	eP	16 19 16.5	SZ	0.5	6.5	46.6	4.89
6	MN-	eP	16 21 34.2	SZ	1.0	45.7	64.6	5.56
6	RK-	eP	16 21 56.0	SZ	0.6	.	69.2	
							AVG.	5.22
6	DH-	eP	16 38 36.2	SZ	0.2	2.3	.6	
		eS	38 44	SR	0.3	5.2		
6	LC-	eP	16 47 21.5	SZ	0.5	2.9	2.3	
		eS	47 52	ST	0.5	8.4		
6	16 50 42.*		57.5 N 154.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
6	NP-	eP	16 55 40.0	SZ	0.6	5.5	22.7	4.18
6	NP-	eP	17 04 36.5	SZ	0.5	.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	NP-	eP	17 14 30.0	SZ	0.4	.9		
6	17 35 50.6		59.9 N 147.8 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.90 CGS					
6	NP-	e	17 40 00	SZ	0.4	1.2	19.2	
		e	40 15	SZ	0.9	24.5		
		e	40 22	SZ	0.7	56.7		
		e	41 19	SZ	1.0	23.5		
		eL	48 10	LZ	10	3415.3		
		eL	48 52	SZ	9.0	3834.0		
6	MN-	eP	17 41 48.5	SZ	0.9	66.2	28.5	5.44
		ePCP	44 59.0	SZ	1.0	122.7		
		eLQ	49 05	LR	28	1109.7		
		eLR	50 44	LZ	18	1583.4		
		eL	50 44	LR	17	1285.9		
		eL	50 44	LT	24	334.5		
6	RK-	eP	17 42 10.5	SZ	1.2	.	31.2	
6	LC-	eP	17 43 15.3	SZ	1.1	22.4	38.6	4.79
		eLQ	52 20	LT	28	389.5		
		eLR	54 40	LT	28	409.0		
6	DH-	eLR	17 52 50	LZ	19	687.5	46.5	
							AVG.	5.11
6	RK-	e	17 43 40	LZ	24	1079.4		
6	18 03 56.4		56.4 N 151.8 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.70 CGS					
6	NP-	eP	18 09 04.4	SZ	1.1	27.6	23.2	4.66
6	MN-	eP	18 09 52.8	SZ	1.5	107.7	28.6	5.42
		eS	14 42	LR	20	579.3		
		eLR	18 06	LZ	18	2452.8		
		eL	21 15	LZ	14	10.7U		
		eL	21 15	LR	13	7886.2		
		eL	21 15	LT	14	1253.9		
6	LC-	eP	18 11 25.5	SZ	1.0	5.1	39.2	4.17
		eL	22 30	LZ	24	202.3		
6	RK-	eL	18 22 15	LZ	13	1150.6	34.0	
							AVG.	4.75
6	DH-	eP	18 09 52.6	SZ	0.7	1.2		
6	NP-	eP	18 31 08.0	SZ	0.5	1.4		
6	18 59 12.*		60. N 147.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
6	NP-	eP	19 03 31.0	SZ	1.0	3.9	18.9	3.62

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	JE-	eL	19 00 00	LZ	19.0	430.4		
6	JE-	eL	19 29 23	LZ	13	518.6		
6	19 40 44.5		56. N 153.9 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 4.20 CGS					
6	NP-	eP	19 45 57.6	SZ	1.0	17.6	23.9	4.52
		e	48 58	SZ	0.5	2.8		
6	MN-	eP	19 46 49.0	SZ	1.0	73.2	29.5	5.43
6	RK-	eP	19 47 43.5	SZ	0.9	.	35.3	
							AVG.	4.97
6	LC-	eP	20 20 09.2	SZ	999.9	9999.9	1.4	
		eS	20 28	ST	0.5	13.0		
6	NP-	eP	20 32 33.0	SZ	0.7	3.8		
6	NP-	eP	20 46 29.0	SZ	0.9	14.0		
6	NP-	eP	20 53 11.0	SZ	0.7	3.8		
6	DH-	eP	21 38 40.6	SZ	999.9	9999.9	.6	
6	MN-	eP	21 38 40.6	SZ	0.2	56.6	.5	
6	DH-	eS	21 38 49	SR	0.3	11.6	.6	
6	MN-	eS	21 38 49	ST	0.3	129.6	.5	
6	MN-	eP	22 47 10.0	SZ	1.0	36.6		
6	LC-	eP	22 47 39.0	SZ	1.0	3.8		
6	22 57 53.3		57.1 N 153.3 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.20 CGS					
6	NP-	eP	23 02 56.1	SZ	0.5	4.6	22.8	4.22
		e	02 58	SZ	1.0	27.4		
6	MN-	eP	23 36 55.0	SZ	0.2	95.9	.5	
		eS	37 04.0	ST	0.4	84.4		
6	DH-	eP	23 37 55.1	SZ	0.2	7.1	.5	
		eS	38 05	SR	0.4	8.0		
6	23 43 01.7		5.1 S 154.0 E NEW IRELAND REGION H=116 KM MAG 4.80 CGS					
6	MN-	eP	23 55 58.2	SZ	0.7	16.4	91.5	5.38
		e	56 32	SZ	1.0	109.8		
6	DH-	eP	23 56 58.0	SZ	0.6	.		
7	DH-	eP	01 00 25	LZ	37	2454.3		
7	RK-	eP	01 11 55.4	SZ	0.4	1.7		
7	01 43 28.7		58.5 N 154.5 W PRINCE WILLIAM SOUND. ALASKA H= 30 KM MAG 5.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	NP-	eP	01 48 18.0	SZ	0.7	22.5	21.7	4.66
		eS	52 30	LT	17	1996.8		
		eL	55 20	LZ	29	4875.9		
7	MN-	eP	01 49 44.6	SZ	0.7	5.8	30.8	4.54
		eS	54 40	LR	24	519.1		
		eLR	58 05	LZ	25	2281.8		
7	LC-	e	01 50 13	SZ	1.0	13.0	41.3	
		eS	57 35	LR	23	440.7		
		eL	02 00 54	LZ	18	527.0		
7	RK-	eP	01 50 18.8	SZ	0.5	2.8	34.9	4.45
		eL	59 35	LR	40	956.6		
7	JE-	eP	01 52 17.0	SZ	0.5	7.6	49.3	4.93
		eS	59 33	LR	20	745.2		
		e	02 03 20	LZ	18	942.1		
		eLQ	07 45	LR	30	876.6		
		eLR	10 00	LZ	27	1266.4		
7	DH-	eP	01 52 23.5	SZ	0.6	11.6	50.2	4.99
		eLQ	02 07 55	LT	30	1075.8		
		eLR	10 50	LZ	23	1236.8		
7	HW-	e	01 56 53	LZ	12	840.3	38.5	
		eL	02 01 05	LZ	24	1196.7		
							AVG.	4.71
7	03 17 43.*		59.6 N 145.5 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.00 CGS					
7	NP-	eP	03 22 12.3	SZ	0.5	2.7	19.1	3.76
7	RK-	eP	03 23 54.0	SZ	0.5	1.8	30.1	4.17
							AVG.	3.96
7	03 53 57.*		61.1 N 148.7 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.20 CGS					
7	04 35 18.6		58.3 N 149.7 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.70 CGS					
7	NP-	eP	04 40 06.7	SZ	0.8	25.8	21.0	4.61
7	RK-	eP	04 41 49.5	SZ	0.7	14.9	32.5	5.01
		e	41 55	SZ	0.9	17.3		
7	MN-	eLQ	04 46 25	LT	20	231.8	28.5	
		eLR	50 15	LZ	16	360.2		
7	LC-	eL	04 54 10	LT	25	282.9	38.8	
7	JE-	eL	05 02 55	LZ	20	260.1	46.7	
							AVG.	4.81

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	04 54 42.*		58.1 N 157.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					
7		NP- eP	04 59 40.5	SZ	0.7	15.0	22.7	4.55
7		RK- eP	05 01 44.5	SZ	0.6	10.4	36.5	4.84
		ePP	03 15	SZ	1.0	5.0		
7		LC- eP	05 02 38.2	SZ	0.8	1.5	42.6	3.80
		e	03 10	SZ	1.0	2.6		
							AVG.	4.39
7		NP- eP	05 06 55.7	SZ	0.6	10.7		
7	05 34 56.*		60. N 146.7 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.10 CGS					
7		NP- eP	05 39 17.0	SZ	1.0	9.5	18.9	3.99
7	06 02 00.*		60. N 145.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
7		NP- eP	06 06 16.5	SZ	0.9	13.6	18.7	4.18
7		RK- eP	06 08 07.0	SZ	0.7	3.7	30.2	4.31
7		MN- eL	06 16 10	LZ	17	555.9	27.7	
7		HW- eL	06 20 55	LZ	20	204.4	40.6	
7		LC- eL	06 22 20	LZ	19	264.3	37.7	
7		JE- eL	06 27 30	LR	15	1067.3	45.0	
							AVG.	4.24
7		MN- eP	08 00 12.0	SZ	0.3	.8	.6	
		eS	00 21	SR	0.4	2.3		
		eP	02 15.3	SZ	999.9	9999.9		
		eS	02 25	SR	999.9	9999.9		
7	08 03 13.7		58.2 N 152.2 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 4.40 CGS					
7		NP- eP	08 08 02.0	SZ	0.5	4.5	21.6	4.10
		e	08 06	SZ	0.4	30.0		
7		MN- eP	08 09 07.6	SZ	0.6	1.7	29.6	4.02
7		RK- eP	08 09 53.0	SZ	0.5	1.3	33.8	4.09
							AVG.	4.07
7	08 10 48.*		60. N 146.9 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
7		NP- eP	08 15 08.0	SZ	0.5	1.8	18.9	3.58
7	08 57 08.2		12.2 S 167.1 E NEW HEBRIDES ISLANDS H=260 KM MAG 4.70 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7		MN- eP	09 09 20.0	SZ	1.2	12.8	85.9	4.62
7	10 41 29.3		17.9 N 68.0 W MONA PASSAGE H= 98 KM MAG 4.10 CGS					
7		LC- eP	10 48 36.0	SZ	0.6	2.7	37.6	4.35
7		RK- eP	10 48 44.6	SZ	0.6	5.2	38.7	4.63
7		MN- eP	10 50 01.5	SZ	0.5	5.3	48.1	4.64
							AVG.	4.54
7		MN- eP	11 05 57.0	SZ	1.0	3.3		
7		MN- eP	12 53 52.0	SZ	0.4	3.4	1.3	
		eS	54 09	SR	0.3	7.3		
7		MN- eP	13 11 44.5	SZ	0.3	2.9	.1	
		eS	11 47	ST	0.3	7.5		
7	13 18 18.9		1 N 123.2 E NORTHERN CELEBES H=150 KM MAG 5.90 CGS					
7		HW- eP	13 30 24.5	SZ	0.7	129.7	81.6	5.82
7		NP- eP	13 31 31.0	SZ	1.0	38.1	96.2	5.78
7		MN- eP,	13 36 39.9	SZ	999.9	9999.9	112.1	
7		RK- eP,	13 36 53.5	SZ	0.4	70.6	120.4	
		epP,	37 38	SZ	0.7	26.1		
		ePKKP	47 00	SZ	0.6	3.1		
7		LC- eP,	13 37 01.0	SZ	1.0	50.7	123.0	
		ePKKP	46 51	SZ	0.7	1.2		
7		DH- eP,	13 37 22.0	SZ	0.9	64.2	134.8	
		e	37 37	SZ	0.8	16.4		
							AVG.	5.80
7		MN- eP	13 29 54.4	SZ	0.3	1.4	1.2	
		eS	30 12	ST	0.4	3.4		
7	14 22 30.1		6.8 S 155.1 E SOLOMON ISLANDS H= 35 KM MAG 4.60 CGS					
7		MN- eP	15 30 15.2	SZ	999.9	9999.9	.6	
		eS	30 23	SR	999.9	9999.9		
7	15 31 23.*		45.1 N 111.2 W SOUTHWESTERN MONTANA H= 33 KM MAG 3.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	DH=	eP	15 53 45.2	SZ	0.3	9.9	1.7	
		eS	54 10	SR	0.4	25.5		
7	16 19 59.*		60.7 N 148.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 3.80 CGS					
7	NP=	eP	16 24 17.6	SZ	0.9	10.2	18.4	4.03
7	16 28 38.*		59.6 N 145.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.20 CGS					
7	NP=	eP	16 32 57.5	SZ	0.7	12.5	19.0	4.29
7	DH=	eP	16 31 39.7	SZ	0.5	17.5	1.6	
		eS	32 04	SR	0.4	35.1		
7	DH=	eP	16 50 12.0	SZ	0.4	19.1		
7	LC=	eP	17 02 05.5	SZ	0.2	3.1	2.9	
		eS	02 43	ST	0.4	8.3		
7	17 50 09.4		2.2 N 83.2 W OFF WEST COAST OF COLOMBIA					
			H= 33 KM MAG 4.50 CGS					
7	NP=	eP	18 02 00.0	SZ	1.0	7.6	76.7	4.68
7	RK=	eL	18 10 20	LR	30	960.9	49.3	
7	JE=	e	17 52 23	LZ	28.0	1592.9		
7	NP=	eP	18 00 41.4	SZ	0.5	3.6		
7	18 02 24.7		57.3 N 151.1 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.80 CGS					
7	NP=	eP	18 07 21.2	SZ	1.2	130.7	22.2	5.23
		eL	11 35	LZ	14	1189.0		
7	MN=	eP	18 08 21.7	SZ	1.0	8.3	28.6	4.48
		eL	16 40	LZ	18	1616.2		
7	RK=	eP	18 09 03.2	SZ	1.0	12.5	33.4	4.78
		eL	17 40	LZ	34	1197.3		
7	LC=	eP	18 09 54.0	SZ	1.0	9.1	39.2	4.42
		e	19 15	LT	22	390.5		
		eL	20 10	LT	28	798.4		
7	JE=	eL	18 25 55	LZ	35	400.3	47.3	
7	DH=	eL	18 29 20	LR	20	145.3	48.8	
							AVG.	4.72

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	18 10 30.*		60.1 N 147.2 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM					
7	18 17 09.*		57. N 153.4 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.10 CGS					
7	NP=	eP	18 22 15.0	SZ	1.0	5.7	22.9	3.99
7	MN=	eP	18 30 36.2	SZ	0.3	.8	.9	
		eS	30 48	SR	0.5	9		
7	DH=	eP	18 31 00.8	SZ	0.3	5.3	1.4	
		eS	31 20	SR	0.4	19.1		
7	MN=	eP	18 31 38.6	SZ	999.9	9999.9	.6	
		eS	31 47	SR	0.4	7.7		
7	NP=	eP	19 01 26.5	SZ	0.5	2.7		
7	MN=	eP	19 07 09.5	SZ	999.9	9999.9	1.2	
		eS	07 24	ST	0.3	7.5		
7	19 09 04.*		38.5 N 118.7 W WALKER LAKE AREA, NEVADA					
			H= 15 KM MAG 4.10 CGS					
7	MN=	eP	19 09 15.2	SZ	999.9	9999.9	.4	
7	19 28 24.7		55.7 N 151.9 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 5.60 CGS					
7	NP=	eP	19 33 39.2	SZ	999.9	9999.9	23.9	
7	MN=	eP	19 34 20.0	SZ	999.9	9999.9	28.4	
		eS	39 05	LR	16	1505.7		
		eL	42 05	LZ	24	4146.5		
7	RK=	eP	19 35 11.5	SZ	0.8	68.0	34.3	5.62
		ePCP	37 45	SZ	0.8	11.8		
		eL	44 25	LZ	30	918.1		
7	LC=	eP	19 35 53.0	SZ	1.0	70.3	39.1	5.31
		eP	35 55	LZ	21	166.7		
		ePP	37 30	LZ	17	188.0		
		ePCS	41 55	LR	17	948.0		
		e	45 00	LT	17	351.4		
		eLQ	47 05	LT	21	723.7		
		eLR	47 55	LZ	30	841.0		
7	DH=	eP	19 37 17.2	SZ	0.9	85.6	49.7	5.70
7	JE=	eL	19 52 15	LZ	33	417.3	47.6	
							AVG.	5.54
7	MN=	eP	19 31 12.5	SZ	999.9	9999.9	1.3	
		eS	31 30	SR	0.3	11.0		
7	DH=	eP	19 54 21.2	SZ	0.2	8.8	1.6	
		eS	54 44	ST	0.4	18.4		
7	LC=	eP	20 27 00.0	SZ	0.4	10.7	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	27 20	ST	0.5	18.8		
7	DH-	eP	20 37 03.0	SZ	0.3	6.6		
7	NP-	eP	22 03 35.5	SZ	0.3	16		
7	NP-	e	22 03 38	SZ	1.0	7.6		
7	MN-	eP	22 21 12.2	SZ	0.2	6.3	.4	
		eS	21 19	SR	0.3	4.3		
7	NP-	eP	22 31 48.0	SZ	0.6	4.3		
7	NP-	eP	23 15 56.0	SZ	0.3	1.5		
7	23 25 40.7		51.4 N 168.5 W FOX ALEUTIAN ISLANDS H= 50 KM MAG 4.70 CGS					
7	NP-	eP	23 31 52.3	SZ	0.5	8.1	31.3	4.81
8	00 13 18.7		56.2 N 149.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
8	NP-	eP	00 18 24.9	SZ	0.6	8.8	22.9	4.40
8	LC-	eP	00 20 36.0	SZ	1.2	9.9	37.9	4.49
		eS	26 30	LT	18	102.0		
		eSS	29 25	LT	22	231.6		
		eLQ	30 50	LT	35	551.9		
		eLR	33 05	LZ	22	726.1		
8	MN-	eLQ	00 25 00	LR	44	512.9	27.3	
		eLR	26 55	LZ	20	1323.7		
8	RK-	eLQ	00 28 00	LR	33	391.4	32.8	
		eLR	29 42	LR	16	1568.3		
						AVG.		4.44
8	00 36 21.2		57.2 N 152.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.80 CGS					
8	NP-	eP	00 41 23.3	SZ	0.9	12.2	22.6	4.36
8	NP-	eP	01 12 22.3	SZ	0.7	10.3		
8	02 04 06.5		46.1 N 152.8 E KURILE ISLANDS H= 40 KM MAG 4.90 CGS					
8	MN-	eP	02 14 31.7	SZ	0.9	7.6	63.0	4.75
8	RK-	eP	02 15 00.5	SZ	0.8	4.4	67.7	4.60
		eL	39 55	LR	27	371.2		
8	HW-	eL	02 27 43	LZ	25	735.4	49.4	
8	DH-	eL	02 52 05	LZ	28	218.6	82.3	
						AVG.		4.67

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	02 10 36.1		46.1 N 152.8 E KURILE ISLANDS H= 40 KM MAG 4.30 CGS					
8	03 38 56.1		16. N 94.9 W NEAR COAST OF OAXACA, MEXICO H= 33 KM MAG 4.30 CGS					
8	LC-	eP	03 43 20.0	SZ	0.6	2.1	19.5	3.59
		eL	49 00	LT	999 9	9999.9		
8	MN-	eLQ	03 53 30	LT	16	2902.1	30.3	
		eLR	55 12	LZ	23	403.0		
8	04 00 01.1		60. N 149.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
8	04 35 18.*		59.4 N 147.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
8	04 56 53.2		9.7 N 125.6 E MINDANAO, PHILIPPINE ISLANDS H=126 KM MAG 5.00 CGS					
8	06 45 38.*		38.4 N 141.2 E NORTHERN HONSHU, JAPAN H= 33 KM MAG 4.00 CGS					
8	08 08 11.8		6.8 S 68.9 E CHAGOS ARCHIPELAGO REGION H= 33 KM MAG 5.70 CGS					
8	NP-	eP0	08 26 53.8	SZ	0.8	2.9	110.4	
8	MN-	eP01	08 27 53.5	SZ	1.0	9999.9	147.9	
		eL	09 10 14	LR	30	403.9		
8	LC-	eP0	08 28 04.3	SZ	0.7	1.2	154.2	
8	DH-	eL	09 12 50	LZ	50	769.3	132.4	
8	NP-	eP	09 19 54.5	SZ	0.8	2.9		
8	09 43 51.*		60.3 N 146.8 W PRINCE WILLIAM SOUND, ALASKA H= 5 KM MAG 4.20 CGS					
8	09 54 16.6		60.5 N 141.0 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	NP=	eP	09 58 20.5	SZ	0.8	4.4	17.5	3.66
8	MN=	eP	09 59 54.0	SZ	1.0	8.3	26.3	4.32
							AVG.	3.99
8			10 58 09.1	45.8 N 150.8 E KURILE ISLANDS H= 40 KM MAG 5.50 CGS				
8	NP=	iP	11 06 30.8C	SZ	1.5	148.1	46.0	5.71
		eP	06 36	LZ	19	1128.4		
		e	07 38	SZ	1.2	80.5		
		ePCP	08 06	SZ	1.0	49.0		
		ePCP	08 12	LZ	18	1092.8		
		e	12 23	SZ	1.6	42.3		
		eS	13 14	SR	3.0	329.7		
		eS	13 15	LR	15	4021.1		
		eSCS	16 22	SR	2.0	61.5		
		eSCS	16 24	LR	17	4895.9		
		e	16 46	SR	3.6	691.5		
		eL	21 25	LZ	29	12.6U		
8	HW=	eP	11 07 15	LZ	20	494.7	50.6	
		eS	14 25	LT	24	8599.4		
		e	18 50	LR	30	11.7U		
		eL	21 06	LT	999 9	9999.9U		
8	MN=	eP	11 08 43.4	SZ	1.0	21.6	64.4	5.22
		eP	08 44	LZ	16	1249.9		
		e	16 23	SR	4.0	570.4		
		e	16 44	SR	4.5	1588.4		
		eS	17 20	LR	24	2478.5		
		eS	17 22	SR	4.0	285.2		
		eSS	21 22	LR	32	3752.4		
		eLQ	24 55	LT	35	9999.9		
		eLR	28 05	LZ	26	4215.4		
8	RK=	eP	11 09 10.0	SZ	1.0	70.0	68.8	5.69
		eP	09 12	LZ	16	1543.3		
		eS	18 15	LR	28	3691.5		
		eSS	22 40	LR	25	1951.6		
		e	26 10	LR	18	2989.9		
		eLQ	32 00	LR	27	4108.1		
		eLR	34 50	LZ	29	4144.5		
8	LC=	eP	11 09 50.5	SZ	1.0	20.7	75.4	5.06
		eP	09 55	LZ	17	1161.8		
		eS	19 30	LT	999 9	9999.9		
		eSS	24 35	LR	25	9999.9		
		eL	27 55	LR	25	1835.6		
8	DH=	eP	11 10 33.1	SZ	0.7	50.7	83.4	5.74
		eP	10 35	LZ	18	1381.8		
		e	20 50	LZ	22	728.1		
		eSS	26 10	LT	22	1276.9		
		eLR	41 10	LZ	28	4997.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	JE=	eP	11 10 38.5	SZ	1.0	100.0	84.1	5.88
		eP	10 40	LZ	17	1531.6		
		eS	20 53	LT	20	5954.0		
		e	26 45	LZ	25	1582.5		
		e	31 04	LZ	28	1293.9		
		e	32 16	LT	25	4679.8		
		e	33 16	LZ	18	1344.4		
		eLR	39 15	LZ	35	4299.9		
							AVG.	5.55
8	NP=	eP	11 27 05.4	SZ	1.0	5.8		
8	NP=	eP	13 09 35.4	SZ	1.0	5.8		
8			14 12 29.5	35.1 N 24.3 E NEAR CRETE H= 71 KM MAG 5.00 CGS				
8	NP=	iP	14 23 14.0C	SZ	0.6	18.8	66.6	5.28
		ePP	25 35	SZ	1.2	5.3		
8			16 01 11.*	15.6 S 72.7 W SOUTHERN PERU H=103 KM MAG 4.00 CGS				
8			16 46 38.*	60.3 N 147.8 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 3.90 CGS				
8			17 32 27.*	59.7 N 146.2 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 3.80 CGS				
8	NP=	eP	17 36 47.1	SZ	0.8	5.8	19.1	3.90
8			18 58 50.5	56.9 N 149.9 W PRINCE WILLIAM SOUND. ALASKA H= 35 KM MAG 4.80 CGS				
8	MN=	eP	19 04 39.5	SZ	1.0	9.1	27.9	4.48
		eL	12 35	LZ	18	1150.4		
8	LC=	eP	19 06 11.0	SZ	1.2	11.9	38.4	4.54
		eS	12 05	LR	18	236.7		
		e	15 12	LT	20	341.6		
		eLQ	16 50	LT	21	1254.5		
		eLR	18 17	LZ	23	774.5		
8	RK=	eS	19 10 42	LT	20	317.2	32.9	
		eL	15 25	LT	22	526.8		
8	NP=	eL	19 11 58	LZ	29	1036.9	22.4	
8	HW=	eL	19 15 45	LZ	25	817.2	37.1	
8	JE=	eL	19 23 28	LZ	28	1121.4	46.6	
8	DH=	eL	19 23 30	LZ	30	408.0	48.3	
							AVG.	4.51

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8		19 33 19.	59.6 N 147.8 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.10 CGS					
8	NP-	eP	19 37 44.9	SZ	0.8	56.0	19.3	4.86
		eP	37 48	LZ	19	781.2		
		eL	41 34	SR	2.4	301.8		
		eL	41 40	LT	10	7751.9		
8	MN-	eP	19 39 11.5	SZ	1.0	13.3	28.0	4.69
		eP	39 15	LZ	17	439.6		
		eLQ	44 10	LR	22	465.7		
		eLR	47 20	LZ	20	2685.2		
8	RK-	eP	19 39 35.5	SZ	0.9	34.6	30.9	5.25
		ePCP	42 32	SZ	0.7	6.2		
		eL	49 20	SR	2.7	186.7		
8	LC-	eP	19 40 40.5	SZ	1.5	53.4	38.1	5.07
		eP	40 55	LZ	18	217.1		
		e	42 18	LR	17	580.5		
		eS	46 50	LR	18	1242.8		
		eSS	49 35	LT	24	766.4		
		eLQ	51 03	LT	26	2111.4		
		eLR	58 50	LZ	23	2243.0		
8	DH-	eP	19 41 43.5	SZ	1.0	18.5	46.2	5.06
		e	52 05	LZ	13	661.2		
		eLQ	55 47	LT	37	2539.3		
		eLR	58 40	LZ	18	2072.7		
8	HW-	e	19 47 14	LZ	17	1054.5	40.1	
		eL	51 42	LZ	23	1477.9		
8	JE-	eLQ	19 56 16	LT	45	9674.3	45.6	
		eLR	20 01 00	LZ	999 9	9999.9		
						AVG.		4.98
8		19 50 16.8	60.4 N 145.9 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 5.30 CGS					
8	NP-	eP	19 54 32.9	SZ	0.8	64.8	18.4	4.86
		e	56 10	SZ	1.4	177.9		
		eL	58 02	SR	1.9	174.9		
		eL	20 00 34	LZ	28	2445.6		
8	MN-	eP	19 56 06.5	SZ	0.8	2.9	28.1	4.15
		eSCP	20 03 05	SZ	2.1	128.1		
		eLQ	03 15	LT	18	1356.4		
		eLR	04 40	LZ	15	9967.2		
8	RK-	eP	19 56 28.0	SZ	1.3	91.3	30.2	5.45
8	LC-	eP	19 57 37.5	SZ	1.5	53.4	38.0	5.07
8	HW-	eL	20 09 03	LZ	25	1961.3	41.0	
8	DH-	eL	20 14 02	SR	2.6	398.9	45.5	
8	JE-	eLQ	20 14 33	LT	23	14.9U	45.2	
		eLR	17 40	LZ	14	5610.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
						AVG.		4.88
8		20 49 53.*	59.3 N 148.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
8		22 54 28.*	60.4 N 146.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.70 CGS					
8		23 27 12.7	37.8 S 73.6 W NEAR COAST OF CENTRAL CHILE H= 33 KM MAG 4.50 CGS					
8		23 50 37.*	21.9 S 178.2 W FIJI ISLANDS REGION H=323 KM MAG 4.20 CGS					
9		00 46 53.*	49.1 N 127.5 W VANCOUVER ISLAND REGION H= 33 KM MAG 4.10 CGS					
9	MN-	eP	00 49 51.3	SZ	1.0	4.1	12.6	4.43
		eL	54 09	LZ	18	430.2		
9	RK-	eP	00 51 45.6	SZ	0.9	14.3	21.7	4.35
9	LC-	eP	00 51 55.6	SZ	0.7	1.2	22.9	3.49
		eL	58 29	LT	23	235.6		
						AVG.		4.09
9		00 55 56.*	6.3 N 125.1 E MINDANAO, PHILIPPINE ISLANDS H= 33 KM MAG 5.30 CGS					
9	LC-	eP	01 19 04.2	SZ	0.8	1.5		
9	LC-	eP	02 11 42.1	SZ	1.0	2.5		
9		03 45 07.*	60.1 N 145.9 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.80 CGS					
9	RK-	eP	04 15 05.2	SZ	0.7	4.6		
9		04 15 23.	13.5 N 89.9 W EL SALVADOR H= 89 KM MAG 5.00 CGS					
9	JE-	eP	04 19 34.7	SZ	0.9	112.9	18.3	5.12

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		...P	...	LZ	18.0	1180.3		
		e	19 36	SR	1.3	73.2		
		e	23 17	LZ	17	1637.4		
		eL	23 30	LT	28	3211.4		
9	LC-	eP	27 46	SZ	0.7	29.7	24.2	4.84
		eP	04 20 33.0	LZ	15	286.2		
		e	20 33	ST	1.6	20.6		
		eLQ	23 26	LT	23	538.6		
		eLR	25 00	LZ	24	593.0		
9	MN-	iP	30 42	SZ	0.7	43.1	35.3	5.49
		eP	04 22 12.3C	LZ	16	176.2		
		ePCP	22 15	SZ	1.0	8.3		
		e	24 40	LT	17	294.5		
		eSS	28 08	LT	28	469.1		
		eLQ	30 21	LT	27	2377.9		
		eL	33 20	LT	20	5066.3		
		eL	36 26	LR	24	1747.6		
		eL	36 26	LZ	25	1452.3		
		eLR	36 26	LZ	21	2463.0		
9	RK-	iP	37 21	SZ	0.8	74.3	37.4	5.65
		ePP	04 22 27.9C	LZ	14	1677.5		
		eL	24 01	LZ	33	1420.5		
		eLR	29 47	LZ	20	815.7		
9	NP-	eP	34 27	SZ	1.0	47.0	64.7	5.41
		eL	04 25 53.0	LZ	23	812.2		
9	DH-	e	56 24	LT	25	830.8	31.5	
		e	04 27 11	LR	26	649.1		
		eL	27 11	LR	30	1116.4		
9	HW-	eL	30 57	LZ	22	730.9	63.0	
							AVG.	5.30
9	NP-	eP	05 05 56.0	SZ	0.5	3.7		

9 05 43 24.* 60. N 148.2 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 4.10 CGS

9 06 53 16.* 60. N 148.9 W PRINCE WILLIAM SOUND, ALASKA
H= 25 KM MAG 4.20 CGS

9	MN-	eL	07 08 06	LZ	23	172.6	29.0
9	LC-	eL	07 14 31	LZ	23	96.8	39.2

9 08 19 55.* 58. N 149.1 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 3.70 CGS

9 10 37 15.* 59.1 N 148.4 W PRINCE WILLIAM SOUND, ALASKA
H= 20 KM MAG 4.10 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	MN-	eP	10 43 08.9	SZ	0.6	2.0	28.3	4.10
		ePCP	46 21	SZ	0.7	1.2		
9	LC-	eP	10 44 38.4	SZ	1.1	6.4	38.5	4.27
							AVG.	4.18

9 12 33 23.9 59.5 N 148.9 W PRINCE WILLIAM SOUND, ALASKA
H= 20 KM MAG 4.70 CGS

9	MN-	iP	12 39 22.6D	SZ	0.7	11.6	28.7	4.78
		ePCP	42 32	SZ	0.7	2.4		
		eL	53 24	LR	17	440.5		
9	LC-	eP	12 40 51.0	SZ	1.1	14.4	38.9	4.59
		eL	53 44	LZ	18	208.0		
							AVG.	4.68
9	NP-	eP	12 35 19.0	SZ	0.4	15.0		

9 13 06 15.2 59.6 N 146.1 W PRINCE WILLIAM SOUND, ALASKA
H= 15 KM MAG 5.10 CGS

9	NP-	eP	13 10 37.3	SZ	0.8	123.8	19.2	5.20
		e	14 23	LZ	14	3160.9		
		e	14 28	SR	2.0	307.5		
		eLQ	16 05	LT	23	2266.6		
		eLR	18 34	LZ	12	3660.6		
9	MN-	eP	13 12 06.0	SZ	1.2	19.2	27.6	4.73
		eP	12 10	LZ	19	410.1		
		ePCP	15 27	SZ	0.9	8.3		
		eS	16 51	ST	2.6	95.5		
		eS	16 51	LR	15	1036.2		
		eS	16 51	LT	17	378.6		
		eLQ	18 26	LT	20	2858.8		
		eLR	22 15	LZ	16	3524.1		
		eL	24 42	SR	13.5	4736.0		
9	LC-	eP	13 13 33.5	SZ	1.0	9.0	37.7	4.49
		eP	13 34	LZ	19	146.5		
		e	13 37	SZ	1.1	76.9		
		ePP	15 04	LZ	18	307.6		
		ePCP	15 54	SZ	0.9	3.9		
		eS	19 30	LR	18	1142.1		
		eS	19 30	LT	17	565.6		
		e	22 21	LT	25	1067.6		
		eLQ	23 50	LT	26	1602.1		
		eLR	27 36	LZ	20	732.8		
9	HW-	eP	13 13 59.3	SZ	0.7	43.6	40.2	5.24
		e	20 18	LZ	18	910.7		
		eL	24 07	LT	13	2752.6		
9	JE-	eP	13 14 33.5	SZ	0.8	17.3	45.1	5.02

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	21 20	LT	17.0	1196.1		
		eS	21 20	LR	17	1288.5		
		eSS	24 51	LT	18	1987.0		
		eLQ	28 46	LT	19	4261.3		
		eL	30 56	SR	3.1	876.0		
		eLR	32 24	LZ	17	4491.2		
							AVG.	4.93
9	13 22 29.6		56.8 N 152.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.70 CGS					
9	LC-	eP	13 29 58.5	SZ	0.9	2.9	39.5	4.00
9	14 14 36.5		59.8 N 146.0 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 4.30 CGS					
9	MN-	eP	14 20 32.4	SZ	1.0	5.0	27.7	4.25
9	JE-	eL	14 40 00	LR	16	4768.3	45.1	
		eL	16 39 50	LZ	20	241.4		
9	LC-	eL	15 27 47	LT	18.0	235.9		
9	16 11 31.5		58.1 N 152.5 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 4.40 CGS					
9	NP-	eP	16 16 22.6	SZ	0.6	3.3	21.7	3.89
		e	16 26	SZ	0.7	3.8		
9	LC-	eP	16 19 07.6	SZ	0.9	4.9	40.1	4.21
		e	19 17	SZ	0.9	5.9		
		eL	32 35	LZ	23	169.4		
							AVG.	4.05
9	17 14 45.*		60.1 N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
9	18 25 01.*		59.8 N 147.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
9	18 43 20.1		39. N 118.8 W WALKER LAKE AREA, NEVADA H= 15 KM					
9	MN-	iP	18 43 28.6C	SZ	0.3	9999.9	.8	
9	DH-	eP	19 12 34.8	SZ	0.7	9.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	19 43 16.*		22.1 S 69.8 W NORTHERN CHILE H= 54 KM MAG 4.50 CGS					
9	21 20 03.*		60.8 N 146.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
9	LC-	eP	21 24 17.5	SZ	0.3	26.9	1.3	
		eS	24 36	ST	0.3	12.8		
9	21 54 42.1		18.5 S 71.5 W SOUTHERN PERU H= 39 KM MAG 5.20 CGS					
9	DH-	eP	22 04 49.0	SZ	0.6	11.6	60.5	5.14
		eL	29 07	LT	24	676.7		
9	LC-	eP	22 04 51.2	SZ	1.1	16.0	60.8	5.02
		eS	12 56	LT	24	338.9		
		eSCS	14 41	LT	23	244.0		
		eSSS	20 12	LT	27	353.3		
		eLQ	22 47	LT	22	454.5		
		eLR	28 15	LZ	23	395.3		
9	MN-	iP	22 06 02.1C	SZ	0.9	8.9	71.6	4.78
		eL	32 22	LR	20	292.8		
9	JE-	eL	22 24 58	LZ	24	510.3	53.7	
							AVG.	4.98
9	22 12 31.*		59.8 N 155.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					
9	NP-	eP	22 17 12.4	SZ	0.5	10.2	20.7	4.39
9	HW-	eL	22 37 09	LZ	21	205.2	39.8	
9	23 16 04.*		46.3 N 149.6 E KURILE ISLANDS H= 45 KM MAG 4.50 CGS					
10	00 29 46.2		60.3 N 147.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
10	01 08 00.2		58.4 N 150.6 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.50 CGS					
10	NP-	eP	01 12 46.4	SZ	0.6	26.3	21.1	4.75
		e	12 49	SZ	0.5	167.0		
		eP	12 53	LZ	17	1169.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	15 29	SZ	1.6	100.8		
		e	16 45	LZ	16 5	3196.9		
		e	16 51	SZ	1.1	57.0		
10	MN-	eP	01 14 01.0	SZ	0.9	10.8	28.9	4.65
		eP	14 02	LZ	22	188.1		
		e	14 05	SZ	0.9	21.1		
		ePCP	17 08	SZ	1.1	18.5		
		eS	18 58	LR	25	1517.9		
		e	20 40	LZ	18	1076.0		
		e	20 49	SZ	1.2	11.5		
		eLR	22 54	LZ	18	3164.7		
10	HW-	eP	01 15 30.0	SZ	0.8	126.4	38.6	5.68
		eSCP	21 29	LZ	26	751.9		
		eL	26 22	LZ	23	1677.6		
10	LC-	eP	01 15 31.1	SZ	1.2	19.9	39.3	4.66
		e	15 36	SZ	1.1	54.5		
		ePP	17 03	LZ	27	243.2		
		ePCP	17 45	SZ	1.3	22.4		
		eS	21 38	LR	23	1482.2		
		e	24 26	LZ	13	848.5		
		eLQ	26 57	LT	16	935.0		
		eLR	29 27	LZ	26	2970.3		
10	JE-	eP	01 16 34.8	SZ	1.0	48.0	47.2	5.54
		eP	16 36	LZ	13	396.2		
		e	16 40	SZ	1.0	110.0		
		eS	23 31	LR	23	2064.9		
		eSS	27 08	LR	16	2492.5		
		eL	35 04	LR	20	4262.8		
10	DH-	eP	01 16 41.9	SZ	1.0	31.5	48.2	5.34
		e	16 46	SZ	1.2	57.0		
		ePCP	18 08	SZ	0.9	49.9		
		e	18 14	SZ	1.0	83.4		
		e	27 35	LR	18	850.0		
		eLQ	33 22	LR	25	1135.4		
		eLR	36 48	LZ	18	3083.9		
							AVG.	5.10

10 02 07 57.* 13.8 N 91.2 W NEAR COAST OF GUATEMALA
H= 26 KM MAG 3.60 CGS

10	LC-	eP	02 13 04.3	SZ	0.8	2.3	23.3	3.72

10 02 46 35.* 58.5 N 148.8 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 3.70 CGS

10 04 44 08. 15.7 S 172.8 W SAMOA ISLANDS REGION
H= 32 KM MAG 4.20 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	MN-	eP	04 55 44.6	SZ	0.9	6.4	74.3	4.59
10	NP-	eP	06 15 41.0	SZ	0.7	6.1		
10	NP-	e	06 15 55	SZ	0.6	14.7		
10	MN-	eP	06 16 50.2	SZ	0.8	2.4		

10 06 46 16.* 60.1 N 146.9 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 4.00 CGS

10 07 04 11.* 60.2 N 147.0 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 4.00 CGS

10 10 00 53.* 17.6 N 104.6 W OFF COAST OF COLIMA, MEXICO
H= 33 KM MAG 3.80 CGS

10	LC-	eP	10 04 26.4	SZ	1.2	3.9	14.8	3.76
10	NP-	eP	11 06 28.6	SZ	0.9	4.9		
10	NP-	e	11 06 35	SZ	0.7	8.5		

10 12 06 25.* 59.6 N 152.2 W PRINCE WILLIAM SOUND, ALASKA
H= 25 KM MAG 4.30 CGS

10	MN-	eP	12 12 36.3	SZ	0.7	3.3	30.2	4.27
10	LC-	eL	12 27 50	LZ	25	148.5	40.5	

10 13 10 05.4 13.5 N 144.9 E MARIANA ISLANDS
H=101 KM MAG 5.40 CGS

10	MN-	eP	13 22 42.1	SZ	1.1	22.6	87.1	5.11
		e	22 47	SZ	0.9	5.7		
		epP	23 19	SZ	1.0	4.1		
10	MN-	eP	13 38 25.4	SZ	999.9	9999.9	.6	
		eS	38 33	SR	0.5	22.1		
10	DH-	eP	16 46 34.7	SZ	0.5	17.5	1.8	
		eS	46 59	SR	0.4	27.3		
10	NP-	eP	17 28 11.2	SZ	1.0	7.4		
10	NP-	e	17 28 16	SZ	0.9	9.9		

10 17 54 57.5 56.7 N 152.0 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 4.70 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	NP=	eP	18 00 01.2	SZ	1.0	14.9	22.9	4.40
		e	00 08	SZ	0.8	18.2		
10	MN=	eP	18 00 53.8	SZ	0.7	3.7	28.8	4.26
							AVG.	4.33
10	DH=	eP	18 00 12.4	SZ	0.4	3.1		
10	19 05 52.6		59.7 N 148.2 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.20 CGS					
10	NP=	eP	19 10 19.7	SZ	1.4	138.1	19.4	5.01
		e	10 30	SZ	0.9	93.2		
		e	10 55	SZ	1.2	135.4		
		e	11 31	SZ	1.0	52.2		
		eS	14 04	SR	2.4	409.6		
		eL	18 50	LZ	25	2077.1		
10	MN=	eP	19 11 50.4	SZ	0.6	6.2	28.6	4.59
		e	11 55	SZ	0.6	9.7		
		ePCP	15 06	SZ	0.5	4.0		
		eLQ	19 08	LR	22	4126.2		
		eLR	21 11	LZ	17	1512.7		
10	LC=	eP	19 13 18.7	SZ	1.3	37.4	38.7	4.93
		e	13 43	SZ	1.4	46.3		
		eS	19 27	LT	17	465.3		
		eSS	22 22	LT	20	778.8		
		eLQ	24 17	LT	26	2236.0		
		eLR	28 02	LZ	18	1049.4		
10	DH=	eP	19 14 22.7	SZ	1.2	57.0	46.7	5.51
		e	14 29	SZ	1.0	46.3		
		eSCP	20 09	LZ	27	1844.0		
		eL	30 26	LR	20	3577.0		
10	HW=	eL	19 24 20	LZ	28	757.3	40.0	
10	JE=	eL	19 30 03	LT	20	2515.0	46.2	
							AVG.	5.01
10	21 29 57.*		39.2 N 114.2 W EASTERN NEVADA H= 15 KM					
10	21 44 06.7		60.1 N 153.7 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 5.60 CGS					
10	NP=	eP	21 48 43.2	SZ	1.6	413.4	20.1	5.43
		eP	48 48	LZ	15	1921.2		
		eS	52 27	LR	12	6029.2		
		eL	54 03	LR	37	7674.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	MN=	eP	21 50 27.8	SZ	0.5	4.4	31.1	4.62
		e	50 30	SZ	0.8	28.5		
		eLQ	58 00	LT	35	6666.5		
		eLR	22 00 52	LZ	19	2654.4		
10	LC=	eP	21 51 51.8	SZ	1.2	23.9	41.4	4.81
		e	52 20	SZ	0.8	14.6		
		ePCP	53 57	SZ	1.0	19.4		
		e	54 17	LZ	20	183.2		
		eS	58 21	LT	18	846.1		
		eLQ	22 01 34	LT	24	1266.2		
		eLR	03 13	LT	999 9	9999.9		
10	JE=	eP	21 52 56.2	SZ	0.8	23.6	49.0	5.26
		e	52 59	SZ	0.8	100.5		
		eS	22 00 04	LT	18	1663.1		
		e	03 57	LZ	19	1262.6		
		eL	07 25	LT	35	4206.4		
10	DH=	eP	21 52 57.5	SZ	0.7	9.2	49.3	4.88
		e	22 03 45	LZ	20	1220.1		
		eLQ	07 02	LR	37	5372.2		
		eLR	11 25	LZ	17	3097.6		
10	HW=	eSCP	21 57 43	LZ	21	565.2	40.1	
		eSS	22 00 44	LR	18	2170.8		
		eLR	03 00	LZ	23	2276.8		
							AVG.	5.00
10	MN=	eP	22 13 39.1	SZ	0.3	2.0	1.0	
		eS	13 52	SR	0.4	3.7		
11	00 39 10.6		57.4 N 150.0 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.60 CGS					
11	NP=	eP	00 44 10.5	SZ	0.6	6.8	21.9	4.24
11	MN=	eP	01 02 06.5	SZ	0.3	5.9	.6	
		eS	02 15	ST	0.2	14.0		
11	01 04 30.2		29. S 178.9 W KERMADEC ISLANDS H=302 KM MAG 5.30 CGS					
11	MN=	eP	01 16 47.2	SZ	999.9	9999.9	87.8	
11	LC=	eP	01 17 06.5	SZ	1.0	46.1	91.8	5.36
11	NP=	eP.	01 22 27.0	SZ	0.6	10.3	111.2	
11	02 05 16.*		52.3 N 166.3 W FOX ALEUTIAN ISLANDS H= 33 KM MAG 4.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	MN=	eP	02 18 39.2	SZ	0.3	18	.6	
		eS	18 48	ST	0.4	2.8		
11	03 25 05.*		38.5 N 118.7 W WESTERN NEVADA					
			H= 15 KM					
11	MN-	eP	03 25 16.5	SZ	999.9	9999.9	.4	
11	LC-	eL	03 31 40	LT	15	182.6	11.6	
11	MN-	eP	04 25 11.9	SZ	0.2	4.7	.5	
		eS	25 20	ST	0.4	2.8		
11	04 40 00.*		56.8 N 152.6 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 4.20 CGS					
11	HW-	eP	05 13 21.5	SZ	0.3	45.7	.6	
		eS	13 30	ST	0.2	380.9		
11	06 11 02.1		25.2 N 124.4 E RYUKYU ISLANDS REGION					
			H= 74 KM MAG 5.00 CGS					
11	NP-	eP	06 22 14.6	SZ	0.4	6.7	71.6	4.91
11	07 33 52.*		59.6 N 144.8 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.40 CGS					
11	NP-	eP	07 38 12.0	SZ	0.5	7.2	18.9	4.18
11	MN-	eP	08 03 01.2	SZ	0.2	2.7	.7	
		eS	03 11	ST	0.3	7.6		
11	MN-	eP	08 04 31.9	SZ	0.2	9999.9	.6	
		eS	04 40	SR	0.5	6.9		
11	08 23 29.*		59.8 N 147.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 3.90 CGS					
11	NP-	eP	08 27 52.0	SZ	0.6	1.7	19.2	3.49
11	09 23 51.5		56.4 N 152.2 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.60 CGS					
11	NP-	eP	09 28 58.0	SZ	1.0	13.7	23.2	4.38
11	MN-	eP	09 29 48.5	SZ	0.7	1.2	28.8	3.78
		eL	37 15	LZ	17	1061.1		
11	LC-	eP	09 31 23.5	SZ	1.2	8.1	39.4	4.32

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	37 20	LT	20.0	185.4		
		eSS	40 13	LT	18	352.5		
		eLQ	42 25	LT	19	804.0		
		eLR	44 45	LZ	18	444.2		
11	HW-	eL	09 40 50	LZ	24	981.3	36.5	
11	DH-	eL	09 50 55	LZ	18	236.5	49.7	
11	JE-	eL	09 53 15	LR	18	1852.3	47.8	
		eL	56 50	LZ	12	1184.3		
							AVG.	4.16
11	MN-	eP	09 47 30.3	SZ	0.3	3.2	.6	
		eS	47 40	SR	0.3	5.7		
11	MN-	eP	10 04 09.0	SZ	0.2	11.9	1.0	
		eS	04 24	ST	0.3	31.7		
11	10 20 40.*		60.8 N 143.5 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.20 CGS					
11	NP-	eP	10 24 45.0	SZ	0.5	2.9	17.6	3.68
11	NP-	eP	11 11 38.0	SZ	0.6	1.5		
11	11 36 00.5		60.4 N 146.4 W PRINCE WILLIAM SOUND, ALASKA					
			H= 15 KM MAG 4.80 CGS					
11	NP-	eP	11 40 16.0	SZ	0.6	16.3	18.4	4.39
11	MN-	eP	11 41 55.0	SZ	0.8	10.8	28.3	4.70
		eL	50 45	LZ	17	1226.1		
11	LC-	eP	11 43 22.0	SZ	1.0	6.5	38.2	4.33
11	HW-	eL	11 55 20	LZ	25	498.5	40.9	
11	JE-	eLQ	12 00 00	LT	25	2027.8	45.5	
		eLR	03 20	LZ	18	637.5		
							AVG.	4.47
11	12 16 41.1		56.6 N 151.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 20 KM MAG 4.80 CGS					
11	NP-	eP	12 21 44.5	SZ	0.9	17.6	22.8	4.54
11	MN-	eP	12 22 36.2	SZ	1.0	5.8	28.3	4.33
		eLQ	29 14	LT	19	625.8		
		eLR	30 50	LZ	20	1500.9		
11	LC-	eP	12 24 08.0	SZ	1.0	7.9	38.9	4.37
		eS	30 17	LT	10	1632.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		...						
		eSS	33 12	LT	17.0	579.4		
		eLQ	35 51	LT	20	1159.0		
		eLR	37 03	LZ	23	610.1		
11	JE-	eLQ	12 40 20	LT	22	578.1	47.2	
		eLR	45 35	LZ	12	3014.6		
11	DH-	eL	12 41 43	LR	18	499.4	49.0	
							AVG.	4.41
11	MN-	eP	12 43 37.7	SZ	1.0	8.3		
11	16 00 42.8		40.5 N 25.0 E AEGEAN SEA H= 33 KM MAG 5.10 CGS					
11	NP-	eP	16 10 57.0	SZ	0.5	6.5	61.3	5.00
11	MN-	eP	16 14 02.3	SZ	0.6	2.4	94.5	4.78
		e.	29 40	LT	35	1295.5		
		eSS	31 15	LT	45	3616.9		
		eLQ	42 20	LR	45	1420.9		
		eLR	50 00	LZ	28	832.7		
11	LC-	eP	16 14 03.5	SZ	1.1	8.1	94.8	5.06
		eLQ	46 20	LT	45	849.5		
		eLR	49 00	LZ	25	518.7		
11	DH-	eL	16 35 00	LT	27	953.9	70.4	
11	HW-	eL	17 05 00	LZ	21	328.4	119.8	
							AVG.	4.94
11	16 10 25.*		58.1 N 149.8 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.30 CGS					
11	NP-	eP	16 15 11.5	SZ	0.7	16.0	21.2	4.48
11	JE-	eL	16 41 00	LR	37	2195.0	46.7	
		eL	46 35	LZ	24	736.0		
11	MN-	eP	16 21 50.4	SZ	999.9	9999.9	.6	
		eS	21 59	ST	0.2	6.2		
11	MN-	eP	17 13 11.9	SZ	0.3	1.1		
11	MN-	eS	17 13 13	ST	0.4	2.8		
11	17 51 16.*		56. N 152.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
11	LC-	eP	18 35 14.4	SZ	0.2	17.5	1.6	
		eS	35 34	ST	0.2	13.9		
11	NP-	eP	19 13 10.5	SZ	0.9	2.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	22 02 38.2		60.2 N 146.9 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.50 CGS					
11	NP-	eP	22 06 57.2	SZ	0.6	3.4	18.7	3.75
11	MN-	eP	22 08 32.7	SZ	0.9	3.2	28.3	4.11
11	LC-	eP	22 10 00.0	SZ	1.1	6.5	38.3	4.29
							AVG.	4.05
11	MN-	eP	22 19 41.7	SZ	0.6	4.1	2.4	
		eS	20 14	SR	0.5	2.5		
11	23 11 22.8		60.1 N 146.5 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.60 CGS					
11	NP-	eP	23 15 41.0	SZ	0.9	12.2	18.7	4.12
11	LC-	eP	23 18 43.0	SZ	0.9	2.0	38.1	3.89
							AVG.	4.00
11	23 34 35.*		59.5 N 147.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					
11	NP-	eP	23 39 00.0	SZ	0.5	1.4	19.4	3.50
12	01 11 58.*		53. N 160.4 E NEAR EAST COAST OF KAMCHATKA H= 33 KM					
12	LC-	eP	01 22 49.5	SZ	0.9	1.9	66.5	4.25
12	01 15 38.*		60. N 144.9 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 4.40 CGS					
12	NP-	eP	01 19 57.3	SZ	0.9	6.8	18.6	3.87
12	01 24 31.2		56.6 N 152.2 W PRINCE WILLIAM SOUND, ALASKA H= 22 KM MAG 5.60 CGS					
12	NP-	eP	01 29 36.6	SZ	0.4	61.7	23.1	5.45
		eP	29 39	LZ	21	9529.1		
		eL	33 48	SR	1.8	239.9		
		eS	33 51	LT	17	38.7U		
12	MN-	eP	01 30 29.3	SZ	0.9	25.6	28.9	5.01
		eP	30 30	LZ	18	9999.9		
		eLQ	37 04	LT	17	9999.9		
		eSCP	37 19	SZ	1.1	26.7		
		eL	38 16	SZ	15.0	12.4U		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	38 41	LZ	22.0	9999.9U		
12	RK-	e	01 31 17	SR	0.8	5.9	34.2	
		e	31 19	LT	18	738.4		
		e	33 51	LT	17	895.6		
		e	35 50	LT	20	5211.4		
		eS	36 43	SR	1.8	107.6		
		ePCS	37 44	ST	1.0	25.6		
		eSCS	41 38	ST	2.0	240.3		
12	HW-	eP	01 31 40	LZ	18	2406.3	36.7	
		e	37 30	LZ	19	7358.5		
		eSS	39 30	LT	18	10.6U		
		eL	41 21	LZ	20	9999.9U		
12	LC-	eP	01 32 02.9	SZ	1.3	77.4	39.5	5.23
		eP	32 04	LZ	20	1988.6		
		e	32 32	SZ	1.3	74.9		
		e	32 40	SZ	1.4	80.3		
		e	33 10	SZ	1.3	82.4		
		ePP	33 36	LZ	21	9999.9		
		ePCP	34 13	SZ	1.2	35.9		
		eSCP	37 57	SZ	1.3	19.9		
		eS	38 05	LR	21	9999.9		
		eLQ	41 07	LT	999 9	9999.9		
		eL	42 03	SZ	7.0	1479.6		
		eLR	44 34	LZ	27	12.9U		
12	JE-	eP	01 33 10.0	SZ	0.9	100.0	47.9	5.88
		eP	33 16	LZ	17	2578.6		
		eS	40 09	LR	20	9999.9		
		eLQ	47 50	LT	23	9999.9		
		eL	53 27	ST	18.0	109.3U		
		eLR	55 33	LZ	14	27.4U		
12	DH-	eP	01 33 23	LZ	15	1579.6	49.6	
		eS	40 33	LR	25	9999.9		
		eS	40 33	LT	18	5583.2		
		eSCS	43 15	LR	22	9999.9		
		eLQ	44 24	LR	21	4409.0		
		eLR	50 47	LZ	27	9999.9		
						AVG.		5.39

12 02 06 20.* 60.9 N 149.5 W PRINCE WILLIAM SOUND. ALASKA
H= 20 KM MAG 4.20 CGS

12 02 33 39.* 26.5 S 113.7 W EASTER ISLAND REGION
H= 33 KM MAG 4.60 CGS

12	LC-	eP	02 43 38.9	SZ	0.9	2.9	59.0	4.32
12	MN-	eP	02 44 16.2	SZ	1.0	5.8	64.7	4.67

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.49
12	LC-	eP	03 19 53.7	SZ	0.8	2.3		

12 03 38 53.* 56.4 N 152.3 W PRINCE WILLIAM SOUND. ALASKA
H= 33 KM MAG 4.00 CGS

12	NP-	eP	03 43 57.4	SZ	0.8	7.2	23.3	4.20
12	HW-	eL	04 14 17	LZ	23.0	625.9		

12 05 44 23.* 58.8 N 148.9 W PRINCE WILLIAM SOUND. ALASKA
H= 33 KM MAG 4.00 CGS

12	JE-	eP	05 49 28.8	SZ	1.1	61.7		

12 06 00 46.4 13.6 S 166.0 E NEW HEBRIDES ISLANDS
H= 33 KM MAG 5.00 CGS

12	MN-	eP	06 13 33.7	SZ	1.0	10.0	87.6	4.97
		eL	43 53	LZ	20	319.3		
12	DH-	eL	07 06 15	LZ	19	557.0	120.5	

12 07 33 44.* 59.3 N 147.5 W PRINCE WILLIAM SOUND. ALASKA
H= 25 KM MAG 3.60 CGS

12 09 34 44.1 56.6 N 152.1 W PRINCE WILLIAM SOUND. ALASKA
H= 20 KM MAG 5.10 CGS

12	NP-	eP	09 39 49.4	SZ	1.0	95.7	23.0	5.24
		eS	44 08	ST	2.3	238.2		
		e	44 15	LZ	17	2396.7		
		eL	48 20	LR	25	1507.1		
12	MN-	eP	09 40 42.1	SZ	0.9	7.6	28.8	4.49
		eSCP	47 32	SZ	1.3	11.2		
		eL	53 59	LZ	19	970.3		
12	LC-	eP	09 42 15.6	SZ	1.1	8.0	39.4	4.31
		eP	42 17	LZ	15	227.3		
		ePP	43 50	LZ	15	287.2		
		eS	48 21	LR	20	652.7		
		eLQ	51 28	LT	21	832.9		
		eLR	54 44	LZ	25	629.3		
12	RK-	eS	09 47 19	LT	17	605.8	34.1	
		eL	51 53	LR	18	1870.0		
12	HW-	eL	09 51 42	LZ	24	675.2	36.7	
12	DH-	eL	10 02 13	LR	22	1911.6	49.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	JE-	eL	10 03 31	LT	23.0	6787.8	47.8	
							AVG.	4.68
12	11 10 54.8		33.9 S 179.8 W KERMADEC ISLANDS H= 89 KM MAG 5.40 CGS					
12	HW-	eP	11 20 43.2	SZ	1.0	982.1	58.3	6.79
12	MN-	eP	11 23 55.0	SZ	1.0	18.3	91.9	5.35
		e	24 42	SZ	1.0	11.6		
		e	26 20	SZ	1.4	13.8		
		e	34 22	SR	2.2	56.7		
		e	34 22	ST	2.4	55.2		
		eL	52 51	LZ	32	2025.6		
12	LC-	eP	11 24 11.1	SZ	0.7	3.8	95.3	4.97
		eP	24 13	LZ	20	317.5		
		ePP	28 08	SZ	1.0	6.4		
		ePP	28 11	LZ	22	291.4		
		eSKS	34 39	LT	21	832.9		
		eL	51 05	LZ	23	712.3		
12	NP-	eP	11 29 26.8	SZ	0.8	44.6	116.2	
		eSKP	32 52	SZ	0.9	10.2		
		ePKKP	40 01	SZ	0.9	6.8		
12	RK-	eSKS	11 35 53	SR	0.9	7.7	113.2	
12	DH-	eL	12 05 46	LT	26	498.6	122.1	
							AVG.	5.70
12	LC-	eP	11 16 49.5	SZ	1.0	2.5		
12	MN-	eP	11 17 28.6	SZ	1.1	6.1		
12	12 06 01.3		42.6 N 45.2 E EASTERN CAUCASUS H= 33 KM MAG 4.80 CGS					
12	NP-	eP	12 16 14.5	SZ	0.7	6.3	61.0	4.82
12	12 14 55.*		34. N 131.9 E NEAR S. COAST HONSHU, JAPAN H= 70 KM MAG 4.40 CGS					
12	NP-	eP	12 25 07.3	SZ	0.9	25.6	61.5	5.30
		e	25 24	SZ	0.9	30.7		
12	12 36 23.*		56.4 N 151.4 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 5.00 CGS					
12	NP-	eP	12 41 22.0	SZ	0.9	51.3	23.1	5.00
		eS	45 39	SR	1.4	18.4		
12	MN-	eP	12 42 17.5	SZ	0.8	4.4	28.4	4.28

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	49 52	LZ	19.0	1694.7		
12	LC-	eP	12 43 48.7	SZ	1.0	10.3	39.0	4.51
		ePCP	46 04	SZ	0.8	3.8		
		eS	50 08	LT	21	404.5		
		eL	53 00	LT	27	2433.2		
12	RK-	eS	12 48 25	LT	21	754.4	33.8	
		eL	53 38	LT	24	1259.8		
12	JE-	eS	12 52 12	LT	19	930.0	47.4	
		eL	57 03	LR	14	1022.7		
12	DH-	eL	13 03 09	LR	22	2153.9	49.2	
							AVG.	4.59
12	12 48 02.2		56.6 N 151.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 5.10 CGS					
12	NP-	eP	12 53 05.6	SZ	1.0	86.2	22.9	5.16
		eP	53 18	LZ	15	2834.6		
		e	53 57	SZ	1.3	46.3		
		e	57 33	LZ	13	7202.1		
		e	57 40	SZ	2.7	232.0		
		eL	13 01 50	LT	16	3586.8		
12	MN-	eP	12 53 54.6	SZ	1.0	14.1	28.4	4.69
		eLQ	58 42	LR	17	2445.9		
		eLR	13 03 19	LZ	15	1801.1		
		eL	03 40	SZ	15.0	12.4U		
12	LC-	eP	12 55 27.9	SZ	1.2	33.9	39.0	4.95
		eL	13 07 18	LR	26	3657.2		
		eL	11 32	SZ	15.0	9695.1		
							AVG.	4.93
12	13 11 02.*		39. N 118.8 W WALKER LAKE AREA, NEVADA H= 15 KM MAG 3.90 CGS					
12	MN-	eP	13 11 10.8	SZ	999.9	9999.9	.8	
12	14 35 39.2		61.2 N 151.1 W PRINCE WILLIAM SOUND, ALASKA H= 28 KM MAG 5.00 CGS					
12	NP-	eP	14 39 55.1	SZ	0.7	12.6	18.6	4.24
12	LC-	eP	14 43 20.0	SZ	0.8	1.5	40.6	3.78
							AVG.	4.01
12	15 08 09.5		61.2 N 147.4 W ALASKA AFTERSHOCK H= 20 KM MAG 3.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12			15 37 50.*	43.2 N 111.4 W SOUTHEASTERN IDAHO H= 15 KM				
12			17 22 02.2	60.2 N 145.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.00 CGS				
12	NP-	eP	17 26 24.3	SZ	0.8	53.2	18.5	4.79
		eL	29 56	SR	2.9	294.6		
		eL	30 00	LZ	16	1572.2		
12	MN-	eP	17 27 52.8	SZ	1.1	11.3	27.8	4.55
		eL	34 00	LZ	22	2204.5		
12	RK-	e	17 28 12	ST	0.9	25.6	30.1	
		eS	33 20	LT	21	1775.1		
		eL	36 55	LT	20	1903.3		
		eL	37 30	SR	2.7	194.2		
12	DH-	eL	17 43 05	LR	12	571.0	45.4	
12	JE-	eL	17 43 55	LT	28	3105.5	45.0	
		eL	46 23	ST	4.0	2140.5		
							AVG,	4.67
12			18 50 41.*	56.5 N 152.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS				
12	NP-	eP	19 58 25.0	SZ	0.8	10.0		
12			20 28 50.*	57.5 N 152.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.60 CGS				
12			20 39 06.*	16.4 S 179.8 W WEST OF TONGA ISLANDS H=509 KM MAG 3.60 CGS				
12			21 02 16.*	58.6 N 154.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS				
13	MN-	eP	00 16 13.5	SZ	0.3	2.3	.6	
		eS	16 22	SR	0.3	2.7		
13			00 55 01.*	59.5 N 144.7 W ALASKA AFTERSHOCK H= 33 KM MAG 3.90 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			00 57 43.5	1 N 123.0 E NORTHERN CELEBES H= 97 KM MAG 5.40 CGS				
13	RK-	eP,	01 16 24.2	SZ	0.4	12.9	120.5	
13			01 14 21.1	40. N 51.9 E CASPIAN SEA H= 33 KM MAG 4.80 CGS				
13			01 17 36.*	56.6 N 157.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS				
13	MN-	eP	01 31 09.0	SZ	999.9	9999.9		
13			03 02 46.3	23.7 S 179.0 W SOUTH OF FIJI ISLANDS H=360 KM MAG 4.50 CGS				
13	MN-	eP	03 14 38.7	SZ	1.0	4.1	84.1	4.17
13			03 20 04.5	27.6 N 90.2 E BHUTAN H= 52 KM MAG 5.40 CGS				
13			05 23 58.*	6.2 N 72.5 W EASTERN COLOMBIA H=228 KM MAG 3.40 CGS				
13			06 23 34.1	19.5 S 177.7 W TONGA ISLANDS REGION H=574 KM MAG 4.40 CGS				
13	MN-	eP	06 34 47.0	SZ	0.9	7.6	80.2	4.14
13			07 06 40.*	59.7 N 147.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS				
13			07 28 36.*	58.9 N 149.8 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 4.00 CGS				
13			08 30 03.6	45.3 N 18.1 E NORTHERN YUGOSLAVIA H= 33 KM				
13	RK-	eP	08 40 57.2	SZ	0.5	7.0	67.6	5.03

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	09 00 10	LT	22.0	9871.2		
		eLR	04 30	LZ	27	992.5		
13			08 41 53.9	58.4 N 151.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.80 CGS				
13	NP-	e	08 46 40	ST	0.5	2.3	21.2	
		eL	56 07	SZ	1.0	60.7		
		eLQ	56 15	LT	27	2440.2		
		eLR	09 00 10	LZ	25	1329.3		
13	MN-	eP	08 47 54.4	SZ	1.2	12.8	29.2	4.57
		eLQ	54 45	LT	25	287.5		
		eLR	56 45	LZ	23	550.2		
13	DH-	eS	08 57 50	LR	20	242.0	48.6	
		eLQ	09 04 00	LT	19	1530.1		
		eLR	05 30	LZ	22	3153.3		
13	JE-	eL	09 08 45	LR	27	2894.6	47.5	
13			08 45 24.6	22.3 N 142.1 E BONIN ISLANDS REGION H=309 KM MAG 5.10 CGS				
13	MN-	eP	08 57 21.0	SZ	0.7	12.0	83.7	4.83
13	MN-	eLQ	09 10 00	LR	42.0	2145.8		
13	MN-	eLR	09 14 25	LZ	17	518.7		
13	MN-	eP	09 17 40.0	SZ	0.2	7.5	.5	
		eS	17 48	ST	0.4	4.5		
13			11 24 04.*	7.1 S 129.2 E BANDA SEA H=126 KM				
13			11 26 52.1	6.9 N 126.6 E NEAR E. COAST MINDANAO, P.I. H=110 KM				
13	MN-	eP	11 31 43.5	SZ	999.9	9999.9	.5	
		eS	31 51	ST	0.2	37.5		
13			11 36 30.*	43.3 N 110.8 W WESTERN WYOMING H= 15 KM MAG 3.70 CGS				
13	NP-	eP	12 29 53.0	SZ	0.5	4.6		
13	NP-	e	12 30 05	SZ	0.9	57.7		
13	NP-	eP	12 30 25	LZ	28	2989.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	MN-	eP	12 31 12.5	SZ	1.7	27.7		
13	MN-	eP	12 31 30	LZ	14	1738.0		
13	RK-	eP	12 31 38.4	SZ	1.0	14.0		
13	NP-	eLQ	12 34 05	LR	14	6568.1		
13	NP-	eLR	12 35 30	LZ	33	9681.8		
13	MN-	eL	12 36 20	LT	47	2904.4		
13	NP-	eL	12 36 27	SZ	3.2	641.4		
13	JE-	e	12 40 40	LR	33	7273.3		
13	DH-	e	12 40 45	LR	25	2132.6		
13	RK-	eL	12 41 05	SZ	4.0	665.6		
13	DH-	e	12 44 00	LR	30	3227.5		
13	JE-	e	12 44 05	LT	23	3654.9		
13	DH-	eL	12 46 40	LR	42	12.0U		
13	JE-	eL	12 47 40	LT	31	7985.8		
13	DH-	eLR	12 50 20	LZ	23	3153.3		
13			14 05 00.	57.6 N 151.2 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.50 CGS				
13	NP-	eP	14 09 53.8	SZ	0.8	36.8	21.9	4.83
		e	12 42	SZ	1.9	102.3		
		eS	13 59	ST	1.8	107.7		
		ePCP	14 02	LZ	16	3516.6		
		eL	19 40	LZ	17	2241.7		
13	MN-	eP	14 10 57.5	SZ	1.0	40.0	28.8	5.15
		eS	16 00	LR	18	658.1		
		eL	19 30	LZ	24	2394.0		
13	RK-	eP	14 11 37.5	SZ	1.1	110.1	33.4	5.68
		e	17 30	LT	18	824.3		
		eL	24 10	LZ	22	2678.1		
13	JE-	eP	14 13 34.7	SZ	1.0	123.2	47.4	5.92
13	DH-	eL	14 33 00	LZ	20	2840.5	48.8	
							AVG.	5.39
13	MN-	eP	15 13 21.1	SZ	999.9	9999.9	.6	
		eS	13 30	SR	0.4	9.8		
13	MN-	eP	15 43 36.9	SZ	999.9	9999.9	1.5	
		eS	43 56	ST	0.2	14.0		
13			16 14 06.3	56.6 N 152.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 5.10 CGS				
13	NP-	eP	16 19 10.0	SZ	0.9	42.0	23.0	4.90
		e	22 22	SZ	0.6	7.7		
		eL	23 35	LZ	17	3508.7		
		eL	23 40	SR	2.5	218.8		
13	MN-	eP	16 20 02.8	SZ	1.5	46.5	28.8	5.03
		eL	28 25	LZ	20	2352.8		
13	RK-	eP	16 20 49.5	SZ	0.8	16.6	34.1	4.99
		eS	26 20	LT	17	806.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	30 45	LR	20.0	1956.1		
13	JE-	eS	16 29 50	LR	19	1795.9	47.8	
		eL	41 50	LZ	21.0	1139.6		
13	DH-	eL	16 41 40	LR	18	3302.0	49.5	
							AVG.	4.97
13	DH-	eP	16 39 22.0	SZ	0.5	*		
13	DH-	eP	17 17 27.0	SZ	0.3	*	.8	
		eS	17 38	SR	0.3	21.1		
13	NP-	eP	17 25 19.5	SZ	1.9	42.6		
13	RK-	e	17 37 20	LT	23	4537.2		
13	RK-	eL	17 40 00	LT	34	8948.3		
13	17 43 26.*		61.1 N 147.4 W PRINCE WILLIAM SOUND, ALASKA H= 35 KM MAG 4.40 CGS					
13	MN-	eP	17 49 25.0	SZ	0.8	4.4	29.1	4.28
13	MN-	eP	18 03 47.6	SZ	0.4	2.5		
13	18 14 21.4		59.2 N 147.1 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.30 CGS					
13	NP-	eP	18 18 55.2	SZ	0.6	4.4	19.7	3.89
13	MN-	eP	18 20 11.6	SZ	0.7	2.4	27.8	4.09
13	RK-	eP	18 20 43.2	SZ	1.0	16.4	31.0	4.88
							AVG.	4.28
13	19 16 48.6		57.3 N 153.2 W PRINCE WILLIAM SOUND, ALASKA H= 23 KM MAG 4.80 CGS					
13	NP-	eP	19 21 47.5	SZ	0.9	49.0	22.6	4.96
13	RK-	eP	19 23 35.0	SZ	0.5	3.5	34.5	4.54
							AVG.	4.75
13	21 25 33.		57.5 N 153.9 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 5.50 CGS					
13	NP-	eP	21 30 32.1	SZ	999.9	9999.9	22.5	
		e	34 50	SR	1.4	234.3		
		eL	38 00	LZ	30	1183.4		
13	MN-	eP	21 31 42.2	SZ	1.0	35.0	30.1	5.12
		eS	37 00	LR	33	1110.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	40 10	LZ	26.0	3206.0		
13	RK-	eP	21 32 22.0	SZ	1.1	81.1	34.8	5.56
		ePCP	34 53	SZ	1.1	26.0		
		ePCS	38 25	LT	25	709.0		
		eL	45 00	LZ	23	1668.3		
13	JE-	eP	21 34 17.4	SZ	0.8	60.7	48.9	5.65
		eL	51 45	LT	20	2155.7		
13	DH-	eP	21 34 26.8	SZ	0.6	*	50.2	
		eL	53 15	LZ	27	1728.2		
13	HW-	eL	21 43 00	LZ	24	709.4	37.5	
							AVG.	5.44
13	21 43 16.5		59.4 N 143.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 5.10 CGS					
13	NP-	eP	21 47 33.1	SZ	1.6	116.5	18.9	4.89
		e	52 32	SZ	4.5	919.0		
		eL	57 10	SZ	6.5	12.4U		
13	MN-	eP	21 48 50.8	SZ	2.1	128.1	26.3	5.17
		eS	53 30	ST	7.0	936.9		
13	RK-	eP	21 49 12.4	SZ	0.5	3.5	28.9	4.38
		eL	58 10	SZ	35.0	262.1U		
							AVG.	4.81
13	MN-	eP	22 20 29.0	SZ	0.2	5.5		
13	MN-	eP	22 28 15.0	SZ	1.5	24.5	2.9	
		eS	28 51	SR	0.5	3.8		
13	DH-	eP	22 38 06.5	SZ	0.4	*		
13	22 49 56.*		51. N 178.8 E RAT ALEUTIAN ISLANDS H= 33 KM MAG 4.40 CGS					
13	23 48 53.*		61. N 149.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
14	01 04 28.8		49.4 N 155.5 E KURILE ISLANDS H= 60 KM MAG 5.20 CGS					
14	NP-	eP	01 12 12.1	SZ	0.6	7.1	41.5	4.64
14	02 28 25.*		15.8 S 177.0 W TONGA ISLANDS REGION H=362 KM MAG 4.10 CGS					
14	02 42 05.*		14.1 N 91.3 W NEAR COAST OF GUATEMALA H=126 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14			41.◦ S 80.8 E KERGUELEN ISLANDS REGION H= 33 KM					
14			6.8 N 72.9 W NORTHERN COLOMBIA H=168 KM MAG 3.80 CGS					
14			20.8 S 69.1 W NORTHERN CHILE H=116 KM MAG 4.00 CGS					
14			60.2 N 146.8 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.10 CGS					
14			39.◦ N 14.5 E TYRRHENIAN SEA H=306 KM MAG 4.30 CGS					
14			56.2 N 154.6 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.10 CGS					
14	NP-	eP	06 58 47.9	SZ	1.0	7.2	23.9	4.13
14	NP-	eP	07 23 56.2	SZ	1.5	18.5		
14			61.4 N 147.0 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.40 CGS					
14			61.◦ N 145.3 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 3.90 CGS					
14			17.5 S 167.9 E NEW HEBRIDES ISLANDS H= 33 KM MAG 4.60 CGS					
14	HW-	eS	09 15 30	LR	22.0	1265.7	51.6	
		eL	22 37	LZ	27	3109.0		
14	MN-	eS	09 22 20	LR	30	680.9	88.7	
		eL	39 12	LZ	32	1908.8		
14	LC-	eL	09 42 48	LZ	32	857.9	95.5	
14	JE-	eL	09 49 20	LZ	30	431.9	107.4	
14	NP-	eL	09 49 25	LZ	28	1514.6	102.9	
14	DH-	eL	09 56 57	LR	32 5	907.1	121.6	
14			56.◦ N 150.0 W PRINCE WILLIAM SOUND. ALASKA H= 25 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14			60.5 N 146.1 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 3.80 CGS					
14			59.9 N 146.8 W PRINCE WILLIAM SOUND. ALASKA H= 20 KM MAG 4.10 CGS					
14			61.3 N 147.3 W PRINCE WILLIAM SOUND. ALASKA H= 30 KM MAG 5.40 CGS					
14	NP-	eP	15 59 15.5	SZ	1.0	20.0	17.8	4.23
		ePP	59 22	SZ	1.5	96.9		
		ePPP	59 27	SZ	1.5	149.4		
		eL	16 05 05	LZ	29	3708.9		
14	MN-	eP	16 01 13.0	SZ	1.0	159.5	29.2	5.75
		eP	01 22	LZ	20	398.2		
		e	06 34	LT	24	1453.1		
		eLR	09 52	LZ	28	3170.2		
14	RK-	eP	16 01 33.9	SZ	0.6	,	30.8	
		eP	01 43	LZ	25	508.6		
		eLQ	10 05	LR	32	4544.7		
		eL	11 12	SR	2.4	251.4		
		eLR	12 30	LZ	27	4175.8		
14	LC-	eP	16 02 37.9	SZ	1.2	59.1	39.0	5.18
		eP	02 40	LZ	20	383.3		
		e	02 50	SZ	1.4	57.9		
		ePPP	04 32	LZ	15	461.2		
		e	09 13	LR	27	885.0		
14	JE-	eP	16 03 34.7	SZ	1.2	107.4	46.1	5.70
14	HW-	eL	16 14 53	LZ	27	1943.1	41.7	
14	DH-	eL	16 19 02	SR	3.0	821.2	46.0	
							AVG.	5.21
14			59.9 N 146.0 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.40 CGS					
14	DH-	eP	16 13 54	LZ	25	1213.2	45.6	
		e	16 34	LR	36	2585.2		
		e	21 33	LZ	23	3455.1		
14	JE-	eL	16 19 28	LR	29	5027.6	45.2	
14	LC-	e	16 11 52	LZ	23.0	676.0		
14	LC-	eLQ	16 13 25	LT	36	2116.8		
14	LC-	eLR	16 15 24	LZ	29	1508.8		
14			8.6 S 117.3 E SUMBAWA ISLAND REGION H= 58 KM MAG 5.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	DH-	eP*1	16 38 25.5	SZ	0.7	30.4	144.8	
14	JE-	eP*1	16 38 25.6	SZ	0.9	107.4	144.3	
14	RK-	eP	16 41 12.4	SZ	0.6	*	.9	
		eS	41 25	ST	1.2			
14	16 59 30.1		61.4 N 150.8 W PRINCE WILLIAM SOUND. ALASKA H= 35 KM MAG 5.10 CGS					
14	NP-	eP	17 03 42.4	SZ	0.6	8.2	18.3	4.10
		eSS	07 22	SR	1.0	20.3		
14	MN-	eP	17 05 43.2	SZ	0.7	26.4	30.6	5.18
		eL	14 56	LZ	27 5	480.9		
14	RK-	eP	17 05 57.6	SZ	0.7	*	32.5	
14	LC-	eP	17 07 08.1	SZ	1.0	8.9	40.6	4.46
		eL	21 32	LR	30	432.2		
14	JE-	eL	17 25 07	LZ	30	388.7	47.8	
							AVG.	4.58
14	MN-	eP	17 34 16.3	SZ	0.3	30.3	1.0	
		eS	34 29	SR	0.3	61.5		
14	LC-	eP	20 31 36.6	SZ	0.2	30.5	1.3	
		eS	31 55	SR	0.3	12.3		
14	DH-	eP	20 40 41.1	SZ	0.4	14.0	1.9	
		eS	41 08	SR	0.5	44.3		
14	21 33 37.3		61. N 147.3 W PRINCE WILLIAM SOUND. ALASKA H= 40 KM MAG 4.20 CGS					
14	NP-	eP	21 37 44.0	SZ	1.0	7.2	18.0	3.80
14	22 29 31.1		59.9 N 145.6 W PRINCE WILLIAM SOUND. ALASKA H= 23 KM MAG 4.50 CGS					
14	NP-	eP	22 33 48.7	SZ	0.6	5.1	18.8	3.94
		e	33 51	SZ	1.0	81.8		
14	RK-	eP	22 35 39.6	SZ	0.9	*	30.1	
		eL	45 42	LR	22	3248.8		
		eL	48 08	LZ	14	2551.0		
14	LC-	eP	22 36 46.1	SZ	1.2	7.8	37.6	4.36
		eL	47 58	LT	25	380.0		
14	MN-	eL	22 42 42	LR	23	618.8	27.6	
							AVG.	4.15

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	22 46 25.*		19.8 S 176.7 W TONGA ISLANDS H=235 KM MAG 4.30 CGS					
14	LC-	eP	22 58 34.8	SZ	0.7	5.7	84.7	4.45
14	DH-	e	22 53 45	LR	18.0	1109.1		
14	JE-	e	22 55 00	LT	17	5430.2		
14	22 55 31.3		58. N 152.6 W PRINCE WILLIAM SOUND. ALASKA H= 30 KM MAG 5.40 CGS					
14	NP-	eP	23 00 22.1	SZ	0.6	29.7	21.8	4.85
		eP	00 23	LZ	18	1612.4		
		e	00 25	SZ	999.9	9999.9		
		eS	04 27	SR	2.3	431.3		
		eS	04 27	LR	24	5724.5		
		e	04 34	SR	1.4	290.3		
		eL	05 42	LR	42	22.6U		
14	MN-	eP	23 01 36.6	SZ	0.6	22.2	29.7	5.13
		eP	01 39	LZ	19	477.4		
		eS	06 37	LR	24	1343.5		
		eLQ	08 22	LR	38	9999.9		
		eLR	09 44	LZ	28	5480.0		
14	RK-	eP	23 02 13.4	SZ	1.1	*	34.0	
		eP	02 15	LZ	11	1656.5		
		e	03 17	SZ	1.1			
		ePP	03 28	SZ	1.1			
		ePCP	04 52	SZ	0.6			
		e	07 50	LZ	21	2060.9		
14	HW-	eP	23 02 47	LZ	15	667.0	38.0	
		eP	02 47.3	SZ	0.8	102.9		5.67
		ePCS	08 55	LR	22	9999.9		
		eL	12 47	LZ	26	5332.8		
14	LC-	eP	23 03 06.2	SZ	0.7	35.0	40.2	5.17
		eP	03 07	LZ	15	560.1		
		e	03 10	SZ	1.1	123.4		
		eS	09 08	LT	20	2084.9		
		eL	12 27	LT	999 9	9999.9		
14	JE-	eP	23 04 11.8	SZ	1.0	49.9	48.2	5.50
		eP	04 13	LZ	16	466.7		
		ePP	06 07	LZ	13	1221.6		
		eS	11 20	LR	24	4270.7		
		eL	15 11	LZ	19	2661.1		
		eLR	19 06	LT	30	6455.0		
14	DH-	eP	23 04 19.0	SZ	0.4	17.5	49.4	5.39
		eS	11 32	LR	27	2285.6		
		eSS	14 56	LT	18	2252.2		
		eL	21 32	LT	22	8824.6		
		eLR	23 30	LZ	20	3326.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	5.28
14	DH-	e	22 57 07	LZ	16	1860.6		
14	JE-	e	22 58 30	LZ	15	1419.8		
14	JE-	e	22 59 11	LZ	12	3395.0		
15	00 58 15.*		17.8 S 178.3 W FIJI ISLANDS H=450 KM MAG 4.00 CGS					
15	03 53 08.*		59.7 N 145.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.70 CGS					
15	NP-	eP	03 57 21.2	SZ	1.0	3.9	18.9	3.62
15	LC-	eP	04 59 31.0	SZ	1.1	8.0		
15	08 23 27.4		57.4 N 149.5 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.90 CGS					
15	NP-	eP	08 28 21.5	SZ	1.0	66.6	21.8	4.99
		e	30 55	SZ	1.3	22.1		
		eL	32 08	LT	15	878.6		
		eS	32 27	SR	1.5	28.9		
15	RK-	eP	08 30 03.2	SZ	1.0	20.0	32.5	4.98
		eL	39 44	LR	25	404.7		
15	LC-	eP	08 30 50.0	SZ	1.3	24.9	38.4	4.78
		eL	42 43	LZ	23	700.2		
15	JE-	eP	08 31 59.8	SZ	1.2	46.1	46.5	5.40
		eL	46 23	LZ	23	1443.9		
15	DH-	eP	08 32 07.0	SZ	0.9	14.5	47.9	5.06
		eL	48 13	LR	25	201.4		
15	MN-	eL	08 36 46	LZ	21	915.4	27.9	
15	HW-	eL	08 40 55	LZ	23	660.7	37.6	
							AVG.	5.04
15	09 24 11.*		60. N 148.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.70 CGS					
15	11 20 31.*		57.8 N 150.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
15	13 37 02.7		43.1 N 111.5 W IDAHO WYOMING BORDER H= 33 KM					
15	14 19 24.*		58.6 N 149.9 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	RK-	eP	14 25 52.0	SZ	0.8	4.4	32.5	4.39
15	15 02 28.*		45.2 S 167.0 E W. SOUTH IS., NEW ZEALAND H= 33 KM MAG 4.90 CGS					
15	15 30 47.1		56.5 N 154.4 W PRINCE WILLIAM SOUND, ALASKA H= 35 KM MAG 5.50 CGS					
15	NP-	iP	15 35 55.6C	SZ	0.8	256.5	23.6	5.76
		eP	35 56	LZ	18	6091.5		
		e	38 30	ST	1.6	248.3		
		eS	40 11	LT	18	18.1U		
		eS	40 13	ST	2.5	1372.6		
		eLR	43 36	LZ	29	23.0U		
15	MN-	eP	15 36 55	LZ	24	1411.2	30.0	
		ePCP	40 00	LZ	22	1035.0		
		eS	41 41	LR	16	5542.9		
		eL	45 00	LZ	16	9999.9		
15	RK-	eP	15 37 40.0	SZ	0.9	26.9	35.4	5.15
		eP	37 43	LZ	14	609.9		
		eS	43 14	LR	20	4621.7		
		eS	43 14	ST	3.9	931.5		
		eL	48 54	ST	2.1	271.1		
		eL	50 00	LZ	22	10.2U		
		eL	50 04	SR	2.9	475.0		
15	HW-	eP	15 37 51.7	SZ	0.7	39.4	36.5	5.35
		eP	37 52	LZ	17	1139.8		
		e	43 17	LZ	21	4216.4		
		eL	46 25	LZ	20	9999.9		
15	LC-	eP	15 38 25.9	SZ	1.5	129.8	40.6	5.45
		eP	38 27	LZ	24	911.5		
		e	38 32	SZ	1.0	68.8		
		e	39 14	SZ	1.4	86.5		
		ePP	40 00	SZ	1.5	61.1		
		ePP	40 00	LZ	20	832.2		
		eSCP	44 10	LZ	18	1086.5		
		eSCP	44 14	SZ	1.3	19.9		
		eS	44 36	LR	18	9999.9		
		eLQ	47 09	LT	17	1461.9		
		eLR	51 20	LZ	25	10.6U		
		eL	53 40	SZ	17.5	18.2U		
15	JE-	eP	15 39 32.7	SZ	0.8	23.6	49.1	5.23
		eP	39 36	LZ	15	1601.0		
		ePP	41 31	LZ	18	1821.4		
		eS	46 40	LR	22	10.4U		
		eSS	50 11	LR	18	8803.8		
		eLQ	54 57	LR	23	8663.6		
		eLR	57 09	LZ	23	9987.2		
15	DH-	eP	15 39 45.7	SZ	0.8	22.3	50.8	5.17
		eP	39 51	LZ	15	202.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePPP	42 33	LZ	25.0	392.0		
		e	46 59	LZ	20	4238.9		
		e	50 38	LZ	19	5296.1		
						AVG.		5.35
15	LC-	eP	16 20 46.3	SZ	0.2	25.9	1.4	
		eS	21 05	ST	0.3	5.2		
15	16 35 57.5		21.7 N 88.0 E INDIA EAST PAKISTAN BORDER H= 36 KM MAG 5.50 CGS					
15	NP-	eP	16 48 09.2	SZ	0.8	16.2	80.8	5.02
15	LC-	eP	16 54 55.9	SZ	0.7	2.5	124.4	
15	16 52 26.		37.7 S 107.5 E OFF NORTH IS., NEW ZEALAND H= 41 KM MAG 5.50 CGS					
15	NP-	ePD	17 08 55	SZ	0.7	7.7	136.1	
		e	11 10	SZ	0.7	2.5		
15	DH-	eP	17 37 56.7	SZ	0.8	11.1		
15	HW-	eL	18 19 06	LZ	24	415.8		
15	NP-	eP	18 25 11.6	SZ	0.6	8.8		
15	LC-	eP	19 59 53.7	SZ	0.2	19.7	1.4	
		eS	20 00 13	SR	0.3	8.0		
15	20 30 35.9		56.8 N 154.2 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.70 CGS					
15	RK-	eP	20 37 30.0	SZ	0.8	2.9	35.2	4.25
15	MN-	eL	20 45 16	LZ	19	368.7	30.0	
15	LC-	eL	20 51 47	LZ	22	169.7	40.5	
15	21 35 18.2		19.7 S 175.6 W TONGA ISLANDS H=172 KM MAG 4.20 CGS					
15	LC-	eP	21 47 31.6	SZ	0.9	11.9	83.9	4.68
15	22 40 45.5		45.3 N 18.1 E NORTHERN YUGOSLAVIA H= 33 KM MAG 4.60 CGS					
16	00 05 13.*		56.4 N 149.2 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	NP-	eP	00 10 15.2	SZ	0.8	8.8	22.7	4.28
16	01 04 34.5		37. N 142.7 E OFF EAST COAST HONSHU, JAPAN H= 38 KM MAG 5.10 CGS					
16	NP-	eP	01 14 12.2	SZ	1.0	27.6	56.3	5.24
		e	15 52	SZ	1.6	46.0		
		eL	34 20	LZ	25	1266.0		
16	MN-	eP	01 16 10.0	SZ	0.7	2.0	74.3	4.20
		eLQ	35 38	LT	30	1955.6		
		eLR	40 07	LZ	20	542.6		
16	RK-	eP	01 16 37.8	SZ	0.7	5.2	79.5	4.57
		eS	26 38	LR	16	81.9		
		eSS	31 55	LR	19	556.4		
		eL	35 14	LR	20	257.9		
16	LC-	eP	01 17 10.0	SZ	0.7	3.1	85.4	4.52
		e	19 27	LZ	15	164.7		
		eSKS	27 45	LT	20	653.1		
		ePS	28 35	LR	25	411.5		
		e	32 26	LR	23	256.0		
		eLQ	40 20	LT	25	512.0		
		eLR	41 50	LT	25	743.8		
16	HW-	eS	01 22 08	LR	18	2455.0	55.8	
		eLQ	27 40	LR	20	1749.6		
		eLR	29 45	LZ	13	1329.6		
16	JE-	eL	01 48 08	LT	20	794.2	94.6	
16	DH-	eL	01 51 23	LR	20	392.9	94.0	
						AVG.		4.63
16	NP-	eP	01 38 27.3	SZ	0.5	2.0		
		eS	39 09	SR	0.4	8.8	3.6	
16	02 35 48.9		21.5 S 170.5 E LOYALTY ISLANDS REGION H=110 KM MAG 4.60 CGS					
16	NP-	eP	02 53 59.0	SZ	0.6	4.8	106.1	
16	RK-	eL	03 34 50	LT	43	278.1	110.0	
16	03 19 34.8		57.2 N 151.4 W PRINCE WILLIAM SOUND, ALASKA H= 10 KM MAG 5.00 CGS					
16	NP-	eP	03 24 34.8	SZ	0.6	2.4	22.3	3.82
		e	24 41	SZ	0.8	38.3		
		eS	28 40	ST	1.9	57.1		
16	RK-	eP	03 26 16.3	SZ	1.0	42.3	33.6	5.32
16	LC-	eP	03 27 00.0	SZ	1.0	37.1	39.3	5.00
		eLR	40 06	LZ	30	469.0		
16	JE-	eP	03 28 12.0	SZ	0.8	48.7	47.5	5.65

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	44 30	LZ	25.0	146.6		
16	DH-	eP	03 28 22.4	SZ	0.5	14.7	49.0	5.26
							AVG.	5.01
16			04 16 41.*	31.6 N 113.6 W GULF OF CALIFORNIA				
				H= 33 KM MAG 4.50 CGS				
16	MN-	eP	04 18 36.0	SZ	1.0	2.5	7.8	4.17
		e	19 08	SZ	0.9	5.7		
		eL	21 03	SR	1.4	8.2		
16	LC-	e	04 18 50	SZ	0.3	.9	6.0	
		eL	20 09	ST	0.7	3.0		
		eL	20 16	LR	17	603.4		
16			04 56 47.*	31.8 N 113.7 W GULF OF CALIFORNIA				
				H= 19 KM MAG 4.75 CGS				
16	LC-	eP	04 58 08.5	SZ	0.3	3.6	6.1	4.59
		e	05 00 10	ST	0.9	11.2		
		eL	00 12	LR	17	1075.2		
		eL	00 40	SZ	1.2	25.6		
16	MN-	eLQ	05 01 24	LR	12	1127.9	7.6	
		eLR	02 06	LZ	13	868.0		
16	RK-	eP	05 01 56.0	SZ	0.7	5.2	24.1	4.17
							AVG.	4.38
16	DH-	e	05 20 55	LZ	30	1020.1		
16	DH-	eL	05 30 15	LZ	35	1823.7		
16			06 20 08.2	30.8 N 113.9 W GULF OF CALIFORNIA				
				H= 33 KM MAG 4.87 CGS				
16	LC-	eP	06 21 42.7	SZ	0.5	2.9	6.4	4.26
		eL	22 59	ST	0.5	6.8		
		eLR	23 47	LZ	27	9999.9		
16	MN-	eP	06 22 12.6	SZ	2.0	26.0	8.4	5.00
		e	22 44	SZ	2.0	88.5		
		eLQ	24 30	LT	23	3964.7		
		eL	24 43	ST	1.3	37.2		
		eLR	25 40	LZ	13	7378.6		
16	RK-	eP	06 25 30.3	SZ	0.7	7.8	25.1	4.45
		eL	33 20	LT	25	512.4		
16	JE-	eS	06 28 15	LR	8	2284.4	18.7	
		eLQ	30 40	LR	20	1026.5		
		eLR	32 21	LZ	16	131.6		
16	NP-	eP	06 28 25.2	SZ	1.5	14.1	45.6	4.67
16	DH-	eSCP	06 32 50	LZ	33	1391.0	33.1	
		e	36 12	LZ	50	3846.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	39 20	LZ	30.0	918.1		
							AVG.	4.59
16			06 21 32.3	45.1 N 151.3 E KURILE ISLANDS				
				H= 33 KM MAG 4.80 CGS				
16	NP-	eP	06 29 58.0	SZ	0.8	9.5	46.6	4.85
16	RK-	eP	06 32 36.0	SZ	1.0	26.4	69.2	5.28
							AVG.	5.06
16			06 45 44.*	32.5 N 113.2 W SOUTHERN ARIZONA				
				H= 33 KM MAG 4.10 CGS				
16			07 03 34.*	31.3 N 113.7 W GULF OF CALIFORNIA				
				H= 33 KM MAG 4.75 CGS				
16	LC-	eP	07 05 01.3	SZ	0.3	2.7	6.1	4.39
		e	06 18	ST	0.3	7.3		
		eL	07 03	ST	1.0	23.1		
		eLR	07 06	LZ	25	1443.8		
16	MN-	eP	07 05 30.0	SZ	0.5	.9	8.0	4.08
		e	06 05	SZ	1.2	17.9		
		eLQ	07 56	LT	20	1492.0		
		eL	08 04	ST	1.7	31.5		
		eLR	09 02	LZ	13	1736.1		
16	RK-	eP	07 08 49.5	SZ	0.7	6.5	24.5	4.31
		eL	16 40	LT	25	279.5		
16	JE-	eL	07 15 00	LZ	18	522.3	18.5	
16	DH-	eL	07 21 10	LT	21	459.7	32.7	
							AVG.	4.26
16	JE-	eP	07 24 27.5	SZ	2.0	192.9		
16	NP-	eP	07 31 59.5	SZ	1.0	12.7		
16			07 37 35.8	59.6 N 146.9 W PRINCE WILLIAM SOUND, ALASKA				
				H= 33 KM MAG 4.30 CGS				
16	RK-	eL	07 53 30	LT	20	188.0	30.8	
16	LC-	eL	07 58 30	LZ	25	151.9	38.1	
16	DH-	eL	08 02 20	LR	20	785.9	46.1	
16	JE-	eL	08 03 18	LR	18	1226.7	45.5	
16	LC-	e	07 49 55	ST	1.0	4.8		
16	MN-	eP	08 04 16.0	SZ	0.5	.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	MN=	eL	08 05 23	ST	0.7	2.0		
16	09 18 12.*		31.1 N 113.8 W GULF OF CALIFORNIA					
			H= 29 KM MAG 4.75 CGS					
16	LC=	eP	09 19 43.6	SZ	0.5	4.8	6.3	4.48
		eLR	21 43	LZ	25	9999.9		
		eL	21 58	ST	0.7	10.8		
16	MN=	eP	09 20 14.5	SZ	2.0	15.6	8.1	4.74
		e	20 48	SZ	1.7	45.1		
		eLQ	22 30	LT	19	2140.7		
		eL	22 55	SR	1.9	143.6		
		eLR	23 40	LZ	13	2517.4		
16	JE=	eL	09 27 45	LZ	30	217.5	18.6	
16	RK=	eL	09 31 17	LT	27	465.8	24.8	
16	DH=	eL	09 35 20	LT	27	769.4	32.9	
							AVG.	4.61
16	11 20 25.*		14. N 90.0 W GUATEMALA					
			H=209 KM MAG 3.70 CGS					
16	11 45 36.9		23.8 S 180.0 SOUTH OF FIJI ISLANDS					
			H=530 KM MAG 4.50 CGS					
16	11 56 04.5		58.3 N 150.7 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.40 CGS					
16	NP=	eP	12 00 48.5	SZ	0.7	2.7	21.2	3.72
		e	00 52	SZ	0.8	25.5		
		eS	04 51	SR	1.1	7.2		
16	RK=	eP	12 02 37.1	SZ	0.7	6.5	33.0	4.64
		eL	11 20	LT	35	180.8		
16	MN=	eL	12 09 50	LT	24	249.4	28.9	
16	LC=	eLQ	12 14 27	LT	30	344.0	39.3	
		eLR	17 23	LZ	17	267.4		
16	DH=	eL	12 21 18	LR	20	235.7	48.3	
16	JE=	eL	12 21 42	LR	17	358.0	47.2	
							AVG.	4.18
16	12 11 15.7		58.2 N 152.5 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.50 CGS					
16	NP=	eP	12 16 04.2	SZ	0.5	5.0	21.6	4.15
		e	16 08	SZ	0.8	102.3		
		eS	20 07	SR	1.2	9.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	MN=	eP	12 17 20.5	SZ	0.9	5.7	29.7	4.36
16	LC=	eP	12 18 51.2	SZ	1.0	3.8	40.2	4.06
		eLQ	32 09	LT	32	202.9		
		eLR	33 23	LZ	23	312.0		
							AVG.	4.19
16	12 46 09.9		45.3 N 150.4 E KURILE ISLANDS					
			H= 33 KM MAG 4.60 CGS					
16	NP=	eP	12 54 35.0	SZ	1.0	6.3	46.6	4.58
16	LC=	eP	12 57 41.0	SZ	0.7	5.1	75.9	4.66
16	MN=	eP	13 00 08.5	SZ	0.5	9999.9	AVG.	4.62
		eS	00 19	ST	0.3	3.6	.8	
16	13 43 08.9		52.1 N 169.4 W FOX ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.90 CGS					
16	NP=	eP	13 49 21.5	SZ	0.5	7.0	30.8	4.77
		ePCP	52 21	SZ	1.0	29.7		
		eSCP	55 59	SZ	1.5	18.9		
		eL	58 00	LZ	25	949.5		
16	HW=	eP	13 49 58	LZ	20	298.4	33.8	
		e	55 15	LZ	20	937.8		
		eLQ	57 00	LR	20	2114.1		
		eLR	58 26	LZ	22	1693.2		
16	MN=	eP	13 50 26.5	SZ	1.3	6.4	37.8	4.26
		eP	50 29	LZ	20	187.8		
		eS	56 25	LR	20	1576.9		
		eLQ	59 10	LT	23	1982.3		
		eLR	14 41 10	LZ	23	1112.1		
16	RK=	eP	13 51 23.2	SZ	1.0	34.3	45.2	5.19
		eP	51 30	LZ	20	294.5		
		ePP	53 36	LZ	18	270.7		
		eS	58 03	LR	20	1311.2		
		eSS	14 01 35	LR	16	3278.9		
		eLQ	03 30	LR	37	2287.6		
		eLR	07 22	LR	30	3793.0		
16	LC=	eP	13 51 53.0	SZ	1.0	7.6	48.8	4.66
		eP	52 00	LZ	17	240.6		
		eS	59 10	LR	24	1353.2		
		eSS	14 02 42	LR	22	1508.6		
		eL	06 20	LZ	15	889.5		
16	DH=	eP	13 53 17.0	SZ	0.5	11.0	60.6	5.20
16	DH=	e	13 53 25	LZ	14	346.8	45.2	
16	DH=	e	13 53 31	SZ	0.9	75.2	60.6	
16	DH=	eSCS	14 01 35	LR	18	1536.8	45.2	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		...						
		eL	14 13	LR	15.0	2476.5		
16	JE-	eP	13 53 20	LZ	15	317.8	58.2	
		eS	14 01 05	LT	20	1058.9		
		e	02 00	LZ	22	214.9		
		e	06 05	LZ	22	394.1		
		eL	07 38	LT	18	862.8		
							AVG.	4.81
16	14 05 14.9		7. S 155.7 E SOLOMON ISLANDS					
			H= 78 KM MAG 5.40 CGS					
16	MN-	eP	14 18 14.5	SZ	2.0	15.6	91.3	4.94
16	RK-	eL	14 51 56	LZ	15	1006.0	108.4	
16	14 12 37.6		52.3 N 169.9 W FOX ALEUTIAN ISLANDS					
			H= 40 KM MAG 3.90 CGS					
16	NP-	e	14 18 31	SZ	0.9	7.5	30.7	
		ePCP	21 49	SZ	0.8	4.7		
		e	22 35	SZ	2.0	40.5		
16	14 21 36.2		57.6 N 150.9 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.60 CGS					
16	NP-	eP	14 26 27.5	SZ	1.1	5.0	21.9	3.82
		e	26 31	SZ	1.0	17.0		
16	14 31 16.3		61.4 N 149.2 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.60 CGS					
16	MN-	eP	14 37 23.5	SZ	1.0	11.6	30.0	4.63
16	MN-	eP	15 35 51.8	SZ	0.5	9999.9	1.1	
		eS	36 07	SR	0.7	9999.9		
16	17 08 27.*		59.5 N 147.8 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.50 CGS					
16	NP-	eP	17 12 53.5	SZ	1.0	4.2	19.5	3.66
16	19 26 57.4		56.4 N 152.9 W PRINCE WILLIAM SOUND, ALASKA					
			H= 30 KM MAG 5.50 CGS					
16	NP-	iP	19 32 04.5C	SZ	999.9	9999.9	23.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		...						
		eP	32 06	LZ	23.0	13.1U		
		eS	36 21	SR	1.5	121.5		
		e	36 30	LZ	999 9	9999.9		
		eL	38 21	SZ	2.0	243.1		
		eL	39 20	LR	32	38.3U		
16	MN-	eP	19 32 57.4	SZ	1.0	9999.9U	29.2	
		eP	33 00	LZ	17	9999.9U		
		eS	37 50	LT	999 9	9999.9U		
		eS	37 53	SR	5.0	1296.6		
		eL	41 34	SR	11.0	6240.3		
16	RK-	eP	19 33 48	LZ	19	1618.8	34.6	
		eS	39 19	LT	15	9999.9		
		e	44 06	ST	2.0	181.8		
16	HW-	eP	19 34 00	LZ	18	3982.5	36.4	
		eP	34 05.0	SZ	0.7	57.4		5.52
		ePP	35 20	LZ	15	4029.6		
		ePP	35 25	SZ	1.0	153.8		
		eS	40 00	LT	19	6550.6		
		eSS	42 20	LR	23	14.9U		
		eL	43 25	LZ	999 9	9999.9U		
16	LC-	eP	19 34 30.0	SZ	1.0	32.0	39.8	4.97
		eP	34 30	LZ	23	9999.9		
		e	40 25	LZ	999 9	9999.9		
		eL	48 58	SR	20.0	24.5U		
16	JE-	eP	19 35 37.2	SZ	0.9	118.7	48.2	5.92
		eP	35 38	LZ	17	4557.9		
		ePP	37 28	LZ	17	4729.9		
		eS	42 36	LR	20	32.0U		
		eSCS	45 15	LT	22	12.4U		
		eL	50 40	LR	25	30.7U		
16	DH-	eP	19 35 50.5	SZ	1.0	39.1	50.0	5.29
							AVG.	5.42
16	20 12 36.8		56.6 N 152.8 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 5.00 CGS					
16	NP-	eP	20 17 42.0	SZ	0.9	17.0	23.2	4.52
16	MN-	eP	20 19 21.7	SZ	0.5	9999.9	.8	
		eS	19 34	ST	0.5	9999.9		
16	21 25 46.*		58.9 N 148.8 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM					
17	01 15 01.*		3.7 N 127.7 E TALAUD ISLANDS					
			H= 34 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17			02 22 18.*	60.3 N 146.9 W PRINCE WILLIAM SOUND, ALASKA				
				H= 33 KM MAG 3.60 CGS				
17			02 58 27.	36.7 N 140.5 E HONSHU, JAPAN				
				H= 68 KM MAG 4.90 CGS				
17	NP-	eP	03 08 07.5	SZ	0.8	7.5	57.0	4.78
17			04 03 55.9	59.6 N 144.7 W PRINCE WILLIAM SOUND, ALASKA				
				H= 20 KM MAG 4.90 CGS				
17	NP-	eP	04 08 17.3	SZ	0.5	11.5	18.9	4.37
17			04 16 59.4	59.6 N 144.7 W PRINCE WILLIAM SOUND, ALASKA				
				H= 33 KM MAG 4.90 CGS				
17			04 44 37.*	22.5 S 10.8 W SOUTH ATLANTIC OCEAN				
				H= 33 KM MAG 5.30 CGS				
17			04 49 30.5	56.4 N 152.9 W PRINCE WILLIAM SOUND, ALASKA				
				H= 25 KM MAG 5.30 CGS				
17	NP-	eP	04 54 37.9	SZ	0.7	94.1	23.4	5.39
		eP	54 42	LZ	21	5249.1		
		eL	58 56	SR	2.8	426.1		
		eS	59 05	LT	16	38.3U		
		eL	05 00 28	LT	30	14.3U		
17	MN-	eP	04 55 30	LZ	17	2169.8	29.2	
		eP	55 30.1	SZ	0.6	1.6		3.99
		e	55 32	SZ	1.0	17.2		
		eS	05 00 29	LR	19	2809.4		
		eLQ	02 07	LT	36	10.8U		
		eLR	03 37	LZ	999 9	9999.9U		
		eL	05 15	SR	11.0	7434.8		
17	RK-	eP	04 56 23	LZ	14	1553.2	34.6	
		eS	05 01 52	LR	20	3766.4		
		eL	03 45	LR	18	5168.3		
17	HW-	eP	04 56 41	LZ	17	1320.5	36.4	
		ePP	58 02	LZ	14	1529.4		
		eSCP	05 02 30	LZ	18	4142.4		
		eSS	04 28	LR	17	5847.9		
		eLR	06 07	LZ	23	6759.7		
17	LC-	eP	04 57 03.7	SZ	1.1	35.2	39.8	4.96
		e	57 11	SZ	1.2	51.9		
		eP	57 12	LZ	19	1183.0		
		ePP	58 38	LZ	17	1673.3		
		eL	05 03 12	LZ	15	2104.0		
		eL	12 15	SZ	17.0	13.5U		
17	JE-	eP	04 58 11.7	SZ	0.9	115.3	48.2	5.92

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	58 13	LZ	16.0	1326.8		
		e	58 17	SZ	0.8	41.4		
		ePP	05 00 18	LZ	15	2112.6		
		eS	05 12	LR	22	9035.9		
		e	09 20	LZ	18	3944.2		
		eL	13 13	LT	25	8220.9		
17	DH-	eP	04 58 24	LZ	13	1518.4	50.0	
		eP	58 24.1	SZ	0.8	67.7		5.63
		e	59 13	LZ	15	774.6		
		eS	05 05 38	LR	22	2579.9		
		eSCS	08 13	LR	21	1796.5		
		eL	13 52	LR	24	5079.9		
17	MN-	eP	05 02 52.1	SZ	0.3	4.7	AVG. 1.5	5.17
		eS	03 11	SR	0.3	9999.9		
17	NP-	eP	05 21 19.5	SZ	0.5	16.3		
17			06 00 00.2	6.6 S 154.9 E SOLOMON ISLANDS				
				H= 85 KM MAG 5.40 CGS				
17	HW-	eP	06 09 26.4	SZ	0.5	75.4	55.3	5.98
		e	09 28	SZ	0.6	167.3		
		e	23 32	LR	25	2201.1		
		eLQ	24 36	LR	35	3819.7		
		eLR	25 51	LZ	26	4315.8		
17	MN-	eP	06 13 00.1	SZ	0.7	17.9	91.7	5.48
		e	13 35	SZ	1.0	21.1		
		eLQ	42 28	LR	27	1371.5		
		eLR	45 11	LZ	23	3572.2		
17	NP-	eP	06 13 15.1	SZ	1.2	52.4	95.3	5.87
		eL	45 15	LZ	35	1522.6		
17	LC-	eP	06 13 44.7	SZ	0.6	2.1	100.7	4.95
		eL	46 23	LZ	35	9999.9		
17	DH-	eP	06 18 48.8	SZ	0.7	28.4	123.6	
		eL	58 08	LZ	37	2135.2		
17	RK-	eL	06 51 52	LZ	30	1919.0	108.6	
17	JE-	eL	06 53 16	LR	30	1972.3	113.1	
							AVG.	5.57
17			06 53 43.6	44.1 N 114.3 W SOUTH CENTRAL IDAHO				
				H= 33 KM MAG 3.60 CGS				
17			07 26 39.*	61.1 N 149.4 W PRINCE WILLIAM SOUND, ALASKA				
				H= 33 KM MAG 4.40 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	09 09 07.8		57.7 N 151.4 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 5.40 CGS					
17	NP-	eP	09 14 01.8	SZ	1.1	151.8	21.9	5.31
		eP	14 07	LZ	17	1054.5		
		ePCP	17 59	SZ	0.9	46.8		
		ePCP	18 11	LZ	18	3583.2		
		e	18 21	ST	1.6	115.4		
		ePCS	21 36	SR	1.0	22.9		
		eL	23 54	LZ	16	3144.5		
17	MN-	eP	09 15 08.7	SZ	1.1	19.3	29.0	4.81
		eP	15 10	LZ	22	352.8		
		eS	20 07	LR	26	1480.4		
		eSS	21 40	LR	20	1544.5		
		eL	23 30	LZ	22	2624.0		
17	RK-	eP	09 15 46.3	SZ	0.9	;	33.5	
		eP	15 52	LZ	20	543.8		
		e	16 19	SZ	1.1			
		eS	20 55	LT	20	1648.1		
		eLQ	26 48	LR	15	4436.3		
		eLR	28 28	LZ	25	4131.7		
17	LC-	eP	09 16 39.2	SZ	1.2	107.8	39.5	5.40
		eP	16 42	LZ	22	230.0		
		e	16 46	SZ	1.2	31.9		
		e	17 05	SZ	1.0	22.0		
		ePCP	18 20	LZ	20	296.7		
		ePCP	18 45	SZ	1.0	12.9		
		ePCS	22 36	LR	15	1687.5		
		e	25 38	LZ	15	605.6		
		eL	28 10	LT	25	1258.0		
17	JE-	eP	09 17 44	LZ	13	707.8	47.5	
		eP	17 44.4	SZ	0.9	100.0		5.89
		e	18 15	SZ	1.0	30.0		
		ePCP	19 42	LZ	14	518.5		
		eS	25 00	LR	28	3170.2		
		e	28 45	LZ	16	1634.5		
		eL	34 03	LT	20	2294.4		
17	DH-	eP	09 17 53.8	SZ	1.1	82.4	48.8	5.67
		eP	17 57	LZ	15	348.6		
		e	18 07	SZ	1.2	58.7		
		eS	25 00	LR	15	1186.6		
		e	28 42	LZ	16	721.8		
		eL	35 53	LR	22	1519.3		
17	HW-	eSCP	09 22 24	LZ	16	464.0	37.8	
		eL	26 19	LZ	25	2130.7		
							AVG.	5.41
17	09 28 46.6		20.7 S 69.6 W NEAR COAST OF NORTHERN CHILE H= 33 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	MN-	eP	09 50 09.7	SZ	999.9	9999.9		
17	09 59 52.4		60.4 N 145.9 W PRINCE WILLIAM SOUND; ALASKA H= 20 KM MAG 4.90 CGS					
17	NP-	eP	10 04 06.6	SZ	1.0	20.1	18.4	4.26
		e	04 18	SZ	0.9	27.0		
17	MN-	eP	10 05 44.9	SZ	1.3	15.0	28.1	4.62
		eL	14 16	LZ	20	1479.4		
17	RK-	eP	10 06 02.5	SZ	1.3	;	30.2	
		eL	18 31	LZ	18	1796.8		
17	LC-	eP	10 07 11.4	SZ	1.1	7.0	38.0	4.35
		eL	20 33	LZ	24	550.0		
17	HW-	eL	10 19 10	LZ	23	471.6	41.0	
17	DH-	eL	10 21 53	LR	32	846.9	45.5	
17	JE-	eL	10 24 22	LT	24	4734.6	45.2	
							AVG.	4.41
17	11 48 44.7		60. N 145.5 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 4.40 CGS					
17	NP-	eP	11 53 01.5	SZ	0.7	7.9	18.7	4.06
		e	53 04	SZ	0.9	36.0		
17	MN-	eP	11 54 31.5	SZ	1.0	4.7	27.7	4.18
		eL	12 02 54	LZ	22	286.6		
17	RK-	eP	11 54 51.6	SZ	1.0	;	30.1	
		e	54 55	SZ	1.2			
		eL	12 07 21	LZ	14	698.9		
17	LC-	eL	12 09 00	LZ	26	120.2	37.6	
							AVG.	4.12
17	12 06 00.*		60.4 N 145.0 W PRINCE WILLIAM SOUND; ALASKA H= 33 KM MAG 3.80 CGS					
17	14 23 31.*		1.6 S 133.4 E NEAR COAST OF W. NEW GUINEA H= 33 KM					
17	14 44 20.8		16.2 S 167.7 E NEW HEBRIDES ISLANDS H= 65 KM MAG 4.20 CGS					
17	MN-	eP	15 30 29.2	SZ	0.3	1.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	18 11 45.6		38.9 N 20.9 E CENTRAL GREECE H= 45 KM MAG 4.10 CGS					
17	LC=	eP	18 48 24.8	SZ	0.3	14.8	1.5	
		eS	48 44	ST	0.3	11.5		
17	DH=	eP	19 16 25.2	SZ	0.4	23.0	1.8	
		eS	16 50	SR	0.4	50.7		
17	LC=	eP	20 06 53.5	SZ	0.5	1.9	1.7	
		eS	07 18	SR	0.4	2.9		
17	20 52 16.1		24.8 S 70.3 W NORTHERN CHILE H= 65 KM MAG 4.20 CGS					
17	MN=	eP	22 10 26.7	SZ	0.5	1.1		
18	00 13 24.4		59.6 N 144.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					
18	NP=	eP	00 17 44.8	SZ	0.8	4.6	18.9	3.79
18	RK=	eP	00 19 30.0	SZ	1.0	12.5	29.8	4.66
						AVG.		4.22
18	LC=	eP	00 48 45.4	SZ	0.8	3.7		
18	01 32 18.4		56.4 N 152.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 5.00 CGS					
18	NP=	eP	01 37 25.7	SZ	1.0	33.0	23.4	4.77
		e	38 01	SZ	0.9	25.8		
18	RK=	eP	01 39 05.5	SZ	0.9	3.8	34.6	4.32
		eL	44 00	LR	10	2032.5		
18	LC=	eP	01 39 54.3	SZ	1.0	5.1	39.8	4.18
		eSS	49 06	LT	20	146.2		
		eLQ	51 46	LT	21	200.4		
		eLR	54 58	LZ	17	184.1		
18	JE=	eL	02 01 39	LT	22	504.1	48.2	
						AVG.		4.42
18	02 57 28.*		44.7 N 130.2 W OFF COAST OF OREGON H= 33 KM MAG 3.70 CGS					
18	03 06 43.5		56.7 N 148.9 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	NP=	eP	03 11 41.5	SZ	0.9	40.5	22.4	4.85
18	LC=	eP	03 13 59.1	SZ	1.3	7.3	37.8	4.32
		eL	24 30	LT	22	283.3		
18	RK=	eL	03 22 25	LR	19	381.0	32.4	
							AVG.	4.58
18	05 27 44.6		45.5 N 151.1 E KURILE ISLANDS H= 33 KM MAG 5.30 CGS					
18	NP=	eP	05 36 09.0	SZ	0.6	4.6	46.2	4.64
		eSCP	41 36	SZ	1.6	22.3		
		eS	42 56	ST	1.7	34.8		
18	RK=	eP	05 38 47.7	SZ	0.9	19.2	68.9	5.20
		eS	47 45	LR	23	570.5		
		eSS	52 30	LR	25	340.4		
		eL	55 47	LR	24	526.5		
		eL	06 03 50	LR	27	2226.6		
18	LC=	eP	05 39 27.2	SZ	0.9	3.9	75.4	4.40
		eS	49 13	LT	20	526.4		
		eSS	54 16	LR	28	362.9		
		eSSS	57 25	LR	23	167.1		
		eLQ	06 00 00	LT	30	1089.3		
		eLR	08 55	LZ	21	664.6		
18	DH=	eP	05 40 11.0	SZ	0.9	13.9	83.5	5.09
		eL	06 09 55	LR	23	512.9		
18	HW=	eS	05 44 00	LT	18	1024.5	50.4	
		eL	50 43	LZ	25	1255.7		
18	JE=	eL	06 06 20	LT	28	468.5	84.2	
							AVG.	4.83
18	05 55 40.5		45.4 N 151.5 E KURILE ISLANDS H= 33 KM MAG 4.90 CGS					
18	RK=	eP	06 06 42.6	SZ	0.8	2.9	68.8	4.44
18	06 27 02.2		45.6 N 151.3 E KURILE ISLANDS H= 50 KM MAG 4.10 CGS					
18	07 10 58.5		60.8 N 145.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
18	NP=	eP	07 15 05.8	SZ	0.6	4.6	17.9	3.82
18	07 16 36.4		59.1 N 147.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	NP-	eP	07 21 06.9	SZ	0.7	8.1	19.9	4.10
18	RK-	eP	07 22 54.3	SZ	0.8	7.3	31.3	4.60
18	LC-	eP	07 23 55.2	SZ	0.8	2.2	38.2	4.01
							AVG.	4.23
18	07 44 03.*		60.2 N 147.6 W ALASKA AFTERSHOCK H= 33 KM MAG 3.90 CGS					
18	LC-	eP	07 51 27.0	SZ	0.9	1.9	38.7	3.86
18	07 45 47.6		56.5 N 153.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
18	RK-	eP	07 52 35.4	SZ	0.9	5.7	34.6	4.49
		e	53 35	SZ	0.9	25.0		
		eL	08 04 00	LR	16	436.6		
18	07 47 03.3		57.4 N 149.8 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 5.10 CGS					
18	NP-	eP	07 51 56.0	SZ	0.7	16.3	21.9	4.53
		e	55 53	SZ	0.6	5.8		
		eS	56 01	ST	1.5	36.9		
18	LC-	eP	07 54 25.5	SZ	1.2	11.8	38.5	4.52
		ePCP	56 36	SZ	0.7	3.1		
		e	59 34	LR	21	168.9		
		eL	08 05 45	LT	24	275.7		
18	DH-	eP	07 55 42.3	SZ	0.9	27.8	48.1	5.30
18	JE-	eL	08 11 48	LT	17	403.3	46.6	
							AVG.	4.78
18	07 58 26.9		29. N 129.8 E RYUKYU ISLANDS H= 33 KM MAG 4.90 CGS					
18	NP-	eP	08 09 11.4C	SZ	0.6	36.1	66.8	5.68
18	RK-	eP	08 11 27.3	SZ	0.5	3.7	91.7	4.97
18	HW-	eL	08 30 00	LZ	24	674.2	67.4	
							AVG.	5.32
18	10 54 27.*		54.3 N 179.7 W ANDREANOF ALEUTIAN ISLANDS H= 33 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	11 57 47.*		45.4 N 151.5 E KURILE ISLANDS H= 33 KM MAG 4.20 CGS					
18	12 41 39.*		57.4 N 154.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.80 CGS					
18	LC-	eP	14 13 16.5	SZ	0.8	2.2		
18	LC-	eL	14 19 21	LZ	24	176.5		
18	15 14 42.9		57.4 N 152.3 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					
18	NP-	eP	15 19 41.5	SZ	0.7	8.1	22.3	4.25
18	RK-	eP	15 21 24.2	SZ	1.0	5.0	34.0	4.37
18	LC-	eP	15 22 15.2	SZ	1.1	11.0	39.8	4.48
		eL	35 15	LZ	22	109.5		
							AVG.	4.36
18	16 19 06.*		20.7 N 141.8 E MARIANA ISLANDS REGION H=300 KM MAG 4.30 CGS					
18	DH-	eP	16 22 02.5	SZ	0.5	6.8		
18	17 16 44.*		57.1 N 150.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.00 CGS					
18	NP-	eP	17 21 40.0	SZ	0.8	4.6	22.3	3.95
18	17 32 19.*		56.9 N 151.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
18	NP-	eP	17 37 17.6	SZ	0.7	6.7	22.6	4.19
18	17 56 16.2		15. S 174.3 W SAMOA ISLANDS REGION H= 90 KM MAG 4.20 CGS					
18	LC-	eL	18 21 00	LT	19.0	222.0		
18	19 25 23.*		58.9 N 148.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
18	NP-	eP	19 30 01.4	SZ	1.0	20.6	20.3	4.37

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	20 08 19.7		56.1 N 153.7 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.90 CGS					
18	NP-	iP	20 13 34.0C	SZ	1.0	132.2	23.8	5.40
		eP	13 39	LZ	24	965.2		
		e	16 18	SZ	1.4	53.5		
		eS	17 49	ST	2.0	104.6		
		e	18 02	LT	18	4234.9		
		e	18 04	ST	2.3	262.3		
		eLQ	21 33	LT	25	3240.2		
		eLR	29 05	LZ	22	3195.6		
18	RK-	eP	20 15 14.9	SZ	0.8	4.4	35.1	4.44
		eS	21 00	LT	20	613.4		
		eL	27 57	LZ	21	3006.5		
18	LC-	eP	20 15 57.3	SZ	1.0	6.4	40.2	4.25
		eP	16 00	LZ	18	229.3		
		ePP	17 42	SZ	2.0	40.0		
		ePP	17 42	LZ	18	229.3		
		eS	22 10	LR	18	828.5		
		e	23 51	SZ	1.1	7.9		
		eSS	25 07	LT	23	1076.6		
		eLQ	27 44	LT	21	1584.7		
		eLR	29 22	LZ	22	1490.4		
18	JE-	eP	20 17 05.6	SZ	0.9	30.7	48.7	5.34
		eS	24 21	LR	25	1453.9		
18	HW-	eL	20 24 11	LZ	22	818.4	36.1	
18	DH-	eS	20 24 39	LR	23	641.2	50.5	
		eL	28 36	LR	24	548.7		
							AVG.	4.85
18	20 16 16.3		56.1 N 153.7 W PRINCE WILLIAM SOUND. ALASKA H= 30 KM MAG 4.90 CGS					
18	NP-	eP	20 21 28.5	SZ	0.7	62.5	23.8	5.21
		e	22 53	SZ	1.1	63.1		
		e	23 40	SZ	1.5	55.0		
		ePCP	25 15	SZ	2.0	88.5		
18	RK-	eP	20 23 09.0	SZ	0.7	2.4	35.1	4.24
18	LC-	eP	20 23 57	LZ	16	651.8	40.2	
18	JE-	eS	20 32 07	LR	19	4774.3	48.7	
		eLQ	36 23	LT	19	6914.5		
		eLR	43 35	LZ	15	11.2U		
18	HW-	eL	20 32 15	LZ	23	2380.8	36.1	
18	DH-	eS	20 32 15	LR	22	1795.4	50.5	
		eLQ	36 10	LR	24	3099.0		
		eLR	43 40	LZ	20	2803.2		
							AVG.	4.72
18	NP-	eP	20 26 46.7	SZ	0.7	9.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	DH-	eP	21 03 06.6	SZ	0.5	20.5		
18	LC-	eP	21 46 42.4	SZ	0.2	37.8		
		eS	47 00	ST	0.3	11.1	1.4	
18	NP-	eP	22 07 53.7	SZ	0.8	3.1		
18	23 38 03.4		59.3 N 147.5 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.10 CGS					
18	NP-	eP	23 42 32.4	SZ	0.6	3.5	19.7	3.79
18	RK-	eP	23 44 21.9	SZ	0.7	2.4	31.2	4.21
							AVG.	4.00
19	00 09 49.*		55.9 N 155.8 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.80 CGS					
19	DH-	eL	03 02 00	LR	20.0	62.1		
19	03 56 13.7		15.4 S 173.7 W TONGA ISLANDS H= 51 KM MAG 4.20 CGS					
19	LC-	eP	04 08 19.3	SZ	1.0	2.5	79.8	4.07
		e	08 22	LR	25	441.9		
		e	14 37	LR	27	530.2		
		eS	18 25	LR	24	287.0		
		e	21 32	LR	30	986.1		
		e	22 55	LR	30	2832.6		
		e	26 00	LT	28	179.0		
		eL	30 30	LZ	25	940.5		
19	HW-	eL	04 14 00	LZ	30	400.4	39.4	
19	05 13 01.6		41.7 S 83.9 W OFF COAST OF SOUTHERN CHILE H= 33 KM MAG 5.50 CGS					
19	JE-	eP	05 24 33.0	SZ	1.5	117.6	73.5	5.66
		eP	24 34	LZ	15	1895.9		
		eL	48 55	LZ	35	1629.4		
19	LC-	eP	05 24 49.5	SZ	1.5	45.8	76.6	5.29
		eP	24 56	LZ	13	451.1		
		eS	34 45	LR	18	271.2		
		eLQ	45 50	LR	20	169.4		
		eLR	50 30	LZ	28	366.2		
19	DH-	eP	05 25 28.0	SZ	1.5	81.2	84.0	5.63
19	RK-	eP	05 26 07.5	SZ	0.6	4	92.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	26 15	SZ	1.3			
		eLQ	55 00	LT	25	182.1		
		eLR	57 40	LZ	30	555.6		
							AVG.	5.52
19	DH-	eL	05 41 35	LZ	20	169.5		
19	06 34 14.*		60.6 N 147.4 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.10 CGS					
19	RK-	eP	06 40 31.7	SZ	0.6	.	30.9	
19	08 35 31.6		17.7 S 167.8 E NEW HEBRIDES ISLANDS H= 15 KM MAG 4.60 CGS					
19	NP-	eL	09 48 15	LZ	27.0	916.0		
19	HW-	eP	10 38 00	LZ	20	378.2		
19	HW-	e	10 43 03	LZ	13	471.8		
19	RK-	eP	10 44 43.0	SZ	0.8	.		
19	HW-	e	10 51 30	LT	30	1406.0		
19	HW-	eL	10 55 00	LZ	23	2051.9		
19	11 03 39.2		5.7 N 76.5 W NORTHERN COLOMBIA H=113 KM MAG 4.00 CGS					
19	RK-	eP	11 12 02.5	SZ	0.7	.	47.2	
		e	12 14	SZ	0.8			
19	13 17 11.4		3.7 S 79.4 W PERU ECUADOR BORDER REGION H=134 KM MAG 4.30 CGS					
19	14 12 21.9		60.5 S 58.3 W NEAR SOUTH SHETLAND ISLANDS H= 33 KM MAG 5.40 CGS					
19	LC-	eP	14 26 10	LZ	15.0	233.0	100.7	
		ePP	30 30	LZ	20	325.4		
		eSKS	36 50	LR	17	870.9		
		e	37 50	LT	24	1407.3		
		ePS	39 25	LR	999 9	9999.9		
		eSS	44 30	LR	999 9	9999.9		
		eSSS	48 30	LT	30	1949.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	52 05	LR	32.0	858.6		
		eLR	54 40	LT	999 9	9999.9		
19	DH-	ePP	14 30 35	LZ	20	565.1	103.3	
		e	39 10	LT	17	1834.6		
		eSS	45 00	LT	28	5541.3		
		e	50 15	LZ	24	2150.1		
		eLR	15 01 40	LZ	37	4656.4		
19	HW-	ePP	14 31 40	LZ	22	256.4	110.8	
		e	35 25	LR	30	3780.4		
		ePS	41 13	LT	18	2164.1		
		eSS	47 25	LT	17	3474.0		
		eL	15 03 45	LZ	24	7378.6		
19	NP-	eP.	14 31 47.0	SZ	0.5	3.8	141.9	
19	RK-	ePP	14 31 50	LZ	15	1352.9	114.6	
		e	38 55	LT	21	562.3		
		ePS	41 40	LT	24	3405.6		
		eSS	48 10	LT	30	3782.6		
		eL	15 03 20	LZ	25	795.7		
19	JE-	e	14 33 10	LZ	30	3114.2	96.0	
		eSKS	36 33	LT	18	2146.7		
		ePPS	39 35	LT	30	5283.1		
		e	42 40	LT	20	2784.5		
		eL	59 40	LT	43	7440.7		
19	NP-	eL	14 47 20	LT	23.0	475.4		
19	HW-	e	16 18 55	LR	20	2235.6		
19	HW-	eL	16 25 40	LR	22	1624.4		
19	18 51 10.9		60.2 N 148.6 W PRINCE WILLIAM SOUND. ALASKA H= 33 KM MAG 4.70 CGS					
19	NP-	eP	18 55 30.8	SZ	0.7	59.6	19.0	4.96
		eL	19 02 43	SZ	2.0	48.0		
19	RK-	eP	18 57 31.5	SZ	0.5	.	31.6	
19	LC-	eP	18 58 38.0	SZ	1.0	5.1	39.1	4.21
							AVG.	4.58
19	19 41 31.3		13.8 S 75.3 W SOUTHERN PERU H= 96 KM MAG 4.40 CGS					
19	DH-	eP	19 51 00.0	SZ	0.7	9.1	55.8	4.92
19	LC-	eP	19 55 15.5	SZ	0.5	14.2	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	55 35	ST	0.5	20.7		
19	21	34 16.5	7.3 S 128.3 E BANDA SEA H=130 KM					
19	NP-	eP	23 04 22.7	SZ	0.9	21.6		
20	NP-	eP	00 51 30.6	SZ	0.2	1.2	2.3	
		eS	52 00	SR	0.4	9.5		
20	01	18 58.8	8. N 82.7 W NEAR SOUTH COAST OF PANAMA H= 16 KM MAG 4.10 CGS					
20	03	34 45.1	59.7 N 144.6 W PRINCE WILLIAM SOUND. ALASKA H= 30 KM MAG 4.70 CGS					
20	NP-	eP	03 39 04.5	SZ	0.6	10.9	18.8	4.27
		ePP	39 09	SZ	0.9	46.1		
		e	42 51	SZ	2.5	164.9		
20	MN-	eP	03 40 27.3	SZ	1.1	14.4	27.1	4.57
		eP	40 30	LZ	12	249.4		
		eS	45 20	LR	12	448.9		
		eL	48 35	LZ	23	319.8		
20	LC-	eP	03 41 55.0	SZ	1.3	14.9	37.1	4.62
		e	43 28	LR	15	132.7		
		ePCS	47 50	LR	15	205.1		
		eLQ	52 30	LT	18	141.6		
		eLR	55 00	LZ	22	183.8		
20	HW-	eLQ	03 51 40	LR	13	716.4	40.5	
		eLR	53 50	LZ	25	157.0		
20	DH-	eLQ	03 57 30	LR	22	225.6	44.9	
		eLR	59 30	LZ	17	154.5		
							AVG.	4.48
20	NP-	eP	06 04 40.3	SZ	0.6	2.4		
20	MN-	eP	07 25 03.5	SZ	0.2	7.1	1.2	
		eS	25 18	ST	0.5	4.2		
20	MN-	eP	07 26 13.0	SZ	0.3	1.7	.7	
		eS	26 23	ST	0.5	7.4		
20	08	07 54.8	60.2 N 147.0 W PRINCE WILLIAM SOUND. ALASKA H= 15 KM MAG 4.30 CGS					
20	MN-	eP	08 49 01.3	SZ	0.2	5.5	.6	
		eS	49 09	SR	999.9	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	10	51 13.*	22.9 S 69.2 W NORTHERN CHILE H= 78 KM MAG 4.60 CGS					
20	MN-	eLQ	11 26 05	LT	25.0	78.8	76.3	
		eLR	28 20	LZ	25	307.9		
20	HW-	eL	11 31 52	LZ	25	235.5	94.5	
20	10	52 05.*	18.6 S 72.0 W NEAR COAST OF SOUTHERN PERU H= 33 KM					
20	LC-	eP	11 02 17.0	SZ	1.2	5.9	60.6	4.55
20	NP-	eP	11 19 44.0	SZ	1.2	47.2		
20	MN-	eP	11 20 29.2	SZ	1.0	3.3		
20	LC-	eL	11 33 05	LT	22	261.7		
20	LC-	eL	11 34 10	LZ	28	234.3		
20	11	56 41.6	61.4 N 147.3 W PRINCE WILLIAM SOUND. ALASKA H= 30 KM MAG 6.50 CGS					
20	NP-	eP	12 00 44.3	SZ	999.9	9999.9	17.7	
		eP	00 47	LZ	15	5031.7		
		e	01 02	SR	1.7	861.2		
		e	02 00	LR	25	894.7		
		eL	06 00	LZ	28	13.6U		
20	MN-	eP	12 02 42.8	SZ	0.6	9999.9U	29.2	
		eP	02 43	LZ	20	971.0		
		e	07 36	LZ	16	5431.0		
		eS	07 40	ST	2.8	577.5		
20	LC-	eP	12 04 08.7	SZ	1.0	75.3	39.1	5.36
		eP	04 10	LZ	17	1229.4		
		e	05 45	LR	13	2067.5		
		eS	10 10	LR	999 9	9999.9		
		eL	13 10	LZ	999 9	9999.9		
20	HW-	eP	12 04 30.0	SZ	0.8	47.3	41.8	5.36
		eP	04 30	LZ	18	774.4		
		e	10 55	LZ	20	1267.4		
		eLQ	14 03	LT	24	6269.7		
		eLR	16 00	LZ	22	10.7U		
20	DH-	eP	12 05 03.0	SZ	0.6	8.6	46.0	4.90
		eP	05 05	LZ	18	1083.2		
		e	05 17	SZ	1.5	395.8		
		ePP	06 56	SZ	1.0	82.8		
		eS	11 45	LR	22	2662.2		
		eSS	15 15	LR	999 9	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	18 00	LT	32.0	8298.2		
		eL	20 08	SZ	1.5	121.7		
		eLR	20 40	LZ	999 9	9999.9		
20	JE-	eP	12 05 05.5	SZ	1.0	210.0	46.1	6.07
		eP	05 07	LZ	20	8197.3		
		eS	11 53	LR	20	5235.4		
		eL	15 30	LT	20	10.0U		
		eL	19 10	LT	34	25.3U		
		eL	20 40	SZ	5.5	4626.1		
							AVG.	5.40
20	MN-	eP	11 58 20.0	SZ	0.5	.9		
20	NP-	eP	12 49 10.0	SZ	0.8	11.3		

20 13 43 40.5 7.3 S 128.1 E BANDA SEA
H=128 KM MAG 5.50 CGS

20 15 40 28. 61.5 N 147.3 W PRINCE WILLIAM SOUND. ALASKA
H= 30 KM MAG 5.00 CGS

20	MN-	eP	15 46 30.0	SZ	999.9	9999.9	29.3	
		eL	55 10	LZ	27	445.6		
20	LC-	eP	15 47 54.8	SZ	1.0	16.8	39.1	4.71
		e	48 09	SZ	1.1	22.4		
		eL	16 01 00	LZ	30	271.1		
20	HW-	eL	16 00 00	LZ	27	247.8	41.9	
20	JE-	eL	16 05 30	LZ	25	646.2	46.2	
20	HW-	eP	16 04 23.0	SZ	0.2	19.0	.5	
		eS	04 30	ST	0.4	164.9		

20 16 18 26.4 60.7 N 145.3 W PRINCE WILLIAM SOUND. ALASKA
H= 15 KM MAG 4.90 CGS

20	NP-	eP	16 22 32.6	SZ	1.3	104.2	18.0	4.82
		eP	22 40	LZ	13	1328.2		
		eL	26 07	LR	15	923.6		
		eL	27 40	LZ	25	474.7		
20	MN-	eP	16 24 19.1	SZ	1.4	21.8	28.0	4.76
		eP	24 25	LZ	17	270.9		
		eS	29 10	LR	23	940.7		
		eL	32 35	LZ	20	3146.2		
20	LC-	eP	16 25 45.5	SZ	1.5	15.2	37.9	4.54
		eP	25 48	LZ	17	220.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	27 15	LR	17.0	2051.7		
		ePCS	31 40	LR	25	718.1		
		eL	36 00	LR	30	872.2		
20	HW-	e	16 32 45	LZ	23	460.4		
		e	35 45	LT	20	838.3	41.3	
		eL	37 40	LZ	25	1805.6		
20	JE-	e	16 37 10	LT	20	1089.8		
		eL	41 00	LT	30	5128.2	45.0	
20	DH-	eLQ	16 41 20	LR	19	2555.9		
		eLR	45 20	LZ	18	818.4	45.1	

20	MN-	eP	16 30 31.5	SZ	0.2	2.3	AVG.	4.70
		eS	31 00	SR	0.5	7.6	2.2	
20	NP-	eP	16 43 58.8	SZ	0.9	21.1		
20	NP-	eP	16 44 31.0	SZ	1.0	23.7		

20 16 49 41.8 61.4 N 147.3 W PRINCE WILLIAM SOUND. ALASKA
H= 33 KM MAG 4.20 CGS

20	NP-	eP	16 53 45.5	SZ	0.6	2.4	17.7	3.54
20	MN-	eP	16 55 42.2	SZ	0.7	6.6	29.2	4.52
20	DH-	eP	18 02 18.0	SZ	0.3	11.0	AVG.	4.03
		eS	02 43	ST	0.5	71.1	1.9	

20 18 37 34.2 35.2 N 24.5 E CRETE
H= 78 KM MAG 4.50 CGS

20	MN-	eP	18 46 36.6	SZ	999.9	9999.9		
		eS	46 45	ST	0.4	6.8	.6	
20	MN-	eP	19 31 48.6	SZ	0.5	2.2	29.3	4.19
20	LC-	eP	19 50 35.5	SZ	0.2	11.7		
		eS	50 55	ST	0.4	11.6	1.5	

20 19 25 48.* 61.4 N 147.4 W PRINCE WILLIAM SOUND. ALASKA
H= 33 KM MAG 3.80 CGS

20 20 31 23.* 4.7 S 143.1 E NORTH EAST NEW GUINEA
H= 98 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	MN-	eP	20 31 52.2	SZ	0.3	1.1		
20	NP-	eP	20 46 44.4	SZ	0.9	7.6		
20	21 15 19.4		6.9 S 129.3 E BANDA SEA H= 91 KM MAG 3.40 CGS					
20	NP-	eP	22 13 12.0	SZ	1.1	38.0		
20	MN-	eP	22 21 40.0	SZ	999.9	9999.9	1.4	
		eS	21 57	ST	0.5	7.1		
20	22 30 38.		4.2 S 102.1 E SOUTHERN SUMATRA H= 33 KM MAG 5.30 CGS					
20	NP-	eP	23 18 51.1	SZ	1.0	32.3		
21	04 38 44.2		18.4 N 98.1 W PUEBLA, MEXICO H= 70 KM MAG 4.50 CGS					
21	JE-	eP	04 42 08.2	SZ	0.6	111.6	14.4	5.41
21	LC-	eP	04 42 26.5	SZ	0.7	3.2	15.9	3.65
		e	45 44	LZ	25	180.8		
		eL	47 16	LZ	19	579.4		
		eL	47 39	SZ	2.5	64.1		
21	NP-	eP	04 48 36.7	SZ	0.9	8.0	58.9	4.75
21	MN-	eL	04 53 24	LZ	22	209.1	26.5	
							AVG.	4.60
21	05 01 35.7		61.5 N 147.4 W PRINCE WILLIAM SOUND, ALASKA H= 40 KM MAG 6.00 CGS					
21	NP-	eP	05 05 38.4	SZ	0.8	59.5	17.6	4.81
		e	09 02	SZ	1.0	38.4		
		eLQ	09 06	LZ	22	1624.4		
		eLR	10 40	LZ	27	4497.0		
21	MN-	eP	05 07 35.4	SZ	0.8	14.4	29.3	4.79
		eP	07 37	LZ	20	669.2		
		ePCP	10 42	SZ	0.8	9.6		
		eS	12 32	LR	25	2634.6		
		eS	12 35	SR	3.0	137.9		
		eS	12 35	ST	2.4	54.1		
		eL	16 10	LZ	28	5154.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	17 32	LR	22.0	4002.4		
		eL	17 32	LT	19	2466.0		
		eL	17 32	LZ	20	5526.7		
21	LC-	eP	05 09 01.4	SZ	1.0	45.4	39.2	5.17
		eP	09 02	LZ	18	561.6		
		e	09 35	SZ	1.0	28.5		
		ePP	10 47	LZ	16	649.4		
		eS	15 03	LR	28	1750.5		
		eLQ	18 22	LT	22	1001.1		
		eLR	21 05	LZ	28	1780.9		
21	HW-	eP	05 09 23.3	SZ	0.7	39.4	41.9	5.29
		eP	09 25	LZ	20	314.3		
		e	15 54	LZ	20	471.5		
		eLQ	19 05	LT	18	1717.4		
		eLR	20 55	LZ	26	2866.9		
21	DH-	eP	05 09 56.5	SZ	1.1	35.4	46.0	5.23
		eP	09 58	LZ	20	256.6		
		ePCP	11 32	SZ	0.9	22.0		
		ePP	11 55	LZ	20	282.3		
		eS	16 48	LT	24	799.6		
		e	20 26	LZ	23	1864.7		
		eLQ	23 06	LT	27	1943.1		
		eLR	25 30	LZ	29	2135.4		
21	JE-	eP	05 09 58.7	SZ	1.0	154.0	46.2	5.92
		eP	10 01	LZ	18	1092.8		
		ePP	12 06	LZ	18	1335.7		
		eS	16 35	LR	29	2036.1		
		eSS	20 10	LR	20	1207.2		
		eLQ	25 09	LR	25	4785.6		
		eL	25 42	SR	5.6	3592.4		
		eLR	26 59	LZ	29	6033.1		
							AVG.	5.20
21	06 04 37.*		60.4 N 157.2 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 3.90 CGS					
21	07 01 53.*		4.8 S 142.8 E EASTERN NEW GUINEA H= 62 KM					
21	MN-	eP	08 47 40.2	SZ	0.9	1.2		
21	LC-	eL	10 49 00	LZ	25	72.3		
21	MN-	eP	11 18 07.2	SZ	0.4	1.6	2.8	
		eS	18 43	SR	0.4	3.4		
21	12 11 32.9		44.2 N 114.3 W CENTRAL IDAHO H= 33 KM MAG 3.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	LC-	eP	13 31 02.0	SZ	0.3	.9	2.9	
		eS	31 38	ST	0.4	2.9		
21	15 25 55.*		17.5 S 70.6 W SOUTHERN PERU					
			H=125 KM MAG 3.90 CGS					
21	19 00 53.7		53. N 160.5 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.20 CGS					
21	LC-	eP	21 40 21.5	SZ	0.4	.8	2.9	
		eS	40 58	ST	0.4	5.8		
21	LC-	eL	22 24 52	LZ	24	94.9		
22	00 22 10.2		40.5 N 125.1 W NEAR COAST OF N. CALIFORNIA					
			H= 33 KM MAG 4.70 CGS					
22	MN-	eP	00 23 33.1	SZ	0.9	1.9	5.8	3.70
22	09 46 54.2		56.1 N 34.9 W NORTH ATLANTIC OCEAN					
			H= 33 KM MAG 4.80 CGS					
22	NP-	eP	09 53 46.8	SZ	1.0	15.3	35.2	4.87
		e	54 18	SZ	1.1	30.9		
		eL	10 03 39	LZ	25	306.7		
22	LC-	eP	09 56 16.0	SZ	1.2	5.9	53.8	4.49
		e	56 53	SZ	1.0	6.4		
		eS	10 04 00	LT	30	314.9		
		e	08 10	LR	29	384.6		
		eL	11 48	LR	35	697.1		
22	MN-	eP	09 56 29.3	SZ	1.1	5.1	55.6	4.47
		e	57 11	SZ	1.0	7.5		
		eS	10 04 27	LT	30	257.2		
		eL	14 09	LT	35	520.0		
22	DH-	eL	10 04 02	LZ	25	609.2	29.1	
22	JE-	eSS	10 05 22	LR	20	914.5	46.1	
		eL	09 27	LR	30	1613.7		
							AVG.	4.61
22	11 14 43.*		57.8 N 149.5 W PRINCE WILLIAM SOUND. ALASKA					
			H= 33 KM MAG 4.20 CGS					
22	NP-	eP	11 19 30.5	SZ	0.8	4.9	21.4	3.92
		e	19 34	SZ	0.5	8.3		
22	NP-	eP	11 52 37.5	SZ	1.0	8.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	NP-	e	11 52 42	SZ	0.7	7.2		
22	MN-	eL	12 02 42	LZ	17	98.6		
22	LC-	eL	12 09 48	LZ	17	104.8		
22	MN-	eP	12 44 44.2	SZ	0.4	2.8		
		eS	44 49	SR	0.5	8.3		
22	14 56 53.1		12.4 N 95.7 E ANDAMAN ISLANDS REGION					
			H= 33 KM MAG 5.00 CGS					
22	MN-	eP	15 13 54.8	SZ	0.5	2.8		
22	DH-	eP	18 20 43.1	SZ	0.5	18.7		
		eS	21 05	SR	0.5	175.5	1.6	
22	19 37 53.2		16.1 S 173.4 W TONGA ISLANDS					
			H= 33 KM MAG 5.00 CGS					
22	MN-	eP	19 49 33.5	SZ	1.0	22.5	74.9	5.09
		eL	20 12 53	LZ	28	917.2		
22	LC-	eP	19 50 02.1	SZ	1.0	12.9	80.0	4.78
		eL	20 14 50	LZ	23	221.2		
							AVG.	4.93
22	20 00 22.8		15.5 S 167.5 E NEW HEBRIDES ISLANDS					
			H=123 KM MAG 5.00 CGS					
22	MN-	eP	20 12 59.2	SZ	0.8	11.3	87.7	4.91
		e	13 11	SZ	0.9	5.1		
		e	13 24	SZ	1.0	8.3		
		eL	40 47	LZ	32	1104.5		
22	LC-	eP	20 13 32.9	SZ	0.9	2.9	94.8	4.67
		ePP	17 22	SZ	1.2	9.9		
		eSKS	23 57	LR	25	366.5		
		ePS	26 39	LT	23	676.3		
		eLQ	39 45	LR	33	622.9		
		eLR	44 07	LZ	27	413.7		
							AVG.	4.79
22	20 29 20.3		58.6 N 150.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 5.10 CGS					
22	NP-	eP	20 34 01.5	SZ	0.5	10.4	20.8	4.41

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	34 05	SZ	1.0	65.7		
22	MN-	eP	20 35 16.2	SZ	0.8	10.8	28.8	4.67
22	LC-	eP	20 36 46.3	SZ	1.0	14.2	39.1	4.65
							AVG.	4.57
22	LC-	eP	21 09 01.1	SZ	0.2	13.6	1.5	
		eS	09 21	ST	0.3	6.8		

22 23 04 13.8 13.2 S 167.1 E NEW HEBRIDES ISLANDS
H=218 KM MAG 4.00 CGS

23 01 31 40.3 6.7 S 155.0 E SOLOMON ISLANDS
H= 72 KM MAG 5.00 CGS

23 01 51 10.6 32.1 N 138.7 E SOUTH OF HONSHU, JAPAN
H= 33 KM MAG 4.80 CGS

23 03 06 42.6 56.8 N 149.6 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 3.90 CGS

23 03 13 55.7 60.9 N 144.3 W PRINCE WILLIAM SOUND, ALASKA
H= 35 KM MAG 4.20 CGS

23	NP-	eP	03 18 00.0	SZ	0.7	8.4	17.6	4.02

23 03 32 50.3 5.3 S 134.0 E ARU ISLANDS REGION
H= 33 KM MAG 6.40 CGS

23	NP-	eP	03 46 29.2	SZ	1.2	172.6	99.0	6.63
		e	47 04	SZ	1.1	55.3		
		e	56 51	LZ	18	2133.7		
		eSP	59 32	LZ	24	3582.7		
		ePS	59 42	ST	6.0	3951.2		
		eSS	04 04 58	LR	32	4948.2		
		eLR	23 38	LZ	28	9057.9		

23 07 03 21.6 60.8 S 19.8 W SANDWICH ISLANDS REGION
H= 33 KM MAG 5.40 CGS

23	NP-	eP.1	07 23 07.5	SZ	1.5	14.2	150.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

23 07 34 34.* 36.7 S 108.5 W SOUTH PACIFIC OCEAN
H= 33 KM MAG 4.40 CGS

23 08 27 01.6 43.3 N 126.5 W OFF COAST OF OREGON
H= 33 KM MAG 4.30 CGS

23 10 32 47.9 6.6 S 155.1 E SOLOMON ISLANDS REGION
H= 60 KM MAG 5.30 CGS

23	NP-	eP	10 46 05.6	SZ	1.7	77.7	95.3	5.89
23	HW-	eL	10 58 40	LZ	28	424.5	55.1	
23	MN-	eL	11 14 44	LZ	30	338.7	91.5	
23	LC-	eL	11 19 18	LZ	30	339.0	100.5	
23	RK-	eL	11 25 20	LZ	30	479.7	108.4	
23	JE-	eL	11 27 24	LZ	25	352.4	112.9	
23	DH-	eL	11 32 53	LZ	30	642.4	123.4	

23 11 25 55.* 60.9 N 144.6 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 4.00 CGS

23	LC-	eL	13 25 27	LZ	23.0	162.1		
23	MN-	eP	13 30 31.6	SZ	1.0	4.0		

23 14 23 43.2 36.9 N 37.9 E TURKEY
H= 57 KM MAG 4.80 CGS

23 14 56 30.9 57.3 N 151.9 W PRINCE WILLIAM SOUND, ALASKA
H= 25 KM MAG 5.30 CGS

23	NP-	eP	15 01 29.0	SZ	1.1	268.9	22.3	5.59
		e	01 41	SZ	1.2	245.8		
		e	05 37	LZ	19	1570.7		
		eS	05 37.0	SR	1.7	159.0		
		eL	08 59	SR	2.0	59.6		
		eL	09 35	LZ	14	2052.5		
23	MN-	eP	15 02 31.6	SZ	0.8	28.4	29.0	5.10
		ePCP	05 38	SZ	0.8	5.7		
		eL	11 18	LZ	19	1331.9		
23	RK-	eP	15 03 12.6	SZ	0.7	41.0	33.8	5.44
		ePCP	05 49	SZ	0.8	10.3		
		eL	13 45	LR	22	978.4		
23	LC-	eP	15 04 02.7	SZ	1.1	16.0	39.6	4.62
		e	04 10	SZ	0.9	3.9		
		ePCP	06 08	SZ	1.0	3.8		
		eLQ	14 19	LT	27	399.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	18 17	LZ	20.0	1366.7		
23	JE=	eP	15 05 08.5	SZ	1.0	97.6	47.8	5.81
		e	05 12	SZ	1.0	58.5		
		eL	24 07	LZ	20	1016.1		
23	DH=	eP	15 05 18.7	SZ	0.8	22.2	49.2	5.20
		eL	22 29	LZ	17	1637.4		
							AVG.	5.29
23	NP=	eP	15 15 02.2	SZ	1.3	13.7		

23 15 47 15.* 59.9 N 147.5 W ALASKA AFTERSHOCK
H= 33 KM MAG 4.10 CGS

23	RK=	eP	17 08 04.0	SZ	1.0	10.0		

23 18 44 58.7 16.6 N 99.0 W OFF COAST GUERRERO, MEXICO
H= 46 KM MAG 4.00 CGS

23	MN=	eP	18 50 42.8	SZ	1.1	3.0	27.5	3.90
23	LC=	eP	19 10 36.6	SZ	0.7	1.8		
23	RK=	eP	19 11 45.1	SZ	0.5	6.6		

23 20 45 20.7 14. N 124.4 E NEAR EAST COAST LUZON, P. I.
H= 45 KM

23	MN=	eL	21 36 00	LZ	26.0	330.7	101.7	
23	RK=	eL	21 37 44	LZ	30	753.9	107.4	
23	LC=	eL	21 38 40	LZ	30	339.0	112.9	
23	DH=	eL	21 45 28	LZ	17	701.7	121.3	
23	JE=	eL	21 51 17	LZ	22	344.5	122.6	

23 21 08 42. 52.7 N 160.9 E NEAR EAST COAST OF KAMCHATKA
H= 33 KM MAG 4.80 CGS

23	MN=	eP	21 18 16.4	SZ	0.7	1.6	55.5	4.17
		e	18 21	SZ	1.2	15.0		
23	RK=	eP	21 18 40.5	SZ	0.6	2.0	59.3	4.35
							AVG.	4.26
23	DH=	eP	21 19 14.6	SZ	0.7	14.0	1.7	
		eS	19 38	ST	0.6	55.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	NP=	eP	22 18 23.0	SZ	0.5	3.0		
23	NP=	e	22 18 31	SZ	0.5	10.1		

24 00 42 33.9 52.7 N 160.9 E NEAR EAST COAST OF KAMCHATKA
H= 33 KM MAG 4.90 CGS

24	NP=	eP	00 49 43.0	SZ	0.7	5.7	37.2	4.48
		eP	49 43.3	SZ	0.8	6.5		4.48
							AVG.	4.48
24	NP=	eP	01 04 36.0	SZ	0.5	3.1		
24	NP=	eP	01 04 36.0	SZ	0.6	2.4		
24	NP=	e	01 04 45	SZ	0.5	10.4		
24	NP=	eP	01 04 52.0	SZ	0.6	2.4		
24	NP=	eP	02 06 53.0	SZ	0.8	3.2		

24 03 18 16.3 20.1 S 177.8 W FIJI ISLANDS
H=393 KM MAG 3.70 CGS

24 03 49 57.8 38. N 21.8 E SOUTHERN GREECE
H= 92 KM MAG 4.10 CGS

24 03 51 05. 59.5 N 144.5 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 5.20 CGS

24	NP=	eP	03 55 25.0	SZ	0.6	18.5	19.0	4.52
		eP	55 25	LZ	13	1961.2		
		eP	55 25.2	SZ	0.6	23.5		4.63
		eP	55 26	LZ	12	2220.6		
		eS	59 06	SR	2.5	215.4		
		eS	59 08	LT	9	6147.5		
		eS	59 08	LR	10	3968.2		
		eL	04 01 10	LT	27	1705.1		
		eL	02 12	LR	13	4482.9		
		eL	02 39	SR	2.5	335.1		
							AVG.	4.57

24 04 23 05.1 56.6 N 151.7 W PRINCE WILLIAM SOUND, ALASKA
H= 20 KM MAG 4.10 CGS

24	NP=	eP	04 28 11.0	SZ	1.0	32.8	23.0	4.78
		eP	28 11.7	SZ	1.0	30.7		4.75
							AVG.	4.76
24	NP=	eP	05 01 06.6	SZ	0.9	3.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	NP-	eP	05 14 49.0	SZ	1.0	7.0		
24	NP-	eP	05 14 49.1	SZ	1.0	4.3		
24			05 26 28.9	3.9 S 138.8 E WESTERN NEW GUINEA H=118 KM				
24			05 56 10.1	5.1 S 144.2 E NORTH EAST NEW GUINEA H=106 KM MAG 6.3 0 CGS				
24	HW-	eP	06 06 35.4	SZ	1.0	483.8	64.1	6.37
		e	06 37	LR	24	8061.1		
		ePCP	07 03	SZ	1.0	604.8		
		ePS	15 38	LR	17	9999.9		
		e	19 48	LR	15	7101.6		
		eLQ	22 30	LR	27	16.3U		
24	NP-	eP	06 09 27.0	SZ	0.5	29.2	96.5	6.06
		eP	09 30	LZ	20	1336.1		
		e	09 30	SZ	1.1	123.8		
		e	09 58	SZ	1.3	134.4		
		e	10 23	SZ	1.5	229.0		
		e	13 10	SZ	1.5	87.7		
		ePP	13 20	LZ	17	1644.7		
		eSKS	19 55	SR	2.9	1804.5		
		eSKS	19 58	LT	18	6557.3		
		eS	20 39	LT	21	7881.7		
		eS	20 47	ST	2.3	488.2		
		ePS	22 20	LT	20	11.6U		
		eSS	27 20	LR	27	7495.1		
		e	27 20	SZ	1.2	33.0		
		e	33 05	LR	32	6856.1		
		e	37 25	LZ	20	4087.0		
		eL	41 30	LZ	37	17.2U		
24	LC-	ePD	06 10 28	SZ	0.9	7.7	108.9	
		ePD	10 28	LZ	24	1146.4		
		ePP	14 56	SZ	1.0	20.1		
		ePP	14 56	LZ	22	9999.9		
		e	15 28	SZ	1.5	74.1		
		eSKS	21 00	LR	20	9999.9		
		ePKKP	25 52	SZ	0.8	35.7		
		e	26 20	SZ	1.0	55.4		
		eL	46 07	LZ	30	9999.9		
24	RK-	ePD	06 10 47	SZ	1.0	5.0	113.8	
		ePD	10 49	LZ	23	677.3		
		eP	14 36.4	SZ	0.7	12.4		
		ePP	15 25	LZ	19	3016.4		
		ePP	15 28	SZ	1.3	96.1		
		e	15 41	SZ	1.6	215.5		
		eSKS	21 16	ST	1.5	184.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKS	21 18	LT	25.0	1801.1		
		e	22 03	ST	1.5	81.2		
		ePS	25 00	LT	20	1780.7		
		e	25 29	SZ	0.9	44.2		
		eLQ	41 40	LT	28	9999.9		
		eLR	44 20	LZ	23	4045.3		
24	JE-	ePD	06 11 25	LZ	22	536.0	121.2	
		eP	14 53.5	SZ	0.5	30.1		
		eP	14 55	LZ	18	327.8		
		ePP	16 26	LZ	22	3703.7		
		eSKS	21 44	LR	16	5521.9		
		ePKKP	24 57	SZ	0.7	24.8		
		ePS	26 23	LR	21	23.2U		
		eSS	33 00	LR	17	10.8U		
		eL	53 14	LZ	25	9999.9U		
24	DH-	ePD	06 11 52	LZ	22	216.5	129.3	
		eP	15 07.8	SZ	1.2	116.5		
		eP	15 08	LZ	16	426.2		
		ePP	17 17	SZ	1.3	109.2		
		ePP	17 17	LZ	23	3140.5		
		eSKP	18 21	SZ	1.3	692.0		
		eSKS	22 05	LR	22	1375.9		
		e	33 46	LZ	19	9999.9		
		eSS	34 50	LR	26	7855.1		
		eLQ	49 39	LR	26	9999.9		
		eLR	54 00	LZ	22	5902.1		
24	MN-	ePP	06 13 46	LZ	21	2917.0	99.1	
		eSKS	20 05	LR	20	9999.9		
		eL	41 15	LZ	30	9999.9		
							AVG.	6.21
24	NP-	eP	06 02 09.0	SZ	0.2	1.3		
24	HW-	e	06 02 32	LR	25	7121.4		
24	JE-	eP	07 34 19.5D	SZ	0.3	99.8		
24	LC-	eP	07 36 24.3	SZ	0.7	5.0		
24	RK-	eP	07 38 17.2	SZ	0.4	1.7		
24	LC-	eL	07 38 24	SR	0.7	17.5		
24	RK-	eL	07 41 41	SR	0.8	6.1		
24	MN-	eP	07 44 53.0	SZ	0.4	149.9	2.4	
		eS	45 23	SR	0.4	328.4		
24			08 19 41.*	28. S 69.0 W CHILE ARGENTINA BORDER H= 30 KM MAG 4.2 0 CGS				
24	RK-	eP	08 31 57.5	SZ	0.6	2.0	81.5	4.32
24			08 57 09.8	58.7 N 149.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.5 0 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	NP=	eP	09 01 49.0	SZ	0.5	1.0	20.6	3.39
24	RK=	eP	09 18 43.4	SZ	0.8	2.9		
24	11 13 23.1		23.1 S 175.9 W TONGA ISLANDS H= 33 KM MAG 4.50 CGS					
24	NP=	eP	12 15 38.4	SZ	0.8	6.5		
24	LC=	eL	12 56 25	LZ	18	61.2		
24	14 30 07.2		29.3 N 130.1 E RYUKYU ISLANDS REGION H= 31 KM MAG 4.80 CGS					
24	NP=	eP	14 40 54.5	SZ	0.7	25.9	66.5	5.48
		eP	40 54.6	SZ	0.7	27.4		5.50
		eL	59 20	LR	23	812.2		
							AVG.	5.49
24	14 40 28.3		13.3 N 88.8 W NEAR COAST OF EL SALVADOR H=158 KM MAG 5.10 CGS					
24	LC=	eP	14 45 41.6	SZ	0.6	21.0	25.0	4.86
		eP	45 42	LZ	19	253.1		
		e	50 04	SR	1.1	43.4		
		eS	50 04	LR	27	9999.9		
		eS	50 04	LT	25	9999.9		
		eSCP	52 39	SZ	1.4	48.0		
24	DH=	eP	14 46 34.8	SZ	0.6	142.6	31.3	5.86
		ePP	47 51	SZ	1.4	631.3		
		eS	51 31	ST	2.0	183.4		
24	RK=	iP	14 47 28.6C	SZ	0.5	74.5	37.6	5.66
		e	48 32	SZ	0.8	54.7		
		ePP	49 04	SZ	1.4	345.2		
		eS	53 01	ST	1.2	139.1		
		eS	53 01	LT	27	1531.8		
		eL	55 30	LZ	22	2765.9		
24	NP=	eP	14 50 51.5	SZ	1.2	183.2	65.0	5.77
		eP	50 52.0	SZ	0.6	74.3		5.68
		ePCP	51 26	SZ	1.2	30.0		
		ePCP	51 26	SZ	0.9	29.3		
		ePP	53 09	SZ	1.4	101.5		
		ePP	53 10	SZ	1.4	101.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	59 20	SR	1.5	51.2		
		e	59 48	SR	3.0	243.5		
24	MN=	e	14 52 50	LT	23	2125.7	65.0	
		ePCS	55 33	LT	25	3405.4		
							AVG.	5.56
24	NP=	eP	15 16 28.8	SZ	0.5	13.5		
24	NP=	eP	15 16 28.9	SZ	0.6	14.8		
24	NP=	eP	16 45 31.0	SZ	0.3	1.2	.9	
		eS	45 43	SR	0.4	8.0		
24	RK=	eP	17 27 06.5	SZ	0.7	2.4		
24	NP=	eP	18 20 16.0	SZ	0.3	.8	.9	
		eS	20 28	SR	0.4	8.0		
24	19 50 22.3		51.7 N 176.9 W ANDREANOF ALEUTIAN ISLANDS H= 50 KM MAG 4.60 CGS					
24	NP=	eP	19 56 52.8	SZ	0.7	11.5	32.9	4.86
		ePCP	59 35	SZ	0.9	11.7		
24	NP=	eP	20 17 30.0	SZ	0.9	29.3		
24	NP=	e	20 18 59	SZ	1.1	12.8		
24	NP=	eP	20 33 23.5	SZ	0.6	6.1		
25	00 17 56.*		60.3 N 147.0 W ALASKA AFTERSHOCK H= 33 KM MAG 3.90 CGS					
25	00 51 08.		59.9 N 147.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.10 CGS					
25	NP=	eP	00 55 28.8	SZ	0.5	2.5	19.0	3.74
		e	55 34	SZ	0.7	13.9		
25	01 11 44.3		37.8 N 30.0 E SOUTHWESTERN TURKEY H= 44 KM MAG 4.50 CGS					
25	JE=	eL	01 56 35	LT	25	343.7	92.2	
25	01 59 14.*		60. N 145.1 W ALASKA AFTERSHOCK H= 33 KM MAG 4.00 CGS					
25	03 48 36.*		37.3 S 94.5 W OFF COAST OF CENTRAL CHILE H= 33 KM MAG 4.50 CGS					
25	MN=	eP	04 00 37.9	SZ	1.4	5.9	78.5	4.40

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	LC-	eL	04 18 40	LT	40.0	394.4	78.3	
25	04 53 15.*		36.6 N 141.4 E NEAR E. COAST HONSHU, JAPAN H= 33 KM MAG 3.60 CGS					
25	HW-	eL	05 02 15	LZ	22.0	304.5		
25	05 36 42.2		6.7 S 155.0 E SOLOMON ISLANDS H= 72 KM MAG 5.10 CGS					
25	MN-	eP	05 49 43.0	SZ	1.0	11.6	91.7	5.15
		eL	06 13 45	LZ	27	78.8		
25	NP-	eP	05 49 58.5	SZ	0.9	9.4	95.4	5.26
25	LC-	eL	06 23 00	LZ	30	232.0	100.6	
							AVG.	5.20
25	05 56 40.8		45.6 N 149.1 E KURILE ISLANDS H= 33 KM MAG 4.10 CGS					
25	DH-	eL	06 36 30	LT	35	451.9	84.2	
25	JE-	eP	06 31 45	LZ	25.0	259.6		
25	07 01 20.*		59.8 N 145.3 W ALASKA AFTERSHOCK H= 33 KM MAG 3.80 CGS					
25	NP-	eP	07 05 37.6	SZ	0.9	6.3	18.8	3.86
25	LC-	eL	07 25 30	LZ	15	706.3	37.5	
25	LC-	eL	07 11 48	LZ	20.0	89.6		
25	MN-	eP	07 20 47.5	SZ	999.9	9999.9		
25	09 43 30.7		59.9 N 144.9 W PRINCE WILLIAM SOUND, ALASKA H= 30 KM MAG 5.00 CGS					
25	NP-	eP	09 47 38.0	SZ	1.0	95.7	18.7	4.98
		e	50 33	LZ	16	1198.8		
		e	51 32	SR	1.3	30.6		
		eL	52 28	LZ	30	1017.0		
25	MN-	eP	09 49 14.0	SZ	0.9	13.4	27.4	4.65
		eP	49 22	LZ	17	175.8		
		ePCP	52 35	SZ	1.0	8.3		
		eS	53 35	LR	10	396.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	54 35	LT	20.0	198.8		
		eLR	57 18	LZ	19	1213.9		
25	LC-	ePP	09 52 02	LZ	17	145.9	37.3	
		eS	56 42	LR	16	564.1		
		e	59 40	LT	23	434.4		
		eLQ	10 01 20	LT	23	764.9		
		eLR	03 25	LZ	22	460.4		
25	HW-	eL	09 57 27	LZ	18	398.4	40.6	
25	JE-	eS	09 58 30	LT	16	551.1	44.6	
		e	10 02 00	LT	15	869.5		
		eLQ	07 30	LT	18	2638.0		
		eLR	10 20	LZ	13	3922.5		
25	DH-	eS	09 58 35	LR	16	317.7	45.1	
		eSS	10 01 30	LR	26	379.8		
		eLQ	04 40	LR	33	1374.5		
		eLR	09 05	LZ	20	1376.6		
							AVG.	4.81
25	LC-	eP	09 48 00	LZ	20	80.6		
25	11 07 52.*		49.8 N 155.6 E KURILE ISLANDS REGION H= 80 KM MAG 4.60 CGS					
25	11 34 29.*		57.6 N 150.8 W ALASKA AFTERSHOCK H= 33 KM MAG 4.20 CGS					
25	NP-	eP	11 39 28.5	SZ	0.9	9.4	21.9	4.18
25	11 46 14.		15.6 S 70.4 W SOUTHERN PERU H=215 KM MAG 4.00 CGS					
25	12 44 09.6		35.2 N 27.6 E DODECANESE ISLANDS REGION H= 27 KM MAG 4.50 CGS					
25	NP-	eP	12 55 00.5	SZ	0.8	5.3	66.9	4.74
25	MN-	eL	13 40 35	LZ	25	112.4	100.2	
25	13 36 06.8		15.6 S 69.4 W BOLIVIA H=265 KM MAG 4.00 CGS					
25	16 10 01.3		59.9 N 146.1 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.60 CGS					
25	NP-	eP	16 14 20.0	SZ	0.8	5.3	18.9	3.85
		e	18 16	SR	1.8	56.9		
25	MN-	eP	16 15 49.0	SZ	0.8	4.9	27.8	4.30
		eL	23 22	LZ	20	340.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	LC-	eL	16 30 10	LZ	25.8	124.4	37.9	
25	DH-	eL	16 33 35	LT	22	391.2	45.7	
							AVG.	4.07
25	JE-	eP	16 32 35	LZ	13	217.9		
25	JE-	eL	16 34 35	LT	15	2484.3		
25	18 11 24.*		60.7 N 145.3 W ALASKA AFTERSHOCK H= 33 KM MAG 3.70 CGS					
25	18 37 58.1		24.4 N 125.3 E RYUKYU ISLANDS H= 33 KM MAG 5.30 CGS					
25	NP-	eP	18 49 21.2	SZ	1.0	24.8	72.2	5.20
		e	49 33	SZ	1.0	49.6		
		eL	19 17 28	LZ	25	545.2		
25	MN-	eP	18 51 14.5	SZ	1.0	5.0	93.8	4.84
25	DH-	eL	19 27 10	LR	48	2081.7	111.1	
25	JE-	eL	19 33 05	LT	30	714.1	113.7	
							AVG.	5.02
25	LC-	eL	19 05 35	LR	18	140.6		
25	DH-	eP	19 46 16.5	SZ	0.3	6.1	1.5	
		eS	46 31	SR	0.5	20.8		
25	LC-	eP	21 19 12.5	SZ	0.3	7.4	1.4	
		eS	19 32	ST	0.3	7.5		
25	21 29 30.4		19.8 N 71.2 W NEAR N. CST. DOMINICAN REP. H= 35 KM MAG 4.30 CGS					
25	DH-	eP	21 34 32.3	SZ	1.2	26.5	22.6	4.55
		e	36 21	SR	0.5	20.8		
		e	38 50	LZ	20	317.6		
		eL	41 15	LZ	25	419.7		
25	LC-	eP	21 36 13.8	SZ	0.7	9.0	34.0	4.78
25	MN-	eP	21 37 41.3	SZ	0.6	3.4	44.5	4.33
							AVG.	4.55
25	MN-	eP	22 21 09.0	SZ	0.6	3.4	2.4	
		eS	21 40	SR	0.7	3.4		
25	NP-	eP	22 39 45.5	SZ	0.7	16.3		
26	01 17 12.*		14.9 N 92.5 W NEAR COAST CHIAPAS. MEXICO H= 45 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	LC-	eP	01 22 00.6	SZ	0.9	24.1	21.6	4.56
		e	22 13	SZ	0.8	12.3		
26	MN-	eP	01 23 41.9	SZ	0.8	4.4	32.6	4.38
26	DH-	eL	01 35 24	LZ	24	120.2	31.2	
							AVG.	4.47
26	MN-	eP	06 21 10.6	SZ	0.5	11.6		
26	LC-	eP	08 37 34.4	SZ	0.5	10.3		
		eS	38 16	SR	0.3	12.5	3.4	
26	10 09 19.*		17.3 N 98.1 W OAXACA, MEXICO H= 33 KM MAG 3.90 CGS					
26	13 59 27.7		5.8 S 105.0 E SOUTHERN SUMATRA H= 90 KM MAG 5.60 CGS					
26	NP-	ePD	14 13 31	SZ	0.6	2.7	105.5	
26	MN-	eP.	14 18 25.3	SZ	0.7	.8	129.2	
		e	18 29	SZ	1.0	10.0		
		eL	59 57	LR	50	610.6		
26	RK-	eP.	14 18 33.6	SZ	0.8	14.2	132.5	
		ePP	20 53	SZ	0.8	5.9		
		eSKP	21 56.0	SZ	1.0	35.0		
		e	22 01	SZ	0.8	22.1		
		e	22 19	SZ	1.0	20.0		
26	LC-	eP.	14 18 43.2	SZ	0.8	3.0	140.4	
		eSKP	22 22	SZ	1.0	6.5		
26	DH-	eP.1	14 18 52.5	SZ	0.9	67.9	143.7	
26	JE-	eP.1	14 19 11.0	SZ	1.3	172.7	149.6	
		eP.2	19 17.0	SZ	0.7	54.6		
26	14 46 17.*		14.1 S 167.9 E NEW HEBRIDES ISLANDS REGION H=195 KM					
26	14 52 07.6		20.6 S 178.0 W FIJI ISLANDS REGION H=490 KM MAG 5.10 CGS					
26	MN-	eP	15 03 32.7	SZ	1.2	65.3	81.2	5.06
		e	03 42	SZ	1.2	21.7		
		e	04 08	SZ	1.1	10.2		
		epP	05 21.0	SZ	1.5	61.2		
26	LC-	eP	15 03 58.4	SZ	1.1	87.2	86.2	5.34
		e	04 15	SZ	1.0	9.1		
		epP	05 46.0	SZ	1.2	24.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	5.28
26	DH-	eL	15 19 40	LZ	25	342.1		
26	NP-	eP	20 48 28.3	SZ	0.8	3.6		
26	22 17 02.2		28.1 S 178.2 W KERMADEC ISLANDS H= 37 KM MAG 4.10 CGS					
26	22 34 48.6		60.4 S 24.6 W SOUTH OF SANDWICH ISLANDS H= 33 KM MAG 4.80 CGS					
26	NP-	eP*1	22 54 32.2	SZ	1.4	36.4	148.5	
26	DH-	eL	23 27 24	LZ	35	341.4	110.2	
26	RK-	eL	23 37 27	LZ	30	855.2	124.0	
27	01 37 12.1		3 N 98.1 E OFF WEST COAST OF SUMATRA H= 33 KM MAG 5.30 CGS					
27	RK-	eP*	01 56 17.3	SZ	0.5	1.9	128.1	
		ePP	58 15	SZ	0.9	3.9		
27	MN-	eP*	01 56 21.9	SZ	0.7	2.0	129.1	
27	DH-	eL	02 49 50	LR	33	449.0	137.2	
27	JE-	eL	02 55 46	LT	20	352.9	146.7	
27	JE-	eP	01 56 04.8	SZ	0.5	11.2		
27	NP-	eL	02 42 37	LZ	21	646.0		
27	03 53 47.1		57.4 N 152.4 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.30 CGS					
27	LC-	eP	04 01 22.0	SZ	1.0	3.8	39.9	4.03
27	NP-	eP	04 03 39.0	SZ	0.6	11.5		
27	04 21 15.9		8.6 S 148.1 E EASTERN PAPUA H=110 KM MAG 4.50 CGS					
27	06 44 25.1		60.1 S 151.0 E BALLENY ISLANDS REGION H= 33 KM MAG 5.00 CGS					
27	RK-	eP*1	07 03 54.5	SZ	1.3	24.5	143.6	
		eSS	26 00	LT	32	3157.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSSS	31 40	LT	30.0	2283.8		
		e	35 11	LT	28	2240.6		
		eLQ	44 09	LT	49	9999.9		
		eLR	54 41	LZ	25	9999.9		
27	DH-	eP*1	07 04 10.0	SZ	0.9	13.1	147.0	
		eP*1	04 10	LZ	19	368.5		
		ePS	17 55	LR	25	485.5		
		e	27 05	LR	37	2915.3		
		eLQ	46 00	LR	28	1693.9		
		eLR	59 32	LZ	24	3518.0		
27	JE-	ePP	07 05 52	LZ	20	189.8	130.3	
		eSKP	07 03	LZ	20	474.5		
		e	24 00	LT	25	2448.7		
		eLQ	38 33	LR	39	5399.1		
		eLR	45 15	LZ	28	1538.1		
27	HW-	eSKS	07 07 49	LR	20	3577.0	90.7	
		eL	25 53	LZ	28	4617.1		
27	MN-	eSS	07 21 51	LR	28	3008.1	122.8	
		e	24 19	LR	25	864.5		
		eSSS	26 05	LR	27	2071.5		
		e	30 00	LR	29	1252.2		
		eLQ	33 08	LR	29	1398.3		
		eLR	40 28	LZ	31	4174.7		
27	LC-	eSS	07 22 07	LT	30	1637.1	123.6	
		e	29 58	LR	30	1512.1		
		eLQ	33 25	LR	28	1328.5		
		eLR	41 42	LZ	29	1995.0		
27	NP-	e	07 32 49	LT	36	9396.0	147.1	
		eLR	58 18	LZ	31	15.4U		
		eL	08 04 10	LT	25	16.6U		
		eL	04 10	LR	25	7140.7		
		eL	04 10	LZ	25	12.2U		
27	NP-	eP	07 09 02.8	SZ	0.9	23.6		
27	NP-	e	07 09 20	SZ	1.0	126.5		
27	09 09 07.*		16.6 N 94.8 W OAXACA, MEXICO H= 33 KM MAG 3.50 CGS					
27	12 07 53.*		4. N 31.1 W MID ATLANTIC OCEAN H= 33 KM MAG 4.70 CGS					
27	JE-	eL	12 37 44	LZ	25.0	235.1	63.3	
27	LC-	eL	12 43 10	LZ	23	79.7	75.6	
27	MN-	eL	12 48 27	LZ	28	178.1	85.2	
27	14 36 18.*		19.8 S 170.1 E NEW HEBRIDES ISLANDS H=274 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	MN-	eP	14 48 46.0	SZ	0.9	3.2	88.7	4.24
27	19 09 39.		60.5 N 146.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					
27	LC-	eP	19 16 58.4	SZ	1.0	2.5	38.3	3.96
27	20 25 04.*		59.8 N 148.4 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.30 CGS					
27	NP-	eP	20 34 28.0	SZ	1.0	6.1		
28	08 38 12.*		59.6 N 149.9 W ALASKA AFTERSHOCK H= 33 KM MAG 3.90 CGS					
28	NP-	eP	10 56 34.1	SZ	1.0	6.3		
28	12 21 25.6		59. N 138.7 W NEAR COAST OF S. E. ALASKA H= 33 KM MAG 4.60 CGS					
28	NP-	eP	12 25 41.0	SZ	1.0	14.7	18.6	4.16
		e	25 57	SZ	0.9	39.3		
		e	26 04	SZ	1.1	49.4		
		eL	30 07	LT	30	3586.1		
		eL	30 43	SZ	1.6	68.1		
28	MN-	eP	12 26 42.4	SZ	0.8	18.7	24.5	4.70
		eS	31 20	LR	16	1341.0		
		e	32 22	LZ	19	299.5		
		eLR	34 11	LZ	21	1743.7		
		eL	35 07	SR	2.5	21.3		
28	RK-	eP	12 27 04.0	SZ	0.9	3.8	26.7	4.05
		eS	32 00	LT	17	632.2		
		eL	34 08	LR	37	6563.3		
		eL	35 23	ST	3.0	885.5		
28	LC-	eP	12 28 09.5	SZ	1.2	7.9	34.2	4.50
		eS	33 52	LR	24	517.4		
		eL	38 18	LT	28	511.9		
28	HW-	eL	12 38 34	LT	15	2401.5	40.9	
28	DH-	eL	12 41 40	LR	33	1439.0	42.0	
28	JE-	eL	12 41 53	LT	32	3999.4	41.3	
							AVG.	4.35
28	13 34 10.4		57.6 N 150.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	NP-	eP	13 39 00.7	SZ	1.0	8.4	21.7	4.07
		e	39 08	SZ	0.9	46.8		
		eL	45 23	LT	30	896.5		
28	RK-	eP	13 40 41.7	SZ	0.9	7.7	32.8	4.60
		e	40 49	SZ	1.0	20.2		
		eL	50 47	LR	19	989.8		
28	LC-	eP	13 41 33.9	SZ	1.0	2.5	38.7	3.93
		eS	47 43	LT	21	124.9		
		eLQ	50 38	LT	35	560.8		
		eLR	52 36	LT	24	1200.0		
28	MN-	eL	13 47 37	LT	25	472.8	28.3	
28	DH-	eL	13 58 48	LR	18	347.4	48.2	
28	JE-	eL	13 59 02	LT	17	1732.7	46.8	
							AVG.	4.20
28	14 55 25.5		11.9 S 166.2 E SANTA CRUZ ISLANDS H= 42 KM MAG 4.20 CGS					
28	HW-	eL	15 19 07	LR	21.0	784.6	49.1	
28	MN-	eL	15 36 12	LZ	23	323.4	86.3	
28	LC-	eL	15 39 27	LZ	25	134.4	93.9	
28	MN-	eP	15 02 34.5	SZ	0.5	9.4	2.8	
		eS	03 10	SR	0.5	29.6		
28	15 11 30.4		12.3 S 166.1 E SANTA CRUZ ISLANDS REGION H= 72 KM					
28	19 33 33.5		16.6 S 70.0 W SOUTHERN PERU H=116 KM MAG 4.20 CGS					
28	NP-	eP	20 52 53.3	SZ	0.8	9.4		
28	LC-	eP	21 21 10.2	SZ	0.7	3.2		
28	LC-	e	21 23 28	ST	0.6	12.5		
28	LC-	e	21 24 31	ST	0.7	20.2		
28	MN-	eP	22 56 08.9	SZ	999.9	9999.9		
28	22 56 18.8		56.7 N 152.0 W ALASKA AFTERSHOCK H= 33 KM MAG 4.10 CGS					
28	NP-	eP	23 01 23.0	SZ	1.0	25.2	22.9	4.63
28	LC-	eL	23 17 44	LZ	23	140.2	39.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29			32.4 S 71.1 W CENTRAL CHILE					
			H= 79 KM MAG 4.5^0 CGS					
29			32.4 N 129.0 E NEAR W. COAST KYUSHU, JAPAN					
			H= 33 KM MAG 4.6^0 CGS					
29	NP-	e	02 24 06	SZ	0.8	4.4	63.4	
29	NP-	eL	02 46 05	LR	23	384.7	63.7	
29			60. N 147.4 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.0^0 CGS					
29			3.4 S 77.7 W PERU ECUADOR BORDER					
			H= 56 KM MAG 4.3^0 CGS					
29	NP-	eP	04 20 22.0	SZ	0.8	4.4	83.0	4.57
29			39.3 N 23.7 E AEGEAN SEA					
			H= 33 KM MAG 5.1^0 CGS					
29	NP-	e	04 32 21	SZ	1.0	9.8	62.3	
		eL	50 43	LZ	24	860.8		
29	DH-	eL	04 54 36	LT	30	626.5	70.3	
29	RK-	eL	04 58 15	LT	29	1228.6	74.8	
29	JE-	eL	05 01 44	LR	29	3342.2	87.5	
29	MN-	eLQ	05 02 40	LR	34	1167.3	95.1	
		eLR	11 10	LZ	29	2252.2		
29	LC-	eLQ	05 05 30	LR	37	1414.4	95.1	
		eLR	12 35	LZ	29	447.6		
29	HW-	eL	05 22 23	LZ	26	321.4	121.0	
29			12.8 S 167.1 E SANTA CRUZ ISLANDS					
			H=150 KM MAG 4.1^0 CGS					
29			7.2 S 155.7 E SOLOMON ISLANDS					
			H= 78 KM MAG 5.2^0 CGS					
29			12.1 N 88.4 W OFF COAST OF EL SALVADOR					
			H= 33 KM MAG 3.9^0 CGS					
29	LC-	eP	08 14 16.4	SZ	0.6	1.6	26.2	3.82
29	LC-	eL	11 28 38	SR	0.8	2.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC-	eP	12 30 33.2	SZ	0.9	3.0		
29			39.2 N 23.7 E AEGEAN SEA					
			H= 32 KM MAG 4.6^0 CGS					
29	NP-	eP	17 10 24.7	SZ	0.8	5.8	62.4	4.76
		eL	31 50	LR	18	431.4		
29	RK-	eP	17 11 42.3	SZ	0.7	6.7	74.9	4.72
		eL	37 13	LT	27	451.9		
29	LC-	eL	17 43 52	LR	29	252.7	95.1	
29	MN-	eL	17 47 28	LR	29	365.6	95.2	
29	JE-	eL	17 48 17	LZ	23	328.0	87.5	
							AVG.	4.74
29			58.2 S 15.7 W EAST OF SANDWICH ISLANDS					
			H= 33 KM MAG 5.6^0 CGS					
29	RK-	eP	17 56 40.6	SZ	0.7	4.0	125.9	
		eL	18 44 30	LT	24	477.8		
29	NP-	eP	17 57 26.3	SZ	0.6	6.6	148.6	
		e	59 42	SZ	0.8	5.8		
29	JE-	eL	18 34 51	LZ	29	217.5	109.8	
29	LC-	eL	18 39 00	LZ	24	255.9	117.3	
29			17.1 S 72.1 W NEAR COAST OF SOUTHERN PERU					
			H= 44 KM MAG 4.5^0 CGS					
29	LC-	eP	18 09 37.5	SZ	0.8	3.0	59.3	4.40
29	RK-	eP	18 00 41.4	SZ	0.6	9.0		
29	MN-	eL	18 51 50	LZ	18	173.0		
29	MN-	eL	19 26 00	LZ	17	1905.2		
29	LC-	eP	19 26 25.0	SZ	0.8	2.3		
29	RK-	eP	19 27 26.7	SZ	1.0	10.8		
29	NP-	eP	19 28 56.6	SZ	1.3	12.6		
29	LC-	eL	19 32 26	LR	26	477.1		
29	RK-	eL	19 35 12	LZ	19	250.7		
29	JE-	eL	19 38 29	LT	22	837.5		
29	MN-	eL	19 50 36	LZ	18	1928.6		
29	NP-	eP	19 53 30.5	SZ	1.0	3.9		
29	LC-	eL	19 56 56	LR	25	445.4		
29	JE-	eL	20 03 29	LZ	25	287.5		
29	RK-	eP	20 32 36.4	SZ	0.7	8.1		
29	LC-	eP	21 00 03.0	SZ	0.8	1.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC-	e	21 02 08	SZ	1.0	3.9		
29	21 53 15.*		11.8 N 87.6 W OFF COAST OF EL SALVADOR H= 33 KM MAG 4.50 CGS					
29	LC-	eP	21 58 57.3	SZ	0.7	4.5	26.9	4.24
29	NP-	eP	22 04 04.1	SZ	0.9	5.2	66.6	4.67
							AVG.	4.45
30	00 26 00.*		56.9 N 152.2 W ALASKA AFTERSHOCK H= 33 KM MAG 3.90 CGS					
30	MN-	eP	03 20 47.5	SZ	999.9	9999.9		
30	03 41 42.3		15.5 S 174.7 W TONGA ISLANDS H=224 KM MAG 4.20 CGS					
30	03 49 57.6		58.9 N 139.0 W SOUTHEASTERN ALASKA H= 20 KM MAG 3.87 CGS					
30	RK-	eP	03 55 39.0	SZ	0.6	7.4	26.8	4.54
		eL	04 03 52	SR	1.6	105.0		
		eL	03 52	SR	1.6	105.0		
		eL	04 03	LR	38	5365.3		
30	MN-	e	03 59 55	LR	16		24.5	
		eLR	04 02 45	LZ	22			
30	LC-	eS	04 02 30	LR	15	526.7	34.3	
		eSS	04 35	LR	22	251.5		
		eLQ	06 38	LT	30	982.5		
		eL	08 06	SZ	1.2	3.9		
		eLR	08 50	LZ	21	817.9		
30	JE-	eLQ	04 09 35	LT	40	953.9	41.4	
		eLR	12 20	LZ	19	2604.1		
30	DH-	eLQ	04 10 25	LR	30	1015.3	42.2	
		eL	11 44	SR	2.3	266.0		
		eLR	12 12	LZ	22	424.9		
30	MN-	eP	04 06 40.0	SZ	0.7	13.2		
30	RK-	eP	04 07 02.0	SZ	0.6	3.2		
30	RK-	e	04 15 16	SR	1.5	59.7		
30	DH-	eLQ	04 22 50	LR	23	720.9		
30	DH-	eL	04 23 06	SR	2.2	232.6		
30	DH-	eLR	04 25 00	LZ	20	409.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	04 49 48.		19.7 S 177.8 W FIJI ISLANDS H=339 KM MAG 4.00 CGS					
30	05 31 51.1		56.8 N 152.7 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.50 CGS					
30	LC-	eP	05 39 23.0	SZ	1.0	3.8	39.8	4.06
30	LC-	eL	05 58 35	LZ	17.0	198.6		
30	JE-	eL	06 03 50	LZ	15	207.8		
30	07 37 32.*		16.6 N 85.1 W OFF NORTH COAST OF HONDURAS H= 33 KM MAG 3.80 CGS					
30	LC-	eP	07 42 53.0	SZ	0.6	1.0	25.0	3.66
30	07 57 33.*		3.8 N 101.1 W WEST OF GALAPAGOS ISLANDS H= 33 KM MAG 4.60 CGS					
30	LC-	eP	08 03 32.2	SZ	1.0	5.1	28.9	4.25
		eLQ	13 38	LR	20	237.9		
		eLR	14 05	LZ	17	397.2		
30	08 06 23.*		56.2 S 27.6 W SANDWICH ISLANDS H= 88 KM MAG 4.90 CGS					
30	MN-	eL	10 46 50	LZ	20.0			
30	LC-	eP	10 59 55.0	SZ	0.7	1.2		
30	RK-	eP	11 01 05.0	SZ	1.0	5.1		
30	11 50 47.4		61.3 N 147.0 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					
30	MN-	eP	11 56 46.7	SZ	1.0	6.6	29.0	4.36
		eL	12 04 10	LZ	28			
30	LC-	eP	11 58 12.2	SZ	1.0	5.1	38.9	4.22
30	DH-	eL	12 16 00	LT	17	317.8	45.8	
30	JE-	eL	12 16 15	LT	20	707.3	46.0	
							AVG.	4.29

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	14 54 03.3		20.3 N 121.1 E OFF NORTH COAST LUZON, P. I. H= 50 KM MAG 5.70 CGS					
30	16 03 31.4		4.6 S 153.2 E NEW IRELAND REGION H= 78 KM MAG 5.20 CGS					
30	HW-	eP	16 13 07	LZ	21.0	514.0	55.8	
		eS	20 55	LR	17	3849.2		
		eL	27 12	LZ	25	1733.9		
		eL	29 20	LZ	26	5495.7		
30	LC-	eP	16 17 22	LZ	30	334.9	101.1	
		ePP	21 20	LZ	27	267.2		
		eSKS	27 55	LR	22	356.3		
		ePS	30 15	LR	27	1004.1		
		e	36 23	LT	27	1161.6		
		eLQ	45 45	LT	37	4555.8		
		eLR	49 55	LZ	999 9	9999.9		
30	RK-	ePP	16 22 15	LZ	30	360.8	108.1	
		eSP	31 40	LZ	25	810.5		
		e	33 10	LZ	22	1148.9		
		eSS	37 40	LR	28	1850.5		
		e	42 00	LT	31	1176.8		
		eLQ	48 35	LR	52	7226.8		
		eLR	53 35	LZ	30	3511.8		
30	DH-	e	16 24 00	LR	30	875.3	123.2	
		e	31 25	LZ	22	566.6		
		e	41 25	LR	47	2663.8		
		eLQ	55 00	LT	38	2033.8		
		eLR	17 01 00	LZ	35	3194.9		
30	DH-	eP	16 24 43.6	SZ	1.0	20.2		
30	16 25 31.*		59. N 148.6 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.20 CGS					
30	RK-	eP	16 31 54.5	SZ	0.9	7.8	31.8	4.57
30	LC-	eP	16 32 52.2	SZ	1.0	3.8	38.6	4.12
		e	33 55	SZ	1.0	2.5		
							AVG.	4.34
30	JE-	eL	16 32 30	LZ	16	1721.4		
30	LC-	eP	16 35 48.5	SZ	0.4	1.7	2.5	
		eS	36 20	SR	0.4	4.3		
30	DH-	eP	17 08 15.6	SZ	1.2	46.7		
30	RK-	eP	17 32 25.1	SZ	1.2	19.6		
30	LC-	eP	17 33 32.8	SZ	1.5	22.9		
30	RK-	eL	17 37 10	LR	18	1175.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	RK-	e	17 38 11	SR	1.6	43.7		
30	HW-	e	17 40 37	LZ	17	406.8		
30	RK-	e	17 41 25	SR	2.5	501.6		
30	HW-	eLQ	17 43 35	LT	15	6067.0		
30	LC-	eL	17 45 05	LT	22	9999.9		
30	HW-	eLR	17 45 25	LZ	24	1024.0		
30	LC-	eP	17 46 46.5	SZ	1.0	10.3		
30	DH-	eL	17 47 10	LR	27	3787.4		
30	DH-	eL	17 49 06	SR	1.9	153.1		
30	DH-	eLR	17 52 35	LZ	11	13.2U		
30	19 06 48.7		12.3 N 124.4 E SAMAR, PHILIPPINE ISLANDS H=121 KM					
30	HW-	eL	19 26 40	LZ	22.0	423.7		
30	23 51 28.*		58. N 150.9 W ALASKA AFTERSHOCK H= 33 KM MAG 3.90 CGS					

May 1964

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:	AF33(657)-12145

Bulletin No. 29
May 1964

14 December 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 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. Three-component long-period seismograph systems are also in operation at HW-IS and NP-NT.

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 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 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.).

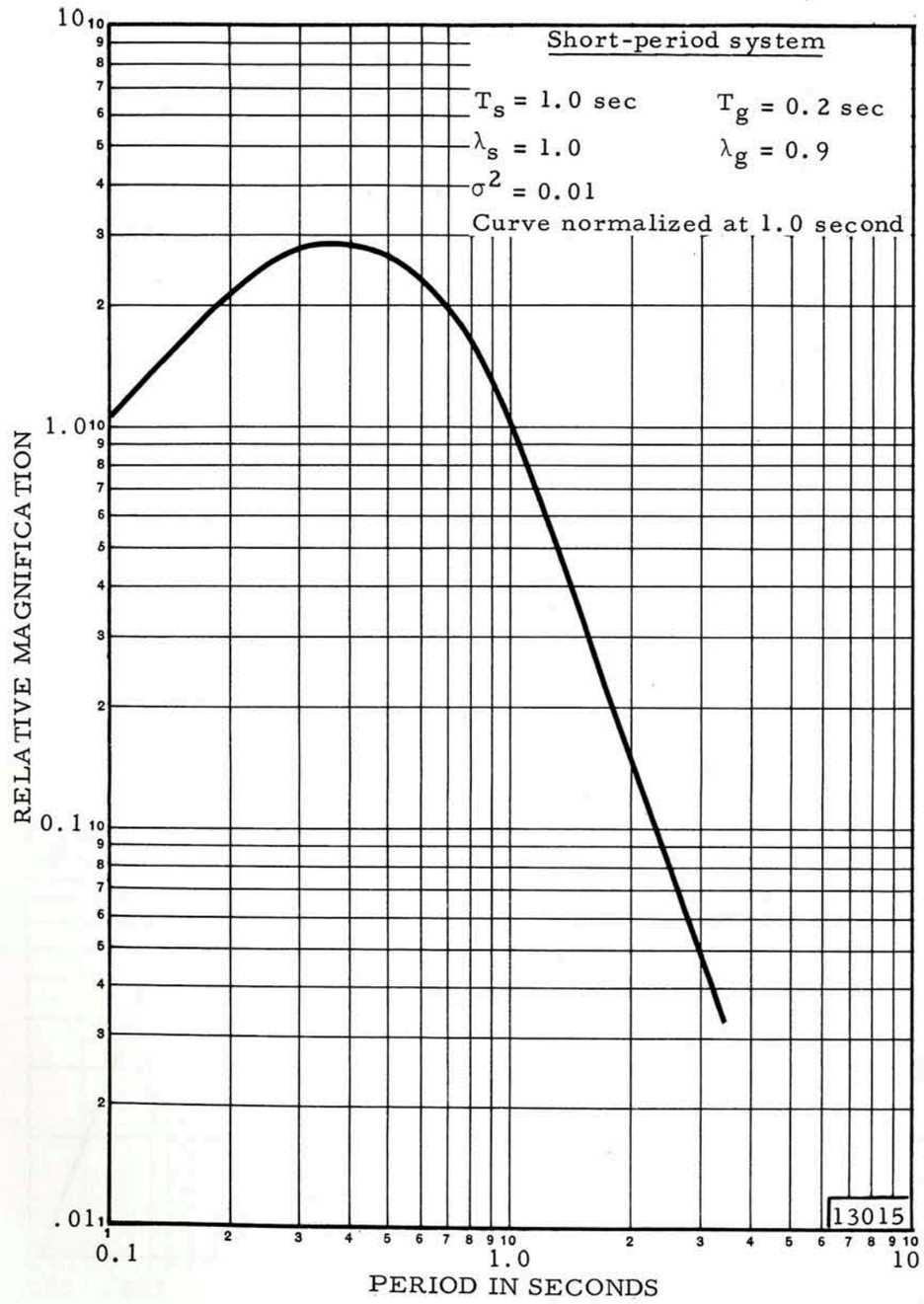

Figure 1. Frequency response of the Benioff short-period seismograph system

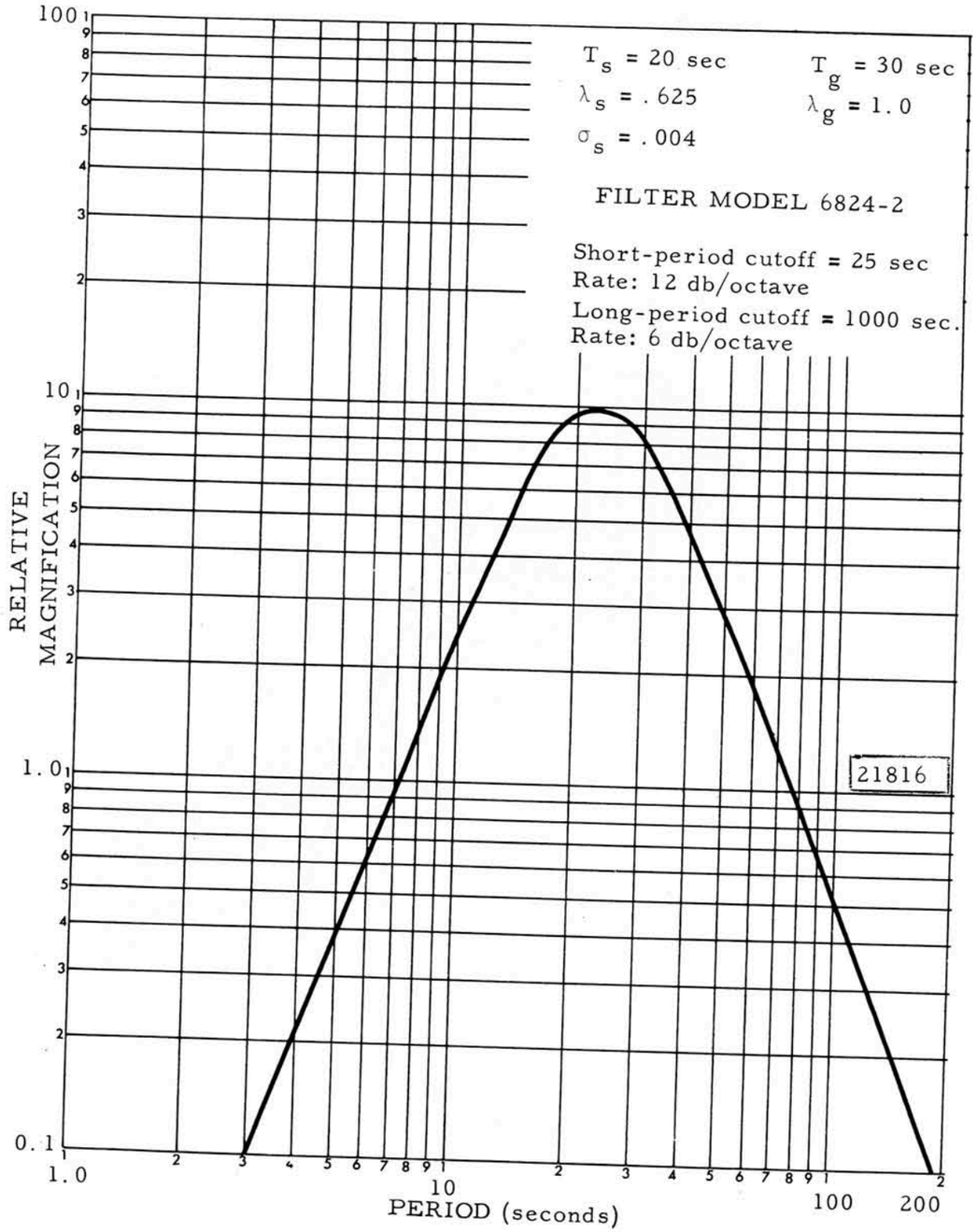

Figure 2. Frequency response of the Sprengnether long-period seismograph system

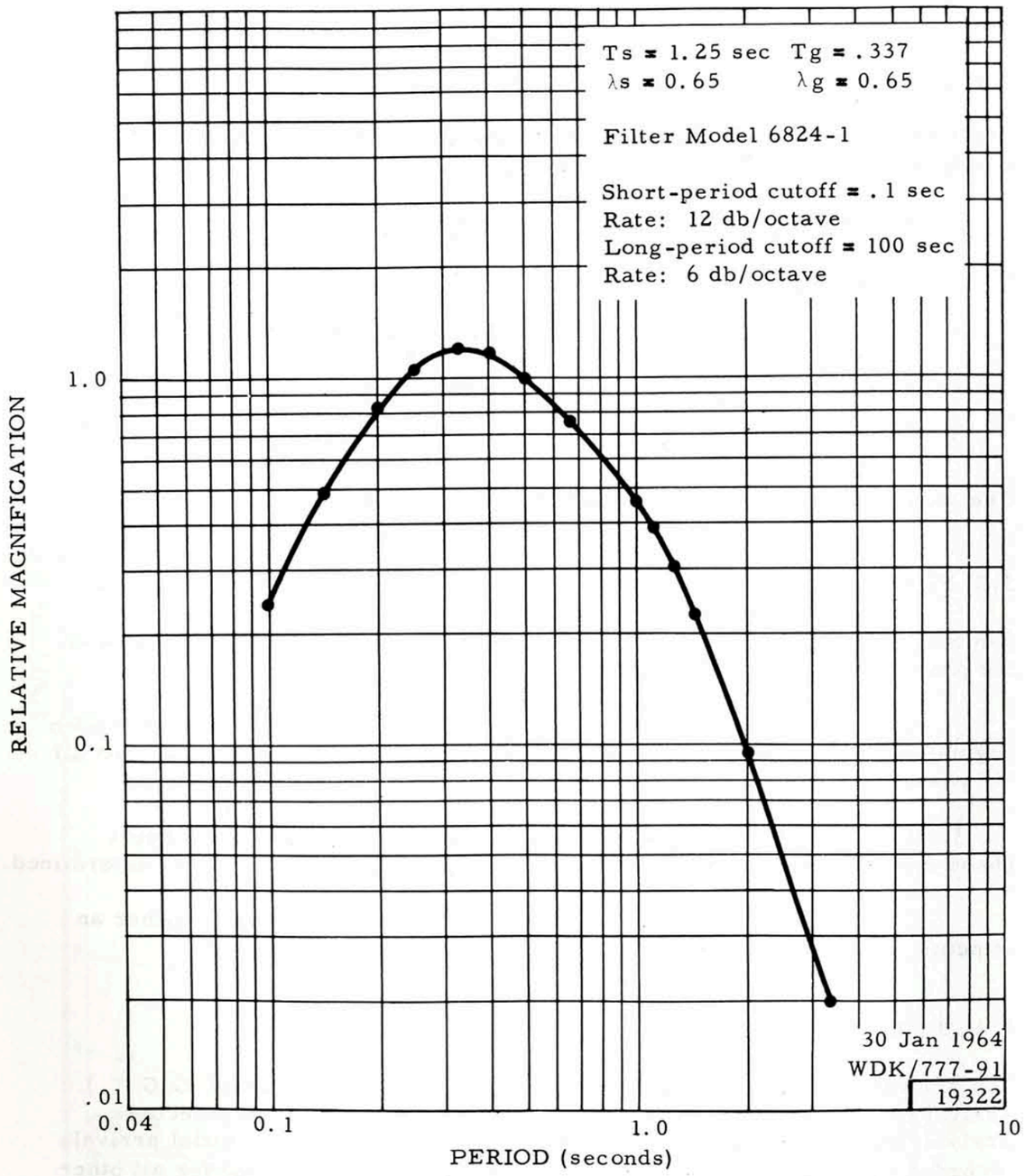

Figure 3. Frequency response of the Johnson-Matheson seismograph system

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 designator	Site location
LC -	Las Cruces, New Mexico
DH -	Delhi, New York
RK -	Red Lake, Ontario
JE -	Jena, 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 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.

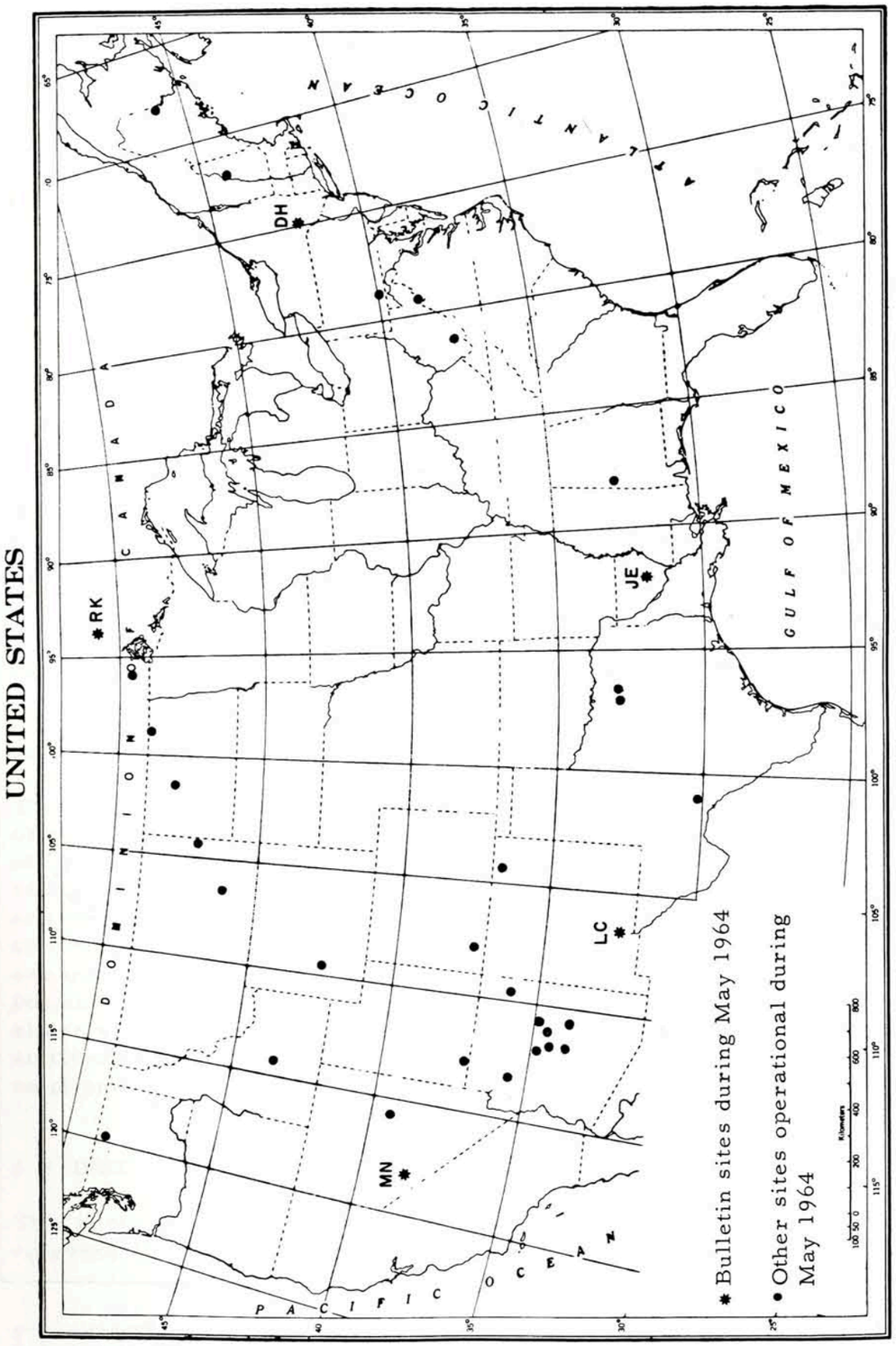

Figure 4. LRSM sites inside the continental United States and Canada during May 1964

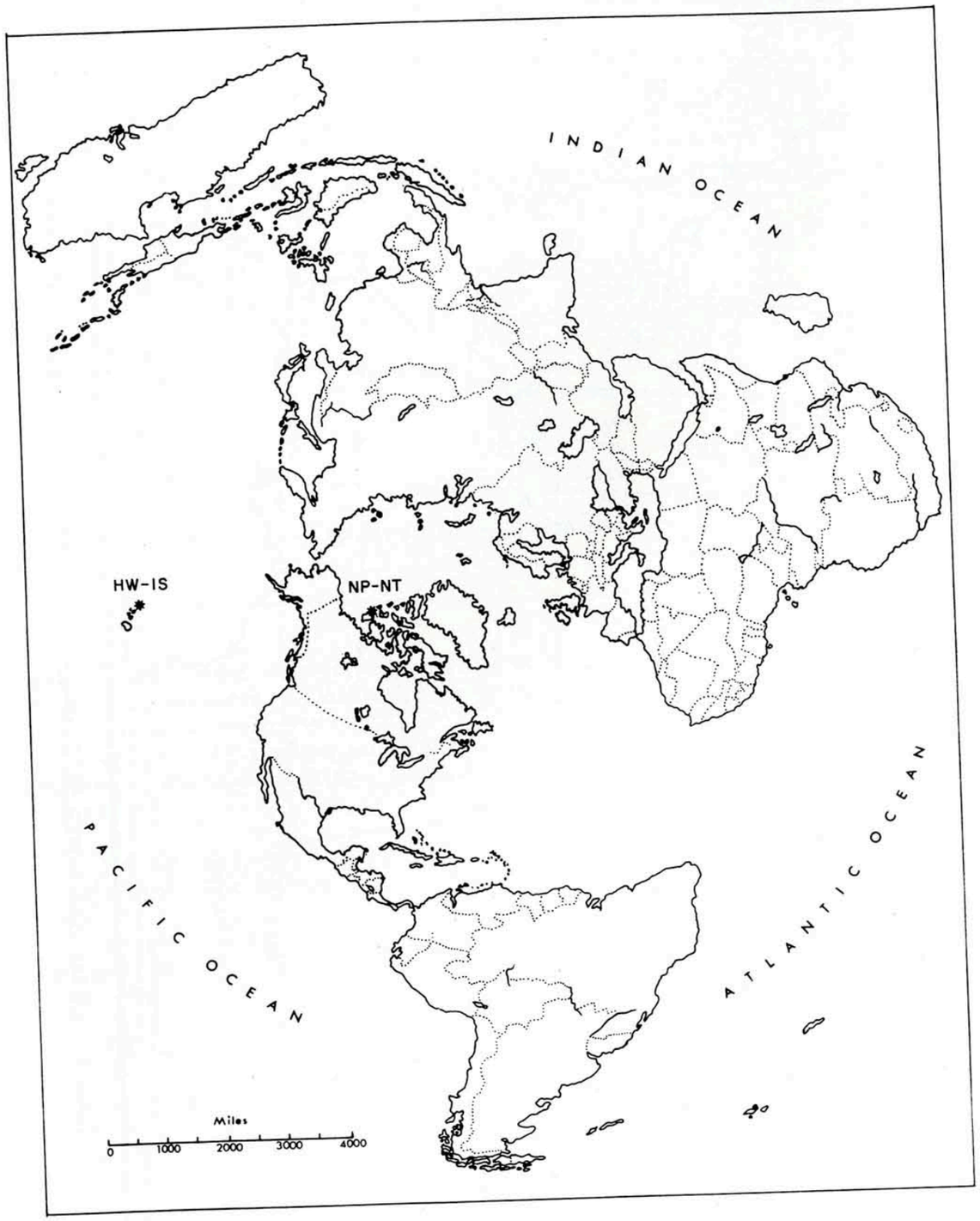

Figure 5. LRSM bulletin sites outside the continental United States during May 1964

3.5 INST

The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

SZ	Short-period vertical
SR[1]	Short-period radial (horizontal)
ST[1]	Short-period transverse (horizontal)
LZ	Long-period vertical
LR[1]	Long-period radial (horizontal)
LT[1]	Long-period transverse (horizontal)

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) or microns (μ) of ground displacement. All amplitudes are given in tenths of units. All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. If the amplitude is reported in microns, a U appears in the column to the right of the tenths column. The column is left blank if the amplitude is reported in millimicrons. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 999.9 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. The

[1] Table 1 gives the instrument orientation of the horizontal seismometers.

Table 1. Bulletin site information

Site designator	Site location	Horizontal seismometer orientation (Azimuth from true north in degrees[1]) Radial verse	Trans- verse	Site coordinates deg, min, sec		Elevation in km	Rock type
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		
HW-IS	Hawaii Island	235	325	N 19	58 49	0.71	Basalt
				W 155	42 20		
JE-LA	Jena, Louisiana	112	202	N 31	47 05	0.05	Sandstone
				W 92	00 55		
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		
MN-NV	Mina, Nevada	308	038	N 38	26 10	1.52	Limestone
				W 118	08 53		

[1]When earth moves in direction shown, trace moves up.

distance is given to the nearest one-tenth of a 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[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°.

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

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

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 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
			56.6 N 151.5 W PRINCE WILLIAM SOUND, ALASKA					
			H= 30 KM MAG 4.50 CGS					
1		eP	00 23 16.4	SZ	0.7	1.2	28.5	3.79
1	MN-	eP	00 24 04.3	SZ	0.7	3.8	33.8	4.41
1	RK-	eP	34 47	LR	15	741.2		
		eL						
							AVG.	4.10
			14.1 N 93.9 E ANDAMAN ISLANDS					
1	01 10 54.*		H= 33 KM					
			57.4 N 150.0 W PRINCE WILLIAM SOUND, ALASKA					
			H= 30 KM MAG 5.30 CGS					
1	03 13 03.5							
1		eP	03 18 54.9	SZ	0.9	17.3	28.2	4.82
	MN-	ePCP	22 07	SZ	0.7	2.4		
1		eP	03 19 36.5	SZ	0.7	19.0	32.8	5.10
	RK-	e	19 49	SZ	0.8	15.0		
		eL	30 22	LZ	33	487.8		
1		eP	03 20 26.5	SZ	1.1	35.0	38.6	5.02
	LC-	eL	31 42	LT	26	701.0		
1		eP	03 21 32.2	SZ	1.0	58.9	46.8	5.57
	JE-	eL	40 00	LZ	21	410.5		
1	DH-	eP	03 21 43.4	SZ	1.1	56.0	48.2	5.46
1	HW-	eL	03 30 32	LZ	24	298.6	37.6	
							AVG.	5.19
			59.7 N 144.1 W ALASKA AFTERSHOCK					
1	03 40 36.2		H= 20 KM MAG 4.40 CGS					
1		eP	03 46 18.0	SZ	1.4	11.9	26.9	4.38
1	MN-	eP	03 46 39.2	SZ	0.8	4.5	29.4	4.32
1	RK-	eL	54 05	LZ	30	638.3		
		eL	03 47 46.4	SZ	1.0	3.8	36.9	4.14
1	LC-	eP	59 06	LT	18	446.9		
		eL	04 04 58	LR	15	1423.6	44.7	
1	DH-	eL	04 05 40	LR	13	1089.6	44.2	
1	JE-	eL	06 42	LT	14	3476.0		
		eL	06 42	LR	14	3412.3		
		eL	06 42	LZ	13	498.1		
							AVG.	4.28
1	04 19 57.*		21.1 S 69.0 W NORTHERN CHILE H=119 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	06 01 55.4		60.5 N 145.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 5.40 CGS					
1		eP	06 07 46.2	SZ	1.2	42.3	28.0	5.11
	MN-	eP	07 48	LZ	15	820.7		
		eS	12 36	ST	2.0	30.8		
		eS	12 40	LT	22	572.1		
		eL	16 07	LZ	20	9999.9		
1		eP	06 08 04.8	SZ	1.2	31.3	30.1	5.01
	RK-	e	08 19	SZ	1.2	74.5		
		eS	13 06	LR	20	1055.7		
		e	14 02	LZ	23	930.1		
		eL	15 48	LR	32	5224.8		
		eL	16 53	SR	1.5	37.9		
1		eP	06 09 13.3	SZ	1.3	39.6	37.9	5.02
	LC-	eP	09 15	LZ	16	370.4		
		ePP	10 48	LZ	13	897.8		
		eS	15 04	LR	23	1175.2		
		e	18 08	LT	16	1735.1		
		eLQ	19 13	LT	30	1209.8		
		eLR	22 33	LZ	26	2067.1		
1		eP	06 10 12.3	SZ	1.4	93.5	45.1	5.49
	JE-	eP	10 18	LZ	13	622.6		
		eS	17 00	LT	17	1037.5		
		eS	17 00	LR	18	1479.9		
		eLQ	20 28	LT	19	2100.1		
		eLR	23 28	LR	30	2588.7		
		eL	26 10	SR	3.0	618.3		
1		e	06 15 59	LZ	22	678.0	41.1	
	HW-	eLQ	19 26	LT	21	1663.3		
		eLR	20 41	LR	25	2388.6		
1		eS	06 16 57	LR	14	825.9	45.3	
	DH-	eSCS	20 09	LR	23	671.1		
		eL	23 55	LT	33	2109.8		
		eL	25 37	SR	2.0	159.4		
		eLR	27 32	LR	15	4141.5		
							AVG.	5.15
1	07 08 12.*		57.5 N 150.6 W PRINCE WILLIAM SOUND, ALASKA H= 20 KM MAG 4.50 CGS					
1		eP	07 14 08.0	SZ	0.8	1.4	28.5	3.83
	MN-	e	14 14	SZ	0.9	6.4		
1		eP	07 15 40.6	SZ	1.0	3.3	39.0	3.99
	LC-	e	15 46	SZ	1.1	14.3		
		eL	28 53	LZ	24	284.2		
1		eP	07 16 52.7	SZ	1.0	29.4	47.1	5.31
	JE-	e	23 04	LR	27	983.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	36 45	LR	20.8	4191		
							AVG.	4.37
							.4	
1	MN-	eP	07 18 35.0	SZ	0.3	5.3		
		eS	18 41	SR	0.3	14.1		

1 07 44 44.9 59.7 N 147.1 W ALASKA AFTERSHOCK
H= 35 KM MAG 4.80 CGS

1	MN-	eP	07 50 35.2	SZ	1.2	6.4	28.1	4.26
		eL	58 00	LT	20	509.1		
1	RK-	eP	07 50 58.7	SZ	0.6	3.2	30.9	4.35
		eLQ	08 00 06	LR	30	876.6		
		eLR	03 29	LZ	16	795.9		
1	LC-	eP	07 52 03.5	SZ	1.3	9.9	38.2	4.44
		eL	08 06 12	LZ	19	245.8		
1	HW-	eL	08 03 30	LZ	23	381.3	40.2	
1	DH-	eL	08 04 12	LZ	35	559.5	46.2	
1	JE-	eL	08 08 45	LT	20	973.5	45.7	
							AVG.	4.35
							.1	
1	RK-	eP	08 19 19.4	SZ	0.5	2.8		
		eS	19 22	ST	0.5	43.4		
1	MN-	eP	09 49 51.0	SZ	1.0	3.3		

1 09 51 32.* 18.6 S 69.5 W NORTHERN CHILE
H=136 KM MAG 4.20 CGS

1	JE-	eL	10 22 00	LZ	22.0	1160.3	54.6
1	RK-	eL	09 59 02	LR	25.0	410.2	

1 11 23 09.1 44.1 N 148.6 E KURILE ISLANDS
H= 35 KM MAG 4.10 CGS

1 14 04 45.1 1.2 N 85.2 W EAST OF GALAPAGOS ISLANDS
H= 33 KM MAG 4.40 CGS

1	RK-	eP	14 13 37.1	SZ	0.7	6.3	50.0	4.66
1	LC-	eL	14 23 11	LZ	40	567.7	37.0	
1	DH-	eL	14 25 05	LR	24	499.4	41.9	
1	HW-	eL	14 38 20	LZ	21	257.0	71.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	MN-	eP	14 36 55.7	SZ	0.2	9999.9	1.3	
		eS	37 14	SR	0.3	10.4		

1 14 39 58.* 60.4 N 145.1 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 4.30 CGS

1	MN-	eP	14 45 44.0	SZ	1.2	6.4	27.8	4.24
1	RK-	eP	14 46 03.8	SZ	0.7	6.3	29.8	4.52
							AVG.	4.38

1 15 57 29.* 56. N 167.6 W FOX ALEUTIAN ISLANDS
H= 33 KM MAG 4.30 CGS

1 16 06 12.* 14.3 S 167.1 E NEW HEBRIDES ISLANDS
H= 95 KM

1	DH-	eP	16 43 26.7	SZ	0.4	13.9	.9	
		eS	43 49	SR	0.5	57.7		

1 21 24 23.* 6.4 S 127.3 E BANDA SEA
H=472 KM

1	LC-	eP	21 39 51.5	SZ	0.3	8.2	1.3	
		eS	40 09	ST	0.4	9.0		

1 23 47 35.3 32.3 S 179.5 W KERMADEC ISLANDS
H= 33 KM MAG 4.80 CGS

2	DH-	eL	00 50 05	LZ	24.0	1048.9	121.0	

2 01 32 12.* 17.1 N 96.0 W OAXACA, MEXICO
H= 33 KM MAG 3.70 CGS

2 03 24 22.* 43.5 N 110.5 W WESTERN WYOMING
H= 15 KM MAG 4.00 CGS

2 04 43 50.* 58.6 N 151.1 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 4.00 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2			05 15 51.1	4. S 102.8 E SOUTHERN SUMATRA H=106 KM MAG 5.40 CGS				
2			08 28 47.*	45.6 N 149.8 E KURILE ISLANDS H= 80 KM MAG 4.40 CGS				
2			10 02 42.*	59.4 N 146.5 W ALASKA AFTERSHOCK H= 33 KM MAG 4.30 CGS				
2	LC-	eP	10 09 58.0	SZ	1.2	6.0	37.8	4.27
2	RK-	eP	10 07 54.8	SZ	0.9	9.9		
2			10 56 00.2	14.9 S 167.3 E NEW HEBRIDES ISLANDS H=108 KM MAG 4.00 CGS				
2	RK-	eP	11 41 22.3	SZ	0.6	15.0		
2	MN-	eP	11 41 40.5	SZ	1.3	16.0		
2	DH-	eL	12 31 04	LZ	30	253.1		
2	RK-	eL	12 41 37	LR	25	246.1		
2	LC-	eL	12 44 28	LZ	25	87.4		
2	MN-	eL	12 50 07	LZ	25	145.3		
2			16 11 00.2	45.5 N 150.3 E KURILE ISLANDS H= 35 KM MAG 5.70 CGS				
2	HW-	eP	16 20 00	LZ	23	1596.4	50.9	
		eS	27 20	LT	23	9999.9		
		eS	27 20	LR	20	9645.5		
		e	30 40	LZ	24	9136.7		
		eL	34 05	LT	21	9999.9		
2	MN-	eP	16 21 37.7	SZ	0.9	28.8	64.8	5.40
		eP	21 40	LZ	21	1847.2		
		e	23 05	LZ	19	1649.3		
		e	23 46	SZ	1.1	41.1		
		eS	30 20	SR	4.0	460.0		
		eS	30 20	LT	21	9999.9		
		eL	41 19	LZ	30	9999.9		
2	RK-	eP	16 22 04.4	SZ	0.8	73.2	69.3	5.80
		eP	22 05	LZ	17	3833.9		
		eS	31 07	SR	1.6	62.8		
		eS	31 07	LR	25	7180.1		
		eS	31 07	LT	21	4055.5		
		eSS	35 15	LR	29	4818.1		
		eSSS	39 00	LR	27	9999.9		
		eLQ	44 53	LR	33	9448.5		
		eLR	46 42	LZ	28	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	LC-	eP	16 22 44.5	SZ	0.8	14.0	75.9	5.03
		eP	22 47	LZ	18	2576.4		
		eS	32 27	LT	999 9	9999.9		
		eS	32 31	ST	2.4	39.2		
		eL	46 10	LZ	24	9999.9		
2	DH-	eP	16 23 27.3	SZ	0.9	65.9	83.8	5.76
		eP	23 28	LZ	22	2449.6		
		eS	33 48	LR	25	7712.7		
		eS	33 48	LT	20	2273.5		
		eSS	39 22	LR	28	2358.4		
		eL	45 44	LR	24	2777.4		
		eLR	52 10	LZ	33	6656.7		
2	JE-	eP	16 23 31.5	SZ	0.8	96.0	84.6	5.97
		eP	23 33	LZ	15	5660.7		
		eS	33 55	LR	20	16.3U		
		eS	33 55	LT	18	4967.7		
		eS	33 57	SR	2.5	478.8		
		eSS	39 48	LR	25	6495.6		
		eLQ	49 12	LT	33	7544.3		
		eLR	52 22	LZ	29	5521.4		
							AVG.	5.59
2			16 33 47.9	27.3 S 178.9 W KERMADEC ISLANDS H=369 KM MAG 4.50 CGS				
2	MN-	eP	16 45 53.2	SZ	0.8	5.9	86.6	4.49
		e	50 19	SZ	1.2	8.9		
2	LC-	eP	16 46 12.7	SZ	1.2	16.2	90.8	4.82
2	RK-	e	16 50 08	SZ	1.7	85.9	107.8	
							AVG.	4.65
2			17 08 57.6	59.7 N 147.0 W ALASKA AFTERSHOCK H= 30 KM MAG 4.80 CGS				
2	MN-	eP	17 14 48.5	SZ	0.9	3.2	28.1	4.09
2	RK-	eP	17 15 12.7	SZ	0.9	9.9	30.9	4.67
		eSCS	25 42	SR	3.1	299.4		
2	LC-	eP	17 16 16.7	SZ	1.0	3.9	38.2	4.14
							AVG.	4.30
2			19 53 11.*	9.5 N 84.5 W NEAR WEST COAST COSTA RICA H= 44 KM MAG 4.30 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2			21 01 44.8					
			8.6 S 110.4 E NEAR SOUTH COAST OF JAVA					
			H=102 KM					
2			22 46 24.*					
			1.9 N 123.0 E CELEBES SEA					
			H=487 KM MAG 5.20 CGS					
2			23 34 28.*					
			26.3 N 100.7 E YUNNAN PROVINCE, CHINA					
			H= 33 KM MAG 5.00 CGS					
3			01 54 33.5					
			40.3 N 141.9 E NEAR E. COAST HONSHU, JAPAN					
			H= 59 KM MAG 4.80 CGS					
3	MN-	eP	02 05 59.2	SZ	0.8	3.4	72.8	4.36
3	LC-	eP	02 06 58.8	SZ	0.9	9.0	83.9	4.83
							AVG.	4.59
3	MN-	eP	02 44 14.2	SZ	0.3	9999.9		
		eS	44 22	SR	0.3	12.6		
3			04 43 12.4					
			17.9 S 178.3 W FIJI ISLANDS REGION					
			H=569 KM MAG 3.90 CGS					
3	MN-	eP	04 54 21.6	SZ	0.8	2.9	79.5	3.77
3			04 49 36.*					
			13.7 N 145.6 E MARIANA ISLANDS					
			H=209 KM MAG 4.60 CGS					
3			07 32 56.3					
			56.5 N 154.8 W PRINCE WILLIAM SOUND, ALASKA					
			H= 30 KM MAG 4.40 CGS					
3	MN-	eL	07 47 55	LR	21	618.1	30.2	
3	HW-	eL	07 50 00	LZ	25	260.0	36.5	
3	LC-	eLQ	07 51 45	LR	40	145.0	40.8	
		eLR	55 45	LZ	18	470.3		
3	DH-	eL	08 02 25	LZ	20	114.9	51.0	
3			07 58 45.*					
			58.1 N 151.6 W PRINCE WILLIAM SOUND, ALASKA					
			H= 33 KM MAG 4.20 CGS					
3	MN-	eP	08 04 45.1	SZ	0.8	2.4	29.2	4.03
3	LC-	eP	08 06 15.5	SZ	1.1	4.8	39.7	4.12
		eL	18 40	LZ	20	103.0		
							AVG.	4.07

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3			13 31 14.1					
			23.9 S 68.6 W JUJUY PROVINCE, ARGENTINA					
			H=210 KM MAG 4.40 CGS					
3	LC-	eL	14 08 22	LZ	20.0	154.6	67.8	
3	MN-	eL	14 10 43	LZ	22	223.3	78.6	
3	HW-	eL	14 04 20	LZ	22.0	169.5		
3	DH-	eL	14 10 20	LZ	36	135.2		
3	DH-	eL	15 02 20	LZ	24	112.1		
3			15 28 30.*					
			17. N 96.0 W OAXACA, MEXICO					
			H= 33 KM MAG 3.70 CGS					
3			15 28 50.					
			52.2 N 172.1 W ANDREANOF ALEUTIAN ISLANDS					
			H= 30 KM MAG 4.40 CGS					
3	MN-	eP	15 36 17.0	SZ	1.0	2.5	39.4	3.88
		eL	47 17	LR	25	360.1		
3	LC-	eP	15 37 51.0	SZ	0.8	1.5	50.5	4.00
		eL	53 20	LZ	30	218.2		
							AVG.	3.94
3	JE-	eL	16 41 15	LZ	20	386.9		
3	LC-	eP	19 41 14.0	SZ	0.3	5.1	1.4	
		eS	41 32	ST	0.4	15.1		
3	DH-	eL	19 55 45	LZ	27	239.8		
3	HW-	eL	20 44 25	LZ	25	390.1		
3	LC-	eL	20 49 25	LZ	15	88.5		
3			21 31 53.*					
			59. N 148.5 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 4.40 CGS					
3	MN-	eP	21 37 46.0	SZ	0.6	2.7	28.3	4.22
3	LC-	eP	21 39 15.6	SZ	1.1	4.8	38.5	4.16
							AVG.	4.19
3			21 39 30.*					
			61. N 145.8 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 3.90 CGS					
3			22 31 44.3					
			45.3 N 110.6 W SOUTHWESTERN MONTANA					
			H= 33 KM MAG 4.10 CGS					
3			23 03 24.*					
			1 N 123.4 E NORTHERN CELEBES					
			H=160 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
			56. N 162.4 W ALASKA PENINSULA					
4		02 26 35.*	H=199 KM MAG 4.50 CGS					
				SZ	1.0	5.0	44.9	3.90
4	LC=	eP	02 34 31.5	SZ	0.6	37.1	55.1	5.21
4	DH=	eP	02 35 48.2					
							AVG.	4.55
			61.3 N 141.8 W ALASKA AFTERSHOCK					
4		09 00 10.*	H= 33 KM MAG 3.90 CGS					
4	MN=	eP	09 05 51.4	SZ	0.9	1.9	27.2	3.78
		eL	14 28	LZ	18	93.8		
4	DH=	eL	09 25 44	LZ	12	428.6	43.4	
			58.2 N 152.3 W PRINCE WILLIAM SOUND, ALASKA					
4		12 04 46.1	H= 30 KM MAG 5.30 CGS					
							29.6	4.84
4	MN=	eP	12 10 50.9	SZ	0.9	17.3		
		e	10 59	SZ	0.8	11.8		
		ePCP	14 04	SZ	1.0	7.5		
		eS	16 01	LR	24	746.2		
		eSCP	17 33	SZ	0.9	1.9		
		eL	19 09	LR	23	1111.7		
		eL	20 25	LR	21	1161.2		
		eL	20 25	LT	18	510.3		
		eL	20 25	LZ	21	1310.8		
							33.8	4.43
4	RK=	eP	12 11 27.3	SZ	0.8	4.5		
		ePCP	14 14	SZ	0.9	5.9		
		eL	23 50	LT	22	812.2		
							40.1	4.98
4	LC=	eP	12 12 20.9	SZ	1.0	32.6		
		e	12 30	SZ	1.0	50.2		
		ePPP	14 34	SZ	1.0	5.0		
		e	15 26	SZ	1.5	11.0		
		eS	18 29	LR	23	267.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	18 29	LT	17.0	403.8		
		eL	23 55	LZ	29	799.7		
		eL	27 24	LT	20	1106.3		
		eL	27 24	LR	21	1474.8		
		eL	27 24	LZ	22	1537.8		
4	DH=	eP	12 13 33.0	SZ	1.0	19.7	49.2	5.05
		eL	27 35	LR	36	156.1		
4	HW=	eL	12 22 23	LR	22	1517.9	38.3	
4	JE=	e	12 24 10	LT	22	464.1	48.1	
		eL	30 37	LT	21	1172.8		
		eL	32 52	LT	19	992.0		
							AVG.	4.82
4	LC=	eP	13 25 34.5	SZ	0.9	1.9		
4	DH=	eP	14 22 00.6	SZ	0.3	24.6	1.7	
		eS	22 24	ST	0.4	39.2		
			55.8 S 4.4 W BOUVET ISLAND REGION					
4		17 05 20.*	H= 33 KM MAG 5.40 CGS					
4	DH=	ePS	17 34 45	LT	25.0	583.0	114.4	
		eSS	41 00	LT	31	1017.0		
		eL	59 05	LT	32	918.5		
4	MN=	e	17 43 32	LR	29	215.0	133.6	
		e	45 26	LR	31	921.0		
		e	50 23	LR	20	306.0		
		eL	18 18 15	LR	25	663.4		
4	MN=	eP	18 02 33.4	SZ	0.4	5.7	1.9	
		eS	02 59	SR	0.4	8.0		
			14.7 S 76.0 W NEAR COAST OF PERU					
4		19 25 41.*	H= 33 KM MAG 4.50 CGS					
4	RK=	eP	19 36 31.4	SZ	0.8	7.5	67.1	4.87
4	MN=	eP	19 32 45.9	SZ	0.3	7.4	2.0	
		eS	33 12	SR	0.4	19.0		
4	LC=	eP	20 38 38.5	SZ	0.2	26.3	1.4	
		eS	38 58	ST	0.4	11.7		
4	LC=	eL	22 12 47	LZ	23	139.8		
			60.7 N 147.6 W PRINCE WILLIAM SOUND, ALASKA					
5		00 21 57.*	H= 33 KM MAG 4.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	MN-	eL	00 37 04	LZ	16.0	134.8	28.9	
		eL	02 18 12	LZ	25	294.4		
5	02 04 18.*		57.4 N 149.5 W PRINCE WILLIAM SOUND, ALASKA H= 33 KM MAG 4.40 CGS					
5	MN-	eP	02 10 10.2	SZ	0.6	3.5	27.9	4.29
5	RK-	eP	02 10 47.5	SZ	1.0	10.1	32.5	4.65
5	LC-	eP	02 11 37.0	SZ	1.0	2.5	38.4	3.95
		ePCS	17 47	LR	20	135.6		
		eLQ	22 50	LT	20	405.6		
		eLR	23 55	LZ	25	207.7		
5	HW-	eL	02 21 40	LZ	28	311.8	37.6	
5	DH-	eL	02 32 20	LZ	20	255.7	47.9	
							AVG.	4.29
5	02 32 42.*		60.4 N 147.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.40 CGS					
5	RK-	eP	02 39 01.5	SZ	0.8	2.9	30.8	4.23
5	LC-	eP	02 40 06.0	SZ	1.2	5.8	38.5	4.18
							AVG.	4.20
5	02 53 10.3		7.3 N 73.3 W NORTHERN COLOMBIA H=105 KM MAG 4.80 CGS					
5	LC-	eP	03 00 36.0	SZ	1.1	3.1	39.8	4.06
		e	01 09	SZ	0.7	2.5		
5	03 26 46.1		17.7 S 68.9 W WESTERN BOLIVIA H= 33 KM MAG 4.90 CGS					
5	LC-	eP	03 37 00.0	SZ	0.9	3.9	61.5	4.54
5	MN-	eP	03 38 11.2	SZ	0.9	6.4	72.4	4.66
5	RK-	eP	03 38 11.6	SZ	0.6	4.2	71.6	4.65
							AVG.	4.61
5	RK-	eP	04 11 29.9	SZ	0.5	3.8		
5	LC-	eP	04 12 34.0	SZ	1.2	11.7		
5	LC-	eP	05 13 33.5	SZ	0.6	5.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	LC-	eL	05 15 15	SR	0.8	8.4		
5	LC-	eLQ	05 15 30	LR	18	453.4		
5	LC-	eLR	05 16 10	LZ	15	521.3		
5	LC-	eP	05 20 21.0	SZ	0.5	1.9		
5	LC-	eL	05 22 09	SR	0.7	1.7		
5	LC-	eP	06 40 30.0	SZ	0.6	2.1		
5	LC-	eL	06 42 20	SR	0.7	2.3		
5	08 01 48.4		45.5 N 150.1 E KURILE ISLANDS H= 40 KM MAG 4.90 CGS					
5	MN-	eP	08 12 26.2	SZ	0.9	10.7	65.0	4.96
		ePCP	12 57	SZ	1.0	13.0		
		e	16 28	ST	2.0	41.1		
		e	21 07	LR	25	473.8		
		eL	29 25	LT	30	1232.7		
		eL	32 16	LZ	30	773.9		
5	RK-	eP	08 12 52.3	SZ	0.5	4.7	69.4	4.80
		eS	21 55	LR	16			
		eSS	26 50	LT	22	203.0		
		eLQ	30 00	LR	20			
		eLR	34 50	LR	25			
5	LC-	eP	08 13 33.0	SZ	0.8	3.0	76.0	4.36
		eS	23 15	LR	22	293.2		
		eSS	28 10	LR	30	319.1		
		e	31 55	LR	24	335.9		
		eLR	36 59	LZ	35	780.7		
		eL	39 50	LR	24	437.7		
		eL	39 50	LT	12	416.7		
		eL	39 50	LZ	26	547.6		
5	DH-	eP	08 14 15.9	SZ	0.8	11.5	83.9	5.04
		e	14 27	SZ	0.8	20.7		
		eL	45 36	LZ	30	802.3		
5	JE-	eP	08 14 20.5	SZ	0.7	10.2	84.7	5.04
5	HW-	e	08 18 09	LZ	23	519.2	51.1	
		eL	24 26	LZ	30	1843.0		
							AVG.	4.84
5	08 42 06.2		52. N 173.8 W ANDREANOF ALEUTIAN ISLANDS H= 45 KM MAG 4.00 CGS					
5	RK-	eP	08 50 38.0	SZ	0.7	8.7	47.5	4.86
		e	50 51	SZ	0.6	7.3		
5	LC-	eP	08 51 09.9	SZ	1.0	2.5	51.6	4.15
5	DH-	eP	08 52 29.5	SZ	1.0	38.9	62.9	5.41
		e	52 43	SZ	0.6	14.6		
							AVG.	4.80

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
			9. S 156.6 E SOLOMON ISLANDS					
5	08 44 59.1		H= 33 KM MAG 5.10 CGS					
5	HW-	eL	09 11 17	LZ	25.0	449.4	55.1	
5	MN-	eL	09 31 10	LZ	21	249.4	91.8	
5	LC-	eLR	09 31 40	LZ	25	295.1	100.5	
		eL	34 25	LR	22	212.3		
		eL	34 25	LT	20	311.0		
		eL	34 25	LZ	20	275.7		
			52. N 172.8 W ANDREANOF ALEUTIAN ISLANDS					
5	09 32 12.*		H= 33 KM MAG 4.30 CGS					
5	RK-	eP	09 40 40.5	SZ	0.5	4.7	47.0	4.78
5	DH-	eP	09 42 31.9	SZ	1.0	29.1	62.4	5.36
		e	42 45	SZ	0.6	12.2		
							AVG.	5.07
			55.8 S 4.3 W BOUVET ISLAND REGION					
5	11 12 52.*		H= 33 KM					
5	LC-	eSS	11 50 25	LR	30.0	184.1	122.8	
		eLQ	12 06 50	LR	15	119.5		
		eLR	16 35	LR	24	356.3		
5	DH-	eL	12 06 45	LZ	33	1328.4	114.4	
5	RK-	eL	12 12 50	LT	35	838.4	129.4	
5	HW-	eL	12 17 13	LZ	29	352.3	138.3	
5	MN-	eL	12 25 57	LR	27	438.8	133.6	
5	LC-	eP	11 32 24.0	SZ	0.6	1.0		
5	MN-	eP	13 26 22.3	SZ	0.5	1.4	3.0	
		e	26 24	SZ	0.5	7.4		
		eS	27 02	ST	0.5	13.3		
5	DH-	eP	13 42 51.1	SZ	0.6	12.2	1.5	
		eS	43 11	SR	0.7	21.4		
			43.2 N 87.8 E SINKIANG PROVINCE, CHINA					
5	14 38 06.*		H= 33 KM MAG 4.60 CGS					
5	16 13 44.5		58.2 N 149.7 W PRINCE WILLIAM SOUND, ALASKA					
			H= 25 KM MAG 5.00 CGS					
5	MN-	eP	16 19 39.1	SZ	0.7	4.1	28.4	4.33
		eL	28 03	LZ	22	246.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	RK-	eP	16 20 14.4	SZ	0.6	34.8	32.5	5.43
		ePCP	22 59	SZ	0.5	3.8		
5	LC-	eP	16 21 10.0	SZ	1.0	12.7	38.8	4.60
		eLQ	32 32	LT	27	352.5		
		eL	33 30	LT	22	393.0		
		eL	33 30	LR	24	162.8		
		eL	33 30	LZ	20	55.1		
		eLR	33 47	LZ	25	185.8		
							AVG.	4.78
5	DH-	eP	17 59 13.5	SZ	0.5	11.0	2.1	
		eS	59 4.1	ST	0.4	33.3		
			39. S 175.2 E NORTH ISLAND, NEW ZEALAND					
5	18 03 30.*		H=178 KM					
5	LC-	eP	20 34 46.5	SZ	0.2	12.1	1.4	
		eS	35 06	ST	0.3	11.8		
5	MN-	eP	20 51 11.1	SZ	0.2	4.0	1.0	
		eS	51 25	SR	0.3	7.3		
5	MN-	eP	21 14 33.6	SZ	0.4	14.1	.9	
		eS	14 46	SR	0.5	9999.9		
5	MN-	eP	21 29 55.7	SZ	0.3	5.3	2.5	
		eS	30 27	ST	0.4	5.1		
			61.8 N 156.7 W PRINCE WILLIAM SOUND, ALASKA					
5	22 41 07.1		H= 33 KM MAG 4.70 CGS					
			8.4 S 121.7 E FLORES SEA					
6	00 02 06.8		H= 33 KM MAG 5.30 CGS					
			59.6 N 146.8 W PRINCE WILLIAM SOUND, ALASKA					
6	00 59 53.*		H= 33 KM MAG 4.10 CGS					
6	JE-	eL	01 25 37	LT	20	392.9	45.5	
			13.4 N 91.4 W OFF COAST OF GUATEMALA					
6	01 26 32.*		H= 69 KM MAG 4.00 CGS					
6	RK-	eP	01 51 00.4	SZ	0.9	7.8		
6	MN-	eP	01 51 08.1	SZ	0.9	5.6		
			60.7 S 25.2 W SANDWICH ISLANDS					
6	04 27 02.4		H= 33 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	RK-	ePi	04 45 57.8	SZ	0.8	4.5	124.0	
6	MN-	ePi	04 46 00.0	SZ	0.8	.9	124.0	
6	04 44 13.*		57.5 N 149.3 W ALASKA AFTERSHOCK H= 33 KM MAG 4.20 CGS					
6	DH-	eL	05 21 42	LR	27.0	659.7		
6	HW-	eL	05 26 07	LZ	23	275.1		
6	RK-	eL	05 26 35	LT	35	679.6		
6	LC-	eL	05 28 32	LZ	23	352.6		
6	JE-	eL	05 53 42	LT	18	512.2		
6	LC-	eP	06 25 27.5	SZ	1.1	3.1		
6	MN-	eL	06 33 31	LZ	24	295.1		
6	08 10 47.5		11.1 S 162.2 E SOLOMON ISLANDS H= 40 KM MAG 5.10 CGS					
6	HW-	eP	08 19 52	LZ	17.0	943.2	51.7	
		ePP	21 51	LZ	13	1012.2		
		eS	27 23	LR	20	3407.5		
		eLQ	32 18	LR	19	2520.1		
		eLR	34 05	LZ	27	4992.7		
		eL	35 04	LR	29	7206.9		
		eL	35 04	LT	13	3991.4		
		eL	35 04	LZ	27	4992.7		
6	MN-	eP	08 23 39.5	SZ	0.9	8.7	88.9	4.95
		eP	23 42	LZ	17	329.7		
		ePP	27 03	LZ	15	270.8		
		ePP	27 14	SZ	2.0	35.6		
		eSKS	34 15	LT	22	423.7		
		eSS	40 35	LT	20	1610.4		
		e	44 10	LT	21	759.3		
		eLQ	47 46	LT	23	847.5		
		eLR	51 00	LZ	32	3444.4		
6	LC-	eP	08 24 18.0	SZ	0.8	1.5	96.9	4.63
		eP	24 20	LZ	16	224.3		
		ePP	28 13	LZ	23	213.7		
		eSKS	35 00	LT	25	345.4		
		ePS	37 10	LT	21	1121.7		
		eSS	42 15	LT	26	1271.6		
		e	46 16	LT	21	926.6		
		eL	55 00	LZ	27	2680.4		
		eL	59 05	LR	21	1843.6		
		eL	59 05	LT	21	2555.7		
		eL	59 05	LZ	21	1479.9		
6	RK-	eSKS	08 35 45	LT	18	266.5	107.4	
		ePS	38 48	LT	20	490.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePPS	39 58	LT	21.0	408.5		
		e	45 35	LT	24	646.2		
		e	49 01	LT	22	522.9		
		eL	09 01 10	LT	30	1876.1		
6	DH-	eSKS	08 36 40	LR	15	345.1	121.6	
		eSKKS	38 12	LR	20	180.7		
		ePS	41 11	LR	22	671.1		
		eSS	48 00	LR	18	1963.2		
		eL	09 09 21	LZ	29	1354.7		
		eL	12 40	LR	26	2319.5		
		eL	12 40	LT	22	663.2		
		eL	12 40	LZ	24	2732.5		
6	JE-	eSS	08 45 15	LT	23	685.3	109.1	
		eL	58 00	LT	25	934.6		
						AVG.		4.79
6	09 38 12.*		59.7 N 142.8 W ALASKA AFTERSHOCK H= 33 KM MAG 4.60 CGS					
6	MN-	eP	09 43 47.6	SZ	1.0	7.3	26.4	4.26
6	LC-	eL	10 24 55	LZ	24.0	279.7		
6	MN-	eL	10 26 25	LT	30	608.0		
6	15 26 35.5		56.7 N 152.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 5.40 CGS					
6	MN-	eP	15 32 35.8	SZ	0.7	11.3	28.9	4.78
		eP	32 40	LZ	18	1068.2		
		eS	37 35	LT	19	1070.4		
		eLQ	39 07	LT	23	2792.9		
		eSCP	39 25	SZ	1.6	28.0		
		eLR	40 33	LZ	26	3774.7		
		eL	41 48	SR	14.5	5878.1		
6	RK-	eP	15 33 22.9	SZ	0.8	19.5	34.1	5.07
		ePCS	39 48	ST	3.1	267.3		
		ePCS	39 50	LR	17	2700.8		
		eSS	40 38	LR	18	1404.5		
		eL	42 10	LR	29	4270.4		
		eL	43 43	ST	2.0	87.2		
		eL	46 32	SZ	12.2	8135.5		
6	HW-	eP	15 33 50	LZ	15	639.1	36.8	
		eS	39 31	LR	14	1807.5		
		eL	48 08	LZ	26	3000.5		
6	LC-	eP	15 34 07.6	SZ	1.6	78.9	39.5	5.13
		eP	34 08	LZ	18	659.0		
		ePP	35 44	LZ	17	910.5		
		eS	40 10	LR	17	2530.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	40 42	SZ	2.5	78.5		
		eLQ	43 16	LT	19	9999.9		
		eLR	46 20	LZ	26	2011.9		
		eL	49 17	SR	17.0	9237.3		
6	DH-	eP	15 35 31.9	SZ	0.7	14.3	49.5	5.05
		eP	35 32	LZ	13	313.1		
		eS	42 37	LR	23	1721.7		
		eS	42 37	LT	17	1245.7		
		eSCS	45 21	LR	19	1029.1		
		eSS	46 30	LR	18	2126.8		
		eLQ	50 10	LR	22	1750.8		
		eLR	55 05	LZ	17	4202.1		
6	JE-	eS	15 42 16	LR	17	6102.2	47.8	
		e	46 06	LR	15	4072.1		
		eL	52 20	LR	15	5638.3		
		EL	55 17	LR	22	31.9U		
							AVG.	5.00
6			16 54 01.*	35. N 118.9 W KERN COUNTY, CALIFORNIA				
				H= 14 KM MAG 4.60 CGS				
6	MN-	eP	16 54 58.5	SZ	0.4	3.9	3.5	3.79
		e	55 00	SZ	0.4	9999.9		
		eS	55 38	SR	999.9	9999.9		
6			17 10 53.7	38. N 142.4 E OFF E. COAST HONSHU, JAPAN				
				H= 33 KM MAG 4.70 CGS				
6	MN-	eP	17 22 25.6	SZ	0.8	1.4	73.9	4.00
6	LC-	eP	17 23 26.0	SZ	1.0	6.3	85.0	4.70
							AVG.	4.35
6	LC-	e	17 21 56	SZ	0.7	1.2		
6	MN-	eP	20 44 37.0	SZ	0.9	3.7		
6			20 45 14.	45.5 N 151.6 E KURILE ISLANDS				
				H= 40 KM MAG 4.90 CGS				
6	MN-	eP	20 55 46.1	SZ	0.9	4.3	64.0	4.57
6	RK-	eP	20 56 14.0	SZ	0.9	11.7	68.7	4.95
6	LC-	e	21 12 13	LR	17	182.3	75.1	
		eL	20 00	LZ	18	347.5		
		eL	29 00	LT	17	845.3		
		eL	29 00	LR	17	136.7		
		eL	29 00	LZ	17	538.6		
6	DH-	eL	21 31 50	LZ	23	204.2	83.3	
							AVG.	4.76

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	HW-	eL	20 58 18	LZ	22.0	471.6		
7			00 15 48.9	60.1 N 147.4 W ALASKA AFTERSHOCK				
				H= 33 KM MAG 4.20 CGS				
7			00 34 57.2	18.2 S 176.6 W FIJI ISLANDS REGION				
				H=300 KM MAG 5.40 CGS				
7			03 19 18.*	18.7 S 69.7 W NORTHERN CHILE				
				H=120 KM MAG 3.60 CGS				
7			03 49 53.8	4.6 S 153.5 E NEW IRELAND REGION				
				H= 53 KM MAG 4.60 CGS				
7			04 02 28.7	51.6 N 177.3 W ANDREANOF ALEUTIAN ISLANDS				
				H= 25 KM MAG 5.00 CGS				
7			05 45 29.5	4. S 34.9 E TANGANYIKA				
				H= 33 KM MAG 6.40 CGS				
7	DH-	ePD	06 00 02	LZ	23.0	364.0	107.3	
		ePP	04 20	LZ	28	1561.7		
		ePP	04 25	SZ	1.1	24.2		
		eSKS	10 35	LR	34 5	1943.6		
		ePS	14 00	LR	27	3699.9		
		e	20 00	LR	34	6422.6		
		e	24 25	LR	29	4381.0		
		e	40 30	LT	19	9999.9		
		eLR	43 40	LZ	24	9999.9		
7	LC-	ePD	06 02 10	LZ	23	114.5	134.2	
		eP	04 33	LZ	20	236.4		
		eP	04 48.1	SZ	1.0	10.1		
		ePP	07 12	SZ	2.5	110.0		
		e	07 30	LT	999 9	9999.9		
		ePKS	08 22	ST	2.5	154.8		
		eLR	48 00	LZ	999 9	9999.9		
7	MN-	ePD	06 02 25	LZ	22	77.3	137.8	
		eP	04 46.5	SZ	0.6	.3		
		eP	04 47	LZ	22	386.7		
		e	04 56	SZ	2.4	61.1		
		ePP	07 45	LZ	23	2127.2		
		eSKP	08 29	SZ	2.5	39.4		
		e	09 00	LZ	23	9999.9		
		e	20 20	LZ	23	1933.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKKS	21 25	LT	24.0	9999.9		
		eSS	25 50	LR	32	2908.6		
		e	26 55	LT	42	6703.8		
		e	31 55	LT	34	9999.9		
		eLQ	50 35	LT	999 9	9999.9		
		eLR	56 00	LZ	999 9	9999.9		
7	JE-	eP*	06 04 27.0	SZ	1.2	30.7	123.1	
		e	05 53	SZ	2.0	124.7		
		ePP	06 20	LZ	20	3206.7		
		e	18 43	LR	18	3415.3		
		e	23 25	LT	30	5689.5		
		e	31 30	LZ	35	11.2U		
		eLQ	38 30	LT	40	20.7U		
		eLR	47 00	LZ	28	9999.9U		
7	RK-	e	06 05 07	SZ	2.0	63.7	116.6	
		ePP	05 25	LZ	9	5604.5		
		e	05 43	LZ	15	3787.0		
		eS	15 20	LR	25	9999.9		
		eSS	21 45	LT	30	2547.2		
		eL	41 45	LZ	25	4090.2		
7	HW-	eP*1	06 05 38	LZ	15	660.4	161.0	
		ePP	09 53	LZ	24	1840.0		
		ePPP	13 42	LZ	25	1287.8		
		ePPS	23 30	LT	24	3407.4		
		eSS	30 25	LR	25	3124.9		
		eSSS	36 21	LR	35	7393.3		
		eL	07 02 20	LZ	45	6693.6		
7	RK-	eL	07 46 35	LZ	23.0	3248.8		

7 07 58 14.3 40.4 N 139.0 E OFF COAST No HONSHU, JAPAN
H= 33 KM MAG 7.00 CGS

7	HW-	eP	08 08 12.0	SZ	1.0	165.2	58.7	6.02
		eP	08 12	LZ	18	5828.7		
		eS	16 15	LT	999 9	9999.9		
7	MN-	eP	08 09 52.5	SZ	0.6	9.6	74.6	4.94
		eP	09 53	LZ	999 9	9999.9		
7	RK-	tP	08 10 10.7C	SZ	0.7	50.7	78.1	5.65
		tP	10 11 C	LZ	16	16.5U		
		ePP	13 20	LZ	7	74.2U		
		eS	20 05	SR	3.5	579.3		
		eS	20 09	LT	18	3969.7		
		e	21 00	SZ	2.5	315.1		
		eLR	36 25	LZ	38	9999.9		
7	LC-	eP	08 10 51.4	SZ	0.7	38.6	85.6	5.60
		eP	10 52	LZ	999 9	9999.9		
		ePP	14 13	SZ	2.2	311.3		
		eSKS	21 00	LR	999 9	9999.9		
		eSKS	21 24	ST	4.0	568.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	26 50	LZ	999.9	9999.9		
7	DH-	eP	08 11 22.5	SZ	0.6	53.3	92.2	6.06
		eP	11 23	LZ	18	3831.4		
		e	14 26	SZ	1.6	67.6		
		ePP	15 07	LZ	17	3360.8		
		eSKS	21 30	LT	22	2064.9		
		ePS	23 35	LT	17	6277.4		
		eL	37 20	LR	45	9999.9		
7	JE-	eP	08 11 31.9	SZ	1.9	609.8	94.1	6.65
		eP	11 32	LZ	15	8465.4		
		e	13 47	SR	1.6	206.8		
		ePP	15 11	SZ	2.5	493.1		
		ePP	15 25	LZ	15	7294.6		
		eSKS	22 20	LR	18	8743.1		
		ePKKP	28 32	SZ	1.0	19.9		
		e	29 25	LZ	32	11.7U		
		e	33 45	LZ	999 9	9999.9U		
		eL	44 00	LZ	999 9	9999.9U		
						AVG.		5.82

7 08 07 04.3 40.2 N 139.4 E OFF COAST No HONSHU, JAPAN
H= 15 KM MAG 5.20 CGS

7	MN-	eP	08 18 44.0	SZ	1.0	2.3	74.4	4.15
7	MN-	e	08 19 30	LZ	999.9	9999.9		

7 08 26 10.7 40.4 N 139.3 E OFF COAST No HONSHU, JAPAN
H= 33 KM MAG 5.00 CGS

7	MN-	eP	08 37 50.8	SZ	1.1	3.9	74.4	4.29
7	RK-	e	08 38 08	SZ	0.7	5.0	78.0	
7	LC-	eP	08 38 47.5	SZ	1.5	18.7	85.4	4.97
						AVG.		4.63

7 08 51 01.* 40.5 N 138.4 E SEA OF JAPAN
H= 33 KM MAG 4.30 CGS

7	RK-	e	08 57 12	SZ	3.0	267.1		
7	LC-	eP	09 20 55.1	SZ	1.5	24.6		

7 09 27 27.* 40.3 N 137.6 E SEA OF JAPAN
H= 33 KM MAG 4.60 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	MN-	eP	09 39 06.5	SZ	1.4	3.7	75.5	4.20
7	09 47 30.*		40.5 N 138.2 E OFF COAST N. HONSHU, JAPAN H= 25 KM MAG 4.30 CGS					
7	MN-	eP	09 59 10.5	SZ	0.7	1.3	75.0	3.50
7	11 11 04.9		30.6 N 137.7 E OFF S. COAST HONSHU, JAPAN H=469 KM MAG 5.10 CGS					
7	MN-	eP	11 22 34.0	SZ	0.9	6.1	81.5	4.20
		eS	32 06	ST	1.2	2.5		
7	RK-	eP	11 23 01.0	SZ	0.6	78.9	87.1	5.65
		epP	24 47	SZ	1.0	17.8		
7	LC-	eP	11 23 27.2	SZ	0.8	22.5	92.7	5.24
		epP	25 16	SZ	1.3	14.6		
							AVG.	5.03
7	12 08 03.6		40.5 N 138.9 E OFF COAST N. HONSHU, JAPAN H= 33 KM MAG 4.90 CGS					
7	12 56 03.*		23.9 N 108.8 W GULF OF CALIFORNIA H= 33 KM MAG 4.40 CGS					
7	LC-	eP	12 58 06.0	SZ	0.5	1.9	8.7	4.53
		eL	13 00 11	SR	0.6	4.0		
		eLQ	00 21	LR	999 9	9999.9		
		eLR	01 25	LZ	13	9999.9		
7	MN-	eP	12 59 55.0	SZ	1.4	7.5	16.5	3.67
7	JE-	eLQ	13 05 00	LT	18	3783.1	16.8	
		eLR	06 45	LZ	17	1315.7		
7	DH-	eLQ	13 13 15	LT	17	660.7	33.5	
		eLR	14 15	LZ	23	196.0		
							AVG.	4.10
7	13 19 49.*		54.8 N 161.5 W ALASKA PENINSULA H= 33 KM MAG 4.20 CGS					
7	MN-	eP	13 24 27.0	SZ	0.2	6.0	.6	
		eS	24 35	SR	0.2	12.3		
7	LC-	eP	16 58 26.7	SZ	0.3	2.2	3.0	
		e	58 31	SZ	0.3	4.5		

DAY	STA	PHASE	TIME	INST	PER	AMP	DIST	MAG
		eS	59 05	ST	0.4	9.5		
7	17 41 39.8		36. N 70.7 E HINDU KUSH H=108 KM MAG 4.70 CGS					
7	DH-	eP	18 25 35.0	SZ	1.0	29.4		
7	19 12 38.*		60.4 N 144.8 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.50 CGS					
7	RK-	eL	19 31 00	LZ	13.0	2816.2	29.7	
7	JE-	eL	19 36 08	LZ	28	1222.8	44.7	
7	20 12 49.3		40.5 N 139.0 E OFF WEST COAST HONSHU, JAPAN H= 33 KM MAG 5.90 CGS					
7	HW-	eP	20 22 57.0	SZ	0.9	95.3	58.7	5.83
		eS	31 05	LT	25	13.8U		
		eLQ	38 10	LR	27	14.4U		
		eLR	39 20	LT	999 9	9999.9U		
7	MN-	eP	20 24 27.0	SZ	1.0	16.7	74.5	4.96
		eP	24 27	LZ	13	257.5		
		e	29 32	LZ	27	957.7		
		eS	34 15	LR	23	3210.1		
		eS	34 15	LT	24	892.1		
		eSS	38 50	LR	999 9	9999.9		
		e	42 40	LR	27	9999.9		
		eLQ	44 30	LT	45	9999.9		
		eLR	48 00	LZ	999 9	9999.9		
7	RK-	eP	20 24 44.7	SZ	1.0	45.9	78.1	5.46
		iP	24 45 C	LZ	10	17.0U		
		eSP	35 48	LZ	11	728.3		
		e	44 12	LZ	15	2586.2		
		eL	51 20	LZ	40	8610.1		
7	LC-	eP	20 25 26.1	SZ	1.2	99.8	85.5	5.79
		iP	25 28 C	LZ	14	2063.0		
		e	26 18	SZ	1.0	35.6		
		ePP	28 40	LZ	18	910.7		
		ePP	28 45	SZ	2.2	171.7		
		e	36 20	LR	999 9	9999.9		
		eSS	41 20	LR	999 9	9999.9		
		eSSS	45 30	LR	999 9	9999.9		
		eLQ	48 20	LT	999 9	9999.9		
		eLR	53 00	LZ	999 9	9999.9		
7	DH-	eP	20 25 56.7	SZ	1.0	68.6	92.1	5.94
		eP	25 58	LZ	13	1382.6		
		ePP	29 40	LZ	18	785.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKS	36 41	LT	17.0	660.7		
		ePS	38 27	LT	18	895.3		
		eL	53 00	LR	55	7859.7		
		eL	21 01 50	LR	26	8838.4		
		eL	01 50	LT	25	1464.5		
		eL	01 50	LZ	30	3944.7		
		eL	01 50	LZ	12	5652.4	94.0	
7	JE-	eP	20 26 06	LZ	30	5029.5		
		eL	59 05	LZ	23	9371.7		
		eL	21 02 27	LT	25	3240.2		
		eL	02 27	LR	27	3803.7		
		eL	02 27					
							AVG.	5.59

7 23 12 21.3 32.9 S 178.3 W KERMADEC ISLANDS
H= 33 KM MAG 4.40 CGS

8	MN-	eL	01 40 22	LZ	50.0	7131.9	

8 03 35 59.9 32.7 S 178.3 W KERMADEC ISLANDS
H= 40 KM MAG 4.50 CGS

8	LC-	eL	04 22 21	LZ	22.0	41.8	93.6

8 03 57 50.1 33.1 S 178.3 W KERMADEC ISLANDS
H= 47 KM MAG 4.30 CGS

8 04 10 31.9 32.8 S 178.4 W KERMADEC ISLANDS
H= 33 KM MAG 4.00 CGS

8	HW-	eL	04 10 38	LZ	15.0	353.1
8	MN-	eL	04 20 00	LZ	22	119.8
8	DH-	eL	04 37 45	LT	22	129.9

8 05 26 47.* 14.3 N 145.1 E MARIANA ISLANDS
H= 33 KM MAG 4.80 CGS

8	MN-	eP	05 39 29.0	SZ	0.8	5.9	86.4	4.74

8 05 56 14.* 59.2 N 153.9 W PRINCE WILLIAM SOUND, ALASKA
H= 25 KM MAG 4.40 CGS

DAY	STA	PHASE	TIME	INST	PER	AMP		
8	MN-	eP	06 02 30.6	SZ	1.0	2.5	30.8	4.03
		eL	09 40	LT	31	477.7		
8	LC-	eP	06 03 58.5	SZ	1.1	3.1	41.2	3.99
		eL	13 30	LZ	25	748		
8	RK-	eL	06 12 35	LR	26	933.7	34.4	
							AVG.	4.01

8 06 05 47.* 56.7 N 154.2 W PRINCE WILLIAM SOUND, ALASKA
H= 33 KM MAG 3.90 CGS

8	DH-	eL	06 21 50	LZ	20	440.5	50.6
8	JE-	eL	06 22 05	LT	18	1178.6	49.0

8 06 22 14.* 9.7 N 125.0 E MINDANAO, PHILIPPINE ISLANDS
H=379 KM

8	MN-	eL	07 52 50	LZ	28.0	178.1	
8	LC-	eL	07 56 20	LZ	25	128.3	

8 09 23 33.1 59.4 N 145.4 W PRINCE WILLIAM SOUND, ALASKA
H= 20 KM MAG 4.50 CGS

8	MN-	eP	09 29 22.2	SZ	1.0	3.3	27.2	4.00
		eL	35 53	LT	27	254.8		
8	RK-	eL	09 39 15	LR	20	537.5	30.1	
8	LC-	eL	09 43 09	LZ	28	139.9	37.3	
8	DH-	eL	09 47 20	LT	16	255.7	45.4	
8	JE-	eL	09 48 00	LT	15	847.6	44.7	

8 10 04 16.* 43.4 N 126.6 W OFF COAST OF OREGON
H= 33 KM MAG 4.30 CGS

8	MN-	eP	10 06 14.2	SZ	1.0	2.5	8.1	4.22

8 10 27 54.3 24. N 108.6 W GULF OF CALIFORNIA
H= 33 KM MAG 4.60 CGS

8	LC-	eP	10 29 57.1	SZ	0.7	2.5	8.6	4.48
		eL	31 47	LR	16	3131.1		
8	MN-	eP	10 31 45.5	SZ	1.9	143.5	16.5	4.81
8	JE-	eLQ	10 36 20	LZ	32	422.2	16.6	
		eLR	38 30	LZ	14	3476.0		
8	RK-	eL	10 45 24	LR	17	200.8	29.2	
8	DH-	eL	10 45 33	LZ	31	272.0	33.3	
8	HW-	eL	10 47 48	LZ	25	244.3	43.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.64
8			10 52 17.*	3 N 93.2 W GALAPAGOS ISLANDS H= 33 KM MAG 4.20 CGS				
8	LC-	eP	10 59 01.0	SZ	1.0	3.8	34.3	4.26
8			12 25 54.*	41.4 N 142.4 E NEAR N.E. CST. HONSHU, JAPAN H= 33 KM MAG 4.30 CGS				
8	DH-	eP	15 29 11.5	SZ	0.5	10.7	1.7	
		eS	29 34	SR	0.5	34.2		
8	MN-	eL	15 35 03	LT	25	222.0		
8			16 21 49.8	56.7 N 154.0 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.30 CGS				
8	MN-	eP	16 27 57.4	SZ	0.8	20.2	29.8	4.97
		eP	27 58	LZ	25	776.3		
		eS	32 40	LR	22	3222.6		
		e	34 36	SZ	3.4	249.0		
		eL	36 45	LZ	999 9	9999.9		
		eL	37 12	SZ	20.0	16.5U		
8	HW-	eP	16 29 00	LZ	25	586.4	36.7	
		e	34 40	LZ	22	2293.3		
		eLQ	37 10	LR	17	2034.0		
		eLR	38 22	LZ	22	7739.9		
8	LC-	eP	16 29 29.0	SZ	1.0	52.6	40.5	5.21
		eP	29 30	LZ	24	505.4		
		e	31 15	LZ	25	492.0		
		eS	35 40	LR	15	9999.9		
		e	38 25	LZ	16	9999.9		
		eL	42 05	LZ	999 9	9999.9		
8	DH-	eP	16 30 48.2	SZ	0.7	9.4	50.5	4.84
		eS	38 03	LT	23	1884.3		
		eLQ	42 00	LR	28	2611.5		
		eLR	46 12	LR	28	2470.3		
8	RK-	eS	16 34 05	LR	22	2715.6	35.1	
		eL	38 25	LR	30	6188.1		
							AVG.	5.00
							3.1	
8	LC-	eP	17 54 01.4	SZ	0.4	48		
		eS	54 40	ST	0.4	6.8		
8	MN-	eP	18 40 05.5	SZ	0.8	3.9		
8			20 36 54.1	24.2 S 69.3 W NORTHERN CHILE H= 78 KM MAG 4.90 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	LC-	eP	20 47 38.2	SZ	0.8	12.1	66.6	4.95
8			20 37 38.*	54.2 N 165.0 W FOX ALEUTIAN ISLANDS H= 33 KM MAG 4.10 CGS				
8			21 34 40.6	60.8 N 143.6 W PRINCE WILLIAM SOUND, ALASKA H= 35 KM MAG 5.40 CGS				
8	MN-	eP	21 40 25.7	SZ	1.0	41.6	27.5	5.10
		eP	40 27	LZ	18	291.1		
		eS	45 20	LR	22	2043.6		
		eL	47 25	LT	30	4503.7		
		eL	50 38	SR	3.0	92.6		
8	LC-	eP	21 41 51.0	SZ	1.2	35.5	37.2	5.04
		eP	41 53	LZ	17	138.0		
		e	43 24	LZ	15	247.3		
		eS	47 46	LR	28	1252.4		
		eSCP	47 57	SZ	1.0	2.5		
		eLQ	50 55	LR	20	496.8		
		eL	53 20	LT	999 9	9999.9		
8	JE-	eP	21 42 38.5	SZ	1.1	139.4	44.3	5.64
		e	53 15	LZ	20	1460.3		
		eL	56 36	LT	28	32.8U		
8	RK-	eS	21 45 00	LR	22	409.2	29.1	
		eL	48 25	LR	40	9999.9		
8	HW-	e	21 48 58	LZ	20	591.7	41.7	
		eLQ	52 10	LT	18	3222.8		
		eLR	53 50	LZ	23	2484.4		
8	DH-	eL	21 55 50	LT	25	4652.7	44.3	
							AVG.	5.26
8	LC-	eP	21 37 06.9	SZ	0.3	13.7	1.5	
		eS	37 27	ST	0.3	11.4		
8			21 45 47.*	1.7 N 126.5 E MOLUCCA PASSAGE H= 33 KM				
8	DH-	eP	21 51 35.0	SZ	1.3	109.8		
8			21 54 42.*	61.1 N 143.0 W ALASKA AFTERSHOCK H= 33 KM MAG 4.10 CGS				
8	DH-	e	21 57 26	SZ	2.0	178.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8			21 59 21.9	71.1 N 6.2 W JAN MAYEN ISLAND REGION H= 25 KM MAG 4.90 CGS				
8	LC-	eP	22 09 55.0	SZ	1.0	6.4	63.0	4.66
8			22 38 04.*	59.8 N 146.0 W ALASKA AFTERSHOCK H= 33 KM MAG 3.70 CGS				
8	MN-	eP	22 43 54.5	SZ	0.5	5.9	3.0	
		eS	44 32	SR	0.5	10.0		
8			23 40 44.1	52.2 N 169.5 W ANDREANOF ALEUTIAN ISLANDS H= 20 KM MAG 5.20 CGS				
8	HW-	eP	23 47 32	LZ	20	690.4	33.9	
		e	52 40	LZ	20	2564.4		
		eL	56 02	LZ	28	5861.0		
8	MN-	eP	23 48 02.0	SZ	1.0	7.5	37.8	4.42
		eP	48 10	LZ	27	473.0		
		eS	54 00	LR	23	2633.1		
		eSS	56 35	LT	24	4489.5		
9	MN-	eL	00 01 45	LZ	999 9	9999.9	37.8	
8	RK-	eP	23 49 08	LZ	11	2081.2	45.2	
		ePP	50 55	LZ	10	2938.0		
		eS	55 40	LR	20	2380.6		
		eSS	59 00	LR	22	3571.2		
9	RK-	eL	00 02 55	LR	999 9	9999.9	45.2	
8	LC-	eP	23 49 29.5	SZ	0.7	3.8	48.9	4.52
		eP	49 32	LZ	19	346.4		
		eS	56 42	LR	22	9999.9		
9	LC-	eL	00 00 21	LR	22	2607.1	48.9	
8	JE-	eP	23 50 37.8	SZ	0.7	15.3	58.2	5.14
9	DH-	eL	00 12 27	LR	26	5453.2	60.6	
							AVG.	4.69
8	DH-	eP	23 50 03.5	SZ	1.0	57.1		
8			23 53 21.1	40.4 N 142.2 E OFF COAST N. HONSHU, JAPAN H= 47 KM MAG 4.50 CGS				
9			00 15 26.*	52. N 169.8 W FOX ALEUTIAN ISLANDS H= 33 KM				
9	RK-	eP	00 23 42.3	SZ	0.5	4	45.4	
9			00 22 49.	40.4 N 138.8 E SEA OF JAPAN H= 33 KM MAG 4.60 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMP		
9	MN-	eP	00 34 27.3	SZ	0.9	3.2	74.7	4.29
9	RK-	eP	00 34 45.3	SZ	0.9	4	78.2	
9	LC-	eP	00 35 26.4	SZ	1.1	4.7	85.7	4.49
							AVG.	4.39
9			01 16 10.*	59.7 N 146.8 W ALASKA AFTERSHOCK H= 33 KM MAG 3.80 CGS				
9			02 02 28.8	52.2 N 169.6 W ANDREANOF ALEUTIAN ISLANDS H= 25 KM MAG 5.10 CGS				
9	MN-	eP	02 09 47.5	SZ	1.2	10.2	37.9	4.48
		eS	15 37	LR	24	1401.9		
		eS	15 37	LT	23	541.4		
		eSCP	15 47	SZ	1.4	7.9		
		eSS	18 25	LT	24	1696.1		
		eL	20 42	LZ	24	1347.3		
		eL	25 35	LR	18	1941.0		
		eL	25 35	LT	17	1828.9		
		eL	25 35	LZ	18	2194.7		
9	RK-	eP	02 10 44.8	SZ	0.9	4	45.2	
		eS	17 25	LT	21	597.1		
		eSS	20 46	LT	19	1288.9		
		eL	26 03	LT	27	1536.8		
9	LC-	eP	02 11 14.9	SZ	0.9	17.7	49.0	5.07
		eP	11 15	LZ	14	181.1		
		e	11 36	SZ	0.8	16.7		
		eS	18 12	LR	25	1157.4		
		eSS	22 00	LR	23	1369.6		
		eLR	26 14	LZ	31	1004.7		
9	DH-	e	02 12 13	SZ	0.9	22.3	60.6	
		eP	12 39.0	SZ	1.0	58.0		5.62
		eS	20 56	LR	22	783.8		
		eLR	34 14	LR	25	2928.2		
		eL	35 42	LR	21	2997.0		
		eL	35 42	LT	21	2220.7		
		eL	35 42	LZ	23	721.9		
9	JE-	eP	02 12 23.2	SZ	0.9	15.5	58.3	5.04
		eS	20 32	LT	24	713.7		
		eLQ	27 26	LT	18	695.4		
		eL	35 50	LT	24	2587.2		
		eL	44 00	LT	19	3598.4		
		eL	44 00	LR	17	2558.4		
		eL	44 00	LZ	16	2290.3		
9	HW-	e	02 14 45	LZ	20	1091.4	33.9	
		eLR	18 02	LZ	28	2102.1		
		eL	21 55	LR	18	1561.2		
		eL	21 55	LZ	19	2702.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	21 55	LT	24.0	26523.3		
							AVG.	5.05
9	MN-	eP	07 06 04.5	SZ	999.9	9999.9	4.7	
9	MN-	eP	07 23 40.1	SZ	0.4	1.1		
		e	23 43	SZ	0.5	5.6		
		eS	24 37	ST	0.8	6.8		
9			07 39 35.9	44.5 N 150.4 E KURILE ISLANDS H= 33 KM MAG 4.20 CGS				
9	MN-	eP	07 50 16.5	SZ	0.8	.9	65.3	3.99
9			07 47 02.4	29.6 N 52.5 E SOUTHERN IRAN H= 34 KM				
9	MN-	eP	09 17 33.0	SZ	0.2	1.5	.9	
		eS	17 45.0	SR	0.3	14.1		
9	MN-	eP	10 10 32.7	SZ	0.2	12.6	.6	
		eS	10 41	ST	0.3	2.9		
9			12 05 24.1	44.5 N 150.1 E KURILE ISLANDS H= 33 KM MAG 3.90 CGS				
9			12 13 04.9	21.6 S 174.6 W WEST OF TONGA ISLANDS H= 33 KM MAG 4.50 CGS				
9	MN-	eP	12 25 11.0	SZ	1.0	7.5	79.8	4.56
9	LC-	eP	12 25 37.0	SZ	1.0	7.7	84.3	4.79
		eLR	55 12	LZ	17	98.2		
							AVG.	4.67
9			13 48 05.3	8.1 N 123.2 E MINDANAO, PHILIPPINE ISLANDS H= 60 KM MAG 5.70 CGS				
9			14 05 27.1	45.2 N 150.0 E KURILE ISLANDS H= 33 KM MAG 4.60 CGS				
9	MN-	eP	14 16 06.7	SZ	0.8	1.9	65.2	4.29
		eL	38 45	LZ	23	139.8		
9	RK-	eP	14 16 33.5	SZ	0.8	*	69.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9			14 18 39.*	45. N 111.1 W SOUTHWESTERN MONTANA H= 33 KM				
9	LC-	eL	14 50 13	LZ	24.0	72.1		
9			15 10 12.1	40.7 N 139.0 E SEA OF JAPAN H= 25 KM MAG 5.10 CGS				
9	MN-	eP	15 21 49.8	SZ	0.8	9.3	74.4	4.82
9	RK-	eP	15 22 07.8	SZ	0.6	*	77.9	
9	LC-	eP	15 22 49.0	SZ	1.0	11.5	85.4	4.96
							AVG.	4.89
9	RK-	eLR	16 58 17	LZ	32	1006.8		
9	MN-	eL	17 05 11	SZ	1.8	15.8		
9	MN-	eL	17 25 22	LZ	25	204.3		
9	MN-	eP	18 03 13.2	SZ	1.0	1.6		
9			18 16 17.5	13.7 S 166.6 E NEW HEBRIDES ISLANDS H= 41 KM MAG 5.00 CGS				
9	MN-	eP	18 29 01.4	SZ	0.8	.9	87.2	4.02
		eLR	56 30	LZ	26	1295.0		
		eL	57 47	LT	24	908.6		
		eL	57 47	LR	24	568.3		
		eL	57 47	LZ	24	1427.7		
9	HW-	eLR	18 39 15	LZ	23	1655.0	50.0	
9	LC-	e	18 42 25	LT	24	197.3	94.6	
		eSS	47 34	LT	22	258.3		
		eLR	19 00 00	LZ	26	428.3		
		eL	01 55	LT	25	446.5		
		eL	01 55	LR	24	279.8		
		eL	01 55	LZ	24	463.8		
9			18 53 26.*	59.9 N 147.9 W ALASKA AFTERSHOCK H= 33 KM MAG 3.90 CGS				
9	RK-	eLR	19 09 00	LZ	24	503.2	31.3	
9	DH-	eL	19 17 54	LZ	24	1453.8	46.5	
9			19 52 14.4	50.7 N 170.3 W ANDREANOF ALEUTIAN ISLANDS H= 33 KM MAG 4.50 CGS				
9	NP-	eP	19 58 42.6	SZ	0.5	6.5	32.3	4.76
9			20 06 38.*	5.8 S 81.3 W NEAR COAST OF NORTHERN PERU H=104 KM MAG 4.40 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	LC=	eP	20 14 45.0	SZ	1.0	6.4	45.0	4.30
9	MN=	eP	20 16 06.4	SZ	0.9	3.8	55.7	4.42
							AVG.	4.36
9	LC=	eP	20 41 54.6	SZ	0.3	10.5	1.5	
		eS	42 14	SR	0.3	7.3		
9	21 06 12.2		61.7 N 152.0 W PRINCE WILLIAM SOUND, ALASKA H= 25 KM MAG 5.00 CGS					
9	NP=	eP	21 10 25.0	SZ	1.1	13.8	18.3	4.05
9	MN=	eP	21 12 32.1	SZ	1.1	11.3	31.2	4.66
		ePCP	15 26	SZ	1.0	3.3		
		eL	20 05	LT	28	402.5	41.2	4.16
9	LC=	eP	21 13 58.0	SZ	1.1	4.7		
		eLQ	24 05	LT	19	95.2		
		eLR	28 00	LZ	24	103.0		
9	HW=	eLR	21 25 40	LZ	25	282.1	41.8	
9	RK=	eL	21 25 47	LZ	14	3647.2	33.0	
9	JE=	eL	21 32 18	LR	22	304.5	48.4	
							AVG.	4.29
9	21 07 41.6		9.2 S 156.7 E SOLOMON ISLANDS REGION H= 26 KM MAG 5.40 CGS					
9	MN=	eP	21 20 50.0	SZ	1.4	29.7	91.9	5.42
		e	21 06	SZ	2.0	57.2		
		e	45 20	LR	38	634.3		
		eL	50 03	LZ	34	509.2		
9	LC=	eLR	21 53 45	LZ	30	459.9	100.5	
		eL	57 56	LT	22	516.7		
		eL	57 56	LR	24	459.6		
		eL	57 56	LZ	23	614.2		
9	NP=	eL	21 54 20	LZ	34	984.0	97.4	
10	MN=	eP	01 03 46.6	SZ	0.3	1.1	3.2	
		eS	04 26	SR	0.5	2.2		
10	02 00 27.*		59.9 N 146.5 W ALASKA AFTERSHOCK H= 33 KM MAG 3.60 CGS					
10	05 39 42.6		29. N 141.5 E BONIN ISLANDS REGION H= 62 KM MAG 5.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMI		
10	NP=	eP	05 50 11.5	SZ	0.6	36.4	64.2	5.60
		eL	06 10 40	LT	34	685.3		
10	MN=	eP	05 51 46.5	SZ	0.7	15.3	79.9	4.98
		e	54 02	SZ	1.6	17.2		
		ePP	54 46	SZ	2.0	26.0		
		eS	06 01 50	LT	22	203.0		
		eSS	07 04	LT	28	113.2		
		e	11 02	LR	22	133.7		
		eL	15 08	LR	34	659.3		
10	RK=	eP	05 52 20.5	SZ	0.7	17.3	86.8	5.25
		eSKS	06 02 51	LR	25	276.9		
		e	11 59	LR	21	195.4		
		eLQ	15 26	LR	36	550.4		
		eLR	24 05	LZ	25	447.3		
10	LC=	eP	05 52 42.5	SZ	0.7	12.2	91.1	5.29
		eSKS	06 03 36	LT	22	193.3		
		eSS	09 47	LT	26	177.9		
		eSSS	13 14	LT	26	145.6		
		eLQ	17 20	LT	24	171.3		
		eL	23 40	LT	25	174.0		
10	HW=	eL	06 05 16	LZ	28	1656.3	57.3	
10	JE=	eL	06 29 30	LT	26	699.5	101.0	
							AVG.	5.28
10	06 27 45.6		4.6 S 153.2 E NEW IRELAND REGION H= 77 KM MAG 4.60 CGS					
10	MN=	eP	06 40 47.7	SZ	0.9	1.2	91.8	4.24
		e	43 15	SZ	1.1	4.1		
		eL	07 10 00	LZ	29	570.1		
10	NP=	eP	06 40 55.0	SZ	0.9	5.4	93.8	4.94
10	HW=	eL	06 55 00	LZ	24	467.3	55.8	
10	LC=	eL	07 14 22	LZ	30	337.3	101.1	
							AVG.	4.59
10	06 29 15.*		52.2 N 169.5 W ANDREANOF ALEUTIAN ISLANDS H= 35 KM MAG 4.30 CGS					
10	MN=	eP	06 36 31.6	SZ	0.8	19	37.8	3.66
10	RK=	eP	06 37 29.7	SZ	0.8	4.7	45.2	4.43
10	LC=	eP	06 37 58.7	SZ	0.8	3.0	48.9	4.35
							AVG.	4.14
10	NP=	eP	06 38 25.5	SZ	0.9	7.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10			07 50 44.*		1.6 N 126.3 E MOLUCCA PASSAGE H= 33 KM MAG 5.60 CGS			
10			08 12 34.5		47. N 142.1 E SAKHALIN ISLAND H= 18 KM MAG 4.40 CGS			
10	NP-	eP	08 21 06.0	SZ	1.4	11.2	46.9	4.74
10			08 34 31.7		7.7 N 75.3 W NORTHERN COLOMBIA H= 60 KM MAG 4.20 CGS			
10	LC-	eP	08 41 47.0	SZ	0.8	6.1	38.1	4.50
10	RK-	eP	08 42 46.8	SZ	0.7	4.0	45.6	4.40
							AVG.	4.45
10			09 44 59.*		10.5 N 62.4 W NEAR COAST OF VENEZUELA H= 45 KM MAG 4.20 CGS			
10	JE-	eP	09 51 47.2	SZ	0.7	19.8	34.6	5.13
10	LC-	eP	09 53 21.2	SZ	0.7	3.2	46.1	4.38
10	RK-	eP	09 53 32.9	SZ	0.6	8.9	47.7	4.94
							AVG.	4.81
10			10 45 52.3		40.5 N 139.0 E OFF COAST N. HONSHU, JAPAN H= 33 KM MAG 4.80 CGS			
10	NP-	eP	10 55 12.5	SZ	1.0	20.1	53.7	5.08
10	MN-	eP	10 57 30.0	SZ	0.8	3.9	74.5	4.43
10	RK-	eP	10 57 47.8	SZ	0.6	2.2	78.1	4.37
10	LC-	eP	10 58 29.0	SZ	0.9	7.9	85.5	4.81
							AVG.	4.67
10			11 39 13.*		52.3 N 169.5 W ANDREANOF ALEUTIAN ISLANDS H= 40 KM MAG 4.30 CGS			
10	LC-	eP	11 47 56.4	SZ	0.9	1.9	48.9	4.11
10			12 01 24.*		60.7 N 148.4 W ALASKA AFTERSHOCK H= 33 KM MAG 3.70 CGS			

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	MN-	eL	12 15 45	LZ	15.0	116.2	29.2	
10			13 44 03.*		51.4 N 129.2 W VANCOUVER ISLAND REGION H= 33 KM MAG 4.10 CGS			
10	MN-	eP	13 47 39.1	SZ	1.5	14.7	15.1	4.17
		e	48 04	SZ	1.2	6.4		
		eL	52 05	LZ	14	312.8		
10	LC-	eP	13 49 27.4	SZ	1.0	5.1	25.2	4.11
		eS	54 01	LR	15	128.3		
		eL	57 00	LZ	23	106.8		
10	RK-	eL	13 55 36	LR	18	824.0	22.2	
10	JE-	eL	14 05 10	LZ	18	292.7	33.5	
							AVG.	4.14
10	NP-	eP	14 30 37.5	SZ	1.3	9.7		
10			14 46 15.*		59.9 N 147.1 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.50 CGS			
10	MN-	eP	14 52 08.8	SZ	0.7	.8	28.2	3.64
		ePCP	55 21	SZ	0.7	1.2		
		eL	59 00	LZ	22	157.2		
10	RK-	eP	14 52 32.5	SZ	0.9	8.2	30.9	4.62
		eL	15 02 33	LR	17	417.7		
10	LC-	eP	14 53 40.0	SZ	1.1	7.9	38.3	4.36
		eL	15 07 50	LZ	20	66.1		
10	NP-	eL	14 57 29	LT	18	512.2	19.0	
10	JE-	eL	15 12 00	LR	15	708.6	45.7	
							AVG.	4.20
10			15 40 53.*		60.1 N 146.3 W PRINCE WILLIAM SOUND, ALASKA H= 15 KM MAG 4.30 CGS			
10	NP-	eP	15 45 15.0	SZ	0.6	4.5	18.7	3.87
10	MN-	eP	15 46 45.5	SZ	0.6	1.7	28.0	4.03
		eL	54 14	LT	20	398.2		
10	RK-	eP	15 47 07.9	SZ	0.7	2.6	30.5	4.21
		eL	57 07	LR	22	734.8		
10	LC-	eP	15 48 13.4	SZ	1.1	4.7	38.0	4.17
		eL	58 57	LT	28	241.5		
10	JE-	eL	16 06 23	LR	15	1653.5	45.4	
							AVG.	4.07
10	MN-	eP	18 46 06.7	SZ	0.2	3.1	1.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	46 21	SR	0.3	7.3		
10	LC-	eP	19 57 24.5	SZ	0.2	19.6	1.4	
		eS	57 43	SZ	0.3	999999		
11	NP-	eP	01 00 59.0	SZ	1.0	7.3		
11	DH-	eP	01 10 52.6	SZ	1.0	34.0		
11	DH-	e	01 20 09	SZ	0.5	7.7		
11	NP-	eP	01 49 39.0	SZ	0.7	2.4		

11 02 17 01.5 60.8 N 142.2 W SOUTHEASTERN ALASKA
H= 33 KM MAG 4.70 CGS

11	NP-	eP	02 21 01.7	SZ	0.6	12.5	17.4	4.25
		e	24 15	SZ	0.9	16.4		
		eS	24 34	LR	10	1644.7		
		eL	25 58	SZ	1.8	41.0		
		eL	27 14	LZ	20	1950.4		
11	MN-	eP	02 22 42.7	SZ	1.0	7.5	27.0	4.31
		e	23 07	SZ	0.8	4.9		
		eLQ	27 40	LR	19	936.3		
		eLR	29 15	LT	25	1475.5		
11	RK-	eP	02 22 54.5	SZ	0.8	1.6	28.4	3.84
		e	28 10	LT	20	213.6		
		eL	30 00	LR	29	3727.3		
		eL	31 42	SR	1.1			
				SZ	1.1	3.1	36.7	4.04
11	LC-	eP	02 24 09.5	LR	17	104.8		
		e	25 40	LR	25	446.8		
		eS	30 00	LT	27	1212.9		
		eL	35 00	LR	19	1088.3	41.9	
11	HW-	eL	02 35 00	LR	21	4814.9	43.6	
11	DH-	eL	02 38 25	LR	17	14.3U	43.6	
11	JE-	eL	02 40 00					
							AVG.	4.11

11 02 52 55.6 21.2 S 179.0 W TONGA ISLANDS REGION
H=553 KM MAG 3.60 CGS

11 03 31 38.7 60.2 N 147.2 W ALASKA AFTERSHOCK
H= 33 KM MAG 3.90 CGS

11	NP-	eP	03 35 56.6	SZ	0.9	6.5	18.8	3.88
11	NP-	eP	04 42 38.8	SZ	1.0	3.6		

DAY	STA	PHASE	TIME	INST	PER	AMI		

11 05 29 16.6 24.6 S 179.9 E FIJI ISLANDS REGION
H=515 KM MAG 4.80 CGS

11	MN-	eP	05 41 00.3	SZ	0.8	5.4	85.4	4.24
11	LC-	eP	05 41 23.3	SZ	1.0	12.7	90.1	4.81
		e	43 16	SZ	1.4	12.1		
							AVG.	4.52

11 06 07 41.5 28.3 N 57.4 E SOUTHERN IRAN
H= 62 KM MAG 4.90 CGS

11	NP-	eP	06 19 21.5	SZ	1.4	41.0	75.7	5.17
		ePCP	19 35.0	SZ	1.4	160.5		
		e	21 29	SZ	1.1	8.6		
		ePP	22 26	SZ	0.9	11.5		
11	LC-	eP	06 54 50.5	SZ	0.3	.4		
11	LC-	eL	06 56 43	SR	0.4	1.2		
11	LC-	eL	06 56 55	LT	13	153.5		
11	LC-	eP	07 03 15.0	SZ	0.5	1.4		
11	LC-	eL	07 05 05	SR	0.5	1.3		
11	LC-	e	07 05 20	LZ	17	72.1		
11	LC-	eL	07 10 20	LR	23	135.9		

11 09 45 22.2 58.4 N 152.3 W ALASKA AFTERSHOCK
H= 15 KM MAG 4.30 CGS

11	NP-	eP	09 50 11.0	SZ	0.6	1.0	21.4	3.37
		e	50 14	SZ	0.8	12.4		

11 10 03 09.7 45.5 N 151.9 E KURILE ISLANDS
H= 33 KM MAG 4.70 CGS

11	NP-	eP	10 11 34.2	SZ	0.5	2.6	46.1	4.46
11	MN-	eP	10 13 40.5	SZ	0.8	1.4	63.9	4.16
11	LC-	eP	10 14 50.0	SZ	0.9	1.9	74.9	4.07
							AVG.	4.23
11	LC-	eP	11 43 19.5	SZ	0.7	1.2		
11	LC-	eL	11 44 32	SR	0.7	1.7		
11	LC-	eL	11 44 50	LT	16	82.1		
11	LC-	eP	13 07 38.1	SZ	0.9	3.9		
11	NP-	eP	13 30 29.0	SZ	0.8	12.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11			22.5 S 175.8 W TONGA ISLANDS REGION					
			H= 50 KM MAG 5.30 CGS					
11	14	39 04.*						
11	MN-	eP	14 51 16.9	SZ	1.2	25.6	81.2	5.04
11	LC-	iP	14 51 40.3D	SZ	1.3	44.0	85.7	5.34
		eP	51 41	LZ	17	96.2		
		ePCP	51 52	SZ	1.0	17.8		
		eS	15 02 08	LT	20	184.5		
		eS	02 08	LR	23	155.3		
		eSS	07 20	LT	17	139.4		
		eLQ	14 50	LR	25	158.8		
		eLR	18 23	LZ	27	388.6		
		eL	20 32	LT	21	451.9		
		eL	20 32	LR	25	109.2		
		eL	20 32	LZ	23	441.2		
11	HW-	eL	15 00 45	LZ	15	918.2	46.6	
							AVG.	5.19
11	14	57 16.6	4.3 N 127.9 E TALAUD ISLANDS					
			H= 60 KM MAG 5.70 CGS					
11	MN-	eP	16 36 28.5	SZ	0.8	2.4		
11	MN-	eL	16 38 00	ST	0.8	1.4		
11	16	53 39.1	6.4 N 124.0 E CELEBES SEA					
			H=567 KM MAG 5.20 CGS					
11	NP-	eP	17 05 40.7	SZ	0.8	4.1	89.9	4.41
11	LC-	eP	17 21 49.0	SZ	0.7	3.1		
11	18	22 47.*	56.6 N 154.0 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 4.20 CGS					
11	NP-	eP	18 27 58.6	SZ	0.8	15.2	23.4	4.53
11	MN-	eP	18 28 52.7	SZ	0.8	1.9	29.8	3.95
11	LC-	eP	18 30 24.5	SZ	1.0	3.8	40.5	4.08
		eL	44 00	LZ	16	131.5		
							AVG.	4.18
11	LC-	eP	19 40 35.5	SZ	0.2	12.7	1.5	
		eS	40 53	SR	0.3	5.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	20	10 36.*	60.3 N 146.1 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 4.00 CGS					
11	NP-	eP	20 14 50.4	SZ	0.5	1.7	18.5	3.53
11	LC-	eS	20 23 50	LR	20	70.1	38.0	
		eL	30 00	LR	20	80.1		
11	20	38 11.5	17.1 S 174.4 W TONGA ISLANDS					
			H=104 KM MAG 4.20 CGS					
11	MN-	eP	20 49 51.0	SZ	0.8	1.9	76.3	3.99
		e	50 25	SZ	1.1	8.2		
12	00	47 09.*	7.1 N 73.2 W NORTHERN COLOMBIA					
			H=128 KM MAG 4.00 CGS					
12	01	37 59.5	26.2 S 178.3 E FIJI ISLANDS REGION					
			H=607 KM MAG 4.60 CGS					
12	MN-	eP	01 49 45.1	SZ	1.0	10.0	87.6	
12	02	04 15.*	56.9 N 151.4 W ALASKA AFTERSHOCK					
			H= 25 KM MAG 4.00 CGS					
12	06	42 49.*	49.1 N 177.2 E RAT ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.90 CGS					
12	06	45 13.3	22.3 S 176.3 W TONGA ISLANDS					
			H= 33 KM MAG 4.50 CGS					
12	LC-	eP	06 57 53.0	SZ	1.0	2.5	86.0	4.24
12	06	45 14.1	40.2 N 76.5 W SOUTHEASTERN PENNSYLVANIA					
			H= 33 KM MAG 4.50 CGS					
12	DH-	eP	06 45 51.2	SZ	0.6	33.0	2.4	
		eS	46 21	SR	0.7	270.9		
12	07	08 44.6	11. S 126.0 E TIMOR SEA					
			H= 33 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12			08 27 04.* 7 S 77.2 W NORTHERN ECUADOR H= 33 KM MAG 4.00 CGS					
12	RK-	eP	09 05 58.2	SZ	0.5	2.0		
12	RK-	eL	09 08 26	ST	1.0	7.3		
12			10 02 27.1 19.9 S 173.9 W TONGA ISLANDS H= 33 KM MAG 5.10 CGS					
12	MN-	eP	10 14 24.9	SZ	1.4	37.6	78.1	5.22
		eL	40 50	LZ	19	201.0		
12	LC-	eP	10 14 51.0	SZ	1.0	11.4	82.7	4.93
		eL	43 06	LR	20	297.0		
		eL	46 35	LT	18	398.8		
		eL	46 35	LR	18	211.4		
		eL	46 35	LZ	18	286.3		
		eL	46 35	LZ	19	192.9	43.5	
12	HW-	eL	10 23 40	LZ	21	214.1	93.7	
12	JE-	eL	10 50 16	LR	21	121.6	99.2	
12	RK-	eL	10 52 55	LZ	19	110.8	109.6	
12	DH-	eL	10 59 00					
							AVG.	5.07
12	LC-	eP	11 14 27.0	SZ	0.5	.9		
12	MN-	eP	11 15 27.0	SZ	0.9	1.2		
12			11 15 35.1 29. N 141.5 E SOUTH OF HONSHU, JAPAN H= 26 KM MAG 4.70 CGS					
12	RK-	eL	12 00 00	LR	19.0	214.3	86.8	
12	LC-	eL	11 16 19	SR	0.8	2.8		
12	MN-	eL	11 17 21	ST	1.5	12.0		
12			11 47 32.2 60.1 N 147.0 W ALASKA AFTERSHOCK H= 15 KM MAG 4.70 CGS					
12	NP-	eP	11 51 55.0	SZ	1.4	22.9	18.8	4.21
12	MN-	eP	11 53 27.1	SZ	1.0	4.1	28.3	4.19
		eS	58 26	LR	19	160.8		
		eLQ	12 00 50	LT	22	782.1		
		eLR	01 41	LZ	20	1048.7		
12	RK-	eP	11 53 48.3	SZ	1.0	10.6	30.8	4.68

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	12 02 54	LR	23.0	2406.5		
12	LC-	eP	11 54 54.5	SZ	1.3	9.7	38.3	4.38
		e	55 28	LR	18	89.0		
		eS	12 01 04	LR	20	245.8		
		eLQ	03 52	LT	17	437.5		
		eLR	08 20	LZ	24	360.0		
12	DH-	eS	12 02 45	LR	17	259.9	46.1	
		eSS	05 55	LR	20	372.6		
		eL	09 39	LR	29	1298.8		
12	JE-	eS	12 02 47	LT	19	294.8	45.7	
		eSS	06 10	LT	19	589.6		
		eL	13 00	LT	18	4021.0		
12	HW-	eL	12 06 19	LZ	24	408.8	40.6	
							AVG.	4.36
12	MN-	eL	14 16 50	LZ	19	100.5		
12	JE-	eL	16 01 00	LZ	16	277.9		
12			16 55 46.9 59.5 N 144.8 W ALASKA AFTERSHOCK H= 33 KM MAG 4.90 CGS					
12	NP-	eP	17 00 06.9	SZ	0.9	14.2	19.0	4.23
		eP	00 10	LZ	13	836.8		
		eS	03 50	LT	15	461.8		
		eL	07 00	LR	13	1101.0		
12	MN-	eP	17 01 28.6	SZ	1.0	12.5	27.1	4.54
		eS	06 18	LR	13	484.6		
		eL	08 19	LT	20	724.5		
12	RK-	eP	17 01 52.8	SZ	0.8	4.7	29.8	4.33
		eL	11 20	SR	3.0	183.6		
		eL	11 20	LT	18	790.0		
12	LC-	eP	17 02 56.9	SZ	1.0	7.6	37.1	4.45
		eS	08 51	LT	14	377.5		
		eLQ	11 47	LT	16	536.7		
		eLR	13 55	LT	24	385.0		
12	HW-	eL	17 12 25	LR	15	752.7	40.2	
12	JE-	eL	17 19 18	LT	17	1434.4	44.5	
		eL	22 20	LZ	13	3789.9		
							AVG.	4.38
12			18 16 41.9 56.6 N 152.4 W ALASKA AFTERSHOCK H= 10 KM MAG 5.30 CGS					
12	NP-	eP	18 21 49.1	SZ	1.0	46.0	23.1	4.94
		eP	21 53	LZ	23	3996.1		
		eLQ	26 15	LT	19	9999.9		
		eL	26 16	SZ	6.6	12.8U		
		eLR	28 25	LT	33	11.3U		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	MN-	eP	18 22 42.2	SZ	0.6	1.7	29.0	4.04
		eP	22 45	LZ	20	3301.6		
		e	24 38	SZ	1.9	138.8		
		eS	27 31	LR	23	2747.1		
		eS	27 40	SR	3.0	162.4		
		e	28 21	SZ	0.9	5.7		
		eL	30 45	LZ	27	21.1U		
		eL	31 52	SZ	17.0	19.4U		
12	RK-	eP	18 23 28.9	SZ	0.9	8.1	34.3	4.65
		eP	23 30	LZ	12	3841.0		
		eS	29 00	LR	18	5464.4		
		eS	29 02	ST	2.9	234.0		
		eSS	30 45	LR	19	4158.0		
		eL	33 15	LZ	24	6697.0		
		eL	37 37	SR	8.5	6892.4		
12	HW-	eP	18 23 49	LZ	19	1398.5	36.6	
		e	29 00	LR	17	2269.3		
		eLQ	31 26	LR	18	12.4U		
		eLR	33 10	LZ	25	10.1U		
12	LC-	eP	18 24 17	LZ	19	1899.8	39.6	
		ePP	25 51	LZ	17	2917.8		
		eS	30 00	LR	24	9999.9		
		eLQ	33 10	LR	24	9999.9		
		eLR	36 52	LZ	27	8853.6		
		eL	38 22	SZ	19.0	13.2U		
12	JE-	eP	18 25 25	LZ	17	3390.1	48.0	
		ePP	27 26	LZ	14	6121.9		
		ePPP	28 08	LZ	12	7489.7		
		eS	32 25	LR	20	22.6U		
		eS	32 25	LT	18	4845.8		
		e	36 18	LT	24	7869.3		
		eLQ	39 50	LT	29	9177.8		
		eLR	41 25	LZ	24	3768.9		
12	DH-	eP	18 25 38.4	SZ	0.8	23.3	49.7	5.19
		eP	25 40	LZ	16	634.8		
		eS	32 47	LR	25	6018.9		
		eLQ	36 44	LR	20	6893.2		
		eLR	41 25	LZ	22	6635.9		
							AVG.	4.70

12 18 17 07.7 19.9 S 173.9 W TONGA ISLANDS
H= 33 KM MAG 5.50 CGS

12	MN-	eP	18 29 04.0	SZ	0.9	23.0	78.1	5.20
12	LC-	eP	18 29 31.0	SZ	1.4	54.5	82.7	5.46
							AVG.	5.33

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	NP-	e	18 27 30	SZ	0.9	10.4		

12 18 28 57.5 56.6 N 152.2 W ALASKA AFTERSHOCK
H= 20 KM MAG 4.40 CGS

12	RK-	eP	18 35 44.0	SZ	0.9	10.2	34.2	4.74
12	DH-	eL	18 44 20	SR	4.5	1762.7		
12	MN-	eP	19 21 59.5	SZ	1.1	5.1		

12 23 37 50.4 59.4 N 143.1 W ALASKA AFTERSHOCK
H= 20 KM MAG 4.70 CGS

12	NP-	eP	23 42 10.4	SZ	1.0	7.0	18.9	3.86
12	MN-	eP	23 43 27.7	SZ	1.2	8.9	26.3	4.28
		eL	50 10	LT	21	121.6		
12	RK-	eP	23 43 50.0	SZ	1.1	9.8	28.9	4.51
		eL	53 07	LR	18	427.2		
		eL	53 10	SR	2.2	74.0		
12	LC-	eP	23 44 55.9	SZ	1.1	4.7	36.3	4.23
							AVG.	4.22

12 23 42 23. 59.5 N 143.1 W ALASKA AFTERSHOCK
H= 25 KM MAG 4.50 CGS

12	NP-	eP	23 46 43.0	SZ	1.0	15.9	18.8	4.21
12	MN-	eP	23 48 00.0	SZ	1.2	10.2	26.4	4.34
12	RK-	eP	23 48 21.0	SZ	0.8	3.1	28.9	4.14
							AVG.	4.23

13 00 07 01.8 14.8 S 176.7 W SAMOA ISLANDS REGION
H= 33 KM MAG 4.70 CGS

13	MN-	eP	00 18 49.5	SZ	1.0	6.6	76.2	4.62
13	LC-	eP	00 19 20.7	SZ	0.9	14.8	81.8	5.01
		eLR	44 51	LZ	25	744.6		
		eL	48 14	LT	20	1006.0		
		eL	48 14	LR	20	504.0		
		eL	48 14	LZ	20	918.3		
13	DH-	eL	00 59 53	LR	25	224.8	108.5	
							AVG.	4.81

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13			00 07 42.1	56.2 N 152.7 W ALASKA AFTERSHOCK H= 33 KM MAG 4.90 CGS				
13	LC-	eL	00 27 16	LT	20	139.7	39.6	
13			03 19 43.2	76. N 8.2 E SVALBARD REGION H= 33 KM MAG 4.50 CGS				
13	LC-	eP	03 30 17.7	SZ	0.7	1.2	64.5	4.16
		eL	55 51	LZ	25	103.4		
13	JE-	eL	03 53 50	LT	22	256.4	61.9	
13			05 25 26.1	32.8 S 178.3 W KERMADEC ISLANDS REGION H= 33 KM MAG 5.30 CGS				
13	HW-	eP	05 35 15	LZ	20.0	1880.4	56.8	
		eS	43 05	LR	18	9999.9		
		eL	48 12	LT	25	10.1U		
13	MN-	eP	05 38 24.5	SZ	1.3	16.0	90.3	5.09
		eP	38 28	LZ	21	1060.7		
		eS	49 03	LT	999 9	9999.9		
13	LC-	eP	05 38 40.8	SZ	1.0	3.8	93.7	4.73
		eP	38 43	LZ	21	919.8		
		eSKS	49 25	LR	23	3397.7		
		eLR	06 11 00	LZ	21	14.9U		
		eL	12 05	SZ	19.0	13.4U		
13	JE-	eP	05 39 25	LZ	16	685.0	103.7	
		ePP	43 45	LZ	17	1461.9		
		eSKS	50 10	LT	19	3198.0		
		eS	51 30	LT	28	3527.8		
		eSP	53 00	LZ	19	3348.2		
		eSS	58 25	LT	27	4326.1		
		e	06 01 40	LZ	15	2229.9		
		eL	13 10	LZ	27	3247.8		
13	RK-	ePP	05 45 02	LZ	18	437.1	111.5	
		eSKS	50 38	LR	24	650.0		
		e	52 27	LT	23	1464.5		
		ePS	54 35	LR	25	2151.6		
		eSS	06 00 17	LT	23	3030.0		
		eSSS	04 23	LT	25	2324.6		
		e	07 20	LT	25	2686.2		
		eLQ	10 25	LT	22	1212.0		
		eLR	14 10	LT	23	5959.0		
13	DH-	ePP	05 45 33	LZ	17	1036.8	120.4	
		eSKS	51 15	LR	17	1187.1		
		eSKKS	52 43	LR	23	1099.2		
		eSP	55 12	LZ	22	1935.4		
		eSPP	57 02	LZ	18	1705.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	06 02 17	LR	20.0	3706.4		
		eLQ	23 28	LR	30	6806.9		
		eLR	27 09	LZ	999 9	9999.9		
							AVG.	4.91
13			07 43 00.*	56.8 N 153.8 W ALASKA AFTERSHOCK H= 25 KM MAG 3.70 CGS				
13			08 11 00.*	33.1 S 178.0 W KERMADEC ISLANDS REGION H= 15 KM MAG 4.40 CGS				
13			10 08 54.*	19.7 N 142.7 E MARIANA ISLANDS REGION H= 33 KM MAG 4.60 CGS				
13			11 06 16.4	21.8 S 179.6 W WEST OF TONGA ISLANDS H=578 KM MAG 4.60 CGS				
13	MN-	eP	11 17 44.0	SZ	0.9	8.3	83.1	4.28
		epP	19 52	SZ	1.0	7.5		
13	LC-	eP	11 18 08.0	SZ	0.9	7.9	88.1	4.53
		epP	20 19	SZ	1.0	27.0		
							AVG.	4.40
13	LC-	e	11 27 43	LT	14	830.1		
13	LC-	e	11 31 58	LT	17	173.2		
13	LC-	eL	12 07 20	LZ	17	60.6		
13			12 18 34.8	36.4 N 121.2 W MONTEREY COUNTY, CALIFORNIA H= 14 KM MAG 4.40 CGS				
13	MN-	eP	12 19 27.8	SZ	999.9	9999.9	3.2	
13	LC-	eP	13 16 25.2	SZ	0.4	.8		
13	LC-	eL	13 18 32	SR	0.7	1.7		
13	LC-	eL	13 18 40	LR	13	379.1		
13			13 47 32.*	60.6 N 141.4 W ALASKA AFTERSHOCK H= 33 KM MAG 3.70 CGS				
13	MN-	eP	14 45 49.0	SZ	999.9	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	DH-	eP	15 00 59.2	SZ	0.4	24.1	1.8	
		eS	01 23	ST	0.4	37.0		
13	15 06 03.*		60. N 145.9 W ALASKA AFTERSHOCK H= 33 KM MAG 4.20 CGS					
13	MN-	eP	15 11 51.4	SZ	0.9	3.2	27.8	4.07
13	RK-	eP	15 12 12.5	SZ	0.9	7.9	30.3	4.53
							AVG.	4.30
13	16 42 48.3		32.7 S 178.6 W KERMADEC ISLANDS REGION H= 33 KM MAG 5.10 CGS					
13	MN-	eP	16 55 48.0	SZ	1.3	17.6	90.4	5.14
		eS	17 06 50	LR	23	324.8		
		eLQ	20 45	LR	26	419.7		
		eLR	25 25	LZ	25	873.2		
13	HW-	eS	17 00 32	LR	15	982.4	56.8	
		eLQ	09 30	LR	30	896.5		
		eLR	10 08	LZ	23	1093.0		
13	LC-	eSKS	17 06 43	LT	17	324.8	93.8	
		eSS	13 37	LT	20	409.8		
		eSSS	17 18	LT	23	180.4		
		eL	26 00	LZ	24	305.4		
13	RK-	eL	17 36 22	LR	30	708.0	111.6	
13	JE-	eL	17 07 45	LZ	15.0	171.5		
13	LC-	eP	17 30 25.4	SZ	0.2	4.2	2.6	
		eS	30 57	SR	0.4	5.7		
13	DH-	eP	18 09 05.2	SZ	0.4	24.1	1.7	
		eS	09 28	SR	0.5	74.5		
13	20 37 54.*		32.4 S 178.3 W KERMADEC ISLANDS REGION H= 70 KM MAG 4.90 CGS					
13	MN-	eP	20 50 47.0	SZ	1.0	3.3	90.0	4.45
		eS	21 01 55	LR	15	452.0		
		eL	22 00	LZ	22	604.7		
13	HW-	e	20 55 38	LR	15	764.1	56.4	
		eLQ	21 01 00	LR	25	453.1		
		eLR	04 05	LZ	22	683.1		
13	LC-	eSKS	21 01 40	LT	15	533.6	93.4	
		ePS	03 36	LT	19	366.5		
		eSS	07 54	LT	15	533.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	18 09	LT	17.0	357.3		
		eLR	22 06	LZ	23	232.5		
		eL	35 10	LT	17	1082.9		
		eL	35 10	LR	18	349.5		
		eL	35 10	LZ	18	952.3		
13	JE-	eL	21 29 00	LZ	25	237.3	103.5	
13	RK-	eL	21 33 40	LR	22	208.2	111.2	
13	DH-	eL	21 39 27	LZ	22	414.7	120.2	
13	LC-	eP	21 28 52.1	SZ	0.2	15.9	1.2	
		eS	28 59	ST	0.3	11.6		
13	RK-	eP	21 31 40.9	SZ	0.4	3.5	2.3	
		eS	32 20	SR	0.4	7.4		
13	23 34 26.1		40.5 N 138.6 E SEA OF JAPAN H= 33 KM MAG 4.80 CGS					
13	LC-	eP	23 47 03.6	SZ	1.0	7.7	85.7	4.74
14	00 52 10.*		33.3 S 178.3 W KERMADEC ISLANDS REGION H= 33 KM MAG 4.50 CGS					
14	01 05 47.6		32.9 S 178.8 W KERMADEC ISLANDS REGION H=309 KM MAG 4.60 CGS					
14	01 52 47.3		33.4 S 71.2 W CENTRAL CHILE H= 69 KM MAG 4.00 CGS					
14	02 30 32.2		4.5 S 152.9 E NEW IRELAND REGION H= 32 KM MAG 4.90 CGS					
14	NP-	eP	02 43 45.5	SZ	1.3	26.3	93.8	5.45
14	08 59 41.*		7.6 S 155.9 E SOLOMON ISLANDS H= 33 KM					
14	09 54 58.*		18.7 S 174.8 W TONGA ISLANDS H= 47 KM MAG 4.20 CGS					
14	11 30 14.*		15.3 S 70.6 W SOUTHERN PERU H=167 KM MAG 4.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14			11 55 28.2	62.8 N 152.3 W ALASKA AFTERSHOCK H= 15 KM MAG 4.60 CGS				
14	NP-	eP	11 59 32.0	SZ	0.6	5.1	17.3	3.85
14	RK-	eP	12 02 04.0	SZ	0.7	18.7	33.0	5.11
		ePcP	04 47	SZ	0.6	11.2		
		eScS	12 36	SR	2.5	101.2		
14	LC-	eP	12 03 19.2	SZ	1.7	34.3	41.8	4.82
							AVG.	4.59
							.8	
14	HW-	eP	12 29 05.5	SZ	0.3	28.5		
		eS	29 17	SR	0.3	71.4		
14	RK-	eL	13 10 00	LZ	13	264.8		
14	RK-	eL	13 15 10	LZ	13	2692.3		
14			13 23 29.*	32.5 S 178.2 W KERMADEC ISLANDS REGION H= 29 KM MAG 4.40 CGS				
14			13 52 14.4	65.3 N 86.5 W MELVILLE PENINSULA, CANADA H= 33 KM MAG 4.50 CGS				
14	RK-	eP	13 55 35.5	SZ	0.5	16.2	15.0	4.71
		e	58 06	ST	0.5	40.7		
		eL	59 45	SR	0.6	141.7		
14	NP-	eP	13 55 46.5	SZ	0.4	17.5	15.1	4.82
		e	58 27	SZ	0.6	15.4		
		eL	14 00 10	SZ	999.9	9999.9		
							AVG.	4.76
14	LC-	eP	14 10 33.5	SZ	1.0	5.1		
14			14 19 05.*	59.7 N 144.4 W ALASKA AFTERSHOCK H= 33 KM MAG 4.50 CGS				
14	RK-	eP	14 25 07.8	SZ	0.7	6.6	29.5	4.53
14			15 12 04.*	59.8 N 147.0 W ALASKA AFTERSHOCK H= 33 KM MAG 4.10 CGS				
14	NP-	eP	15 16 25.6	SZ	1.0	9.0	19.1	3.99
14	NP-	eP	16 28 23.5	SZ	0.5	3.4		
14			20 01 01.	21.3 S 179.3 W FIJI ISLANDS REGION H=606 KM MAG 4.70 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	LC-	eP	20 12 48.0	SZ	1.0	20.6	87.6	
		ePP	15 03	SZ	1.2	14.2		
14	LC-	eP	20 53 39.5	SZ	0.4	15.6	1.5	
		eS	53 59	SR	0.5	15.1		
14	RK-	eP	22 12 04.0	SZ	0.3	2.8	4.2	
		eS	12 54	SR	0.5	27.8		
15			01 12 40.*	33.4 N 16.0 E NEAR COAST OF LIBYA H= 33 KM				
15			02 13 57.*	12.8 N 87.5 W NEAR WEST COAST OF NICARAGUA H= 51 KM MAG 3.70 CGS				
15			02 56 15.*	60.1 N 147.0 W ALASKA AFTERSHOCK H= 33 KM MAG 3.80 CGS				
15			04 02 39.*	57.6 N 152.2 W ALASKA AFTERSHOCK H= 20 KM MAG 3.90 CGS				
15			05 11 17.*	61.4 N 147.9 W ALASKA AFTERSHOCK H= 33 KM MAG 3.70 CGS				
15			05 46 33.*	9.8 N 85.5 W NEAR WEST COAST COSTA RICA H= 33 KM MAG 4.20 CGS				
15	RK-	eP	06 25 03.5	SZ	0.7	20.6		
15	RK-	eP	08 18 03.8	SZ	0.7	7.7		
15			10 17 45.9	12.4 N 89.0 W OFF COAST OF EL SALVADOR H= 53 KM MAG 4.40 CGS				
15	JE-	eP	10 22 12.9	SZ	0.6	34.3	19.5	4.81
15	LC-	eP	10 23 11.8	SZ	1.0	3.0	25.6	3.83
							AVG.	4.32
15			10 50 21.*	3.5 S 149.1 E BISMARCK SEA H= 44 KM MAG 4.70 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	DH-	eL	11 33 25	LZ	35.0	213.5	125.0	
15	RK-	eL	11 34 10	LZ	15	286.9	109.7	
15	MN-	eL	11 38 15	LZ	28	124.4	94.3	
15	JE-	eL	11 22 15	LZ	16.0	251.7		
15	LC-	e	11 27 54	LZ	25	178.0		
15	LC-	eL	11 30 00	LR	30	226.9		
15	HW-	eP	12 08 45	LZ	22	1419.4		
15	12 10 25.4		10.5 N 85.7 W NEAR WEST COAST COSTA RICA H= 33 KM MAG 4.50 CGS					
15	JE-	eP	12 15 20.5	SZ	0.8	72.9	22.0	5.13
15	LC-	eP	12 16 24.5	SZ	0.7	3.0	29.1	4.18
		eL	23 40	LR	32	788.9		
15	DH-	eL	12 28 10	LR	25	520.8	33.0	
							AVG.	4.65
15	MN-	e	12 14 18	LT	24	332.6		
15	LC-	e	12 14 55	LT	18	232.9		
15	HW-	eLQ	12 15 30	LT	22	2051.9		
15	HW-	eLR	12 17 55	LZ	26	7026.7		
15	LC-	e	12 17 55	LR	22	480.6		
15	RK-	e	12 18 35	LZ	21	217.9		
15	MN-	e	12 21 20	LT	27	1022.6		
15	RK-	e	12 24 45	LT	25	578.6		
15	MN-	eLQ	12 29 10	LT	35	1705.4		
15	MN-	eLR	12 33 15	LZ	27	1922.4		
15	LC-	eLQ	12 33 45	LT	30	727.5		
15	RK-	eL	12 35 40	LR	37	2176.0		
15	LC-	eLR	12 38 20	LZ	27	1754.5		
15	RK-	eLQ	12 40 00	LR	18	621.9		
15	DH-	eL	12 43 25	LR	40	1670.6		
15	JE-	eL	12 44 50	LZ	23	460.4		
15	RK-	eLR	12 45 25	LZ	22	2285.7		
15	12 59 28.3		13. N 143.9 E SOUTH OF MARIANA ISLANDS H=110 KM MAG 4.40 CGS					
15	14 02 41.*		57.1 S 58.9 W S. SHETLAND ISLANDS REGION H= 33 KM MAG 4.90 CGS					
15	RK-	eP	15 45 49.2	SZ	0.6	5.4		
15	LC-	eP	18 05 04.2	SZ	0.3	1.1	2.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	05 36	ST	0.3	2.8		
15	19 40 35.*		31.5 N 113.7 W GULF OF CALIFORNIA H= 33 KM MAG 5.00 CGS					
15	LC-	eP	19 42 04.0	SZ	0.6	21.5	6.1	4.98
		eL	43 59	ST	0.6	34.5		
15	19 56 25.*		31.6 N 114.1 W GULF OF CALIFORNIA H= 33 KM MAG 4.60 CGS					
15	LC-	e	19 58 54	SZ	0.6	4.3	6.4	
		eL	59 48	SR	0.6	33.6		
15	LC-	e	20 42 25	LT	19.0	836.7		
15	LC-	eL	20 43 32	LT	999 9	9999.9		
15	JE-	eLQ	20 50 20	LT	17	3274.8		
15	RK-	eP	20 50 25	LZ	12	914.6		
15	JE-	eLR	20 52 00	LZ	14	11.1U		
15	RK-	e	20 53 18	LT	21	1363.4		
15	RK-	eL	20 55 41	LZ	10	4424.7		
15	DH-	eLQ	20 57 20	LT	15	5805.6		
15	DH-	eLR	21 00 15	LZ	15	3080.5		
15	21 20 42.*		31.2 N 113.2 W GULF OF CALIFORNIA H= 33 KM MAG 4.40 CGS					
15	LC-	eP	21 22 08.0	SZ	0.6	2.1	5.7	3.92
		eL	24 03	SR	0.7	7.0		
15	LC-	eP	21 28 37.0	SZ	0.6	10.3		
16	01 58 36.4		10.5 S 161.9 E SOLOMON ISLANDS H= 33 KM MAG 5.10 CGS					
16	MN-	eP	02 11 29.2	SZ	0.9	3.2	88.7	4.53
16	02 40 10.*		59.6 N 145.0 W ALASKA AFTERSHOCK H= 33 KM MAG 3.80 CGS					
16	LC-	eP	04 15 35.5	SZ	0.6	1.4		
16	LC-	eL	04 17 23	SR	0.8	2.8		
16	05 40 11.1		7.1 N 73.2 W VENEZUELA H=126 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	LC-	eP	05 47 35.8	SZ	0.9	15.4	40.0	4.76
16	08 00 58.1		49.9 N 78.3 E KAZAKH S.S.R.					
			H= KM MAG 5.60 CGS					
16	RK-	eP	06 13 06.2	SZ	0.5	23.4	79.4	5.43
16	MN-	eP	06 14 05.9C	SZ	0.6	16.0	90.9	5.52
16	LC-	eP	06 14 38.1	SZ	1.0	5.8	97.9	5.26
							AVG.	5.40
16	08 38 54.		36.3 N 71.5 E HINDU KUSH					
			H=122 KM MAG 5.30 CGS					
16	RK-	eP	08 51 51.6	SZ	1.1	11.5	92.3	5.06
		eL	09 34 33	LZ	20	158.6		
16	09 51 41.		54. N 164.1 W UNIMAK ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.70 CGS					
16	MN-	eP	09 58 31.7	SZ	0.8	.9	34.7	3.78
		ePCP	10 01 03	SZ	1.0	2.5		
		eL	06 41	LT	28	237.3		
16	RK-	eP	09 59 26.1	SZ	1.0	9.3	41.5	4.50
		eL	10 12 53	LZ	30	265.5		
16	LC-	eP	10 00 08.0	SZ	0.9	1.8	45.7	4.01
		eS	06 47	LR	30	195.2		
		eL	10 30	LR	20	207.5		
		eL	14 09	LZ	28	538.9		
16	HW-	eL	10 07 29	LT	25	433.4	34.6	
							AVG.	4.09
16	10 27 36.*		59.3 N 152.0 W ALASKA AFTERSHOCK					
			H= 35 KM MAG 3.70 CGS					
16	10 34 39.*		49. N 164.4 W FOX ALEUTIAN ISLANDS					
			H= 33 KM MAG 3.90 CGS					
16	14 33 17.*		13.6 S 165.6 E SOLOMON ISLANDS					
			H= 62 KM MAG 4.60 CGS					
16	14 44 54.*		57.6 N 151.0 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 5.40 CGS					
16	MN-	eP	14 50 50.5	SZ	0.7	14.9	28.7	4.86

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePCP	53 59	SZ	0.7	3.7		
		eL	59 10	LZ	19	554.4		
16	RK-	eP	14 51 30.9	SZ	0.9	29.8	33.3	5.19
		eL	15 02 08	LZ	27	543.5		
16	LC-	eP	14 52 21.6	SZ	1.1	34.9	39.2	4.99
		ePCP	54 29	SZ	0.9	6.3		
		eS	58 28	LR	18	189.3		
		eL	15 02 35	LT	29	917.6		
		eL	04 30	LZ	23	491.3		
16	JE-	eP	14 53 27.4	SZ	1.0	69.8	47.3	5.65
		eL	15 10 40	LZ	30	244.5		
16	DH-	eP	14 53 36.8	SZ	1.1	37.1	48.7	5.31
16	HW-	eL	15 00 48	LT	19	301.9	37.7	
							AVG.	5.20
16	DH-	eP	15 59 20.0	SZ	0.8	23.7		
16	16 07 46.2		32.8 S 178.3 W KERMADEC ISLANDS REGION					
			H= 33 KM MAG 6.00 CGS					
16	MN-	eP	16 20 44.3	SZ	1.0	4.1	90.3	4.62
		eS	31 50	LR	17	2022.6		
		eSS	37 47	LR	21	962.9		
		eLQ	44 33	LR	25	1124.4		
		eLR	49 00	LZ	28	1549.8		
16	JE-	eP	16 21 53	LZ	15	273.8	103.7	
		ePP	25 56	LZ	20	706.7		
		eSKS	32 33	LT	15	1587.4		
		e	35 22	LZ	19	903.9		
		eL	58 58	LZ	22	1208.2		
16	RK-	ePD	16 22 53	LZ	17	316.1	111.5	
		eSP	36 31	LZ	13	2167.4		
		eL	56 43	LT	25	2626.2		
		eL	17 02 24	LZ	22	1339.0		
		eLR	08 27	LZ	19	6099.8		
16	LC-	eSKS	16 31 30	LT	16	1196.9	93.7	
		ePS	33 34	LT	19	1397.5		
		eLQ	44 41	LR	21	569.0		
		eLR	52 27	LZ	22	2680.3		
16	DH-	e	16 32 02	LR	15	483.8	120.4	
		eSP	37 50	LZ	23	803.2		
		eSS	44 45	LR	20	600.6		
		e	49 25	LZ	30	877.8		
		eLQ	17 00 27	LT	40	1674.4		
		eLR	06 40	LZ	25	1095.6		
16	16 08 40.*		44.5 N 128.1 W OFF COAST OF OREGON					
			H= 33 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	MN-	eP	16 10 55.5	SZ	0.8	1.4	9.6	4.31
16	LC-	eP	16 13 19.5	SZ	0.8	1.3	20.7	3.32
		eS	17 21	LT	17	282.8		
		eLQ	19 04	LT	23	243.2		
		eLR	20 22	LZ	18	234.8		
							AVG.	3.81
16	17 26 28.		42.1 N 132.7 E SEA OF JAPAN H=427 KM MAG 4.20 CGS					
16	DH-	eP	19 59 45.5	SZ	0.4	20.7		
16	DH-	eL	20 12 15	LR	25	595.2		
17	00 50 17.9		59.4 N 142.7 W ALASKA AFTERSHOCK H= 35 KM MAG 5.75 CGS					
17	MN-	eP	00 55 51.8	SZ	2.0	145.8	26.2	5.24
		e	55 56	SZ	1.1	53.4		
		eL	01 02 02	LT	8.0	4907.3		
17	RK-	eP	00 56 13.4	SZ	1.0	10.2	28.7	4.54
		eP	56 15	LZ	12	3841.0		
		eS	01 01 10	LT	17	9999.9		
		eL	05 10	LT	999 9	9999.9		
		e	05 10	SZ	6.2	6611.6		
		eL	05 48	SZ	3.5	397.2		
17	LC-	eP	00 57 19.5	SZ	1.5	23.8	36.1	4.83
		eP	57 20	LZ	15	865.4		
		e	58 52	LR	15	2289.6		
		eL	01 02 45	LR	999 9	9999.9		
		eL	10 26	SZ	9.0	2673.4		
17	JE-	eP	00 58 20.0	SZ	1.2	31.5	43.4	4.92
		eL	01 13 28	SR	6.0	8723.3		
17	DH-	eSCP	01 03 30	LZ	10	1120.0	44.0	
		eS	05 02	LR	16	1765.4		
		eSCS	08 25	LR	16	3101.5		
		eL	12 10	LR	22	10.4U		
		eL	13 17	SR	3.0	950.1		
17	HW-	eSCP	01 04 10	LZ	18	4000.7	40.5	
		eLQ	07 08	LT	13	20.9U		
		eLR	08 42	LZ	22	10.0U		
							AVG.	4.88
17	04 41 44.*		53.9 N 159.7 W SOUTH OF ALASKA H= 33 KM MAG 5.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	MN-	eP	04 48 10.8	SZ	1.0	33.3	32.1	5.16
17	RK-	eP	04 49 11.5	SZ	0.6	42.6	39.1	5.35
		eP	49 15	LZ	8	2689.2		
		eL	05 04 25	LR	17	1416.3		
17	LC-	eP	04 49 43.5	SZ	1.0	69.6	43.1	5.34
		eP	49 45	LZ	15	116.9		
		ePCP	51 32	SZ	1.0	12.7		
		e	56 17	LR	20	399.6		
		eLQ	59 34	LT	18	609.1		
		eLR	05 02 38	LZ	33	1347.2		
17	JE-	eP	04 50 54.5	SZ	0.6	73.0	52.1	5.82
		e	05 03 00	LZ	18	195.1		
		eLR	09 22	LT	14	2191.7		
17	DH-	eP	04 51 11.5	SZ	1.2	90.3	54.6	5.68
		eL	05 09 50	LZ	30	381.7		
17	HW-	e	04 53 30	LZ	20	673.6	34.0	
		eL	55 50	LR	15	1350.8		
							AVG.	5.47
17	06 30 01.*		17.7 S 69.6 W PERU BOLIVIA BORDER REGION H=149 KM MAG 3.80 CGS					
17	MN-	eP	07 12 02.2	SZ	0.4	4.5	.6	
		eS	12 12	SR	0.5	9999.9		
17	07 52 59.*		7.9 S 74.3 W CENTRAL PERU H=152 KM MAG 3.90 CGS					
17	11 15 03.7		19.5 S 176.7 W TONGA ISLANDS REGION H=266 KM MAG 4.30 CGS					
17	LC-	eP	11 27 09.5	SZ	0.7	5.1	84.6	4.44
17	17 05 24.8		33.2 S 178.4 W KERMADEC ISLANDS REGION H= 33 KM MAG 4.60 CGS					
17	MN-	eL	17 48 20	LZ	27.0	326.6	90.6	
17	LC-	eL	17 49 52	LZ	22	221.5	94.0	
17	RK-	eL	18 08 20	LZ	18.0	443.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17			18 25 56.* 33.3 S 178.3 W KERMADEC ISLANDS REGION H= 59 KM					
17			19 10 56.2 46.9 N 152.6 E KURILE ISLANDS H= 33 KM MAG 4.40 CGS					
17			19 26 20.6 35.2 N 35.9 W NORTH ATLANTIC OCEAN H= 33 KM MAG 6.50 CGS					
17	DH-	eP	19 32 38.4	SZ	1.1	338.2	31.0	6.12
		eP	32 40	LZ	25	1393.6		
		eS	37 45	LR	20	3979.0		
		e	38 49	ST	1.5	309.5		
		eL	40 25	LZ	999 9	9999.9		
17	RK-	eP	19 34 22.2	SZ	1.6	369.4	43.9	5.86
		eP	34 25	LZ	12	6168.9		
		ePP	36 07	SZ	2.3	984.4		
		ePP	36 15	LR	22	3007.7		
		e	41 15	LZ	9	9999.9		
		eSS	43 50	LT	25	9999.9		
17	JE-	eP	19 34 47.8	SZ	1.2	315.9	46.4	6.18
		eS	41 05	LR	999 9	9999.9		
		eL	45 00	LT	27	19.5U		
17	LC-	eP	19 36 11	LZ	17	607.5	57.7	
		e	39 35	LZ	12	2307.1		
		eL	44 05	LR	999 9	9999.9		
17	MN-	eP	19 36 48.7	SZ	1.0	5.0	63.8	4.59
		eP	36 49	LZ	18	680.4		
		e	36 52	SZ	0.9	37.1		
		ePPP	40 25	LZ	17	1683.8		
		eS	45 25	LT	25	3840.3		
		eL	52 10	LR	32	7545.4		
		eL	20 04 30	SZ	20.0	19.8U		
17	HW-	ePP	19 44 10	LZ	19	232.5	100.8	
		eSKS	51 00	LR	20	1178.9		
		ePS	53 15	LR	24	2913.3		
		e	58 50	LZ	22	3263.3		
		eL	20 13 40	LR	35	6046.8		
							AVG.	5.68
18			01 04 30.5 74.3 N 97.4 W QUEEN ELIZABETH IS. REGION H= 15 KM MAG 4.10 CGS					
18	NP-	eP	01 06 01.1	SZ	0.4	5.3	5.9	4.62
		eL	07 03	SZ	1.0	8.7		
18	RK-	eL	01 16 37	LZ	10	1024.5	23.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	DH-	eLQ	01 21 35	LR	14.8	453.7	33.8	
		eLR	23 37	LZ	12	267.7		
18	JE-	eLQ	01 21 44	LR	17	1538.9	42.7	
		eLR	22 40	LZ	10	353.1		
18	LC-	eL	01 25 00	LR	32	302.3	42.2	
18	RK-	eP	01 13 48.5	SZ	0.6	12.8		
18	RK-	eL	01 16 22	SR	1.5	256.3		
18	DH-	eP	01 18 11.5	SZ	0.7	4.9		
18	DH-	eL	01 21 32	SR	1.3	53.8		
18	MN-	eL	01 23 35	SR	1.5	4.9		
18	HW-	e	01 40 52	LZ	30	325.7		
18	HW-	eL	02 01 40	LZ	35	355.0		
18			04 15 08.4 12. S 73.8 W CENTRAL PERU H= 91 KM MAG 4.30 CGS					
18			05 12 32.* 60.4 N 146.6 W ALASKA AFTERSHOCK H= 33 KM MAG 3.90 CGS					
18			08 33 51.* 52.2 N 158.4 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 4.30 CGS					
18	HW-	eP	09 11 35.8	SZ	1.4	384.0		
18	NP-	eP	11 12 07.3	SZ	0.6	17.2		
18	NP-	e	11 12 54	SZ	0.8	40.1		
18			13 47 22.7 59.6 N 145.0 W ALASKA AFTERSHOCK H= 20 KM MAG 4.60 CGS					
18	RK-	e	13 49 28	LR	31	1148.2	29.9	
		eP	53 30.5	SZ	0.9	3.9		4.22
		eL	14 02 22	LR	23	1146.6		
		eL	03 13	SR	2.0	28.6		
18	NP-	eP	13 51 44.3	SZ	0.6	9.7	19.0	4.23
		e	51 54	LR	14	344.8		
		eS	55 28	LR	12	1033.5		
		eL	58 35	LR	15	1440.9		
		eL	14 00 30	SZ	0.6	2.1		
18	MN-	eP	13 53 07.0	SZ	1.8	39.6	27.2	4.82
		e	58 15	LT	17	149.4		
		eSS	59 17	LT	13	343.5		
		eLQ	14 00 00	LT	18	777.7		
		eLR	01 22	LZ	17	541.4		
18	LC-	ePCS	14 00 40	LR	16	189.9	37.2	
		eLQ	03 17	LT	18	221.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	07 44	LZ	23.0	20115		
		eL	10 18	LT	13	1869.0		
		eL	10 18	LR	14	455.2		
		eL	10 18	LZ	12	209.9		
18	HW-	eL	14 04 22	LT	15	953.5	40.3	
18	DH-	eL	14 10 20	LR	16	432.6	45.2	
18	JE-	eL	14 11 41	LR	15	1390.3	44.6	
		eL	14 22	LR	13	11.0U		
		eL	14 22	LT	12	6237.1		
							AVG.	4.42
18	14 12 10.1		21.2 S 174.5 W TONGA ISLANDS REGION H= 33 KM MAG 5.60 CGS					
18	HW-	eP	14 20 22.0	SZ	1.7	336.0	44.9	5.92
		eS	27 10	LT	999 9	9999.9		
		eL	30 17	LT	25	1686.1		
18	MN-	eP	14 24 14.9	SZ	0.8	8.3	79.4	4.73
		eS	34 24	LT	20	367.1		
		eS	34 24	LR	16	827.9		
		eSS	39 37	LR	17	420.7		
		eLQ	45 18	LR	23	578.4		
		eLR	49 18	LZ	22	379.0		
		eL	56 30	LT	18	1555.5		
		eL	56 30	LR	19	393.4		
		eL	56 30	LZ	18	1740.5		
18	NP-	eP	14 26 07.2	SZ	1.6	10.3	102.8	5.32
		ePP	30 17	SZ	1.6	15.4		
		eL	15 03 49	LT	25	249.2		
18	LC-	e	14 35 13	LR	18	973.8	84.0	
		eL	50 00	LZ	23	215.9		
		eL	55 10	LT	19	2017.6		
		eL	55 10	LR	19	1168.8		
		eL	55 10	LZ	20	1590.0		
18	RK-	eLR	15 01 52	LZ	24	542.9	100.6	
18	JE-	eL	15 01 58	LR	18	862.8	94.8	
18	DH-	eL	15 10 00	LZ	21	714.6	110.9	
							AVG.	5.32
18	16 01 17.8		49.6 S 123.1 E SOUTH OF AUSTRALIA H= 33 KM					
18	NP-	eP12	16 20 47.6	SZ	1.3	43.0	144.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	NP-	eP	16 55 15.9	SZ	0.5	19		
18	HW-	eP	17 33 09.0	SZ	0.2	19.2	.5	
		eS	33 17	ST	0.2	297.6		
18	17 38 25.5		18.2 N 147.3 E MARIANA ISLANDS REGION H= 19 KM MAG 5.10 CGS					
18	NP-	eP	17 49 55.7	SZ	0.5	9	73.2	4.09
18	MN-	eP	17 50 48.2	SZ	1.0	3.3	82.4	4.41
18	RK-	eL	18 24 15	LZ	15	354.3	93.0	
							AVG.	4.25
18	18 14 49.*		59.7 N 145.0 W ALASKA AFTERSHOCK H= 33 KM MAG 4.00 CGS					
18	NP-	eP	18 19 08.6	SZ	0.6	6.4	18.9	4.06
		eL	21 00	LR	14	689.6		
		e	21 14	SZ	1.0	5.7		
		eL	25 35	SZ	2.0	27.2		
18	MN-	eP	18 20 31.5	SZ	0.9	1.2	27.3	3.62
		e	22 44	SZ	1.0	2.5		
18	LC-	e	18 25 05	LZ	23	172.7	37.3	
		eL	26 19	LT	21	214.5		
		eL	26 19	LR	21	243.8		
		eL	26 19	LZ	21	218.2		
							AVG.	3.84
18	NP-	eP	18 48 34.2	SZ	0.4	7		
18	20 03 04.*		36.5 N 24.0 E SOUTHERN GREECE H= 33 KM MAG 4.60 CGS					
18	LC-	eP	20 35 28.0	SZ	0.4	3.2	3.0	
		eS	36 05	ST	0.4	5.6		
18	21 12 46.2		59.5 N 142.7 W ALASKA AFTERSHOCK H= 25 KM MAG 4.90 CGS					
18	NP-	eP	21 17 02.8	SZ	0.5	8.1	18.7	4.21
		eL	23 07	SZ	2.0	54.5		
		eL	23 36	LR	13	1046.0		
18	MN-	eP	21 18 21.1	SZ	1.5	9.8	26.3	4.21
		eL	25 25	LR	22	473.3		
18	RK-	eP	21 18 41.0	SZ	1.0	5.1	28.7	4.26

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	24 06	LZ	15.0	4421.9		
		eL	27 49	SR	2.3	88.5		
		eLR	32 00	LZ	15	2539.3		
18	LC-	eP	21 19 40.0	SZ	1.5	24.2	36.2	4.82
		ePCS	25 54	LR	19	189.0		
		eL	30 40	LT	22	160.9		
		eL	33 30	LT	19	367.5		
		eL	33 30	LR	23	201.0		
		eL	33 30	LZ	25	235.6		
							AVG.	4.37
18	LC-	eP	21 18 31.5	SZ	0.2	8.4	1.3	
		eS	18 49	SR	0.3	4.0		
18	JE-	eL	22 31 12	LT	20	780.5		
18	MN-	eP	22 43 03.2	SZ	0.2	4.3	2.9	
		eS	43 40	SR	0.2	8.0		
19	01 44 34.*		60.4 N 147.5 W ALASKA AFTERSHOCK H= 15 KM MAG 4.30 CGS					
19	MN-	eP	01 50 31.3	SZ	0.8	2.9	28.7	4.14
19	LC-	eP	01 51 49.1	SZ	1.1	5.7	38.7	4.19
							AVG.	4.16
19	02 23 45.2		59.4 N 145.2 W ALASKA AFTERSHOCK H= 20 KM MAG 4.30 CGS					
19	MN-	eP	02 29 30.0	SZ	1.0	3.3	27.2	4.00
19	02 28 34.*		59.2 N 143.9 W ALASKA AFTERSHOCK H= 33 KM MAG 4.20 CGS					
19	MN-	eP	02 34 11.4	SZ	1.1	3.0	26.5	3.85
19	04 18 05.9		18. N 91.8 W TABASCO, MEXICO H= 33 KM MAG 4.10 CGS					
19	JE-	eP	04 21 27.3	SZ	0.4	6.8	13.7	4.75
19	LC-	eP	04 22 31.9	SZ	0.8	2.7	19.6	3.57
							AVG.	4.16
19	06 09 04.1		77.7 N 18.3 E SVALBARD REGION H= 33 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	MN-	eP	06 19 17.8	SZ	0.7	2.4	61.1	4.42
19	LC-	eP	06 19 45.0	SZ	0.9	6.2	65.3	4.74
		eL	43 06	LT	25	248.8		
19	RK-	eL	06 30 44	LZ	28	734.4	45.2	
							AVG.	4.58
19	MN-	eP	06 11 21.0	SZ	0.3	2.6		
		eS	11 34	ST	0.5	3.8	49	
19	06 23 38.7		45. N 112.7 W SOUTHWESTERN MONTANA H= 33 KM MAG 3.80 CGS					
19	07 27 47.		5.8 S 105.5 E NEAR NORTH COAST OF JAVA H= 37 KM					
19	10 39 24.8		45.5 N 150.3 E KURILE ISLANDS H= 33 KM MAG 5.40 CGS					
19	MN-	eP	10 50 02.6	SZ	0.8	16.7	64.8	5.22
19	RK-	eP	10 50 29.2	SZ	0.6	34.3	69.3	5.61
		eL	11 16 25	LZ	27	519.9		
19	LC-	eP	10 51 09.7	SZ	1.0	19.7	75.9	5.09
		eL	11 12 40	LT	35	613.7		
19	JE-	eP	10 51 57.0	SZ	0.7	19.8	84.6	5.35
							AVG.	5.31
19	13 19 21.*		59.7 N 152.3 W ALASKA AFTERSHOCK H= 33 KM MAG 4.20 CGS					
19	14 42 40.7		60.2 N 146.3 W ALASKA AFTERSHOCK H= 33 KM MAG 4.90 CGS					
19	RK-	eP	14 48 52.0	SZ	1.0	20.5	30.4	4.91
		eL	58 35	LR	25	1661.6		
19	LC-	eP	14 49 58.5	SZ	1.3	17.8	38.1	4.70
		eL	15 03 50	LR	17	588.5		
							AVG.	4.80
19	MN-	eL	14 56 45	LZ	24	354.2		
19	15 30 08.		19.5 S 67.4 W SOUTHERN BOLIVIA H=293 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19			15 37 35.9 57. N 152.8 W ALASKA AFTERSHOCK H= 25 KM MAG 4.90 CGS					
19	MN-	eP	15 43 39.1	SZ	1.0	13.3	29.3	4.68
19	RK-	eP	15 44 22.3	SZ	0.9	21.6	34.4	5.07
		ePCP	46 57	SZ	0.8	4.5		
19	LC-	eP	15 45 11.1	SZ	1.0	10.4	39.9	4.47
19	JE-	eL	16 04 05	LZ	25	278.4	48.2	
							AVG.	4.74
19	LC-	eP	17 32 20.0	SZ	0.6	1.9	2.4	
		eS	32 50	ST	0.6	2.0		
19	JE-	e	20 08 04	LT	21	2298.8		
19	MN-	eP	20 24 07.8	SZ	0.3	2.9	.5	
		eS	24 15	SR	0.3	8.0		
19			20 27 24.8 1.2 S 133.8 E NEAR N. CST. WEST NEW GUINEA H= 33 KM					
19	LC-	eP	20 32 28.5	SZ	0.3	13.2	1.5	
		eS	32 48	SR	0.4	10.4		
19	MN-	e	20 48 36	LR	23	535.1		
19	LC-	e	20 51 16	LT	18	497.5		
19	MN-	eL	20 52 30	LZ	20	2614.9		
19	LC-	e	20 54 15	LT	19	703.6		
19	RK-	eL	20 54 20	LR	25	1576.4		
19	RK-	eLR	20 57 50	LZ	17	2370.7		
19	LC-	eLR	20 58 45	LZ	23	1066.7		
19			21 46 56.5 44.9 N 112.7 W SOUTHWESTERN MONTANA H= 33 KM MAG 4.30 CGS					
19	LC-	eP	22 36 23.3	SZ	0.5	6.1	1.5	
		eS	36 32	ST	0.3	22.4		
19			23 03 41.8 7 S 80.2 W NEAR COAST OF ECUADOR H= 54 KM MAG 5.40 CGS					
19	JE-	eP	23 10 25.5	SZ	1.0	99.8	34.2	5.66
		eP	10 26	LZ	18	1831.6		
19	LC-	eP	23 11 22.3	SZ	1.0	16.2	41.3	4.77
		eP	11 29	LZ	26	978.1		
		e	13 13	LR	25	2282.1		
		eSCP	16 55	LZ	999 9	9999.9		
19	MN-	eP	23 12 47.9	SZ	1.0	3.3	52.3	4.28

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	12 50	SZ	1.0	21.6		
		eP	12 50	LZ	23	1090.7		
		eS	20 18	LT	20	5727.7		
		eL	24 35	LZ	23	2287.1		
19	RK-	eP	23 12 48.0	SZ	0.5	4.8	52.6	4.74
		eP	12 48	LZ	15	3764.5		
		eS	20 00	LR	22	3540.4		
		e	23 20	LR	28	2926.4		
		eLR	27 30	LR	38	3900.7		
19	HW-	eP	23 15 38	LZ	18	902.3	76.6	
		eS	25 20	LT	20	5784.7		
		e	30 20	LZ	24	3331.2		
		e	32 40	LZ	26	1683.3		
		eL	39 10	LZ	999 9	9999.9		
							AVG.	4.86
19			23 22 04. 48.3 N 154.4 E KURILE ISLANDS H= 50 KM MAG 4.70 CGS					
19	MN-	eP	23 32 14.9	SZ	0.8	2.4	61.0	4.34
20			01 55 24.* 61.3 N 148.3 W ALASKA AFTERSHOCK H= 33 KM MAG 4.00 CGS					
20			02 21 26.4 45. N 112.8 W SOUTHWESTERN MONTANA H= 33 KM MAG 4.00 CGS					
20			03 25 05.1 9 S 80.4 W NEAR COAST OF ECUADOR H= 33 KM MAG 4.70 CGS					
20	LC-	eP	03 32 50.5	SZ	0.6	1.9	41.4	3.74
		eL	47 45	LZ	20	389.5		
20	RK-	eP	03 34 16.8	SZ	0.5	9.1	52.8	4.99
		eL	47 07	LZ	28	260.0		
20	JE-	eL	03 41 10	LZ	25	77.8	34.3	
							AVG.	4.36
20			04 53 30.3 31.4 S 178.2 W KERMADEC ISLANDS REGION H= 33 KM MAG 4.80 CGS					
20	MN-	eP	05 06 23.6	SZ	1.0	8.3	89.2	4.89

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	34 25	LZ	30.0	238.5		
20			05 32 13.7	58. N 149.6 W ALASKA AFTERSHOCK H= 20 KM MAG 4.90 CGS				
20	MN=	eP	05 38 07.6	SZ	1.0	6.6	28.3	4.38
20	RK=	eP	05 38 44.1	SZ	1.0	32.2	32.5	5.18
20	LC=	eP	05 39 38.5	SZ	1.1	8.4	38.7	4.37
							AVG.	4.64
20			06 01 14.8	2.7 S 139.3 E NEAR N. COAST W. NEW GUINEA H= 61 KM MAG 5.80 CGS				
20	MN=	eP	06 15 02.0	SZ	1.5	12.2	101.5	5.32
		ePP	19 03	SZ	1.7	17.3		
		e	26 30	LZ	17	235.8		
		ePS	28 15	LR	28	1190.0		
		e	31 33	SZ	1.2	10.2		
		e	31 51	SZ	2.0	83.3		
		eL	47 20	LZ	37	1949.5		
20	LC=	eP	06 19 35.0	SZ	1.5	6.7	111.7	
		ePP	20 29	LZ	30	249.0		
		ePS	30 00	LR	30	1237.9		
		ePKKP	30 49.0	SZ	1.1	50.9		
		eSS	35 52	LR	21	436.7		
		e	46 30	LR	28	1252.6		
		eL	52 45	LR	30	2014.3		
20	RK=	eP	06 19 48.0	SZ	0.6	3.3	114.7	
		ePKKP	30 24	SZ	0.5	2.0		
		eSP	30 25	LZ	22	1165.8		
		e	30 57	ST	0.5	17.5		
		eL	54 55	LZ	28	2340.3		
20	HW=	e	06 21 05	LZ	20	464.3	67.6	
		eL	29 45	LZ	40	1722.0		
20	JE=	eL	06 58 05	LZ	26	796.3	123.8	
20	DH=	eL	07 05 55	LZ	27	2348.1	130.2	
20	MN=	eP	06 10 05.7	SZ	0.9	3.8		
20	LC=	eP	06 43 07.0	SZ	1.0	3.4		
20			09 28 38.5	60.2 N 147.4 W ALASKA AFTERSHOCK H= 33 KM MAG 4.40 CGS				
20	MN=	eP	09 34 32.4	SZ	0.7	1.2	28.5	3.78

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	43 00	LZ	18.0	176.2		
20	RK=	eL	10 45 25	LZ	25.0	286.2		
20	HW=	eL	10 49 55	LZ	30	136.5		
20	JE=	eL	10 57 02	LZ	16	124.8		
20	LC=	eP	16 12 53.0	SZ	0.3	1.6	.3	
		eS	13 30	SZ	0.4	4.7		
20	RK=	eP	16 29 10.5	SZ	0.4	2.7	2.2	
		eS	29 39	SR	0.4	19.3		
20	RK=	eP	16 45 42.3	SZ	0.3	4.8	4.3	
		eS	46 34	SR	0.4	42.6		
20	LC=	eP	20 01 55.0	SZ	0.3	2.4	1.4	
		eS	02 13	SR	0.3	6.7		
20			21 03 18.*	45.9 N 151.7 E KURILE ISLANDS REGION H= 33 KM MAG 4.50 CGS				
20	LC=	eP	21 28 23.2	SZ	0.4	8.6	.6	
		eS	28 32	ST	0.5	31.8		
20			23 58 01.3	46.1 N 143.5 E SAKHALIN H=278 KM MAG 4.40 CGS				
21			01 11 23.4	60.4 N 145.9 W ALASKA AFTERSHOCK H= 15 KM MAG 4.60 CGS				
21	MN=	eP	01 17 16.0	SZ	1.2	16.6	28.1	4.71
		ePCP	20 30	SZ	1.0	2.5		
		e	20 38	LR	30	376.7		
		eLR	25 30	LZ	19	1669.0		
		eL	27 36	LR	16	1436.8		
		eL	27 36	LT	18	609.3		
		eL	27 36	LZ	17	1377.3		
21	RK=	eP	01 17 34.3	SZ	1.2	7.9	30.2	4.42
		e	27 27	SR	3.2	262.1		
21	LC=	eP	01 18 43.4	SZ	1.0	6.3	38.0	4.34
		eP	18 47	LZ	20	69.6		
		e	19 51	SZ	1.2	3.9		
		ePP	20 21	LZ	16	118.0		
		ePCS	24 50	LR	23	277.9		
		eLQ	28 15	LR	17	170.3		
		eLR	30 55	LZ	26	258.7		
21	JE=	eS	01 26 26	LR	18	299.4	45.2	
		e	30 09	LT	15	621.0		
		eLQ	33 57	LR	21	472.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	36 47	LR	20.0	3514.2		
		eL	36 47	LT	19	4579.7		
		eL	36 47	LZ	25	457.1		
		eLR	40 00	LZ	15	2516.8		
21	HW-	eL	01 30 20	LZ	20	545.9	41.0	
21	DH-	eL	01 33 27	LR	35	635.3	45.5	
							AVG.	4.49
21	RK-	e	01 23 23	LT	22	549.4		
21	RK-	eL	01 29 46	LZ	14	1530.0		
21	MN-	eP	08 42 21.3	SZ	0.2	6.7	.4	
		eS	42 27	ST	0.3	12.0		
21	11 41 03.1		43.1 N 141.8 E HOKKAIDO, JAPAN REGION H= 91 KM MAG 4.40 CGS					
21	MN-	eP	11 52 14.4	SZ	0.7	3.7	71.3	4.35
21	LC-	eP	11 53 16.0	SZ	0.9	2.9	82.2	4.16
		e	53 46	SZ	0.7	1.2		
							AVG.	4.25
21	13 31 50.9		60.2 N 147.2 W ALASKA AFTERSHOCK H= 33 KM MAG 4.20 CGS					
21	MN-	eP	13 37 43.8	SZ	0.7	2.4	28.5	4.08
		eL	46 14	LZ	19	201.0		
21	LC-	eP	13 39 11.8	SZ	1.0	2.5	38.5	3.94
21	RK-	eL	13 50 50	LZ	10	1082.2	30.9	
							AVG.	4.01
21	MN-	eP	13 53 18.6	SZ	0.7	1.2		
21	15 36 01.5		59. N 153.5 W ALASKA AFTERSHOCK H= 15 KM MAG 5.30 CGS					
21	MN-	eP	15 42 17.0	SZ	1.1	27.7	30.5	5.03
		eP	42 18	LZ	15	194.7		
		ePP	43 30	SZ	1.7	69.4		
		e	45 10	LR	24	845.3		
		ePCP	45 13	SZ	0.9	5.7		
		eSCP	48 54	SZ	1.4	17.8		
		eLQ	49 05	LT	999 9	9999.9		
		eLR	50 43	LZ	24	3088.0		
		eSCS	52 54	ST	2.5	62.3		
21	RK-	eP	15 42 48.0	SZ	0.7	5.1	34.3	4.55

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	42 50	SZ	0.7	53.8		
		eP	42 50	LZ	10	2074.3		
		ePP	44 02	ST	1.2	85.0		
		ePCS	49 30	LT	28	2557.5		
		eL	52 48	LZ	22	2995.7		
		eL	54 13	SR	3.2	524.3		
21	LC-	eP	15 43 45.5	SZ	1.3	49.1	40.9	5.08
		eP	43 46	LZ	10	512.8		
		e	48 52	SZ	1.7	26.6		
		ePCS	49 30	LR	21	275.0		
		eSCP	49 33	SZ	1.2	5.9		
		e	51 52	LR	17	418.7		
		eL	53 20	LZ	20	595.8		
21	JE-	eP	15 44 47.0	SZ	1.1	67.9	48.8	5.59
		eP	44 47	LZ	14	263.5		
		e	47 09	LZ	13	456.7		
		eS	52 00	LR	13	1862.7		
		e	56 05	LZ	19	1592.0		
		eL	16 00 00	LZ	40	2266.1		
21	HW-	eS	15 49 26	LR	18	1159.1	39.0	
		eL	52 08	LR	17	2658.1		
		eL	53 55	LR	18	5464.4		
		eL	53 55	LT	14	8490.0		
		eL	53 55	LZ	30	1651.3		
							AVG.	5.06

21 16 26 38.* 57. N 152.9 W ALASKA AFTERSHOCK
H= 33 KM MAG 3.80 CGS

21	LC-	eP	18 55 55.1	SZ	0.9	2.9		
21	LC-	eLQ	19 06 50	LR	23	141.9		
21	LC-	eLR	19 08 45	LZ	20	162.5		
21	LC-	eP	20 58 48.8	SZ	0.2	10.9	1.5	
		eS	59 08	SR	0.3	10.9		
21	RK-	eP	21 07 30.5	SZ	0.2	2.4		
21	RK-	e	21 07 33	SZ	0.3	8.2		
21	RK-	eS	21 08 04	SR	0.4	66.4		

21 22 30 11. 59.3 N 145.3 W ALASKA AFTERSHOCK
H= 38 KM MAG 4.10 CGS

21 22 32 33.9 17.5 N 83.9 W CARIBBEAN SEA
H= 33 KM MAG 4.90 CGS

21	JE-	eP	22 36 16.5	SZ	1.2	67.7	16.0	4.68

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	36 17	LZ	16.0	725.9		
		e	39 40	LZ	16	725.9		
		eL	40 45	LZ	28	2373.2		
21	LC=	eP	22 37 58.5	SZ	1.0	12.7	25.3	4.50
		eP	37 59	LZ	12	437.2		
21	DH=	eP	22 38 05.7	SZ	0.8	95.4	25.8	5.45
21	RK=	eP	22 39 17.1	SZ	0.8	67.1	34.2	5.60
		ePP	40 25.0	SZ	1.0	46.3		
21	MN=	eP	22 39 38.5	SZ	1.4	19.8	36.4	4.76
		eS	45 13	LT	17	546.9		
		eSS	48 03	LT	18	452.0		
		eL	51 38	LZ	26	610.0		
		eL	57 05	LT	18	1474.2		
		eL	57 05	LR	21	424.3		
		eL	57 05	LZ	19	804.3		
							AVG.	4.99
21	LC-	eS	22 42 30	LR	17	1078.7		
21	LC-	eL	22 44 50	LZ	30	537.0		
21	23 10 49.		44.5 N 149.6 E KURILE ISLANDS H= 45 KM MAG 4.70 CGS					
21	MN-	eP	23 21 30.9	SZ	0.8	.9	65.8	3.96
		e	21 46	SZ	1.0	8.3		
21	RK-	eP	23 21 58.0	SZ	1.0	25.7	70.4	5.18
		e	22 10	SZ	1.0	20.6		
21	LC-	eP	23 22 37.0	SZ	0.6	1.0	76.8	4.02
21	HW-	eL	23 38 16	LZ	17	589.3	51.2	
							AVG.	4.38
22	00 26 44.8		34.7 S 179.6 W KERMADEC ISLANDS REGION H= 58 KM MAG 4.50 CGS					
22	MN-	eL	01 09 23	LT	27.0	353.4	92.4	
22	JE-	eL	01 18 37	LZ	25	311.5	105.5	
22	LC-	eSS	00 58 10	LR	23.0	428.1	95.6	
		eLQ	01 06 21	LR	31	770.3		
		eLR	10 57	LZ	30	150.2		
22	02 38 23.5		33.2 N 116.7 W SAN DIEGO COUNTY, CALIFORNIA H= 33 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	04 59 26.2		20.3 S 169.4 E LOYALTY ISLANDS H=144 KM MAG 4.70 CGS					
22	04 59 26.2		20.3 S 169.4 E LOYALTY ISLANDS H=144 KM MAG 4.70 CGS					
22	05 12 32.7		28. N 16.1 W CANARY ISLANDS REGION H= 33 KM MAG 4.20 CGS					
22	05 38 40.4		27.7 N 16.0 W CANARY ISLANDS REGION H= 34 KM MAG 4.40 CGS					
22	NP=	eP	05 49 25.4	SZ	0.9	3.6	66.4	4.50
22	10 03 42.*		2.7 N 124.8 E CELEBES SEA H=201 KM MAG 4.90 CGS					
22	12 11 49.3		41.9 N 112.1 W IDAHO UTAH BORDER H= 33 KM					
22	NP=	eL	12 56 10	LZ	20.0	718.5		
22	HW=	e	13 01 09	LZ	24	309.0		
22	MN=	eL	13 04 45	LT	25	229.8		
22	RK=	e	13 05 42	LZ	14	737.8		
22	HW=	eLR	13 05 58	LZ	30	465.9		
22	JE=	e	13 06 40	LR	15	537.6		
22	LC=	eL	13 07 34	LZ	24	163.5		
22	RK=	eLR	13 09 46	LR	26	1950.6		
22	JE=	e	13 12 15	LR	22	509.1		
22	LC=	eLR	13 16 00	LZ	26	1011.2		
22	JE=	e	13 20 41	LR	20	3603.7		
22	14 07 12.*		8.3 N 126.3 E MINDANAO, PHILIPPINE ISLANDS H=121 KM MAG 4.60 CGS					
22	NP=	eP	14 19 48.7	SZ	0.9	12.6	87.6	4.90
22	LC=	eP	16 23 42.6	SZ	0.6	2.6		
22	RK=	eP	17 25 23.3	SZ	0.2	2.4	1.1	
		eS	25 38	SR	0.2	5.3		
22	LC-	eP	20 55 26.1	SZ	0.2	2.4	1.3	
		eS	55 43	ST	0.4	3.0		
22	LC-	eL	21 02 47	SR	0.9	1.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	HW-	eP	21 51 26.9	SZ	0.2	75.5	3	
		eS	51 32	ST	0.3	93.1		
23	00 11 56.*		15. N 56.0 E ARABIAN SEA					
			H= 33 KM					
23	MN-	eP	00 30 57.1	SZ	0.8	1.9	126.6	
23	00 17 07.5		14.6 N 56.3 E ARABIAN SEA					
			H= 33 KM					
23	MN-	eP	00 36 11.9	SZ	0.7	4.5	127.0	
23	RK-	eL	01 20 11	LR	23.0	120.3		
23	JE-	eL	01 22 40	LZ	32	233.7		
23	MN-	eL	01 26 55	LZ	34	338.6		
23	01 57 32.2		28.1 N 110.6 W NEAR COAST OF SONORA, MEXICO					
			H= 33 KM MAG 4.70 CGS					
23	LC-	eP	01 58 56.7	SZ	0.5	2.4	5.5	4.03
		e	02 00 17	SR	0.7	5.6		
		eL	00 45	SR	0.6	2.1		
23	06 29 24.*		57.3 N 150.7 W ALASKA AFTERSHOCK					
			H= 20 KM MAG 4.50 CGS					
23	MN-	eP	06 35 20.6	SZ	0.6	3.1	28.4	4.28
23	RK-	eP	06 36 00.7	SZ	0.7	6.3	33.2	4.64
							AVG.	4.46
23	06 45 21.*		11.7 N 86.6 W NEAR WEST COAST OF NICARAGUA					
			H= 93 KM MAG 4.60 CGS					
23	MN-	eP	06 52 39.8	SZ	0.9	3.8	38.7	4.31
23	JE-	eL	06 58 03	LZ	18	243.9	20.6	
23	DH-	eL	07 05 55	LZ	30	1142.6	32.1	
23	RK-	eL	07 10 00	LR	17	312.8	39.5	
23	LC-	e	07 08 10	LR	19.0	450.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	LC-	e	07 10 42	LR	20.0	108.6		
23	LC-	e	07 16 50	LR	28	461.2		
23	11 22 33.3		28.6 N 139.4 E BONIN ISLANDS REGION					
			H=409 KM MAG 5.10 CGS					
23	HW-	eP	11 31 54.5	SZ	0.6	160.9	59.2	5.63
23	MN-	eP	11 34 08.4	SZ	0.6	9999.9	81.6	
		e	35 45	SZ	1.1	19.5		
		eSKS	43 44	ST	1.4	7.8		
23	RK-	eP	11 34 39.3	SZ	0.8	45.5	88.1	5.35
		eSKS	44 25	ST	1.7	42.9		
		eS	44 43	ST	1.3	34.6		
23	LC-	eP	11 35 02.4	SZ	0.7	19.7	92.8	5.23
		ePP	38 49	SZ	1.4	15.7		
							AVG.	5.40
23	RK-	eP	11 31 29.0	SZ	0.4	1.7		
23	RK-	eL	11 33 02	ST	1.0	18.0		
23	LC-	eP	11 33 07.4	SZ	0.7	2.6		
23	LC-	eL	15 08 02	SR	0.7	1.8		
23	MN-	eL	15 42 00	LZ	30	365.5		
23	LC-	eL	15 51 40	LR	29	209.4		
23	JE-	eL	16 02 50	LZ	20	134.7		
23	16 42 06.1		16. S 69.0 W PERU BOLIVIA BORDER REGION					
			H=231 KM MAG 4.10 CGS					
23	RK-	e	17 21 37	SZ	0.8	4.5		
23	MN-	eP	18 35 52.8	SZ	0.4	1.7	1.1	
		eS	36 08	SR	0.4	4.7		
23	DH-	eP	20 00 41.0	SZ	0.3	7.7	.8	
		eS	00 54	SR	0.4	26.3		
23	20 40 31.8		45.4 N 149.0 E KURILE ISLANDS					
			H=103 KM MAG 4.00 CGS					
23	21 31 03.4		18.4 S 69.2 W BOLIVIA CHILE BORDER REGION					
			H=128 KM MAG 4.70 CGS					
23	RK-	eP	21 42 05.5	SZ	0.8	7.5	72.2	4.55
23	MN-	eP	21 42 21.2	SZ	1.0	12.5	72.8	4.67

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.61
23	LC-	eP	21 41 14.5	SZ	0.2	7.5	1.4	
		eS	41 32	SR	0.3	6.7		
23	LC-	eP	21 47 08.0	SZ	0.8	1.5		
23	LC-	eL	21 48 50	LZ	17	133.3		

24 00 00 50.2 30.1 N 82.1 E NEPAL
H= 33 KM MAG 5.10 CGS

24 00 40 21.9 60.2 N 148.0 W ALASKA AFTERSHOCK
H= 15 KM MAG 4.90 CGS

24 03 06 08.* 39.4 S 70.7 W NEUQUEN PROVINCE, ARGENTINA
H= 33 KM MAG 4.00 CGS

24 04 13 05.3 22.6 S 174.1 W TONGA ISLANDS REGION
H= 33 KM MAG 5.70 CGS

24 06 52 44.4 59.7 N 148.5 W ALASKA AFTERSHOCK
H= 20 KM MAG 4.60 CGS

24 09 04 57. 56.7 N 152.9 W ALASKA AFTERSHOCK
H= 33 KM MAG 4.00 CGS

24 10 16 21.5 59.9 N 145.5 W ALASKA AFTERSHOCK
H= 15 KM MAG 4.30 CGS

24 10 31 24.1 34.3 N 141.1 E NEAR E. COAST HONSHU, JAPAN
H= 33 KM MAG 5.20 CGS

24 14 33 11.9 34.4 N 141.0 E OFF EAST COAST HONSHU, JAPAN
H= 31 KM MAG 4.60 CGS

24 16 36 05.4 35.8 N 70.8 E HINDU KUSH
H=164 KM MAG 5.00 CGS

24 18 01 34.8 23.2 S 71.6 W OFF COAST OF NORTHERN CHILE
H= 33 KM MAG 4.50 CGS

24 19 27 11. 37.6 N 141.0 E NEAR E. COAST HONSHU, JAPAN
H= 98 KM MAG 4.20 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24			20 32 36.3					

19.1 S 177.9 W FIJI ISLANDS
H=441 KM MAG 3.60 CGS

24 20 54 26.6 53. N 168.7 W FOX ALEUTIAN ISLANDS
H= 62 KM MAG 4.20 CGS

24 20 57 38.3 15.9 S 167.6 E NEW HEBRIDES ISLANDS
H= 29 KM MAG 4.40 CGS

24 22 22 27.6 37. S 177.8 E NEAR NORTH IS., NEW ZEALAND
H=149 KM MAG 4.80 CGS

25	MN-	eP	00 15 16.5	SZ	0.4	1.1	1.9	
		eS	15 43	ST	0.4	5.6		
		eP	26 03.4	SZ	0.5	1.8		
		eS	26 29	ST	0.4	3.9		
25	MN-	eP	00 27 47.6	SZ	0.5	3.6	1.8	
		eS	28 13	ST	0.4	11.9		

25 02 22 57.* 19.8 N 104.8 W JALISCO, MEXICO
H= 33 KM MAG 3.40 CGS

25 04 59 39.6 30.6 S 178.0 W KERMADEC ISLANDS
H= 33 KM MAG 4.30 CGS

25 08 32 49. 15.7 S 174.9 W TONGA ISLANDS REGION
H=269 KM MAG 4.50 CGS

25	MN-	eP	08 44 06.4	SZ	0.9	8.7	75.6	4.49
25	LC-	eP	08 44 35.8	SZ	0.9	19.9	80.9	4.91
							AVG.	4.70
25	MN-	eP	09 04 59.8	SZ	0.4	3.9	1.2	
		eS	05 15	ST	0.3	12.3		
		eP	11 51.5	SZ	0.4	4.7		
		eS	12 07	ST	0.4	11.9		

25 10 58 51.2 52.5 N 167.2 W FOX ALEUTIAN ISLANDS
H= 33 KM MAG 4.20 CGS

25	NP-	eP	13 14 45.2	SZ	0.8	3.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	NP-	e	13 14 53	SZ	0.8	7.1		
25	13 20 32.*		84.4 N 103.9 E ARCTIC OCEAN H= 33 KM MAG 4.50 CGS					
25	NP-	eP	15 49 32.0	SZ	0.7	3.1		
25	NP-	eP	17 09 06.8	SZ	0.5	1.1		
25	NP-	eP	17 18 52.0	SZ	0.5	2.2		
25	19 44 07.		9.1 S 88.9 E INDIAN OCEAN H= 33 KM MAG 5.50 CGS					
25	NP-	eP	20 02 51.3	SZ	1.1	2.7	111.1	
25	RK-	e	20 03 04	SZ	0.5	3.8	138.3	
		ePP	06 15	SZ	1.6	26.5		
		eL	39 40	LT	32	2752.3		
25	MN-	eP	20 03 34.5	SZ	0.7	4.0	142.0	
25	LC-	ePP	20 07 45	LZ	25	126.6	152.7	
		ePPP	11 15	LZ	21	156.3		
		e	17 22	LZ	25	205.7		
		eSS	27 13	LR	35	859.9		
		eL	56 40	LZ	30	394.4		
25	HW-	eSP	20 14 05	LZ	23	377.7	116.9	
		eSPP	15 20	LZ	20	389.9		
		eL	46 40	LZ	20	311.9		
25	LC-	eP	20 00 03.1	SZ	0.5	3.9		
25	20 23 32.1		38. N 21.2 E IONIAN SEA H= 77 KM MAG 4.10 CGS					
25	LC-	eP	21 29 07.0	SZ	0.4	16.0	1.4	
		eS	29 24	SR	999.9	9999.9		
25	NP-	eL	23 45 48	LZ	25	1947.2		
25	MN-	eL	23 54 10	LZ	25	468.5		
26	JE-	eL	00 02 38	LZ	35	1590.3		
26	LC-	eL	02 15 40	LZ	25	79.1		
26	02 37 04.8		2.9 S 130.3 E CERAM SEA H= 33 KM					
26	NP-	eP	02 44 20.5	SZ	0.5	31.9	1.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	RK-	eS eL	44 33 04 49 34	SR LR	0.4 25	25.3 553.8		
26	05 33 45.*		60.3 N 145.5 W ALASKA AFTERSHOCK H= 33 KM MAG 4.30 CGS					
26	NP-	eP	05 37 58.0	SZ	0.9	49.9	18.4	4.72
26	RK-	eP	05 39 02.1	SZ	0.9	15.7		
26	RK-	eP	06 26 51.0	SZ	0.6	3.2		
26	09 40 57.9		16.5 N 145.9 E MARIANA ISLANDS REGION H= 94 KM MAG 5.50 CGS					
26	NP-	eP	09 52 30.5	SZ	1.0	22.3	75.2	4.96
26	MN-	eP	09 53 22.6	SZ	0.5	4.6	84.5	4.68
							AVG.	4.82
26	RK-	eP	10 14 21.5	SZ	0.8	4.5		
26	MN-	eP	10 14 35.0	SZ	0.6	.6		
26	10 59 12.3		56.2 S 27.8 W SANDWICH ISLANDS H=120 KM MAG 7.62 CGS					
26	JE-	eP	11 13 02.0	SZ	0.9	52.5	103.2	6.37
		eP	13 05	LZ	20	7464.1		
		e	16 01	SZ	2.0	305.1		
		e	16 33	SZ	2.0	610.3		
		eSKS	23 27	SR	1.1	527.3		
26	DH-	ePD	11 13 14	SZ	0.9	15.3	105.8	
		ePD	13 18	LZ	20	5748.7		
		e	16 51	SZ	1.5	117.1		
		ePP	17 43	SZ	1.2	199.2		
		eSKS	23 42	SR	2.2	1293.2		
		ePKKP	28 47	SZ	1.2	76.6		
26	LC-	ePD	11 13 34	SZ	1.2	30.5	110.5	
		ePD	13 38	LZ	999 9	9999.9		
		eSKS	24 08	ST	2.8	483.2		
		e	25 04	ST	3.5	1576.5		
		ePKKP	28 30	SZ	0.9	7.1		
		e	31 46	SZ	1.0	35.7		
26	RK-	ePD	11 14 22	SZ	0.6	5.3	119.8	
		ePD	14 23	LZ	18	4529.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePi	17 45.0	SZ	0.5	9.6		
		e	19 20	SZ	2.0	1025.6		
		eSKP	21 18	SZ	1.0	282.0		
		eSKS	24 36	ST	1.1	135.8		
		ePKKP	27 59	SZ	0.8	42.4		
26	MN-	ePD	11 14 30	LZ	20	3033.4	121.1	
		ePi	17 50.5	SZ	1.5	9.5		
		ePKS	21 24	SR	1.1	112.8		
		e	24 47	SZ	2.0	264.6		
		eSKS	24 50	SR	3.0	1425.9		
		e	26 13	SZ	4.1	4290.5		
		e	26 44	SR	3.3	1496.2		
		e	27 57	ST	1.0	44.4		
		e	35 31	ST	2.3	380.8		
26	HW-	ePD	11 14 56	LZ	23	2568.8	127.2	
		ePi	18 03.9	SZ	1.0	160.0		
		ePi	18 05	LZ	20	4991.1		
		eSKP	21 14	SZ	1.0	160.0		
26	NP-	ePD	11 16 16	LZ	24	1840.0	144.0	
		ePi1	18 29.5	SZ	0.8	126.2		
		ePi1	18 30	LZ	999 9	9999.9		
		e	25 50	SZ	3.8	6355.2		
		e	26 25	SZ	1.8	594.2		

26 11 52 27.9 8.4 N 77.0 W PANAMA
H= 26 KM MAG 5.10 CGS

26	NP-	eP	12 03 47.0	SZ	0.7	4.9	71.6	4.67
26	LC-	eP	11 56 16.0	SZ	1.0	6.6		
26	NP-	eP	12 01 32.2	SZ	0.8	16.8		

26 12 23 28.* 56.1 S 27.7 W SANDWICH ISLANDS
H=149 KM MAG 5.40 CGS

26	DH-	eP	14 44 51.5	SZ	0.4	13.7	1.8	
		eS	45 15	SR	0.4	52.8		

26 15 42 34. 56.1 S 27.4 W SANDWICH ISLANDS
H= 82 KM MAG 5.40 CGS

26	NP-	ePi1	16 01 56.5	SZ	0.8	30.8	144.0	
26	NP-	eP	17 27 22.9	SZ	0.4	18.0	1.2	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	27 38	SR	0.4	9.4		
26	LC-	eP	20 02 48.0	SZ	0.3	9.4	1.4	
		eS	03 06	ST	0.4	2.2		
26	NP-	eP	21 03 23.4	SZ	0.3	10.5		
26	RK-	eP	21 32 35.5	SZ	0.8	6.0	2.5	
		eS	33 07	SR	0.4	21.4		

26 21 58 34.* 60.1 N 147.0 W ALASKA AFTERSHOCK
H= 33 KM MAG 4.10 CGS

26	NP-	eP	22 02 53.8	SZ	0.6	4.2	18.8	3.86
26	DH-	eL	23 25 28	LZ	25.0	949.5		

26 23 43 26.* 56.1 S 26.6 W SANDWICH ISLANDS
H=153 KM MAG 5.20 CGS

27	NP-	ePi1	00 02 42.0	SZ	1.2	23.0	144.2	
27	LC-	eL	00 40 09	LZ	11	245.9	111.1	

27 00 54 52. 15.6 S 167.8 E NEW HEBRIDES ISLANDS
H=157 KM

27 00 56 42.5 56.1 S 27.6 W SANDWICH ISLANDS
H=105 KM MAG 5.60 CGS

27	MN-	ePi	01 15 24.0	SZ	0.5	5.8	121.1	
		eSKP	18 47	SZ	1.5	83.8		
		e	22 13	SZ	1.3	6.2		
		ePKKP	25 27	SZ	1.1	9.0		
		ePSP	28 19	SZ	1.4	5.8		
27	HW-	ePi	01 16 01	LZ	14	394.8	127.3	
		e	35 30	LZ	23	818.4		
		eL	56 00	LZ	30	1535.7		
27	RK-	ePP	01 16 47	LZ	10	2053.9	119.8	
		eSP	26 24	LZ	21	971.3		
		eL	52 09	LZ	26	885.3		
27	JE-	eSKS	01 21 00	LR	20	2012.0	103.2	
		eSP	23 41	LZ	19	1942.0		
		eL	45 59	LZ	43	6349.4		
27	DH-	ePS	01 24 10	LT	25	611.0	105.8	
		eSS	29 41	LT	35	1298.3		
		eL	55 24	LT	22	1068.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	LC-	ePKKP	01 26 03	SZ	1.1	9.7	110.6	
27	RK-	eL	00 59 29	LZ	12.0	727.8		
27	LC-	eP	01 11 04.5	SZ	0.5	1.4		
27	LC-	eL	01 15 15	SR	2.0	16.2		
27	LC-	eP	01 18 27.2	SZ	1.5	19.4		
27	LC-	eL	01 21 31	ST	1.9	22.1		
27	04 22 38.		14.6 N 93.5 W OFF COAST OF CHIAPAS, MEXICO H= 63 KM MAG 4.40 CGS					
27	LC-	eP	04 27 21.9	SZ	0.9	18.3	21.4	4.42
		eL	35 20	LZ	15	254.7		
27	MN-	eP	04 29 03.7	SZ	1.0	10.5	32.2	4.61
		e	33 24	LR	35	540.7		
		eL	39 02	LT	24	483.5		
							AVG.	4.51
27	MN-	eP	04 31 33.2	SZ	0.4	9999.9	.6	
		eS	31 42	SR	0.6	9999.9		
27	06 16 09.*		16.9 S 70.2 W SOUTHERN PERU H=116 KM MAG 3.80 CGS					
27	06 30 57.7		56.2 S 27.4 W SANDWICH ISLANDS H=116 KM MAG 5.80 CGS					
27	MN-	eP'	06 49 38.7	SZ	0.6	7.1	121.3	
		e	51 53	SR	1.5	9.9		
		eSKP	53 03	SZ	1.1	5.0		
27	LC-	eSP	06 59 18	LZ	15	291.0	110.7	
		e	07 07 25	LZ	12	217.5		
27	RK-	eL	07 29 05	LZ	37	972.8	119.9	
27	08 14 42.*		6.7 S 130.6 E BANDA SEA H= 33 KM MAG 5.00 CGS					
27	08 57 07.7		25.7 S 178.4 W FIJI ISLANDS REGION H=274 KM MAG 3.90 CGS					
27	09 50 03.*		55.9 S 27.4 W SANDWICH ISLANDS H= 52 KM MAG 5.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	11 06 22.		6.8 N 73.1 W NORTHERN COLOMBIA H=139 KM MAG 5.00 CGS					
27	LC-	eP	11 13 48.4	SZ	0.9	40.7	40.2	5.14
		epP	14 21	SZ	1.0	35.7		
		eSCP	19 24	SZ	1.0	7.9		
27	MN-	eP	11 15 15.2	SZ	0.6	4.0	51.4	4.44
							AVG.	4.79
27	11 20 26.8		18.4 S 173.1 W TONGA ISLANDS REGION H= 33 KM MAG 4.60 CGS					
27	MN-	eP	11 32 15.8	SZ	12.0	4990.0	76.5	6.42
27	LC-	eP	11 32 42.0	SZ	1.0	5.2	81.2	4.47
		eL	58 15	LZ	23	139.4		
27	HW-	eL	11 41 16	LZ	18	125.1	41.8	
27	RK-	eL	12 12 34	LZ	19	317.8	97.6	
							AVG.	5.44
27	13 51 28.3		14.5 N 145.2 E MARIANA ISLANDS H= 96 KM MAG 4.30 CGS					
27	LC-	eL	14 07 37	LZ	20.0	67.7		
27	15 48 17.3		21. S 174.5 W TONGA ISLANDS H= 33 KM MAG 4.10 CGS					
27	MN-	eP	16 00 25.3	SZ	1.0	3.2	79.3	4.23
		ePCP	00 34	SZ	0.9	8.1		
27	LC-	eP	16 00 53.0	SZ	0.6	1.1	83.8	4.17
		eL	29 10	LZ	8			
							AVG.	4.20
27	17 52 08.4		59.1 N 146.4 W ALASKA AFTERSHOCK H= 33 KM MAG 4.00 CGS					
27	RK-	eL	18 32 14	LZ	23.0	366.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	19 02 02.4		56.4 S 28.4 W SANDWICH ISLANDS H= 61 KM MAG 6.00 CGS					
27	LC-	eL	19 23 58	LZ	10.0	315.6		
27	20 48 44.9		22.3 S 66.3 W BOLIVIA ARGENTINA BRDR. REG. H= 94 KM MAG 3.90 CGS.					
27	LC=	eP	21 54 49.5	SZ	0.4	8.6	1.5	
		eS	55 09	ST	0.5	11.0		
27	MN=	eP	23 54 16.8	SZ	0.5	1.5	1.9	
		eS	54 43	SR	0.4	3.7		
28	HW=	eP	01 01 48.3	SZ	999.9	9999.9	.1	
		eS	01 50	SR	999.9	9999.9		
28	01 27 49.*		19.6 N 70.2 W DOMINICAN REPUBLIC H= 33 KM					
28	01 56 58.9		24.5 N 122.0 E NEAR EAST COAST OF TAIWAN H= 41 KM MAG 5.90 CGS					
28	MN-	eP	02 10 23.0	SZ	1.4	11.6	95.8	5.20
28	RK-	eL	02 43 48	LR	38	1169.2	98.7	
28	DH-	eL	02 47 30	LZ	40	532.0	111.8	
28	03 57 19.		16.8 S 177.7 W FIJI ISLANDS REGION H=388 KM MAG 4.40 CGS					
28	MN-	eP	04 08 38.8	SZ	0.8	2.8	78.3	4.06
28	06 27 32.8		15.5 N 93.1 W OFF COAST OF CHIAPAS, MEXICO H= 33 KM MAG 3.70 CGS					
28	06 32 54.*		7.8 N 126.8 E MINDANAO, PHILIPPINE ISLANDS H=103 KM MAG 4.70 CGS					
28	MN-	eP	08 42 31.5	SZ	999.9	9999.9	.6	
		eS	42 42	ST	0.4	14.1		
28	HW-	eL	11 36 05	LR	25	969.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	12 33 10.2		8 S 24.7 W MID ATLANTIC OCEAN H= 33 KM MAG 5.20 CGS					
28	RK-	eP	12 45 03.9	SZ	1.1	31.1	77.5	5.25
		eL	13 09 45	LZ	29	853.7		
28	LC-	eP	12 45 38.8	SZ	0.8	6.8	83.6	4.84
28	MN=	eP	12 46 24.0	SZ	2.1	24.0	93.2	5.22
28	DH=	eL	13 02 10	LZ	25	1303.2	62.2	
							AVG.	5.10
28	12 49 57.5		13.4 S 74.9 W SOUTHERN PERU H=103 KM MAG 5.20 CGS					
28	LC-	eP	12 59 18.0	SZ	1.0	25.9	54.7	5.20
28	DH-	eP	12 59 22.5	SZ	1.0	160.0	55.4	5.99
28	MN-	eP	13 00 33.0	SZ	1.2	21.2	65.5	4.94
		e	14 35	LR	35	1301.4		
		eL	17 43	LZ	35	1280.2		
28	RK-	eP	13 00 33.6	SZ	0.8	53.7	66.0	5.52
28	HW-	eP	14 06 06.4	SZ	999.9	9999.9	AVG.	5.41
28	14 06 58.*		60.2 N 147.7 W ALASKA AFTERSHOCK H= 33 KM MAG 3.70 CGS					
28	RK-	eP	16 16 19.3	SZ	0.4	6.9	4.3	
		eS	17 10	SR	0.5	49.1		
28	16 18 04.2		58.3 N 150.6 W ALASKA AFTERSHOCK H= 25 KM MAG 5.40 CGS					
28	MN-	eP	16 24 02.9	SZ	1.0	28.5	28.9	5.00
		e	29 34	LR	18	314.3		
		eL	32 20	LZ	23	842.7		
28	RK-	eP	16 24 38.0	SZ	0.8	44.8	32.9	5.42
		e	30 33	LR	20	346.9		
		eL	35 40	LZ	20	1043.9		
28	LC-	eP	16 25 33.3	SZ	1.1	41.5	39.3	5.04
		e	25 41	SZ	1.1	35.1		
28	DH-	eL	16 44 32	LZ	17	1070.2	48.3	
							AVG.	5.15

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	LC-	eP	16 35 41.5	SZ	0.4	1.7	2.5	
		eS	36 13	SR	0.4	3.8		
28	17 51 13.*		1.8 S 103.3 W WEST OF GALAPAGOS ISLANDS H= 33 KM MAG 4.20 CGS					
28	MN-	eP	18 21 04.8	SZ	0.4	2.5	1.0	
		eS	21 18	ST	0.4	3.1		
28	MN-	eP	19 29 04.5	SZ	0.3	16.8		
28	LC-	eP	20 13 36.4	SZ	0.4	17.8	1.3	
		eS	13 54	ST	0.4	9.7		
28	21 09 09.5		3.6 S 102.7 W WEST OF GALAPAGOS ISLANDS H= 33 KM MAG 4.50 CGS					
28	MN-	eL	21 31 08	LT	21.0	436.2	44.2	
28	DH-	eL	21 32 50	LZ	55	2734.5	52.1	
28	RK-	eL	21 40 40	LZ	20	901.6	54.8	
28	MN-	eP	22 33 43.8	SZ	0.4	3.0	3.0	
		eS	34 21	SR	0.5	8.0		
28	23 28 27.9		1.6 N 127.2 E MOLUCCA PASSAGE H=103 KM MAG 6.30 CGS					
28	LC-	eP'	23 47 07.5	SZ	1.0	12.9	119.0	
29	01 11 10.4		37.3 N 114.8 W SOUTHERN NEVADA H= 33 KM MAG 3.60 CGS					
29	02 47 38.		53.7 N 167.8 W FOX ALEUTIAN ISLANDS H= 33 KM MAG 4.70 CGS					
29	03 34 51.8		60.1 N 146.5 W ALASKA AFTERSHOCK H= 15 KM MAG 4.70 CGS					
29	05 08 02.2		44.7 N 149.4 E KURILE ISLANDS H= 50 KM MAG 4.70 CGS					
29	05 35 10.6		32.4 S 67.3 W SAN JUAN PROVINCE, ARGENTINA H=132 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	07 22 01.2		21.9 S 171.5 E LOYALTY ISLANDS REGION H= 33 KM					
29	09 04 27.1		56.2 S 27.7 W SANDWICH ISLANDS H= 33 KM MAG 5.80 CGS					
29	10 17 34.5		60.2 N 146.3 W ALASKA AFTERSHOCK H= 5 KM MAG 5.60 CGS					
29	12 25 16.9		18.6 S 177.8 W FIJI ISLANDS H=462 KM MAG 4.20 CGS					
29	14 45 50.*		56.1 S 27.9 W SANDWICH ISLANDS H=170 KM MAG 5.20 CGS					
29	15 33 06.*		56.3 S 28.0 W SANDWICH ISLANDS H=120 KM MAG 5.70 CGS					
29	18 35 02.3		26.2 S 178.3 E FIJI ISLANDS REGION H=614 KM MAG 5.40 CGS					
29	18 42 19.3		26.2 S 178.3 E FIJI ISLANDS REGION H=605 KM MAG 3.90 CGS					
29	19 01 57.		26.1 S 178.3 E FIJI ISLANDS REGION H=613 KM MAG 4.10 CGS					
29	20 09 01.*		5 S 134.7 E HALMAHERA REGION H= 33 KM MAG 5.10 CGS					
30	JE-	eL	00 42 00	LZ	20.0	174.3		
30	03 18 08.3		59.5 N 148.5 W ALASKA AFTERSHOCK H= KM MAG 5.50 CGS					
30	NP-	eP	03 22 39.8	SZ	1.1	45.8	19.7	4.62
		eS	26 25	ST	2.2	148.0		
30	MN-	tP	03 24 06.1C	SZ	0.7	12.1	28.6	4.84
		ePCP	27 16.0	SZ	0.6	7.1		
		eSCP	30 54	SZ	1.2	6.2		
		eLQ	30 55	LT	25	997.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	31 40	LT	25.0	997.0		
		eL	31 40	LR	23	245.9		
		eL	31 40	LZ	18	102.7		
		eLR	32 42	LZ	20	718.5		
30	RK-	eP	03 24 33.2	SZ	0.6	53.6	31.6	5.65
		eS	30 00	LT	25	256.2		
		eS	30 00	LR	26	165.1		
		eLR	34 15	LR	25	1038.5		
		eL	35 00	LR	25	1038.5		
		eL	35 00	LT	25	465.8		
30	LC-	iP	03 25 35.2C	SZ	1.0	71.2	38.8	5.27
		e	31 49	LT	21			
		eLQ	34 15	LT	15			
		eLR	38 22	LR	23	401.5		
		eL	40 45	LT	18			
		eL	40 45	LR	18	440.0		
		eL	40 45	LZ	18	687.5		
30	JE-	eP	03 26 35.8	SZ	1.0	70.7	46.3	5.68
		eL	41 20	LZ	30	292.9		
30	DH-	eP	03 26 40.2	SZ	0.9	30.7	46.9	5.42
		ePCP	28 11	SZ	0.6	16.7		
		e	37 02	LR	18	208.8		
		eL	41 00	LR	22	341.4		
							AVG.	5.24
30	NP-	eP	06 42 39.2	SZ	0.6	3.0		
30	MN-	eP	07 54 17.7	SZ	0.3	7.2	.1	
		eS	54 22	ST	0.3	19.8		
30	LC-	eP	10 15 08.6	SZ	0.9	.9		

30 14 30 45.3 36.2 N 141.1 E NEAR E. COAST HONSHU, JAPAN
H= 49 KM MAG 5.40 CGS

30	HW-	e	14 40 30	LT	20	606.0	57.1	
		eS	48 20	LT	24	6148.2		
30	NP-	eP	14 40 30.0	SZ	1.0	138.2	57.4	5.94
		eP	40 32	LZ	14	1676.2		
		eS	48 24	ST	2.7	305.2		
		eS	48 25	LR	26			
		eS	48 25	LT	23	3350.3		
		eLQ	15 00 00	LR	29			
		eLR	02 45	LT	23	4873.2		
		eL	05 55	LT	20	14.1U		
		eL	05 55	LR	21	U		
		eL	05 55	LZ	21	6978.6		
30	MN-	eP	14 42 28.0	SZ	0.5	4.9	75.8	4.74
		eP	42 30	LZ	19	704.8		
		eS	52 08	ST	2.5	135.1		
		eS	52 10	LT	19	3685.8		
		eS	52 10	LR	20	1592.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	52 31	SR	2.6	116.6		
		eSS	57 05	LT	20	1315.5		
		eLQ	15 01 55	LT	35	6251.4		
		eLR	05 55	LZ	28	8172.6		
		eL	08 25	LR	22	4962.7		
		eL	08 25	LT	23	1986.8		
		eL	08 25	LZ	24	4980.5		
30	RK-	eP	14 42 54.5	SZ	1.2	50.2	80.9	5.32
		eS	52 57	SR	3.0	261.7		
		eS	52 57	ST	2.3	92.3		
		eS	52 57	LR	24	2135.3		
		eS	52 57	LT	20	987.2		
		eSS	57 50	LR	24	2725.9		
		eLR	15 08 00	LT	24	871.2		
30	LC-	eP	14 43 27.0	SZ	1.8	43.1	86.9	5.27
		eP	43 30	LZ	14	856.3		
		ePP	46 47	SZ	2.2	43.7		
		eSKS	53 52	LT	999 9			
		ePS	55 00	LR	24	2113.4		
		eSS	15 00 00	LT	999 9			
		eSSS	03 25	LT	999 9			
		eLR	11 30	LZ	999 9	9999.9		
30	JE-	e	14 47 10	LZ	15	392.3	96.0	
		e	50 50	LZ	15	677.6		
		eL	15 19 00	LZ	40	3526.2		
30	DH-	eSKS	14 54 42	LR	23	1707.2	95.3	
		eSS	15 01 50	LR	24	1187.6		
		eL	20 00	LZ	27	3234.1		
							AVG.	5.31
30	RK-	eP	16 03 08.5	SZ	0.2	7.1	4.1	
		eS	03 58	SR	0.3	28.5		

30 17 20 37.6 41.3 N 141.9 E NEAR E. COAST HONSHU, JAPAN
H= 57 KM MAG 4.80 CGS

30	NP-	eP	17 29 45.0	SZ	1.0	24.8	52.3	5.15
30	MN-	eP	17 31 58.3	SZ	0.9	4.3	72.3	4.42
30	RK-	eP	17 32 19.8	SZ	0.8	5.9	76.2	4.60
		e	36 51	SZ	0.7	11.2		
		e	37 15	SZ	0.7	10.0		
30	LC-	eP	17 32 59.3	SZ	1.2	9.9	83.3	4.75
							AVG.	4.73

30 17 23 17.3 9.3 N 126.4 E NEAR E. CST. MINDANAO, P. I.
H= 91 KM MAG 5.30 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	NP-	eP	17 35 52.8	SZ	0.8	26.6	86.6	5.30
30	NP-	eP	18 23 42.8	SZ	0.9	4.7		
30	MN-	eP	18 36 31.1	SZ	0.2	3.8	3.6	
		eS	37 16	ST	0.3	27.6		
30	19 24 41.3		28.4 S 69.8 W CHILE ARGENTINA BORDER REG.					
			H= 84 KM MAG 4.20 CGS					
30	LC-	eP	19 35 44.6	SZ	0.8	3.0	69.9	4.23
30	DH-	eP	19 35 48.8	SZ	0.8	11.8	70.4	4.82
		e	36 13	SZ	1.3	76.9		
							AVG.	4.52
30	19 48 08.*		53.5 N 170.6 W FOX ALEUTIAN ISLANDS					
			H= 97 KM MAG 4.30 CGS					
30	20 02 22.*		14.6 N 91.8 W NEAR COAST OF GUATEMALA					
			H= 23 KM MAG 3.70 CGS					
30	MN-	eP	20 09 00.0	SZ	0.7	2.0	33.2	4.14
30	MN-	eL	21 49 00	LZ	22.0	732.8		
30	22 34 33.3		56.6 N 152.3 W ALASKA AFTERSHOCK					
			H= 15 KM MAG 4.70 CGS					
30	NP-	eP	22 39 40.2	SZ	1.0	108.1	23.1	5.31
30	MN-	eP	22 40 33.1	SZ	0.9	6.2	28.9	4.41
30	RK-	eP	22 41 19.0	SZ	0.8	4.4	34.2	4.43
		eL	51 10	LT	18	434.0		
30	LC-	eP	22 42 06.0	SZ	1.0	5.1	39.6	4.15
30	JE-	eL	23 02 28	LR	20	1240.3	47.9	
							AVG.	4.57
30	NP-	eP	23 02 00.0	SZ	1.0	3.5		
31	00 40 36.4		43.5 N 146.8 E KURILE ISLANDS					
			H= 48 KM MAG 6.30 CGS					
31	NP-	eP	00 49 19.2	SZ	999.9	9999.9	49.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	49 21	LZ	18.0	16.3U		
		eS	56 21	ST	1.5	230.1		
		eS	56 23	LT	25	23.1U		
		eSCS	59 09	ST	2.0	366.8		
		eSCS	59 10	LT	23	12.2U		
		eL	01 04 30	LZ	999 9	9999.9U		
31	HW-	e	00 49 50	LT	24	4780.9	53.1	
		eP	49 51.0	SZ	0.9	215.3		6.13
		eS	57 13	LT	999 9	9999.9		
31	MN-	eP	00 51 32.7	SZ	999.9	9999.9	68.0	
		eP	51 34	LZ	37	112.9U		
		eS	01 00 28	LT	999 9	9999.9U		
		eS	00 30	SR	3.5	9999.9U		
31	RK-	eP	00 51 57.8C	SZ	999.9	9999.9U	72.4	
		eP	52 00	LZ	23	2278.4		
		eS	01 01 15	LR	999 9	9999.9		
31	DH-	eP	00 53 12.0	SZ	999.9	9999.9	66.8	
		eP	53 12	LZ	22	3576.0		
		ePP	56 42	LZ	20	3980.7		
		eSKS	01 03 50	LR	999 9	9999.9		
31	JE-	eP	00 53 20	LZ	999 9	9999.9	87.8	
		eP	53 23.0	SZ	999.9	9999.9		
		e	01 03 48	LZ	999 9	9999.9		
31	LC-	eP	00 52 57.4	SZ	999.9	9999.9		
31	00 56 42.9		43.6 N 147.1 E OFF E. COAST HOKKAIDO, JAPAN					
			H= 33 KM MAG 4.60 CGS					
31	MN-	eP	01 19 13.3	SZ	1.0	3.2		
31	MN-	e	01 19 50	SZ	2.3	172.8		
31	04 54 11.1		30.6 S 70.8 W CHILE ARGENTINA BORDER					
			H= 69 KM MAG 4.40 CGS					
31	MN-	eP	06 27 04.6	SZ	0.5	18.4	.9	
		eS	27 17	SR	0.5	34.9		
31	MN-	eP	06 39 47.9	SZ	0.6	1.3	3.3	
		eS	40 28	ST	0.5	12.7		
31	10 24 54.*		53.7 N 158.7 E SOUTHERN KAMCHATKA					
			H=110 KM MAG 4.80 CGS					
31	NP-	eP	10 31 52.8	SZ	0.5	18.5	36.8	5.24
		ePCP	34 11	SZ	0.8	7.9		
		e	40 41	SZ	1.0	17.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	MN	ePP	10 34 25.3	SZ	0.9	6.2	56.4	4.61
31	RK	ePP	10 34 46.2	SZ	0.6	3.9	59.5	4.63
		eS	37 28	SZ	0.8	9.7		
							AVG.	4.82
31	10 30 25.		19.2 N 69.4 W DOMINICAN REPUBLIC					
			H= 83 KM MAG 5.00 CGS					
31	DH	ePP	10 35 28.2	SZ	0.7	14.8	23.4	4.50
		eS	39 38	SR	0.7	9.4		
		eL	40 00	LZ	15	155.4		
31	LC	ePP	10 37 18.5	SZ	1.0	26.4	35.8	5.11
31	MN	ePP	10 38 44.8	SZ	1.0	29.3	46.2	5.10
31	JE	eL	10 40 15	LZ	15	215.0	23.9	
							AVG.	4.90
31	13 19 46.5		35.3 N 103.1 E KANSU PROVINCE, CHINA					
			H= 33 KM MAG 5.10 CGS					
31	NP	eP	13 30 28.1	SZ	1.0	10.6	65.5	4.93
31	HW	eP	13 20 42.0	SZ	0.3	28.5	.9	
		eS	20 54	ST	0.3	155.2		
31	13 56 08.*		23.3 S 177.8 W FIJI ISLANDS					
			H=204 KM MAG 3.70 CGS					
31	17 15 26.8		13.6 S 172.1 E NEW HEBRIDES ISLANDS					
			H= 73 KM MAG 5.00 CGS					
31	MN	eP	17 27 45.7	SZ	1.3	15.6	83.1	4.86
		eP	27 46	LZ	10	868.0		
		ePPS	39 21	LT	30	896.5		
		eLQ	49 15	LR	23	547.5		
		eLR	52 53	LZ	32	2726.8		
31	LC	eP	17 28 20.5	SZ	1.0	10.5	90.0	4.95
31	HW	eS	17 30 35	LR	15	3663.3	46.0	
		eSSS	34 30	LR	17	1090.2		
							AVG.	4.90

Bulletin No. 30
June 1964

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. 30
June 1964

21 December 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 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. Three-component long-period seismograph systems are also in operation at HW-IS and NP-NT.

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 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 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).

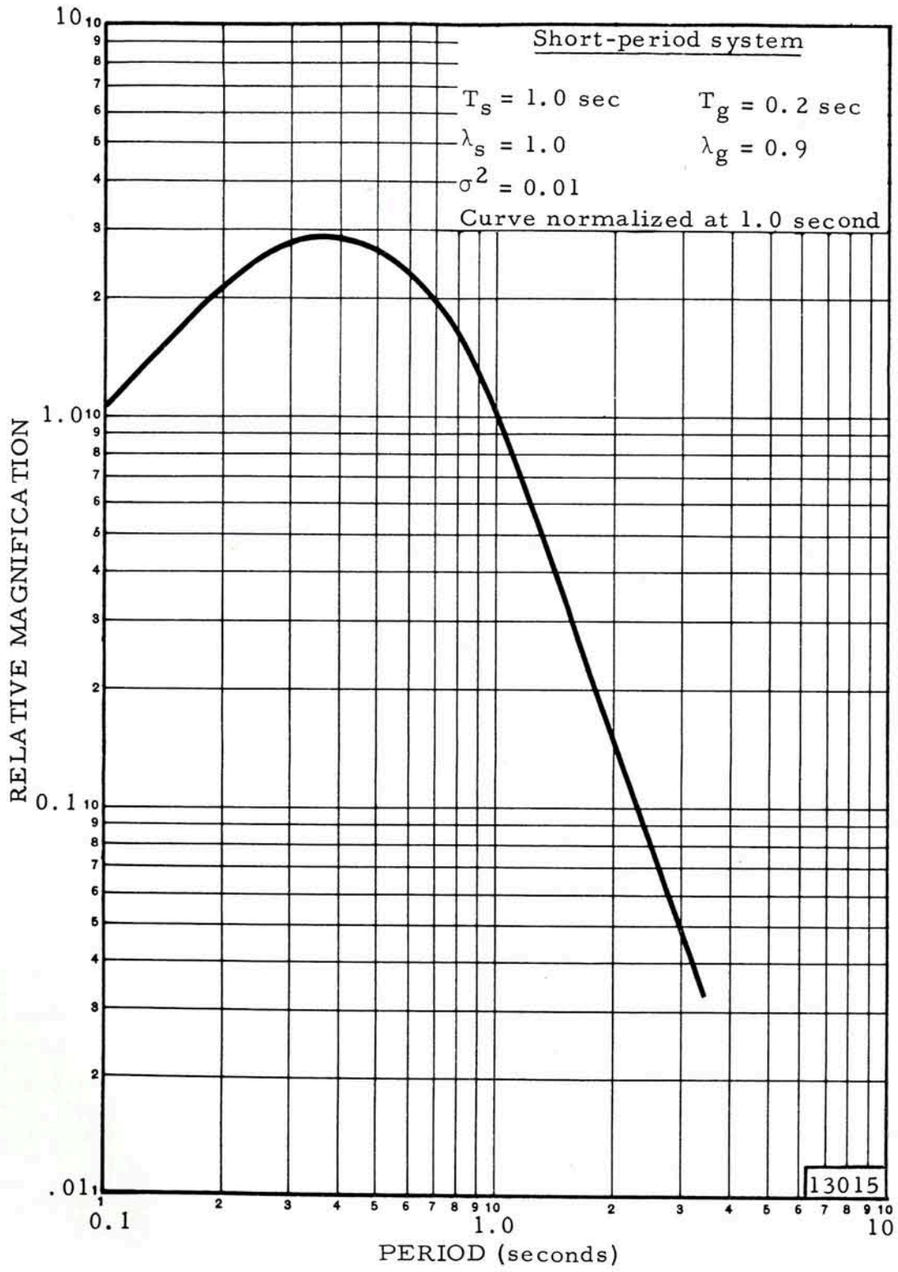

Figure 1. Frequency response of the Benioff short-period seismograph system

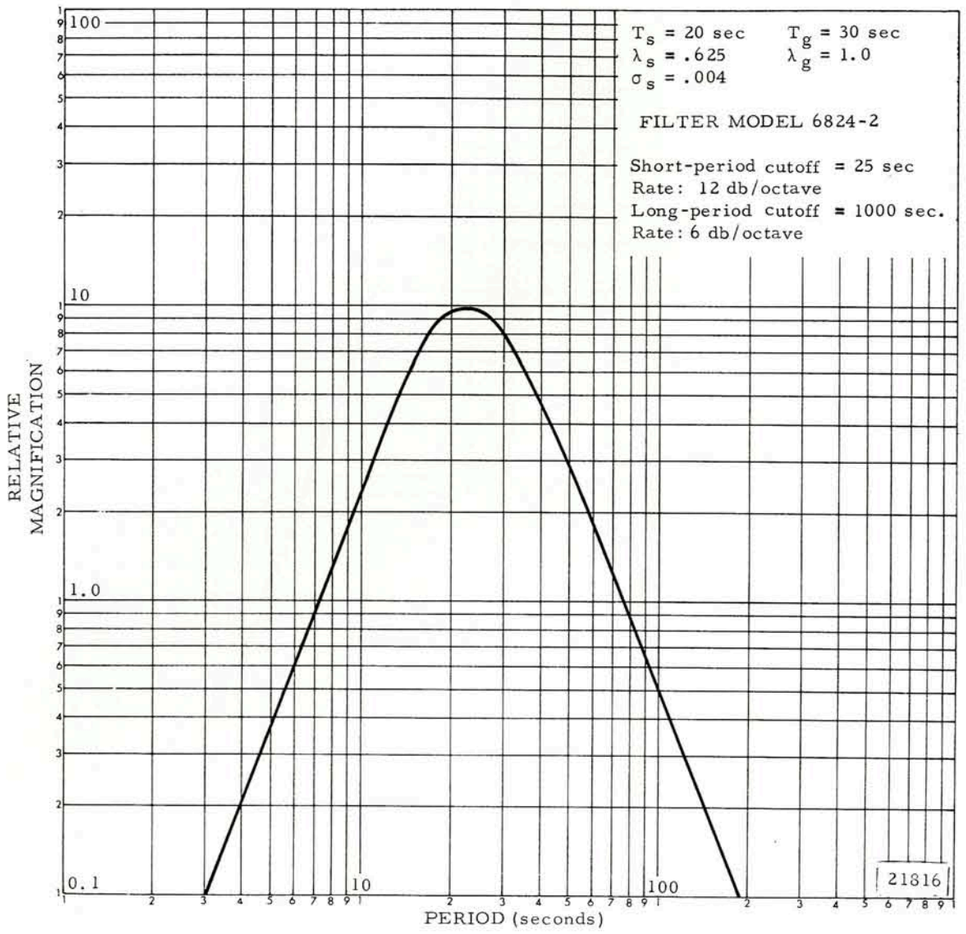

Figure 2. Frequency response of the Sprengnether long-period seismograph system

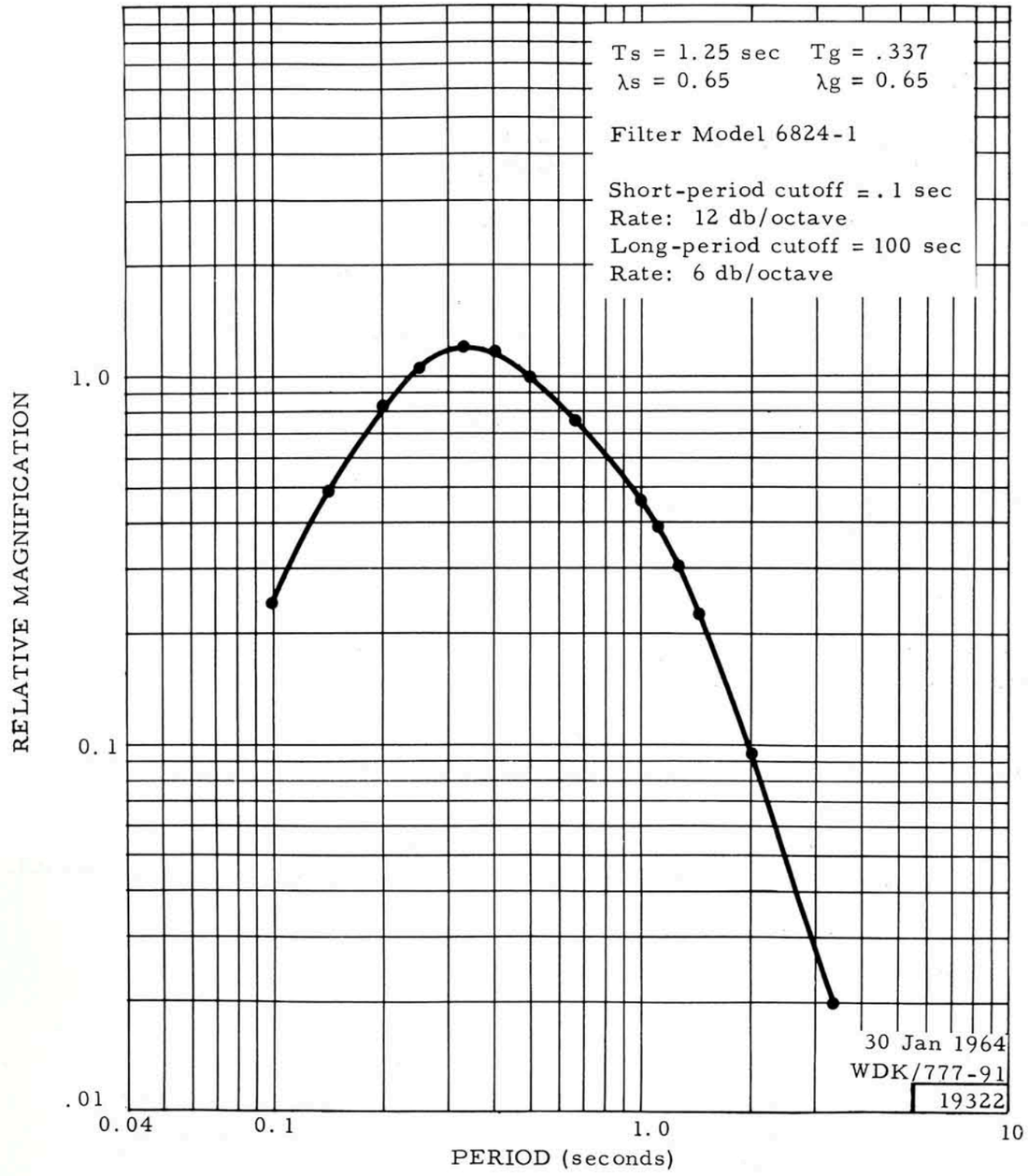

Figure 3. Frequency response of the Johnson-Matheson seismograph system

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 designator	Site location
LC-	Las Cruces, New Mexico
DH-	Delhi, New York
RK-	Red Lake, Ontario
JE -	Jena, 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 (GCT). Arrival times indicate that time at which phase motion is first detected. 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.

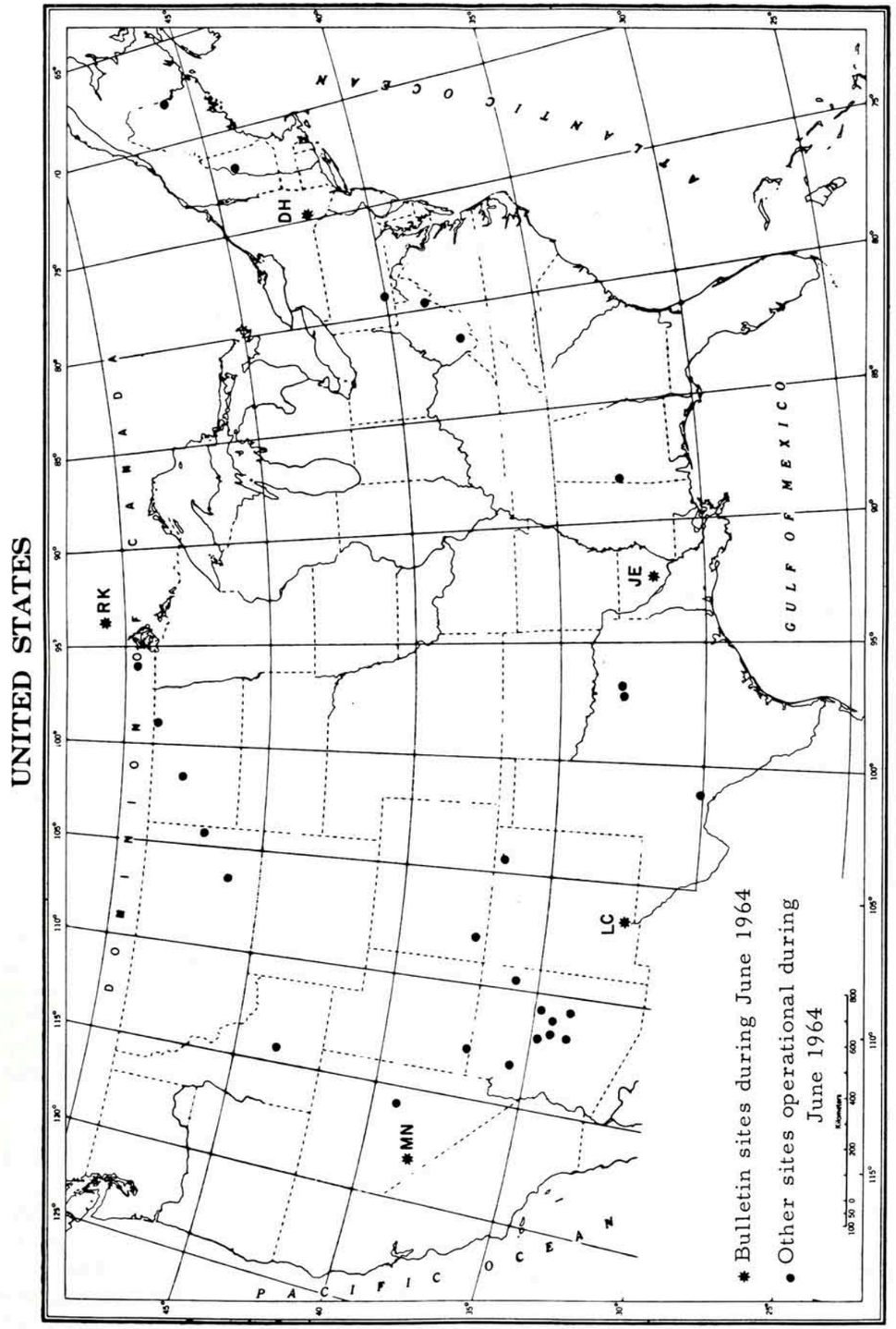

Figure 4. LRSM sites inside the continental United States and Canada during June 1964

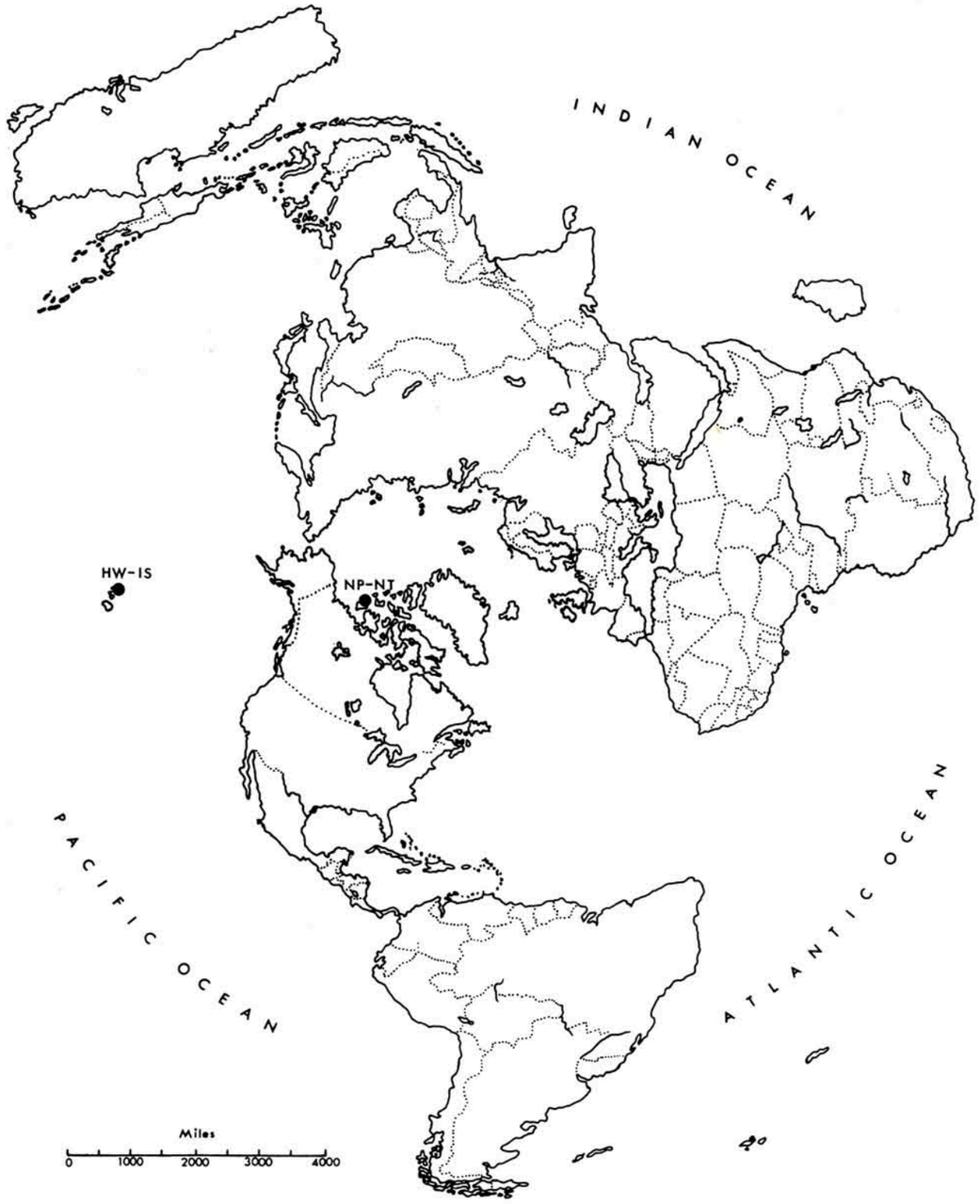

Figure 5. LRSM bulletin sites outside the continental United States during June 1964

3.5 INST

The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

SZ	Short-period vertical
SR[1]	Short-period radial (horizontal)
ST[1]	Short-period transverse (horizontal)
LZ	Long-period vertical
LR[1]	Long-period radial (horizontal)
LT[1]	Long-period transverse (horizontal)

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) or microns (μ) of ground displacement. All amplitudes are given in tenths of units. All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. If the amplitude is reported in microns, a U appears in the column to the right of the tenths column. The column is left blank if the amplitude is reported in millimicrons. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 999.9 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. The distance is

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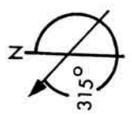
[1]Table 1 gives the instrument orientation of the horizontal seismometers.

Table 1. Bulletin site information

Site designator	Site location	Horizontal seismometer orientation (azimuth from true north in degrees[1]) 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	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		
HW-IS	Hawaii Island	235	325	N 19	58	49	0.71	Basalt
				W 155	42	20		
JE-LA	Jena, Louisiana	112	202	N 31	47	05	0.05	Sandstone
				W 92	00	55		
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		
MN-NV	Mina, Nevada	308	038	N 38	26	10	1.52	Limestone
				W 118	08	53		



[1]When earth moves in direction shown, trace moves up.

given to the nearest one-tenth of a 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[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°.

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

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

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precede 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 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	00 27 57.*		53.7 N 166.7 W FOX ALEUTIAN ISLANDS H= 80 KM MAG 4.00 CGS					
1	MN-	eP	02 04 19	Z	0.4	9999.9		
1	03 46 42.*		45.5 N 150.7 E KURILE ISLANDS H= 24 KM MAG 4.30 CGS					
1	04 36 44.*		40.5 N 137.9 E SEA OF JAPAN H= 32 KM MAG 4.20 CGS					
1	05 12 28.*		18.1 S 70.6 W CHILE PERU BORDER H=136 KM					
1	06 05 07.6		14.6 S 167.4 E NEW HEBRIDES ISLANDS H=176 KM MAG 5.20 CGS					
1	MN-	eP	06 17 36.4	SZ	1.1	9.0	87.2	4.56
		e	18 16	SZ	1.0	3.2		
		eL	47 08	LZ	22	250.9		
1	08 49 37.1		4.6 N 125.9 E TALAUD ISLANDS H=113 KM MAG 5.30 CGS					
1	MN-	eP	09 15 01.5	SZ	0.4	9999.9		
1	09 20 58.*		1. S 78.1 W ECUADOR H= 33 KM MAG 4.00 CGS					
1	10 12 57.		19. S 169.5 E NEW HEBRIDES ISLANDS H=248 KM MAG 4.50 CGS					
1	11 22 02.1		43.6 N 146.9 E KURILE ISLANDS H= 33 KM MAG 4.50 CGS					
1	HW-	eP	13 14 49.0	SZ	0.1	234.1	.1	
		eS	14 52	ST	0.4	9999.9		
1	13 17 20.7		21. S 175.7 W TONGA ISLANDS H= 35 KM MAG 5.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	MN-	eP	13 29 39.7	SZ	0.9	7.5	80.0	4.59
1	LC-	eP	13 29 53.0	SZ	1.0	17.1	84.7	5.15
1	HW-	e	13 32 30	LZ	21	502.6	45.2	
		eL	38 18	LZ	23	961.3		
1	JE-	eL	14 02 04	LZ	31	517.5	95.7	
							AVG.	4.86
1	13 24 07.1		52.9 N 35.0 W NORTH ATLANTIC OCEAN H= 33 KM MAG 4.40 CGS					
1	DH-	eL	13 37 55	LZ	31	572.6	28.6	
1	MN-	e	13 39 45	LR	27	120.7	56.7	
		eL	53 42	LZ	29	1383.6		
1	JE-	e	13 47 45	LZ	31	269.1	45.7	
1	DH-	eP	17 55 30.0	SZ	0.4	34.4	1.8	
		eS	55 54	ST	0.4	42.5		
1	18 31 13.7		43.6 N 147.0 E OFF E. COAST HOKKAIDO, JAPAN H= 33 KM MAG 4.70 CGS					
1	MN-	eP	18 42 11.0	SZ	0.6	1.0	67.8	4.11
1	MN-	eP	18 34 51.7	SZ	0.6	1.0	2.5	
		eS	35 24	SR	0.6	2.1		
1	LC-	eP	19 59 27.5	SZ	0.3	4.7	1.3	
		eS	59 45	ST	0.4	3.2		
1	MN-	eL	21 20 34	LZ	30	431.7		
1	LC-	eP	21 37 07.2	SZ	0.9	8.1		
1	MN-	eP	23 45 11.8	SZ	0.4	1.6	.9	
		eS	45 25	ST	0.6	16.5		
2	HW-	eP	00 51 31.6	SZ	0.3	41.2	.1	
		eS	51 35	ST	0.4	1213.7		
2	MN-	eP	01 38 31.1	SZ	0.5	1.2	3.1	
		eS	39 10	ST	0.5	3.7		
2	MN-	eL	05 48 21	LZ	30	457.1		
2	MN-	eP	07 31 07.9	SZ	0.4	.8		
2	MN-	e	07 31 17	SZ	1.0	8.9		
2	08 06 42.*		37.7 S 73.3 W NEAR COAST OF SOUTHERN CHILE H= 33 KM					
2	MN-	eP	08 38 19.9	SZ	0.5	1.5	1.3	
		eS	38 38	ST	0.4	2.8		
2	16 09 23.5		59.7 N 144.4 W ALASKA AFTERSHOCK H= 15 KM MAG 5.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	NP-	eP	16 13 45.0	SZ	0.9	26.3	18.8	4.46
		eP	13 45	LZ	15	1516.7		
		eS	17 25	LZ	15	3033.5		
		e	17 27	ST	3.0	731.5		
		e	17 27	ST	3.0	731.5		
		eL	20 15	LT	15	4410.9		
		eL	23 01	SZ	8.0	15.10		
2	MN-	eP	16 15 07.3	SZ	1.5	62.2	27.0	5.09
		eP	15 10	LZ	15	525.6		
		ePCP	18 28	SZ	1.5	21.5		
		eS	20 06	LR	15	691.2		
		eL	23 26	LZ	25	1454.8		
2	RK-	eP	16 15 29.5	SZ	1.1	59.6	29.5	5.31
		eP	15 30	LZ	8	2205.7		
		e	21 07	LT	18	959.6		
		eL	24 40	LR	20	2997.5		
		eL	25 01	SR	2.5			
2	LC-	eP	16 16 35	LZ	15	216.1	37.0	
		eP	16 35	SZ	1.5	45.7		5.01
		ePP	18 07	LZ	15	336.2		
		ePCS	22 42	LR	16	551.1		
		eL	29 05	LZ	25	631.4		
2	JE-	eP	16 17 38	LZ	13	383.8	44.3	
		ePP	19 23	LZ	13	383.8		
		eL	33 35	LT	20	2235.6		
2	DH-	eP	16 17 39.0	SZ	1.5	58.5	44.8	5.23
		eS	24 31	LT	16	498.2		
		eSS	27 30	LR	25	557.7		
		eLQ	31 20	LR	32	1556.0		
		eLR	33 20	LR	15	6045.8		
2	HW-	eS	16 23 25	LR	12	817.7	40.5	
		eL	26 20	LT	15	1852.6		
							AVG.	5.02
2	16 29 41.5		59.7 N 144.2 W ALASKA AFTERSHOCK H= 10 KM MAG 4.80 CGS					
2	NP-	eP	16 34 12.0	SZ	0.6	6.2	18.7	4.00
2	MN-	eP	16 35 24.6	SZ	1.3	25.0	27.0	4.76
		ePCP	38 45	SZ	0.9	3.1		
		eL	42 16	LT	20	1159.2		
2	RK-	eP	16 35 42.0	SZ	0.7	12.0	29.4	4.82
		eL	44 35	LZ	20	2230.1		
2	LC-	eP	16 36 52.5	SZ	1.4	15.4	36.9	4.57
2	HW-	eL	16 46 30	LT	16	730.7	40.5	
							AVG.	4.53
2	JE-	eL	16 58 20	LZ	13.	3454.7		
2	17 06 41.9		43.9 N 148.8 E KURILE ISLANDS H= 45 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	RK-	eP	17 17 56.5	SZ	0.6	3.0	71.2	4.47
2	LC-	eP	17 27 35.9	SZ	0.4	7.1	1.3	
		eS	27 53	ST	0.5	4.3		
2	DH-	eP	18 59 24.5	SZ	0.4	20.6		
2	20 44 45.		43.7 N 146.7 E OFF E. COAST HOKKAIDO, JAPAN H= 39 KM MAG 4.50 CGS					
2	DH-	eP	22 18 59.5	SZ	0.5	7.5	1.5	
		eS	19 20	SR	0.4	71.2		
2	MN-	eP	22 41 21.9	SZ	0.5	5.2	3.0	
		eS	41 59	ST	0.5	4.9		
2	MN-	eP	22 48 57.0	SZ	999.9	9999.9		
2	23 12 37.8		14.7 S 167.0 E NEW HEBRIDES ISLANDS H= 82 KM MAG 4.70 CGS					
2	MN-	eP	23 25 19.1	SZ	1.0	2.4	87.6	4.23
		eL	53 00	LZ	30	507.9		
3	00 44 03.*		55.4 S 24.8 W SANDWICH ISLANDS H= 33 KM MAG 5.50 CGS					
3	MN-	eP?	01 02 58.0	SZ	0.6	2.0	122.3	
3	NP-	eP?1	01 03 37.5	SZ	0.5	25.2	143.9	
3	MN-	eP	01 07 56.3	SZ	0.4	6.7	1.3	
		eS	08 14	ST	0.5	4.9		
3	02 27 27.*		31.5 N 93.9 W TEXAS LOUISIANA BORDER H= 33 KM MAG 4.20 CGS					
3	02 27 45.5		15.5 S 167.9 E NEW HEBRIDES ISLANDS H=126 KM					
3	02 49 14.9		25.9 N 95.8 E NORTHERN BURMA H=100 KM MAG 5.50 CGS					
3	NP-	eP	03 00 51.4	SZ	0.8	29.4	75.8	5.17

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	03 42	SZ	1.0	19.6		
3	MN-	eP	03 46 35	LZ	20.	155.8		
3	MN-	e	03 50 34	LR	20	301.4		
3	MN-	eL	03 52 20	LZ	26	992.3		
3	07 28 29.6		28.4 N 142.7 E SOUTH OF HONSHU, JAPAN H= 33 KM MAG 4.60 CGS					
3	07 49 30.8		5.2 S 78.6 W NORTHERN PERU H= 33 KM MAG 4.20 CGS					
3	09 17 07.*		15.6 N 94.5 W OFF COAST OF OAXACA, MEXICO H= 59 KM MAG 3.80 CGS					
3	LC-	eP	09 21 36.3	SZ	0.5	2.0	20.0	3.67
3	MN-	eP	09 23 21.0	SZ	1.0	3.2	30.8	4.09
							AVG.	3.88
3	10 27 03.*		22.8 S 66.5 W ARGENTINA BOLIVIA BORDER H=101 KM MAG 4.10 CGS					
3	11 25 46.*		61.1 N 151.2 W ALASKA AFTERSHOCK H= 33 KM MAG 3.80 CGS					
3	MN-	eP	11 31 58.2	SZ	0.6	2.0	30.6	4.14
3	11 41 54.6		19.5 N 108.3 W OFF COAST OF JALISCO, MEXICO H= 33 KM MAG 4.10 CGS					
3	LC-	eP	11 45 01.1	SZ	1.0	5.3	12.9	4.51
		eP	45 05	LZ	15	175.7		
		eS	47 30	LR	33	1458.1		
3	JE-	eP	11 46 18	LZ	15	394.7	19.1	
		e	50 05	LZ	18	274.4		
		eL	51 30	LZ	40	1115.1		
3	MN-	eP	11 46 34.3	SZ	1.0	10.5	20.7	4.10
3	RK-	eS	11 53 50	LR	25	162.7	33.3	
		eL	57 15	LT	18	1386.1		
3	DH-	eL	12 00 00	LZ	38	503.5	36.2	
3	NP-	eL	12 02 08	LZ	24	1436.1	57.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.30
3	12 29 20.8		10.5 N 70.9 W VENEZUELA H= 33 KM MAG 4.10 CGS					
3	MN-	eL	13 30 00	LZ	20,	267.0		
3	13 50 16.*		40.3 N 126.1 W NEAR COAST NORTH CALIFORNIA H= 33 KM MAG 5.40 CGS					
3	MN-	eP	13 51 50.0	SZ	0.5	2.7	6.4	4.24
		eS	53 00	SR	0.6	12.9		
		eS	53 10	LT	20	1408.4		
3	LC-	eL	13 59 10	LZ	21	224.2	17.5	
3	JE-	eL	14 06 20	LZ	20	160.7	28.7	
3	14 03 42.4		59.9 N 143.9 W ALASKA AFTERSHOCK H= 20 KM MAG 5.10 CGS					
3	NP-	eP	14 08 00.6	SZ	1.0	58.8	18.5	4.74
		eL	11 53	ST	1.6	178.3		
		eL	20 40	LR	15	1050.6		
3	MN-	eP	14 09 24.6	SZ	1.4	40.7	27.0	4.92
		eS	14 15	LR	13	391.7		
		eSCP	16 25	SZ	1.4	7.7		
		eL	16 30	LR	25	466.7		
3	RK-	eP	14 09 47.0	SZ	1.0	28.4	29.3	5.02
		eL	19 24	SR	2.5			
3	LC-	eS	14 16 55	LZ	15	140.5	36.9	
3	DH-	eL	14 26 15	LR	20	515.9	44.6	
3	JE-	eL	14 28 27	LR	15	3929.7	44.1	
							AVG.	4.89
3	LC-	eP	14 11 52.6	SZ	1.5	31.7		
3	RK-	e	15 21 34	SR	0.4			
3	RK-	e	15 22 24	SR	0.3			
3	LC-	eP	17 32 12.0	SZ	0.3	3.3	2.9	
		eS	32 48	ST	0.5	9.9		
3	17 54 14.7		18.8 S 173.7 W TONGA ISLANDS H= 33 KM MAG 4.80 CGS					
3	MN-	eP	18 06 07.8	SZ	1.1	6.0	77.1	4.54
3	LC-	eP	18 06 35.0	SZ	1.0	5.3	81.9	4.53
3	JE-	eL	18 40 50	LZ	20	183.7	92.9	
3	DH-	eL	18 48 15	LZ	24	67.6	108.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
						AVG.		4.53
4	00 15 40.*		33.5 S 177.8 W KERMADEC ISLANDS					
			H= 31 KM MAG 4.30 CGS					
4	MN-	eP	01 18 14.0	SZ	0.6	1.0	4.2	
		eS	19 04	SR	0.5	2.5		
4	MN-	eP	01 21 45.8	SZ	0.5	2.5	.1	
		eS	21 50	SR	0.4	6.3		
4	01 42 19.9		24.5 N 122.1 E OFF EAST COAST OF TAIWAN					
			H= 33 KM MAG 5.00 CGS					
4	MN-	eP	02 55 28.1	SZ	0.1	22.2	.7	
		eS	55 38	SR	0.5	9999.9		
4	02 57 07.6		36.4 N 69.3 E HINDU KUSH					
			H= 33 KM MAG 4.90 CGS					
4	NP-	eP	03 08 01.7	SZ	0.6	7.1	67.5	4.96
4	03 27 05.*		59.7 N 147.3 W ALASKA AFTERSHOCK					
			H= 45 KM					
4	NP-	eP	03 31 29.0	SZ	1.0	5.4	19.3	3.78
4	RK-	eL	03 43 22	LR	18	562.1	31.0	
4	JE-	eL	03 52 50	LR	25	1307.5	45.8	
4	04 28 54.7		17.5 N 100.8 W NEAR COAST GUERRERO, MEXICO					
			H= 22 KM MAG 4.70 CGS					
4	LC-	eP	04 32 40.7	SZ	1.0	124.3	15.7	5.11
		e	33 18	SZ	0.7	25.5		
		eL	37 24	SZ	2.1	435.3		
4	JE-	eP	04 32 47.0	SZ	1.1	155.2	16.3	5.07
		e	32 51	LT	17	3461.0		
		ePP	32 54	SZ	1.1	297.6		
		eS	36 05	LT	20	2566.4		
		eSSS	36 12	SR	1.6	169.6		
		eL	38 00	LT	32	3873.2		
		eL	40 02	SR	1.5	115.7		
4	MN-	eP	04 34 26.5	SZ	1.1	53.4	25.8	5.08
		eP	34 32	LZ	20	593.0		
		e	39 21	LZ	24	1049.9		
		eL	42 50	SZ	3.0	157.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	43 20	LR	24.	1837.7		
4	DH-	eP	04 35 33.2	SZ	0.9	31.7	33.1	5.23
		eSS	42 51	LT	18	745.1		
		eL	46 09	LZ	32	1985.9		
4	RK-	eP	04 35 35.5	SZ	0.6	3.0	33.7	4.38
		eP	35 37	LZ	14	1237.2		
		e	36 55	LR	23	220.6		
		e	41 36	LR	26	1531.1		
		e	41 36	LT	25	1224.0		
		eL	43 09	LZ	15	2067.9		
		eL	46 58	ST	2.6	246.1		
4	NP-	eP	04 38 59.0	SZ	0.7	38.2	59.6	5.55
		e	39 02	LR	14	359.1		
		e	42 40	LR	20	314.3		
		eS	47 15	LR	37	719.4		
		e	51 55	LR	25	830.8		
		eL	58 34	ST	4.0	389.9		
		eL	58 45	LT	32	3544.9		
		e	05 00 26	SZ	4.2	774.8		
4	HW-	eS	04 45 30	LT	34	2902.4	51.9	
		eL	53 07	LZ	23	649.7		
							AVG.	5.07
4	DH-	eS	04 41 11	LT	28.	741.1	33.1	
4	MN-	eP	05 52 46.7	SZ	0.2	15.0	.6	
		eS	52 56	SR	0.3	18.0		
4	MN-	eP	10 05 23.0	SZ	0.4	1.1		
4	MN-	eL	10 07 13	SR	0.7	4.1		
4	10 18 15.3		7.8 S 117.6 E FLORES SEA					
			H= 47 KM MAG 5.20 CGS					
4	MN-	eP	11 04 08.5	SZ	0.3	3.5	.1	
4	11 17 11.8		6.1 S 149.9 E NEW BRITAIN					
			H= 54 KM					
4	HW-	eP	11 27 15	LZ	21.	437.8	59.4	
		eS	35 30	LR	17	614.9		
		e	39 47	LZ	22	379.0		
		eL	45 06	LZ	27	2623.2		
4	MN-	ePS	11 43 26	LR	24	411.6	95.3	
		ePSS	48 42	LR	26	496.3		
		eL	12 00 41	LZ	30	2015.4		
4	RK-	ePS	11 45 49	LT	26	364.0	111.2	
		eSS	51 29	LT	25	422.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePSS	52 05	LT	26.	432.3		
		eL	12 09 36	LZ	28	855.4		
4	JE-	eSP	11 46 45	LZ	22	222.5	117.0	
		e	12 01 25	LZ	20	137.8		
		eLQ	05 36	LZ	21	157.4		
		eLR	12 01	LZ	27	431.2		
4	NP-	eL	12 08 12	LZ	22	1036.8	96.1	
4	11 46 01.7		9.6 S 76.1 W CENTRAL PERU H=124 KM MAG 5.30 CGS					
4	JE-	eP	11 53 59.0	SZ	0.9	40.3	43.9	5.08
4	LC-	eP	11 54 52.5	SZ	1.4	67.5	50.9	5.35
		e	55 37	SZ	2.0	42.2		
4	DH-	eP	11 54 58.9	SZ	1.1	153.0	51.6	5.82
4	MN-	eP	11 56 10.5	SZ	1.5	80.8	61.8	5.46
		ePCP	56 58	SZ	1.4	21.8		
4	RK-	eP	11 56 11.0	SZ	0.7	31.0	62.1	5.37
4	NP-	eP	11 58 46.8	SZ	1.2	136.9	89.4	5.91
		e	59 36	SZ	1.1	55.6		
		ePP	12 02 15	SZ	1.6	24.5		
							AVG.	5.49
4	11 53 50.*		14.7 S 176.0 W TONGA ISLANDS REGION H=303 KM MAG 3.90 CGS					
4	MN-	eS	12 04 12	SR	0.4	9.2	.1	
4	MN-	eS	12 21 03	SR	0.5	8.5	.3	
4	DH-	eL	12 21 17	LZ	27	1700.6		
4	12 56 02.6		4.9 S 134.2 E NEAR S. CST. WEST NEW GUINEA H= 33 KM					
4	MN-	eP	15 20 28.7	SZ	0.3	1.1	2.9	
		eS	21 05	SR	0.5	3.4		
4	DH-	eP	15 22 02.4	SZ	0.4	28.4	1.4	
		eS	22 25	SR	0.3	27.4		
4	DH-	eP	15 55 49.6	SZ	0.5	19.4	1.9	
		eS	56 14	SR	0.5	32.6		
		eP	16 00 23.6	SZ	0.4	10.6		
		eS	00 49	SR	0.4	36.4		
4	MN-	eP	17 20 57.9	SZ	0.4	.8	.3	
4	HW-	eP	18 34 44.0	SZ	999.9	9999.9		
4	MN-	eP	19 15 34.7	SZ	0.6	2.0	2.5	
		eS	16 06	SR	0.6	1.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	HW-	eP	23 22 45.5	SZ	999.9	9999.9		
4	DH-	eP	23 41 32.0	SZ	0.3	3.6	2.2	
		eS	42 00	SR	0.4	26.5		
5	00 11 51.9		39.3 N 43.1 E EASTERN TURKEY H= 33 KM MAG 4.60 CGS					
5	01 03 26.*		25.6 S 176.5 W KERMADEC ISLANDS H= 33 KM MAG 4.40 CGS					
5	02 36 12.4		42.5 N 84.8 E SINKIANG PROVINCE, CHINA H= 52 KM MAG 4.90 CGS					
5	RK-	eP	02 48 52.8	SZ	0.7	4.8	87.0	4.73
5	03 59 27.*		25.1 N 142.6 E BONIN ISLANDS H= 33 KM MAG 4.70 CGS					
5	04 08 30.6		56.2 S 27.5 W SANDWICH ISLANDS REGION H= 33 KM MAG 5.30 CGS					
5	04 44 48.6		47.8 N 27.3 W NORTH ATLANTIC OCEAN H= 33 KM MAG 4.70 CGS					
5	MN-	eP	04 55 15.0	SZ	1.0	8.1	63.3	4.76
5	DH-	eL	05 00 45	LZ	28	625.5	33.7	
5	04 52 04.3		43.2 N 111.3 W EASTERN IDAHO H= 33 KM MAG 3.70 CGS					
5	LC-	eP	04 54 53.0	SZ	1.0	6.6	11.4	4.77
5	08 37 54.*		46.2 N 151.9 E KURILE ISLANDS H= 33 KM MAG 4.60 CGS					
5	09 13 20.		16.2 S 177.3 E FIJI ISLANDS REGION H= 25 KM MAG 5.20 CGS					
5	MN-	eP	09 25 36.0	SZ	1.3	26.6	81.2	5.08
		eL	50 52	LZ	27	735.9		
5	LC-	eP	09 26 07.0	SZ	1.4	12.5	87.3	4.93
		eL	53 25	LZ	27	365.4		
5	HW-	eS	09 28 30	LR	15	625.4	44.7	
		eLQ	32 12	LT	15	911.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	34 10	LZ	27s	688.0		
							AVG.	5.00
5	09 50 35.		60.4 N 146.0 W ALASKA AFTERSHOCK					
			H= 15 KM MAG 5.20 CGS					
5	MN-	eP	09 56 27.8	SZ	1.4	46.5	28.1	5.09
		e	10 03 22	SZ	2.0	45.8		
		eL	04 50	LZ	19	4006.4		
		eL	07 12	ST	2.1	30.1		
5	RK-	eP	09 56 46.7	SZ	1.3	23.2	30.3	4.86
		eS	10 01 45	LR	20	580.4		
		eL	05 00	LR	30	4045.9		
		eL	06 26	SR	1.8	58.9		
5	LC-	eP	09 57 55.0	SZ	1.3	25.4	38.1	4.81
		eSCP	10 03 53	SZ	2.9	100.5		
		e	03 55	LR	23	529.3		
		e	06 49	LR	15	485.7		
		eL	10 15	LZ	25	1219.2		
5	JE-	eP	09 58 54.4	SZ	1.3	80.6	45.3	5.49
		eS	10 05 42	LT	21	953.4		
		e	09 18	LT	17	2075.0		
		eL	13 30	LT	20	17.8U		
		eL	14 36	ST	9.0	14.1U		
5	DH-	eP	09 58 56.0	SZ	0.9	15.4	45.5	4.95
		eS	10 05 39	LR	18	538.7		
		eSS	08 50	LR	23	720.6		
		eL	12 31	LR	31	2099.5		
		eL	14 19	SR	2.4	315.3		
5	HW-	eS	10 04 34	LR	16	463.3	41.0	
		eL	09 20	LZ	22	1238.2		
							AVG.	5.04
5	10 53 22.*		48.3 N 153.5 E KURILE ISLANDS					
			H= 33 KM MAG 4.90 CGS					
5	11 18 18.1		4.7 N 75.8 W WESTERN COLOMBIA					
			H= 62 KM MAG 4.30 CGS					
5	LC-	eP	11 25 46.9	SZ	0.9	2.0	39.9	3.88
5	11 50 25.*		63.1 N 151.1 W SOUTHERN ALASKA					
			H= 94 KM MAG 4.20 CGS					
5	MN-	eP	12 53 38.0	SZ	0.3	7.5	.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	53 47	SR	0.4	23.2		
5	13 01 28.2		43. N 45.4 E EASTERN CAUCASUS					
			H= 33 KM MAG 4.60 CGS					
5	16 08 03.*		6.5 S 125.8 E BANDA SEA					
			H= 33 KM MAG 4.40 CGS					
5	LC-	eL	17 04 45	LZ	33.	107.0	124.9	
5	LC-	eP	16 37 22.9	SZ	1.0	2.6		
5	MN-	eP	18 54 18.1	SZ	0.5	3.0	2.6	
		eS	54 50	SR	0.5	7.6		
5	MN-	eP	19 54 58.6	SZ	1.1	6.0		
5	LC-	eP	20 47 23.2	SZ	0.2	41.5	1.3	
		eS	47 41	ST	0.3	21.4		
5	22 06 53.		58.1 N 152.1 W ALASKA AFTERSHOCK					
			H= 15 KM MAG 5.00 CGS					
5	RK-	eP	22 13 35.6	SZ	1.0	57.9	33.7	5.45
		eP	13 40	LZ	10	771.6		
		eS	19 02	LT	25	580.1		
		eSS	21 20	LR	20	386.9		
		eL	25 18	SR	3.1	284.5		
		eLR	26 12	LZ	18	2099.7		
5	LC-	eP	22 14 30.0	SZ	1.0	25.1	39.9	4.83
		eSCP	20 22	SZ	1.1	6.5		
		eS	20 38	LR	16	119.7		
		eS	20 39	ST	2.5	64.5		
		eLQ	23 57	LR	18	235.3		
		eL	24 38	ST	2.5	48.3		
		eLR	26 00	LR	23	365.0		
5	JE-	eP	22 15 34.0	SZ	1.0	20.9	48.0	5.18
		eS	22 40	LT	16	952.2		
		eL	33 10	LR	17	2452.3		
5	DH-	eP	22 15 41.5	SZ	1.3	212.3	49.1	5.99
		eS	22 50	LT	15	510.9		
		e	26 21	LT	16	362.7		
		e	26 21	LT	16	362.7		
		eL	32 45	LR	19	1907.2		
5	MN-	eS	22 18 00	LT	20	348.2	29.5	
		e	18 00	LT	20	348.2		
		eLR	22 10	LZ	16	1157.2		
							AVG.	5.36
6	02 33 16.1		8.9 S 108.7 W SOUTH PACIFIC OCEAN					
			H= 33 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	LC-	eP	02 40 59.6	SZ	1.4	13.4	41.1	4.51
6	MN-	eP	02 41 53.5	SZ	1.3	4.6	47.9	4.36
		eS	48 55	LT	21	265.2		
		eLQ	54 16	LT	23	431.0		
		eLR	56 06	LT	21	644.1		
6	HW-	eL	02 57 58	LT	23	1646.3	54.4	
6	RK-	eL	02 58 00	LR	19	128.6	60.9	
6	DH-	eL	03 02 45	LZ	32	232.0	59.6	
							AVG.	4.43
6	MN-	eP	02 55 55.3	SZ	0.8	2.4		
6	MN-	e	03 19 15	LT	20	154.7		
6	HW-	eL	03 23 10	LT	24	795.6		
6	MN-	e	03 24 24	LT	25	191.7		
6	MN-	eL	03 26 48	LT	23	318.6		

6 03 44 27.8 8.3 S 79.3 W NEAR COAST OF PERU
H= 47 KM MAG 4.30 CGS

6 06 44 35.2 39.5 N 110.3 W EASTERN UTAH
H= 33 KM MAG 4.50 CGS

6 08 05 56.4 37.1 N 72.1 E HINDU KUSH REGION
H=166 KM MAG 5.00 CGS

6 11 47 38.* 34.5 N 121.6 W NEAR COAST SOUTH CALIFORNIA
H= 33 KM MAG 5.00 CGS

6	MN-	eP	11 48 49.1	SZ	0.5	2.4	4.8	3.79
		eL	50 02	SR	1.0	124.5		
		eL	50 05	LZ	17	740.9		
6	JE-	eL	12 01 14	LT	21	419.2	24.9	

6 12 46 59.* 39.4 N 110.1 W EASTERN UTAH
H= 33 KM MAG 4.20 CGS

6	RK-	eP	12 52 49.0	SZ	0.3	4.3	2.4	
		eS	53 20	SR	0.3	21.2		

6 17 15 54.* 31.3 N 116.2 W BAJA CALIFORNIA
H= 33 KM MAG 5.00 CGS

6	MN-	eP	17 17 40.0	SZ	0.4	.5	7.3	3.83
		e	18 04	SZ	0.8	3.3		
		eL	19 30	SR	1.1	7.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	MN-	eP	18 16 46.4	SZ	1.0	2.4		
6	MN-	eP	18 27 29.8	SZ	1.4	5.8		

6 19 07 51.4 26.6 S 114.4 W EASTER ISLAND REGION
H= 33 KM MAG 5.80 CGS

6	LC-	eP	19 17 53.9	SZ	1.2	108.3	59.1	5.76
		ePS	26 09	SR	3.3	176.5		
6	HW-	e	19 18 06	LT	14	815.4	61.2	
		eL	28 00	LT	25	2290.4		
6	JE-	eP	19 18 11.0	SZ	1.3	122.2	61.9	5.90
		e	18 11	LT	14	1100.5		
		eS	26 42	LT	16	5305.5		
		eL	30 35	LT	19	1773.0		
6	MN-	eP	19 18 30.0	SZ	0.9	46.3	64.8	5.61
		eP	18 35	LZ	18	445.0		
		e	19 31	SZ	1.0	17.9		
		eS	27 07	LR	20	1606.5		
		e	28 48	ST	4.8	259.5		
		eSS	31 35	LR	24	1026.1		
		eSSS	34 40	LR	26	2906.9		
		eL	39 40	LZ	22	2072.8		
		eP'P'	47 16	SZ	2.0	91.6		
6	DH-	eP	19 19 46.5	SZ	1.5	118.1	77.6	5.70
		eP	19 50	LZ	12	916.3		
		eS	29 42	LT	21	1464.5		
		eSS	34 45	LT	32	2653.1		
		eSSS	38 10	LT	19	879.7		
		e	39 35	LZ	27	1041.8		
		eL	43 45	LT	26	1790.7		
6	RK-	eP	19 19 54.5	SZ	0.9	61.6	79.2	5.56
		eP	19 58	LZ	8	9810.1		
		eS	29 40	LT	22	1380.7		
		eSS	35 15	LT	32	2617.8		
		e	40 30	LR	28	3757.3		
		eL	43 55	LT	25	2991.0		
							AVG.	5.70
6	MN-	eP	19 09 02.9	SZ	0.9	8.7		

6 22 01 45.2 56. S 27.4 W SANDWICH ISLANDS REGION
H= 33 KM MAG 5.30 CGS

7 05 29 35.* 5.5 S 152.4 E NEW BRITAIN REGION
H= 58 KM MAG 4.90 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	MN-	eP	05 42 45.0	SZ	0.8	1.4	92.9	4.39
7	08 22 55.9		3. S 130.3 E CERAM REGION H= 33 KM MAG 4.80 CGS					
7	13 07 53.2		18.4 S 173.7 W TONGA ISLANDS H= 33 KM MAG 4.50 CGS					
7	MN-	eP	13 19 44.0	SZ	0.9	2.5	76.8	4.25
7	HW-	eL	13 28 38	LZ	20	189.8	42.0	
7	NP-	eP	13 53 10.0	SZ	0.8	4.2		
7	14 49 31.2		36.3 N 141.0 E NEAR E. COAST HONSHU, JAPAN H= 36 KM MAG 5.00 CGS					
7	NP-	eP	14 59 16.5	SZ	0.9	11.7	57.3	4.91
7	MN-	eP	15 01 14.9	SZ	0.8	1.4	75.8	4.04
		e	01 28	SZ	1.0	8.1		
7	RK-	eP	15 01 41.5	SZ	0.5	.9	80.8	3.97
		e	01 54	SZ	0.7	4.7		
							AVG.	4.30
7	HW-	e	17 02 18	LR	25.	372.0		
7	HW-	e	17 05 00	LT	27	503.0		
7	HW-	eL	17 15 12	LZ	25	250.8		
7	20 10 15.9		30.4 S 67.6 W LA RIOJA PROVINCE, ARGENTINA H= 29 KM MAG 5.20 CGS					
7	JE-	eP	20 21 01.8	SZ	1.1	26.4	66.0	5.29
		e	21 15	SZ	1.0	96.3		
7	DH-	eP	20 21 43.0	SZ	0.6	4.1	72.6	4.65
		e	21 56	SZ	1.2	75.8		
		e	21 56	LZ	13	224.1		
		eS	31 13	LR	20	428.1		
		eL	42 50	LR	38	2265.7		
7	RK-	eP	20 22 44.7	SZ	0.7	11.9	84.1	5.14
		e	22 59	SZ	0.7	52.3		
		eL	48 10	LR	31	715.6		
							AVG.	5.02
7	NP-	e	20 28 26	SZ	1.0	3.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	20 30 55.5		45.3 N 150.9 E KURILE ISLANDS H= 33 KM MAG 5.00 CGS					
7	NP-	eP	20 39 20.5	SZ	1.1	17.6	46.5	4.97
		eSCP	44 46	SZ	1.5	16.6		
7	RK-	eP	20 41 59.0	SZ	0.9	12.8	69.2	5.01
7	DH-	eP	20 43 22.0	SZ	0.8	11.6	83.7	5.07
7	HW-	eSP	20 47 30	LZ	17	331.0	50.5	
		eL	54 00	LZ	29	960.4		
							AVG.	5.01
8	02 26 42.3		22.1 S 179.5 W TONGA ISLANDS REGION H=554 KM MAG 4.70 CGS					
8	MN-	eP	02 38 12.3	SZ	1.0	16.2	83.2	4.53
8	HW-	eL	02 53 30	LZ	25	254.7	47.8	
8	04 22 30.1		51.6 N 175.9 W ANDREANOF ALEUTIAN ISLANDS H= 27 KM MAG 4.90 CGS					
8	MN-	eP	04 30 20.0	SZ	0.7	1.6	41.8	3.89
		ePCP	32 15	SZ	0.8	3.8		
8	RK-	eP	04 31 04.3	SZ	0.5	3.6	48.9	4.64
		eL	50 30	LR	35	264.6		
8	DH-	eP	04 33 04.0	SZ	0.5	7.5	64.2	5.10
		eL	59 09	LZ	24	511.1		
8	HW-	eL	04 39 00	LZ	26	595.2	35.3	
							AVG.	4.54
8	05 44 31.		57.4 N 149.2 W ALASKA AFTERSHOCK H= 33 KM MAG 4.60 CGS					
8	MN-	eP	05 50 19.0	SZ	0.8	5.3	27.8	4.34
8	RK-	eP	05 50 59.5	SZ	1.0	9.6	32.4	4.63
							AVG.	4.48
8	10 47 59.9		9.1 N 72.6 W WESTERN VENEZUELA H=200 KM MAG 4.50 CGS					
8	RK-	eP	10 55 57.2	SZ	0.5	9.0	45.1	4.46
8	MN-	eP	12 27 32.7	SZ	0.5	1.2	.7	
		eS	27 43	SR	0.5	5.3		
8	RK-	eL	13 01 10	LR	25	85.2		
8	15 48 00.		4.9 S 151.3 E NEW BRITAIN H=221 KM MAG 5.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	17 56 18.5		6.1 S 153.6 E SOLOMON ISLANDS H= 59 KM MAG 4.5[0] CGS					
8	MN-	eP	19 29 12.9	SZ	0.4	5.0	.5	
		eS	29 20	ST	0.5	26.6		
8	HW-	eP	22 00 57.5	SZ	999.9	9999.9		
8	22 53 21.7		17.7 N 145.7 E MARIANA ISLANDS H=163 KM MAG 5.40 CGS					
8	HW-	eP	23 02 38.9	SZ	0.7	278.6	55.3	6.17
		eL	20 20	LZ	25	1458		
8	MN-	eP	23 05 35.6	SZ	1.0	24.4	83.9	4.96
		e	06 04	SZ	1.1	28.1		
		ePP	08 48	SZ	1.1	10.0		
8	RK-	eP	23 06 23.6	SZ	1.4	28.6	94.3	5.34
		e	16 04	SR	1.1	82.3		
							AVG.	5.49
9	MN-	eP	01 23 27.3	SZ	0.2	1.1		
9	MN-	eS	01 23 33	ST	0.3	9.3		
9	HW-	eLR	01 42 13	LZ	23	241.6		
9	MN-	eLR	01 49 45	LZ	24	102.2		
9	02 33 39.4		38.2 N 2.5 W SOUTHEASTERN SPAIN H= 33 KM MAG 4.80 CGS					
9	04 22 59.8		35.4 S 105.9 W WEST OF CHILE H= 33 KM MAG 4.80 CGS					
9	RK-	eP	04 35 42.2	SZ	0.8	4.1	86.5	4.60
9	HW-	eLR	04 57 20	LZ	24	283.8	72.5	
9	DH-	eL	05 02 48	LZ	28	266.0	82.3	
9	09 24 18.*		59.6 N 145.1 W ALASKA AFTERSHOCK H= 33 KM MAG 4.80 CGS					
9	MN-	eP	09 30 01.3	SZ	1.3	11.2	27.2	4.39
		e	33 49	SZ	1.7	10.4		
		eS	34 50	LR	14	202.8		
		eLR	37 55	LZ	22	527.9		
9	RK-	eP	09 30 23.6	SZ	1.0	7.0	29.9	4.41
9	HW-	eLR	09 43 20	LZ	23	201.3	40.3	
9	DH-	eL	09 48 10	LT	19		45.2	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	JE-	eLR	09 48 53	LR	14.	1100.5	44.6 AVG.	4.40
9	MN-	eLR	11 41 03	LZ	27.	109.3		
9	HW-	eP	12 15 21.9	SZ	0.2	39.0		
9	HW-	eS	12 15 32	SR	0.3	104.1		
9	RK-	eP	13 02 51.6	SZ	0.3	5.8		
9	RK-	eS	13 03 19	SR	0.3	8.5		
9	15 02 21.6		19.2 S 177.6 W FIJI ISLANDS H=556 KM MAG 4.60 CGS					
9	MN-	eP	15 13 34.4	SZ	1.1	12.3	79.9	4.25
9	RK-	eP	15 41 11.0	SZ	0.6	1.9		
9	MN-	eP	15 41 11.3	SZ	0.9	1.2		
9	16 08 00.*		19.4 S 168.9 E NEW HEBRIDES ISLANDS H= 47 KM MAG 4.60 CGS					
9	17 12 18.		51.4 N 178.5 E RAT ALEUTIAN ISLANDS H= 33 KM MAG 4.40 CGS					
9	MN-	eP	17 20 35.2	SZ	0.7	1.6	45.3	4.04
9	18 16 13.7		2 S 78.9 W ECUADOR H= 48 KM MAG 4.60 CGS					
9	RK-	eP	18 25 20.0	SZ	1.0	9.4	52.4	4.72
9	MN-	eP	18 25 25.3	SZ	1.0	14.1	52.7	4.90
		e	33 26	LR	26	199.8		
		eL	39 07	LT	31	704.1		
9	JE-	eLR	18 33 30	LZ	24	412.7	34.1	
9	HW-	eLR	18 54 44	LZ	17	241.6	77.7 AVG.	4.81
9	MN-	eL	18 20 50	LR	28.	404.9		
9	MN-	eP	18 56 44.3	SZ	0.3	.8		
9	MN-	eS	18 57 09	SR	0.3			
10	MN-	eP	02 51 06.0	SZ	0.3	6.5	.8	
10	MN-	eS	02 51 17	SR	0.3	25.3	.4	
10	07 35 57.*		61.3 N 148.8 W ALASKA AFTERSHOCK H= 33 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	MN=	e	05 42 45	SZ	0.8	1.4	92.9	
10	09 33 31.*		22.5 S 64.7 W ARGENTINA BOLIVIA BORDER H=480 KM					
10	16 25 09.*		12. N 87.9 W OFF WEST COAST OF NICARAGUA H= 55 KM MAG 4.20 CGS					
10	DH=	eP	16 54 30.2	SZ	0.3	18.4	1.8	
		eS	54 53	SR	0.3	42.1		
10	MN=	eP	17 31 43.5	SZ	999.9	9999.9		
10	17 55 42.9		31.8 N 93.1 E TIBET H= 71 KM MAG 5.00 CGS					
10	NP=	eP	18 06 50.0	SZ	1.5	39.4	70.3	5.11
10	18 26 54.5		9.4 S 117.6 E SUMBAWA REGION H= 33 KM MAG 5.00 CGS					
10	MN=	eP1	18 45 48.3	SZ	0.8	2.9	122.5	
10	RK=	eP1	18 46 03.6	SZ	1.0	11.7	131.3	
		eSKP	49 21	SZ	1.0	35.3		
10	DH=	eP1	18 46 29.7	SZ	0.7	61.6	145.5	
10	19 13 52.		18. S 167.9 E NEW HEBRIDES ISLANDS H= 47 KM MAG 5.30 CGS					
10	MN=	eP	19 26 43.5	SZ	1.0	9999.9	89.1	
10	HW=	eL	19 37 20	LZ	25	478.5	52.0	
10	19 48 30.5		6.1 S 104.9 E NEAR WEST COAST OF JAVA H= 84 KM MAG 5.40 CGS					
10	RK=	eP	21 03 43.0	SZ	0.4	5.6	2.0	
		eS	04 10	SR	0.5	43.8		
10	22 16 44.8		5. N 127.4 E TALAUD ISLANDS REGION H=146 KM MAG 5.50 CGS					
10	HW=	eP	22 28 22	LZ	20.	965.7	76.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	51 30	LZ	31.	2086.9		
10	NP=	eP	22 29 32.1	SZ	0.8	9.3	90.6	4.93
		eP	29 33	LZ	12	1396.7		
		e	30 49	SZ	1.1	66.7		
		ePP	33 13	SZ	1.6	91.0		
		ePPP	35 00	SZ	1.6	71.8		
		eS	40 18	LR	14	4040.9		
		e	40 21	SZ	1.2	19.4		
		ePS	41 44	LT	28	2775.2		
		eSS	46 35	LT	24	1774.7		
		ePKKP	47 00	SZ	1.1	18.7		
		eLR	23 00 12	LZ	34	5136.7		
10	MN=	eP	22 31 10.0	SZ	1.1	6.1	105.7	
		e	34 32	SZ	1.6	28.7		
		ePP	35 09	LZ	21	542.3		
		e	40 20	SZ	1.0	11.6		
		e	40 37	SZ	1.1	20.5		
		eSKS	41 21	LR	35	1274.8		
		ePS	44 15	LR	20	946.8		
		e	54 40	LR	25	1290.2		
		e	54 40	LR	25	1290.2		
		e	23 00 20	LT	40	4070.2		
		eL	05 00	LZ	32	6904.7		
10	RK=	eP1	22 35 10.0	SZ	0.5	14.2	114.2	
		eP1	35 10	LR	25	276.9		
		eSKS	41 55	LT	35	868.0		
		ePS	45 40	LT	25	1118.1		
		ePKKP	45 50	SZ	0.6	9.8		
		eSS	51 50	LT	20	1551.3		
		eL	23 05 40	LT	40	4945.1		
10	JE=	eP1	22 35 35	LZ	12	466.9	127.6	
		ePP	37 38	LZ	15	781.2		
		e	41 43	LZ	28	20.20		
10	23 25 09.1		59.1 N 153.8 W ALASKA AFTERSHOCK H= 33 KM MAG 5.10 CGS					
10	NP=	eP	23 29 51.6	SZ	0.8	7.9	21.0	4.10
		e	31 24	SZ	1.3	57.1		
		eS	33 45	LT	22	1658.9		
		ePCP	33 52	SZ	1.8	59.1		
		eL	36 06	LT	26	6359.8		
10	MN=	eP	23 31 23.0	SZ	0.8	7.8	30.7	4.61
		eL	39 00	LT	29	2666.6		
10	RK=	eP	23 31 53.6	SZ	0.5	5.3	34.4	4.71
		eL	41 40	LR	23	3748.6		
10	DH=	eP	23 33 57.6	SZ	1.0	51.6	49.7	5.43
		eL	50 50	LZ	20	2012.0		
							AVG.	4.71
11	01 05 20.2		19.5 S 175.4 W TONGA ISLANDS H=272 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	03 11 56.6		65.5 N 168.1 W BERING STRAIT H= 33 KM MAG 4.90 CGS					
11	NP-	eP	03 16 12.2	SZ	1.3	88.5	18.5	4.82
		ePP	16 17	SZ	2.3	1075.3		
		eLR	19 30	SZ	1.0	39.2		
		eSCP	24 26	SZ	1.0	7.8		
11	07 25 49.*		51.5 N 178.6 E RAT ALEUTIAN ISLANDS H= 33 KM MAG 4.30 CGS					
11	10 26 16.8		2.2 S 141.2 E NEAR N. COAST W. NEW GUINEA H= 67 KM					
11	NP-	eP	10 39 29.5	SZ	1.0	11.7	94.4	5.25
11	HW-	eL	10 55 50	LZ	20	106.2	65.6	
11	MN-	eL	11 13 10	LZ	25	293.2	99.7	
11	LC-	eL	11 17 10	LZ	28	276.0	109.9	
11	JE-	eL	11 24 50	LZ	25	189.3	122.0	
11	10 55 06.2		56. S 27.3 W SANDWICH ISLANDS H= 33 KM MAG 5.80 CGS					
11	NP-	eP2	11 14 33.9	SZ	0.8	70.7	143.9	
		ePP	18 03	SZ	1.2	21.4		
11	13 19 44.		1.9 S 141.0 E NEAR N. COAST W. NEW GUINEA H= 40 KM MAG 5.30 CGS					
11	15 20 48.*		2. S 141.2 E NEAR N. CST. WEST NEW GUINEA H= 33 KM MAG 5.70 CGS					
11	17 01 48.5		2. S 140.8 E NEAR N. COAST W. NEW GUINEA H= 18 KM					
11	HW-	eP	17 12 42	LZ	17.	370.6	65.9	
		eSPP	22 02	LZ	20	566.7		
		eL	29 00	LT	20	1588.4		
11	NP-	eP	17 15 07.7	SZ	1.5	61.0	94.3	5.75
		eSKS	25 38	LT	13	1112.7		
		ePS	27 38	LT	21	1048.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	32 56	LT	23.	1555.3		
		eLR	46 30	LT	36	2256.9		
11	LC-	eP	17 20 25	LZ	15	194.4	110.1	
		eSKS	27 05	LR	13	298.8		
		eSP	30 23	LZ	17	371.2		
		eLR	52 35	LZ	28	1535.5		
11	MN-	eSKS	17 26 20	LR	16	351.0	99.9	
		ePS	28 35	LR	20	611.5		
		eSS	34 15	LR	24	1423.9		
		eLQ	43 05	LR	30	1345.8		
		eLR	48 45	LZ	25	1736.8		
11	RK-	ePS	17 30 51	LT	35	1085.0	113.3	
		eSS	36 50	LT	35	1663.7		
		eLQ	51 30	LR	25	1820.2		
		eLR	56 10	LT	29	1770.8		
11	JE-	eLR	17 59 25	LZ	25	1262.0	122.2	
11	17 27 13.4		58.1 N 152.9 W ALASKA AFTERSHOCK H= 30 KM MAG 5.00 CGS					
11	NP-	eP	17 32 07.7	SZ	0.7	54.1	21.8	5.04
11	17 51 51.5		9.2 S 89.5 E EAST OF CHAGOS ARCHIPELAGO H= 33 KM					
11	DH-	eL	18 05 30	LZ	25.	1460.5		
11	LC-	eP	18 06 53.0	SZ	0.2	20.9		
11	LC-	eS	18 07 10	ST	0.3	19.1		
11	18 32 17.9		33.1 N 137.6 E NEAR S. COAST HONSHU, JAPAN H=330 KM MAG 4.80 CGS					
11	NP-	eP	19 11 24.9	SZ	0.7	36.1		
11	19 42 12.8		2.1 S 141.2 E OFF N. COAST WEST NEW GUINEA H= 33 KM					
11	LC-	eL	20 32 30	LZ	30.	75.1	109.8	
11	21 28 08.2		55.9 S 27.7 W SANDWICH ISLANDS H=135 KM MAG 6.10 CGS					
11	LC-	ePP	21 47 23	LZ	24.	155.7	110.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSP	56 20	LZ	24.	202.5		
		e	22 02 20	LZ	20	119.7		
		eLR	21 40	LZ	24	249.2		
11	NP-	eP.2	21 47 25.5	SZ	0.7	79.9	143.7	
		ePP	50 54	SZ	1.2	96.6		
11	JE-	eLR	22 23 10	LT	30	1205.3	103.0	
11	22 18 19.8		40.3 N 126.5 W OFF COAST NORTH CALIFORNIA H= 33 KM MAG 5.40 CGS					
11	MN-	e	22 20 36	LR	20	453.7	6.7	
		eLR	22 10	LR	18	2657.2		
11	LC-	eP	22 22 31.6	SZ	1.1	12.4	17.6	3.99
11	RK-	eP	22 23 43.0	SZ	1.0	21.5	25.1	4.73
		eLR	31 00	LR	25	537.8		
11	NP-	eP	22 25 18.0	SZ	0.9	7.0	36.2	4.51
		ePCP	27 51	SZ	0.7	12.8		
11	HW-	ePP	22 26 00	LZ	20	212.5	32.1	
							AVG.	4.41
12	00 23 05.*		60.1 N 142.9 W ALASKA AFTERSHOCK H= 33 KM MAG 4.20 CGS					
12	NP-	eL	00 33 00	LT	12.	549.7	18.2	
12	03 33 40.*		43.9 N 113.8 W CENTRAL IDAHO H= 33 KM					
12	06 43 51.5		35. S 111.8 W EASTER ISLAND REGION H= 33 KM MAG 4.70 CGS					
12	LC-	eL	07 17 11	LZ	16.	113.4	67.2	
12	07 46 23.6		37.5 N 30.4 E WESTERN TURKEY H= 33 KM					
12	09 57 22.5		7.4 N 73.3 W NORTHERN COLOMBIA H= 93 KM MAG 4.20 CGS					
12	10 50 09.1		2.1 S 141.1 E NEAR N. CST. WEST NEW GUINEA H= 33 KM MAG 5.50 CGS					
12	HW-	eP	11 00 59	LZ	12.	508.6	65.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	09 48	LR	15.	1132.1		
		eL	17 20	LZ	23	306.9		
12	MN-	eP	11 03 58	LZ	15	127.5	99.7	
		eSKS	14 30	LR	13	282.7		
		eSS	22 35	LR	25	904.6		
		eLQ	31 15	LR	25	677.9		
		eLR	35 40	LZ	34	1067.3		
12	NP-	eSKS	11 14 00	LT	10	886.5	94.3	
		ePS	15 55	LT	23	622.1		
		eSS	21 15	LT	20	856.2		
		eL	34 40	LT	33	1029.9		
12	LC-	eSKS	11 15 24	LR	14	130.8	109.9	
		eSP	18 42	LZ	19	201.6		
		ePKKP	19 53	SZ	0.9	3.9		
		e	25 21	LR	27	408.1		
		eLQ	35 29	LR	37	475.1		
		eLR	40 16	LZ	28	771.3		
12	JE-	ePS	11 20 40	LR	14	944.7	122.0	
		eSSS	31 31	LR	21	742.2		
		eL	48 10	LR	28	1042.2		
12	RK-	e	11 39 57	LR	26	1336.5	113.2	
		eL	45 41	LR	25	775.4		
12	DH-	eL	11 50 31	LZ	30	419.40	128.7	
12	NP-	eL	13 11 00	LT	20.	321.0		
12	15 56 21.3		11.4 N 124.9 E CEBU, PHILIPPINE ISLANDS H=183 KM MAG 5.50 CGS					
12	NP-	eP	16 08 37.6	SZ	0.5	31.7	84.9	5.34
		e	18 42	SR	1.2	8.0		
12	LC-	eSP	16 25 05	LZ	22	133.6	114.3	
		eL	57 30	LR	21	168.2		
12	LC-	eP	16 36 38.8	SZ	0.4	4.0	3.0	
		eS	37 16	ST	0.5	7.2		
12	16 44 35.4		2.2 N 83.0 W OFF COAST OF ECUADOR H= 52 KM MAG 4.70 CGS					
12	LC-	eP	16 51 44.8	SZ	1.0	6.7	37.3	4.43
		eL	17 05 32	LZ	21	278.0		
12	MN-	eP	16 53 13.5	SZ	1.0	1.1	48.3	3.81
12	JE-	eL	17 02 03	LZ	21	300.3	30.6	
							AVG.	4.12

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	RK=	eP	17 04 37.1	SZ	0.4	2.4	.7	
		eS	04 48	SR	0.4	5.7		
12	LC-	eP	18 08 30.0	SZ	0.2	5.5	1.5	
		eS	08 50	SR	0.4	11.8		
12	18 12 20.5		26.5 S 178.3 E SOUTH OF FIJI ISLANDS H=648 KM MAG 5.30 CGS					
12	HW-	eP	18 20 37.8	SZ	0.5	434.2	52.6	
12	MN-	eP	18 24 03.5	SZ	1.1	10.2	87.8	
12	LC-	eP	18 24 25.9	SZ	1.0	15.5	92.4	
		e	26 39	SZ	0.9	1.9		
		eS	34 48	LR	21	458.0		
		e	36 00	LZ	16	185.6		
		ePPS	38 05	LR	20	162.2		
		eSS	41 20	LR	20	276.8		
		e	43 32	LR	21	140.2		
		eL	51 10	LR	25	189.1		
12	18 53 34.*		45.5 N 149.9 E KURILE ISLANDS H= 45 KM MAG 4.60 CGS					
12	DH-	eP	18 58 29.4	SZ	0.4	3.4	1.4	
		eS	58 48	SR	0.4	20.6		
12	DH-	eP	20 16 04.3	SZ	0.4	17.3	.8	
		eS	16 15	SR	0.3	35.5		
12	RK-	eP	21 12 01.5	SZ	0.2	3.4	2.3	
		eS	12 31	SR	0.4	10.0		
12	RK-	eP	21 30 37.2	SZ	0.3	.8	2.4	
		eS	31 08	SR	0.4	7.5		
12	22 47 47.2		6.6 S 154.7 E SOLOMON ISLANDS H= 80 KM MAG 5.10 CGS					
12	HW-	eL	23 16 15	LZ	21.	341.3	55.5	
12	LC-	eL	23 34 41	LR	35	234.9	100.8	
12	JE-	eL	23 42 25	LZ	25	121.5	113.2	
13	01 13 32.*		58.8 N 149.9 W ALASKA AFTERSHOCK H= 33 KM MAG 4.40 CGS					
13	02 46 27.*		56.5 N 153.2 W ALASKA AFTERSHOCK H= 33 KM MAG 4.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	MN-	eP	04 02 41.0	SZ	0.9	3.0		
13	04 20 53.5		53.6 N 172.1 E ALEUTIAN NEAR ISLANDS H= 33 KM MAG 5.10 CGS					
13	NP-	e	04 27 33	ST	1.0	7.9	33.7	
		eS	33 00	LR	17	458.6		
		eL	35 08	LR	22	1146.6		
13	MN-	eP	04 29 37.0	SZ	0.5	2.9	48.8	4.54
		eS	36 45	LR	25	909.8		
		eSS	40 15	LR	20	898.9		
		eLQ	42 50	LR	26	1182.1		
		eLR	44 32	LZ	30	1981.4		
13	RK-	eP	04 30 12.5	SZ	0.6	5.9	53.6	4.77
		e	32 40	LR	30	998.3		
		e	37 00	LR	32	1238.8		
		e	40 40	LR	45	2709.4		
		eL	45 10	LR	32	2962.5		
13	LC-	eP	04 30 57.3	SZ	0.9	6.9	59.7	4.71
		eP	30 59	LZ	15	113.2		
		eS	39 14	LR	30	525.4		
		eSS	43 25	LR	25	654.4		
		eLR	49 35	LZ	30	2046.8		
13	JE-	eP	04 31 53.5	SZ	1.0	42.3	68.4	5.50
		eL	53 45	LT	23	894.1		
13	DH-	eP	04 31 54.5	SZ	0.6	8.9	68.6	5.04
13	HW-	eS	04 35 05	LR	20	750.7	41.7	
		eLQ	38 35	LR	15	3010.8		
		eLR	40 20	LZ	26	1049.3		
							AVG.	4.91
13	05 04 23.5		1.9 S 141.2 E OFF N. COAST WEST NEW GUINEA H= 33 KM MAG 5.90 CGS					
13	LC-	eP	07 53 17.0	SZ	0.6	3.7		
13	08 23 45.6		10. N 93.0 E ANDAMAN ISLANDS H= 33 KM MAG 6.10 CGS					
13	MN-	ePD	08 39 03	SZ	0.5	2.9	123.7	
		eP'	42 43	SZ	0.6	3.2		
13	LC-	ePD	08 40 10	SZ	1.1	3.1	133.9	
		eSKP	46 26	SZ	1.0	6.4		
13	08 27 32.		46.2 N 153.3 E KURILE ISLANDS REGION H= 29 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	MN-	eP	08 38 00.9	SZ	1.1	1.9	62.7	4.12
13	NP-	eL	08 46 25	LT	28	462.5	45.1	
13	08 28 38.7		46.4 N 153.3 E KURILE ISLANDS					
			H= 33 KM MAG 5.40 CGS					
13	RK-	eP	08 39 30.5	SZ	0.8	8.4	67.3	4.92
13	DH-	eP	08 40 56.0	SZ	0.7	10.5	81.9	4.97
							AVG.	4.94
13	HW-	eL	08 28 50	LZ	20.	406.8		
13	MN-	eL	08 45 35	LZ	25	548.8		
13	LC-	eLR	08 48 50	LZ	28	512.7		
13	RK-	eL	08 52 40	LT	26	407.7		
13	JE-	eL	09 55 40	LZ	28	467.5		
13	11 14 26.5		27.3 S 178.0 W KERMADEC ISLANDS REGION					
			H= 34 KM MAG 4.80 CGS					
13	MN-	eP	11 27 05.2	SZ	1.1	3.8	86.1	4.39
		eLQ	51 09	LR	25	530.7		
		eLR	53 10	LZ	25	205.8		
13	LC-	eP	11 27 25.5	SZ	1.1	3.1	90.2	4.45
		eLQ	51 20	LR	30	548.3		
		eLR	56 10	LZ	25	344.8		
13	HW-	eSS	11 34 40	LR	28	1946.7	51.7	
		eL	42 53	LZ	18	241.0		
13	JE-	eL	12 08 15	LZ	16	343.7	100.7	
							AVG.	4.42
13	MN-	eP	13 13 52.3	SZ	0.8	8.3		
13	14 01 40.2		3.9 S 154.3 E SOLOMON ISLANDS REGION					
			H=474 KM MAG 5.50 CGS					
13	NP-	e	14 14 04	SR	0.9	10.0	92.9	
		eSKS	23 51	SR	1.4	24.9		
13	RK-	eP	15 08 23.5	SZ	0.3	4.2	4.2	
		eS	09 14	SR	0.4	38.7		
13	DH-	eP	16 09 23.5	SZ	0.4	7.3	1.8	
		eS	09 47	SR	0.4	16.9		
13	17 35 57.8		23. N 94.0 E BURMA					
			H= 61 KM MAG 5.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	NP-	e	17 48 01	ST	0.5	4.0	78.9	
		e	48 16	ST	0.5	8.0		
		eS	57 47	ST	2.0	66.4		
13	18 43 04.*		6.8 N 73.0 W NORTHERN COLOMBIA					
			H=155 KM MAG 4.30 CGS					
13	NP-	eP	18 54 23.0	SZ	0.6	2.7	73.9	4.21
13	RK-	e	19 48 00	LR	30.	292.2		
13	RK-	eL	19 56 30	LR	30	316.5		
13	20 42 17.7		46.4 N 153.3 E KURILE ISLANDS REGION					
			H= 51 KM MAG 4.40 CGS					
13	NP-	eP	20 50 28.6	SZ	0.8	3.7	44.9	4.26
13	22 31 53.5		27.6 S 178.3 W KERMADEC ISLANDS REGION					
			H= 94 KM MAG 5.20 CGS					
13	MN-	eP	22 44 25.8	SZ	1.4	11.1	86.5	4.66
		eS	55 10	LR	25	530.7		
		eSS	23 01 05	LR	25	473.8		
		e	07 15	LR	31	1160.8		
		eLQ	08 20	LR	25	1971.2		
		eLR	11 00	LZ	25	914.6		
13	HW-	eS	22 48 30	LR	20	1952.0	52.1	
		eLQ	54 25	LR	20	1876.9		
		eLR	55 42	LZ	30	1740.3		
13	RK-	ePS	23 00 25	LR	20	207.0	107.7	
		eSS	05 40	LR	30	827.9		
		e	12 50	LT	22	389.8		
		eL	16 35	LT	35	1513.5		
13	NP-	eL	23 25 00	LZ	28	1690.8	109.7	
13	JE-	eL	23 25 18	LZ	18	940.1	101.1	
13	23 23 04.		59.2 N 136.8 W SOUTHEASTERN ALASKA					
			H= 33 KM MAG 4.20 CGS					
13	NP-	eP	23 27 16.6	SZ	0.6	11.1	18.2	4.22
13	MN-	eP	23 28 17.6	SZ	0.8	3.2	24.0	3.87
							AVG.	4.04
13	23 46 44.5		19.3 S 176.5 W TONGA ISLANDS					
			H=285 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	00 56 56.8		48.2 N 154.3 E KURILE ISLANDS H= 40 KM MAG 4.90 CGS					
14	NP-	eP	01 04 53.5	SZ	0.8	11.4	43.0	4.66
14	MN-	eP	01 07 08.5	SZ	0.9	4.8	61.1	4.59
14	RK-	eP	01 07 36.0	SZ	0.9	7.3	65.4	4.79
14	LC-	eP	01 08 31.7	SZ	0.8	1.5	72.1	4.07
							AVG.	4.52
14	01 19 57.7		27.5 S 177.5 W KERMADEC ISLANDS REGION H= 33 KM MAG 4.50 CGS					
14	MN-	eP	01 32 35.5	SZ	0.8	.9	85.9	3.90
14	LC-	eP	01 32 55.0	SZ	1.0	1.3	89.9	4.09
							AVG.	3.99
14	MN-	eP	01 46 25.5	SZ	0.2	8.5	1.8	
		eS	46 35	ST	0.3	17.7		
14	01 46 52.4		48.8 N 128.4 W VANCOUVER ISLAND REGION H= 33 KM					
14	MN-	eP	01 49 55.4	SZ	1.1	5.7	12.7	4.52
14	RK-	eP	01 51 47.9	SZ	1.0	9.5	22.4	4.17
							AVG.	4.34
14	JE-	eL	02 13 43	LZ	17.	180.8		
14	MN-	eP	02 17 57.2	SZ	0.2	1.1	1.4	
		eS	18 14	ST	0.3	6.9		
14	LC-	eP	03 40 00.5	SZ	0.5	.9		
14	LC-	eL	03 42 02	SZ	0.7	1.9		
14	MN-	eP	05 26 17.1	SZ	0.8	.4		
14	LC-	eP	05 26 37.2	SZ	1.0	1.3		
14	05 42 09.*		12. N 89.2 W OFF COAST OF EL SALVADOR H= 33 KM MAG 4.10 CGS					
14	RK-	eL	05 58 38	LR	27.	138.9	82.1	
14	RK-	eL	05 58 38	LR	27	138.9	38.9	
14	MN-	e	05 50 17	LR	24.	205.2		
14	MN-	eLR	05 53 13	LZ	24	133.2		
14	LC-	eP	09 40 20.7	SZ	0.9	5.0		
14	12 15 31.3		38. N 38.5 E SOUTHEASTERN TURKEY H= 8 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	NP-	eP	12 26 14.5	SZ	1.0	20.3	65.2	5.28
		eP	26 15	LZ	30	514.5		
		ePP	28 37	SZ	1.0	16.9		
		eS	35 00	LT	15	2192.7		
		eS	35 00	LR	13	2051.0		
		eSCS	36 15	LT	15	1252.9		
		eL	45 30	LT	30	1286.3		
14	DH-	eP	12 27 42.2	SZ	0.9	23.4	79.8	5.13
		eS	37 42	LT	19	578.7		
		eSS	42 40	LT	24	384.8		
		e	47 00	LT	19	510.6		
		eLQ	51 43	LT	35	1011.7		
		eLR	56 53	LZ	27	1829.4		
		eL	13 03 28	LR	22	1755.8		
		eL	03 28	LT	19	1123.3		
		eL	03 28	LZ	19	2055.9		
14	RK-	eP	12 27 52.5	SZ	0.8	15.4	82.1	5.17
		e	27 53	LR	14	285.4		
		eS	38 00	LT	18	1813.6		
		eLQ	51 15	LT	29	1560.3		
		eLR	13 01 00	LT	23	777.2		
14	JE-	eP	12 29 03.7	SZ	1.1	12.7	96.6	5.42
		eP	29 07	LZ	13	323.5		
		eS	40 30	LR	27	904.5		
		e	50 37	LR	17	739.3		
		eLQ	59 47	LR	24	1071.5		
		eLR	13 03 35	LZ	28	952.4		
		eL	12 43	LT	22	2593.1		
		eL	12 43	LR	18	1884.3		
		eL	12 43	LZ	21	2234.5		
14	MN-	eP	12 29 23.8	SZ	0.9	1.2	101.0	4.43
		eP	29 28	LZ	13	141.9		
		eS	41 02	LR	17	533.6		
		eSS	47 50	LR	21	262.2		
		eLQ	59 34	LR	37	1148.9		
		eLR	13 13 35	LZ	29	767.7		
		eL	19 28	LT	18	1735.5		
		eL	19 28	LR	23	741.1		
		eL	19 28	LZ	21	1671.7		
14	LC-	eP	12 29 31.5	SZ	1.0	2.6	102.8	4.91
14	HW-	eL	13 15 03	LZ	32	232.0	120.8	
							AVG.	5.05
14	12 38 03.7		38.1 N 38.3 E SOUTHERN TURKEY H= 31 KM MAG 4.70 CGS					
14	NP-	eP	12 48 45.0	SZ	1.0	5.0	65.0	4.61
14	LC-	eP	15 39 05.7	SZ	0.7	1.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	17 20 17.5		56.7 N 152.1 W SEA OF OKHOTSK H= 33 KM					
14	NP-	eP	17 25 22.4	SZ	0.5	7.2	22.9	4.39
		e	25 30	SZ	0.4	12.9		
14	MN-	eP	17 26 15.4	SZ	0.7	.3	28.9	3.28
							AVG.	3.83
14	19 27 59.4		6.8 S 129.8 E BANDA SEA H= 81 KM MAG 4.70 CGS					
14	HW-	eP	21 23 25.4	SZ	0.2	170.0	.6	
		eS	23 34	ST	0.2	151.5		
14	RK-	eP	21 46 47.0	SZ	0.7	4.7		
14	MN-	eP	21 47 57.6	SZ	0.4	2.4	3.3	
		eS	48 39	ST	0.5	6.6		
14	MN-	eP	22 31 12.2	SZ	0.2	.3	3.4	
		e	31 19	SZ	0.6	3.5		
		eS	31 54	ST	0.7	4.1		
14	23 56 29.9		56.1 S 25.0 W SANDWICH ISLANDS H= 33 KM MAG 5.30 CGS					
15	00 05 31.1		5.4 N 97.0 E NORTHERN SUMATRA H= 33 KM MAG 5.50 CGS					
15	NP-	eP	00 18 57.0	SZ	0.7	14.7	95.8	5.61
		e	21 57	SZ	1.5	15.3		
		e	22 13	SZ	1.9	45.1		
		ePP	22 42	SZ	1.5	30.7		
		e	27 24	SZ	1.9	22.5		
		e	28 37	LR	24	785.0		
		eSSS	40 20	LR	27	2623.2		
		eLR	56 49	LZ	30	7074.8		
15	MN-	eP*	00 24 33.2	SZ	0.8	6.9	125.6	
		ePP	26 28	SZ	2.0	58.5		
		eSKKS	33 26	LR	30	494.9		
		eSPP	37 51	SZ	1.0	2.3		
		e	41 29	LR	24	466.4		
		e	44 18	LR	37	3414.1		
		e	44 18	LR	37	3414.1		
		eSSS	47 51	LR	30	1687.4		
		e	59 22	LT	30	1955.6		
		eLQ	01 03 17	LR	28	867.9		
		eLR	06 16	LR	29	2322.6		
15	LC-	eP*	00 24 49.6	SZ	0.7	1.3	136.2	
		ePP	27 38	SZ	1.6	45.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	JE-	eP*1	00 24 57.8	SZ	0.7	10.5	142.0	
		eP*1	25 00	LZ	9	1241.9		
		ePP	28 08	SZ	2.0	264.8		
		ePKS	28 21	LR	12	1644.3		
		eSKKS	35 14	LT	15	643.2		
		ePSKS	38 15	LR	20	914.5		
		e	40 03	LZ	27	476.9		
		e	40 03	LZ	27	476.9		
		eSKKS	41 02	LR	17	1275.9		
		e	48 14	LR	19	2462.1		
		e	54 44	LR	27	2289.4		
		e	57 32	LR	20	2743.7		
		e	59 45	LR	22	1240.4		
		e	01 03 16	LR	18	2185.7		
		e	06 00	LT	19	1488.0		
		e	09 25	LR	26	3614.1		
		eL	12 08	LR	27	4483.4		
15	HW-	eSS	00 38 48	LR	26	1960.3	104.3	
		e	42 30	LZ	25	494.9		
		e	46 05	LZ	20	1034.5		
		eLQ	49 00	LT	28	3061.8		
		eLR	52 59	LZ	24	904.7		
15	DH-	eSS	00 44 57	LR	29	1075.4	132.0	
		eLQ	01 04 42	LR	55	9133.6		
		eLR	13 19	LZ	40	6967.4		
15	NP-	eP	00 16 01.1	SZ	1.0	76.1		
15	MN-	eP	01 33 48.5	SZ	0.3	.8	.9	
		eS	34 01	SZ	0.5	5.8		
15	02 05 37.1		17.4 S 174.9 W TONGA ISLANDS REGION H=148 KM MAG 4.50 CGS					
15	MN-	eP	02 17 14.3	SZ	1.2	10.8	76.9	4.51
		e	18 01	SZ	1.1	9.6		
15	JE-	eL	05 31 52	LT	35.	1243.9		
15	MN-	eP	06 25 04.0	SZ	0.5	2.9	3.1	
		eS	25 42	ST	0.4	2.2		
15	LC-	eP	09 21 11.4	SZ	0.6	4.4		
15	09 28 04.*		56.7 N 151.6 W ALASKA AFTERSHOCK H= 33 KM MAG 4.40 CGS					
15	NP-	eP	09 33 05.4	SZ	1.0	15.5	22.9	4.42
15	09 41 24.2		12.6 N 88.3 W OFF COAST OF SAN SALVADOR H= 56 KM MAG 4.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	LC-	eP	09 47 56.7	SZ	0.6	2.2		
15	10 53 06.7		40.1 N 138.5 E SEA OF JAPAN					
			H= 15 KM MAG 5.20 CGS					
15	NP-	eP	11 02 33.5	SZ	1.0	41.5	54.2	5.42
15	MN-	eP	11 04 49.6	SZ	0.7	8.5	75.0	4.86
							AVG.	5.14
15	LC-	eP	11 04 52.9	SZ	0.6	3.3		
15	11 13 47.*		12.6 N 88.0 W OFF COAST OF EL SALVADOR					
			H= 14 KM MAG 4.10 CGS					
15	MN-	eLQ	11 30 03	LT	19.	66.2	37.1	
		eLR	32 55	LT	17	123.8		
15	DH-	eL	11 33 49	LZ	17	194.9	31.7	
15	11 27 24.*		12.1 N 89.3 W OFF COAST OF EL SALVADOR					
			H= 33 KM MAG 3.60 CGS					
15	12 01 33.1		37.5 N 114.6 W SOUTHERN NEVADA					
			H= 33 KM					
15	MN-	eP	12 02 18.1	SZ	0.3	5.2	3.0	4.05
		e	03 17	ST	0.4	13.6		
15	LC-	eP	12 04 12.0	SZ	0.8	4.6		
15	MN-	eP	15 28 07.1	SZ	0.3	2.5	1.2	
		eS	28 23	ST	0.4	2.5		
15	DH-	eP	16 03 05.6	SZ	0.4	13.5	1.9	
		eS	03 30	SR	0.4	25.4		
15	MN-	eP	16 04 21.2	SZ	0.5	5.8	.7	
		eS	04 36	SR	0.4	8.0		
15	LC-	eP	16 05 16.9	SZ	0.2	1.2	2.5	
		eS	05 48	SR	0.5	1.9		
15	16 13 32.*		59.1 N 144.6 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 4.40 CGS					
15	NP-	eP	16 17 54.5	SZ	1.3	8.3	19.4	3.84
15	MN-	eP	16 19 13.2	SZ	1.0	2.3	26.7	3.78
		eL	27 25	LR	18	145.4		
							AVG.	3.81
15	16 27 09.9		45.4 N 149.8 E KURILE ISLANDS					
			H= 53 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	MN-	eP	16 37 47.9	SZ	0.7	1.5	65.2	4.19
		e	38 03	SZ	1.0	4.6		
		e	38 03	SZ	1.0	4.6		
15	MN-	eP	17 31 46.0	SZ	0.4	2.9	1.0	
		eS	32 00	ST	0.3	1.7		
15	DH-	eP	19 03 42.0	SZ	0.3	10.5	2.2	
		eS	04 11	SR	0.4	41.3		
15	20 19 15.*		58.8 N 150.3 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 5.10 CGS					
15	NP-	eP	20 23 54.1	SZ	0.5	4.1	20.6	3.99
15	MN-	e	21 38 05	LT	17.	84.2		
15	JE-	eP	21 51 05.6	SZ	0.4	10.9		
15	LC-	eP	21 52 18.0	SZ	0.5	1.9		
15	MN-	eP	21 53 57.6	SZ	0.7	2.7		
15	NP-	eP	21 57 33.7	SZ	0.6	4.8		
15	MN-	eP	22 23 18.6	SZ	0.6	1.9		
15	MN-	eP	22 31 54.9	SZ	0.4	9999.9	1.5	
		eS	32 15	ST	0.4	9999.9		
15	MN-	e	22 40 00	LT	20	127.8		
15	22 53 04.5		62.1 N 64.9 W BAFFIN ISLAND REGION					
			H= 33 KM MAG 4.10 CGS					
15	NP-	eP	22 58 04.8	SZ	0.7	4.5	22.7	4.03
		eL	23 04 19	SZ	1.0	19.0		
		e	04 50	SZ	1.0	32.8		
15	LC-	eL	23 13 25	SR	3.4	113.7	39.9	
15	DH-	eP	23 01 24.1	SZ	0.4	3.3		
15	DH-	eL	23 03 43	SR	0.6	34.7		
15	MN-	eP	23 24 20.6	SZ	0.3	9.1	.5	
		eS	24 28	ST	0.5	12.7		
16	MN-	eP	01 08 31.5	SZ	0.5	4.5	2.9	
		eS	09 05	SR	0.4	5.9		
16	04 01 44.3		38.3 N 139.1 E NEAR W. COAST HONSHU, JAPAN					
			H= 57 KM MAG 7.37 CGS					
16	NP-	eP	04 11 15.3	SZ	1.0	214.2	55.8	6.13
		eP	11 16	LZ	25	32.5U		
		eS	19 04	ST	3.0	1957.6		
		eS	19 10	LT	999	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	19 56	ST	3.0	1779.7		
		eL	34 00	SZ	19.0	197.1U		
16	HW-	eP	04 11 39.0	SZ	1.3	221.8	58.7	6.03
		eP	11 40	LZ	999	9999.9		
		e	11 43	SZ	1.3	739.6		
		e	12 08	SZ	1.5	1470.5		
		eS	19 30	LT	999	9999.9		
16	MN-	eP	04 13 25	LZ	999	9999.9U	75.8	
		eP	13 25	SZ	0.9	19.6		5.06
		e	23 20	ST	4.0	1710.2		
		e	24 01	SR	3.5	1398.4		
		eL	35 00	ST	17.0	42.7U		
16	RK-	eP	04 13 45.6	SZ	1.0	43.9	79.9	5.29
		e	13 50	LT	25	9999.9		
		e	16 50	LT	30	9999.9		
		e	24 00	LR	999	9999.9		
		eL	51 00	SZ	18.0	117.7U		
16	LC-	eP	04 14 23.5	SZ	0.9	9.1	86.8	4.87
		e	14 26	SZ	0.9	40.7		
		e	16 58	SZ	1.4	144.8		
		ePP	17 54	SZ	2.3	535.9		
		e	19 04	SZ	2.0	239.7		
		e	19 04	SZ	2.0	239.7		
		e	25 15	ST	3.8	837.0		
		eL	41 32	ST	17.0	49.8U		
16	DH-	eP	04 14 56.6	SZ	0.7	10.1	94.1	5.32
		eP	14 58	LZ	999	9999.9		
		e	14 59	SZ	0.8	84.1		
		e	17 54	SZ	1.4	120.9		
		ePP	18 53	SZ	2.2	857.5		
		ePP	18 54	LZ	999	9999.9		
		e	23 27	LT	18	3504.8		
		eSKS	25 00	LT	999	9999.9		
16	JE-	eP	04 15 08.0	SZ	0.9	65.1	95.6	6.12
		eP	15 08	LZ	22	12.5U		
		ePP	18 55	SZ	2.2	804.5		
		eS	26 40	LT	999	9999.9		
							AVG.	5.54

16 04 17 38. 38.9 N 139.1 E NEAR W. COAST HONSHU, JAPAN
H= 13 KM MAG 5.50 CGS

16	NP-	eP	04 27 13.0	SZ	1.0	140.6	55.3	5.95
		e	29 50	SZ	0.6	30.5		
16	MN-	eP	04 29 23.0	SZ	1.3	80.8	75.4	5.60
		e	40 30	SZ	2.0	98.5		
		e	43 38	SZ	0.8	5.3		
16	RK-	eP	04 29 44.0	SZ	1.0	39.0	79.4	5.33
		eSP	40 40	SZ	1.0	21.9		
		e	43 58	SZ	0.5	4.6		
16	LC-	eP	04 30 22.0	SZ	1.2	28.4	86.5	5.30

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	30 29	SZ	1.0	31.7		
		e	40 27	SZ	0.8	1.5		
		e	44 36	SZ	0.9	4.0		
16	DH-	eP	04 30 55.0	SZ	0.7	25.2	93.5	5.71
							AVG.	5.57

16 04 35 30.2 38.5 N 138.7 E NEAR W. COAST HONSHU, JAPAN
H= 33 KM MAG 5.60 CGS

16	NP-	eP	04 45 04.0	SZ	1.0	32.4	55.7	5.31
16	RK-	eP	04 47 37.0	SZ	1.5	35.8	79.9	5.05
16	LC-	eP	04 48 14.0	SZ	1.0	6.6	87.0	4.75
		e	59 18	SZ	1.0	9.2		
		e	05 01 01	SZ	3.3	217.9		
		ePKKP	05 54	SZ	1.0	3.9		
							AVG.	5.03

16 04 40 45.2 38.3 N 138.7 E NEAR W. COAST HONSHU, JAPAN
H= 33 KM MAG 4.80 CGS

16	NP-	eP	04 50 22.0	SZ	0.8	26.0	55.9	5.31
		e	51 47	SZ	1.0	23.8		
16	MN-	eP	04 52 31.0	SZ	1.0	7.5	76.0	4.68
							AVG.	4.99

16	NP-	e	04 41 14	SZ	1.5	134.6		

16 04 46 37.9 39. N 139.1 E NEAR W. COAST HONSHU, JAPAN
H= 33 KM MAG 5.40 CGS

16	MN-	eP	04 58 20.0	SZ	1.0	16.5	75.4	4.98
		e	05 00 52	SZ	3.0	220.1		
		e	00 52	SZ	3.0	220.1		
16	RK-	eP	04 58 41.0	SZ	1.0	19.5	79.3	5.00
		e	05 00 50	SZ	1.5	57.3		
							AVG.	4.99

16 04 50 33.* 39. N 139.0 E NEAR W. COAST HONSHU, JAPAN
H= 33 KM MAG 4.60 CGS

16	NP-	eP	05 00 04.0	SZ	0.9	17.3	55.2	5.09

16 04 53 08.8 38.5 N 138.7 E NEAR W. COAST HONSHU, JAPAN
H= 20 KM

16	NP-	eP	05 02 45.0	SZ	1.0	17.3	55.7	5.04
16	MN-	eP	05 04 56.0	SZ	0.6	3.4	75.9	4.59
							AVG.	4.81

16 04 55 46.8 38.3 N 138.7 E NEAR W. COAST HONSHU, JAPAN
H= 18 KM MAG 4.20 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16		NP- eP	05 05 25.0	SZ	1.0	17.3	55.9	5.04
16		NP- e	04 56 09	SZ	1.0	64.9		
16	04 58 46.		38.7 N 138.9 E NEAR W. COAST HONSHU, JAPAN					
			H= 33 KM MAG 4.90 CGS					
16		NP- eP	05 08 19.0	SZ	0.9	38.6	55.5	5.43
16		MN- eP	05 10 30.0	SZ	1.0	13.5	75.7	4.91
16		RK- eP	05 10 50.0	SZ	0.9	9.3	79.6	4.71
16		LC- eP	05 11 28.0	SZ	0.8	3.1	86.7	4.50
							AVG.	4.88
16	05 11 35.7		39. N 139.0 E NEAR W. COAST HONSHU, JAPAN					
			H= 33 KM MAG 4.70 CGS					
16		NP- eP	05 21 18.0	SZ	0.8	27.6	55.2	5.34
16	05 22 09.3		38.7 N 139.1 E NEAR W. COAST HONSHU, JAPAN					
			H= 15 KM MAG 4.80 CGS					
16		NP- eP	05 31 45.0	SZ	0.9	42.5	55.4	5.47
16		MN- eP	05 33 55.0	SZ	0.6	8.4	75.5	4.96
16		RK- eP	05 34 16.0	SZ	1.0	9.7	79.6	4.71
							AVG.	5.04
16	05 37 53.*		38.8 N 138.9 E NEAR W. COAST HONSHU, JAPAN					
			H= 33 KM					
16	05 39 24.5		38.8 N 139.0 E NEAR W. COAST HONSHU, JAPAN					
			H= 35 KM MAG 4.90 CGS					
16		NP- e	05 49 16	SZ	1.0	45.4	55.4	
		e	49 16	SZ	1.0	45.4		
16		RK- eP	05 51 27.0	SZ	1.0	12.1	79.5	4.78
16	05 46 37.8		38.5 N 138.9 E NEAR W. COAST HONSHU, JAPAN					
			H= 33 KM MAG 4.70 CGS					
16		NP- eP	05 56 12.0	SZ	0.9	21.2	55.7	5.17
16		LC- eP	05 59 20.5	SZ	0.7	1.3	86.8	4.19
							AVG.	4.68
16		NP- eP	06 02 40.0	SZ	1.0	155.8		
16	06 17 07.8		38.4 N 138.9 E NEAR W. COAST HONSHU, JAPAN					
			H= 28 KM MAG 5.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16		NP- eP	06 26 43.5	SZ	1.0	45.4	55.8	5.46
16		MN- eP	06 28 53.1	SZ	1.3	24.5	75.8	5.08
16		RK- eP	06 29 13.5	SZ	1.0	14.6	79.9	4.84
16		LC- eP	06 29 51.6	SZ	1.0	9.2	86.9	4.90
							AVG.	5.07
16	06 33 30.*		38.6 N 138.5 E NEAR W. COAST HONSHU, JAPAN					
			H= 33 KM MAG 4.10 CGS					
16		MN- e	06 48 30	LR	25.	469.1		
16	06 52 20.5		36.7 N 134.8 E NEAR COAST S. HONSHU, JAPAN					
			H= 33 KM MAG 4.10 CGS					
16	06 53 05.		38.7 N 139.0 E NEAR W. COAST HONSHU, JAPAN					
			H= 15 KM MAG 5.60 CGS					
16		MN- eP	07 04 51.0	SZ	1.0	44.2	75.6	5.47
		e	15 07	SZ	1.0	3.0		
		e	20 45	SZ	0.8	3.1		
16		RK- eP	07 05 11.4	SZ	1.0	46.3	79.6	5.38
16		LC- eP	07 05 49.3	SZ	1.1	29.3	86.6	5.36
		e	06 30	SZ	1.0	9.2		
		ePP	09 12	SZ	1.8	18.8		
16		DH- eP	07 06 22.6	SZ	1.0	40.6	93.7	5.75
							AVG.	5.49
16		MN- e	06 57 13	LT	34.	485.0		
16		MN- eL	07 01 40	LR	32	307.9		
16	07 09 00.7		38.3 N 139.0 E NEAR W. COAST HONSHU, JAPAN					
			H= 33 KM MAG 4.90 CGS					
16		NP- eP	07 18 35.5	SZ	1.0	30.3	55.9	5.28
16		LC- eP	07 21 43.7	SZ	0.9	2.0	86.9	4.28
							AVG.	4.78
16	07 14 57.1		38.5 N 139.2 E NEAR W. COAST HONSHU, JAPAN					
			H= 16 KM MAG 5.90 CGS					
16		NP- eP	07 24 33.5	SZ	0.8	109.0	55.6	5.93
16		MN- eP	07 26 43.4	SZ	999.9	9999.9	75.6	
16		RK- eP	07 27 04.0	SZ	1.1	60.2	79.7	5.45
16		LC- eP	07 27 41.5	SZ	1.1	47.3	86.6	5.56
16		DH- eP	07 28 15.0	SZ	0.8	36.0	93.9	5.78
							AVG.	5.68

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	07 17 21.5		38.8 N 139.1 E NEAR W. COAST HONSHU, JAPAN H= 20 KM MAG 5.1 CGS					
16	NP-	eP	07 26 54.0	SZ	0.8	30.9	55.4	5.39
16	MN-	eP	07 29 06.0	SZ	0.9	15.5	75.5	5.04
16	LC-	eP	07 30 05.0	SZ	1.2	16.2	86.5	5.04
							AVG.	5.15
16	07 27 40.3		38.9 N 139.0 E NEAR W. COAST HONSHU, JAPAN H= 15 KM MAG 4.5 CGS					
16	MN-	eP	07 39 26.0	SZ	1.0	4.5	75.5	4.47
16	LC-	e	07 31 03	SZ	1.4	15.7		
16	07 51 10.4		38.4 N 138.9 E NEAR W. COAST HONSHU, JAPAN H= 15 KM MAG 4.9 CGS					
16	NP-	eP	08 00 48.5	SZ	1.0	32.4	55.8	5.31
16	MN-	eP	08 02 58.2	SZ	0.9	6.9	75.8	4.72
16	LC-	eP	08 03 56.3	SZ	1.0	5.2	86.9	4.68
							AVG.	4.90
16	08 15 14.2		38.8 N 138.8 E NEAR W. COAST HONSHU, JAPAN H= 15 KM MAG 4.7 CGS					
16	NP-	eP	08 24 50.0	SZ	1.0	30.3	55.4	5.28
16	MN-	eP	08 27 00.3	SZ	0.8	3.9	75.7	4.53
							AVG.	4.90
16	08 22 22.5		31.4 N 132.2 E OFF EAST COAST KYUSHU, JAPAN H= 33 KM MAG 4.2 CGS					
16	08 34 08.7		22. S 175.8 W TONGA ISLANDS H= 33 KM MAG 4.6 CGS					
16	MN-	eP	08 46 21.5	SZ	0.8	2.6	80.8	4.24
16	LC-	eP	08 46 45.6	SZ	0.9	8.1	85.4	4.83
							AVG.	4.53
16	09 00 41.6		20. S 170.2 E NEW HEBRIDES ISLANDS H= 33 KM MAG 4.5 CGS					
16	09 10 22.1		38.4 N 139.1 E NEAR W. COAST HONSHU, JAPAN H= 33 KM MAG 4.7 CGS					
16	NP-	eP	09 19 56.4	SZ	1.0	19.4	55.7	5.09

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	MN-	eP	09 22 06.3	SZ	0.9	4.6	75.7	4.49
							AVG.	4.79
16	NP-	eP	09 40 10.0	SZ	0.9	28.9		
16	09 56 46.1		17.3 S 178.7 W FIJI ISLANDS H=502 KM MAG 4.3 CGS					
16	MN-	eP	10 07 59.3	SZ	1.0	12.0	79.3	4.28
16	10 23 39.7		61.2 N 146.8 W ALASKA AFTERSHOCK H= 40 KM MAG 4.5 CGS					
16	MN-	eP	10 29 36.5	SZ	0.9	5.1	28.9	4.28
		ePCP	32 33	SZ	0.8	1.7		
16	11 11 17.4		38.8 N 138.7 E NEAR W. COAST HONSHU, JAPAN H= 33 KM MAG 4.3 CGS					
16	NP-	eP	11 20 51.0	SZ	0.8	4.8	55.4	4.59
16	11 16 03.1		2. S 141.1 E NEAR NORTH COAST NEW GUINEA H= 13 KM MAG 5.9 CGS					
16	JE-	eL	12 13 30	LZ	26.	485.4	121.9	
16	11 43 05.6		38.6 N 138.8 E NEAR W. COAST HONSHU, JAPAN H= 15 KM MAG 4.8 CGS					
16	NP-	eP	11 52 43.0	SZ	1.0	21.6	55.6	5.14
16	MN-	eP	11 54 53.2	SZ	0.9	5.1	75.8	4.60
							AVG.	4.87
16	12 14 51.*		38.4 N 138.3 E NEAR W. COAST HONSHU, JAPAN H= 33 KM MAG 4.3 CGS					
16	NP-	eP	12 24 27.0	SZ	0.9	9.6	55.9	4.83
16	MN-	eP	12 26 36.8	SZ	0.6	1.8	76.2	4.30
							AVG.	4.56
16	DH-	eP	13 01 31.5	SZ	0.3	3.6	2.7	
		eS	02 06	SR	0.3	73.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	13 34 00.*		38.9 N 138.5 E NEAR W. COAST HONSHU, JAPAN H= 33 KM MAG 4.10 CGS					
16	15 08 24.*		38.7 N 138.4 E NEAR W. COAST HONSHU, JAPAN H= 33 KM MAG 4.50 CGS					
16	MN-	eP	16 34 50.8	SZ	0.3	5.3		
16	17 08 30.8		15.6 N 147.2 E MARIANA ISLANDS H= 33 KM MAG 4.80 CGS					
16	NP-	eP	17 20 14.4	SZ	1.0	15.1	75.8	4.97
16	17 23 30.4		5.8 S 154.0 E SOLOMON ISLANDS REGION H= 60 KM MAG 5.70 CGS					
16	DH-	eP	17 42 44.6	SZ	0.3	18.1	1.9	
		eS	43 09	SR	0.4	48.2		
16	18 26 09.*		38.4 N 138.9 E NEAR W. CST. HONSHU, JAPAN H= 9 KM MAG 4.70 CGS					
16	NP-	eP	18 35 47.5	SZ	1.0	17.3	55.8	5.04
16	RK-	e	18 48 45	LT	36	1343.1	79.9	
		eL	19 04 10	LT	30	1217.5		
16	DH-	eP	19 01 23.6	SZ	0.3	3.6	3.0	
		eS	02 01	SR	0.4	3.2		
16	19 54 46.5		19.6 N 66.8 W OFF NORTH COAST PUERTO RICO H= 30 KM MAG 4.70 CGS					
16	RK-	eP	20 02 00.5	SZ	0.8	31.7	37.7	5.16
16	MN-	eP	20 03 25.0	SZ	1.1	9.2	48.0	4.74
16	NP-	eP	20 05 08.6	SZ	1.0	28.1	62.6	5.33
							AVG.	5.07
16	DH-	eP	20 00 13.8	SZ	0.4	7.0	1.9	
		eS	00 38	SR	0.5	17.6		
16	DH-	eP	20 04 01.8	SZ	0.3	3.6	1.7	
		eS	04 25	SR	0.4	41.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	22 03 14.*		15.3 S 172.8 W SAMOA ISLANDS REGION H= 33 KM MAG 4.70 CGS					
16	MN-	eP	22 14 49.2	SZ	1.1	7.4	74.0	4.56
16	HW-	eP	22 04 57.6	SZ	0.2	109.8	.9	
		eS	05 09	SR	0.2	439.5		
16	MN-	eP	22 19 26.0	SZ	0.4	3.3	1.0	
		eS	19 39	SR	0.5	15.6		
16	23 32 01.*		15.5 N 92.4 W GUATEMALA MEXICO BORDER REG. H= 33 KM MAG 3.60 CGS					
17	MN-	eP	01 02 38.3	SZ	999.9	9999.9		
17	RK-	eP	05 46 34.3	SZ	0.7	3.5		
17	06 04 48.*		16.7 N 100.0 W GUERRERO, MEXICO H= 33 KM MAG 4.00 CGS					
17	LC-	eP	06 08 52.4	SZ	1.0	19.0	16.7	4.21
17	RK-	eP	06 11 33.9	SZ	0.8	8.3	34.4	4.70
							AVG.	4.45
17	07 12 08.*		38.4 N 138.3 E NEAR W. COAST HONSHU, JAPAN H= 33 KM MAG 4.50 CGS					
17	07 48 58.5		19.6 S 169.0 E NEW HEBRIDES ISLANDS H= 58 KM MAG 4.50 CGS					
17	MN-	eP	08 01 49.8	SZ	0.8	2.2	89.3	4.39
17	09 11 42.*		12. N 87.2 W NEAR SOUTH COAST NICARAGUA H= 33 KM MAG 4.10 CGS					
17	10 59 27.*		60.1 N 149.5 W ALASKA AFTERSHOCK H= 72 KM MAG 4.10 CGS					
17	NP-	eP	11 03 48.5	SZ	1.0	8.7	19.3	4.01

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	RK-	eP	13 03 15.6	SZ	0.2	5.5	2.8	
		eS	03 46	SR	0.3	13.2		
17	13 38 16.*		45.7 N 26.5 E RUMANIA					
			H=145 KM					
17	15 10 44.3		38.7 N 139.0 E NEAR W. COAST HONSHU, JAPAN					
			H= 27 KM MAG 5.00 CGS					
17	NP-	eP	15 20 17.4	SZ	1.0	22.7	55.5	5.16
17	MN-	eP	15 22 28.6	SZ	0.5	1.1	75.6	4.15
17	RK-	eP	15 22 48.7	SZ	0.9	7.2	79.6	4.61
							AVG.	4.64
17	DH-	eP	15 22 25.0	SZ	1.0	20.0		
17	NP-	eP	15 40 50.9	SZ	0.8	9.2		
17	RK-	eP	16 20 41.5	SZ	0.2	7.8	4.0	
		e	20 49	SZ	0.4	5.6		
		eS	21 31	SR	0.5	33.3		
17	RK-	eP	16 38 41.6	SZ	0.3	3.3	.8	
		eS	38 53	SR	0.4	12.8		
17	LC-	eP	17 23 27.0	SZ	1.0	5.4		
17	DH-	eP	18 04 26.0	SZ	0.2	9.5	1.5	
		eS	04 47	SR	0.3	38.2		
17	MN-	eP	18 18 12.0	SZ	0.3	7.7	.6	
		eS	18 20	SR	0.4	7.9		
17	LC-	eP	20 24 36.4	SZ	0.2	19.4	1.3	
17	MN-	eP	20 24 41.6	SZ	0.4	8.8	.6	
		eS	24 50	ST	0.4	11.3		
17	LC-	eS	20 24 54	ST	0.4	8.8	1.3	
17	DH-	eP	21 52 26.0	SZ	0.2	4.7	2.0	
		eS	52 52	SR	0.3	41.4		
17	22 17 37.9		23.8 S 179.7 W FIJI ISLANDS REGION					
			H=504 KM MAG 4.80 CGS					
17	LC-	eP	22 40 03.0	SZ	0.8	19.3		
17	MN-	eP	22 41 01.6	SZ	0.5	4.2	2.6	
		eS	41 35	SR	0.8	10.2		
18	02 54 35.8		7.2 N 76.3 W COLOMBIA					
			H= 41 KM MAG 3.90 CGS					
18	05 58 21.2		38.7 N 138.5 E NEAR W. COAST HONSHU, JAPAN					
			H= 33 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	NP-	eP	06 07 54.7	SZ	0.9	653.3	55.6	6.66
18	NP-	eP	08 21 12.1	SZ	0.2	730.2		
18	NP-	eS	08 21 28	ST	0.3			
18	08 24 27.*		59.9 N 147.2 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 4.40 CGS					
18	NP-	eP	12 45 49.0	SZ	1.0	243.9		
18	NP-	e	12 45 52	SZ	0.7	1604.6		
18	RK-	eP	12 47 30.0	SZ	0.7	2.3		
18	NP-	eP	15 12 03.0	SZ	0.7	240.6		
18	DH-	eP	16 15 05.8	SZ	0.2	4.7		
18	DH-	eS	16 15 31	SR	0.3	16.2		
18	LC-	eP	17 06 58.4	SZ	0.2	1.2		
18	LC-	e	17 07 03	SZ	0.2	3.7		
18	NP-	eP	17 07 18.3	SZ	0.9	217.7		
18	LC-	eS	17 07 36	ST	0.4	9.3		
18	DH-	eP	17 26 40.2	SZ	0.3	14.3		
18	DH-	eS	17 27 05	SR	0.3	38.9		
18	18 01 47.6		47.5 N 154.9 E KURILE ISLANDS					
			H= 33 KM MAG 5.30 CGS					
18	NP-	eP	18 09 49.0	SZ	1.0	853.6	43.5	6.43
		ePCS	15 22	LR	15	1873.1		
		eSS	19 40	LR	23	1169.5		
		eLR	27 28	LZ	22	913.7		
18	HW-	eP	18 10 20	LZ	12	420.1	48.3	
		eS	17 20	LT	19	1563.7		
		eLR	23 30	LZ	27	895.7		
		eL	28 39	LT	19	2314.8		
		eL	28 39	LR	17	886.0		
		eL	28 39	LZ	19	1778.4		
18	RK-	eP	18 12 30.0	SZ	0.8	5.5	65.7	4.74
		eL	38 25	LR	20	1422.6		
18	LC-	eP	18 13 10.8	SZ	0.6	1.1	72.1	4.07
18	DH-	eP	18 13 51.7	SZ	0.6	4.2	80.4	4.54
		eP	14 00	LZ	16	141.0		
		eS	24 03	LR	22	240.2		
		eSS	29 12	LR	22	205.9		
		eL	34 05	LZ	21	217.3		
		eL	48 36	LR	23	1029.5		
		eL	48 36	LT	19	429.2		
		eL	48 36	LZ	20	517.8		
18	MN-	eS	18 20 11	LT	18	394.0	61.1	
		eLQ	27 12	LT	24	518.9		
		eL	28 50	LT	22	702.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	28 50	LR	18.	281.8		
		eL	28 50	LZ	21	237.9		
18	JE-	eLR	18 45 05	LT	22	776.2	72.5	
		eL	49 07	LT	18	3723.5		
		eL	49 07	LR	18	3606.5		
		eL	49 07	LZ	20	905.4		
							AVG.	4.94
18	DH-	eP	18 36 18.4	SZ	0.3	17.9		
18	DH-	eS	18 36 43	SR	0.3	29.2		
18	DH-	eP	18 45 02.3	SZ	0.3	7.1		
18	DH-	eS	18 45 26	SR	0.3	19.4		
18	LC-	eP	20 20 33.3	SZ	0.2	5.0		
18	LC-	eS	20 20 48	ST	0.3	7.9		
18	20 33 53.3		39.3 S 74.7 W OFF COAST OF CENTRAL CHILE H= 26 KM MAG 5.30 CGS					
18	JE-	eP	20 45 19.3	SZ	1.0	42.3	72.5	5.45
		eP	45 20	LZ	13	348.6		
		eL	21 08 10	LZ	30	867.8		
18	DH-	eP	20 46 07.3	SZ	1.0	20.0	81.2	5.07
		eP	46 11	LZ	13	307.6		
		eS	56 00	LR	18	461.7		
		eLQ	21 09 15	LR	23	240.2		
		eLR	14 16	LZ	28	519.5		
18	RK-	eP	20 46 56.0	SZ	0.7	2.3	91.3	4.60
18	NP-	eP'	20 52 37.7	SZ	1.0	365.8	118.7	
18	MN-	eS	20 57 20	LR	25	336.2	87.0	
		eSS	21 02 55	LR	27	520.4		
		eSSS	06 51	LR	25	474.7		
		eLQ	11 10	LT	32	1101.2		
		eLR	16 17	LZ	26	1280.3		
		eL	22 48	LR	16	685.0		
		eL	22 48	LT	16	614.7		
		eL	22 48	LZ	16	586.8		
18	HW-	e	21 05 00	LZ	22	515.0	95.7	
		eLR	17 55	LZ	25	1175.3		
							AVG.	5.04
18	LC-	eP	21 09 36.8	SZ	0.2	17.6		
18	LC-	eS	21 09 56	ST	0.4	11.9		
18	RK-	eP	21 29 12.0	SZ	0.3	1.6		
18	RK-	eS	21 29 45	SR	0.4	23.4		
18	LC-	eP	22 45 45.8	SZ	1.0	29.1		
19	00 50 24.4		40.7 N 32.9 E TURKEY H= 33 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	NP-	eP	01 00 42.1	SZ	0.6	5.2	62.0	4.87
19	LC-	eL	01 42 50	LZ	25	104.4	98.2	
19	01 34 10.9		56.8 N 151.5 W ALASKA APTERSHOCK H= 33 KM MAG 4.50 CGS					
19	NP-	eP	01 39 11.5	SZ	1.0	16.6	22.7	4.43
19	JE-	eL	02 01 09	LT	20	996.9	47.5	
19	LC-	eP	04 05 35.3	SZ	0.9	8.2		
19	04 13 47.*		16. N 145.8 E MARIANA ISLANDS H= 23 KM MAG 4.70 CGS					
19	LC-	eP	05 28 54.4	SZ	0.3	12.3	.7	
		eS	29 05	SR	0.5	24.6		
19	MN-	eP	06 56 11.4	SZ	0.2	4.9	.6	
		eS	56 20	SR	0.5	24.8		
19	10 05 36.4		38.8 N 139.3 E NEAR W. COAST HONSHU, JAPAN H= 30 KM MAG 5.60 CGS					
19	NP-	eP	10 15 18.0	SZ	1.1	115.0	55.3	5.82
		eLR	33 40	LT	24	640.0		
19	MN-	eP	10 17 18.0	SZ	1.0	50.2	75.3	5.46
19	LC-	eP	10 18 17.7	SZ	1.0	32.0	86.4	5.39
19	DH-	eP	10 18 51.0	SZ	1.0	50.2	93.6	5.85
		eLR	55 05	LR	27	603.9		
							AVG.	5.63
19	10 34 33.6		22.6 N 121.0 E TAIWAN H= 33 KM MAG 5.20 CGS					
19	NP-	eP	10 46 18.1	SZ	1.1	19.5	74.8	4.98
19	HW-	eL	11 06 30	LZ	22	206.4	76.6	
19	JE-	eL	11 03 05	LZ	19.	199.2		
19	LC-	eL	11 34 15	LZ	20	180.7		
19	12 08 53.6		39. N 139.1 E NEAR W. COAST HONSHU, JAPAN H= 15 KM MAG 4.50 CGS					
19	MN-	eP	12 20 38.3	SZ	0.7	1.9	75.4	4.26
19	13 25 52.*		22.2 N 143.3 E MARIANA ISLANDS REGION H=121 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	NP-	eP	13 36 53.8	SZ	0.5	7.9	70.3	4.78
		e	37 23	SZ	1.3	14.8		
19	MN-	eP	13 38 04.6	SZ	0.8	3.3	82.9	4.27
							AVG.	4.52
19	13 45 13.*		14.1 N 91.4 W NEAR SOUTH COAST GUATEMALA					
			H= 85 KM MAG 3.90 CGS					
19	LC-	eP	13 50 10.9	SZ	0.8	6.3	22.9	4.03
19	MN-	eP	13 51 50.6	SZ	0.9	4.2	33.9	4.29
							AVG.	4.16
19	DH-	eP	14 53 50.4	SZ	0.4	13.8	1.8	
		eS	54 15	SR	0.4	30.8		
19	15 06 07.		24.4 S 68.7 W NORTHERN CHILE					
			H= 49 KM MAG 4.60 CGS					
19	MN-	eP	15 37 34.1	SZ	0.4	2.7	1.2	
		eS	37 50	SR	0.4	11.9		
19	17 31 56.2		12.4 N 88.1 W NEAR W. COAST OF NICARAGUA					
			H= 53 KM MAG 4.00 CGS					
19	JE-	eP	17 36 40	LZ	20.	192.4	19.6	
		eSS	40 10	LT	15	778.8		
		eLR	42 35	LZ	25	435.8		
19	LC-	eP	17 37 28.2	SZ	0.8	7.8	26.2	4.35
		eSS	42 40	LR	21	157.2		
		eLR	45 25	LZ	30	150.5		
19	MN-	eP	19 47 24.2	SZ	0.5	1.5	4.9	
		eS	48 23	SR	0.5	4.9		
19	LC-	eP	20 20 43.3	SZ	0.2	20.3	1.3	
		eS	21 01	ST	0.5	24.1		
19	21 07 23.6		38.8 N 139.0 E NEAR W. COAST HONSHU, JAPAN					
			H= 33 KM MAG 4.20 CGS					
19	MN-	eP	22 59 12.5	SZ	0.4	2.1	1.4	
		eS	59 32	SZ	0.5	4.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	JE-	eP	01 45 04.6	SZ	0.8	85.7		
20	JE-	e	01 45 19	SZ	0.8	61.2		
20	JE-	eL	02 04 24	LZ	23	200.9		
20	02 39 04.		57.7 N 151.9 W ALASKA AFTERSHOCK					
			H= 34 KM MAG 4.50 CGS					
20	NP-	eP	02 43 56.5	SZ	0.9	21.1	22.0	4.54
20	03 44 30.*		8.7 S 148.2 E PAPUA, NEW GUINEA					
			H=119 KM					
20	03 49 17.*		18.2 S 170.1 E NEW HEBRIDES ISLANDS REGION					
			H=195 KM					
20	04 15 47.		60.9 N 142.9 W SOUTHERN ALASKA					
			H= 40 KM MAG 3.80 CGS					
20	NP-	eP	04 19 48.8	SZ	0.8	10.1	17.4	4.04
		eS	22 59	SZ	0.8	5.0		
20	05 02 38.*		9.2 N 84.4 W NEAR WEST COAST COSTA RICA					
			H= 45 KM MAG 4.30 CGS					
20	MN-	eP	05 10 22.5	SZ	1.0	2.3	42.0	3.91
20	JE-	eP	07 03 33.5	SZ	0.6	12.9		
20	MN-	eP	07 06 28.0	SZ	0.2	4.4		
20	MN-	eS	07 06 31	ST	0.3	5.5		
20	09 13 35.*		48.4 N 4.7 E NORTHERN FRANCE					
			H= 33 KM					
20	MN-	eP	09 23 01.2	SZ	0.5	1.7		
20	MN-	eS	09 23 56	ST	1.0	8.2		
20	09 59 08.9		19.9 S 174.1 W TONGA ISLANDS REGION					
			H= 33 KM MAG 4.70 CGS					
20	MN-	eP	10 11 07.3	SZ	1.0	4.6	78.2	4.46

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	11 19	SZ	1.1	8.6		
		eLR	37 18	LZ	20	215.5		
20	LC-	eP	10 11 32.5	SZ	1.0	3.5	82.9	4.44
		eL	39 50	LZ	21	280.4		
20	HW-	eL	10 20 00	LZ	22	165.1	43.5	
20	DH-	eL	10 57 30	LZ	20	255.1	109.8	
							AVG.	4.45
20	MN-	eP	11 01 45.2	SZ	0.6	1.9		
20	NP-	eP	11 02 24.5	SZ	0.8	17.7		
20	11 12 38.*		3.4 S 139.7 E WESTERN NEW GUINEA H= 33 KM					
20	11 34 26.3		38.5 N 139.1 E NEAR W. COAST HONSHU, JAPAN H= 32 KM MAG 4.40 CGS					
20	NP-	eP	11 44 00.5	SZ	0.8	10.1	55.6	4.90
20	MN-	eP	11 46 10.7	SZ	0.5	1.7	75.7	4.33
							AVG.	4.61
20	12 31 49.7		21.2 S 179.2 W FIJI ISLANDS REGION H=600 KM MAG 4.40 CGS					
20	MN-	eP	12 43 11.0	SZ	0.9	6.0	82.4	4.12
20	LC-	eP	12 43 35.8	SZ	1.0	7.1	87.5	4.40
							AVG.	4.26
20	RK-	eP	13 06 10.0	SZ	0.4	2.5	2.7	
		eS	06 45	ST	0.4	24.1		
20	16 06 44.3		3.3 S 142.4 E NEAR COAST N. E. NEW GUINEA H= 33 KM MAG 5.50 CGS					
20	HW-	eLR	16 36 47	LZ	23.	165.1	65.0	
20	JE-	eSP	16 37 12	LZ	23	125.6	121.6	
20	LC-	eL	16 39 50	LZ	20.	80.5		
20	16 59 09.		40.5 N 142.2 E NEAR COAST N. HONSHU, JAPAN H= 35 KM MAG 4.90 CGS					
20	NP-	eP	17 08 25.0	SZ	0.8	12.7	53.0	4.94

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	MN-	eP	17 10 47.3	SZ	1.2	7.2	72.5	4.57
20	HW-	eL	17 25 14	LZ	23	165.1	56.3	
							AVG.	4.75
20	17 12 15.2		18.5 N 105.5 W NEAR COAST JALISCO, MEXICO H= 28 KM MAG 5.50 CGS					
20	LC-	eP	17 15 34.3	SZ	1.0	11.8	13.9	4.54
		eS	18 15	LR	30	2048.2		
		eLR	19 45	LZ	25	2483.6		
		eLR	19 58	SR	4.0	295.3		
20	MN-	eP	17 17 17.0	SZ	1.1	13.5	22.7	4.31
		eSS	21 38	LT	18	393.8		
		eLR	23 30	LZ	26	412.6		
20	RK-	eP	17 18 53.5	SZ	0.6	4.0	33.6	4.50
20	NP-	eP	17 22 07.0	SZ	1.1	17.8	58.2	5.01
							AVG.	4.59
20	LC-	eP	17 29 40.4	SZ	0.4	13.9	1.4	
		eS	30 10	SR	0.4	14.6		
20	18 40 47.*		5.3 N 32.6 W NORTH ATLANTIC OCEAN H= 33 KM MAG 4.50 CGS					
20	RK-	eP	18 51 42.5	SZ	1.0	7.3	67.9	4.74
20	19 35 23.*		18.8 N 105.4 W NEAR COAST JALISCO, MEXICO H= 33 KM MAG 4.50 CGS					
20	LC-	eP	19 38 38.4	SZ	0.9	9.1	13.6	4.56
		eLR	43 10	ST	2.9	116.4		
20	MN-	eP	19 40 20.6	SZ	1.8	37.2	22.5	4.52
		eLR	44 40	LR	22	185.2		
20	RK-	ePP	19 42 58	SZ	0.6	3.0	33.3	
		eLQ	52 55	LR	20	1652.4		
		eLR	53 40	LZ	23			
20	NP-	eP	19 45 10.8	SZ	1.0	8.4	57.9	4.73
							AVG.	4.60
20	NP-	eL	19 54 10	LZ	23.	1015.2		
20	DH-	eP	19 59 26.0	SZ	0.4	6.9		
20	DH-	eS	19 59 35	SR	0.4	28.1		
20	LC-	eP	20 59 12.5	SZ	0.4	7.3	1.2	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	59 30	ST	0.4	12.2		
21	MN-	eP	00 19 41.0	SZ	0.3	5.0	.6	
		eS	19 50	SR	0.4	1.3		
21	LC-	e	01 03 04	LZ	17	44.4		
21	01 33 11.2		51. N 157.0 E KAMCHATKA					
			H= 51 KM MAG 5.70 CGS					
21	MN-	eP	01 43 03.5	SZ	0.8	26.8	58.4	5.33
		e	43 17	SZ	0.9	64.3		
		eLQ	56 37	LT	32	471.4		
		eLR	02 01 14	LZ	28	809.8		
21	RK-	eP	01 43 28.9	SZ	0.9	43.1	62.2	5.56
		e	43 43	SZ	1.0	119.5		
		ePCP	44 07	SZ	0.6	22.4		
		eS	51 53	LT	15	230.5		
		eSS	56 00	LT	21	126.1		
		e	58 50	LR	32	503.4		
		eLQ	02 02 32	LR	27	233.6		
		eLR	07 46	LZ	26	610.0		
21	LC-	eP	01 44 15.5	SZ	0.5	14.9	69.3	5.26
		eP	44 17	LZ	17	106.6		
		ePCP	44 30	SZ	0.7	26.3		
		eS	53 29	LR	26	186.0		
		eSS	58 00	LR	34	346.8		
		eLQ	02 01 39	LR	23	97.8		
		eLR	06 37	LZ	31	840.1		
21	DH-	eP	01 44 58.5	SZ	0.9	162.0	76.7	6.00
		ePCP	45 12	SZ	0.6	44.0		
		eL	02 10 49	LZ	40	292.8		
21	HW-	eLQ	01 52 36	LT	31	1293.9	48.2	
		eLR	55 20	LT	28	1509.6		
							AVG.	5.53
21	LC-	eP	02 12 21.1	SZ	1.7	25.0		
21	MN-	eP	02 12 38.4	SZ	1.0	2.0		
21	06 54 46.2		14.9 S 73.3 W PERU					
			H= 80 KM MAG 5.00 CGS					
21	LC-	eP	07 04 24.6	SZ	1.0	13.2	56.8	4.92
		e	04 50	SZ	1.0	6.0		
21	DH-	eP	07 04 26.2	SZ	0.7	20.9	56.9	5.28
21	MN-	eP	07 05 37.2	SZ	0.6	1.9	67.7	4.22
21	RK-	eP	07 05 37.6	SZ	0.6	24.4	67.8	5.31
		ePCP	06 02	SZ	0.8	8.6		
							AVG.	4.93

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	LC-	eP	07 24 26.2	SZ	0.7	.5		
21	LC-	eP	07 32 27.8	SZ	0.6	1.5		
21	LC-	eL	07 34 16	LZ	15	218.9		
21	LC-	eL	07 34 20	SR	1.0	8.7		
21	MN-	eL	07 35 17	ST	1.5	7.2		
21	MN-	eP	07 35 32.4	SZ	1.1	3.8		
21	LC-	e	07 39 52	SR	0.6	1.0		
21	07 42 55.*		30. S 91.6 W OFF COAST OF CENTRAL CHILE					
			H= 33 KM MAG 4.70 CGS					
21	MN-	eP	07 54 22.0	SZ	1.0	3.1	72.5	4.30
		eL	08 22 27	LR	39	1058.6		
21	RK-	eP	07 55 04.4	SZ	0.6	2.0	80.5	4.23
							AVG.	4.26
21	10 07 24.5		3.7 N 82.8 W SOUTH OF PANAMA					
			H= 24 KM					
21	11 27 46.9		18.3 N 105.3 W OFF COAST OF JALISCO, MEXICO					
			H= 33 KM MAG 4.10 CGS					
21	LC-	eP	11 31 06.2	SZ	1.2	5.5	14.1	4.05
		eLR	35 14	LZ	20	588.6		
21	MN-	eP	11 32 51.2	SZ	0.9	2.4	23.0	3.66
21	RK-	eLQ	11 45 20	LT	22	389.8	33.8	
		eLR	48 30	LT	16	613.8		
21	DH-	eLQ	11 47 22	LT	16	224.3	35.2	
		eLR	48 56	LZ	17	84.1		
							AVG.	3.85
21	15 04 28.*		16.4 S 168.1 E NEW HEBRIDES ISLANDS					
			H= 53 KM MAG 5.10 CGS					
21	MN-	eP	15 17 13.4	SZ	1.2	9.6	87.9	4.84
21	MN-	eP	15 34 33.6	SZ	0.5	.8		
21	MN-	eL	15 35 56	ST	0.9	5.0		
21	15 40 01.9		31.5 S 68.7 W SAN JUAN PROVINCE, ARGENTINA					
			H=118 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	19 14 10.3		12.2 N 143.8 E SOUTH OF MARIANA ISLANDS H= 33 KM MAG 4.70 CGS					
21	MN-	eP	19 27 03.8	SZ	0.5	1.7	88.7	4.53
21	LC-	eL	20 00 40	LZ	26	38.7	99.5	
21	DH-	eL	21 08 30	LZ	29	284.8	115.2	
21	21 16 32.2		14. N 46.9 W NORTH ATLANTIC OCEAN H= 51 KM MAG 4.70 CGS					
21	LC-	eP	21 26 17.3	SZ	0.8	2.1	57.1	4.23
21	MN-	eP	21 27 21.3	SZ	0.6	.6	66.8	3.88
							AVG.	4.05
21	MN-	eP	21 22 17.3	SZ	0.4	.8		
21	MN-	eS	21 22 55	SR	0.4	7.2		
21	MN-	eP	21 49 03.9	SZ	0.9	2.4		
21	MN-	e	21 50 09	SZ	1.0	4.6		
21	RK-	eP	22 04 49.4	SZ	0.8	2.8		
21	MN-	eP	22 16 20.5	SZ	0.4	2.9		
21	MN-	eS	22 17 04	SR	0.5	4.2		
21	22 21 22.7		16.3 S 178.0 E FIJI ISLANDS H= 18 KM MAG 5.00 CGS					
21	MN-	eP	22 33 37.7	SZ	1.1	10.6	80.8	4.73
		ePPS	45 15	LT	30	351.0		
		eSS	49 15	LT	21	229.6		
		eL	58 46	LT	26	734.2		
21	HW-	eSP	22 36 24	LZ	19	552.3	44.4	
		eL	41 45	LZ	26	1312.8		
21	LC-	eS	22 45 05	LR	21	134.8	86.8	
		e	50 47	LZ	21	82.3		
		eLQ	57 34	LZ	34	344.3		
		eLR	23 01 21	LZ	28	528.6		
21	RK-	e	22 54 04	LZ	21	228.2	101.4	
		e	23 01 25	LR	50	2641.9		
		eLR	11 53	LZ	24	416.7		
21	DH-	e	22 57 10	LR	26	274.4	113.4	
		e	57 10	LR	26	274.4		
		eL	23 19 01	LZ	24	388.3		
21	22 56 00.*		20.8 S 175.6 E FIJI ISLANDS REGION H= 33 KM MAG 4.70 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	00 16 27.4		15.7 S 172.8 W SAMOA ISLANDS H= 33 KM MAG 5.10 CGS					
22	MN-	eP	00 28 03.4	SZ	0.9	11.6	74.3	4.85
		eS	37 45	LT	24	952.0		
		eS	37 45	LR	18	837.2		
		eLQ	47 40	LR	20	1825.4		
		eLR	50 55	LZ	26	2107.5		
		eL	57 15	LZ	17	4194.7		
		eL	57 15	LR	18	1718.6		
		eL	57 15	LT	18	4077.9		
22	LC-	eP	00 28 31.4	SZ	1.0	14.4	79.3	4.87
		eP	28 32	LZ	16	287.0		
		e	32 15	LZ	15	178.4		
		eS	38 33	LR	17	673.9		
		ePS	39 26	LR	18	771.9		
		eSS	43 10	LR	20	336.5		
		eSSS	46 52	LR	22	307.9		
		eLQ	49 38	LR	20	841.4		
		eLR	52 50	LZ	30	9999.9		
22	JE-	eP	00 29 30	LZ	20	273.3	90.5	
		eS	40 08	LT	15	1704.3		
		eS	40 08	LR	15	3087.6		
		eL	58 10	LZ	48	1324.7		
22	HW-	e	00 30 30	LZ	18	716.6	39.2	
		eSS	32 40	LT	20	5248.8		
		eL	36 15	LZ	18	3135.3		
22	RK-	eS	00 40 50	LT	18	730.1	95.3	
		e	46 40	LT	22	609.1		
		e	46 40	LT	22	609.1		
		eLQ	56 57	LT	27	1718.7		
		eLR	01 00 15	LZ	22	551.3		
22	DH-	eSKS	00 41 25	LR	15	329.9	106.2	
		eSS	50 08	LR	22	818.4		
		eLR	01 05 30	LZ	30	932.1		
		eL	14 54	LT	20	398.4		
		eL	14 54	LZ	18	3817.6		
		eL	14 54	LR	18	2878.2		
							AVG.	4.86
22	MN-	eP	01 32 22.5	SZ	0.9	3.0		
22	02 20 35.		36.2 N 139.6 E NEAR E. COAST HONSHU, JAPAN H= 55 KM MAG 4.80 CGS					
22	RK-	eP	02 32 46.3	SZ	0.6	1.9	81.5	4.23
22	LC-	eP	02 33 21.0	SZ	0.8	1.4	87.9	4.16
							AVG.	4.20

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	03 03 37.9		10.4 S 161.1 E SOLOMON ISLANDS H= 70 KM MAG 5.40 CGS					
22	MN-	eP	03 16 27.6	SZ	1.0	27.1	89.2	5.36
		epP	16 45	SZ	1.5	159.4		
		eSKS	26 56	LR	25	964.8		
		eSSS	36 50	LT	25	465.0		
		eLQ	40 20	LT	30	772.7		
		eLR	44 25	LZ	33	2159.3		
22	LC-	eP	03 17 05.4	SZ	0.6	.5	97.4	4.27
		ePP	21 00	SZ	1.1	2.9		
		eSKS	27 38	LR	25	574.4		
		eSP	29 45	LZ	18	575.2		
		ePSS	35 26	LR	29	441.5		
		eSSS	39 07	LR	33	681.2		
		e	43 30	LR	35	1007.0		
		eLR	47 55	LZ	33	9999.9		
22	HW-	e	03 20 09	LR	16	10.00	52.1	
		eL	27 40	LZ	26	4595.5		
22	RK-	eP	03 21 55.3	SZ	0.7	1.1	107.6	
		eSKS	28 23	LT	22	189.0		
		ePS	31 35	LT	18	376.8		
		ePKKP	33 26	SZ	0.9	7.3		
		e	36 45	LT	18	376.8		
		eLQ	41 15	LT	37	1042.0		
		eLR	53 25	LZ	31	2402.8		
22	JE-	e	03 27 40	LR	18	780.6	109.7	
		ePS	32 05	LR	20	1437.1		
		eLR	54 55	LZ	31	1485.2		
22	DH-	eSP	03 34 00	LZ	22	433.9	121.9	
		eSS	41 00	LR	35	886.2		
		eLR	04 00 01	LZ	31	553.0		
							AVG.	4.81
22	RK-	eL	05 00 25	LT	21.	127.3		
22	LC-	eL	05 10 30	LZ	27	227.4		
22	LC-	eP	05 43 51.0	SZ	1.0	2.4		
22	LC-	eP	06 08 22.9	SZ	0.2	.5	3.2	
		eS	09 04	SR	0.3	4.4		
22	MN-	eP	07 08 59.5	SZ	999.9	9999.9		
22	07 30 59.5		18. S 167.6 E NEW HEBRIDES ISLANDS H= 33 KM MAG 4.70 CGS					
22	LC-	e	07 55 20	LZ	16.	108.8	96.0	
		e	08 02 50	LR	20	56.0		
		eL	19 00	LZ	18	33.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	07 42 02.5		24.3 S 176.8 W FIJI ISLANDS REGION H= 75 KM MAG 5.70 CGS					
22	08 32 02.*		62.1 N 148.5 W ALASKA AFTERSHOCK H= 33 KM MAG 4.10 CGS					
22	RK-	eP	08 38 20.8	SZ	0.9	5.4	31.3	4.42
22	12 11 09.4		60. N 146.7 W ALASKA AFTERSHOCK H= 33 KM MAG 4.00 CGS					
22	RK-	eP	12 17 21.8	SZ	0.9	5.4	30.7	4.40
		eL	29 40	LZ	13	839.8		
22	LC-	eP	12 18 27.3	SZ	1.0	1.2	38.2	3.63
							AVG.	4.01
22	13 40 02.8		25.1 S 177.4 W FIJI ISLANDS REGION H=121 KM MAG 5.10 CGS					
22	MN-	eP	13 52 21.5	SZ	1.0	13.5	84.1	4.79
22	LC-	eP	13 52 43.4	SZ	0.9	23.1	88.4	5.21
		e	53 33	SZ	1.2	7.3		
							AVG.	5.00
22	14 17 36.5		12.5 S 166.7 E SANTA CRUZ ISLANDS H=143 KM MAG 3.80 CGS					
22	LC-	eLR	16 25 40	LZ	26.	39.4		
22	DH-	eP	16 32 16.3	SZ	0.3	7.0	1.9	
		eS	32 41	SR	0.3	22.8		
22	17 16 57.*		3. S 139.6 E WESTERN NEW GUINEA H= 78 KM					
22	MN-	eL	17 30 50	LZ	21.	332.5		
22	LC-	eLR	17 36 20	LZ	22	120.7		
22	17 50 44.*		54.9 N 40.2 W NORTH ATLANTIC OCEAN H= 33 KM MAG 4.20 CGS					
22	LC-	eLR	18 17 40	LZ	28	84.1	50.9	
22	LC-	eP	19 13 03.8	SZ	0.2	1.7	.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	13 12	SR	0.4	13.3		
22	LC-	eS	19 50 32	ST	0.4	3.8	1.5	
		eP	50 51.5	SZ	0.3	1.2		
22	21 23 33.6		13.6 N 120.3 E LUZON, PHILIPPINE ISLANDS H= 56 KM MAG 6.50 CGS					
22	RK-	eL	22 22 47	LZ	29.	268.3	109.3	
22	DH-	eL	22 27 54	LZ	29	154.9	122.7	
23	00 30 11.1		3.7 S 78.1 W SOUTHERN ECUADOR H= 33 KM MAG 4.60 CGS					
23	LC-	eP	00 38 26.0	SZ	0.8	4.0	44.9	4.33
23	01 26 37.		43.3 N 146.1 E KURILE ISLANDS H= 77 KM MAG 7.00 CGS					
23	HW-	eP	01 35 55	LZ	16	3836.3	53.6	
		eP	35 57	SZ	1.1	489.9		6.44
		eS	43 25	LR	999	9999.9		
23	MN-	iP	01 37 33.7C	SZ	999.9	9999.9	68.6	
		eP	37 35	LZ	20	9999.9		
		eS	46 32	SR	3.5	1974.3		
		eS	46 34	LT	999	9999.9		
		ePS	47 00	SR	3.5	640.3		
		e	47 53	ST	4.1	2321.3		
		eL	55 44	ST	8.0	1865.4		
		eP'P'	02 05 50	SZ	1.5	28.7		
23	RK-	e	01 37 59	SZ	0.8	9999.9	55.9	
		e	37 59	SZ	0.8	9999.9		
23	RK-	eP	01 37 59	SZ	0.8	9999.9	72.8	
23	RK-	ePP	01 38 00	LZ	999	9999.9	55.9	
23	RK-	eP	01 38 00	LZ	999	9999.9	72.8	
23	RK-	eSS	01 47 26	ST	1.6	241.3	55.9	
23	RK-	eS	01 47 26	ST	1.6	241.3	72.8	
23	LC-	eP	01 38 27.5	SZ	0.8	9999.9	79.6	
		eP	38 30	LZ	999	9999.9		
23	DH-	eP	01 39 16.0	SZ	0.7	104.4	87.2	6.02
		eP	39 17	LZ	18	6195.6		
		eSKS	49 36	ST	4.0	1760.2		
		eSKS	49 40	LT	999	9999.9		
		eSS	55 08	LT	39	9999.9		
		eSSS	59 30	LR	14	9999.9		
		eL	02 08 00	LZ	999	9999.9		
23	JE-	eP	01 39 24	LZ	22	6658.5	88.3	
							AVG.	6.23

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	02 04 41.8		2.7 S 80.0 W ECUADOR H= 58 KM MAG 5.20 CGS					
23	LC-	eP	02 12 38.6	SZ	1.0	20.6	43.1	4.82
		e	27 31	SZ	1.2	3.5		
23	DH-	eP	02 12 53.2	SZ	0.7	84.5	45.0	5.67
23	RK-	eP	02 14 05.0	SZ	0.5	40.6	54.6	5.71
		e	27 05	SZ	0.8	7.2		
							AVG.	5.40
23	MN-	eP	02 14 03.1	SZ	0.9	37.5	6.0	
		eS	15 13	ST	10.0	2483.7		
23	HW-	eP	03 30 44.7	SZ	0.5	149.7	.6	
		eS	30 53	SR	0.5	363.3		
23	DH-	eL	03 35 50	LZ	44	8114.9		
23	04 32 19.*		13.9 N 94.7 E ANDAMAN SEA H= 33 KM					
23	04 54 34.8		32.4 N 117.2 W NEAR COAST N. BAJA CALIF. H= 15 KM					
23	MN-	eP	04 56 07.7	SZ	0.5	.6	6.1	3.62
		e	56 27	SZ	1.0	8.1		
		e	56 32	SZ	1.1	21.1		
		eL	57 46	SR	1.5	36.2		
23	05 25 36.8		53.9 N 163.2 W UNIMAK ISLAND REGION H= 60 KM MAG 4.40 CGS					
23	MN-	eP	05 32 18.2	SZ	0.8	1.9	34.2	4.03
23	RK-	eP	05 33 15.5	SZ	0.8	2.9	41.0	4.12
23	HW-	eL	05 41 05	LZ	12	645.9	34.3	
23	LC-	eL	05 48 00	LZ	28	386.9	45.1	
							AVG.	4.07
23	MN-	eP	05 55 10.5	SZ	0.6	.6		
23	08 42 53.*		60.5 N 144.9 W ALASKA AFTERSHOCK H= 33 KM MAG 3.90 CGS					
23	MN-	eP	09 30 47.2	SZ	1.1	4.0		
23	LC-	eP	09 31 13.0	SZ	0.7	2.6		
23	LC-	eL	10 00 00	LZ	18	76.1		
23	MN-	eP	10 16 51.4	SZ	0.3	2.6	.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	17 00	SR	0.4	2.5		
23	NP-	eP	10 41 36.0	SZ	0.7	2.3		
23	13 53 51.4		2.6 S 77.7 W ECUADOR H= 33 KM MAG 3.90 CGS					
23	MN-	eP	16 08 46.2	SZ	0.5	1.8		
23	MN-	eL	16 10 04	SR	1.5	41.1		
23	DH-	eP	16 35 17.8	SZ	0.4	24.1	1.9	
		eS	35 43.0	SR	0.5	296.2		
23	17 01 28.9		18.9 S 175.8 W TONGA ISLANDS REGION H=204 KM MAG 4.30 CGS					
23	DH-	eL	17 16 30	LZ	24.	552.8		
23	MN-	eP	19 05 12.7	SZ	0.4	1.1	3.6	
		eS	05 57	SR	0.7	2.4		
23	19 10 11.4		3. N 126.6 E TALAUD ISLANDS H= 33 KM MAG 5.30 CGS					
23	MN-	eL	19 55 45	LZ	37.	229.2	107.6	
23	19 53 19.7		6.9 N 73.0 W COLOMBIA VENEZUELA BORDER H=151 KM MAG 4.30 CGS					
23	RK-	eP	20 01 37.2	SZ	0.7	24.3	47.1	4.94
23	LC-	eP	20 26 47.8	SZ	0.5	13.8	1.5	
		eS	27 09	ST	0.5	13.2		
23	DH-	eP	20 42 30.5	SZ	1.1	37.0		
23	23 14 27.2		51.6 N 177.0 W ANDREANOF ALEUTIAN ISLANDS H= 50 KM MAG 4.80 CGS					
23	LC-	eP	23 23 43.5	SZ	1.0	5.7	53.6	4.54
24	00 58 20.*		4.1 S 139.1 E WESTERN NEW GUINEA H= 60 KM					
24	NP-	eP	02 11 15.5	SZ	0.8	5.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	NP-	eP	05 16 04.2	SZ	0.6	4.8		
24	06 21 41.*		3.5 S 77.4 W PERU ECUADOR BORDER H= 33 KM MAG 4.00 CGS					
24	06 25 00.*		37.9 N 141.3 E NEAR E. COAST HONSHU, JAPAN H= 33 KM MAG 4.20 CGS					
24	NP-	eP	07 21 00.1	SZ	0.9	9.0		
24	NP-	e	07 21 05	SZ	0.9	9.4		
24	NP-	eP	08 00 11.6	SZ	0.7	8.0		
24	NP-	eP	08 37 35.6	SZ	0.7	8.7		
24	12 56 26.		32.2 N 129.4 E NEAR W. COAST KYUSHU, JAPAN H= 48 KM MAG 4.40 CGS					
24	NP-	eP	13 06 53.1	SZ	0.6	4.5	63.8	4.72
24	DH-	eP	13 26 01.5	SZ	0.5	25.8	1.8	
		eS	26 26	ST	0.5	38.7		
24	14 59 58.7		7.1 S 155.6 E SOLOMON ISLANDS H=123 KM MAG 5.00 CGS					
24	HW-	eL	15 26 50	LZ	25.	151.0	54.9	
24	MN-	eP	15 06 49.6	SZ	0.4	4.5		
24	15 13 01.*		17.3 N 100.4 W OFF COAST GUERRERO, MEXICO H= 33 KM MAG 4.40 CGS					
24	LC-	eP	15 16 50.0	SZ	1.1	8.4	16.0	3.82
		eL	22 00	SZ	6.0	1693.9		
24	MN-	eP	15 18 34.0	SZ	1.5	29.4	26.2	4.67
		eL	26 03	LT	25	174.5		
24	NP-	eP	15 23 03.4	SZ	1.0	10.6	59.8	4.65
							AVG.	4.44
24	RK-	eP	16 19 07.8	SZ	0.4	3.6	4.5	
		eS	20 29	ST	0.4	19.0		
24	DH-	eP	18 17 24.5	SZ	0.4	20.2	1.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	17 44	ST	0.4	2386		
24	19 28 02.6		15.4 N 93.3 W NEAR COAST CHIAPAS, MEXICO H= 33 KM MAG 3.90 CGS					
24	LC-	eP	19 32 43.0	SZ	0.5	12.1	20.8	4.47
24	NP-	eP	19 38 20.5	SZ	0.9	11.8	62.4	5.01
							AVG.	4.74
24	LC-	eP	19 45 57.3	SZ	0.3	20.4	1.4	
		eS	46 15	SR	0.5	14.1		
24	MN-	eP	20 50 37.4	SZ	0.9	6.4		
24	NP-	eP	20 55 39.6	SZ	0.7	8.7		
24	MN-	eP	21 17 17.7	SZ	0.7	1.7		
24	MN-	eL	21 21 36	LZ	25	487.2		
25	03 42 52.7		10.8 S 164.8 E SANTA CRUZ ISLANDS REGION H= 24 KM MAG 3.50 CGS					
25	MN-	eP	05 08 29.1	SZ	1.0	4.8		
25	05 58 47.1		14.5 N 93.4 W NEAR COAST CHIAPAS, MEXICO H= 69 KM MAG 4.80 CGS					
25	JE-	eP	06 02 46.0	SZ	1.0	61.6	17.3	4.76
25	LC-	eP	06 03 30.9	SZ	0.6	1.5	21.5	3.51
		eL	07 38	LZ	16	101.4		
25	RK-	eP	06 05 45.4	SZ	0.8	24.5	36.2	5.15
25	NP-	eP	06 09 10.0	SZ	0.9	3.7	63.3	4.39
		e	09 13	SZ	0.9	40.7		
25	MN-	eL	06 14 15	LT	30	273.0	32.3	
							AVG.	4.45
25	11 23 00.6		60.3 N 149.1 W ALASKA AFTERSHOCK H= 70 KM MAG 4.60 CGS					
25	NP-	eP	11 27 20.5	SZ	0.9	11.1	19.0	4.16
25	RK-	eP	11 29 19.7	SZ	0.6	4.8	31.8	4.47
		eL	39 10	LR	29	225.4		
25	MN-	eL	11 38 00	LZ	20	113.4	29.3	
25	LC-	eL	11 44 12	LZ	25	47.4	39.4	
							AVG.	4.31

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	11 47 02.2		22.8 S 63.5 W SALTA PROVINCE, ARGENTINA H=525 KM MAG 4.30 CGS					
25	11 53 03.*		12.2 S 165.6 E SANTA CRUZ ISLANDS H= 86 KM					
25	LC-	eL	12 37 07	LZ	17.	42.6	94.6	
25	MN-	eL	12 39 20	LZ	20	75.6	87.0	
25	JE-	eP	12 28 31.5	SZ	0.9	236.9		
25	LC-	eP	13 32 45.8	SZ	0.6	1.0		
25	LC-	e	13 32 51	SZ	0.7	5.9		
25	RK-	eP	13 34 45.8	SZ	0.7	6.0		
25	LC-	eL	13 34 50	ST	1.4	13.6		
25	MN-	eP	14 09 04.5	SZ	0.9	12.4	2.8	
		eS	09 38	SR	1.0	70.6		
25	DH-	eP	14 50 15.4	SZ	0.4	10.5	1.7	
		eS	50 38	SR	0.4	27.7		
25	LC-	eP	16 44 34.2	SZ	0.3	2.9	2.9	
		e	44 40	SZ	0.4	5.3		
		eS	45 11.0	ST	0.5	9.9		
25	DH-	eP	17 09 15.3	SZ	0.4	10.5	1.5	
		eS	09 36.0	SR	0.5	40.5		
25	MN-	eL	17 28 24	LT	20	1102.7		
25	LC-	eL	17 36 17	LZ	24	116.8		
25	RK-	eL	17 37 36	LT	26	413.2		
25	DH-	eP	18 46 38.7	SZ	0.4	10.5	1.7	
		eS	47 02	ST	0.4	13.4		
25	JE-	eL	19 11 00	LT	30	3242.2		
25	LC-	eP	20 58 41.9	SZ	0.3	7.6	1.5	
		eS	59 01.0	ST	0.4	25.8		
25	22 19 38.2		16.1 N 145.3 E MARIANA ISLANDS H=293 KM MAG 4.90 CGS					
25	NP-	eP	22 47 05.0	SZ	0.8	6.2		
26	01 32 51.5		55.9 S 27.6 W SANDWICH ISLANDS H= 55 KM MAG 5.50 CGS					
26	NP-	eP'2	01 52 16.0	SZ	0.7	13.9	143.8	
26	NP-	eP	02 30 10.0	SZ	0.8	9.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26			38.7 N 138.9 E NEAR W. COAST HONSHU, JAPAN H= 20 KM MAG 4.80 CGS					
26	NP-	eP	04 55 32.3	SZ	1.0	15.9	55.5	5.00
26			15.7 S 167.8 E NEW HEBRIDES ISLANDS H=134 KM					
26			61.7 N 148.3 W ALASKA AFTERSHOCK H= 33 KM MAG 4.30 CGS					
26	MN-	eP	05 34 55.2	SZ	0.9	3.2	29.8	4.12
26	NP-	eP	05 32 51.3	SZ	0.6	2.0		
26			8.5 N 73.6 W NORTHERN COLOMBIA H= 33 KM MAG 4.00 CGS					
26	DH-	eP	11 05 30.8	SZ	0.4	24.5	2.5	
		eS	06 02	SR	0.5	51.5		
26			46.2 N 115.1 W WESTERN MONTANA H= 33 KM MAG 4.70 CGS					
26			12.6 S 169.4 E NEW HEBRIDES ISLANDS REGION H=648 KM MAG 4.90 CGS					
26	MN-	tP	13 21 57.5D	SZ	1.1	21.0	84.4	
26	LC-	eP	13 22 30.9	SZ	0.9	3.6	91.7	
26	NP-	eP	13 11 22.3	SZ	1.0	5.3		
26			9.2 S 158.9 E SOLOMON ISLANDS H= 17 KM MAG 5.60 CGS					
26	HW-	eL	13 58 00	LZ	24.	490.6	53.3	
26	MN-	eL	14 14 38	LR	24	101.8	90.2	
26	LC-	eLR	14 18 08	LZ	31	234.3	98.6	
26	JE-	eL	14 26 32	LZ	28	133.6	111.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	MN-	eP	13 47 54.6	SZ	1.1	19.9		
26			5.3 S 131.2 E BANDA SEA H= 60 KM MAG 4.90 CGS					
26	LC-	eP	16 41 58.4	SZ	0.3	3.4	3.0	
		eS	42 35	ST	0.4	11.2		
26	DH-	eP	17 50 41.6	SZ	0.3	32.6	1.8	
		eS	51 06.0	SR	0.3	32.5		
26	DH-	eP	17 58 10.7	SZ	0.5	11.5	2.1	
		eS	58 39	SR	0.4	37.6		
26	DH-	eP	18 00 37.5	SZ	0.4	14.0	1.5	
		eS	00 58.0	SR	0.4	40.8		
26	LC-	eP	19 37 32.5	SZ	0.3	4.2	1.2	
		eS	37 52	SR	0.3	13.4		
27	HW-	eP	00 34 29.2	SZ	0.2	57.1		
27	HW-	eS	00 34 43	ST	0.2	652.5		
27	HW-	eP	01 36 48.7	SZ	0.2	76.1		
27	HW-	eS	01 37 03	ST	0.3	224.8		
27	LC-	eL	02 19 45	LZ	26	104.1		
27			40.4 N 77.5 E SINKIANG PROVINCE, CHINA H= 33 KM MAG 5.00 CGS					
27	NP-	tP	02 39 22.4D	SZ	0.4	20.0	63.1	5.54
		e	39 30	SZ	0.7	69.7		
		ePCP	39 59	SZ	1.0	77.8		
27	RK-	eP	02 41 47.5	SZ	1.0	9.4	88.8	4.95
		e	41 56	SZ	1.0	14.1		
		eL	03 15 00	LT	25	166.1		
							AVG.	5.24
27	JE-	eL	02 29 47	LZ	27.	160.3		
27			16.5 N 85.7 W NEAR NORTH COAST OF HONDURAS H= 28 KM MAG 4.30 CGS					
27	JE-	eP	08 54 16.4	SZ	0.3	3.8	16.3	4.03
		eL	56 57	SR	0.6	82.3		
		eL	58 53	LZ	22	170.2		
27	LC-	eP	08 55 48.7	SZ	0.5	3.6	24.7	4.23
		eS	09 00 03	SR	0.6	2.5		
27	MN-	eP	08 57 31.0	SZ	0.8	2.0	35.9	4.04
		eL	09 08 30	LT	33	186.1		
27	NP-	eP	09 00 52.1	SZ	0.6	8.0	62.3	5.04
		e	01 07	SZ	1.3	26.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.33
27	LC-	eL	09 00 13	LZ	19.	188.3		
27	11 44 21.4		20.2 S 178.9 W TONGA ISLANDS REGION H=603 KM MAG 4.50 CGS					
27	RK-	eP	16 14 41.5	SZ	0.5	1.7	4.2	
		eS	15 32	SR	0.6	24.7		
27	16 43 47.		11.5 S 13.8 W ASCENSION ISLAND REGION H= 33 KM MAG 4.70 CGS					
27	LC-	eP	16 57 25.2	SZ	1.0	2.3	98.4	4.82
		eSP	17 10 23	LZ	18	137.4		
		e	15 40	LZ	18	85.9		
		eL	30 00	LZ	30	325.6		
27	DH-	eL	17 14 15	LZ	29	2652.5	77.3	
27	JE-	eLR	17 23 57	LZ	28	925.5	86.2	
27	RK-	eL	17 27 15	LZ	35	916.9	92.5	
		eL	31 15	LZ	20	1472.2		
		eL	31 15	LT	20	503.0		
		eL	31 15	LR	21	566.2		
27	MN-	eL	17 36 50	LZ	30	572.6	108.3	
27	17 19 53.*		27.8 S 65.6 W TUCUMAN PROVINCE, ARGENTINA H=100 KM MAG 4.50 CGS					
27	LC-	eP	17 31 04.3	SZ	0.8	3.5	71.4	4.24
27	HW-	eL	17 56 15	LZ	22.	139.2		
27	LC-	eP	18 08 17.4	SZ	0.3	1.7		
27	LC-	eS	18 08 42	SR	0.3	2.2		
27	LC-	eP	18 18 07.6	SZ	0.2	.5		
27	LC-	eS	18 18 33	SR	0.4	2.1		
27	HW-	eP	18 22 12.4	SZ	0.2	190.4		
27	HW-	eS	18 22 15	ST	0.2	299.8		
27	MN-	eP	19 55 34.9	SZ	0.4	1.7	1.4	
		eS	55 54	SR	0.6	3.4		
27	LC-	eP	20 06 55.1	SZ	0.3	.4		
27	LC-	eS	20 07 19	SR	0.4	5.5		
27	DH-	eP	20 15 37.8	SZ	0.4	6.3	.8	
		eS	15 49	SR	0.4	17.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	LC-	eP	20 36 26.0	SZ	0.2	13.0		
27	LC-	eS	20 36 44	ST	0.3	9.3		
27	LC-	eS	20 58 13	ST	0.3	8.0		
27	LC-	eP	20 58 53.3	SZ	0.2	9.0		
27	LC-	eP	21 38 18.2	SZ	0.9	4.5		
27	21 55 39.*		46.7 N 152.2 E KURILE ISLANDS H= 33 KM MAG 4.90 CGS					
27	LC-	eP	22 07 14.7	SZ	0.6	1.9	74.1	4.26
27	23 10 41.9		41. N 113.4 W NORTHERN UTAH H= 33 KM					
27	MN-	eP	23 12 15.4	SZ	0.6	2.1	4.9	
		eS	13 05	SR	0.5	8.0		
28	05 52 35.*		13.4 S 71.5 W SOUTHERN PERU H=237 KM MAG 3.80 CGS					
28	LC-	eP	07 24 11.5	SZ	0.7	2.1		
28	NP-	e	11 13 26	SZ	0.7	2.1		
28	11 15 22.*		34.6 N 32.2 E EASTERN MEDITERRANEAN SEA H= 81 KM MAG 4.70 CGS					
28	LC-	eL	11 41 55	LZ	19.	65.5		
28	LC-	eP	12 09 03.4	SZ	1.4	7.8		
28	12 51 34.6		1.7 S 149.6 E NEW IRELAND REGION H= 7 KM MAG 6.40 CGS					
28	HW-	eP	13 01 28	LZ	18.	227.6	57.8	
		eS	09 33	LR	18	9406.0		
		eL	15 50	LZ	23	6294.6		
28	NP-	eP	13 04 43.8	SZ	0.9	29.5	91.9	5.62
		ePP	08 20	SZ	2.0	47.3		
		eS	15 42	LR	13	2928.8		
		eSS	21 28	LR	18	874.3		
		eLQ	29 40	LR	19	1458.3		
		eLR	34 53	LZ	32	4822.2		
28	MN-	eP	13 04 50.8	SZ	1.3	50.7	92.8	5.77
		eP	04 54	LZ	8	300.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	08 34	SZ	1.3	18.0		
		e	09 35	LZ	13	590.4		
		eS	16 00	LT	21	1288.3		
		eS	16 00	LR	23	822.4		
		eSS	22 20	LT	23	2211.7		
		eSSS	25 35	LT	35	2738.7		
		eLQ	29 35	LT	999	9999.9		
		eLR	35 00	LZ	999	9999.9		
28	LC-	eP	13 05 43	LZ	14	108.4	102.6	
		eS	17 15	LR	29	429.7		
		eSS	24 20	LR	28	1325.0		
		e	31 44	LR	23	947.1		
		eL	34 30	LZ	24	1056.9		
28	RK-	ePP	13 10 19	SZ	1.3	9.2	107.9	
		eS	18 05	LT	21	794.5		
		eS	18 05	LR	21	712.2		
		eSS	25 40	LT	32	3166.6		
		e	29 50	LT	30	2863.1		
		eL	35 00	LT	25	1688.4		
28	JE-	ePP	13 11 30	LZ	12	1059.0	114.8	
		e	21 08	LZ	19	796.9		
		eLQ	38 05	LT	35	5066.1		
		eLR	45 00	LZ	28	4157.7		
28	DH-	ePP	13 12 12	LZ	10	612.7	123.3	
		eSS	29 02	LR	31	2205.8		
		e	37 08	LT	22	1104.6		
		eLQ	42 14	LT	42	5804.3		
		eLR	48 17	LZ	29	3035.9		
		eL	56 37	LR	22	5009.9		
		eL	56 37	LT	24	2093.5		
		eL	56 37	LZ	23	5554.1		
							AVG.	5.69
28	LC-	eP	13 21 56.8	SZ	0.8	1.3		
28	LC-	e	13 22 03	SZ	1.1	13.5		
28	NP-	eP	13 32 30.8	SZ	0.8	2.4		
28	DH-	eL	14 46 03	LZ	29	1705.1		
28	DH-	eL	14 48 46	LR	24	2155.3		
28	DH-	eL	14 48 46	LT	23	909.6		
28	DH-	eL	14 48 46	LZ	24	2453.3		
28	14 52 08.4		13.2 S 167.1 E NEW HEBRIDES ISLANDS H=215 KM MAG 5.40 CGS					
28	MN-	eP	15 04 29.4	SZ	1.3	13.1	86.5	4.61
28	MN-	eL	15 08 25	LZ	25.	1206.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	15 22 43.*		37.4 N 14.3 W OFF SOUTHWEST COAST PORTUGAL H= 33 KM MAG 4.60 CGS					
28	NP-	eP	15 43 18.2	SZ	1.4	6.1		
28	MN-	eP	16 03 36.0	SZ	1.0	2.5	3.6	
		eS	04 22	SR	0.8	1.9		
28	HW-	eL	16 06 08	LZ	20	419.1		
28	MN-	eL	16 23 18	LZ	20	202.8		
28	DH-	e	17 04 12	LT	18	255.0		
28	17 07 07.		3.5 N 32.4 W NORTH ATLANTIC OCEAN H= 33 KM MAG 4.60 CGS					
28	JE-	eP	17 17 25	LZ	11.	532.2	62.5	
		eL	36 15	LZ	33	982.5		
28	LC-	eP	17 18 44.3	SZ	0.8	1.3	74.8	3.95
		eLQ	39 14	LZ	14	365.9		
		eLR	42 08	LZ	33	543.6		
28	MN-	eP	17 19 38.8	SZ	0.9	1.9	84.5	4.24
		ePPP	24 55	SZ	1.9	18.9		
		eSS	36 00	LT	33	292.5		
		e	42 00	LT	28	292.6		
		eLQ	44 30	LT	34	702.8		
		eLR	46 45	LZ	35	1185.9		
		eL	18 11 10	LZ	26	5754.4		
		eL	11 10	LR	36	6335.0		
		eL	11 10	LT	30	2890.3		
28	NP-	eP	17 19 43.5	SZ	1.0	9.9	85.9	4.84
28	DH-	eS	17 24 07	LT	22	454.8	54.0	
		eLR	31 06	LZ	26	1049.3		
							AVG.	4.34
28	17 21 50.*		27.1 N 111.5 W GULF OF CALIFORNIA H= 33 KM MAG 4.50 CGS					
28	LC-	eP	17 23 28.8	SZ	0.5	3.3	6.8	4.41
		eL	24 52	LZ	16	1890.0		
		eL	25 41	SR	0.8	6.6		
28	MN-	eL	17 27 10	LT	25	230.0	12.6	
28	NP-	eP	17 30 35.6	SZ	0.8	6.2	49.4	4.63
							AVG.	4.52
28	17 27 59.8		4. N 32.4 W NORTH ATLANTIC OCEAN H= 33 KM MAG 5.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	DH-	eP	17 37 20.7	SZ	0.8	5.2	53.7	4.60
		eP	37 22	LZ	16	799.2		
		e	39 54	LT	19	763.8		
		ePS	44 58	LT	21	1642.0		
		eLQ	49 54	LT	25	2226.6		
		eLR	52 22	LZ	25	4508.5		
		eL	53 29	LR	24	3118.3		
		eL	53 29	LT	24	1406.6		
		eL	53 29	LZ	25	4508.5		
28	RK-	eP	17 39 01.2	SZ	1.5	21.2	69.0	5.02
		eL	57 00	LR	34	4110.0		
28	LC-	eP	17 39 37.3	SZ	1.6	37.9	74.5	5.11
		e	50 35	LR	23	9999.9		
		eSS	54 12	LR	22	1041.8		
		eLR	18 02 31	LZ	34	1861.9		
28	MN-	eP	17 40 30.0	SZ	2.5	84.1	84.2	5.43
28	NP-	eP	17 40 34.5	SZ	1.6	49.2	85.4	5.36
		e	42 15	SZ	2.0	39.4		
28	HW-	ePS	17 57 50	LR	25	898.9	119.5	
		e	18 04 30	LR	24	1045.7		
		eL	23 28	LZ	29	510.6		
							AVG.	5.10
28	LC-	eL	17 32 53	LZ	20.	260.9		
28	18 22 46.3		53.2 N 162.0 W UNIMAK ALEUTIAN ISLANDS					
			H= 39 KM MAG 5.10 CGS					
28	MN-	eP	18 29 23.9	SZ	0.8	2.0	33.4	4.06
28	RK-	eP	18 30 24.0	SZ	0.5	14.5	40.7	4.98
		epP	30 36	SZ	0.8	15.6		
28	LC-	eP	18 30 54.8	SZ	1.1	8.1	44.4	4.42
28	DH-	eP	18 32 23.0	SZ	0.8	10.5	56.1	4.92
							AVG.	4.59
28	NP-	eP	18 23 37.5	SZ	0.8	16.1		
28	19 09 05.4		58.3 N 150.2 W ALASKA AFTERSHOCK					
			H= 23 KM MAG 5.50 CGS					
28	NP-	eP	19 13 50.5	SZ	1.1	29.2	21.1	4.53
		ePCP	17 53	LZ	14	5444.6		
		ePCP	17 54	SZ	0.8	29.8		
		eL	23 17	SZ	4.3	505.7		
		eL	23 43	LZ	18	2876.0		
28	MN-	eP	19 15 02.5	SZ	0.6	11.4	28.7	4.83
		ePCP	18 11	SZ	0.8	6.5		
		eL	23 35	LZ	23	1218.3		
28	RK-	eP	19 15 37.5	SZ	0.8	66.8	32.7	5.59

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	15 45	SZ	0.8	44.0		
		ePCP	18 21	SZ	0.8	14.2		
		eL	27 30	LZ	28	2937.7		
28	HW-	eP	19 16 25.3	SZ	0.7	118.4	38.5	5.74
		eLR	25 42	LZ	25	623.1		
28	LC-	eP	19 16 32.7	SZ	0.8	18.8	39.1	4.84
		ePCP	18 40	SZ	0.8	3.2		
		eLR	28 45	LZ	30	707.0		
28	DH-	eP	19 17 44.4	SZ	1.0	8.9	48.1	4.78
		ePCP	19 10	SZ	0.8	21.1		
		eS	25 07	LR	20	376.0		
		eLQ	31 53	LR	28	457.1		
		eLR	36 52	LZ	20	1257.5		
		eL	38 10	LT	20	1810.8		
		eL	38 10	LR	16	1971.9		
		eL	38 10	LZ	19	2833.9		
							AVG.	5.05
28	19 56 25.1		59.1 N 153.1 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 4.40 CGS					
28	NP-	eP	20 01 05.8	SZ	0.5	2.3	20.9	3.77
28	RK-	eP	20 03 06.5	SZ	0.5	7.2	34.0	4.83
							AVG.	4.30
28	LC-	eP	21 57 39.5	SZ	0.2	2.0	2.2	
		eS	58 14	SR	0.5	4.7		
28	23 45 37.9		30.7 S 178.0 W KERMADEC ISLANDS					
			H= 29 KM MAG 4.20 CGS					
29	00 04 30.1		16.5 N 94.6 W OAXACA, MEXICO					
			H= 68 KM MAG 4.80 CGS					
29	RK-	eP	00 11 11.0	SZ	0.6	4.0	34.3	4.48
		e	12 23	ST	0.6	7.0		
29	NP-	eP	01 14 39.6	SZ	0.9	30.1		
29	LC-	eL	01 51 01	LZ	20	47.4		
29	03 54 01.2		22.6 S 65.5 W JUJUY PROVINCE, ARGENTINA					
			H=238 KM MAG 4.10 CGS					
29	04 43 30.*		26.7 N 110.8 W GULF OF CALIFORNIA					
			H= 33 KM MAG 5.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC-	eP	04 45 09.2	SZ	0.4	7.4	6.8	4.86
		e	45 27	LZ	25	97.1		
		eL	46 23	LR	999	9999.9		
		eL	47 00	SR	0.6	59.8		
29	JE-	eP	04 47 30	LZ	14	566.8	17.2	
		eL	52 11	LZ	28	1377.3		
29	RK-	eP	04 49 14.3	SZ	0.9	7.3	27.4	4.39
		eS	54 00	LR	20	314.3		
		eLQ	57 10	LT	20	2151.9		
		eLR	59 15	LZ	15	1948.4		
29	MN-	eLQ	04 49 30	LT	20	2074.7	13.2	
		eLR	51 50	LZ	15	2004.2		
29	NP-	eP	04 52 21.2	SZ	1.2	22.2	49.8	4.98
		eL	05 10 20	LR	25	366.2		
29	DH-	eLQ	05 00 30	LT	20	4694.8	33.1	
		eLR	02 50	LZ	20	2129.5		
29	HW-	eL	05 02 23	LZ	25	453.1	41.6	
							AVG.	4.74

29 05 13 23.* 27.1 N 110.5 W GULF OF CALIFORNIA
H= 33 KM MAG 4.70 CGS

29	LC-	eP	05 14 58.2	SZ	0.6	2.6	6.3	4.11
		eL	16 36	LR	15	2410.2		
		e	16 51	ST	0.6	12.3		
		e	17 01	SR	0.7	66.2		
29	MN-	eP	05 16 29.0	SZ	1.1	9.4	13.0	4.70
							AVG.	4.40

29 07 12 06.* 17.5 S 173.5 W TONGA ISLANDS
H= 33 KM MAG 4.10 CGS

29 07 21 32.8 62.7 N 152.0 W SOUTHERN ALASKA
H= 33 KM MAG 5.60 CGS

29	NP-	eP	07 25 33.6	SZ	1.5	78.8	17.4	4.65
		eP	25 37	LZ	12	3399.9		
		e	25 38	SZ	0.7	41.1		
		eS	28 50	LR	38	2980.4		
		eL	33 22	LR	27	4925.3		
		eL	35 22	SZ	4.5	1583.4		
29	MN-	eP	07 27 48.8	SZ	1.0	4.2	31.8	4.26
		eP	27 50	LZ	15	325.0		
		e	27 57	SZ	1.0	57.9		
		ePCP	30 47	SZ	1.0	17.0		
		eS	33 08	LR	25	1266.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	33 12	ST	2.0	25.6		
		eSCP	34 29	SZ	1.2	7.8		
		e	36 00	LT	35	1987.6		
		eLQ	36 55	LT	25	1745.7		
		eLR	38 20	LZ	20	2155.7		
		eL	42 25	LZ	15	4604.4		
		eL	42 25	LR	15	3425.1		
		eL	42 25	LT	15	3195.8		
29	RK-	eP	07 28 05.4	SZ	0.8	35.3	32.9	5.31
		eP	28 06	LZ	12	1747.0		
		ePP	29 10	LZ	12	1381.3		
		ePCP	30 47	SZ	0.8	39.6		
		e	33 40	LZ	30	2195.6		
		e	36 00	SR	1.2	19.1		
		e	38 31	SR	1.3	47.8		
		eL	38 48	SR	2.5	768.2		
		eLQ	38 50	LR	25	2804.0		
		eLR	41 05	LZ	18	4124.1		
29	LC-	eP	07 29 20.9	SZ	1.6	74.0	41.7	5.20
		eP	29 22	LZ	19	343.9		
		e	29 40	SZ	1.0	22.3		
		ePCP	31 16	SZ	1.1	19.8		
		ePCP	31 16	LZ	16	271.4		
		ePCS	35 13	LR	15	523.9		
		e	36 07	LR	30	1043.5		
		eL	38 47	LZ	24	540.0		
29	DH-	eP	07 30 08.5	SZ	1.3	87.0	47.9	5.63
		eP	30 10	LZ	15	420.7		
		ePP	32 05	LZ	13	610.8		
		eS	37 04	LR	15	932.3		
		e	40 50	LZ	28	1586.7		
		e	45 00	LT	25	1927.5		
		eL	46 40	ST	3.5	1221.5		
		eL	49 20	LZ	12	15.0U		
29	JE-	eP	07 30 15.6	SZ	1.4	573.0	48.6	6.39
		eP	30 17	LZ	17	921.2		
		ePP	32 11	LZ	12	1681.3		
		e	41 08	LZ	20	2067.1		
		eL	47 42	SR	4.0	2250.6		
		eL	48 22	LR	17	11.8U		
29	HW-	e	07 36 01	LZ	20	211.0	42.8	
		e	39 13	LZ	25	474.1		
		eL	42 22	LZ	23	1295.0		
							AVG.	5.24

29	LC-	eP	08 12 02.1	SZ	0.4	3.0		

29 08 50 57.* 1.8 S 78.4 W ECUADOR
H=158 KM MAG 4.10 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC-	eP	08 58 44.9	SZ	0.7	3.5	43.2	4.08
29	MN-	eP	09 21 09.5	SZ	0.5	1.2	1.2	
		eS	21 25	SR	0.4	11.9		
29	MN-	eP	09 50 34.0	SZ	0.8	2.0		
29	10 42 46.1		56.7 N 151.4 W ALASKA AFTERSHOCK H= 33 KM MAG 5.10 CGS					
29	NP-	eP	10 47 48.0	SZ	0.8	27.9	22.8	4.76
		ePP	48 05	SZ	0.9	60.3		
29	MN-	eP	10 48 40.5	SZ	1.1	3.1	28.5	3.99
29	LC-	eP	10 50 12.7	SZ	0.9	1.3	39.1	3.68
		eL	11 03 06	LZ	27	74.2		
29	DH-	eL	11 08 20	LT	16	170.5	49.1	
29	JE-	eL	11 10 37	LZ	15	226.9	47.4	
							AVG.	4.14
29	MN-	eL	10 49 05	LZ	15.	216.6		
29	NP-	eP	13 35 08.7	SZ	1.3	15.2		
29	LC-	eL	13 49 14	LZ	30	111.6		
29	LC-	eP	15 46 03.2	SZ	0.7	3.1		
29	NP-	eP	15 47 12.2	SZ	0.9	7.5		
29	LC-	e	19 04 27	LZ	20	83.8		
29	19 04 50.*		61. N 143.7 W ALASKA AFTERSHOCK H= 33 KM MAG 4.50 CGS					
29	MN-	eP	19 10 31.9	SZ	1.0	2.5	27.6	3.90
29	LC-	e	19 05 44	LR	30.	124.7		
29	LC-	eL	19 09 50	LZ	23	84.2		
29	MN-	eP	20 01 35.9	SZ	0.6	1.4		
29	LC-	eP	21 07 34.3	SZ	0.4	2.7		
30	05 27 28.7		29.8 S 178.7 W KERMADEC ISLANDS H=214 KM MAG 4.50 CGS					
30	NP-	e	05 42 09	SZ	0.8	5.0	112.0	
		e	42 09	SZ	0.8	5.0		
30	LC-	eL	05 42 30	LZ	26.	55.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	05 46 53.*		59.1 N 154.0 W ALASKA AFTERSHOCK H= 33 KM MAG 4.60 CGS					
30	NP-	eP	05 51 36.2	SZ	0.8	10.1	21.1	4.21
30	RK-	eL	06 04 36	LR	23	328.7	34.5	
30	JE-	eL	05 50 50	LZ	23.	109.1		
30	08 51 51.2		6.9 S 129.6 E BANDA SEA H= 99 KM MAG 4.90 CGS					
30	RK-	eP'	09 10 38.1	SZ	0.6	13.8	123.4	
30	MN-	eL	09 50 25	LZ	25	56.2	111.7	
30	10 14 45.8		19.8 S 173.9 W TONGA ISLANDS H= 33 KM MAG 4.80 CGS					
30	LC-	eP	10 27 07.5	SZ	1.0	5.2	82.7	4.59
30	JE-	eL	11 02 50	LZ	20	150.1	93.6	
30	10 17 51.1		44.1 N 149.6 E KURILE ISLANDS H= 33 KM MAG 4.90 CGS					
30	RK-	eP	10 29 04.2	SZ	0.7	7.0	70.7	4.81
30	LC-	eL	10 52 55	LZ	28	58.7	77.0	
30	RK-	eL	11 06 58	LZ	20.	496.6		
30	11 28 58.*		23.3 S 66.6 W JUJUY PROVINCE, ARGENTINA H=353 KM MAG 4.50 CGS					
30	LC-	eP	11 39 15.5	SZ	0.6	2.5	67.3	4.13
30	RK-	eP	11 40 18.9	SZ	0.6	6.9	77.6	4.56
		e	40 48	SZ	0.6	3.9		
							AVG.	4.34
30	11 34 12.*		44.5 N 150.2 E KURILE ISLANDS H= 36 KM MAG 4.20 CGS					
30	NP-	eP	11 42 43.8	SZ	0.6	3.8	47.4	4.60
30	12 30 03.3		47.8 N 16.0 E EASTERN AUSTRIA H= 33 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30		13 46 21.6	8 S 122.5 E NORTHERN CELEBES					
			H= 36 KM MAG 6.30 CGS					
30	HW-	eP	13 58 45	LZ	17.	7757.4	82.6	
		eP	58 45	SZ	1.2	252.2		6.17
		ePP	14 02 00	LZ	19	2692.7		
		e	09 20	LR	16	19.3U		
		eL	24 08	LZ	35	9999.9U		
30	NP-	eP	13 59 48.4	SZ	0.8	3.8	97.3	5.06
		eP	59 50	LZ	28	2445.6		
		ePP	14 03 49	SZ	1.8	125.5		
		ePP	03 55	LZ	18	4098.3		
		eSKS	10 23	SR	2.4	180.7		
		eSKS	10 33	LR	16	11.7U		
		ePKKP	16 40	SZ	1.3	32.8		
		eSS	17 37	LR	34	11.8U		
		ePCPP	20 56	SZ	3.0	142.0		
		e	23 00	LR	30	7928.9		
		eP'P'	24 57	SZ	2.5	210.7		
		eL	33 16	LZ	44	45.0U		
30	MN-	ePD	14 01 00	LZ	20	964.4	113.2	
		ePP	05 50	LZ	23	2858.0		
		eSP	15 18	LZ	25	3478.2		
		e	22 00	LR	999	9999.9		
30	RK-	ePD	14 01 32	LZ	20	688.8	121.5	
		eP'	05 07	SZ	0.9	10.9		
		eP'	05 19	LZ	16	610.8		
		e	05 35	SZ	0.7	24.7		
		ePP	06 40	LZ	22	9999.9		
		e	08 20	SZ	0.9	10.9		
		eSKS	12 12	ST	1.0	15.7		
		ePKKP	15 13	SZ	1.2	10.9		
		e	18 46	SZ	1.1	14.6		
		e	22 18	SZ	1.8	45.1		
30	LC-	ePD	14 01 55	LZ	20	589.9	124.1	
		eP'	05 15	SZ	0.7	6.1		
		eP'	05 20	LZ	20	419.1		
		ePP	07 03	LZ	16	9999.9		
		ePKKP	15 10	SZ	1.3	16.9		
		eSPP	18 26	SZ	3.3	145.0		
30	JE-	ePD	14 02 52	LZ	17	392.7	135.1	
		eP'	05 25	LZ	17	2531.2		
		ePP	08 15	LZ	17	7506.3		
		ePS	18 25	LR	20	10.0U		
		ePPS	20 15	LR	22	13.7U		
		eSS	26 20	LR	21	13.6U		
30	DH-	eP'	14 05 27	LZ	17	1231.1	135.9	
		eP'	05 34	SZ	0.6	6.6		
		ePP	08 21	LZ	18	4026.4		
		ePP	08 24	SZ	1.5	70.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePKS	09 22	LT	18.	7563.1		
		ePCPP	18 03	SZ	1.7	66.6		
		e	25 22	LZ	21	3814.9		
		eSS	26 14	LR	22	7764.7		
		eL	53 40	LZ	999	9999.9		
							AVG.	5.61
30		15 47 41.1	44.7 N 150.4 E KURILE ISLANDS					
			H= 33 KM MAG 5.10 CGS					
30	NP-	eP	15 56 12.0	SZ	0.9	25.7	47.2	5.26
		e	56 22	ST	1.0	25.3		
		e	57 08	SZ	1.1	129.6		
		e	57 16	SZ	1.0	66.1		
		e	57 22	SZ	1.5	263.6		
30	RK-	eP	15 58 49.5	SZ	1.0	23.6	69.9	5.18
		e	59 02	SZ	0.9	29.1		
		e	59 46	SZ	1.0	37.9		
		e	59 59	SZ	1.0	104.2		
30	DH-	eP	16 00 11.5	SZ	0.9	12.3	84.4	5.04
		e	00 25	SZ	1.0	40.0		
		e	01 08	SZ	1.1	39.5		
		e	01 21	SZ	1.0	96.0		
							AVG.	5.16
30	NP-	eP	15 51 31.8	SZ	0.9	6.0		
30	DH-	eP	16 20 22.4	SZ	0.6	56.9		
30	DH-	e	16 21 49	SZ	0.9	30.7		
30		16 24 08.*	33. S 70.1 W ARGENTINA CHILE BORDER					
			H=115 KM MAG 4.10 CGS					
30	LC-	eP	16 35 30.0	SZ	0.7	3.0	73.6	4.23
30		17 52 35.6	14.3 S 173.6 E NEW HEBRIDES ISLANDS REGION					
			H=607 KM MAG 4.30 CGS					
30	LC-	eP	18 40 42.0	SZ	0.3	1.8	1.3	
		eS	41 00	ST	0.3	6.1		
30		18 47 23.*	45.1 N 150.0 E KURILE ISLANDS					
			H= 33 KM MAG 4.60 CGS					
30		19 47 22.5	122.9 E NORTHERN CELEBES					
			H= 33 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	RK=	eP⁰	20 06 11.4	SZ	0.5	4.4	120.6	
		eSKP	09 42	SZ	0.9	8.0		
30	LC=	eP⁰	20 06 18.3	SZ	0.8	10.4	123.3	
30	20 08 28.5		46.6 N 144.6 E SEA OF OKHOTSK					
			H=383 KM MAG 5.50 CGS					
30	RK=	eP	20 19 14.3	SZ	0.4	68.6	70.7	5.65
		e	20 12	SZ	0.5	10.7		
		eS	27 51	ST	1.4	49.8		
30	LC=	eP	20 19 50.7	SZ	0.9	48.7	78.6	5.24
		e	21 18	SZ	1.2	54.1		
30	JE=	eP	20 20 30	LZ	13	936.7	86.8	
		e	30 35	LZ	15	645.1		
30	HW=	eS	20 24 41	LR	20	3806.6	55.0	
		eSCS	26 38	LR	21	2130.2		
		e	29 20	LR	17	1422.4		
		eL	35 08	LZ	21	234.5		
							AVG.	5.44
30	LC=	eP	20 45 32.1	SZ	999.9	9999.9	1.5	
		eS	45 51	ST	0.4	14.3		
30	HW=	eP	21 17 23.1	SZ	1.0	163.9		
30	22 03 12.*		45.4 N 143.0 E NORTH OF HOKKAIDO, JAPAN					
			H=367 KM MAG 3.90 CGS					
30	22 11 38.5		11.1 S 162.4 E SOLOMON ISLANDS					
			H= 9 KM MAG 4.90 CGS					
30	LC=	eL	22 41 50	LZ	20.	23.2		
30	23 14 33.*		3 S 122.6 E NORTHERN CELEBES					
			H= 56 KM MAG 5.30 CGS					
30	RK=	eP⁰	23 33 20.5	SZ	0.7	3.5	121.0	
30	LC=	eP⁰	23 33 27.5	SZ	1.0	3.5	123.7	
30	23 38 15.*		7.9 S 131.6 E TANIMBAR ISLANDS REGION					
			H=162 KM					

August 1964

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. 32

August 1964

23 December 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 8 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, Northwest Territory (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. Three-component long-period seismograph systems are also in operation at HW-IS and NP-NT. The long-period system at Adak, Aleutian Islands (AD-IS) was put into operation on 5 August 1964.

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 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

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).

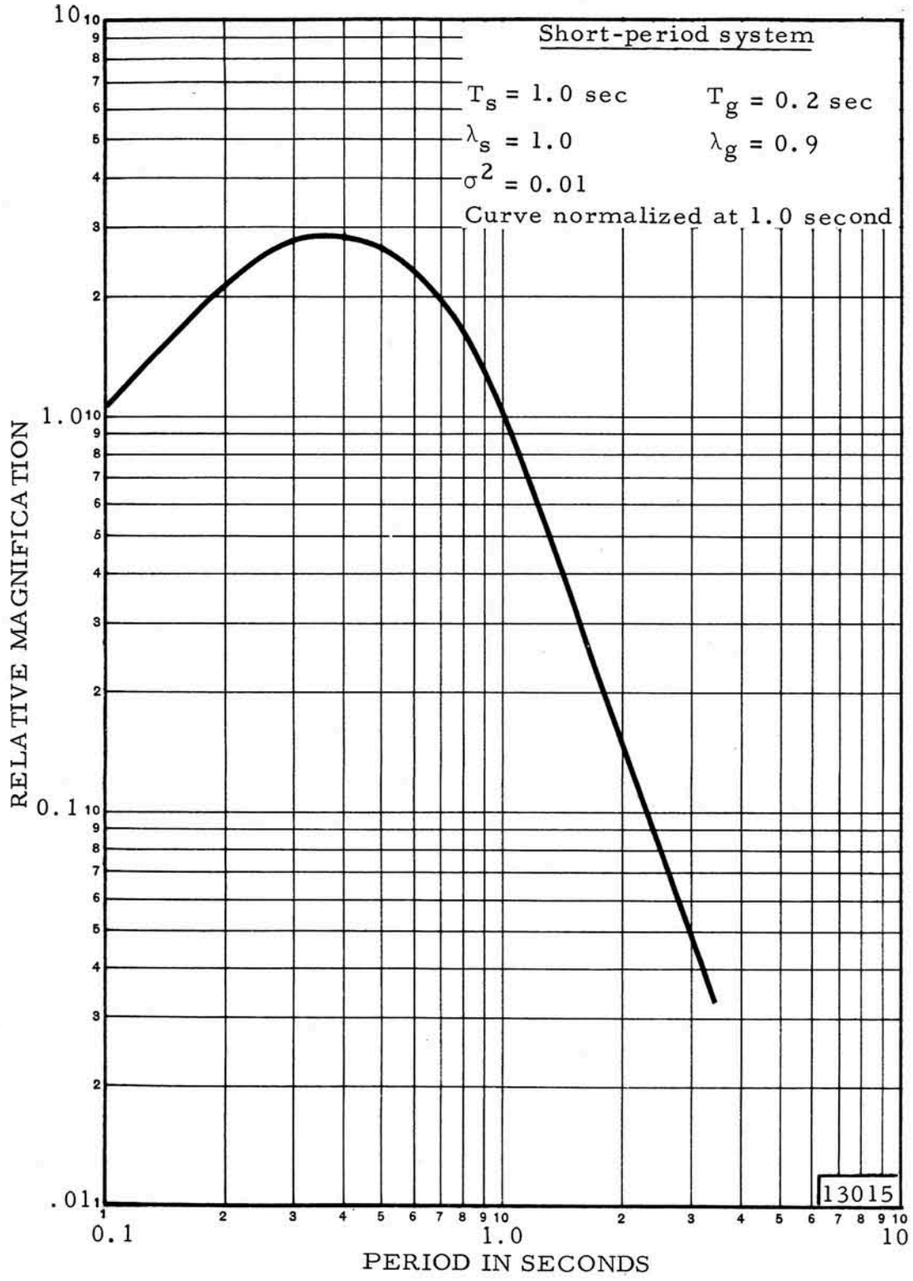


Figure 1. Frequency response of the Benioff short-period seismograph system

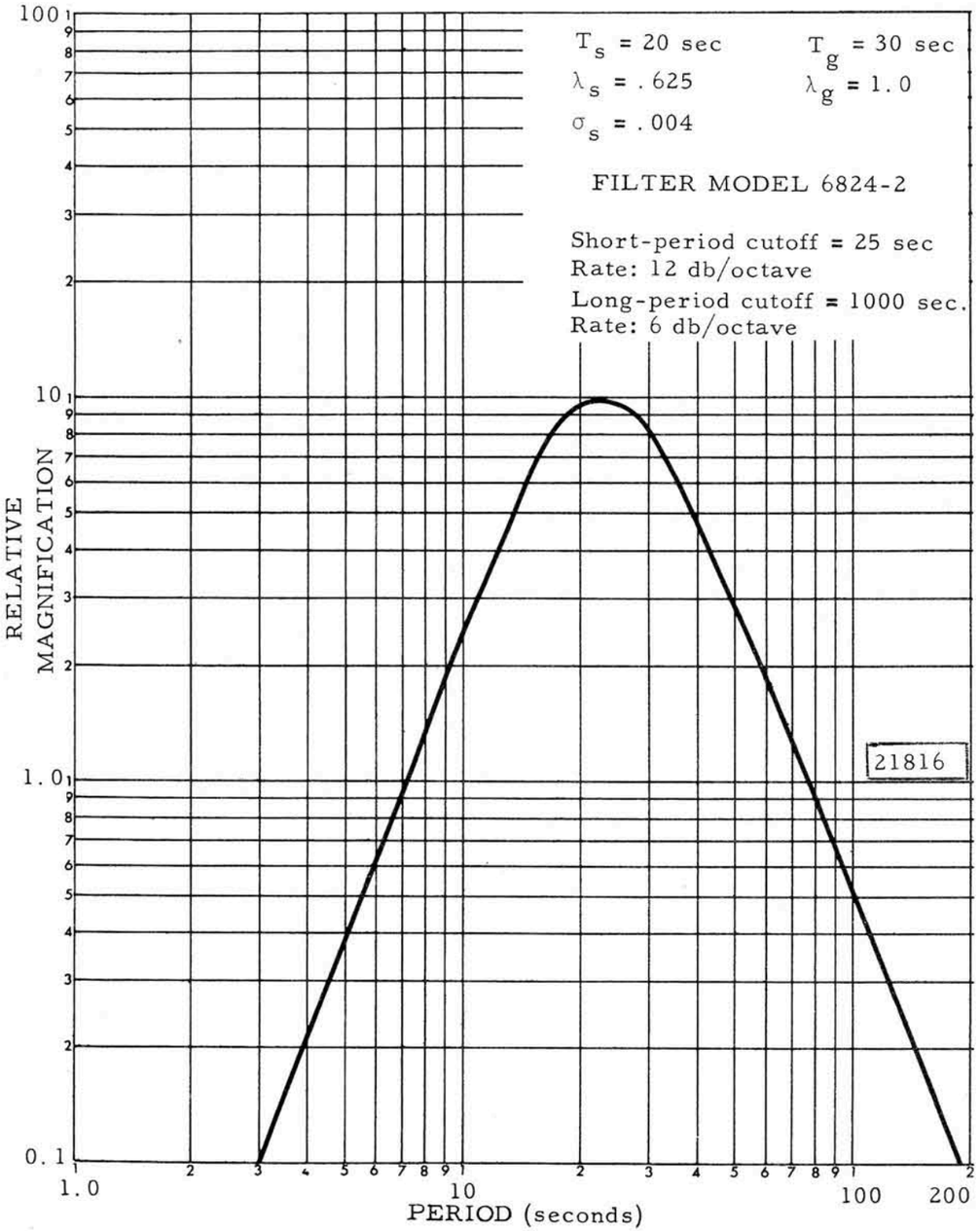


Figure 2. Frequency response of the Sprengnether long-period seismograph system

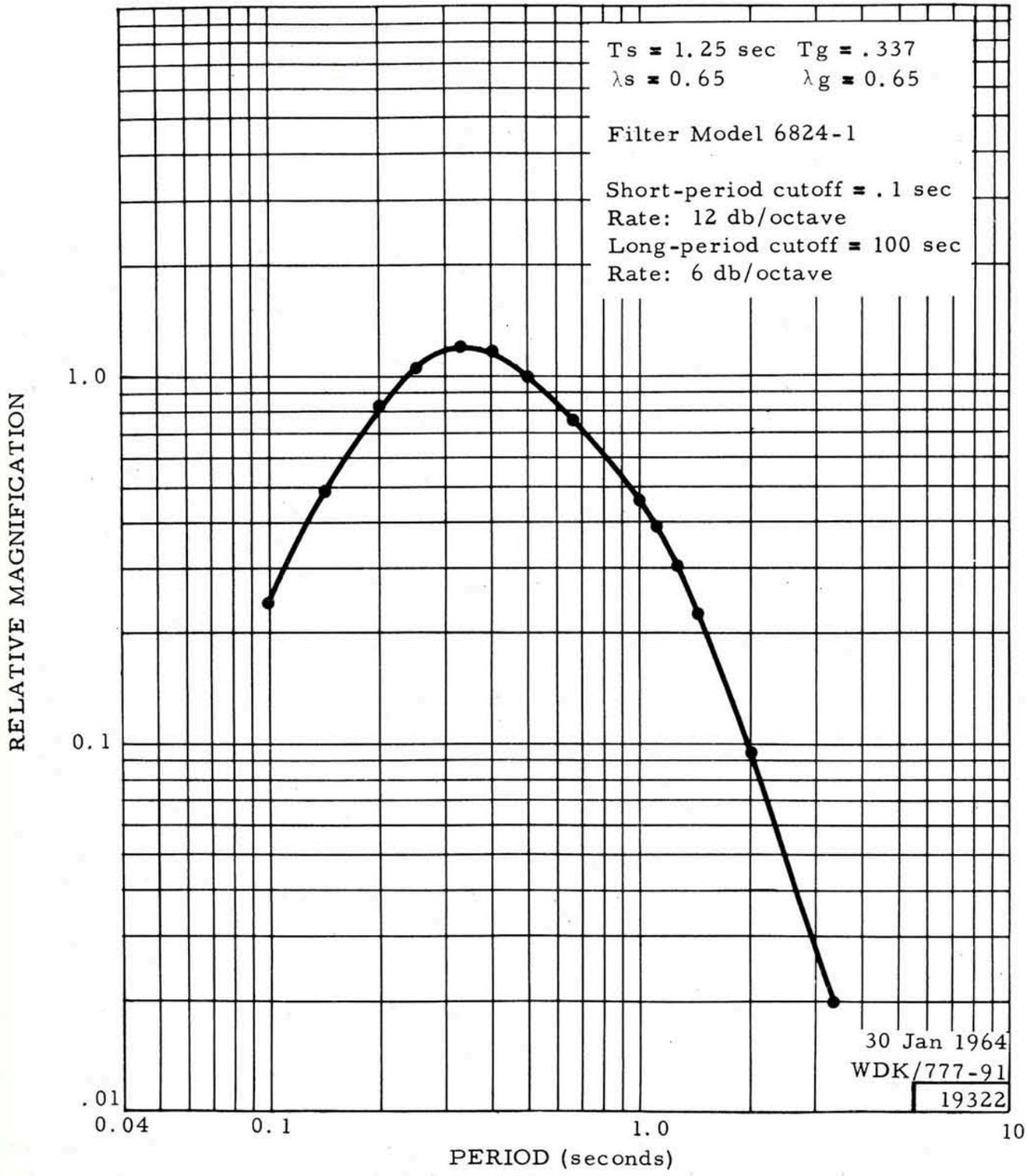


Figure 3. Frequency response of the Johnson-Matheson seismograph system

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 designator	Site location
AD-	Adak, Aleutian Islands
MN-	Mina, Nevada
LC-	Las Cruces, New Mexico
DH-	Delhi, New York
RK-	Red Lake, Ontario
JE-	Jena, Louisiana
HW-	Hawaii Island
NP-	Mould Bay, Northwest Territory

The location 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 one-tenth second for initial arrivals recorded by the short-period system, and to the nearest second for all other phases on both

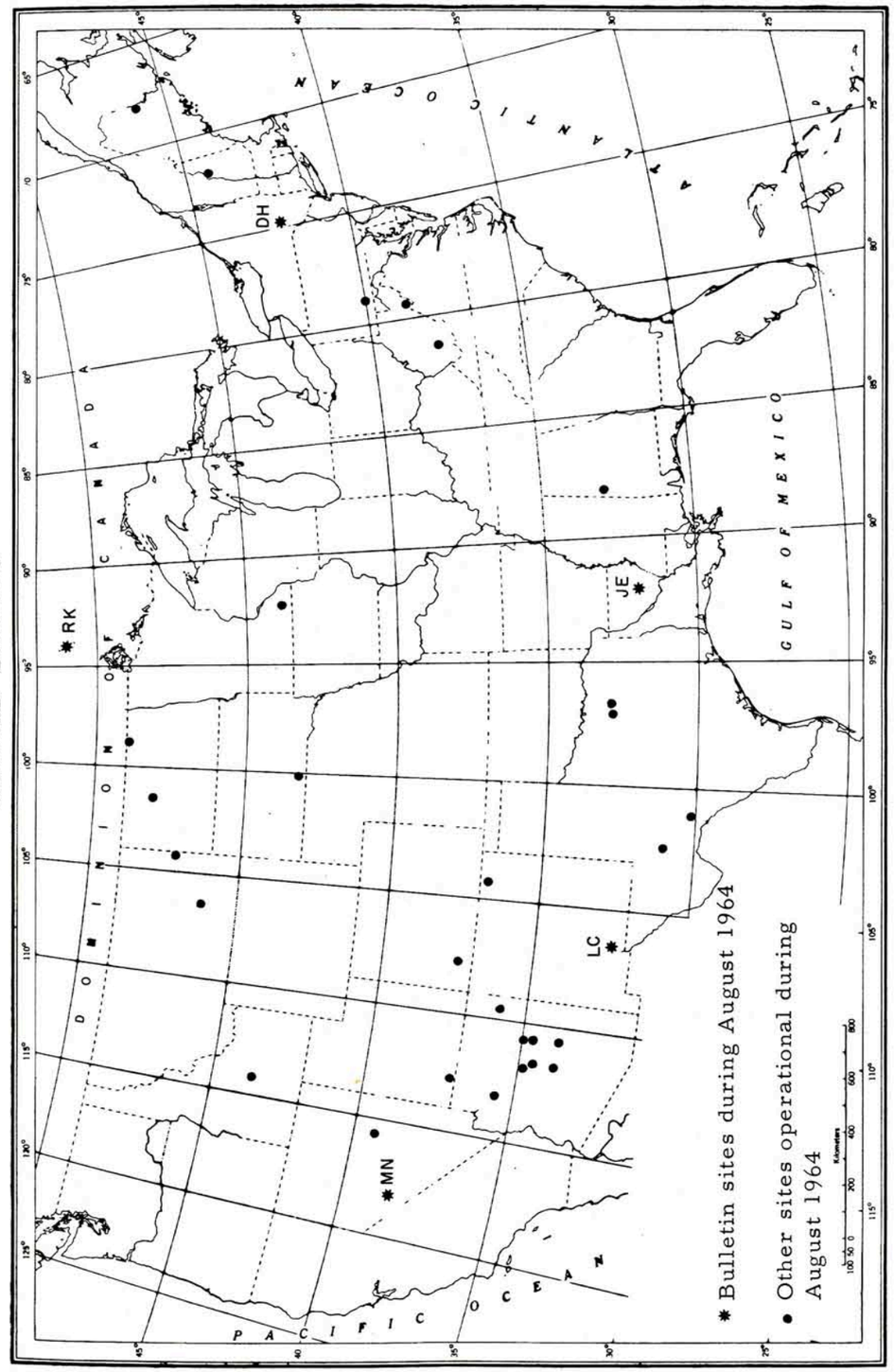


Figure 4. LRSM sites inside the continental United States and Canada during August 1964

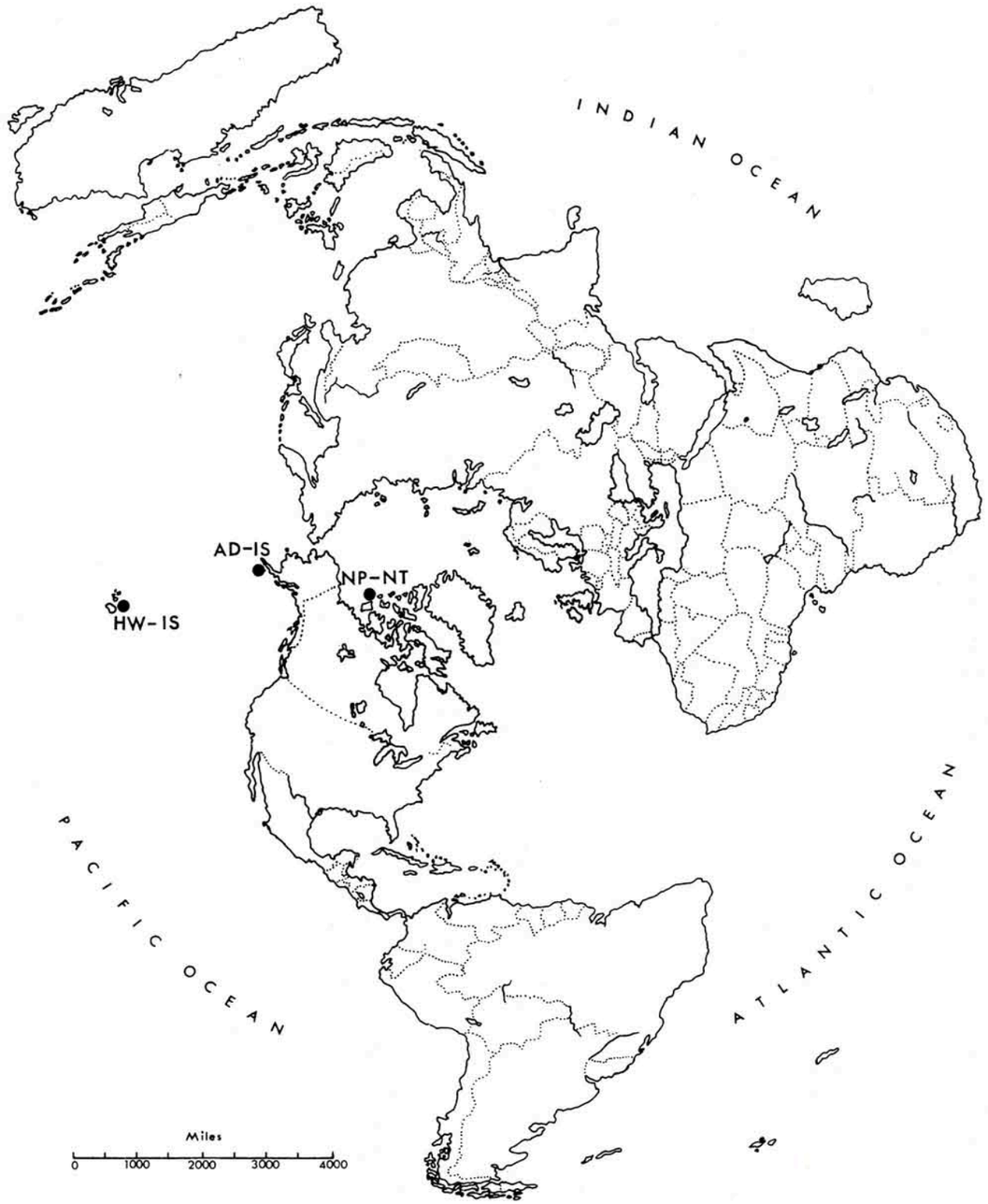


Figure 5. LRSM bulletin sites outside the continental United States during August 1964

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:

SZ	Short-period vertical
SR[1]	Short-period radial (horizontal)
ST[1]	Short-period transverse (horizontal)
LZ	Long-period vertical
LR[1]	Long-period radial (horizontal)
LT[1]	Long-period transverse (horizontal)

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. If the signal period recorded by a short-period instrument cannot be measured, the digits 999.9 appear in the period columns. The digits 999 appear in the period columns if the signal period recorded by a long-period instrument cannot be measured.

3.7 AMP

This column contains the amplitude of the phase given in millimicrons (mμ) or microns (μ) of ground displacement. All amplitudes are given in tenths of units. All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. If the amplitude is reported in microns, a U appears in the column to the right of the tenths column.

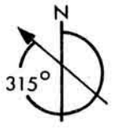
The column is left blank if the amplitude is reported in millimicrons. Amplitudes are measured from the largest pulse within the first 3 or 4

[1] Table 1 gives the instrument orientation of the horizontal seismometers.

Table 1. Bulletin site information

Site designator	Site location	Horizontal Seismometer orientation (Azimuth from true north in degrees[1]) 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
HW-IS	Hawaii Island	235	325	N 19 58 49 W 155 42 20	0.71	Basalt
JE-LA	Jena, Louisiana	112	202	N 31 47 05 W 92 00 55	0.05	Sandstone
NP-NT	Mould Bay, Northwest Territory	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
MN-NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.52	Limestone
AD-IS	Adak, Aleutian Islands	265	355	N 51 52 30 W 176 40 45	.06	Basalt

[1]When earth moves in direction shown, trace moves up.



cycles whenever possible. The digits 999.9 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. The distance is given to the nearest one-tenth of a 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[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°.

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

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 printout.

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 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	00 05 48.*		73. N 6.4 E NORWEGIAN SEA					
			H= 33 KM MAG 4.30 CGS					
1	00 47 08.*		36.7 N 70.3 E HINDU KUSH REGION					
			H=149 KM					
1	01 00 50.*		73. N 6.3 E SVALBARD REGION					
			H= 33 KM					
1	AD=	eP	01 23 20.8	SZ	0.2	19.2	.9	
		eS	23 33	ST	0.3	76.5		
1	02 27 13.6		20. S 179.8 E SOUTH OF FIJI ISLANDS					
			H=553 KM MAG 4.40 CGS					
1	AD=	eP	04 39 48.8	SZ	0.2	19.2	.6	
		eS	39 58	ST	0.4	24.6		
1	AD=	eP	04 40 29.2	SZ	0.3	105.8	1.1	
		eS	40 45	SR	0.4	344.8		
1	08 55 49.*		11.8 N 87.0 W NEAR COAST OF NICARAGUA					
			H= 88 KM MAG 4.30 CGS					
1	AD=	eP	09 52 10.3	SZ	0.3	9.6	.4	
		eS	52 17	ST	0.4	123.1		
1	09 52 51.3		5.5 S 131.4 E BANDA SEA					
			H= 33 KM MAG 4.60 CGS					
1	AD=	eP	10 45 57.2	SZ	0.2	19.2	1.5	
		eS	46 18	ST	0.2	34.0		
1	HW=	eP	13 46 37.0	SZ	999.9	9999.9	.2	
		eS	46 41	ST	0.3	370.3		
1	13 54 54.8		27.7 S 70.9 W NEAR COAST OF NORTHERN CHILE					
			H=118 KM MAG 4.50 CGS					
1	LC=	eP	14 05 48.6	SZ	0.9	8.3	68.7	4.55
		eL	28 10	LZ	20	80.5		
		eLR	30 15	LZ	19	268.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	DH=	eP	14 05 55.7	SZ	1.0	17.4	69.7	4.82
1	MN=	eP	14 06 50.0	SZ	1.0	2.5	79.3	3.99
1	RK=	eP	14 06 57.5	SZ	0.8	16.7	80.7	4.90
							AVG.	4.56
1	MN=	eP	14 34 57.7	SZ	0.5	.9	1.3	
		eS	35 16	SR	0.4	2.0		
1	AD=	eP	17 09 14.8	SZ	0.2	25.6	.4	
		eS	09 21	SR	0.2	122.4		
1	18 11 52.*		32.7 S 71.5 W NEAR COAST OF CENTRAL CHILE					
			H= 70 KM MAG 4.40 CGS					
1	LC=	eL	18 48 45	LZ	20.	125.3	72.7	
		eLR	50 20	LZ	20	143.2		
1	MN=	eP	18 31 01.5	SZ	0.5	1.9	5.3	
		eS	32 03	SR	0.7	8.3		
1	MN=	eP	20 30 05.5	SZ	0.5	7.0	3.0	
		eS	30 42	SR	0.5	13.3		
1	21 33 28.*		19.9 S 66.4 E MASCARENE ISLANDS REGION					
			H= 33 KM					
1	22 12 04.*		28.1 S 70.4 W CENTRAL CHILE					
			H= 33 KM MAG 4.40 CGS					
1	RK=	eL	22 44 10	LT	30.	389.2	81.2	
1	DH=	eL	22 45 30	LZ	29	259.0	70.1	
1	LC=	eL	22 47 10	LR	25	332.3	69.3	
1	JE=	eL	22 53 40	LZ	25	221.5	63.0	
1	MN=	eL	23 02 20	LZ	32	306.4	79.8	
2	00 15 34.5		52.9 N 162.3 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 5.00 CGS					
2	NP=	eP	00 22 40.0	SZ	0.7	6.2	36.7	4.54
2	MN=	iP	00 25 02.5D	SZ	0.7	5.8	54.6	4.72
2	LC=	eP	00 26 17.1	SZ	1.0	7.0	65.5	4.75
							AVG.	4.67
2	02 20 19.*		55.9 S 27.7 W SOUTH SANDWICH ISLANDS REG.					
			H= 86 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	MN-	ePᵎ	02 39 02.1	SZ	0.6	1.3	121.0	
2	NP-	ePᵎ2	02 39 40.8	SZ	0.5	10.5	143.7	
2	03 04 16.9		56.1 N 156.1 W ALASKA AFTERSHOCK H= 33 KM MAG 5.60 CGS					
2	NP-	eP	03 09 32.7	SZ	0.9	108.7	24.3	5.39
		eS	13 49	SR	1.2	8.0		
		e	14 04	SR	1.3	15.1		
2	MN-	eP	03 10 30.5	SZ	1.0	4.1	30.7	4.23
		e	10 38	SZ	1.0	7.5		
		eL	19 15	LZ	25	863.8		
		eL	20 12	LR	20	922.5		
		eL	20 12	LT	18	249.2		
		eL	20 12	LZ	21	853.6		
2	RK-	eP	03 11 19.4	SZ	0.9	6.8	36.4	4.49
		e	11 27	SZ	0.9	12.0		
		eL	25 20	LZ	20	402.4		
2	LC-	eP	03 12 02.5	SZ	1.0	3.5	41.4	4.08
		e	12 10	SZ	1.2	25.3		
		ePCP	14 07	SZ	0.9	2.7		
		e	18 30	LZ	21	90.5		
		e	21 45	LZ	19	53.8		
		eL	26 22	LZ	23	151.2		
2	HW-	eL	03 21 10	LZ	22	271.9	36.1	
2	JE-	eL	03 31 57	LZ	15	158.9	50.0	
2	DH-	eL	03 34 40	LR	18	285.4	51.8	
							AVG.	4.54
2	MN-	eP	03 33 23.3	SZ	0.2	.3	.5	
		eS	33 31	ST	0.2	4.0		
2	04 00 45.1		10.9 N 86.3 W NEAR WEST COAST COSTA RICA H= 32 KM MAG 4.70 CGS					
2	JE-	eP	04 05 35.0	SZ	1.7	83.3	21.4	4.82
		eP	05 45	LZ	15	264.8		
		eL	13 17	LZ	20	295.8		
2	LC-	eP	04 06 40.5	SZ	0.8	.6	28.4	3.48
		eL	11 53	LZ	17	60.4		
2	DH-	eP	04 07 18.0	SZ	0.9	13.5	32.8	4.84
		eL	21 00	LZ	19	397.5		
2	MN-	eP	04 08 17.4	SZ	0.9	3.2	39.5	4.03
							AVG.	4.29
2	06 13 07.*		59.8 N 146.1 W GULF OF ALASKA H= 28 KM MAG 3.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	NP-	eP	06 17 27.6	SZ	0.7	3.1	19.0	3.68
2	JE-	eL	06 38 35	LZ	16	282.0	45.2	
2	07 03 11.4		3.8 S 123.2 E CELEBES H= 37 KM MAG 5.40 CGS					
2	LC-	ePᵎ	07 22 11.5	SZ	1.0	3.5	125.4	
2	08 10 38.7		1 N 123.9 E NORTHERN CELEBES H=110 KM					
2	LC-	ePᵎ	08 29 24.3	SZ	1.0	3.5	122.5	
2	08 14 06.*		17.3 S 69.8 W PERU BOLIVIA BORDER REGION H= 5 KM MAG 4.20 CGS					
2	AD-	eP	08 32 55.2	SZ	0.2	6.3	1.6	
		eS	33 17	SR	0.3	20.4		
2	08 36 16.9		56.2 N 149.9 W ALASKA AFTERSHOCK H= 31 KM MAG 6.00 CGS					
2	AD-	eP	08 39 59.0	SZ	0.8	39.5	16.3	4.63
2	NP-	tP	08 41 21.0D	SZ	1.0	60.1	23.0	5.02
		eP	41 21	LZ	10			
		eS	45 34	ST	2.3	580.8		
		eS	45 35	LR	17	15.7U		
		eL	47 22	LR	43	16.8U		
		eL	50 44	SZ	10.0	7443.7		
		eSCS	52 32	ST	2.4	114.6		
2	MN-	tP	08 42 02.5C	SZ	1.4	75.3	27.6	5.23
		tP	42 03 C	LZ	18	690.4		
		eS	46 57	LR	20	2811.6		
		eSS	48 05	LT	999	9999.9		
		eSCP	48 59	SZ	1.2	5.1		
		eLR	49 35	LZ	999	9999.9		
		eL	50 12	SZ	11.0	4691.8		
2	RK-	eP	08 42 50.3	SZ	0.8	21.2	33.0	5.09
		ePP	43 54	SZ	1.0	24.6		
		eS	48 14	LR	999	9999.9		
		eLQ	51 50	LR	999	9999.9		
		eL	53 26	SZ	16.0	29.8U		
		eLR	53 30	LZ	17	6596.4		
2	LC-	eP	08 43 36.2	SZ	1.3	70.3	38.2	5.28
		eP	43 37	LZ	18	263.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	43 45	SZ	1.3	117.9		
		ePP	45 10	LZ	19	496.8		
		eSCP	49 30	LZ	20	9999.9		
		eL	52 30	LZ	22	649.7		
		eLR	54 55	LZ	999	9999.9		
2	JE-	eP	08 44 44.2	SZ	1.0	70.0	46.6	5.62
		eP	44 45	LZ	10	1225.4		
		ePP	46 38	SZ	2.5	370.6		
		ePP	46 40	LZ	10	2297.7		
		eS	51 40	LR	20	4487.7		
		eSS	55 16	LT	19	4107.9		
		eL	09 00 51	LR	21	5409.0		
2	DH-	eP	08 44 58.6	SZ	0.6	11.0	48.5	5.05
		eP	45 00	LZ	10	795.1		
		eS	52 04	LT	15	2871.4		
		e	56 04	LR	21	3161.5		
		eLQ	57 52	LR	35	3812.2		
		eLR	09 00 30	LT	25	9999.9		
2	HK-	eS	08 48 57	LR	19	833.3	36.4	
		eSS	51 00	LR	13	17.1U		
		eL	52 43	LZ	23	2221.3		
							AVG.	5.13
2	MN-	eP	10 03 37.0	SZ	0.2	2.7	1.0	
		eL	03 50	SR	0.3	4.6		
2	10 40 23.7	43. N 13.0 E CENTRAL ITALY H= 33 KM MAG 4.50 CGS						
2	DH-	eL	12 41 15	LR	26.	304.2		
2	AD-	eP	13 00 44.8	SZ	0.3	9999.9	.6	
		eS	00 54	SR	0.3	147.9		
2	13 29 07.3	39.1 N 118.1 W NEVADA H= 15 KM MAG 4.00 CGS						
2	MN-	iP	13 29 21.1D	SZ	999.9	9999.9	.7	
		eL	29 32	LR	10	727.8		
2	LC-	eP	13 31 42.0	SZ	1.0	1.1	11.5	4.12
		eL	35 12	SZ	1.0	1.1		
2	13 57 45.*	27.5 S 70.3 W NEAR COAST OF NORTHERN CHILE H= 61 KM MAG 4.20 CGS						
2	LC-	eP	14 08 43.8	SZ	0.9	.9	68.9	3.76
		eL	32 40	LZ	19	53.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	AD-	eP	15 28 15.5	SZ	0.2	19.0	.4	
		eS	28 23	SR	0.3	112.2		
2	15 33 31.*	56.5 N 149.5 W GULF OF ALASKA H= 33 KM MAG 4.20 CGS						
2	NP-	eP	15 38 34.6	SZ	0.7	5.2	22.7	4.09
		e	38 44	SZ	0.9	35.3		
2	MN-	eP	15 39 14.4	SZ	1.0	2.5	27.5	3.88
							AVG.	3.98
2	15 56 48.4	44.7 N 151.5 E KURILE ISLANDS REGION H= 33 KM MAG 4.10 CGS						
2	16 22 42.*	83.2 N 119.5 E NORTH OF SEVERNAYA ZEMLYA H= 33 KM MAG 4.30 CGS						
2	AD-	eP	17 27 21.2	SZ	0.2	12.7	3.1	
		eS	28 02	SR	0.3	15.3		
2	AD-	eP	18 16 10.6	SZ	0.3	9.5	1.6	
		eS	16 33.0	SR	0.4	64.0		
2	MN-	eP	19 46 28.0	SZ	0.9	.6		
2	21 39 54.3	49.9 N 156.8 E KURILE ISLANDS H= 58 KM MAG 4.80 CGS						
2	MN-	eP	21 49 49.6	SZ	0.7	2.0	58.9	4.27
3	AD-	eP	00 43 22.4	SZ	0.3	43.6	1.7	
		eS	43 42	SR	0.4	65.4		
3	MN-	eP	01 03 00.0	SZ	0.7	3.3	4.0	
		eS	03 48	SR	0.5	3.1		
3	01 48 23.3	19.8 N 70.7 W DOMINICAN REPUBLIC REGION H= 7 KM MAG 5.20 CGS						
3	DH-	eP	01 53 25.8	SZ	1.1	100.8	22.7	5.22
		eP	53 28	LZ	15	2115.6		
		eS	57 30	SR	0.8	42.6		
		eS	57 30	LR	18	9999.9		
		eLR	59 15	LZ	29	8169.9		
3	JE-	eP	01 53 28.0	SZ	1.2	61.5	22.6	4.96
		eP	53 29	LZ	13	2209.9		
		eS	57 33	LR	16	1713.8		
		eS	57 33	LT	18	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	59 40	LT	27.	9999.9		
		eL	02 00 56	ST	2.2	257.2		
		eLR	01 50	LZ	23	9999.9		
3	LC-	eP	01 55 13.5	SZ	0.5	5.5	34.4	4.74
		eP	55 15	LZ	12	179.7		
		e	55 18	SZ	0.9	48.1		
		e	55 35	SZ	1.0	24.5		
		ePP	56 13	LZ	13	213.1		
		eS	02 00 44	LR	20	411.0		
		eL	06 46	LR	27	9999.9		
3	RK-	eP	01 55 25.0	SZ	999.9	9999.9	35.9	
		eP	55 30	LZ	14			
		eS	02 01 02	LT	21	1101.8		
		eS	01 02	LR	19	875.0		
		eSS	03 18	LR	20	1307.8		
		eLQ	04 56	LR	28	5108.6		
		eLR	08 30	LZ	23			
3	MN-	eP	01 56 42.2	SZ	1.0	30.0	44.9	5.14
		eP	56 46	LZ	12	207.1		
		eS	02 03 32	LT	19	904.9		
		eS	03 32	LR	18	712.7		
		eSS	06 38	LT	18	1550.2		
		eLQ	09 10	LT	22	656.6		
		eL	12 44	LT	27	9999.9		
		eL	12 44	LR	26	2742.9		
3	NP-	eP	01 58 42.1	SZ	1.0	14.6	61.6	5.11
		e	58 47	SZ	0.9	33.6		
		eL	02 18 53	LT	24	1252.7		
							AVG.	5.03
3	AD-	eP	01 58 21.9	SZ	0.2	25.8	1.2	
		eS	58 38	SR	0.4	218.2		
3	DH-	eP	02 12 11.6	SZ	0.6	7.5		
3	DH-	eL	02 13 57	SR	0.7	22.4		

3 02 32 14.6 60. N 148.0 W KENAI PENINSULA, ALASKA
H= 18 KM MAG 4.20 CGS

3	NP-	eP	02 36 39.6	SZ	0.9	4.3	19.1	3.70
3	AD-	eP	03 30 52.7	SZ	0.3	53.3	.9	
		eS	31 05	SR	0.3	293.8		

3 04 05 07.5 46.6 N 153.5 E KURILE ISLANDS
H= 33 KM MAG 4.10 CGS

3 06 11 38.* 60.2 N 144.6 W SOUTHERN ALASKA
H= 20 KM MAG 4.10 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN-	eP	07 10 18.3	SZ	0.4	16	2.9	
		eS	10 54	ST	0.5	9		

3 07 44 44.3 22.6 N 121.3 E NEAR SOUTH COAST OF TAIWAN
H= 33 KM MAG 5.40 CGS

3	AD-	eP	07 54 15.9	SZ	1.2	41.8	55.3	5.34
3	NP-	eP	07 56 22.0	SZ	999.9	9999.9	74.8	
		eL	08 16 45	LR	36	1170.7		
3	LC-	eSP	08 13 16	LZ	18	122.1	108.7	
		eSSS	22 47	LR	23	115.5		
		eLQ	29 54	LR	24	189.2		
		eLR	35 47	LZ	37	480.4		
3	MN-	eLQ	08 26 09	LT	32	789.0	97.6	
		eLR	30 55	LZ	29	647.6		
3	RK-	eL	08 29 37	LR	45	1580.1	100.6	
3	DH-	eLQ	08 35 40	LR	39	1606.9	113.8	
		eLR	44 53	LZ	28	646.9		
		eL	53 30	LT	20	2116.1		
		eL	53 30	LR	19	717.0		
		eL	53 30	LZ	20	2155.7		
3	JE-	eL	08 42 18	LZ	26	251.2	117.2	
3	AD-	eP	09 14 34.5	SZ	0.2	6.4	1.0	
		eS	14 49	SR	0.3	50.8		
3	LC-	eP	09 35 04.9	SZ	0.8	.8		
3	LC-	e	09 36 41	SR	0.6	1.3		

3 13 11 47.* 28.1 S 69.5 W CHILE ARGENTINA BORDER REG.
H= 71 KM MAG 4.20 CGS

3	LC-	eL	14 54 57	LZ	24.	79.2		
3	AD-	eP	16 10 02.6	SZ	0.2	58.2	.5	
		eS	10 10	SR	0.2	97.9		
3	LC-	eL	16 38 40	LZ	26	49.3		

3 16 56 18.2 56.7 N 152.4 W ALASKA AFTERSHOCK
H= 20 KM MAG 4.10 CGS

3	NP-	eP	17 01 24.5	SZ	1.0	9.7	23.0	4.25
3	LC-	eL	17 17 00	LR	18	46.8	39.6	

3 17 08 11.2 8.3 S 118.7 E SUMBAWA ISLAND REGION
H= 33 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	18 54 54.9		53.8 N 132.1 W QUEEN CHARLOTTE ISLANDS REG. H= 33 KM MAG 4.20 CGS					
3	NP-	eP	18 59 58.8	SZ	1.2	16.0	23.1	4.36
3	LC-	eLQ	19 09 28	LR	26	138.3	28.1	
		eLR	10 53	LZ	18	81.4		
3	JE-	eL	19 17 32	LZ	15	659.5	36.1	
3	AD-	eP	19 48 08.7	SZ	0.4	18.7	2.9	
		eS	48 45	SR	0.4	16.3		
3	LC-	eP	19 49 52.8	SZ	0.3	3.4	2.0	
		e	50 19	SR	0.4	5.1		
		e	50 25	SR	0.5	4.2		
3	21 29 40.8		3.5 N 78.0 W SOUTH OF PANAMA H= 65 KM MAG 4.30 CGS					
3	LC-	eP	21 37 07.2	SZ	0.9	4.7	39.3	4.30
3	MN-	eP	21 38 30.9	SZ	0.9	3.8	50.5	4.36
							AVG.	4.33
3	MN-	eP	23 30 46.1	SZ	0.3	1.7	.9	
		eS	30 58.8	ST	0.3	7.8		
4	03 36 42.		2.5 S 139.8 E NEAR N. COAST W. NEW GUINEA H= 33 KM MAG 5.70 CGS					
4	LC-	eL	04 28 45	LZ	25.	49.8	111.2	
4	AD-	eP	03 51 33.8	SZ	0.2	6.4	1.0	
		eS	51 48	ST	0.3	39.6		
4	05 44 05.6		56.9 N 151.0 W GULF OF ALASKA H= 33 KM MAG 3.80 CGS					
4	NP-	eP	05 49 06.0	SZ	0.8	6.3	22.6	4.11
		e	49 13	SZ	0.6	6.6		
4	LC-	eL	06 05 55	LZ	20	44.0	39.0	
4	LC-	eP	07 12 31.0	SZ	0.2	8.8	.1	
		eS	12 35	SR	0.3	13.3		
4	07 22 51.6		39.3 N 118.1 W NEVADA H= 15 KM MAG 3.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	MN-	iP	07 23 02.0D	SZ	999.9	9999.9	.9	
4	07 26 19.5		27. S 71.7 W OFF COAST OF NORTHERN CHILE H= 58 KM					
4	LC-	eL	07 57 45	LR	20.	71.8	67.8	
4	LC-	eP	09 49 50.0	SZ	0.3	1.7	2.4	
		eS	50 20	ST	0.2	7.4		
4	11 13 25.*		39.7 N 106.0 W COLORADO H= 33 KM MAG 4.00 CGS					
4	12 38 15.3		15.9 S 174.5 W TONGA ISLANDS H=134 KM MAG 4.20 CGS					
4	13 06 22.*		5.1 S 78.6 W NORTHERN PERU H= 33 KM MAG 4.10 CGS					
4	MN-	eP	15 24 06.0	SZ	0.3	1.4	2.4	
		eS	24 36	SR	0.5	4.0		
4	DH-	eP	16 09 45.5	SZ	0.5	13.2	1.5	
		eS	10 06	ST	0.5	53.2		
4	MN-	eP	16 15 56.4	SZ	0.3	.8	.5	
		eS	16 04	ST	0.4	5.2		
4	AD-	eP	16 20 51.2	SZ	0.2	6.4	2.2	
		eS	21 00	ST	0.3	51.0		
4	AD-	eP	16 29 09.0	SZ	0.6	249.4		
4	AD-	eL	16 33 04	SR	0.8	27.8		
4	DH-	eP	16 33 21.5	SZ	0.4	12.1	1.8	
		eS	33 44	SR	0.3	24.6		
4	17 24 29.2		46.5 N 151.1 E KURILE ISLANDS H=101 KM MAG 5.90 CGS					
4	NP-	eP	17 32 38.1	SZ	1.3	133.5	45.3	5.54
		e	32 59	SZ	1.5	210.2		
		eSCP	38 01	SZ	1.6	56.6		
		eS	39 10	ST	2.6	312.6		
		eS	39 12	LR	18	2019.4		
		eSS	42 24	LR	23	1589.1		
		eSS	42 26	ST	2.6	362.4		
		eLQ	44 25	LR	48	4173.0		
		eLR	47 11	LZ	35	2321.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	HW-	eP	17 33 19.5	SZ	1.0	269.2	50.6	6.19
		eP	33 20	LZ	15	716.2		
		eS	40 40	LT	30	2107.4		
		eL	47 25	LZ	30	4394.6		
4	MN-	eP	17 34 54	LZ	15	442.1	63.9	
		iP	34 54 C	SZ	0.9	9999.9		
		eS	43 26	LT	25	974.9		
		e	51 00	LT	32	3236.0		
		eL	54 10	LZ	40	1689.8		
4	LC-	iP	17 36 00.4C	SZ	0.9	36.0	74.9	5.20
		eP	36 05	LZ	17	299.7		
		eS	45 35	LR	17	241.3		
		e	51 20	LZ	20	132.0		
		e	54 15	LZ	20	125.7		
		e	56 25	LR	29	386.0		
		eL	59 55	LZ	35	773.9		
		eL	18 04 35	LZ	23	426.4		
4	DH-	eP	17 36 43.5	SZ	0.9	155.4	82.7	5.91
		eS	46 52	ST	20.0	419.4U		
		eL	58 50	SR	20.0	419.4U		
4	JE-	eP	17 36 50	LZ	20	140.7	83.5	
		eS	47 05	LR	15	1843.0		
		eLQ	18 02 29	LT	30	2079.0		
		eLR	09 10	LZ	25	453.1		
							AVG.	5.71
4	LC-	iP	19 23 02.5D	SZ	0.4	1.7	2.5	
		e	23 08	SZ	0.5	4.6		
		eS	23 33	ST	0.5	5.9		
		e	23 39	ST	0.5	6.9		
4	DH-	eP	19 29 06.5	SZ	0.5	56.3	1.8	
		eS	29 31	SR	0.5	74.8		
4	DH-	eP	20 13 55.5	SZ	0.3	15.6	.8	
		eS	14 06	ST	0.4	29.2		
4	LC-	eP	20 44 37.0	SZ	0.6	1.0		
4	MN-	eP	20 47 00.0	SZ	0.5	4.0		
4	MN-	e	20 47 17	SZ	1.0	31.6		
4	LC-	e	20 47 25	SR	1.5	25.6		
4	MN-	e	20 48 24	ST	0.5	15.2		
4	21 03 07.*		15.7 S 70.1 W SOUTHERN PERU H=248 KM MAG 3.70 CGS					
4	LC-	eP	22 01 44.0	SZ	0.2	2.3	2.7	
		e	01 53	SZ	0.5	4.1		
		eS	02 19	SR	0.5	3.2		
4	MN-	eP	22 08 24.5	SZ	0.5	3.4	3.1	
		eS	09 03	SR	0.5	5.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	MN-	eL	23 18 10	LZ	40.	1322.4		
4	23 18 51.1		34.3 N 46.0 E IRAN IRAQ BORDER REGION H= 29 KM					
5	AD-	eP	00 38 59.0	SZ	0.2	39.0	1.5	
		eS	39 19	ST	0.4	34.4		
5	01 47 39.1		17.8 S 176.4 W FIJI ISLANDS REGION H= 16 KM MAG 4.90 CGS					
5	LC-	eLR	02 27 27	LZ	21.	122.5	83.3	
5	AD-	eLR	02 19 08	LZ	25.	343.7		
5	02 54 38.2		14.5 N 92.1 W NEAR COAST CHIAPAS, MEXICO H= 33 KM MAG 3.90 CGS					
5	LC-	eP	02 59 34.4	SZ	0.6	3.1	22.2	3.90
5	AD-	eP	03 26 38.4	SZ	0.2	71.5	1.5	
		eS	26 58	SR	0.4	137.9		
5	04 24 51.3		27.1 N 128.1 E RYUKYU ISLANDS H=144 KM MAG 5.10 CGS					
5	NP-	eP	04 35 41.0	SZ	0.8	75.9	69.0	5.53
5	AD-	eL	04 27 50	LZ	23.	105.0		
5	05 08 04.		19.3 N 121.0 E PHILIPPINE ISLANDS REGION H= 18 KM MAG 4.60 CGS					
5	NP-	eP	06 22 29.5	SZ	0.3	4.6	.1	
		eS	22 33	SR	999.9	9999.9		
5	06 47 27.7		44.4 S 72.4 W NEAR COAST OF SOUTHERN CHILE H= 33 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	LC-	eP	06 59 48.8	SZ	1.0	6.1	82.5	4.64
		eLR	07 28 00	LZ	25	118.1		
5	08 25 45.7		31.1 S 69.0 W SAN JUAN PROVINCE, ARGENTINA H= 33 KM MAG 4.60 CGS					
5	09 48 25.4		15.1 S 177.7 W FIJI ISLANDS REGION H=398 KM MAG 4.80 CGS					
5	11 01 16.5		39. S 74.5 W OFF COAST OF CENTRAL CHILE H= 26 KM MAG 5.10 CGS					
5	LC-	eP	11 13 08.8	SZ	0.9	7.8	77.0	4.77
		ePCP	13 16	SZ	1.0	14.6		
		eSP	23 37	SZ	1.6	63.2		
5	JE-	eL	11 32 51	LT	24	2218.1	72.3	
5	11 06 02.6		32.1 S 179.8 E SOUTH OF KERMADEC ISLANDS H=235 KM MAG 6.75 CGS					
5	HW-	eP	11 15 24.2	SZ	1.0	427.4	56.9	6.03
		eP	15 25	LZ	16	666.8		
		ePCP	16 15	LZ	17	1506.8		
		ePCP	16 16	SZ	0.9	88.0		
		eS	23 02	LT	22	6675.7		
		eSCS	24 40	LT	26	3840.0		
		eL	29 30	LT	29	4090.9		
5	AD-	eP	11 18 05.4	SZ	0.6	51.4	83.7	5.47
		eP	18 07	LZ	17	630.1		
		epP	19 02	LZ	18	1978.5		
		epP	19 06	SZ	0.8	64.6		
		eS	28 03	LT	21	4039.4		
		e	29 00	LT	17	4912.2		
		eLR	45 50	LZ	25	2514.0		
5	MN-	eP	11 18 41.3	SZ	0.9	25.6	90.9	5.21
		eP	18 42	LZ	16	168.2		
		epP	19 34	LZ	19	1135.6		
		epP	19 38	SZ	1.5	176.4		
		e	21 06	LZ	17	369.3		
		ePP	22 19	SZ	2.1	183.0		
		eSKS	28 50	ST	3.3	692.4		
		eSKS	28 52	LT	20	3644.3		
		eS	29 23	ST	3.4	1306.1		
		eSS	35 54	LT	21	1943.6		
		ePKKS	39 15	LT	25	1627.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	42 04	LR	29.	1367.0		
		eLQ	44 00	LR	22	2709.4		
		e	44 16	SZ	1.4	19.8		
		eLR	46 24	LZ	32	1353.1		
5	LC-	eP	11 18 58	LZ	18	148.9	94.5	
		eP	18 58	SZ	1.7	50.9		5.41
		epP	19 55	SZ	1.4	55.3		
		epP	19 55	LZ	20	822.4		
		ePP	22 47	SZ	2.0	137.5		
		ePP	22 50	LZ	22	444.6		
		e	28 05	LZ	20	625.7		
		eSKS	29 10	ST	4.0	610.6		
		ePKKP	35 56	SZ	1.2	11.2		
5	JE-	ePP	11 24 03	SZ	1.6	141.7	104.7	
		eSKS	30 01	LT	17	5046.8		
5	RK-	eP	11 24 10.5	SZ	1.1	13.7	112.1	
		ePP	24 50	LZ	12	1673.0		
		eSKS	30 27	ST	2.0	177.8		
		eSKKS	31 30	LR	14	2334.7		
		eSKKS	31 31	SR	2.4	359.5		
		e	32 23	LT	16	1267.2		
		ePKKP	35 02	SZ	0.6	5.6		
		ePKKP	35 11	SZ	0.7	15.5		
		eSS	40 14	LT	21	2840.2		
		eSSS	44 16	LT	23	2107.3		
		eL	51 50	LT	33	2442.2		
5	NP-	eP	11 24 15.0	SZ	0.7	49.0	114.5	
		eSKP	27 25	SZ	1.0	46.3		
		eSKS	30 36	ST	2.5	249.5		
		e	34 35	LT	26	2326.8		
		e	35 01	SZ	1.4	70.5		
		ePPS	36 03	LT	25	1517.1		
		eSKKP	38 23	SZ	2.0	55.1		
		e	42 25	LT	24	1386.6		
		e	42 35	SZ	1.5	25.7		
		eSSS	45 15	LT	25	1517.1		
		eL	12 06 20	LT	22	1483.1		
5	DH-	eP	11 24 30.0	SZ	0.5	19.1	121.4	
		ePP	26 02	SZ	2.5	501.1		
		ePP	26 06	LZ	21	469.5		
		e	26 56	LZ	17	1096.4		
		eSKS	31 08	LR	16	1879.9		
		eSKKS	32 40	LR	19	1912.3		
		ePKKP	35 04	LZ	27	1434.6		
		e	36 37	LR	22	2036.6		
		eSS	42 35	LR	23	2262.0		
		eSKSP	49 47	LZ	24	1265.0		
							AVG.	5.53
5	AD-	eP	11 23 17.1	SZ	0.3	19.5	1.2	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	23 32	SR	0.3	214.2		
5	LC-	eP	12 59 49.4	SZ	0.6	2.5		
5	LC-	e	13 00 26	SZ	1.0	7.3		
5	MN-	eP	13 00 52.8	SZ	0.7	.4		
5	LC-	eL	13 01 53	SZ	1.0	15.6		
5	MN-	e	13 02 38	ST	1.7	10.5		
5	AD-	eP	14 06 37.2	SZ	0.2	13.0	.6	
		eS	06 46	ST	0.3	132.6		
5	RK-	eP	16 14 50.0	SZ	0.3	5.5	4.0	
		eS	15 38	SR	999.9	9999.9		
5	RK-	eP	16 33 05.2	SZ	0.2	3.4	1.0	
		eS	33 19	ST	0.4	5.1		
5	MN-	eP	17 07 47.6	SZ	999.9	9999.9		
5	AD-	eLR	20 26 15	LZ	23	294.0		
5	HW-	eL	20 40 25	LZ	26	343.9		
5	JE-	eL	20 50 43	LT	30	1377.9		
5	LC-	eL	20 50 48	LZ	20	83.4		
5	MN-	eL	20 51 25	LZ	25	224.8		
5	21 59 23.*		29. N 114.0 W BAJA CALIFORNIA H= 16 KM MAG 4.30 CGS					
5	LC-	eP	22 01 11.6	SZ	0.6	3.0	7.2	4.47
		eL	03 30	LR	19	204.3		
5	22 23 13.		41.1 S 74.9 W OFF COAST OF SOUTHERN CHILE H= 33 KM MAG 6.75 CGS					
5	LC-	eP	22 35 14.2	SZ	0.9	91.2	78.8	5.75
		eP	35 15	LZ	17	1129.4		
		ePP	38 10	SZ	2.5	135.9		
		ePP	38 19	LZ	14	9999.9		
		eS	45 15	LR	999	9999.9		
		e	51 10	LZ	999	9999.9		
5	DH-	eP	22 35 36.1	SZ	0.6	84.8	83.0	6.05
		eP	35 37	LZ	16	2058.0		
		epP	35 45	SZ	0.9	109.2		
		ePP	38 31	LZ	11	3297.4		
		eS	46 02	LR	25	2232.1		
		eSS	51 12	LT	22	2122.0		
		ePKKS	57 11	LR	24	9999.9		
5	MN-	eP	22 36 04.2	SZ	999.9	9999.9	88.5	
		eP	36 05	LZ	17	1538.9		
		ePP	39 36	LZ	15	1142.9		
		eS	46 34	SR	4.0	397.1		
		eS	46 35	LR	11	2945.8		
		ePS	47 42	LR	23	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	52 20	LR	27.	2309.3		
		ePKKP	53 41	SZ	1.0	4.1		
		e	56 30	LR	24	9999.9		
		e	59 43	LT	999	9999.9		
		eLQ	23 01 12	LT	999	9999.9		
		eLR	05 40	LZ	999	9999.9		
5	RK-	eP	22 36 22.8	SZ	0.6	37.5	93.0	5.96
		eP	36 23	LZ	14	9999.9		
		ePP	39 46	LZ	15	1036.6		
		eSKS	46 56	ST	3.4	668.2		
		eS	47 27	LR	18	4895.2		
		ePS	48 46	LT	24	3315.3		
		eSS	53 50	LT	31	3525.2		
		eSSS	57 38	LT	20	2424.4		
5	HW-	eP	22 36 45	LZ	17	645.7	96.2	
		ePP	40 40	LZ	19	639.0		
		eSKS	47 27	LT	20	2205.0		
		ePS	49 28	LT	24	9999.9		
		e	54 32	LZ	19	9999.9		
		eLQ	23 06 24	LZ	18	972.2		
		eLR	07 49	LZ	999	9999.9		
5	NP-	eP	22 42 00.5	SZ	1.0	54.6	120.5	
		ePS	53 12	LT	22	953.4		
		e	59 32	SZ	5.0	939.5		
		eSS	59 45	LT	21	2034.6		
		ePPKS	23 04 40	LT	25	1517.1		
5	AD-	eP	22 42 15.1	SZ	0.7	67.9	127.5	
		eP	42 17	LZ	12	612.5		
		ePP	44 16	LZ	18	1083.4		
		eSP	53 58	LZ	17	1109.0		
		eSPP	55 45	LZ	18	2284.7		
		eSS	23 01 42	LT	27	6243.4		
		eLQ	15 52	LT	26	3058.1		
		eLR	21 42	LZ	21	4161.7		
							AVG.	5.92
6	AD-	eP	00 52 54.5	SZ	0.2	38.5	.9	
		eS	53 12	SR	0.3	117.3		
6	02 33 39.5		31.5 N 129.9 E SOUTHWEST OF KYUSHU, JAPAN H=197 KM MAG 5.50 CGS					
6	NP-	eP	02 43 56.6	SZ	1.0	6.1	64.4	4.29
		ePCP	44 36	SZ	0.6	4.7		
6	MN-	eP	02 45 58.8	SZ	1.0	15.0	85.9	4.77
6	LC-	eP	02 46 50.4	SZ	0.7	1.2	97.0	4.35
							AVG.	4.47
6	AD-	eP	06 16 47.1	SZ	0.2	38.5	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	17 08	ST	0.4	113.9		
6	07 02 52.*		20.5 S 68.8 W CHILE BOLIVIA BORDER REGION					
			H= 74 KM MAG 4.20 CGS					
6	07 05 49.*		56.3 N 149.8 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 4.50 CGS					
6	NP-	eP	07 10 52.3	SZ	1.0	20.3	22.9	4.54
6	LC-	eP	07 13 06.8	SZ	1.0	1.2	38.1	3.65
		eLR	25 20	LZ	23	74.7		
							AVG.	4.09
6	07 12 01.1		9.1 S 120.8 E SUMBA ISLAND REGION					
			H= 58 KM MAG 5.60 CGS					
6	MN-	eP!	07 30 48.2	SZ	0.9	8.9	119.8	
6	RK-	eP!	07 31 04.5	SZ	0.7	15.4	129.6	
		e	34 17	SZ	1.0	15.5		
6	LC-	eP!	07 31 08.3	SZ	1.0	9.7	130.5	
		eSKP	34 22	SZ	1.4	34.9		
		ePPP	36 08	SZ	1.0	3.6		
6	JE-	eP!1	07 31 25.4	SZ	1.0	19.5	142.1	
6	DH-	eP!2	07 31 31.0	SZ	0.8	10.6	144.2	
6	10 46 28.9		43.4 N 126.7 W OFF COAST OF OREGON					
			H= 33 KM MAG 5.30 CGS					
6	MN=	eP	10 48 27.3	SZ	0.6	4.1	8.2	4.69
		eL	49 06	LT	20	2515.0		
6	LC=	eP	10 50 54.1	SZ	0.8	2.8	19.2	3.59
		eP	50 56	LZ	17	48.2		
		eLQ	54 55	LZ	23	63.2		
		eLR	57 10	LZ	23	413.7		
		eLR	11 00 10	LZ	23	74.7		
6	RK-	eP	10 51 36.7	SZ	0.8	17.0	23.5	4.58
		eS	56 00	LT	17	268.0		
		eL	58 00	LR	26	323.6		
6	NP=	eP	10 53 03.3	SZ	0.9	4.8	33.1	4.40
6	JE-	eLQ	11 01 43	LT	23	1181.4	29.6	
		eLR	04 50	LZ	18	455.3		
6	DH-	eL	11 07 20	LT	15	325.3	37.5	
							AVG.	4.31
6	HW-	eL	11 45 35	SZ	25.0	419.40		
6	DH-	eL	11 54 55	LZ	27	204.9		
6	JE-	eL	12 00 15	LZ	28	150.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	MN=	eL	12 00 25	LZ	25.	129.2		
6	13 00 13.*		50.6 N 179.5 E RAT ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.50 CGS					
6	AD=	iP	13 00 48.4C	SZ	999.9	9999.9	2.7	
6	JE=	eL	13 36 00	LT	22	738.3	65.3	
6	MN=	eP	13 02 56.9	SZ	0.7	1.2		
6	13 11 31.*		60.4 N 145.8 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 4.00 CGS					
6	NP=	eP	13 15 43.9	SZ	0.8	5.0	18.3	3.77
6	MN=	eP	13 17 21.5	SZ	1.0	1.6	28.0	3.76
		eL	25 55	LZ	20	223.5		
6	AD=	eL	13 23 00	LZ	18	190.8	19.0	
							AVG.	3.76
6	13 41 36.5		4.2 S 140.5 E WEST NEW GUINEA					
			H= 50 KM					
6	AD=	eP	15 15 49.0	SZ	0.3	77.0	1.5	
		eS	16 09	SR	0.3	250.0		
6	16 04 06.*		75.7 N 6.8 E SVALBARD REGION					
			H= 33 KM MAG 4.40 CGS					
6	NP=	eP	16 09 36.1	SZ	1.1	7.9	25.1	4.26
6	LC=	eP	16 14 40.5	SZ	0.9	1.8	64.3	4.22
		eLR	40 15	LZ	25	47.0		
							AVG.	4.24
6	DH-	eP	16 19 54.8	SZ	0.2	4.2	5.5	
		e	21 02	ST	0.4	19.4		
6	17 03 28.9		22.5 S 179.5 W SOUTH OF FIJI ISLANDS					
			H=504 KM MAG 5.30 CGS					
6	AD=	eP	17 14 12.8	SZ	0.7	113.9	74.1	5.51
6	MN=	eP	17 15 04.5	SZ	1.0	38.3	83.5	4.93

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	15 09	SZ	1.1	18.5		
6	LC=	eP	17 15 28.8	SZ	0.9	39.4	88.4	5.18
		e	17 34	SZ	1.0	3.6		
							AVG.	5.20
6	LC=	e	17 33 05	LZ	18.	77.3		
6	18 24 50.5		56.9 N 152.1 W ALASKA AFTERSHOCK					
			H= 39 KM MAG 5.60 CGS					
6	AD=	eP	18 28 13.7	SZ	0.6	22.5	15.1	4.73
		eP	28 14	LZ	17	1200.2		
		eL	30 53	ST	1.0	60.0		
		eL	31 09	LT	20	5816.1		
6	NP=	eP	18 29 53.6	SZ	1.0	113.5	22.8	5.27
		e	29 56	LT	23	2224.7		
6	NP=	e	18 33 20	SZ	1.5	41.4	33.1	
		e	34 06	ST	4.6	2525.7		
6	NP=	eS	18 34 07	LT	17	9999.9	22.8	
		eL	34 38	SZ	5.0	2061.1		
		eL	36 50	LT	29	9999.9		
6	MN=	eP	18 30 47.5	SZ	1.3	38.4	29.0	4.99
		eP	30 48	LZ	18	1214.3		
		eS	35 52	LR	18	2447.4		
		eS	35 52	LT	19	1186.9		
		eSCP	37 35	SZ	1.2	3.8		
		eL	39 12	LR	32	3866.0		
		eL	41 31	ST	2.8	72.1		
6	RK=	eP	18 31 33.6	SZ	0.7	9.9	34.0	4.81
		eS	36 54	LR	20	1776.5		
		eLQ	40 15	LR	20	2555.0		
		eLR	44 30	LT	999	9999.9		
6	HW=	eP	18 31 53	LZ	18	466.4	37.0	
		eS	37 40	LZ	18	1466.0		
		e	39 33	LR	17	4409.9		
		eL	41 25	LZ	22	1961.2		
6	LC=	eP	18 32 20.0	SZ	1.2	26.3	39.5	4.84
		eP	32 20	LZ	19	583.4		
		e	32 27	SZ	1.1	36.2		
		ePP	33 55	LZ	18	683.0		
		eS	38 18	LR	15	9999.9		
		eLQ	41 40	LZ	18	747.4		
		eLR	44 48	LZ	27	1423.0		
		eL	49 40	SZ	14.0	11.3U		
6	DH=	eP	18 33 40.4	SZ	0.7	8.9	49.4	4.84
		e	34 25	LZ	14	336.7		
		eS	40 50	LR	20	2193.6		
		eSS	44 00	LR	19	2310.4		
		eL	52 20	LT	20	9999.9		
6	JE=	eLQ	18 53 18	LT	24	9999.9	47.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	56 44	LZ	17.	9015.5	AVG.	4.91
6	LC=	eP	22 16 58.3	SZ	0.3	.8	5.5	
		eS	18 05	SR	0.5	2.3		
6	LC=	eP	22 51 02.3	SZ	0.4	1.6	4.4	
		eS	51 55	SR	0.5	4.2		
6	23 42 45.7		19.2 S 167.6 E NEW HEBRIDES ISLANDS REGION					
			H= 43 KM MAG 5.00 CGS					
6	MN=	eP	23 55 42.7	SZ	0.7	5.8	90.1	4.89
		e	55 54	SZ	0.9	14.7		
7	LC=	eL	00 27 30	LZ	25	47.0	96.6	
6	AD=	eP	23 57 33.8	SZ	0.3	33.6	.3	
		eS	57 39	SR	0.4	93.5		
7	02 15 04.*		20.2 S 174.6 W TONGA ISLANDS					
			H= 29 KM MAG 4.40 CGS					
7	03 15 25.*		14.5 N 92.0 W NEAR SOUTH COAST GUATEMALA					
			H= 33 KM MAG 3.80 CGS					
7	LC=	eP	03 20 21.5	SZ	0.5	2.3	22.2	3.84
7	05 37 25.1		56.8 N 152.3 W ALASKA AFTERSHOCK					
			H= 33 KM MAG 5.20 CGS					
7	AD=	eP	05 40 50.1	SZ	0.7	26.9	15.0	4.79
		eLQ	43 16	LT	32	4407.5		
		eLR	45 58	LZ	24	1941.8		
7	NP=	eP	05 42 34.5	SZ	1.0	70.1	22.9	5.07
		e	47 02	SZ	2.5	67.1		
7	MN=	eP	05 43 30	LZ	17	102.9	29.0	
		eS	48 15	LR	19	187.3		
		eL	52 35	LR	19	786.8		
7	RK=	eP	05 44 08.5	SZ	0.9	6.7	34.2	4.55
		e	44 16	SZ	1.2	50.6		
		eL	57 25	LR	21	1642.0		
7	LC=	eP	05 44 55.5	SZ	2.0	38.2	39.6	4.76
		eP	45 00	LZ	18	45.1		
		ePP	46 37	LZ	17	82.7		
		eS	51 05	LR	19	192.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	54 15	LZ	17.	68.9		
		eL	58 40	LZ	23	229.8		
7	HW	eL	05 54 05	LZ	25	322.5	36.9	
7	DH	eL	06 05 05	LT	22	651.8	49.6	
7	JE	eL	06 05 52	LT	21	1221.9	47.9	
							AVG.	4.79
7	07 08 07.*		54.4 N 164.4 W UNIMAK ISLAND REGION H= 33 KM MAG 4.60 CGS					
7	AD	eL	07 12 42	LZ	17	472.8	7.8	
7	NP	eP	07 43 15.5	SZ	1.0	8.7		
7	08 04 58.9		37.5 N 141.3 E NEAR E. COAST HONSHU, JAPAN H= 33 KM MAG 4.50 CGS					
7	NP	eP	08 14 41.5	SZ	0.9	10.9	56.1	4.89
7	AD	eL	08 20 27	LZ	22	145.1	32.7	
7	08 08 49.9		27.8 S 66.4 W CATAMARCA PROV., ARGENTINA H=162 KM MAG 4.40 CGS					
7	DH	eL	08 41 20	LZ	19.	322.9	70.1	
7	LC	eL	08 42 35	LZ	18	115.9	71.0	
7	08 21 03.*		11.8 N 86.9 W NEAR COAST OF NICARAGUA H=130 KM MAG 4.70 CGS					
7	MN	eL	08 43 45	LT	20.	188.2	38.4	
7	AD	eP	08 35 52.2	SZ	0.3	24.1	.6	
		eS	36 01	ST	0.3	64.5		
7	MN	eP	08 46 25.0	SZ	0.5	.9	1.8	
		eS	46 49	SR	0.5	3.4		
7	LC	eP	12 59 17.0	SZ	0.5	1.3		
7	LC	eLQ	13 00 49	LR	30	9999.9		
7	LC	e	13 01 12	SR	0.5	5.1		
7	LC	eLR	13 01 38	LZ	16	233.7		
7	DH	eP	15 26 35.0	SZ	0.5	10.0	1.7	
		eS	26 56	SR	0.5	23.7		
7	15 31 18.		14. N 91.9 W NEAR SOUTH COAST GUATEMALA H= 89 KM MAG 5.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	JE	eP	15 35 22	LZ	15.	1021.5	17.7	
		eS	38 55	LR	19	1548.4		
		eLQ	41 40	LR	35	1255.1		
		eLR	43 45	LZ	23	1527.4		
7	LC	eP	15 36 13.5	SZ	1.2	146.6	22.7	5.21
		eP	36 15	LZ	17	331.0		
		ePCP	40 32	LZ	19	552.7		
		ePCS	44 05	LR	21	1415.1		
		eL	44 47	LZ	24	810.0		
7	DH	eP	15 37 35.0	SZ	1.0	26.5	31.8	4.95
		eP	37 36	LZ	27	488.0		
		e	43 10	LT	28	900.0		
		eLQ	47 20	LZ	36	2403.6		
		eLR	50 30	LZ	22	2871.0		
7	MN	eP	15 37 53.5	SZ	0.7	14.9	33.6	4.94
		eP	37 55	LZ	15	152.2		
		ePCP	40 32	SZ	1.0	7.5		
		eS	43 20	LT	16	282.7		
		eLQ	45 45	LT	55	1494.2		
		eLR	48 10	LT	28	9999.9		
7	RK	eP	15 38 19.5	SZ	0.8	6.4	36.8	4.59
		eL	52 55	LT	30	1472.0		
7	NP	eP	15 41 47.0	SZ	0.5	10.0	63.9	5.03
		ePCP	42 22	SZ	1.3	48.1		
7	HW	eL	15 59 15	LZ	24	461.8	61.0	
7	AD	e	16 02 10	LZ	17	124.4	75.9	
		eL	09 00	LZ	27	223.2		
							AVG.	4.94
7	DH	eP	16 05 32.0	SZ	0.4	9.1	2.0	
		eS	05 58	SR	0.4	37.2		
7	LC	eP	17 13 35.0	SZ	0.5	.9	3.0	
		e	13 46	SZ	0.5	5.0		
		eS	14 11	SR	0.4	5.1		
		e	14 17	SR	0.4	4.7		
7	17 23 06.8		79.4 N 2.3 W GREENLAND SEA H= 33 KM MAG 4.10 CGS					
7	17 31 42.*		14.7 S 173.0 W SAMOA ISLANDS H= 33 KM MAG 4.60 CGS					
7	MN	eP	17 51 15.0	SZ	0.4	1.1	3.1	
		eS	51 53	SR	0.5	1.2		
7	DH	eS	18 30 33	SR	0.4	15.5	1.8	
		eP	30 58.9	SZ	0.3	6.3		
7	DH	eP	18 50 57.0	SZ	0.3	15.7	1.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	51 20	SR	0.4	46.5		
7	19 57 44.*		6 N 87.0 W GALAPAGOS ISLANDS REGION H= 33 KM MAG 4.30 CGS					
7	LC-	eL	20 18 07	LZ	21.	139.4	36.6	
7	MN-	eP	20 33 41.5	SZ	0.5	1.2		
7	HW-	eP	20 56 36.3	SZ	999.9	9999.9	.6	
		eS	56 45	ST	0.3	503.2		
7	MN-	eP	22 50 21.0	SZ	0.3	3.2	2.0	
		eS	50 37	ST	0.5	4.0		
8	AD-	eP	02 13 49.2	SZ	0.2	29.9	1.5	
		eS	14 10	SR	0.3	141.2		
8	AD-	eS	02 15 30	SR	0.5	37.3		
8	LC-	eP	05 29 52.0	SZ	0.8	2.1		
8	MN-	eP	05 40 01.0	SZ	0.2	2.7	1.5	
		eS	40 20	SR	0.2	9.7		
8	LC-	eL	08 04 35	LR	20	237.6		
8	09 48 35.6		56.7 N 152.4 W ALASKA AFTERSHOCK H= 33 KM MAG 5.10 CGS					
8	NP-	eP	09 53 40.0	SZ	0.9	28.0	23.0	4.73
8	AD-	eL	09 57 33	LZ	22	520.6	14.9	
8	MN-	eL	10 02 40	LZ	20	145.2	29.0	
8	LC-	eL	10 10 20	LZ	18	99.1	39.6	
8	14 50 32.2		42.1 N 83.7 E N. SINKIANG PROVINCE, CHINA H= 33 KM MAG 4.70 CGS					
8	NP-	eP	15 00 43.5	SZ	0.6	13.0	61.0	5.21
8	14 59 41.2		31.7 N 140.2 E SOUTH OF HONSHU, JAPAN H=110 KM MAG 5.70 CGS					
8	AD-	eP	15 06 44.0	SZ	0.4	39.0	37.2	5.66
		eP	06 47	LZ	6	797.2		
		eL	14 53	LZ	19	823.5		
8	NP-	iP	15 09 50.5D	SZ	0.9	178.8	61.9	6.07
8	MN-	iP	15 11 35.3D	SZ	1.3	48.0	79.1	5.16
		epP	12 14	SZ	2.5	226.4		
		e	13 11	SZ	1.5	29.4		
		eS	21 28	LT	22	302.5		
		eL	36 09	LZ	30	961.2		
8	RK-	eP	15 12 05.0	SZ	1.0	41.8	85.1	5.30
		epP	12 32	SZ	1.0	13.2		
8	LC-	eP	15 12 31.2	SZ	1.5	35.9	90.3	5.29

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	16 10	SZ	1.5	7.1		
		eSPP	24 28	LZ	28	216.8		
		e	36 40	LZ	22	212.1		
8	HW-	eL	15 25 53	LZ	31	1394.3	58.1 AVG.	5.49
8	RK-	eP	15 05 19.5	SZ	0.2	14.6	1.1	
		eS	05 34	ST	0.2	21.6		
8	MN-	eP	15 18 53.3	SZ	0.2	6.3	1.0	
		e	19 06	SR	0.2	18.7		
8	15 45 10.9		12.5 N 87.8 W OFF WEST COAST OF NICARAGUA H= 63 KM MAG 5.80 CGS					
8	JE-	iP	15 49 37.3C	SZ	999.9	9999.9	19.6	
		eP	49 38	LZ	16	4262.5		
		eS	53 23	SR	2.5	4072.7		
		eS	53 23	ST	2.6	3502.3		
		eS	53 23	LR	999	9999.9		
		e	54 25	ST	2.0	1030.2		
		eL	55 50	LZ	29	6255.9		
8	LC-	eP	15 50 40.6	SZ	0.6	40.9	26.3	5.18
		epP	51 07	SZ	1.0	84.3		
		esP	51 15	SZ	0.9	58.3		
		e	51 54	SZ	1.3	108.1		
		ePCP	54 08	SZ	1.3	63.4		
		eS	55 07	LR	18	9999.9		
		e	56 23	SZ	3.5	396.6		
		eSCP	57 46	SZ	1.0	29.3		
		eSCS	16 01 37	ST	3.5	289.6		
8	DH-	eP	15 51 31.2	SZ	0.7	119.5	31.7	5.81
		eS	56 37	LT	21	1132.0		
		e	57 58	SZ	1.0	44.4		
		eL	16 02 30	LZ	24	2913.3		
8	MN-	iP	15 52 19.4C	SZ	1.0	9999.9	37.3	
		e	53 28	SZ	1.0	33.3		
		ePCP	54 37	SZ	0.9	33.3		
		ePCS	58 10	LT	999	9999.9		
		eSCP	58 21	SZ	1.2	23.0		
		eLQ	16 00 53	LT	999	9999.9		
		eLR	05 30	LZ	26	1619.2		
8	RK-	iP	15 52 27.2C	SZ	1.2	443.9	38.5	6.18
		eP	52 28	LZ	15	321.2		
		ePP	53 55	LZ	15	1927.3		
		eS	58 14	ST	1.2	79.4		
		eS	58 14	SR	1.5	113.7		
		eS	58 15	LT	20	551.2		
		ePCS	58 18	ST	1.0	76.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ésS	58 25	SR	1.2	43.6		
		esS	58 45	LR	32	1304.2		
		e	16 01 08	LZ	25	2159.1		
		eLQ	03 02	LR	40	2208.9		
		éLR	04 05	LT	33	4799.8		
		éL	06 10	LT	30	4106.8		
		éL	06 10	LR	30	2695.3		
		éL	06 10	LZ	30	4371.9		
8	HW=	eP	15 55 47.5	SZ	1.0	114.5	65.3	5.87
		eS	16 04 22	LZ	15	931.2		
		eLQ	12 10	LR	25	1038.5		
		éLR	15 15	LZ	27	2034.3		
8	NP=	eP	15 55 50.0	SZ	0.9	109.3	65.9	5.90
		ePP	58 07	SZ	1.3	45.3		
8	AD=	eP	15 57 12.0	SZ	0.7	43.8	79.6	5.45
		e	16 17 50	LZ	22	374.8		
		eL	22 33	LZ	28	325.1		
							AVG.	5.73
8	RK=	eP	16 16 01.2	SZ	0.2	1.0	4.2	
		eS	16 52	SR	0.2	24.5		
8	DH=	eP	17 14 17.5	SZ	0.2	12.7	1.7	
		eS	14 41	SR	0.2	46.4		

8 18 42 59.* 20.9 S 176.7 W FIJI ISLANDS REGION
H=354 KM MAG 4.50 CGS

8	MN=	eP	19 23 21.0	SZ	0.2	3.1	2.0	
		eS	23 48	SR	0.3	4.1		

8 20 06 51.* 18. N 74.0 W NEAR SOUTH COAST OF HAITI
H= 10 KM MAG 5.10 CGS

8	JE=	eP	20 11 42.5	SZ	0.9	94.7	21.3	5.15
		éP	11 43	LZ	20	457.2		
		e	11 48	SZ	1.5	1087.0		
		ePCP	15 43	LZ	18	703.7		
		éL	19 28	LT	23	5098.2		
		éL	21 58	LT	15	6207.0		
		éL	21 58	LR	14	8203.5		
		éL	21 58	LZ	15	1255.3		
8	DH=	eP	20 12 14.0	SZ	1.0	17.7	24.2	4.58
		e	12 18	SZ	1.0	71.1		
		eL	16 34	ST	0.8	16.4		
		eLR	16 45	LR	30	2850.6		
		éL	20 03	LR	20	3891.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		éL	20 03	LT	18.	11536		
		éL	20 03	LZ	22	1332.5		
8	LC=	eP	20 13 23.2	SZ	1.0	4.8	32.6	4.38
		é	13 30	SZ	1.0	15.8		
		e	14 49	SR	1.4	29.6		
		eLQ	18 55	LR	18	548.5		
		éLR	22 50	LZ	32	696.3		
8	RK=	éP	20 13 57.0	SZ	0.7	3.2	36.3	4.25
		é	14 02	SZ	0.7	26.3		
		eLQ	23 40	LR	35	1652.6		
		éLR	26 00	LR	22	2636.0		
8	MN=	éP	20 14 55.2	SZ	0.8	5.9	43.4	4.37
		e	15 02	SZ	1.0	53.3		
8	NP=	eP	20 17 17.5	SZ	0.8	7.4	62.7	4.88
		e	17 23	SZ	1.0	49.6		
							AVG.	4.60
8	AD=	eP	20 40 50.5	SZ	0.3	13.4	1.1	
		eS	41 05	SR	0.4	48.7		
8	AD=	éL	20 52 02	LZ	22	270.7		

8 20 59 43.6 17.5 S 175.0 W TONGA ISLANDS
H=193 KM MAG 4.80 CGS

8	MN=	eP	21 11 16.0	SZ	0.9	8.3	77.0	4.47
8	LC=	éP	21 01 57.4	SZ	0.2	2.3	2.4	
		éS	02 28	SR	0.3	4.4		
8	HW=	eP	22 04 06.4	SZ	0.2	54.5		
8	HW=	éP	22 45 05.5	SZ	0.2	127.2	1.3	
		éS	45 24	ST	0.2	776.0		
8	HW=	éP	23 21 05.0	SZ	0.2	454.3	.3	
		éS	21 10	ST	0.2	634.9		
9	AD=	éP	00 54 04.2	SZ	0.3	9.5	3.1	
		éS	54 43	SR	0.4	24.2		

9 01 48 12.8 17.8 S 178.6 W FIJI ISLANDS REGION
H=537 KM MAG 5.60 CGS

9 03 12 57.3 6.2 S 147.9 E EAST NEW GUINEA REGION
H= 54 KM MAG 4.30 CGS

9	AD=	eLR	03 43 30	LZ	27.	158.9	65.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	05 20 32.7		53.4 N 153.4 E SEA OF OKHOTSK H=511 KM MAG 4.40 CGS					
9	AD-	eP	05 24 46.4	SZ	0.2	44.6	.5	
		eS	24 54	SR	0.3	150.9		
9	MN-	eP	05 29 48.0	SZ	0.5	3.1		
9	05 30 46.9		10.3 S 161.3 E SOLOMON ISLANDS H= 85 KM MAG 5.00 CGS					
9	06 31 29.3		17.1 S 173.1 W TONGA ISLANDS H= 33 KM MAG 4.50 CGS					
9	LC-	eP	06 43 40.5	SZ	1.0	5.0	80.4	4.40
9	07 16 13.*		6. N 78.8 W SOUTH OF PANAMA H= 33 KM MAG 4.20 CGS					
9	07 56 26.*		45.1 S 79.2 W OFF COAST OF SOUTHERN CHILE H= 33 KM MAG 4.50 CGS					
9	LC-	e	08 30 15	LR	27.	168.1	81.1	
		eLQ	32 25	LR	26	223.4		
		eLR	36 45	LZ	21	156.8		
9	JE-	eLQ	08 31 20	LT	33	745.8	77.4	
		eLR	34 45	LZ	28	286.0		
9	AD-	eLR	08 55 20	LZ	23	147.6	127.7	
9	08 26 57.*		1.7 S 78.8 W ECUADOR H=175 KM MAG 3.80 CGS					
9	09 30 26.*		41.1 S 83.7 W WEST CHILE RISE H= 33 KM MAG 4.40 CGS					
9	MN-	eP	10 30 24.5	SZ	0.7	1.6		
9	11 33 26.*		60.7 N 145.4 W ALASKA AFTERSHOCK H= 33 KM MAG 3.80 CGS					
9	AD-	eL	11 45 13	LZ	20.	152.4	19.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	RK-	eL	14 53 15	LR	25.	450.0		
9	15 31 13.2		5.7 N 72.5 W COLOMBIA H= 75 KM MAG 4.00 CGS					
9	LC-	eP	15 38 54.3	SZ	1.0	3.8	41.4	4.16
9	MN-	eP	15 33 32.5	SZ	0.3	.8	.8	
		eS	33 44	SR	0.3	1.7		
9	16 55 41.*		16.8 S 168.4 E NEW HEBRIDES ISLANDS H= 33 KM					
9	20 06 36.9		3 S 125.1 E MOLUCCA SEA H= 59 KM MAG 5.00 CGS					
9	AD-	eSP	20 27 33	LZ	19.	135.2	71.2	
		eLR	42 40	LZ	26	286.8		
9	LC-	e	21 05 10	LR	30	149.6	121.8	
		eLQ	07 10	LZ	25	41.1		
		eLR	09 12	LZ	25	170.4		
9	JE-	eL	21 11 22	LZ	30	177.9	133.0	
9	23 26 43.5		17.5 N 73.7 W HAITI REGION H= 33 KM MAG 5.10 CGS					
10	01 07 44.*		59.8 N 151.8 W KENAI PENINSULA, ALASKA H= 33 KM MAG 4.20 CGS					
10	AD-	eL	01 17 35	LZ	17	278.4	16.0	
10	01 10 12.4		19.1 N 67.3 W MONA PASSAGE H= 33 KM MAG 5.50 CGS					
10	DH-	eP	01 15 25.0	SZ	0.6	11.7	24.0	4.56
		eP	15 32	LZ	22	221.5		
		e	15 46	SZ	0.5	28.1		
		eS	19 39	ST	0.9	48.1		
		eS	19 50	LR	30	2882.7		
		eL	21 05	LR	23	3155.1		
10	JE-	eP	01 15 41.2	SZ	1.2	473.8	25.6	5.98
		eP	15 43	LZ	13	1716.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	20 17	LT	21.	2345.7		
		eLR	25 35	LZ	23	3731.1		
10	LC=	iP	01 17 26.0C	SZ	0.7	70.8	37.6	5.57
		eP	17 26	LZ	22	201.1		
		e	18 50	LR	20	432.0		
		eS	23 25	LR	27	484.6		
		eSCP	23 30	SZ	1.8	163.5		
		eSS	25 48	LR	22	481.8		
		eL	27 36	SZ	1.5	11.2		
		eL	28 20	LZ	31	1149.9		
		eLR	28 53	SR	1.1	3.1		
10	RK=	eP	01 17 28.0	SZ	0.9	43.1	37.9	5.25
		eP	17 28	LZ	18	170.7		
		eS	23 21	LR	19	689.9		
		eS	23 21	LT	20	366.4		
		eL	25 15	LR	20	795.3		
		eL	25 32	SR	0.9	12.2		
10	MN=	iP	01 18 50.1C	SZ	999.9	9999.9	47.9	
		e	24 11	SZ	1.9	134.2		
		eS	25 50	LR	28	603.8		
		eS	25 50	LT	25	434.1		
		eSCS	28 45	LT	25	450.2		
		eL	32 46	LT	30	782.5		
10	NP=	eP	01 20 36.5	SZ	1.0	52.3	62.9	5.56
		eL	41 20	LZ	18	930.1		
10	AD=	eS	01 33 25	LT	18	853.8	86.5	
		eS	33 25	LR	18	437.1		
		eLQ	45 32	LT	23	609.1		
		eLR	53 20	LT	22	761.4		
		eL	59 03	LT	20	1047.9		
		eL	59 03	LR	21	689.6		
		eL	59 03	LZ	20	740.3		
						AVG.	5.38	
10	DH=	eL	01 35 10	SR	0.7	8.5		
10	03 54 26.1		6.4 S 154.2 E SOLOMON ISLANDS H=166 KM MAG 4.70 CGS					
10	AD=	eP	04 57 07.1	SZ	0.3	9.7	2.0	
		eS	57 33	SR	0.4	29.2		
10	MN=	eP	06 01 19.2	SZ	0.2	1.1	.9	
		eS	01 31	SR	0.3	3.6		
10	07 34 49.9		16.7 S 70.8 W SOUTHERN PERU H= 92 KM MAG 5.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	LC=	eP	07 44 45.8	SZ	1.4	12.1	59.7	4.80
10	MN=	eP	07 45 57.9	SZ	1.0	7.5	70.5	4.50
							AVG.	4.65
10	AD=	eP	09 22 08.2	SZ	0.3	29.2	1.1	
		eS	22 23	ST	0.4	110.2		
10	AD=	eP	10 34 35.7	SZ	0.3	136.6	2.2	
		eS	35 04	SR	0.4	160.7		
10	14 00 51.*		12.4 N 88.3 W OFF COAST OF CENTRAL AMERICA H= 71 KM MAG 4.00 CGS					
10	MN=	eL	14 30 30	LZ	32.	116.4	37.1	
10	AD=	eLR	14 38 30	LZ	23	105.4	79.4	
10	AD=	eP	14 06 54.1	SZ	0.3	156.1	3.1	
		eS	07 33.0	ST	0.4	270.6		
10	AD=	eP	14 07 37	LZ	8	807.6		
10	LC=	eL	14 29 00	LZ	24	34.7		
10	14 44 40.1		14.1 S 166.7 E NEW HEBRIDES ISLANDS H= 44 KM					
10	16 58 44.		9.2 N 62.0 W NEAR COAST OF VENEZUELA H= 51 KM MAG 5.50 CGS					
10	DH=	eP	17 05 32.3	SZ	0.8	16.5	34.8	5.01
		ePCP	08 01	SZ	0.7	9.2		
		eL	15 00	LZ	25	868.6		
10	LC=	iP	17 07 14.0D	SZ	0.7	34.8	47.2	5.44
10	RK=	iP	17 07 26.7D	SZ	0.6	62.8	49.0	5.77
10	MN=	iP	17 08 34.2D	SZ	0.6	12.2	58.0	5.11
		eL	28 50	LZ	30	147.4		
10	NP=	eP	17 10 13.6	SZ	0.5	34.0	73.6	5.55
10	JE=	eL	17 14 05	LZ	23	114.2	35.8	
							AVG.	5.37
10	AD=	e	17 49 30	LZ	27.	113.5		
10	17 52 02.5		45.1 N 149.9 E KURILE ISLANDS H= 40 KM MAG 5.30 CGS					
10	NP=	eP	18 00 30.5	SZ	0.9	22.6	46.9	5.18

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	MN=	eP	18 02 42.8	SZ	0.8	8.8	65.3	4.93
10	RK=	eP	18 03 19.0	SZ	0.7	22.3	69.8	5.30
10	LC=	eP	18 03 49.6	SZ	0.7	5.6	76.3	4.69
							AVG.	5.02
10	AD=	e	18 01 02	LZ	18.	354.8		
10	AD=	eLR	18 03 11	LZ	25	539.5		
10	18 18 35.6		30.3 N 57.7 E IRAN H= 13 KM MAG 4.50 CGS					
10	DH=	eP	18 33 31.0	SZ	0.2	35.5	2.0	
		eS	33 57	SR	0.2	20.5		
10	AD=	eP	18 34 10.7	SZ	0.3	9.7	2.2	
		eS	34 40	SR	0.4	131.5		
10	LC=	eP	19 55 36.0	SZ	0.2	1.2	2.9	
		eS	56 12	ST	0.3	5.7		
10	AD=	eP	20 10 03.8	SZ	0.3	19.5	3.0	
		eS	10 42	SR	0.4	121.7		
10	AD=	eL	20 10 48	LZ	17	253.1		
10	20 16 55.8		44.6 N 148.8 E KURILE ISLANDS H= 33 KM MAG 4.80 CGS					
10	MN=	eP	20 27 41.8	SZ	0.5	.9	66.2	4.18
10	21 05 37.9		32.8 S 72.0 W OFF COAST OF CENTRAL CHILE H= 33 KM MAG 4.70 CGS					
10	21 40 10.4		6.2 S 154.5 E SOLOMON ISLANDS H=105 KM MAG 5.70 CGS					
10	AD=	eP	21 50 27.6	SZ	0.7	122.3	62.9	5.94
		eP	50 28	LZ	12	223.7		
		e	59 50	LZ	17	303.7		
		eLQ	22 07 27	LZ	23	189.8		
		eLR	09 45	LZ	29	881.4		
10	MN=	iP	21 53 08.3C	SZ	0.8	17.2	91.7	5.39
		ePP	56 37	SZ	1.5	7.3		
		eL	22 22 00	LZ	31	464.1		
10	LC=	e	22 06 43	LZ	22	68.9	100.8	
		eL	22 22	LZ	27	142.3		
		eL	26 25	LZ	30	530.3		
10	JE=	eL	22 32 10	LZ	28	424.5	113.2	
10	DH=	eL	22 40 00	LZ	30	672.4	123.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	5.66
11	LC=	eP	01 25 34.2	SZ	0.3	3.8	1.7	
		eS	25 57	SR	0.6	2.4		
11	MN=	eP	01 31 57.8	SZ	0.2	12.3	.6	
		eS	32 07	SR	0.3	3.3		
11	01 55 25.		5.8 S 154.1 E SOLOMON ISLANDS H=425 KM MAG 5.30 CGS					
11	AD=	eP	02 05 07.5	SZ	0.6	38.9	62.6	5.16
11	MN=	eP	02 07 48.3	SZ	0.8	3.9	91.8	4.41
11	NP=	eP	02 08 00.4	SZ	0.6	9.3	94.8	5.08
							AVG.	4.88
11	AD=	eP	03 41 02.6	SZ	0.3	189.9	.4	
		eS	41 09	SR	0.3	281.4		
11	05 49 58.7		18. S 176.9 W FIJI ISLANDS REGION H=329 KM MAG 4.30 CGS					
11	07 44 07.*		53.8 N 163.3 E OFF EAST COAST OF KAMCHATKA H= 40 KM MAG 4.20 CGS					
11	08 13 42.*		9.9 N 82.9 W PANAMA COSTA RICA REGION H= 33 KM MAG 3.80 CGS					
11	AD=	eLR	10 17 40	LZ	24.	128.0		
11	10 32 02.7		29.9 N 131.4 E RYUKYU ISLANDS REGION H= 59 KM MAG 4.40 CGS					
11	NP=	eP	10 42 42.0	SZ	0.6	2.8	65.6	4.49
11	12 32 00.2		14.7 S 167.8 E NEW HEBRIDES ISLANDS H=140 KM MAG 4.70 CGS					
11	12 34 35.6		48.7 N 154.8 E KURILE ISLANDS H= 43 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	NP-	eP	12 42 27.0	SZ	0.5	2.5	42.4	4.23
11	AD-	eLR	12 43 37	LZ	25	216.7	18.4	
11	MN-	eP	12 44 44.5	SZ	0.9	2.5	60.6	4.31
							AVG.	4.27
11	DH-	eP	13 04 18.0	SZ	0.4	12.9	1.4	
		eS	04 37	SR	0.4	43.8		
11	13 35 14.*		6.3 N 97.3 E NICOBAR ISLANDS REGION H= 33 KM MAG 5.10 CGS					
11	14 12 35.9		3. N 84.3 W OFF COAST OF CENTRAL AMERICA H= 33 KM MAG 4.60 CGS					
11	MN-	eP	14 20 55.0	SZ	2.2	15.4	46.9	4.64
		e	21 03	SZ	1.4	7.9		
		eLR	36 44	LZ	30	304.7		
11	LC-	e	14 21 09	LR	17	62.0	36.0	
		eS	25 27	LR	22	136.4		
		eL	27 49	LZ	23	74.3		
		eLR	32 55	LZ	21	238.5		
11	JE-	eLR	14 28 39	LZ	25	200.2	29.5	
11	DH-	eLR	14 33 26	LZ	32	1380.4	40.0	
11	DH-	eP	16 18 22.9	SZ	0.4	7.1	2.0	
		eS	18 50	SR	0.3	33.7		
11	DH-	eP	17 56 11.0	SZ	0.5	24.8	1.8	
		eS	56 40	SR	0.4	21.9		
11	LC-	eP	20 43 35.8	SZ	0.5	1.2	.3	
		eS	43 42	ST	0.6	11.8		
11	21 42 20.*		10.2 S 160.8 E SOLOMON ISLANDS H=168 KM MAG 4.90 CGS					
12	AD-	eP	01 51 55.2	SZ	0.2	77.0	1.8	
		eS	52 19	ST	0.3	53.6		
12	02 34 24.*		27.2 N 56.4 E SOUTHERN IRAN H= 44 KM MAG 4.70 CGS					
12	MN-	eP	03 21 39.0	SZ	0.4	.8	2.2	
		eS	22 08	ST	0.4	5.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	AD-	eP	04 25 41.7	SZ	0.2	70.5	.5	
		eS	25 49	SR	0.3	150.0		
12	05 04 50.9		39.4 N 112.0 W UTAH H= 15 KM MAG 3.90 CGS					
12	MN-	eP	05 06 04.0	SZ	0.5	.6	4.9	3.21
		e	06 15	SZ	0.5	7.0		
		eL	07 15	SR	0.7	10.8		
12	LC-	eL	05 09 03	SZ	0.5	1.7	8.2	
12	06 51 49.9		48.9 N 153.7 E KURILE ISLANDS H=127 KM MAG 5.60 CGS					
12	AD-	eP	06 56 03.1	SZ	1.3	285.0	19.1	5.50
		eP	56 04	LZ	16	361.9		
		eS	59 24	LT	19	2007.3		
		eS	59 36	ST	1.0	45.0		
12	NP-	eP	06 59 34.5	SZ	1.0	70.9	42.4	5.34
12	MN-	eP	07 01 53.5	SZ	1.0	28.0	61.2	5.17
12	RK-	eP	07 02 18.0	SZ	1.0	38.9	65.2	5.24
12	LC-	eP	07 03 03.0	SZ	1.1	24.2	72.1	4.92
12	DH-	eP	07 03 44.5	SZ	0.6	26.9	79.7	5.22
12	JE-	eP	07 03 51.5	SZ	0.7	19.8	80.6	5.03
							AVG.	5.20
12	NP-	eP	07 23 37.2	SZ	0.5	13.5		
12	AD-	eP	08 51 34.2	SZ	0.3	14.4	1.1	
		eS	51 49	ST	0.3	37.5		
12	LC-	eP	11 28 18.0	SZ	0.5	.8	1.7	
		eS	28 41	SR	0.4	4.2		
12	12 47 47.*		11.4 N 86.1 W NEAR COAST OF NICARAGUA H=135 KM MAG 4.10 CGS					
12	MN-	eP	12 55 06.5	SZ	0.6	4.6	39.3	4.43
12	AD-	eP	13 04 09.0	SZ	0.3	28.8	.7	
		eS	04 19	SR	0.4	101.4		
12	DH-	eP	13 38 14.5	SZ	0.4	12.6	1.5	
		eS	38 35	SR	0.4	42.3		
12	MN-	eP	14 43 03.0	SZ	999.9	9999.9	1.2	
		eS	43 18	ST	0.5	13.3		
12	DH-	eP	18 50 33.5	SZ	0.4	12.6	1.6	
		eS	50 54	SR	0.4	27.2		
12	19 26 26.1		31. N 49.8 E WESTERN IRAN H= 33 KM MAG 5.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	NP-	eP	19 37 54.0	SZ	1.3	40.0	72.8	5.29
		ePP	40 31	SZ	2.0	42.2		
12	AD-	e	20 02 17	LZ	18	128.8	88.0	
		eLR	10 10	LZ	28	128.1		
12	LC-	eL	20 23 55	LR	26	182.5	113.1	
12	MN-	eP	19 32 16.5	SZ	0.3	3.0	.2	
		eS	32 21	ST	0.5	9.0		
12	AD-	eP	20 26 16.5	SZ	0.2	25.6	1.1	
		eS	26 30	SR	0.3	110.0		
12	DH-	eP	21 14 54.5	SZ	0.5	10.4	2.0	
		eS	15 21	SR	0.4	33.2		
12	AD-	eP	23 09 57.0	SZ	0.2	25.6	.3	
		eS	10 03	SR	0.3	145.0		
13	00 31 14.1		5.4 S 154.3 E SOLOMON ISLANDS H=383 KM MAG 6.00 CGS					
13	HW-	eP	00 40 11.0	SZ	999.9	9999.9	55.2	
		eP	40 14	LZ	17	2054.6		
		epP	41 28	LZ	18	4726.0		
		epP	41 33	SZ	1.4	9999.9		
		eS	47 26	SR	5.1	10.3U		
		eS	47 26	LR	999	9999.9U		
		esS	49 34	LR	999	9999.9U		
		eLQ	56 52	LR	19	9999.9U		
		eLR	01 00 00	LZ	999	9999.9U		
13	AD-	eP	00 40 57.9	SZ	0.7	174.3	62.2	5.73
		eP	40 58	LZ	15	9999.9		
		epP	42 22	SZ	1.0	229.1		
		epP	42 29	LZ	999	9999.9		
		e	43 58	SZ	1.3	259.1		
		eS	48 48	LT	999	9999.9		
		eS	48 54	ST	3.3	4124.1		
		eSCS	50 12	ST	2.8	1289.6		
		esS	51 12	LT	999	9999.9		
13	MN-	eP	00 43 40.0	SZ	999.9	9999.9	91.4	
		eP	43 41	LZ	19	1268.4		
		epP	45 03	LZ	999	9999.9		
		epP	45 10	SZ	999.9	9999.9		
		esP	46 04	SZ	1.4	9999.9		
		ePP	47 27	SZ	3.1	406.2		
		eSKS	53 34	LT	999	9999.9		
		eSKS	53 38	ST	2.4	9999.9		
		eSP	55 19	SZ	3.6	1522.2		
		eP'P'	01 09 04	SZ	2.3	112.5		
		e	11 52	SR	3.2	248.3		
		e	14 39	SR	3.2	107.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	29 47	SZ	3.6	181.4		
13	NP-	eP	00 43 51.0	SZ	0.6	9999.9	94.3	
		epP	45 20	SZ	1.5	9999.9		
		eSKS	53 51	SR	2.6	1220.7		
		eS	54 29	SR	3.4	1636.8		
		eSS	01 01 05	LR	25	9999.9		
		eL	10 35	LR	32	9999.9		
13	LC-	eP	00 44 24	LZ	19	688.8	100.5	
		eP	44 24	SZ	0.8	3.6		4.91
		epP	45 52	SZ	1.4	49.6		
		epP	45 52	LZ	999	9999.9		
		ePP	48 47	SZ	0.6	4.3		
		epPP	49 52	LZ	999	9999.9		
		eSKS	54 28	SR	2.6	595.8		
		eSKS	54 29	LR	999	9999.9		
		eS	55 33	SR	5.1	1264.0		
		eSP	56 51	LZ	999	9999.9		
		eSP	56 59	SZ	5.0	1024.0		
		ePKKP	01 00 33	SZ	1.0	4.6		
		eP'P'	08 44	SZ	2.5	71.4		
13	JE-	ePD	00 45 22	LZ	17	517.1	112.9	
		epPD	46 47	LZ	18	1821.4		
		ePP	50 00	SZ	0.9	15.0		
		epPP	51 24	SZ	1.5	68.9		
		epPP	51 24	LZ	22	2718.4		
		esPP	52 07	SZ	2.0	146.4		
		eSKS	55 24	LR	999	9999.9		
		e	56 20	SR	3.2	1486.2		
		eSKKS	56 26	LR	999	9999.9		
		eSKKS	56 29	SR	3.0	2393.2		
		eSP	59 07	LZ	999	9999.9		
		ePKKP	59 57	SZ	0.6	28.6		
		e	01 01 03	LZ	999	9999.9		
		eSS	05 32	LR	999	9999.9		
13	DH-	epPD	00 47 30	LZ	25	575.1	123.1	
		eP'	49 26	SZ	0.7	96.3		
		eP'	49 28	LZ	15	332.5		
		ePP	51 09	LZ	31	1022.4		
		eSKS	55 54	LR	18	3200.0		
		eSKKS	57 32	LR	19	5000.0		
		eSKKS	57 33	SR	3.0	747.9		
		ePKKP	59 20	SZ	0.7	9.1		
		eSPP	01 02 05	LZ	999	9999.9		
		eSS	07 35	LR	999	9999.9		
		esSS	10 11	LR	999	9999.9		
		eSSS	12 13	LR	999	9999.9		
		e	21 50	LZ	999	9999.9		
		e	33 08	LZ	26	9999.9		
		eL	38 00	LR	20	9999.9		
13	RK-	eP'	00 48 57.0	SZ	0.7	24.0	108.0	
		epPP	50 44	SZ	1.6	120.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKS	54 59	ST	2.4	433.5		
		eSKKS	55 52	SR	3.0	981.6		
		ePKKP	01 00 25	SZ	0.8	16.0		
		eL	15 11	SR	1.4	18.6		
							AVG.	5.32
13	MN-	eP	02 09 29.5	SZ	0.4	.7	5.1	
		e	09 45	SZ	0.5	4.7		
		eS	10 30	SR	0.4	9.6		
13	MN-	eP	02 17 50.9	SZ	1.0	3.5		
13	MN-	eL	02 43 30	LZ	26	1109.7		
13	04 20 55.*		54.4 N 158.7 E KAMCHATKA H= 33 KM MAG 4.20 CGS					
13	04 28 23.2		6. S 130.4 E BANDA SEA H=127 KM MAG 5.00 CGS					
13	AD-	eLR	05 02 52	LZ	28.	212.6	73.1	
13	LC-	eL	05 25 52	LZ	24	113.4	120.9	
13	JE-	eL	05 36 52	LZ	21	201.0	132.8	
13	06 35 39.		42.2 N 126.1 W OFF COAST OF OREGON H= 33 KM MAG 4.90 CGS					
13	MN-	eP	06 37 24.0	SZ	0.8	2.0	7.1	4.06
		e	38 08	SZ	1.1	12.3		
		eL	39 01	SR	1.0	13.1		
		eL	39 10	LT	18	1425.5		
13	LC-	eP	06 39 54.3	SZ	1.1	7.1	18.3	3.78
		eL	45 39	LR	17	311.5		
13	NP-	eP	06 42 26.5	SZ	0.8	7.7	34.3	4.66
13	JE-	eL	06 51 03	LT	24	446.0	29.0	
							AVG.	4.16
13	08 38 11.4		59.7 N 145.3 W GULF OF ALASKA H= 33 KM MAG 4.20 CGS					
13	NP-	eP	08 42 35.0	SZ	1.0	13.7	18.9	4.16
13	MN-	eL	08 54 20	LT	21	432.2	27.4	
13	JE-	eL	09 01 35	LR	11	763.9	44.8	
13	AD-	eLR	08 45 18	LZ	18.	71.2		
13	08 50 46.*		42.3 N 125.5 W OFF COAST OF OREGON H= 33 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	10 28 06.*		19.2 N 109.0 W REVILLA GIGEDO ISLANDS REG. H= 33 KM MAG 4.20 CGS					
13	LC-	eP	10 31 17.4	SZ	1.2	8.9	13.3	4.53
		eLQ	33 55	LR	18	9999.9		
		eLR	35 03	LZ	14	480.3		
13	MN-	eP	10 32 46.3	SZ	0.9	15.3	20.8	4.32
		eS	36 49	LT	16	202.1		
		eL	38 26	LZ	26	287.7		
13	NP-	eP	10 37 51.6	SZ	0.8	9999.9	57.3	
13	JE-	eL	10 40 20	LZ	17	159.1	19.8	
							AVG.	4.42
13	10 38 05.		34.2 N 25.7 E CRETE H= 33 KM MAG 4.40 CGS					
13	10 48 34.*		19.3 S 177.6 W FIJI ISLANDS REGION H=551 KM MAG 4.30 CGS					
13	AD-	eP	12 15 30.8	SZ	0.2	12.8	2.3	
		eS	16 01	ST	0.3	58.9		
		eP	13 58 47.2	SZ	0.3	9.6		
		eS	59 17	SR	0.3	56.1		
13	16 27 35.4		19.5 N 155.4 W HAWAII H= 11 KM MAG 4.10 CGS					
13	HW-	iP	16 27 49.8C	SZ	999.9	9999.9	.6	
13	16 32 17.*		5.9 S 81.1 W NEAR COAST OF NORTHERN PERU H= 33 KM MAG 4.20 CGS					
13	LC-	eL	16 56 18	LZ	22.	90.1	45.2	
13	MN-	eL	17 01 56	LZ	22	137.5	55.9	
13	MN-	eP	17 04 07.8	SZ	0.4	1.1	1.9	
		eS	04 33	SR	0.5	2.4		
13	DH-	eP	18 10 55.7	SZ	0.6	11.5	1.5	
		eS	11 16.0	SR	0.6	40.3		
13	18 26 30.7		10.5 S 13.3 W ASCENSION ISLAND REGION H= 33 KM MAG 5.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	DH-	eL	19 00 28	LZ	27.	411.6	76.9	
13	JE-	eL	19 06 57	LZ	31	439.4	86.0	
13	LC-	eL	19 13 24	LZ	33	185.4	98.3	
13	MN-	eL	19 18 00	LZ	42	565.3	108.1	
13	AD-	eLR	19 37 47	LZ	25	151.7	136.6	
13	AD-	eP	21 20 03.8	SZ	0.3	9.6	1.5	
		eS	20 25	SR	0.4	44.3		
13	AD-	eP	21 41 25.4	SZ	0.3	28.8	1.4	
		eS	41 43	SR	0.3	188.7		
13	21 51 02.*		46.5 N 112.2 W MONTANA H= 15 KM MAG 4.10 CGS					
13	AD-	eP	23 02 56.4	SZ	0.4	41.8	3.4	
		eS	03 38	SR	0.6	71.7		
13	AD-	eL	23 03 53	LZ	21	299.8		
13	AD-	eP	23 05 02.3	SZ	0.3	43.3	.7	
		eS	05 12	SR	0.3	377.5		
13	AD-	eP	23 39 33.6	SZ	0.3	38.5	2.5	
		eS	40 06	SR	0.3	76.5		
14	MN-	eP	01 37 54.8	SZ	1.0	1.6		
14	RK-	eP	03 45 13.2	SZ	0.2	1.0	5.0	
		eS	46 15	ST	0.4	9.5		
14	03 53 41.*		16.7 N 95.6 W OAXACA, MEXICO H= 33 KM MAG 3.50 CGS					
14	LC-	eP	05 33 36.4	SZ	0.2	15.2		
14	LC-	eS	05 33 49	SR	0.2	19.4		
14	07 08 55.9		9.8 S 123.8 E TIMOR H= 33 KM					
14	LC-	eP	07 15 29.8	SZ	0.7	1.7		
14	LC-	eP	07 25 10.0	SZ	1.0	2.3		
14	RK-	eP	07 27 02.8	SZ	0.5	3.3		
14	RK-	eP	12 55 43.6	SZ	0.2	2.1	2.2	
		eS	56 12	SR	0.3	19.3		
14	LC-	eP	14 57 14.8	SZ	0.2	1.1	3.0	
		eS	57 53	ST	0.2	4.9		
14	AD-	eP	15 45 00.9	SZ	0.4	32.3	2.8	
		eS	45 37	SR	0.4	35.7		
14	AD-	eP	16 22 54.2	SZ	999.9	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	AD-	eP	16 22 55	LZ	8.	1309.2		
14	AD-	eL	16 23 03	LZ	18	2204.9		
14	LC-	eP	16 53 51.0	SZ	0.2	1.1	1.8	
		eS	54 15	ST	0.2	5.4		
14	NP-	eP	16 59 12.0	SZ	1.0	7.1		
14	RK-	eP	17 03 45.5	SZ	0.2	3.2	4.0	
		eS	04 36	SR	0.3	22.2		
14	19 25 38.2		4 N 79.9 W NEAR COAST OF ECUADOR H=102 KM MAG 4.60 CGS					
14	LC-	eLR	19 45 50	LZ	18.	48.5	40.6	
14	HW-	eP	20 51 20.0	SZ	0.2	163.5	.5	
		eS	51 28	ST	0.2	317.4		
14	21 27 41.6		7.4 N 36.8 W CENTRAL MID ATLANTIC RIDGE H= 33 KM MAG 4.80 CGS					
14	JE-	eP	21 37 05	LZ	18.	112.2	56.7	
		eSP	45 20	LZ	24	470.5		
		eLQ	51 42	LT	42	6958.2		
		eLR	54 15	LZ	35	2385.5		
14	RK-	eP	21 38 10.3	SZ	0.7	3.3	63.7	4.56
14	LC-	eP	21 38 45	LZ	23	70.3	69.0	
		eP	38 46	SZ	1.0	3.5		4.42
		eS	47 50	LR	24	626.1		
		e	53 00	LZ	23	249.0		
		eLQ	58 05	LR	32	602.2		
		eLR	22 00 00	LZ	33	860.6		
14	MN-	eP	21 39 42.2	SZ	1.1	3.0	78.7	4.20
		eS	49 40	LT	28	386.6		
		eSS	55 05	LT	29	447.1		
		eL	22 01 45	LT	40	1649.0		
		eL	04 12	LT	30	1871.0		
		eL	04 12	LR	30	1212.5		
		eL	04 12	LZ	32	659.7		
14	NP-	eP	21 39 55.0	SZ	1.3	11.5	81.1	4.69
		eS	50 06	LR	20	1289.7		
		eLQ	22 01 15	LR	45	6077.5		
		eLR	06 08	LZ	23	812.2		
14	DH-	eS	21 43 18	LR	24	1635.5	48.3	
		eS	43 18	LT	22	870.2		
		e	46 48	LZ	30	1309.9		
		eLR	49 48	LZ	28	1908.3		
14	AD-	e	22 13 23	LZ	26	223.5	111.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	20 52	LZ	27.	460.2	AVG.	4.46
14	21 48 31.2		18.8 S 168.2 E NEW HEBRIDES ISLANDS H= 26 KM MAG 4.60 CGS					
15	02 29 28.*		50.7 N 179.4 E RAT ALEUTIAN ISLANDS H= 33 KM MAG 4.10 CGS					
15	AD-	eP	02 30 05.4	SZ	0.3	161.4	2.7	
		eP	30 22	LZ	15	1227.6		
		eS	30 31	SR	0.4	367.5		
15	03 34 50.8		5.5 S 104.1 E SOUTHERN SUMATRA H= 33 KM MAG 5.20 CGS					
15	RK-	eP1	03 54 02.0	SZ	0.7	2.1	132.4	
		e	56 39	ST	999.9	9999.9		
15	DH-	eP1	03 54 36.0	SZ	0.5	75.3	143.4	
		e	55 11	SZ	0.6	113.9		
		e	55 25	SR	0.6	105.3		
15	JE-	eSKS	04 01 50	LR	15	1156.2	149.8	
		ePKKP	03 42	LZ	13	658.3		
		eLR	50 05	LZ	20	105.5		
15	AD-	eLR	04 17 43	LZ	27	164.6	87.7	
15	04 10 09.3		4.1 S 104.7 E SOUTHERN SUMATRA H= 17 KM					
15	RK-	eL	04 54 30	LZ	25.	365.6		
15	08 57 41.*		34.3 N 28.0 E EASTERN MEDITERRANEAN SEA H= 68 KM					
15	MN-	eP	08 57 57.2	SZ	999.9	9999.9	1.0	
		eS	58 11	SR	999.9	9999.9		
15	10 03 57.1		10.8 N 81.6 W NORTH OF PANAMA H= 33 KM MAG 3.80 CGS					
15	DH-	eP	14 15 10.5	SZ	0.4	9.3	1.5	
		eS	15 31	SR	0.4	43.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	14 43 03.1		12. N 88.0 W NEAR COAST OF NICARAGUA H= 39 KM MAG 4.00 CGS					
15	RK-	eP	15 12 09.0	SZ	0.2	4.1	3.2	
		eS	12 49	ST	0.3	7.9		
		e	12 59	ST	0.3	9.2		
15	MN-	eP	17 15 24.0	SZ	0.2	3.9	1.1	
		eS	15 38	SR	0.3	1.8		
15	LC-	eP	17 22 26.5	SZ	0.5	2.2	2.8	
		e	22 31	SZ	0.5	4.0		
		eS	23 03	ST	0.5	5.4		
15	MN-	eP	18 08 22.0	SZ	0.3	1.4	1.3	
		eS	08 40	SR	0.5	2.2		
15	MN-	eP	20 56 44.5	SZ	0.3	1.1	2.3	
		eS	57 14	ST	0.5	5.5		
15	LC-	eP	21 00 06.5	SZ	0.4	13.0	1.4	
		eS	00 26	ST	0.4	15.6		
15	21 22 03.8		6.7 N 73.4 W NORTHERN COLOMBIA H=175 KM MAG 4.80 CGS					
15	LC-	eP	21 29 25.1	SZ	0.9	40.0	40.1	5.02
		e	30 00	SZ	1.0	15.3		
15	RK-	eP	21 30 18.5	SZ	0.5	18.2	47.1	4.86
15	MN-	eP	21 30 52.5	SZ	0.7	2.9	51.3	4.04
							AVG.	4.64
16	00 42 13.4		19.8 S 169.5 E NEW HEBRIDES ISLANDS H=102 KM MAG 4.70 CGS					
16	DH-	eLR	01 44 50	LZ	30.	132.4	121.9	
16	MN-	iP	01 05 10.5D	SZ	1.0	5.8		
16	LC-	eL	01 39 53	LZ	30	48.9		
16	LC-	eLR	01 43 30	LR	17	86.5		
16	MN-	eP	02 14 04.0	SZ	0.3	2.3	1.7	
		eS	14 26	SR	0.5	8.2		
16	02 57 06.*		61.6 N 150.2 W SOUTHERN ALASKA H= 63 KM MAG 4.10 CGS					
16	JE-	eLR	03 23 10	LZ	30.	77.8	47.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	07 30 12.*		13.3 N 87.6 W HONDURAS H= 60 KM MAG 3.90 CGS					
16	11 08 00.2		5.9 S 151.4 E NEW BRITAIN REGION H= 54 KM					
16	MN=	eP	11 21 15.0	SZ	1.0	5.0	94.0	4.85
		eLR	52 05	LZ	30	117.4		
16	AD=	eLR	11 38 10	LZ	24	105.7	63.7	
16	LC=	eL	11 56 15	LZ	35	63.9	103.3	
		eLR	58 45	LZ	25	58.8		
16	JE=	eP	11 35 56.5	SZ	0.3	10.4	1.7	
		e	36 04	SZ	0.5	73.4		
		eS	36 21	ST	0.4	88.4		
16	11 40 46.5		40.3 N 142.2 E NEAR E. COAST HONSHU, JAPAN H= 74 KM MAG 4.40 CGS					
16	12 34 34.8		12. N 88.6 W OFF COAST OF CENTRAL AMERICA H= 33 KM MAG 4.30 CGS					
16	LC=	eP	12 40 09.5	SZ	1.0	5.8	26.2	4.15
16	JE=	eLR	12 45 04	LZ	25	98.3	19.9	
16	AD=	e	13 03 15	LZ	22	168.0	79.5	
		e	07 10	LZ	19	224.4		
		eL	09 50	LZ	17	378.1		
		eLR	16 00	LZ	17	378.1		
16	12 38 20.6		62.1 N 147.3 W CENTRAL ALASKA H= 56 KM MAG 4.10 CGS					
16	LC=	e	12 45 55	LR	15.	69.0	39.4	
		eSCP	51 20	LZ	25	58.8		
		e	53 03	LZ	17	69.0		
16	MN=	eL	12 56 05	LT	22	265.4	29.7	
16	15 52 38.7		27.8 N 53.0 E SOUTHERN IRAN H= 31 KM					
16	MN=	eP	16 10 46.5	SZ	0.3	.5	2.9	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	11 24	SR	0.4	2.0		
16	MN=	eP	16 35 54.0	SZ	999.9	9999.9	.5	
		eS	36 02	ST	0.3	9.2		
16	19 40 53.9		15. S 175.8 W SAMOA ISLANDS REGION H=332 KM MAG 4.60 CGS					
16	MN=	eP	19 52 05.5	SZ	1.0	13.3	75.7	4.62
		epP	53 20	SZ	1.2	8.9		
16	LC=	eP	19 52 36.0	SZ	1.0	18.8	81.2	4.84
							AVG.	4.73
16	20 36 00.*		52.2 N 170.3 E ALEUTIAN NEAR ISLANDS H= 33 KM MAG 4.50 CGS					
16	LC=	eP	20 46 14.5	SZ	1.0	4.7	61.1	4.55
16	21 28 49.1		39.7 N 52.6 E CASPIAN SEA H= 33 KM MAG 4.80 CGS					
16	LC=	eL	22 31 18	LZ	25.	58.8		
16	AD=	iP	22 37 05.2D	SZ	0.2	266.6	1.0	
16	AD=	eS	22 37 19	SR	0.3	406.8		
17	00 17 40.9		35. N 26.0 E CRETE H= 18 KM MAG 4.80 CGS					
17	RK=	eP	00 29 46.5	SZ	1.3	21.8	79.4	4.96
17	JE=	eLR	01 10 00	LZ	20	133.2	91.7	
17	LC=	eLR	01 11 30	LZ	22	67.2	99.5	
17	00 59 47.*		12.1 S 75.3 W PERU H=163 KM MAG 3.90 CGS					
17	LC=	eP	01 12 33.5	SZ	0.6	.4	.5	
		eS	12 41	ST	0.5	3.3		
17	MN=	eL	01 15 45	LZ	20	121.6		
17	HW=	eP	01 58 46.8	SZ	0.4	181.4	.6	
		eS	58 55	ST	0.2	388.0		
17	LC=	eL	04 59 45	LZ	20	57.8		
17	MN=	eP	06 08 06.5	SZ	0.3	8.9	.5	
		eS	08 14	ST	0.4	13.6		
17	MN=	eP	07 15 39.5	SZ	0.3	.5	1.2	
		eS	15 55	SR	0.4	4.2		
17	RK=	eP	07 51 47.7	SZ	0.7	4.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	LC-	eL	07 59 25	LZ	20.	156.1		
17	08 42 48.*		22. S 67.0 W CHILE BOLIVIA BORDER REGION H=192 KM MAG 4.70 CGS					
17	09 07 03.8		52. N 30.0 W NORTH ATLANTIC RIDGE H= 42 KM MAG 4.90 CGS					
17	RK-	eP	09 14 23.5	SZ	0.5	4.2	38.6	4.48
		eLR	25 47	LZ	38	387.6		
17	LC-	eP	09 16 49.5	SZ	1.3	11.3	57.3	4.74
		eLR	34 35	LZ	40	81.8		
17	MN-	eP	09 17 07.5	SZ	1.0	6.6	59.9	4.66
		eLR	39 05	LZ	30	143.1		
17	DH-	eLR	09 22 10	LZ	30	577.2	31.6	
17	JE-	eL	09 30 50	LZ	30	117.5	48.8	
		eLR	34 35	LZ	22	903.6		
							AVG.	4.62
17	11 45 01.2		18. S 178.3 W FIJI ISLANDS REGION H=648 KM MAG 5.10 CGS					
17	MN-	eP	11 56 04.5	SZ	1.0	20.8	79.5	
17	LC-	eP	11 56 32.0	SZ	1.1	26.2	84.9	
17	HW-	eLR	12 09 03	LZ	25	351.0	43.8	
17	11 51 19.3		46.3 N 151.9 E KURILE ISLANDS H= 33 KM MAG 4.90 CGS					
17	RK-	eP	12 02 15.5	SZ	1.0	9.0	67.9	4.83
		eLR	27 29	LZ	25	96.2		
17	LC-	eP	12 02 56.5	SZ	1.3	9.0	74.5	4.58
17	DH-	eP	12 03 40.5	SZ	0.9	13.7	82.5	5.03
							AVG.	4.81
17	MN-	eP	12 01 48.5	SZ	1.0	5.0		
17	12 41 58.*		50. N 171.8 W ALEUTIAN ISLANDS REGION H= 33 KM MAG 4.50 CGS					
17	RK-	eP	12 45 38.7	SZ	0.2	3.2	2.2	
		e	45 42	SZ	0.3	8.9		
		eS	46 07	SR	0.7	13.2		
17	DH-	eP	13 22 06.5	SZ	0.3	9.5	1.5	
		eS	22 26	SR	0.5	26.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	14 42 56.6		24.2 N 94.0 E BURMA INDIA BORDER REGION H=184 KM MAG 4.70 CGS					
17	MN-	eLR	15 27 40	LZ	25.	221.1	110.8	
17	HW-	eL	15 30 55	LR	25	361.2	99.2	
17	14 54 01.4		42.6 N 142.8 E HOKKAIDO. JAPAN REGION H= 33 KM MAG 5.10 CGS					
17	MN-	iP	15 05 17.6C	SZ	0.8	5.4	71.0	4.63
17	RK-	eP	15 05 38.5	SZ	0.9	15.7	74.8	4.98
17	LC-	eP	15 06 19.5	SZ	0.8	6.9	82.0	4.74
17	DH-	eP	15 06 53.5	SZ	0.7	13.3	89.0	5.25
17	HW-	eL	15 14 20	LT	30	819.2	55.9	
							AVG.	4.90
17	RK-	eP	15 05 15.0	SZ	0.7	3.3		
17	15 15 18.9		72.2 N 1.7 E NORWEGIAN SEA H= 33 KM MAG 5.40 CGS					
17	RK-	eP	15 23 23.5	SZ	1.0	7.7	44.1	4.40
		eP	23 27	LZ	13	242.3		
		e	25 08	LR	20	214.9		
		ePP	25 15	SZ	1.1	8.4		
		eS	30 06	LR	22	812.2		
		e	33 07	LZ	19	482.6		
		eLR	36 40	LZ	34	1749.8		
17	MN-	eP	15 25 38.0	SZ	1.1	4.1	62.0	4.51
		eL	44 05	LZ	35	561.7		
		eLR	48 55	LZ	26	637.1		
		eL	52 35	LZ	17	1603.4		
		eL	52 35	LT	20	1017.7		
		eL	52 35	LR	18	432.4		
17	LC-	eP	15 25 56.0	SZ	1.5	20.8	64.8	5.04
		ePPP	30 10	LZ	20	80.9		
		e	33 15	LZ	30	129.2		
		eS	34 45	LR	25	214.9		
		e	44 35	LZ	48	507.8		
		eLR	47 50	LR	24	495.1		
17	NP-	eLR	15 29 35	LZ	24	3537.4	27.6	
17	DH-	eLQ	15 36 05	LT	26	308.8	46.3	
		eLR	39 45	LT	25	690.5		
17	JE-	eLQ	15 46 55	LR	22	2165.9	61.2	
		eLR	49 30	LZ	25	1056.4		
							AVG.	4.65

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	MN-	eP	15 15 36.0	SZ	0.5	1.8		
17	MN-	eP	15 41 30.0	SZ	0.3	.5	3.4	
		eS	42 12	SR	0.6	4.8		
17	DH-	eL	16 14 30	LZ	20	286.2		
17	16 38 44.4		51.5 N 177.8 E RAT ALEUTIAN ISLANDS					
			H= 42 KM MAG 5.40 CGS					
17	AD-	eP	16 39 37.8	SZ	999.9	9999.9	3.5	
		eS	40 17	LT	17	6075.0		
17	MN-	eP	16 47 04.4	SZ	0.7	33.9	45.7	5.37
		eLR	17 00 25	LZ	25	522.6		
17	RK-	eP	16 47 51.2	SZ	0.5	18.8	52.1	5.32
		eLR	17 03 39	LZ	37	500.0		
17	LC-	iP	16 48 26.8C	SZ	0.7	54.5	56.8	5.69
		eSS	17 00 25	LR	25	118.9		
		e	03 05	LZ	23	89.6		
		eLQ	05 10	LR	35	99.4		
		eLR	07 05	LZ	27	132.6		
17	DH-	eP	16 49 36.5	SZ	0.6	7.4	67.4	4.95
		eL	17 13 40	LR	25	238.3		
		eL	20 15	LR	21	745.7		
		eL	20 15	LZ	19	1100.9		
		eL	20 15	LT	20	653.2		
							AVG.	5.33
17	16 38 53.4		71.9 N .4 W JAN MAYEN ISLAND REGION					
			H= 33 KM MAG 4.20 CGS					
17	JE-	eL	17 21 50	LZ	16.	423.4		
17	DH-	eP	17 30 37.5	SZ	0.5	10.0	1.6	
		eS	30 59	SR	0.5	30.3		
17	MN-	eP	18 02 45.5	SZ	1.0	3.3		
17	DH-	eP	18 43 34.0	SZ	0.5	20.1	1.8	
		eS	43 58	SR	0.3	35.0		
17	DH-	eP	18 50 55.5	SZ	0.5	6.7	1.4	
		eS	51 15	SR	0.5	40.4		
17	LC-	eL	18 54 05	LR	25	91.4		
17	MN-	eP	19 02 58.5	SZ	0.5	7.5	.2	
		eS	03 03	SR	0.5	16.1		
17	19 05 44.*		12.4 N 86.8 W NICARAGUA					
			H=116 KM MAG 4.50 CGS					
17	MN-	eP	19 12 54.0	SZ	0.9	5.1	38.1	4.39
17	DH-	eP	19 16 15.5	SZ	0.3	9.5	1.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	16 40	ST	0.5	26.9		
17	LC-	eP	19 18 51.0	SZ	0.2	1.1	2.0	
		e	18 55	SZ	0.3	2.5		
		eS	19 21	ST	0.5	3.3		
		e	19 29	ST	0.4	9.8		
17	DH-	eP	19 43 17.5	SZ	0.5	23.5	2.2	
		eS	43 46	SR	0.4	46.1		
17	MN-	eP	20 04 36.8	SZ	0.3	1.4	.9	
		eS	04 49	SR	0.2	5.8		
17	HW-	eP	20 16 05.0	SZ	0.3	319.5	.2	
		eS	16 09	ST	0.6	712.8		
17	20 17 26.6		27.8 S 70.5 W NEAR COAST OF NORTHERN CHILE					
			H= 33 KM MAG 4.60 CGS					
17	RK-	eP	20 29 39.5	SZ	1.5	29.4	80.9	5.02
		epP	29 49	SZ	1.0	11.3		
17	LC-	eL	20 53 48	LR	20	73.8	69.0	
17	21 41 21.3		72.5 N 1.8 E NORWEGIAN SEA					
			H= 33 KM MAG 4.40 CGS					
17	21 41 46.*		51.7 N 167.7 W FOX ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.90 CGS					
17	MN-	eP	21 48 52.5	SZ	0.9	5.7	36.7	4.39
17	RK-	eP	21 49 54.6	SZ	0.5	5.8	44.5	4.63
							AVG.	4.51
17	22 02 35.1		24.5 S 176.8 W SOUTH OF FIJI ISLANDS					
			H= 33 KM MAG 4.50 CGS					
17	22 33 58.*		33.3 N 114.8 W CALIFORNIA ARIZONA REGION					
			H= 14 KM MAG 4.20 CGS					
17	MN-	eP	22 35 27.0	SZ	0.6	4.1	5.8	4.33
		eL	36 45	SZ	1.5	17.1		
17	22 47 32.4		52.1 N 30.1 W NORTH ATLANTIC RIDGE					
			H= 36 KM MAG 5.10 CGS					
17	MN-	eP	22 57 36.5	SZ	1.0	10.0	59.8	4.83
		eLR	23 20 10	LZ	22	176.8		
17	DH-	eL	23 04 25	LT	20	348.4	31.5	
17	RK-	eLR	23 07 18	LZ	25	365.6	38.5	
17	JE-	eLR	23 12 30	LZ	30	195.9	48.7	
		eL	16 00	LZ	19	1000.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	16 00	LR	18.	513.7		
		eL	16 00	LT	20	925.0		
17	LC-	eLR	23 15 00	LZ	35	62.2	57.2	
17	AD-	eP	23 12 37.0	SZ	0.2	63.3	.5	
		eS	12 45	SR	0.3	74.2		
18	00 26 51.8		7.2 S 74.4 W PERU BRAZIL BORDER REGION H=156 KM MAG 5.30 CGS					
18	JE-	eP	00 34 32.0	SZ	0.5	44.0	42.3	5.36
18	DH-	eP	00 35 27.0	SZ	0.7	26.7	49.2	5.00
		epP	36 02	SZ	0.7	40.1		
18	LC-	eP	00 35 32.2	SZ	0.6	226.1	49.9	6.00
		epP	36 08	SZ	0.6	71.9		
18	RK-	iP	00 36 43.8D	SZ	0.9	62.3	60.2	5.51
		ePCP	37 20	SZ	0.8	38.6		
18	MN-	eP	00 36 51.0	SZ	0.5	9999.9	60.9	
		ePCP	37 28	SZ	0.6	6.9		
							AVG.	5.46
18	00 33 55.*		44.2 N 16.4 E YUGOSLAVIA H= 33 KM MAG 4.40 CGS					
18	02 13 37.*		40.3 N 125.7 W OFF COAST NORTH CALIFORNIA H= 15 KM MAG 3.75 CGS					
18	MN-	eP	02 15 10.0	SZ	0.4	1.3	6.1	4.07
		e	15 19	SZ	0.5	3.0		
		eS	16 19	SR	0.5	6.9		
		eL	16 35	LT	20	978.6		
18	LC-	eL	02 22 40	LZ	26	935.1	17.3	
18	JE-	eL	02 23 55	LT	20	960.8	28.4	
18	04 35 43.6		42.8 N 145.3 E HOKKAIDO, JAPAN REGION H= 33 KM MAG 4.70 CGS					
18	04 44 58.		26.4 S 71.5 W OFF COAST OF NORTHERN CHILE H= 8 KM MAG 6.40 CGS					
18	JE-	iP	04 55 14.3C	SZ	1.3	374.1	61.1	6.36
		eP	55 15	LZ	17	3282.3		
		ePPP	59 18	LZ	18	1445.4		
		eS	05 03 30	LR	18	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	07 40	LR	20.	5491.2		
		eLQ	10 55	LR	20	9999.9		
		eLR	15 03	LZ	35	9999.9		
18	LC-	eP	04 55 55.5	SZ	1.3	3638.2	67.4	7.42
		eP	55 57	LZ	999	9999.9		
		e	58 43	SZ	2.4	1883.5		
		eS	05 04 52	SR	2.9	1074.8		
		eS	04 55	LR	999	9999.9		
		eSS	09 28	LR	999	9999.9		
		eSSS	12 25	LR	999	9999.9		
		eL	14 40	LR	999	9999.9		
		eP'P'	24 18	SZ	2.0	691.0		
18	DH-	eP	04 56 02.0	SZ	1.2	510.0	68.4	6.60
		eP	56 04	LZ	22	2165.9		
		eS	05 04 52	LR	23	9999.9		
		eSCS	05 55	LT	23	2719.4		
		eSS	09 30	LR	20	969.8		
		eSSS	12 30	LR	23	1719.9		
		eL	19 20	LT	30	3962.3		
18	MN-	eP	04 56 58	LZ	22	2146.5	77.9	
		eP	56 58	SZ	999.9	9999.9		
		ePP	59 55	LZ	18	910.7		
		eS	05 06 51	SR	3.0	105.5		
		eS	07 03	LT	25	2133.6		
		eSS	11 35	LR	23	9999.9		
		eLQ	18 08	LT	27	9999.9		
		eLR	23 50	LT	25	9999.9		
		eP'P'	23 59	SZ	1.5	17.1		
18	RK-	iP	04 57 04.9C	SZ	1.4	584.5	79.4	6.37
		eP	57 05	LZ	13			
		ePCP	57 14	SZ	1.6	512.5		
		ePP	05 00 10	LZ	17			
		eS	07 02	LT	29			
		eSS	12 15	LR	32			
		e	16 15	LT	21			
		e	22 30	LT	25			
		eLQ	23 45	LT	45			
		eP'P'	23 54	SZ	1.5	19.8		
		eLR	26 35	LT	28			
18	HW-	eP	04 58 20	LZ	19	763.8	93.7	
		ePP	05 02 08	LZ	20	804.8		
		eS	09 33	LT	20	1816.4		
		ePS	10 35	LT	18	2656.3		
		eLR	27 40	LZ	25	8441.3		
18	NP-	ePP	05 03 40	LZ	21	1524.7	106.6	
		e	17 47	LZ	24	1285.1		
		eSS	18 38	LT	27	3672.6		
		e	27 44	LT	23	1072.1		
		eLQ	32 19	LR	30	8382.6		
		eLR	41 38	LR	28	8831.5		
							AVG.	6.68

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	NP=	eP	05 27 58.0	SZ	1.2	13.3		
18	08 47 18.*		45.1 N 110.5 W MONTANA H= 33 KM MAG 4.20 CGS					
18	MN=	eL	09 33 05	LZ	26.	80.9		
18	NP=	eP	09 39 47.5	SZ	1.1	6.0		
18	NP=	e	09 43 41	SZ	1.1	4.2		
18	11 09 43.4		5 N 67.2 E CARLSBERG RIDGE H= 33 KM MAG 5.10 CGS					
18	MN=	eP1	11 29 13.8	SZ	0.9	7.6	140.9	
18	LC=	eP2	11 29 24.2	SZ	1.7	389.0	146.8	
18	LC=	eL	12 30 40	LZ	27.	673.8		
18	15 26 11.4		5.7 N 58.0 E CARLSBERG RIDGE H= 33 KM MAG 5.40 CGS					
18	MN=	eP1	15 45 33.6	SZ	1.2	15.3	135.9	
18	LC=	eP1	15 45 39.5	SZ	1.4	134.5	139.4	
18	AD=	eP	15 58 54.8	SZ	999.9	9999.9	2.0	
		eS	59 21	SR	0.4	258.3		
18	LC=	eL	16 50 00	LZ	20	922.9		
18	AD=	eP	17 01 48.8	SZ	0.3	14.4	1.7	
		eS	02 12	SR	0.3	170.2		
18	DH=	eP	17 21 24.5	SZ	0.2	8.5	1.0	
		eS	21 38	SR	0.4	12.0		
18	MN=	eP	17 22 32.5	SZ	0.4	2.5	3.0	
		eS	23 10	SR	0.4	5.2		
18	DH=	eP	18 15 46.5	SZ	0.5	13.5	1.9	
		eS	16 11	SR	0.6	51.3		
18	DH=	eP	20 26 51.5	SZ	0.2	29.8	1.5	
		eS	27 10	ST	0.3	28.6		
18	LC=	eP	20 33 56.6	SZ	0.2	105.3	1.3	
		eS	34 14	SR	0.3	36.3		
		eP	21 21 53.7	SZ	0.2	64.3		
		eS	22 10	SR	0.3	17.7		
18	RK=	eP	21 31 41.0	SZ	0.3	1.6	2.4	
		eS	32 12	SR	0.3	18.1		
18	LC=	eP	22 04 29.8	SZ	0.8	43.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	01 30 57.4		61.2 S 27.8 W SOUTH SANDWICH ISLANDS REG. H= 33 KM					
19	NP=	eP1	01 50 32.5	SZ	0.9	5.9	148.5	
19	AD=	eL	02 46 01	LZ	26	315.5	160.6	
19	NP=	eP	02 47 37.0	SZ	0.5	3.9		
19	08 22 18.*		31.3 S 68.5 W SAN JUAN PROVINCE, ARGENTINA H=128 KM MAG 4.00 CGS					
19	09 33 10.		28.2 N 52.6 E SOUTHERN IRAN H= 50 KM MAG 5.60 CGS					
19	NP=	eP	09 44 51.5	SZ	0.9	23.6	75.7	5.15
		e	47 48	SZ	1.0	16.5		
		e	54 52	SZ	1.1	9.7		
		eL	10 18 50	LZ	25	1831.2		
19	DH=	eP	09 46 27.0	SZ	1.0	18.3	94.8	5.45
		e	10 11 50	LZ	13	636.0		
		eL	17 43	LT	32	431.5		
19	RK=	eP	09 46 31.0	SZ	1.0	4.4	95.9	4.94
		e	48 35	SZ	0.9	1.7		
		e	49 53	SZ	1.0	4.4		
19	LC=	ePP	09 52 56	SZ	1.2	1.8	116.6	
		ePP	52 57	LZ	17	48.7		
		eSP	10 02 52	LZ	20	121.0		
		e	14 24	LZ	30	98.6		
		eL	23 10	LR	19	180.5		
		eL	34 36	LR	25	465.2		
		eL	34 36	LT	25			
		eL	34 36	LZ	30	635.5		
19	AD=	eSP	09 58 05	LZ	17	343.9	89.3	
		ePKKP	10 03 45	LZ	23	271.5		
		eSKKP	06 53	LZ	26	331.3		
		eL	16 35	LZ	38	1752.0		
		eL	28 05	LT	24	2769.1		
		eL	28 05	LR	21	2251.9		
		eL	28 05	LZ	22	3289.0		
19	MN=	eSP	10 02 03	LZ	16	202.9	113.2	
		ePPS	03 25	LT	23	251.7		
		e	13 30	LT	37	446.0		
		e	16 08	LT	25	257.5		
		eL	34 55	LZ	32	1194.6		
		eL	37 35	LT	25	735.7		
		eL	37 35	LR	30	609.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	37 35	LZ	27.	749.5		
19	JE-	eL	10 34 12	LZ	26	981.3	111.5	
19	HW-	eL	10 36 00	LZ	25	459.1	124.8	
							AVG.	5.18
19	RK-	e	10 11 50	LT	20.	294.6		
19	RK-	eL	10 18 50	LT	23	570.9		
19	AD-	eL	11 46 25	LZ	27	227.4		
19	AD-	eP	11 58 29.7	SZ	0.2	32.0	1.8	
		eS	58 54	SR	0.3	28.4		
19	RK-	eP	13 10 42.0	SZ	0.8	7.9		
19	14 00 38.*		6.9 S 75.5 W NORTHERN PERU H= 14 KM MAG 4.40 CGS					
19	LC-	eP	14 09 27.5	SZ	1.0	3.6	49.0	4.35
19	NP-	eP	14 13 23.5	SZ	1.0	9.9	86.8	4.95
							AVG.	4.65
19	DH-	eP	14 43 04.6	SZ	0.2	4.3	1.8	
		eS	43 28	SR	0.2	38.2		
19	DH-	eP	14 56 12.0	SZ	0.2	8.7	1.5	
		eS	56 33	SR	0.2	8.5		
19	15 20 13.9		28.2 N 52.7 E SOUTHERN IRAN H= 52 KM MAG 5.60 CGS					
19	NP-	iP	15 31 55.7C	SZ	0.7	20.6	75.7	5.20
		ePP	34 37	SZ	1.0	9.9		
		eL	56 45	LT	37	1726.7		
19	DH-	eP	15 33 32.0	SZ	0.8	5.4	94.9	5.03
19	AD-	eSP	15 44 42	LZ	16	336.5	89.3	
		ePKKP	50 57	LZ	21	259.2		
		eSKKP	54 00	LZ	24	288.6		
		eLR	16 04 18	LZ	35	1246.0		
		eL	15 35	LT	23	2460.7		
		eL	15 35	LR	21	985.2		
		eL	15 35	LZ	22	2444.1		
19	LC-	eSP	15 49 55	LZ	22	81.2	116.6	
		eL	16 15 35	LR	21	446.6		
		eL	25 43	LR	23	467.8		
		eL	25 43	LT	23			
		eL	25 43	LZ	22	157.9		
19	RK-	eL	15 59 00	LT	25	292.0	95.9	
19	JE-	eL	16 20 30	LZ	26	854.7	111.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	MN-	eL	16 22 00	LZ	34.	1044.2	113.2	
19	HW-	eL	16 26 50	LZ	28	357.5	124.8	
							AVG.	5.11
19	RK-	eP	16 11 46.0	SZ	0.3	.8	4.0	
		eS	12 35	SR	0.3	14.6		
19	AD-	eP	17 15 52.5	SZ	0.3	33.6	1.6	
		eS	16 15	SR	0.3	123.1		
19	LC-	eP	17 18 04.2	SZ	0.2	13.4	1.2	
		eS	18 21	SR	0.3	4.0		
19	AD-	eL	17 20 47	LZ	22	256.4		
19	DH-	eP	18 41 05.3	SZ	0.2	21.8	1.8	
		eS	41 29	SR	0.2	59.5		
19	NP-	eP	19 09 40.5	SZ	0.5	3.1		
19	20 17 02.5		5.7 S 152.8 E NEW BRITAIN REGION H= 55 KM MAG 4.50 CGS					
19	RK-	eP	21 47 18.0	SZ	0.2	1.0	2.2	
		eS	47 46	SR	0.2	3.9		
19	NP-	eP	22 18 13.0	SZ	1.0	6.6		
19	RK-	eP	22 24 03.0	SZ	0.7	3.3		
19	RK-	eL	22 26 42	ST	1.3	45.7		
19	DH-	eL	22 29 23	SR	0.7	4.4		
19	22 40 17.9		28.4 N 52.7 E SOUTHERN IRAN H= 58 KM					
19	NP-	eP	22 51 58.0	SZ	0.8	12.4	75.5	4.90
19	AD-	eL	23 26 58	LZ	27	211.1	89.1	
20	00 27 46.*		2.3 N 78.5 W NEAR WEST COAST OF COLOMBIA H= 33 KM MAG 4.40 CGS					
20	02 08 15.8		72.1 N 1.4 E NORWEGIAN SEA H= 33 KM MAG 5.10 CGS					
20	NP-	eP	02 14 02.5	SZ	1.8	36.6	27.7	4.81
		eS	18 55	LR	20	1040.7		
		eLR	23 15	LZ	25	3655.6		
20	LC-	eP	02 18 53.7	SZ	1.0	4.9	64.8	4.59
		eLQ	40 04	LR	23	247.0		
		eLR	45 02	LZ	21	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	RK=	eS	02 23 03	LT	19.	370.6	44.1	
		eSS	26 21	LT	19	351.1		
		eLR	30 20	LZ	36	1401.5		
20	DH=	eS	02 23 41	LT	18	341.5	46.3	
		eLQ	28 50	LR	32	629.2		
		eLR	32 48	LZ	24	500.6		
20	JE=	eLQ	02 38 52	LR	22	506.8	61.1	
		eLR	41 07	LZ	24	392.5		
20	MN=	eL	02 39 00	LT	32	353.1	62.0	
20	AD=	eLR	02 40 21	LZ	19	142.9	56.3	
							AVG.	4.70
20	AD=	iP	03 52 11.6D	SZ	0.2	192.5	.9	
		eS	52 24	SR	0.3	310.7		
20	03 56 29.2		63.9 N 20.5 W ICELAND					
			H= 33 KM MAG 4.80 CGS					
20	NP=	eP	04 02 43.5	SZ	0.5	.7	31.3	3.83
		eLQ	11 55	LR	30	7753.5		
		eLR	13 20	LR	21	11.8U		
		eL	13 53	SZ	4.5	483.3		
20	LC=	eP	04 06 33.2	SZ	0.9	6.5	59.8	4.69
		eS	14 58	LR	20	289.4		
		e	20 29	LR	30	405.2		
		eLR	28 10	LR	999	9999.9		
20	DH=	eS	04 09 42	LR	18	210.1	37.6	
		e	12 17	LZ	21	368.6		
		eLQ	13 28	LT	31	1330.9		
		eLR	15 04	LZ	28	1441.8		
20	RK=	eSS	04 12 23	LT	19	780.2	39.2	
		eLR	18 38	LZ	16	3279.6		
20	JE=	eS	04 13 38	LR	17	514.6	53.9	
		e	18 17	LR	19	766.6		
		eLQ	22 20	LR	19	2833.3		
		eLR	27 01	LZ	18	1726.7		
20	AD=	e	04 19 46	LZ	23	148.5	63.1	
		eLR	25 25	LZ	24	224.3		
20	MN=	eSSS	04 21 22	LR	30	864.0	59.4	
		eLQ	23 44	LR	40	1530.8		
		eLR	25 04	LR	29	2377.5		
							AVG.	4.26
20	04 13 48.1		4. S 151.6 E NEW IRELAND REGION					
			H=192 KM MAG 4.30 CGS					
20	04 18 01.*		4.1 N 95.4 E NORTHERN SUMATRA					
			H= 93 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	MN=	eP	04 37 02.0	SZ	1.2	4.3	127.5	
20	05 08 50.3		28.1 N 52.6 E SOUTHERN IRAN					
			H= 47 KM MAG 5.10 CGS					
20	NP=	eP	05 20 32.8	SZ	1.0	29.7	75.8	5.22
		ePP	23 22	SZ	1.0	8.2		
20	AD=	eLR	05 54 00	LZ	32	339.1	89.4	
		eLR	54 00	LZ	36	323.4		
20	JE=	eLR	06 10 10	LZ	25	232.6	111.6	
20	LC=	eLR	06 13 50	LZ	29	128.0	116.7	
20	05 39 47.7		28.2 N 52.6 E SOUTHERN IRAN					
			H= 52 KM MAG 5.50 CGS					
20	NP=	iP	05 51 29.1C	SZ	1.2	74.5	75.7	5.52
		ePP	54 19	SZ	1.2	11.3		
20	AD=	eLR	06 23 13	LZ	38	584.3	89.3	
		eL	34 42	LT	24	1128.5		
		eL	34 42	LR	22	374.8		
		eL	34 42	LZ	23	1025.1		
20	RK=	eLR	06 30 22	LZ	27	308.6	95.9	
20	JE=	eLR	06 40 55	LZ	28	326.0	111.5	
20	MN=	eLR	06 42 38	LZ	32	509.6	113.2	
20	LC=	eLR	06 44 41	LZ	28	153.8	116.6	
20	07 25 09.3		18. N 98.4 W CENTRAL MEXICO					
			H= 60 KM MAG 4.40 CGS					
20	JE=	eP	07 28 38.8	SZ	0.6	30.0	14.9	4.83
		ePP	28 51	SZ	0.6	27.6		
20	LC=	eP	07 28 54.2	SZ	0.9	5.6	16.1	3.76
		eLQ	34 03	LR	18	194.6		
		eL	34 07	SZ	3.0	102.6		
		eLR	35 30	LZ	19	315.4		
20	MN=	eP	07 30 44.5	SZ	0.9	9.6	26.7	4.40
		e	31 05	SZ	0.8	7.3		
		eL	38 08	LT	33	273.6		
20	NP=	eP	07 35 05.0	SZ	0.5	2.3	59.3	4.49
20	AD=	eLR	08 00 40	LZ	21	165.2	68.8	
							AVG.	4.37
20	AD=	eP	08 13 05.5	SZ	0.2	19.2	1.5	
		eS	13 27	ST	0.3	29.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20			08 26 52.*	11.7 N 87.2 W NEAR COAST OF NICARAGUA				
			H= 25 KM MAG 4.30 CGS					
20			08 32 43.1	29.7 S 177.9 W KERMADEC ISLANDS REGION				
			H= 80 KM MAG 4.40 CGS					
20			08 37 47.1	14.9 N 60.4 W WINDWARD ISLANDS				
			H= 65 KM MAG 5.50 CGS					
20	JE-	eP	08 44 22.2	SZ	0.6	97.4	33.4	5.85
		ePCP	47 02	SZ	0.9	22.4		
20	RK-	eP	08 45 56.0	SZ	0.5	16.0	44.8	5.06
20	LC-	iP	08 46 01.4C	SZ	0.8	9999.9	45.4	
		eS	52 27	SR	1.1	4.6		
		eLQ	09 01 05	LR	20	216.3		
		eLR	03 11	LZ	28	107.6		
20	MN-	iP	08 47 19.3C	SZ	999.9	9999.9	55.7	
		eL	09 05 13	LR	24	369.0		
20	NP-	eP	08 48 44.8	SZ	0.7	14.1	68.5	5.04
							AVG.	5.31
20			09 12 54.*	11. N 87.5 W NEAR COAST OF NICARAGUA				
			H= 33 KM MAG 4.20 CGS					
20	MN-	eP	09 28 29.4	SZ	999.9	9999.9	.9	
		eS	28 42	SR	0.3	8.7		
20			10 31 05.7	72.1 N 1.2 E NORWEGIAN SEA				
			H= 33 KM MAG 4.40 CGS					
20	LC-	eLR	11 08 04	LZ	21.	65.0	64.7	
20			12 48 47.7	37.4 S 78.3 E MID INDIAN RISE				
			H= 33 KM					
20	LC-	eSS	13 35 45	LR	27.	261.6	173.6	
		e	43 06	LR	24	161.3		
		eLR	14 11 17	LZ	26	317.3		
20	AD-	eLR	13 50 27	LZ	25	212.7	127.0	
20	HW-	eLR	13 51 36	LZ	32	939.7	130.2	
20	DH-	eLR	14 05 32	LZ	30	974.1	158.9	
20	MN-	eLQ	14 07 01	LZ	38	501.2	167.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	12 20	LZ	23.	838.8		
20			14 03 34.4	61.4 N 147.5 W SOUTHERN ALASKA				
			H= 35 KM MAG 4.30 CGS					
20	RK-	eLR	14 16 46	LZ	24.	952.4	30.9	
20	JE-	eL	14 10 05	LZ	32.	698.0		
20	AD-	eL	14 44 00	LZ	26	248.6		
20			15 11 53.*	8 S 132.6 E WEST NEW GUINEA REGION				
			H= 33 KM					
20			16 17 48.2	60.3 S 27.1 W SOUTH SANDWICH ISLANDS REG.				
			H= 33 KM					
20			16 29 58.5	72.3 N 1.7 E NORWEGIAN SEA				
			H= 33 KM MAG 5.10 CGS					
20	LC-	eP	16 40 31.3	SZ	0.9	2.8	64.8	4.40
		eLQ	17 03 20	LR	20	206.7		
		eLR	06 42	LZ	22	213.3		
20	NP-	eL	16 45 20	LR	24	1353.5	27.5	
20	JE-	eLR	17 03 00	LZ	26	271.8	61.2	
20	MN-	eLR	17 03 44	LZ	30	261.9	62.0	
20			17 30 42.3	3. N 128.3 E HALMAHERA				
			H=178 KM MAG 4.80 CGS					
20	MN-	eP	17 32 54.5	SZ	999.9	9999.9	1.0	
		eS	33 08	SR	0.4	11.5		
20	LC-	eP	20 31 22.7	SZ	0.3	9999.9	1.4	
		eS	31 42	SR	0.4	21.6		
20			22 54 48.*	28.7 N 52.9 E SOUTHERN IRAN				
			H= 80 KM					
21	NP-	eL	02 03 25	LR	38.	2381.1		
21			02 09 41.5	23. S 69.0 W NORTHERN CHILE				
			H=112 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	AD-	eP	03 09 00.3	SZ	0.3	38.5	1.7	
		eS	09 24	SR	0.4	152.2		
21	AD-	eL	03 12 35	LT	20	216.3		
21	03 29 19.*		13.9 N 93.0 W OFF COAST CHIAPAS, MEXICO					
			H= 33 KM MAG 4.40 CGS					
21	06 24 16.*		55. N 158.2 W ALASKA PENINSULA					
			H= 33 KM MAG 4.40 CGS					
21	AD-	eLR	06 29 38	LZ	18	166.6	11.5	
21	AD-	eP	07 24 10.0	SZ	0.3	14.4	3.0	
		eS	24 48	SR	0.4	35.8		
21	07 59 17.		28.3 N 52.5 E SOUTHERN IRAN					
			H= 54 KM MAG 4.90 CGS					
21	AD-	e	08 35 46	LZ	19.	127.0	89.3	
		eLR	43 32	LZ	40	589.4		
		eL	54 13	LT	24	791.4		
		eL	54 13	LR	22	342.6		
		eL	54 13	LZ	22	817.1		
21	LC-	eLQ	08 46 40	LR	17	86.9	116.4	
		eLR	54 00	LR	16	219.4		
21	DH-	eL	08 46 55	LR	30	364.1	94.7	
21	JE-	eLR	09 00 20	LZ	25	301.1	111.4	
21	MN-	eLR	09 01 00	LZ	32	337.6	113.0	
21	HW-	eLR	09 03 20	LZ	30	213.8	124.8	
21	NP-	eP	09 10 07.3	SZ	0.5	8.5		
21	AD-	eP	09 18 15.8	SZ	0.3	9.6	1.9	
		eS	18 41	SR	0.5	98.0		
21	10 13 33.4		19.6 S 66.1 W SOUTHERN BOLIVIA					
			H=199 KM MAG 4.70 CGS					
21	10 18 32.*		17.1 N 95.2 W OAXACA, MEXICO					
			H= 33 KM MAG 3.70 CGS					
21	AD-	eL	10 19 50	LZ	22.	104.0		
21	AD-	eP	13 27 16.2	SZ	0.2	141.1	1.2	
		eS	27 31	SR	0.3	301.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	AD-	eP	16 41 17.7	SZ	0.3	4.8	4.4	
		eS	42 10	ST	0.7	13.5		
21	16 49 12.9		40.1 N 40.9 E TURKEY					
			H= 44 KM MAG 4.60 CGS					
21	LC-	eLR	17 41 30	LZ	18	60.7	101.8	
21	DH-	eP	16 59 20.8	SZ	0.3	9.7	2.0	
		eS	59 46	SR	0.5	50.5		
21	LC-	e	19 11 53	LZ	20	144.3		
21	LC-	e	19 16 50	LZ	23	180.4		
21	DH-	eP	19 22 56.0	SZ	0.4	9.3	1.4	
		eS	23 15	SR	0.4	40.0		
21	LC-	eP	19 35 43.8	SZ	0.5	5.4	3.0	
		eS	36 20	ST	0.5	7.3		
21	19 41 38.*		30.6 N 113.8 W GULF OF CALIFORNIA					
			H= 15 KM MAG 4.70 CGS					
21	LC-	eP	19 43 14.0	SZ	0.5	8.1	6.4	4.81
		eL	44 59	SR	0.6	10.5		
		eLR	45 15	LZ	18	657.7		
21	JE-	eLR	19 53 50	LZ	15	483.5	18.7	
21	DH-	eP	19 45 14.2	SZ	0.4	12.4	.1	
		eS	45 17	SR	0.4	36.9		
21	AD-	eP	19 49 11.8	SZ	0.2	38.5	1.9	
		eS	49 37.0	SR	0.3	245.8		
21	LC-	eL	19 55 40	LZ	24	236.2		
21	MN-	eP	20 00 15.3	SZ	1.5	2237.8		
21	DH-	eP	20 01 55	LZ	14	297.2		
21	JE-	eL	20 06 00	LZ	23	948.4		
21	DH-	e	20 10 48	LT	15	298.6		
21	DH-	e	20 14 45	LR	15	1662.6		
21	AD-	e	20 14 58	LZ	18	99.9		
21	AD-	eL	20 18 10	LZ	18	183.2		
21	LC-	eP	20 48 04.0	SZ	0.3	27.4	1.3	
		eS	48 22	ST	0.4	30.4		
21	NP-	eL	21 13 20	LR	28	1181.4		
21	AD-	eP	21 38 24.3	SZ	0.3	33.6	1.3	
		eS	38 40	SR	0.4	103.0		
21	22 03 51.6		37. N 115.1 W SOUTHERN NEVADA					
			H= 33 KM MAG 3.80 CGS					
21	AD-	eP	22 36 02.0	SZ	0.3	9.6	1.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	36 26	SR	0.4	103.0		
21	AD-	eP	23 10 59.4	SZ	0.2	166.8	1.6	
		eS	11 20	SR	0.3	269.0		
21	AD-	eL	23 11 30	LZ	17	232.8		
21	23 49 13.6		18.7 S 169.1 E NEW HEBRIDES ISLANDS H= 81 KM					
21	DH-	eL	23 51 55	LT	27.	163.1		
21	23 58 56.6		12.2 S 110.5 E NORTHWEST OF AUSTRALIA H= 35 KM MAG 5.30 CGS					
22	AD-	eSP	00 23 58	LZ	12.	273.7	89.2	
		eLR	41 51	LZ	28	414.5		
22	AD-	eP	01 25 05.6	SZ	0.2	62.4	1.5	
		eS	25 25	SR	0.3	278.5		
22	HW-	eLQ	02 19 50	LT	20	1207.2		
22	HW-	eLR	02 21 15	LR	23	2745.5		
22	01 07 51.*		1.5 N 126.2 E MOLUCCA PASSAGE H= 33 KM					
22	03 03 20.7		31.5 N 114.3 W GULF OF CALIFORNIA H= 15 KM MAG 5.37 CGS					
22	RK-	eP	03 08 41.5	SZ	0.8	18.3	24.6	4.75
		epP	08 50	SZ	0.8	43.2		
		eS	13 08	LT	18	686.1		
		eLQ	16 15	LT	25	9999.9		
		eL	16 25	ST	2.0	85.6		
		eLR	18 10	LZ	20	1062.7		
22	NP-	eP	03 11 37.5	SZ	0.9	21.7	44.9	5.04
		eLQ	25 30	LT	35	634.4		
		eLR	27 35	LT	22	1517.9		
		eL	27 56	SZ	2.0	46.3		
22	AD-	eP	03 12 09.0	SZ	0.8	31.0	49.2	5.36
		eP	12 10	LZ	12	273.7		
		eLQ	24 30	LT	25	580.2		
		eLR	26 18	LZ	27	844.7		
							AVG.	5.05
22	03 28 12.*		4.2 511.0 WYOMING H=450 KM MAG C.GS CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	RK-	eP	03 30 50.0	SZ	0.3	1.5	10.9	4.62
		e	32 43	ST	0.5	8.6		
		e	33 53	ST	0.7	28.3		
22	05 26 05.*		31.4 N 114.4 W GULF OF CALIFORNIA H= 33 KM MAG 4.40 CGS					
22	LC-	eP	05 27 39.0	SZ	0.6	7.0	6.7	4.63
		eP	27 40	LZ	25	101.5		
		e	28 16	SZ	1.4	51.5		
		eL	29 35	LZ	25	9999.9		
		eL	29 37	SR	0.8	41.1		
22	MN-	eL	05 29 45	LT	16	1073.4	7.7	
22	JE-	eLR	05 37 30	LZ	18	458.3	19.1	
22	05 42 39.*		34.9 S 15.1 W TRISTAN DA CUNHA REGION H= 33 KM					
22	LC-	eSS	06 16 45	LR	21.	334.7	108.8	
		eLQ	34 35	LR	40	217.3		
		eLR	43 40	LR	22	198.7		
		eL	46 05	LR	21	440.0		
		eL	46 05	LZ	21	396.8		
22	JE-	eLR	06 31 15	LZ	33	669.2	98.1	
22	MN-	eL	06 43 45	LZ	30	258.2	119.9	
22	AD-	eLR	06 58 08	LZ	27	177.8	158.5	
22	07 34 17.*		32. N 113.8 W GULF OF CALIFORNIA H= 15 KM MAG 4.60 CGS					
22	LC-	eP	07 35 44.5	SZ	0.6	7.0	6.1	4.60
		e	36 04	SZ	0.6	11.0		
		e	36 22	SZ	1.0	21.6		
		eL	37 35	LR	17	9999.9		
		eL	37 41	ST	1.1	46.4		
22	JE-	eLR	07 46 25	LZ	15	464.8	18.5	
22	AD-	eP	07 34 46.3	SZ	0.2	18.7	.7	
		eS	34 56	SR	0.3	228.3		
22	MN-	eL	07 47 50	LT	15	894.0		
22	12 41 22.1		10.5 S 161.6 E SOLOMON ISLANDS H= 50 KM MAG 5.00 CGS					
22	AD-	eP	15 55 10.9	SZ	999.9	9999.9		
22	LC-	eLQ	16 56 45	LR	19	116.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	LC-	eLR	16 58 30	LR	19.	202.2		
22	17 04 31.2		51.9 N 30.0 W NORTH ATLANTIC RIDGE					
			H= 33 KM MAG 4.90 CGS					
22	LC-	eP	17 14 17.5	SZ	1.0	7.2	57.3	4.66
		eLQ	32 30	LR	24	90.5		
		eLR	37 30	LZ	20	279.4		
22	DH-	eLR	17 20 35	LZ	25	251.0	31.6	
22	JE-	eLQ	17 30 50	LR	20	684.1	48.8	
		eLR	32 15	LZ	22	786.0		
22	DH-	eP	17 34 46.0	SZ	0.5	17.6	1.8	
		eS	35 10	SR	0.5	39.7		
22	DH-	eL	17 40 00	LZ	30	893.9		
22	RK-	eL	17 42 30	LZ	30	861.1		
22	LC-	e	17 42 40	LR	17	255.4		
22	MN-	e	17 47 10	LZ	30	211.3		
22	JE-	eLQ	17 49 15	LZ	35	349.5		
22	LC-	eLQ	17 51 35	LZ	22	144.3		
22	MN-	eL	17 52 05	LT	28	277.6		
22	JE-	eLR	17 52 10	LZ	19	1075.2		
22	LC-	eLR	17 55 20	LZ	21	519.9		
22	RK-	eL	19 31 15	LZ	23	366.0		
22	JE-	eL	19 38 50	LZ	20	259.6		
22	LC-	eLQ	19 40 10	LR	21	76.5		
22	LC-	eLR	19 43 20	LZ	23	180.4		
22	MN-	eL	19 43 40	LT	25	200.1		
22	LC-	eP	19 56 46.0	SZ	0.2	26.3	1.4	
		eS	57 05	ST	999.9	9999.9		
22	20 07 51.7		10.1 S 161.7 E SOLOMON ISLANDS					
			H= 71 KM MAG 4.60 CGS					
22	LC-	eP	20 39 19.5	SZ	0.3	2.5	2.9	
		eS	39 58	ST	0.5	6.2		
22	LC-	eP	21 17 38.0	SZ	0.2	9.1	1.4	
		eS	17 58	ST	0.3	5.0		
22	LC-	eP	21 20 02.0	SZ	0.6	4.0	5.7	
22	LC-	e	21 22 03	LR	15	243.4		
22	LC-	eL	21 22 10	ST	0.8	6.9	5.7	
22	AD-	eL	21 43 08	LZ	17	99.1		
22	LC-	eL	21 54 05	LR	19	96.0		
22	LC-	eL	21 56 50	LZ	20	88.4		
23	02 56 13.3		59.4 N 30.3 W NORTH ATLANTIC OCEAN					
			H= 33 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	MN-	eP	03 06 05.1	SZ	1.0	1.6	56.8	4.02
23	AD-	eLR	03 32 03	LZ	22	104.1	65.8	
23	NP-	eL	03 27 00	LR	27.	1639.5		
23	04 47 46.4		59.4 N 30.2 W NORTH ATLANTIC OCEAN					
			H= 33 KM MAG 4.80 CGS					
23	RK-	eLR	05 05 27	LZ	32	583.7	36.0	
23	JE-	eLR	05 11 40	LZ	34	231.3	49.0	
23	LC-	eLQ	05 16 20	LR	20	200.2	55.9	
		eLR	19 24	LZ	22	415.1		
23	AD-	eLR	05 21 01	LZ	25	149.1	65.8	
23	MN-	eL	05 15 05	LZ	36.	409.5		
23	LC-	eL	06 55 26	LZ	31	120.7		
23	09 35 25.		4.5 S 138.4 E WEST NEW GUINEA					
			H=163 KM MAG 5.00 CGS					
23	09 54 40.*		33.1 N 142.1 E OFF EAST COAST HONSHU, JAPAN					
			H= 33 KM MAG 4.10 CGS					
23	10 30 28.*		30.8 S 71.9 W NEAR COAST OF CENTRAL CHILE					
			H= 76 KM MAG 4.20 CGS					
23	AD-	eLR	11 35 40	LZ	28.	348.3	122.4	
23	MN-	eP	11 23 05.2	SZ	0.9	3.3		
23	HW-	eL	11 34 46	LZ	33	510.6		
23	MN-	eL	11 50 46	LZ	27	263.3		
23	MN-	eP	11 52 38.5	SZ	1.0	1.6		
23	RK-	eL	12 00 26	LZ	27	147.7		
23	AD-	eP	12 21 20.4	SZ	999.9	9999.9		
23	12 23 37.9		6.9 N 73.0 W NORTHERN COLOMBIA					
			H=161 KM MAG 4.20 CGS					
23	DH-	eP	12 30 20.5	SZ	0.8	10.9	35.2	4.65
23	LC-	eP	12 31 01.4	SZ	0.9	28.9	40.3	4.93
23	RK-	eP	12 31 55.0	SZ	0.4	11.0	47.1	4.80
							AVG.	4.79

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23		13 26 25.4	21.6 S 69.6 W NORTHERN CHILE H= 71 KM MAG 4.20 CGS					
23	MN-	eP	14 17 03.5	SZ	0.4	.5	3.4	
		eS	17 45	ST	0.8	9		
23		15 24 05.3	6.1 S 149.4 E NEW BRITAIN REGION H= 63 KM MAG 4.90 CGS					
23	HW-	eP	15 34 07	LZ	23.	2174.2	59.9	
		ePP	36 17	LZ	23	974.6		
		eSP	42 30	LZ	22	2549.1		
		e	46 57	LZ	27	1937.2		
		eLQ	49 16	LT	37	8342.3		
		eLR	51 48	LZ	34	9999.9		
23	AD-	eP	15 34 33.9	SZ	1.0	31.5	64.6	5.31
		eP	34 34	LZ	20	1956.1		
		eS	43 00	LT	28	6092.6		
		eS	43 00	LR	28	5061.4		
		e	47 30	LZ	31	2972.8		
		eSSS	50 18	LT	28	5148.7		
		eLR	53 25	LZ	999	9999.9		
23	MN-	eP	15 37 25.2	SZ	1.2	7.6	95.7	5.08
		eP	37 26	LZ	24	776.7		
		ePP	41 19	LZ	26	531.3		
		ePS	50 20	LR	25	2289.2		
		eSS	55 22	LR	25	2464.7		
		eSSS	59 13	LT	26	1188.0		
		eLQ	16 03 46	LT	41	4091.5		
		eLR	08 20	LZ	999	9999.9		
23	NP-	eP	15 37 27.4	SZ	1.0	3.3	96.2	4.84
		eP	37 40	LZ	23	758.0		
		e	43 17	LT	20	1026.5		
		ePS	50 22	LT	25	3052.0		
		eSS	55 30	LT	30	4709.5		
		e	16 04 22	LR	27	6558.2		
		e	09 33	LZ	30	4076.2		
		eLR	13 24	LZ	26	2967.4		
23	LC-	eP	15 38 11	LZ	24	408.8	105.1	
		ePP	42 28	LZ	25	526.1		
		eSKKS	49 10	LR	17	596.1		
		ePS	51 46	LR	999	9999.9		
		ePPS	52 46	LR	26	9999.9		
		ePKKP	54 08	SZ	0.9	3.8		
		e	58 28	LR	31	826.1		
		eP'P'	16 02 02	LR	999	9999.9		
		eLQ	07 52	LR	37	9999.9		
		eLR	12 15	LZ	999	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	RK-	ePD	15 38 41	LZ	21.	342.2	111.5	
		ePP	43 12	LZ	14	1173.7		
		ePS	52 45	LT	31	2319.8		
		eSPP	53 51	LZ	24	2036.4		
		eSS	58 49	LT	31	9999.9		
		eSSS	16 03 11	LT	33	2999.5		
		eLQ	11 11	LT	41	5473.1		
		eLR	16 22	LZ	30	4472.5		
23	JE-	ePD	15 39 13	LZ	23	246.7	117.4	
		ePP	43 58	LZ	23	771.0		
		eSKKS	51 08	LR	17	1770.1		
		eSP	53 46	LZ	22	2405.8		
		e	16 08 23	LZ	31	1666.7		
		e	12 07	LZ	23	1357.1		
		eLR	19 05	LZ	29	4259.9		
23	DH-	ePP	15 44 59	LZ	24	772.9	126.8	
		eSPP	56 48	LZ	25	1174.5		
		e	59 54	LZ	18	636.2		
		e	16 02 53	LT	27	1194.3		
		e	10 44	LT	24	1196.7		
		e	16 41	LZ	27	1940.5		
		eLQ	17 47	LT	43	7065.6		
		eLR	23 48	LZ	39	6735.7		
							AVG.	5.07
23	MN-	eP	15 49 01.0	SZ	0.4	2.9	3.4	
		eS	49 43	ST	0.7	4.5		
23		17 32 56.*	10.2 N 102.7 W OFF COAST OF MEXICO H= 33 KM MAG 4.30 CGS					
23	AD-	eLR	17 55 24	LZ	25.	383.4		
23	MN-	eP	20 23 36.8	SZ	0.3	.2	2.4	
		eS	24 08	SR	0.3	19.9		
23		22 03 26.5	15.6 N 93.9 W NEAR COAST CHIAPAS, MEXICO H=144 KM MAG 3.60 CGS					
23	LC-	eP	22 07 51.3	SZ	0.5	4.3	20.3	4.13
23	AD-	eP	23 34 38.7	SZ	0.3	56.2	1.5	
		eS	34 58	SR	0.4	206.6		
23	AD-	eL	23 35 00	LT	16	1110.5		
23	DH-	eP	23 44 34.5	SZ	0.5	8.3		
24	AD-	eP	00 11 15.6	SZ	0.4	7.1	4.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	AD-	eL	00 11 32	LZ	15.	210.1		
24	AD-	eL	00 12 11	ST	0.5	29.0	4.5	
24	01 36 24.*		61.2 N 146.8 W SOUTHERN ALASKA H= 47 KM MAG 4.00 CGS					
24	01 51 03.3		38.8 N 112.3 W UTAH H= 33 KM					
24	01 55 38.*		39.1 N 112.2 W UTAH H= 33 KM					
24	02 01 33.8		20. S 175.7 W TONGA ISLANDS H=152 KM MAG 4.50 CGS					
24	MN-	eP	02 13 24.0	SZ	0.6	5.2	79.3	4.49
24	MN-	eP	02 28 27.2	SZ	0.5	8.1		
24	05 48 13.*		60. N 147.3 W SOUTHERN ALASKA H= 33 KM MAG 3.80 CGS					
24	AD-	eL	05 59 21	LZ	17	121.8	18.2	
24	06 54 26.4		51.9 N 161.8 E OFF EAST COAST OF KAMCHATKA H= 33 KM MAG 4.80 CGS					
24	AD-	eL	07 00 32	LT	19	424.5	13.3	
24	MN-	eP	07 03 59.0	SZ	0.6	3.1	55.3	4.52
24	LC-	eP	07 05 13.2	SZ	1.0	7.5	66.2	4.78
							AVG.	4.65
24	NP-	eP	07 01 41.3	SZ	1.2	12.8		
24	MN-	eP	07 50 55.2	SZ	0.3	9999.9		
24	08 31 05.8		18.4 N 68.8 W MONA PASSAGE H=179 KM MAG 4.60 CGS					
24	LC-	eP	08 37 57.2	SZ	0.8	14.7	36.7	4.73
24	MN-	eP	08 39 22.5	SZ	0.6	10.8	47.2	4.54
24	NP-	eP	08 41 17.0	SZ	0.5	6.2	63.3	4.64
							AVG.	4.63

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MN-	eP	09 20 57.5	SZ	0.3	6.2	.9	
		eS	21 10	SR	0.4	9999.9		
24	AD-	eP	09 34 34.7	SZ	0.3	89.2	1.9	
		eS	35 00	SR	0.3	100.6		
24	10 18 58.5		45. N 111.4 W MONTANA H= 33 KM MAG 4.30 CGS					
24	10 37 23.4		1.5 S 78.1 W ECUADOR H=173 KM MAG 5.10 CGS					
24	LC-	eP	10 45 10.2	SZ	0.8	26.6	43.2	4.86
		eP	45 25	LZ	20	44.0		
		eS	51 30	LR	17	645.7		
		eLQ	55 05	LZ	22	94.8		
		eLR	11 02 20	LZ	20	107.6		
24	DH-	eP	10 45 13.2	SZ	0.7	85.3	43.6	5.40
24	RK-	eP	10 46 28.3	SZ	0.6	50.8	53.8	5.44
24	MN-	eP	10 46 34.5	SZ	1.0	20.0	54.2	4.81
24	NP-	eP	10 49 20.5	SZ	0.5	23.1	81.1	5.19
		e	50 01	SZ	1.0	16.8		
							AVG.	5.14
24	LC-	eP	12 23 21.5	SZ	0.4	.8	1.6	
		eS	23 43	SR	0.5	4.5		
24	16 42 22.*		2. N 79.1 W NEAR COAST OF ECUADOR H= 98 KM MAG 4.70 CGS					
24	DH-	eP	16 43 51.6	SZ	0.3	7.7	27.0	
		eS	44 17	SR	0.4	8.6		
24	17 26 15.1		2 N 123.8 E NORTHERN CELEBES H=127 KM MAG 5.40 CGS					
24	AD-	eP	17 37 26.0	SZ	0.9	32.0	71.5	5.12
24	NP-	eP	17 39 30.0	SZ	0.8	19.7	96.0	5.64
24	LC-	eP'	17 44 59.5	SZ	1.0	30.0	122.5	
							AVG.	5.38
24	LC-	eP	17 48 31.8	SZ	0.3	2.6	2.9	
		eS	49 08	ST	0.3	3.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	LC-	eP	19 08 39.0	SZ	0.3	1.7	.5	
		eS	08 47.0	SR	0.5	16.4		
24	19 53 59.7		12.9 N 120.3 E MINDORO, PHILIPPINE ISLANDS					
			H= 33 KM MAG 5.00 CGS					
24	21 24 48.		86.9 N 52.0 E NORTH OF FRANZ JOSEF LAND					
			H= 11 KM MAG 4.60 CGS					
24	NP-	eP	21 28 44.8	SZ	0.5	9999.9	16.9	
		ePPP	29 13	SZ	0.8	18.3		
24	RK-	eL	21 45 20	LZ	45	388.1	42.0	
24	MN-	eL	21 52 05	LZ	45	445.5	54.8	
24	LC-	eLQ	21 53 55	LZ	45	307.4	60.7	
		eLR	57 40	LZ	32	343.7		
24	JE-	eL	21 55 05	LZ	35	299.6	60.9	
24	21 56 54.2		58.4 N 150.3 W GULF OF ALASKA					
			H= 22 KM MAG 5.80 CGS					
24	AD-	eP	22 00 40.7	SZ	0.4	10.7	16.4	4.35
		eL	03 42	ST	0.6	18.3		
24	NP-	eP	22 01 39.6	SZ	0.5	9999.9	21.0	
		eP	01 43	LZ	20	1312.2		
		ePPP	02 16	SZ	0.6	9999.9		
		e	03 08	SZ	1.0	56.1		
		e	04 08	SZ	1.1	26.4		
		ePCP	05 35	LZ	15	8614.2		
		ePCP	05 41	SZ	1.6	60.7		
		eL	07 06	SZ	2.5	214.9		
		eL	10 09	LZ	13	10.0U		
24	MN-	eP	22 02 52.6	SZ	1.0	40.8	28.8	5.17
		eP	02 55	LZ	23	274.8		
		eS	07 45	LR	23	580.1		
		eL	11 40	LR	22	9999.9		
24	RK-	eP	22 03 27.0	SZ	0.7	69.4	32.7	5.67
		e	03 33	SZ	0.9	69.3		
		ePCP	06 11	SZ	0.6	7.5		
		eL	14 30	SZ	3.5	219.2		
24	LC-	eP	22 04 24.1	SZ	0.8	22.1	39.2	4.90
		eP	04 25	LZ	20	225.0		
							AVG.	5.02
24	AD-	eP	22 00 42	LZ	16.	852.5	16.4	
		eL	04 00	LT	14	2717.3		
24	HW-	eL	22 09 40	LZ	23	382.2		
24	DH-	eL	22 12 38	LT	20	450.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MN-	eP	22 20 25.7	SZ	0.3	8.9	1.4	
		eS	20 44	SR	0.5	9999.9		
24	LC-	eP	23 21 52.2	SZ	0.2	28.5	1.4	
		eS	22 11	ST	0.5	15.8		
24	AD-	eP	23 55 16.7	SZ	999.9	9999.9	.6	
		eS	55 26	SR	0.3	305.4		
25	MN-	eP	01 23 40.5	SZ	0.6	1.3		
25	02 56 17.*		7. S 129.4 E BANDA SEA					
			H=143 KM MAG 5.00 CGS					
25	MN-	eP	03 01 07.5	SZ	0.3	9999.9	.2	
		eS	01 12	ST	0.3	3.9		
25	MN-	eP	03 39 16.0	SZ	0.5	1.2	1.4	
		eS	39 35	SR	0.4	6.2		
25	04 55 14.*		24.4 S 68.6 W CHILE ARGENTINA BORDER REG.					
			H=123 KM MAG 4.00 CGS					
25	05 03 18.*		12.1 N 87.7 W NEAR COAST OF NICARAGUA					
			H= 72 KM MAG 4.00 CGS					
25	05 46 12.1		5.4 S 147.1 E EAST NEW GUINEA REGION					
			H=203 KM MAG 5.00 CGS					
25	07 08 11.1		35.4 N 28.6 E EASTERN MEDITERRANEAN SEA					
			H= 11 KM MAG 4.60 CGS					
25	07 45 47.1		37.6 S 73.7 W NEAR COAST OF CENTRAL CHILE					
			H= 24 KM MAG 4.50 CGS					
25	LC-	eL	08 24 40	LZ	23.	64.3	76.1	
25	08 05 01.6		35.6 N 29.1 E EASTERN MEDITERRANEAN SEA					
			H= 45 KM MAG 4.60 CGS					
25	MN-	eP	08 13 50.0	SZ	999.9	9999.9		
25	MN-	iP	10 03 35.3D	SZ	0.6	1.3		
25	AD-	eP	11 00 00.6	SZ	0.2	53.3	.5	
		eS	00 08	SR	0.3	138.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	11	11 53.6	36.1 N 28.7 E DODECANESE ISLANDS					
			H= 50 KM MAG 4.90 CGS					
25	NP-	eP	11 22 37.0	SZ	0.5	2.5	66.1	4.57
		eL	51 30	LZ	20	1093.5		
25	RK-	eP	11 23 56.5	SZ	0.9	5.2	79.7	4.43
		eL	53 40	LT	25	1013.0		
25	DH-	eL	11 48 25	LR	25	320.9	75.4	
25	JE-	eL	11 50 55	LR	32	1298.0	92.6	
25	MN-	eLQ	11 57 30	LR	40	569.0	99.8	
		eLR	12 04 40	LR	22	721.3		
25	AD-	eL	11 58 10	LZ	32	354.4	89.6	
25	LC-	eL	12 04 40	LZ	25	188.1	100.0	
							AVG.	4.50
25	11	42 59.9	35.4 N 28.9 E EASTERN MEDITERRANEAN SEA					
			H= 43 KM MAG 4.50 CGS					
25	AD-	eL	13 35 17	LZ	23.	162.4		
25	13	47 20.6	78.2 N 126.6 E EAST OF SEVERNAYA ZEMLYA					
			H= 50 KM MAG 6.38 CGS					
25	NP-	eP	13 52 06.5	SZ	999.9	9999.9	21.5	
		eP	52 10	LZ	19	9999.9		
		e	55 03	SZ	2.0	779.2		
		e	55 39	SZ	2.2	847.0		
		eS	55 50	LR	999	9999.9		
		eS	56 05	ST	0.7	40.9		
		e	56 25	SZ	0.6	105.8		
		e	56 40	SZ	6.0	31.2U		
		eL	14 00 10	SZ	18.0	254.0U		
25	AD-	eP	13 53 51.8	SZ	1.3	431.1	33.1	6.17
		eP	53 52	LZ	999	9999.9		
		e	54 03	SZ	1.4	1147.7		
		e	59 00	LZ	999	9999.9		
25	RK-	eP	13 56 01.5	SZ	0.8	91.0	48.9	5.81
		eP	56 04	LZ	19	9999.9		
		ePCP	57 30	SZ	1.5	206.2		
		ePCP	57 30	LZ	10	9999.9		
		ePP	58 00	SZ	2.1	762.0		
		e	58 08	SZ	1.0	212.6		
		ePCS	14 01 21	ST	3.5	1439.4		
		eS	03 05	LR	999	9999.9		
		eS	03 06	ST	3.0	1250.7		
		eSS	06 35	ST	3.0	893.3		
		eL	15 30	ST	19.0	35.5U		
25	MN-	eP	13 57 07.5	SZ	1.5	122.5	57.5	5.71

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	57 09	LZ	12.	9999.9		
		ePP	59 16	SZ	3.1	1264.7		
		ePP	59 25	LZ	20	9999.9		
		e	59 46	SR	3.2	1034.9		
		e	59 51	SZ	1.4	89.2		
		ePPP	14 00 42	SZ	3.4	1145.7		
		e	04 10	LR	15	1872.2		
		eS	05 05	LR	999	9999.9		
		ePS	05 14	SR	4.5	2760.0		
		e	07 15	SZ	4.5	932.2		
		e	10 39	ST	4.0	516.3		
		eL	19 57	SR	20.0	22.8U		
		ePsPs	27 05	SZ	3.5	757.0		
		e	34 20	SZ	0.8	1.9		
25	DH-	eP	13 57 18.5	SZ	2.0	886.1	59.1	6.45
		eP	57 20	LZ	20	4742.7		
		ePP	59 40	LZ	21	2603.8		
		eS	14 05 25	LT	999	9999.9		
		ePS	05 42	ST	3.5	1156.6		
		eSS	09 10	LT	999	9999.9		
		e	11 13	LR	999	9999.9		
		eL	23 40	SZ	15.0	35.2U		
		ePsPs	26 52	SZ	1.5	83.3		
25	LC-	eP	13 57 59.0	SZ	1.0	48.6	65.3	5.54
		eP	58 00	LZ	999	9999.9		
		ePP	14 00 30	LZ	999	9999.9		
		ePP	00 35	SZ	2.0	311.7		
		ePPP	02 00	LZ	999	9999.9		
		eSCP	02 23	SZ	2.2	210.4		
		eSP	06 45	LZ	999	9999.9		
		e	06 48	ST	5.0	1368.1		
		eL	22 30	SR	19.0	17.4U		
		ePsPs	26 38	SZ	3.5	525.8		
25	JE-	eP	13 58 16	LZ	20	9999.9	67.9	
		eP	58 16	SZ	3.0	3447.1		6.87
		e	14 00 53	ST	1.5	336.1		
		ePP	01 00	LZ	20	1986.4		
		eSCP	02 35	LZ	21	4675.0		
		eS	07 20	LR	999	9999.9		
		eL	31 00	ST	14.0	29.5U		
25	HW-	eP	13 58 18.0	SZ	1.0	250.0	68.1	6.20
		eP	58 18	LZ	20	4011.4		
		ePP	14 00 50	LZ	25	1451.3		
		ePCS	02 45	LT	14	2077.2		
		eS	07 20	LT	13	29.4U		
		e	11 50	LZ	30	13.3U		
		eLQ	15 05	LR	25	9999.9U		
		eLR	18 55	LZ	20	9999.9U		
							AVG.	6.10
25	NP-	e	14 13 15	SZ	0.6	2.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	14 37 32.5		35.7 N 29.1 E EASTERN MEDITERRANEAN SEA H= 24 KM MAG 4.80 CGS					
25	NP-	eP	14 48 22.0	SZ	0.8	4.1	66.5	4.64
25	RK-	eP	14 49 42.0	SZ	0.8	4.0	80.2	4.39
							AVG.	4.51
25	AD-	eP	14 41 27.3	SZ	0.2	96.0	.4	
		eS	41 34	ST	0.3	9999.9		
25	DH-	eP	14 46 13.5	SZ	0.3	13.5	1.7	
		eS	46 37	SR	0.3	63.6		
25	MN-	eP	17 54 23.0	SZ	0.5	3.4	1.0	
		eS	54 37	SR	0.3	5.5		
25	DH-	eP	18 21 44.5	SZ	0.4	9.7	2.0	
		eS	22 10	SR	0.5	53.8		
25	LC-	eP	18 22 45.0	SZ	0.2	2.3	2.9	
		e	22 49	SZ	0.3	3.1		
		eS	23 23	ST	0.4	7.1		
25	MN-	eP	18 39 23.0	SZ	0.4	1.7	1.3	
		eS	39 41	SR	0.4	4.8		
25	19 20 33.		33.8 N 27.9 E EASTERN MEDITERRANEAN SEA H=132 KM MAG 4.40 CGS					
25	NP-	eP	19 38 46.5	SZ	1.0	3.6		
25	LC-	eP	20 38 40.0	SZ	0.2	23.1	1.5	
		eS	38 59	ST	0.4	10.6		
25	20 53 41.*		34.9 N 29.0 E EASTERN MEDITERRANEAN SEA H= 70 KM					
25	LC-	eP	21 01 13.5	SZ	0.5	11.7	1.2	
		eS	01 31	SR	0.5	11.3		
25	21 03 30.*		19.5 S 176.9 W FIJI ISLANDS REGION H=444 KM MAG 4.20 CGS					
25	LC-	eP	21 15 18.5	SZ	1.0	3.7	84.7	4.07
25	AD-	eSPP	21 23 27	LZ	23	223.3	71.1	
		eL	34 58	LZ	25	664.6		
25	22 27 18.*		18.2 N 68.2 W MONA PASSAGE H= 96 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MN-	eP	23 37 58.5	SZ	0.3	5.9	3.0	
		eS	38 35	SR	0.4	9.6		
26	JE-	eP	01 05 07.6	SZ	0.4	60.4		
26	03 18 44.1		52.1 N 30.1 W NORTH ATLANTIC RIDGE H= 33 KM MAG 5.40 CGS					
26	DH-	eP	03 25 04.5	SZ	1.3	56.5	31.5	5.27
		eLQ	34 05	LR	32			
		eLR	36 25	LR	20			
26	RK-	eP	03 26 04.0	SZ	0.5	12.9	38.5	4.95
		eSS	34 22	LT	15	233.4		
		eLQ	36 35	LT	32	545.3		
		eLR	39 15	LZ	20	703.7		
26	NP-	eP	03 26 18.5	SZ	1.4	33.7	40.0	4.85
26	JE-	eP	03 27 26.5	SZ	0.9	71.8	48.7	5.68
		eL	41 50	LZ	35	347.3		
		eLR	45 05	LR	21	1085.4		
26	LC-	eP	03 28 30.2	SZ	1.0	21.3	57.2	5.13
26	MN-	eP	03 28 46.5	SZ	0.9	15.3	59.8	5.06
		eLQ	49 55	LT	30	167.8		
		eLR	51 25	LZ	26	373.8		
26	AD-	eLR	03 53 31	LZ	24	143.7	72.6	
							AVG.	5.15
26	05 40 27.1		47.2 N 148.4 E NORTHWEST OF KURILE ISLANDS H=308 KM MAG 5.30 CGS					
26	AD-	eP	05 45 03.4	SZ	0.9	268.5	23.0	5.58
		eP	45 04	LZ	8	1561.2		
		epP	46 25	LZ	13	700.2		
		ePCP	49 05	LZ	17	464.9		
		eL	50 10	LT	25	1232.8		
26	NP-	eP	05 48 14.5	SZ	0.5	1.5	45.3	3.60
		epP	49 23	SZ	1.5	22.0		
26	HW-	eP	05 49 10.0	SZ	1.0	181.8	52.6	5.45
26	MN-	iP	05 50 36.9C	SZ	1.3	86.5	65.1	5.32
		epP	51 45	SZ	1.2	43.5		
26	RK-	eP	05 50 58.0	SZ	1.0	66.5	68.7	5.32
26	LC-	eP	05 51 42.5	SZ	1.1	51.4	76.1	5.17
		epP	52 53	SZ	1.5	36.0		
26	DH-	eP	05 52 19.0	SZ	1.0	39.2	83.0	5.19
							AVG.	5.09
26	07 35 55.7		45.1 N 151.0 E KURILE ISLANDS H= 33 KM MAG 4.20 CGS					
26	AD-	eL	07 45 44	LT	19	336.0	22.3	
26	09 00 20.*		13.9 N 92.6 W OFF COAST OF CHIAPAS, MEXICO H= 33 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	LC-	eP	09 05 15.5	SZ	0.8	2.1	22.4	3.63
26	JE-	eL	11 48 52	LZ	25.	159.7		
26	12 59 31.1		2 N 126.6 E MOLUCCA PASSAGE					
			H= 33 KM MAG 4.50 CGS					
26	13 21 03.*		23.3 S 179.5 W SOUTH OF FIJI ISLANDS					
			H=368 KM MAG 4.60 CGS					
26	DH-	eL	13 39 15	LR	30.			
26	DH-	eP	15 46 19.0	SZ	0.3	10.5	1.7	
		eS	46 41	SR	0.3	25.9		
26	DH-	eP	16 40 37.0	SZ	0.5	11.0	1.5	
		eS	41 58	SR	0.5	34.3		
26	16 58 52.*		43.8 N 102.2 W SOUTH DAKOTA					
			H= 15 KM MAG 4.40 CGS					
26	17 22 55.*		60.9 N 147.9 W SOUTHERN ALASKA					
			H= 33 KM MAG 3.90 CGS					
26	LC-	eP	17 28 24.2	SZ	0.2	10.5	1.4	
		eS	28 43	ST	0.4	4.5		
26	AD-	eP	17 33 46.0	SZ	0.6	14.1		
26	AD-	e	17 35 05	LZ	18	137.1		
26	AD-	eL	17 36 07	LT	23	602.6		
26	AD-	eP	17 51 11.3	SZ	0.2	278.8	.7	
		eS	51 21	SR	0.3	218.6		
26	MN-	eP	18 15 03.0	SZ	0.3	3.5		
26	HW-	eP	18 30 54.9	SZ	999.9	9999.9		
26	19 31 40.8		20.3 S 178.3 W FIJI ISLANDS REGION					
			H=510 KM MAG 4.30 CGS					
26	AD-	eP	19 42 12.5	SZ	0.6	28.2	71.9	4.97
26	AD-	eP	20 10 35.0	SZ	0.3	80.4	1.6	
		eS	10 57	SR	0.4	232.2		
26	AD-	eL	20 11 00	LZ	17	391.4		
26	DH-	eP	20 27 45.0	SZ	0.5	36.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	LC-	eP	20 35 51.1	SZ	0.3	.9	1.5	
		e	35 51	SZ	0.3	17.0		
		eS	36 11	SR	0.4	18.7		
26	DH-	eP	20 40 47.5	SZ	0.5	7.3	1.8	
		eS	41 12	SR	0.5	20.5		
26	20 47 53.*		28.8 S 69.3 W CHILE ARGENTINA BORDER REG.					
			H=102 KM MAG 4.50 CGS					
26	LC-	eP	20 58 57.6	SZ	0.9	6.5	70.4	4.46
26	LC-	eP	21 11 35.2	SZ	0.3	4.9	1.5	
		eS	11 55	SR	0.4	8.0		
26	MN-	eP	22 31 20.5	SZ	0.3	1.4	2.0	
		eS	31 37	SR	0.3	5.2		
26	23 45 04.5		57.3 N 152.7 W KODIAK ISLAND REGION					
			H= 18 KM MAG 4.90 CGS					
26	AD-	eP	23 48 31.5	SZ	0.4	7.7	14.9	4.56
		eP	48 32	LZ	12	270.2		
		e	48 37	SZ	0.5	42.4		
		eLR	52 52	LZ	20	1010.2		
		eL	54 39	LT	17	3018.2		
		eL	54 39	LR	18	2075.6		
		eL	54 39	LZ	17	2422.3		
26	NP-	eP	23 50 05.5	SZ	1.5	58.8	22.5	4.82
26	MN-	eP	23 51 08.7	SZ	0.7	3.7	29.4	4.30
		eLR	59 35	LZ	26	944.5		
26	LC-	eP	23 52 40.5	SZ	0.9	7.5	40.0	4.36
							AVG.	4.51
27	MN-	eP	00 00 32.7	SZ	0.8	10.5		
27	01 34 26.7		23.7 N 143.6 E VOLCANO ISLANDS REGION					
			H= 39 KM MAG 5.10 CGS					
27	AD-	eS	01 48 02	LT	16.	412.5	41.3	
		eLQ	51 42	LT	20	405.6		
		eLR	53 36	LZ	25	443.5		
27	03 10 19.*		54.1 N 167.4 W FOX ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.30 CGS					
27	AD-	eP	03 11 48.2	SZ	0.3	14.2	6.0	5.08

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	13 02	ST	0.8	24.1		
		eL	13 16	LT	17	1037.5		
27	04 45 02.6		5.6 S 133.9 E AROE ISLANDS REGION H= 9 KM MAG 5.10 CGS					
27	HW-	eP	05 35 34.7	SZ	999.9	9999.9	.1	
		eS	35 37	ST	999.9			
27	LC-	eL	07 03 25	LR	35	203.6		
27	07 53 54.8		17.5 S 173.0 W TONGA ISLANDS H= 33 KM MAG 5.30 CGS					
27	AD-	eP	08 05 00	LZ	8.	948.6	69.1	
		eS	14 15	LT	17	1006.0		
		eLQ	23 00	LR	22	408.7		
		eLR	25 40	LZ	23	351.0		
		eL	30 33	LT	21	1403.6		
		eL	30 33	LR	20	129.8		
		eL	30 33	LZ	20	959.1		
27	MN-	eP	08 05 39.2	SZ	1.1	34.1	75.7	5.27
		eL	26 55	LZ	35	502.2		
		eLR	31 15	LZ	20	825.5		
		eL	34 07	LZ	18	2085.6		
		eL	34 07	LR	18	457.1		
		eL	34 07	LT	18	1641.5		
27	LC-	eP	08 06 07	LZ	17	143.5	80.6	
		eS	16 18	LR	28	204.9		
		eL	27 37	LR	23	188.0		
27	HW-	eLQ	08 11 15	LR	19	1268.6	79.2	
		eLR	14 05	LR	19	1469.0		
27	JE-	eL	08 37 00	LZ	25	216.7	91.7	
		eLR	40 32	LZ	20	437.4		
27	NP-	eL	08 42 35	LT	20	419.1	98.9	
27	DH-	eLQ	08 44 30	LR	35	156.3	107.5	
		eLR	50 40	LR	20	897.6		
27	LC-	eP	08 06 07.5	SZ	1.2	37.7		
27	08 27 42.*		6.5 N 123.5 E MINDANAO, PHILIPPINE ISLANDS H= 33 KM MAG 5.10 CGS					
27	09 10 54.7		15.1 N 98.8 W OFF COAST GUERRERO, MEXICO H= 43 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	MN-	eP	09 24 05.1	SZ	0.5	1.8	3.2	
		eS	24 43	SR	0.4	3.1		
27	09 53 51.		65.3 N 133.8 W N. YUKON TERRITORY, CANADA H= 33 KM MAG 4.60 CGS					
27	AD-	eP	09 59 21.4	SZ	0.9	22.9	25.5	4.79
		eL	10 06 32	LT	19	308.0		
27	MN-	eP	10 31 46.3	SZ	0.3	2.3	1.2	
27	10 32 00.*		63.6 N 148.2 W CENTRAL ALASKA H=106 KM MAG 4.20 CGS					
27	NP-	eP	10 35 38.0	SZ	0.6	,	15.8	
27	AD-	eL	10 42 20	LZ	29	287.5	19.0	
27	MN-	eS	10 32 02	SR	0.5	7.9	1.2	
27	NP-	eP	10 56 35.5	SZ	0.4	,		
27	NP-	e	10 58 46	SR	0.6			
27	NP-	eL	11 00 33	SZ	16.0			
27	AD-	eP	11 15 42.4	SZ	0.2	9.4	1.7	
		eS	16 06	SR	0.3	25.5		
27	11 58 41.3		28.2 N 55.7 E SOUTHERN IRAN H= 69 KM MAG 5.10 CGS					
27	NP-	eP	12 10 21.1	SZ	0.6	,	75.8	
27	12 25 22.5		4.8 N 76.2 W COLOMBIA H=112 KM MAG 4.80 CGS					
27	LC-	eP	12 32 44.5	SZ	0.8	17.4	39.5	4.95
27	MN-	eP	12 34 12.7	SZ	0.9	8.7	50.7	4.70
							AVG.	4.82
27	12 56 46.1		27.5 N 55.9 E SOUTHERN IRAN H= 33 KM MAG 5.30 CGS					
27	NP-	eP	13 08 35.0	SZ	0.7	,	76.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	AD-	eLQ	13 39 50	LR	35.	299.6	88.5	
		eLR	44 20	LZ	25	295.7		
27	LC-	e	13 42 05	LZ	26	46.3	118.1	
		eL	49 52	LR	31	130.7		
27	DH-	eL	13 45 58	LR	25	201.4	97.1	
		eLR	53 05	LR	24	759.9		
27	MN-	eL	13 55 30	LZ	17	89.2	114.2	
27	JE-	eL	13 56 25	LZ	32	284.5	113.6	
27	DH-	eP	14 25 02.7	SZ	0.3	5.1	2.2	
		eS	25 29	SR	0.4	30.2		
27	15 37 52.*		3. S 103.1 E SOUTHERN SUMATRA H=506 KM					
27	HW-	eL	16 53 05	LZ	18.	934.7	101.5	
27	MN-	eP	15 59 05.0	SZ	0.2	1.1	.7	
		eS	59 15	SR	0.3	9.0		
27	AD-	eP	17 37 11.5	SZ	0.3	35.5	1.3	
		eS	37 29	SR	0.4	277.9		
27	MN-	eP	17 43 05.0	SZ	0.3	5.2	1.2	
		eS	43 22	ST	0.5	6.3		
27	MN-	eP	17 46 32.5	SZ	0.3	9999.9	1.1	
		eS	46 47	SR	0.3	9999.9		
27	MN-	eP	17 49 55.0	SZ	0.4	5.0	1.3	
		eS	50 12	SR	0.3	9999.9		
27	DH-	eP	18 31 58.0	SZ	0.4	13.5	1.7	
		eS	32 20	SR	0.4	45.3		
27	DH-	eP	18 37 11.0	SZ	0.4	15.4	1.9	
		eS	37 37	SR	0.5	69.5		
27	19 31 56.9		35.5 N 28.7 E EASTERN MEDITERRANEAN SEA H= 33 KM MAG 4.70 CGS					
27	DH-	eL	20 09 30	LR	23	311.7	75.8	
27	LC-	e	20 09 45	LR	21	60.4	100.5	
		eL	16 00	LR	35	271.5		
27	MN-	eL	20 19 46	LR	28	330.6	100.3	
27	LC-	eP	20 23 53.7	SZ	0.3	9999.9	1.5	
		eS	24 15	SR	0.3	19.2		
27	LC-	eP	20 35 44.6	SZ	0.5	4.1	2.7	
		eS	36 18	ST	0.3	9999.9		
27	LC-	eP	21 20 56.8	SZ	0.3	11.8	1.5	
		eS	21 15	SR	0.3	4.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	21 23 38.9		22.7 S 172.0 E LOYALTY ISLANDS REGION H= 33 KM					
27	DH-	eS	21 40 42	SR	0.3	18.7		
27	21 46 42.*		1.5 N 78.4 W COLOMBIA ECUADOR BORDER REG. H=141 KM MAG 4.90 CGS					
27	LC-	eP	21 54 10.8	SZ	0.6	5.6	40.6	4.45
27	22 41 53.*		60.9 N 152.8 W SOUTHERN ALASKA H= 33 KM MAG 3.70 CGS					
27	23 48 26.3		21.6 S 175.3 W TONGA ISLANDS H= 60 KM MAG 5.20 CGS					
28	AD-	eLR	00 21 44	LZ	25.	213.2	73.2	
28	AD-	eL	02 09 37	LZ	24.	104.9		
28	04 35 29.3		19.8 S 178.2 W FIJI ISLANDS REGION H=580 KM MAG 5.40 CGS					
28	AD-	eP	04 45 51.0	SZ	0.6	147.3	71.4	5.69
		ePn	45 52	LZ	13	279.6		
		epP	47 40	LZ	14	230.4		
		ePP	48 43	LZ	17	250.1		
		eS	54 20	LR	17	538.6		
28	MN-	eP	04 46 45.0	SZ	1.0	9999.9	80.8	
		epP	48 47	SZ	1.4	11.6		
28	LC-	eP	04 47 10.5	SZ	1.1	28.8	85.9	4.89
							AVG.	5.29
28	06 50 47.*		37. N 113.1 W UTAH H= 33 KM					
28	08 25 08.9		18.2 S 174.6 W TONGA ISLANDS H= 70 KM MAG 4.40 CGS					
28	10 51 28.*		41.6 N 125.9 W OFF COAST NORTH CALIFORNIA H= 33 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	12 06 18.3		37.9 N 19.8 E IONIAN SEA H= 61 KM MAG 4.50 CGS					
28	RK-	eP	12 58 17.0	SZ	0.4	8.6	2.5	
		e	58 21	SZ	0.4	8.6		
		eS	58 48	ST	999.9	9999.9		
28	13 21 13.5		7.1 N 95.1 E NICOBAR ISLANDS REGION H= 33 KM MAG 5.10 CGS					
28	NP-	eP	13 34 32.5	SZ	0.5	1.7	94.4	4.71
28	13 22 05.*		7.6 N 95.6 E NICOBAR ISLANDS REGION H= 33 KM MAG 5.20 CGS					
28	AD-	eP	13 34 27.8	SZ	1.4	95.8	82.7	5.71
28	NP-	eP	13 35 23.0	SZ	1.7	68.3	93.8	5.74
							AVG.	5.72
28	DH-	eP	14 15 22.0	SZ	0.2	4.2	1.9	
		eS	15 47	SR	0.4	27.7		
28	14 42 18.5		24.4 S 179.8 E SOUTH OF FIJI ISLANDS H=549 KM MAG 4.90 CGS					
28	LC-	eP	14 54 21.5	SZ	0.7	4.2	90.1	4.49
28	DH-	eP	17 41 57.0	SZ	0.4	12.4	1.8	
		eS	42 21	SR	0.3	35.0		
28	DH-	eP	17 57 52.5	SZ	0.5	6.7	1.6	
		eS	58 14	SR	0.5	47.1		
28	18 17 03.2		23.5 N 120.6 E TAIWAN H= 10 KM MAG 5.20 CGS					
28	RK-	eLR	19 11 25	LZ	5.	27.0U	100.0	
28	LC-	eL	19 25 40	LZ	20	151.8	108.4	
28	LC-	eL	18 44 50	LZ	20.	123.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	DH-	eP	19 03 14.5	SZ	0.4	6.2	1.7	
		eS	03 38	SR	0.4	12.3		
28	19 05 44.*		22.8 N 120.9 E TAIWAN H= 65 KM					
28	DH-	eP	20 26 31.0	SZ	0.3	9.6	.8	
		eS	26 42	SR	0.3	28.6		
28	AD-	eP	20 44 08.8	SZ	0.2	38.3	1.0	
		eS	44 22	SR	0.3	43.7		
28	LC-	eP	20 48 39.5	SZ	999.9	9999.9	1.4	
		eS	48 58	ST	999.9	9999.9		
28	22 57 58.2		51.5 N 130.2 W QUEEN CHARLOTTE ISLANDS REG. H= 33 KM MAG 4.20 CGS					
28	LC-	eL	23 11 30	LZ	30	72.5	25.7	
29	MN-	eP	00 40 47.0	SZ	0.5	2.8	3.0	
		eS	41 26	SR	0.5	6.8		
29	02 45 29.*		43.3 N .1 E FRANCE H= 33 KM MAG 4.40 CGS					
29	04 08 03.2		57.8 N 156.0 W ALASKA PENINSULA H= 78 KM MAG 4.80 CGS					
29	NP-	eP	04 12 58.0	SZ	0.7	259.6	22.7	5.71
29	AD-	eL	04 13 51	LZ	18	204.5	13.3	
29	RK-	eP	04 14 56.5	SZ	0.5	19.6	35.8	5.28
29	LC-	eP	04 15 48.1	SZ	1.0	3.6	41.8	4.14
		e	16 10	SZ	0.9	10.3		
							AVG.	5.04
29	05 20 19.8		71.6 N 3.7 W JAN MAYEN ISLAND REGION H= 33 KM MAG 4.70 CGS					
29	LC-	eP	05 30 50.1	SZ	1.1	3.0	63.5	4.31
29	JE-	eL	05 53 55	LZ	25	110.0	59.7	
29	LC-	eL	05 52 15	LZ	30.	55.8		
29	AD-	eP	06 01 46.9	SZ	0.3	10.7	1.5	
		eS	02 06	SR	0.4	49.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	06 05 24.2		19.3 S 66.3 W SOUTHERN BOLIVIA H=232 KM MAG 5.00 CGS					
29	LC-	eP	06 15 36.6	SZ	0.6	5.1	64.3	4.43
		e	16 00	SZ	1.0	6.1		
29	RK-	eP	06 16 35.0	SZ	0.5	14.5	73.9	4.96
29	MN-	eP	06 16 44.5	SZ	1.2	26.9	75.2	4.85
		epP	17 50	SZ	1.5	17.1		
							AVG.	4.74
29	06 55 30.*		72.3 N 2.8 W JAN MAYEN ISLAND REGION H= 33 KM MAG 4.40 CGS					
29	HW-	eP	07 10 31.5	SZ	0.2	19.8	.9	
		eS	10 43	ST	0.2	246.9		
29	MN-	eP	09 28 45.0	SZ	0.5	1.2	.6	
		eS	28 54	SR	0.4	21.9		
29	JE-	eL	10 39 56	LT	15	356.6		
29	AD-	eP	10 49 44.6	SZ	0.2	28.7	5.8	
		eS	49 53	SR	0.3	112.9		
29	LC-	eP	11 03 05.3	SZ	0.2	1.7	2.3	
		eS	03 35	ST	0.2	9.9		
29	LC-	eP	12 02 54.5	SZ	1.3	4.7		
29	12 49 58.3		13.3 S 172.4 E NEW HEBRIDES ISLANDS REGION H= 33 KM MAG 4.90 CGS					
29	AD-	eL	13 05 10	LZ	25.	159.9		
29	13 25 25.9		13.7 S 172.6 E NEW HEBRIDES ISLANDS REGION H= 33 KM MAG 5.00 CGS					
29	MN-	eL	14 03 55	LZ	25.	139.5	82.8	
29	AD-	eL	13 55 06	LZ	26.	354.3		
29	LC-	eL	14 06 33	LZ	27	64.3		
29	LC-	eP	14 08 38.3	SZ	1.0	2.4		
29	DH-	eP	15 03 29.5	SZ	0.4	9.2		
29	LC-	eP	15 07 15.0	SZ	0.7	.6		
29	MN-	eP	15 23 07.5	SZ	0.4	2.0		
29	LC-	e	16 16 20	LZ	17	71.7		
29	LC-	e	16 20 15	LZ	30	61.4		
29	LC-	eLR	16 21 45	LZ	16	217.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC-	eP	16 22 26.5	SZ	1.0	2.4		
29	LC-	e	16 24 53	LZ	18	206.2		
29	LC-	e	16 32 05	LZ	34	179.3		
29	LC-	eLR	16 33 45	LZ	20	787.7		
29	LC-	e	16 39 50	LZ	35	146.0		
29	LC-	eLR	16 41 35	LZ	19	461.8		
29	LC-	eP	16 55 57.5	SZ	0.2	9.8	.5	
		eS	56 15	ST	0.2	6.2		
29	MN-	eP	17 03 11.5	SZ	0.3	1.7	2.1	
		eS	03 39	ST	0.5	6.2		
29	17 17 34.*		3.2 S 92.2 W GALAPAGOS ISLANDS REGION H= 33 KM MAG 4.20 CGS					
29	LC-	eP	17 24 50.3	SZ	0.7	1.2	38.0	3.81
29	JE-	e	17 28 40	LR	27	1213.7	34.8	
		eSS	31 58	LR	26	836.7		
		eL	33 00	LZ	32	481.8		
29	DH-	eL	17 39 45	LR	25	316.2	47.9	
29	MN-	eL	17 40 05	LZ	25	456.6	47.9	
29	RK-	eLQ	17 40 50	LT	45	492.2	53.8	
		eLR	46 15	LZ	22	525.5		
29	17 26 55.5		20.7 S 174.1 W TONGA ISLANDS H= 33 KM MAG 4.40 CGS					
29	MN-	eP	17 38 57.5	SZ	1.0	5.0	78.8	4.45
29	LC-	eP	17 39 22.2	SZ	1.0	2.4	83.4	4.29
							AVG.	4.37
29	LC-	e	17 34 12	LZ	32.	419.8		
29	LC-	eL	17 36 12	LZ	999	9999.9		
29	19 37 56.		35.2 N 28.6 E EASTERN MEDITERRANEAN SEA H= 63 KM MAG 4.70 CGS					
29	20 51 55.*		11.4 N 87.2 W NEAR COAST OF NICARAGUA H= 33 KM MAG 4.20 CGS					
29	LC-	eP	21 04 00.2	SZ	0.2	6.4	1.5	
		eS	04 19	SR	0.2	6.5		
29	21 36 50.8		14.9 S 172.8 W SAMOA ISLANDS H= 33 KM MAG 4.70 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	MN-	eP	21 48 24.0	SZ	0.7	2.4	73.7	4.30
		eL	22 11 05	LT	26	183.4		
29	LC-	eP	21 48 53.3	SZ	0.7	5.4		
29	LC-	e	21 49 03	SZ	0.7	5.4		
29	MN-	eP	22 37 28.8	SZ	0.5	3.7	3.0	
		eS	38 05	SR	0.5	3.9		
29	MN-	eP	23 52 04.5	SZ	0.5	.9	.6	
		eS	52 13	ST	0.5	5.8		
30	LC-	e	01 37 58	LZ	27	75.2		
30	DH-	e	01 48 27	LR	32	264.4		
30	DH-	eL	01 55 00	LZ	27	297.6		
30	LC-	eL	02 01 48	LZ	25	87.9		
30	JE-	eL	02 03 28	LZ	22	145.2		
30	RK-	e	02 04 04	LT	31	406.3		
30	RK-	eL	02 06 10	LT	30	370.5		
30	MN-	eL	02 12 48	LZ	29	221.8		
30	02 35 08.*		27.6 N 88.3 E SIKKIM H= 21 KM MAG 5.20 CGS					
30	NP-	eP	02 46 49.8	SZ	1.4	34.3	75.0	5.15
30	AD-	eL	03 17 50	LZ	19	557.0	71.7	
30	JE-	eL	03 49 27	LZ	19	232.9	120.9	
30	03 19 07.5		6.6 N 82.5 W SOUTH OF PANAMA H= 45 KM MAG 4.20 CGS					
30	LC-	eP	03 25 50.6	SZ	1.0	4.6	34.1	4.33
		eP	25 57	LZ	17	39.6		
		eL	37 10	LZ	26	54.3		
30	MN-	eP	03 27 23.4	SZ	1.1	6.1	45.2	4.38
30	NP-	eP	03 30 31.3	SZ	1.1	7.9	72.5	4.63
30	DH-	eL	03 35 26	LR	26	185.3	36.1	
							AVG.	4.44
30	MN-	eP	04 37 20.0	SZ	0.6	13.2	1.5	
		eS	37 40	SR	0.4	15.6		
30	04 53 21.6		71.8 N 3.6 W JAN MAYEN ISLAND REGION H= 33 KM MAG 4.50 CGS					
30	LC-	eL	05 31 17	LZ	19.	80.7	63.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	MN-	iP	07 26 14.5C	SZ	0.3	9999.9	.1	
		eS	26 17	SR	0.5	9999.9		
30	07 57 38.		18.9 S 169.5 E NEW HEBRIDES ISLANDS H=210 KM MAG 4.00 CGS					
30	08 11 42.5		15.8 S 174.9 W TONGA ISLANDS H=286 KM MAG 4.90 CGS					
30	MN-	eP	08 22 58.7	SZ	0.9	24.3	75.7	4.93
30	LC-	eP	08 23 28.0	SZ	0.9	37.7	81.0	5.21
							AVG.	5.07
30	LC-	eL	09 38 06	LZ	30.	120.4		
30	MN-	eP	10 33 38.8	SZ	0.4	9.1	.6	
		eS	33 47	SR	0.5	8.2		
30	08 47 34.7		5 931.4 NEW GUINEA H=580 KM MAG C.GS CGS					
30	15 20 50.7		12.6 N 88.5 W OFF COAST OF CENTRAL AMERICA H= 54 KM MAG 4.60 CGS					
30	JE-	eP	15 25 17.0	SZ	1.0	41.0	19.4	4.67
		ePP	25 31	SZ	1.0	61.6		
		ePP	25 35	LZ	16	158.8		
		eL	31 53	LZ	31	478.3		
30	LC-	eP	15 26 18.4	SZ	0.6	6.1	25.8	4.36
		e	31 21	LZ	22	61.3		
		eL	33 47	LZ	32	139.5		
30	DH-	eP	15 27 12.6	SZ	0.6	7.3	31.8	4.68
		e	27 28	SZ	0.9	13.5		
		eL	36 55	LR	29	156.1		
30	MN-	eP	15 27 57.5	SZ	0.7	3.7	36.8	4.34
		ePCP	30 19	SZ	0.6	4.3		
		eL	40 06	LZ	26	159.9		
30	RK-	eP	15 28 06.9	SZ	0.7	13.6	38.4	4.88
30	NP-	eP	15 31 30.5	SZ	1.0	13.5	65.7	4.97
		e	31 46	SZ	1.0	11.3		
							AVG.	4.65
30	17 55 17.		9.8 S 159.1 E SOLOMON ISLANDS H= 35 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	DH-	eL	20 35 26	LR	23.	278.9		
30	20 37 09.2		13.6 S 172.4 E NEW HEBRIDES ISLANDS REGION H= 33 KM MAG 4.90 CGS					
30	AD-	e	20 57 00	LZ	23.	364.8	65.9	
		eLR	21 06 52	LZ	25	1599.4		
30	HW-	eL	20 58 02	LZ	33	2116.1	45.8	
30	DH-	eL	21 35 09	LR	23	311.7	115.8	
30	LC-	eP	20 45 36.9	SZ	0.2	9999.9	1.3	
		eS	45 50	SZ	0.4	12.7		
30	21 03 58.*		29.2 N 114.4 W BAJA CALIFORNIA H= 33 KM MAG 5.20 CGS					
30	LC-	eP	21 05 54.0	SZ	0.7	1.2	7.4	3.94
30	MN-	eP	21 06 08.3	SZ	1.0	2.5	9.7	4.45
		eL	08 50	SZ	2.2	92.1		
		eL	15 23	LZ	31	1120.4		
						AVG.		4.19
30	JE-	eL	21 32 41	LZ	18.	203.6		
30	21 44 56.9		19.9 S 176.0 W FIJI ISLANDS REGION H=253 KM MAG 5.60 CGS					
30	MN-	iP	21 56 37.5C	SZ	999.9	9999.9	79.4	
		e	57 37	SZ	1.0	9999.9		
		e	57 51	SZ	1.5	33.3		
30	LC-	eP	21 57 04.0	SZ	1.2	9999.9	84.3	
		e	58 04	SZ	1.1	31.7		
30	AD-	eL	22 14 00	LZ	23	182.4	71.5	
30	22 30 24.8		13.7 S 172.5 E NEW HEBRIDES ISLANDS REGION H= 33 KM					
30	AD-	e	22 50 38	LZ	20.	295.8	66.0	
		eL	23 00 20	LZ	27	813.6		
30	HW-	eL	22 51 14	LZ	28	652.1	45.8	
30	LC-	eL	23 11 09	LZ	30	131.8	89.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	JE-	eL	23 22 43	LZ	20.	124.9	101.7	
30	DH-	eL	23 28 42	LR	24	231.2	115.8	
30	22 57 35.*		34.1 N 118.4 W SOUTHERN CALIFORNIA H= 14 KM MAG 4.25 CGS					
30	MN-	eP	22 58 52.9	SZ	0.9	9999.9	4.3	
		e	59 47	ST	999.9	9999.9		
31	AD-	e	02 00 20	LZ	27.	109.3		
31	LC-	eL	02 12 24	LZ	24	16.6		
31	02 14 20.3		35.2 S 106.0 W EASTER ISLAND CORDILLERA H= 33 KM MAG 5.20 CGS					
31	LC-	eP	02 25 13.5	SZ	0.9	6.5	67.2	4.76
		e	25 27	SZ	1.0	36.7		
		e	34 08	LZ	19	17.6		
		e	38 26	LZ	18	32.5		
		eL	43 33	LZ	24	51.2		
		eLR	47 50	LZ	20	131.3		
31	JE-	eP	02 25 20.2	SZ	1.2	32.5	67.9	5.31
		eS	34 25	LR	17	1390.8		
		eSCS	35 31	LR	18	984.5		
		eSS	38 50	LR	22	614.6		
		eSSS	42 05	LR	26	1469.3		
		eL	46 24	LZ	30	636.0		
31	RK-	eP	02 27 00.5	SZ	1.0	18.4	86.4	5.14
		eL	55 00	LT	24	917.1		
		eL	55 00	LR	25	426.0		
31	MN-	eS	02 35 47	LT	20	382.2	74.1	
		eSS	40 30	LT	26	448.5		
		eLQ	46 01	LT	39	1735.4		
		eLR	49 46	LZ	22	892.8		
		eL	51 02	LT	20	684.1		
		eL	51 02	LR	21	535.0		
31	HW-	e	02 40 21	LR	25	643.6	72.3	
		eLQ	44 36	LR	24	1739.1		
		eLR	48 02	LZ	29	1208.1		
31	DH-	eSS	02 42 32	LR	25	717.8	82.2	
		eLQ	48 56	LR	22	1044.8		
		eLR	55 30	LZ	25	1685.0		
31	AD-	e	02 43 18	LZ	20	157.1	106.4	
		e	48 07	LZ	25	467.3		
		eLR	03 03 28	LZ	26	1221.1		
							AVG.	5.07
31	JE-	eL	02 17 17	LT	21.	366.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	AD-	eL	02 18 00	LZ	23.	126.9		
31	02 42 09.7		55.2 N 162.0 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 4.60 CGS					
31	04 22 09.*		1.4 N 66.0 E CARLSBERG RIDGE H= 29 KM					
31	LC-	eP'1	04 41 46.4	SZ	1.6	31.2	145.7	
		eL	05 40 52	LZ	28	29.2		
31	NP-	eP	04 41 39.6	SZ	0.7	4.2		
31	LC-	eL	04 53 40	LZ	23	16.5		
31	05 30 35.1		25.7 N 128.1 E RYUKYU ISLANDS H= 91 KM					
31	MN-	eP	15 10 36.0	SZ	0.3	.8	2.7	
		eS	11 10	SR	0.4	5.7		
31	17 03 36.*		35.5 N 118.4 W CENTRAL CALIFORNIA H= 5 KM MAG 4.50 CGS					
31	MN-	eP	17 04 28.1	SZ	0.6	1.0	2.9	
		e	04 33	SZ	999.9	9999.9		
		eL	05 14	ST	999.9	9999.9		
31	17 07 39.*		9.6 N 85.4 W OFF COAST OF COSTA RICA H= 33 KM MAG 4.20 CGS					
31	HW-	eP	17 58 06.3	SZ	0.3	99.2	1.1	
		eS	58 22	ST	0.6	466.6		
31	19 36 38.*		59.5 N 145.9 W GULF OF ALASKA H= 33 KM MAG 4.60 CGS					
31	NP-	eP	19 41 01.1	SZ	0.9	9.5	19.2	4.06
31	RK-	eL	19 52 23	LT	15	168.3	30.3	
31	AD-	eL	19 48 14	LZ	20.	130.9		
31	23 20 19.4		52.4 N 170.7 W FOX ALEUTIAN ISLANDS H= 33 KM MAG 5.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	AD-	eP	23 21 20.2	SZ	999.9	9999.9	3.7	
		eP	21 21	LZ	21	1051.9		
		eL	22 04	ST	999.9	9999.9		
		eL	22 12	LT	24	3799.7		
31	NP-	eP	23 26 34.6	SZ	0.4	6.0	30.8	4.80
		e	29 30	SZ	0.7	15.4		
31	23 55 23.*		58.5 N 154.8 W ALASKA PENINSULA H= 33 KM					

Bulletin No. 33
September 1964

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. 33
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January 1965

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 8 of the 39 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 39 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, Northwest Territory (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. Three-component long-period seismograph systems are also in operation at HW-IS and NP-NT.

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 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

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

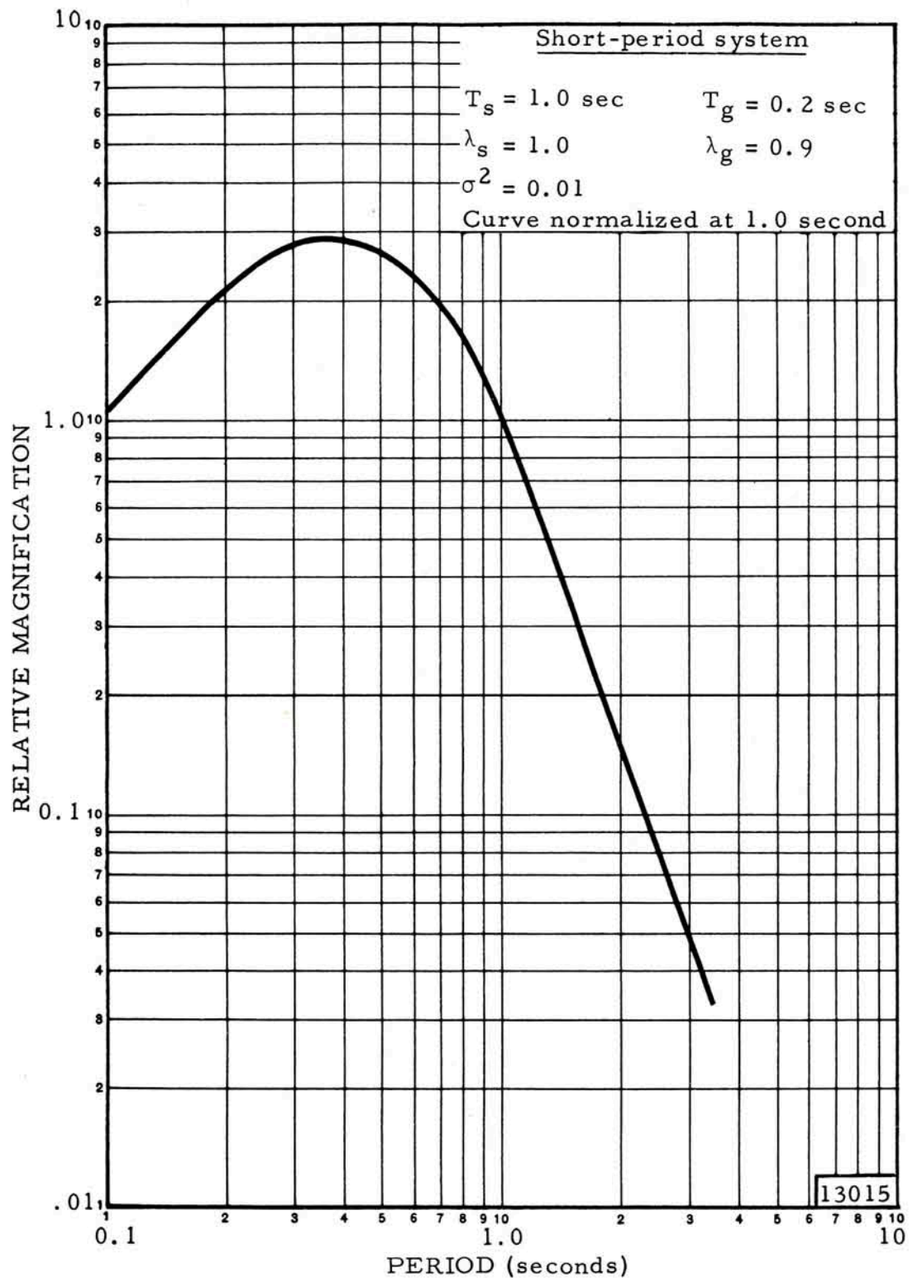


Figure 1. Frequency response of the Benioff short-period seismograph system

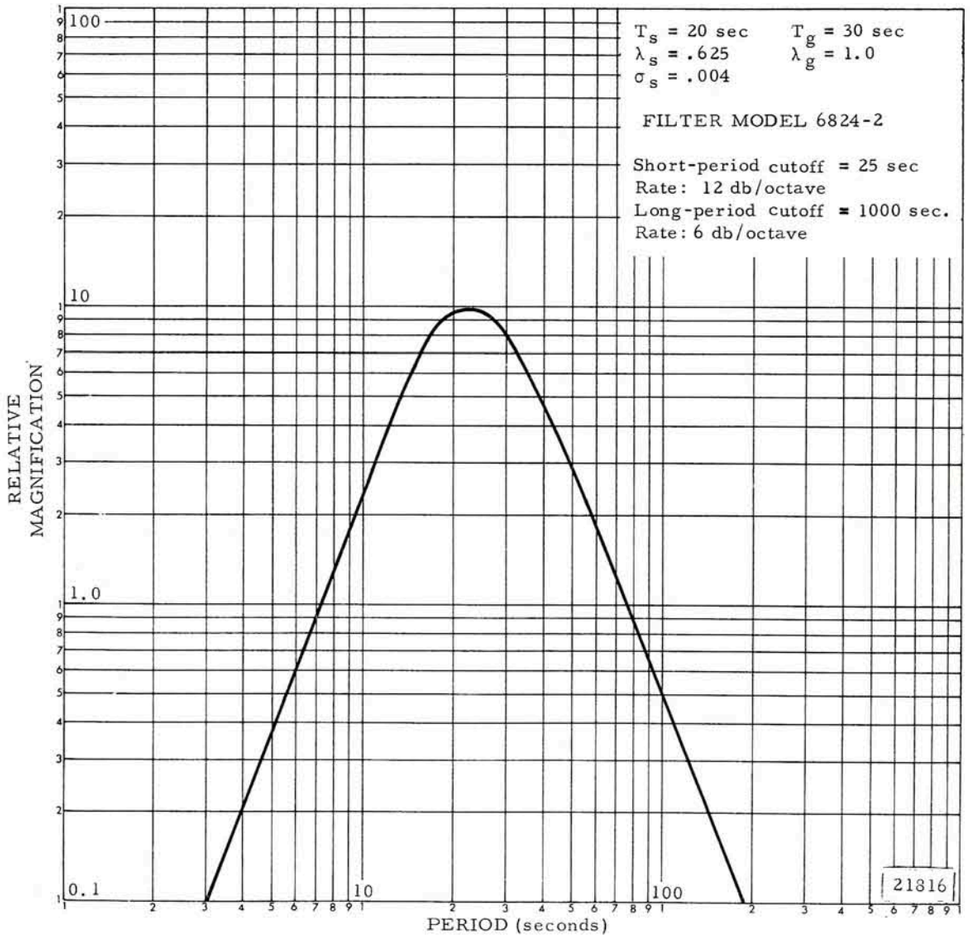


Figure 2. Frequency response of the Sprengnether long-period seismograph system

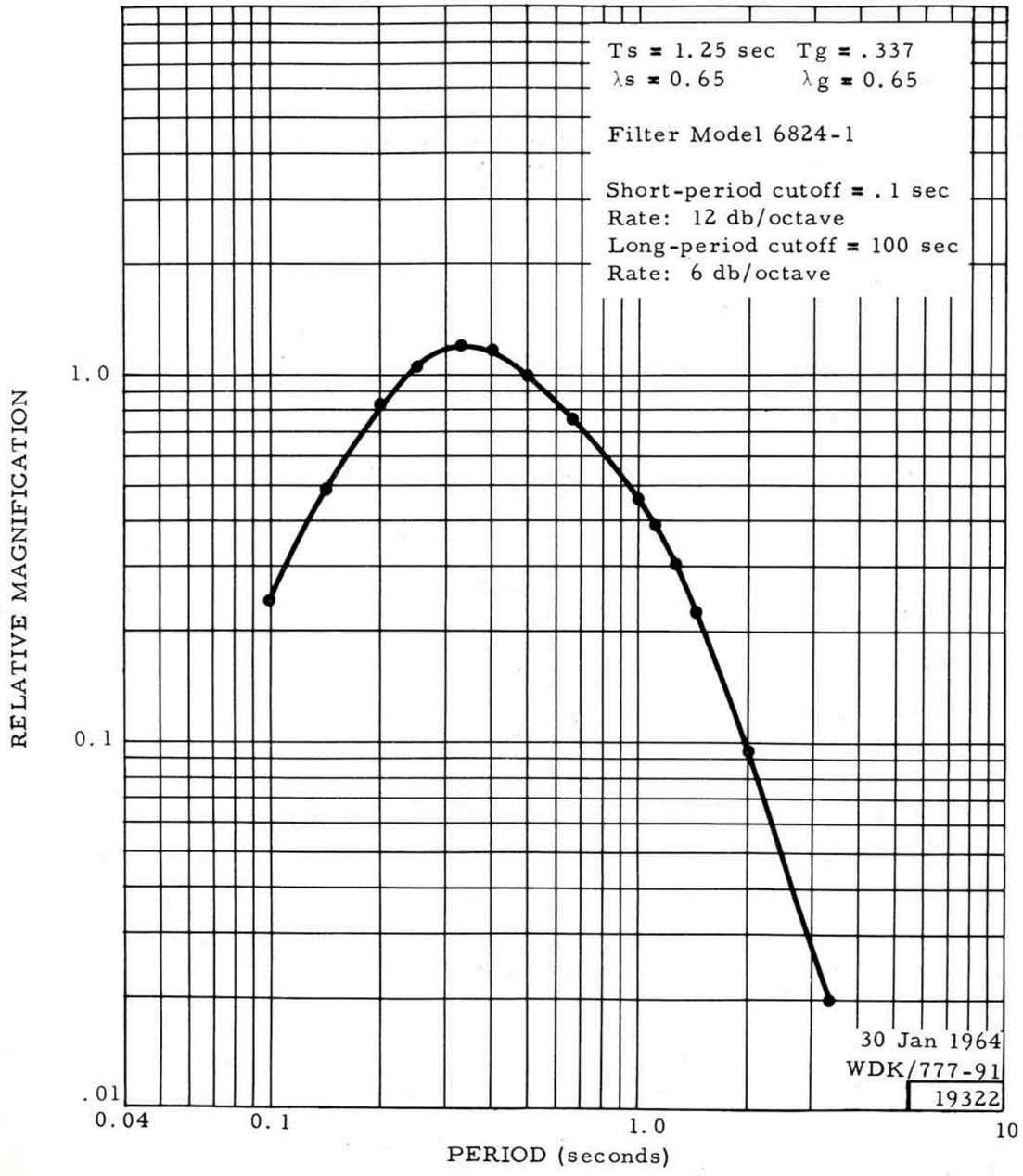


Figure 3. Frequency response of the Johnson-Matheson seismograph system

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 (GCT).

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 designator	Site location
AD-	Adak, Aleutian Islands
MN-	Mina, Nevada
LC-	Las Cruces, New Mexico
DH-	Delhi, New York
RK-	Red Lake, Ontario
JE-	Jena, Louisiana
HW-	Hawaii Island
NP-	Mould Bay, Northwest Territory

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.

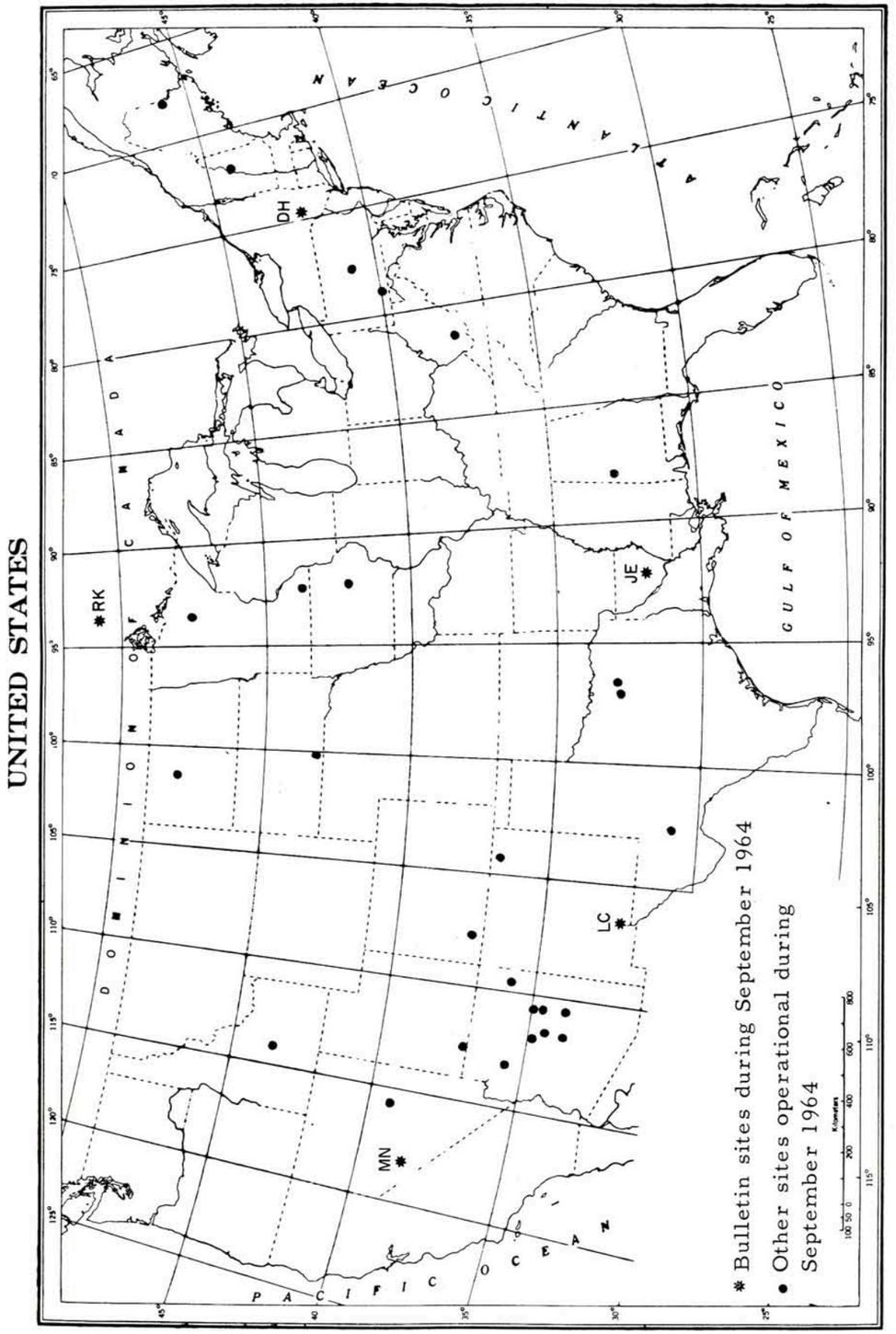


Figure 4. LRSM sites inside the continental United States and Canada during September 1964

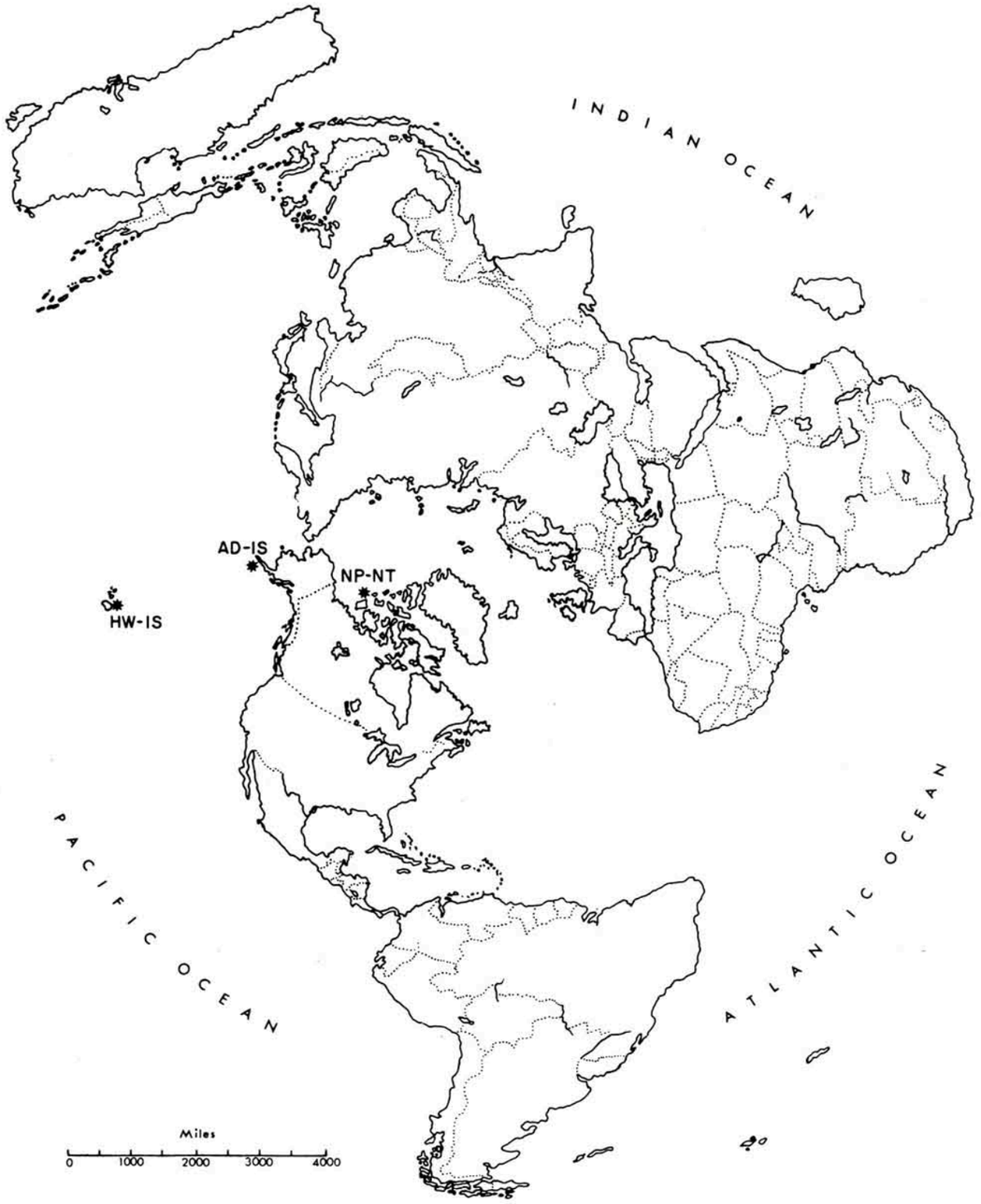


Figure 5. LRSM bulletin sites outside the continental United States during September 1964

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 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.

3.5 INST

The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

SZ	Short-period vertical
SR[1]	Short-period radial (horizontal)
ST[1]	Short-period transverse (horizontal)
LZ	Long-period vertical
LR[1]	Long-period radial (horizontal)
LT[1]	Long-period transverse (horizontal)

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. If the signal period recorded by a short-period instrument cannot be measured, the digits 999.9 appear in the period columns. The digits 999 appear in the period columns if the signal period recorded by a long-period instrument cannot be measured.

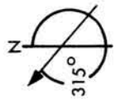
3.7 AMP

This column contains the amplitude of the phase given in millimicrons (mμ) or microns (μ) of ground displacement. All amplitudes are given in tenths of units. All amplitudes are corrected for instrument response and are

[1] Table 1 gives the instrument orientation of the horizontal seismometers.

Table 1. Bulletin site information

Site designator	Site location	Horizontal seismometer orientation (Azimuth from true north in degrees[1]) 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	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		
HW-IS	Hawaii Island	235	325	N	19	58	49	0.71	Basalt
				W	155	42	20		
JE-LA	Jena, Louisiana	112	202	N	31	47	05	0.05	Sandstone
				W	92	00	55		
NP-NT	Mould Bay, N. W. Territory	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		
MN-NV	Mina, Nevada	308	038	N	38	26	10	1.52	Limestone
				W	118	08	53		
AD-IS	Adak, Aleutian Islands	265	355	N	51	52	30	0.06	Basalt
				W	176	40	45		



[1]When earth moves in direction shown, trace moves up.

reported as one-half the peak-to-peak value. If the amplitude is reported in microns, a U appears in the column to the right of the tenths column. The column is left blank if the amplitude is reported in millimicrons. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 999.9 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. The distance is given to the nearest one-tenth of a 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.[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°

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

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 printout.

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 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 39 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	MN-	eP	03 32 32.0	SZ	0.3	1.6	.1	
		eS	32 36	SR	0.4	1.7		
1	MN-	eP	05 11 15.2	SZ	0.3	.7	.4	
		eS	11 18	SR	0.3	2.9		
1	HW-	e	06 45 30	LZ	30	344.6		
1	HW-	e	06 55 35	LZ	27	305.6		
1	HW-	e	07 03 57	LZ	23	378.5		
1	HW-	e	07 09 13	LZ	28	527.6		
1	HW-	eP	07 57 39.0	SZ	999.9	9999.9	.2	
		eS	57 43	ST	0.4	9999.9		
1	HW-	eL	07 57 50	LZ	35	976.8		
1	HW-	eL	08 03 25	LZ	27	458.4		
1	MN-	eP	10 27 19.8	SZ	0.3	1.7	3.3	
		eS	27 58	ST	0.5	1.5		
1	10 40 01.*		30.9 N 49.9 E WESTERN IRAN H= 42 KM					
1	MN-	eP	11 20 20.6	SZ	0.3	2.3	.9	
		eS	20 33	SR	0.4	4.5		
1	12 45 24.*		76.1 N 120.8 E LAPTEV SEA H= 33 KM MAG 4.30 CGS					
1	13 22 36.6		27.2 N 92.3 E INDIA CHINA BORDER REGION H= 33 KM MAG 5.70 CGS					
1	AD-	eP	13 33 43	LZ	13.	160.9	69.7	
		e	42 28	LZ	22	99.9		
		eL	55 40	LT	35	2123.7		
1	NP-	eP	13 34 16.8	SZ	1.2	64.1	74.9	5.46
		eL	14 01 15	LT	25	997.0		
		eL	05 10	LZ	30	1929.5		
1	RK-	eSKS	13 47 08	LR	13		102.1	
		eL	14 08 37	LR	23			
1	DH-	eSP	13 51 13	LZ	15	362.4	109.9	
		eL	14 20 45	LZ	30	446.5		
1	JE-	e	13 52 55	LZ	18	296.2	121.2	
		e	14 08 40	LZ	32	236.5		
		eL	27 13	LZ	32	551.9		
1	MN-	eP	13 51 05	LZ	16.	288.4		
1	MN-	e	14 13 40	LT	50	1587.2		
1	MN-	e	14 17 06	LT	28	794.8		
1	MN-	eL	14 23 40	LZ	19	195.8		
1	MN-	eLR	14 27 40	LZ	20	321.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	MN-	eP	15 31 58.5	SZ	0.4	1.7	4.6	
		e	32 06	SZ	0.5	6.2		
		e	32 19	SZ	0.4	2.5		
		eS	32 50	SR	0.4	6.8		
		e	32 53	SR	0.3	9999.9		
1	AD-	eP	15 48 12.2	SZ	0.3	162.7	1.1	
1	AD-	e	15 48 15	LT	25	577.5		
1	AD-	eS	15 48 27	ST	999.9	9999.9	1.1	
1	AD-	eL	15 48 43	LZ	19	614.3		
1	HW-	eP	16 39 29.2	SZ	0.6	87.1	.8	
		eS	39 40	ST	0.4	9999.9		
1	17 16 40.4		51.2 N 170.6 W FOX ALEUTIAN ISLANDS H= 25 KM MAG 5.50 CGS					
1	AD-	iP	17 17 39.3C	SZ	999.9	9999.9	3.9	
		eP	17 40	LZ	20	515.9		
		eS	18 19	ST	999.9	9999.9		
		eS	18 25	LT	23	9999.9		
1	NP-	eP	17 23 07.5	SZ	0.3	9999.9	31.9	
		e	23 23	SZ	0.3	9999.9		
		ePCP	26 05	SZ	1.0	29.7		
		eL	36 30	LZ	22	635.6		
1	MN-	eP	17 24 03.9	SZ	1.3	28.8	38.5	4.86
		ePCP	26 15	SZ	1.0	16.6		
		eLQ	33 10	LT	23	558.5		
		eLR	35 38	LZ	25	562.2		
1	RK-	eP	17 25 05.3	SZ	0.9	72.8	46.3	5.68
		e	25 09	SZ	0.7	21.7		
		e	25 26	SZ	0.6	24.3		
		e	25 38	SZ	0.8	21.5		
		e	28 55	LR	30			
		eLQ	35 42	LR	18			
		eLR	38 20	LR	23			
1	LC-	eP	17 25 32.2	SZ	1.2	122.0	49.6	5.74
		e	25 50	SZ	1.1	40.0		
		e	26 34	SZ	1.3	18.4		
1	DH-	eP	17 26 58.5	SZ	1.0	97.3	61.7	5.92
		eLQ	39 45	LT	30	485.7		
		eLR	48 50	LT	25	260.4		
1	HW-	e	17 28 48	LZ	23	312.2	33.3	
		eL	32 35	LZ	23	615.0		
1	JE-	eL	17 48 07	LZ	13	189.0	59.1	
							AVG.	5.55
1	DH-	eP	18 21 48.7	SZ	0.3	15.8	2.0	
		eS	22 14	SR	0.4	46.1		
1	MN-	eP	18 44 24.0	SZ	0.2	3.5	.5	
		eS	44 32	SR	0.5	3.7		
1	LC-	eP	19 03 31.4	SZ	0.3	1.2	.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	03 35	ST	999.9	9999.9		
1	LC-	eP	19 40 56.8	SZ	0.2	15.4	1.3	
		eS	41 15	SZ	0.3	9999.9		
1	DH-	eP	19 45 48.6	SZ	0.4	12.2	.9	
		eS	46 01	SR	0.5	23.5		
1	19 49 14.*		36.7 N 121.9 W CENTRAL CALIFORNIA					
			H= 14 KM MAG 4.10 CGS					
1	MN-	eP	19 50 10.7	SZ	0.5	1.2	3.4	3.20
1	LC-	eP	19 56 50.5	SZ	0.4	8.7	1.4	
		eS	57 09	SR	0.4	5.9		
1	LC-	eP	20 40 28.6	SZ	0.3	3.8	2.4	
		e	40 33	SZ	0.2	9.7		
		eS	40 59	ST	0.5	9999.9		
		e	41 05	ST	0.5	9999.9		
		e	41 34	ST	0.5	5.6		
1	20 48 39.*		57.2 S 147.1 E WEST OF MACQUARIE ISLAND					
			H= 33 KM					
1	MN-	e	21 29 06	LZ	29.	233.8	123.7	
		eL	49 22	LZ	35	872.9		
1	AD-	eL	21 40 26	LZ	32	167.8	112.7	
1	RK-	eP	21 09 05.6	SZ	0.2	1.1	1.9	
		eS	09 34	SR	0.4	5.5		
1	HW-	e	21 10 40	SZ	0.7	41.4		
1	RK-	eP	21 32 26.0	SZ	0.3	1.7	2.0	
		eS	32 52	SR	0.3	12.4		
1	MN-	eP	22 29 29.2	SZ	0.3	2.3	2.2	
		eS	29 57	SR	0.5	2.7		
1	MN-	eP	22 34 28.0	SZ	0.5	2.2	3.1	
		eS	35 07	SR	0.4	3.6		
2	MN-	eP	11 07 52.4	SZ	0.4	3.4	1.6	
		eS	08 14	ST	0.3	9.0		
2	HW-	eP	12 58 23.5	SZ	0.5	44.9	1.0	
		eS	58 38	SR	0.6	87.1		
		eP	14 03 40.3	SZ	0.4	68.4		
		eS	03 54	SR	0.5	113.2		
2	15 19 07.3		7.1 N 78.5 W PANAMA					
			H= 33 KM MAG 4.30 CGS					
2	RK-	eP	15 27 24.9	SZ	0.7	8.3	45.4	4.75

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	MN-	eP	15 54 39.2	SZ	0.8	1.5		
2	AD-	eP	16 17 55.9	SZ	0.2	9.6	5.9	
		eS	19 05	SR	0.2	20.9		
2	MN-	eP	16 20 06.0	SZ	0.5	3.1	2.5	
		eS	20 38	SR	0.7	4.0		
2	RK-	eP	16 36 38.3	SZ	1.7	140.2		
2	17 50 04.		8. N 72.8 W NORTHERN COLOMBIA					
			H= 33 KM MAG 4.10 CGS					
2	LC-	eP	17 57 35.9	SZ	1.0	11.4	39.7	4.53
2	18 12 22.9		7.8 N 73.3 W NORTHERN COLOMBIA					
			H=112 KM MAG 4.80 CGS					
2	LC-	eP	18 19 45.7	SZ	0.9	30.7	39.4	5.15
2	RK-	eP	18 20 36.0	SZ	0.5	9.9	46.1	4.85
		eL	39 50	LT	21			
2	MN-	eP	18 21 13.8	SZ	0.6	2.7	50.6	4.37
		eL	37 40	LZ	40	376.8		
2	NP-	eP	18 23 40.0	SZ	0.6	13.5	72.8	4.94
		eL	47 03	LR	33	1317.2		
2	JE-	eL	18 25 03	LZ	23	270.7	29.6	
2	DH-	eL	18 27 00	LZ	31	723.8	34.3	
							AVG.	4.82
2	AD-	eP	18 45 28.3	SZ	0.2	48.1	1.9	
		eS	45 54	SR	0.2	156.9		
2	LC-	eP	18 49 36.9	SZ	0.7	1.4		
2	LC-	eP	21 05 56.1	SZ	0.4	1.6	2.9	
		eS	06 33	SR	0.4	4.6		
2	21 32 39.6		18.6 S 169.4 E NEW HEBRIDES ISLANDS					
			H=218 KM MAG 4.90 CGS					
2	LC-	eP	21 40 44.7	SZ	999.9	9999.9	1.4	
		eS	41 04	SR	999.9	9999.9		
2	AD-	eP	23 11 13.4	SZ	0.2	202.0	.1	
		eS	11 16	SR	0.2	245.9		
3	MN-	eP	01 08 12.6D	SZ	0.2	7.9	1.0	
		eS	08 26	ST	0.5	6.8		
3	01 55 32.*		12.2 N 87.0 W NEAR COAST OF NICARAGUA					
			H=108 KM MAG 4.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	02 45 07.2		59.5 N 144.8 W GULF OF ALASKA					
			H= 19 KM MAG 4.20 CGS					
3	MN-	eP	02 50 51.0	SZ	1.0	3.3	27.1	3.99
3	JE-	eL	03 10 40	LR	14	641.2	44.5	
3	04 16 19.*		8. N 72.6 W VENEZUELA					
			H= 82 KM MAG 3.70 CGS					
3	05 31 15.		50.5 N 129.5 W VANCOUVER ISLAND REGION					
			H= 29 KM MAG 5.00 CGS					
3	MN-	eP	05 34 41.0	SZ	1.6	80.4	14.5	5.02
		eP	34 41	LZ	15	106.7		
		eS	37 30	LT	17	787.2		
		eL	38 10	LT	22	1649.4		
3	RK-	eP	05 36 16.5	SZ	1.0	31.8	22.6	4.72
		epP	36 23	SZ	1.1	75.6		
		eL	43 09	ST	2.5	139.1		
3	LC-	eP	05 36 35	LZ	21	33.8	24.8	
		eP	36 36	SZ	1.1	17.9		4.60
		eS	40 55	LR	15	305.2		
		eLQ	43 20	LR	35	459.1		
		eLR	44 55	LR	30	892.5		
3	NP-	eP	05 36 49.0	SZ	0.9	16.1	26.2	4.64
		eL	45 00	LT	15	2456.1		
3	JE-	eP	05 37 55.0	SZ	1.0	43.7	33.4	5.31
		eSCP	43 50	LZ	25	278.6		
		eL	49 00	LT	25	838.1		
		eL	51 25	LT	15	2231.5		
		eL	51 25	LZ	20	187.4		
		eL	51 25	LR	18	496.7		
3	AD-	eL	05 44 45	LZ	26	768.3	29.2	
3	DH-	eLQ	05 50 00	LR	27	1851.7	37.8	
		eLR	53 10	LZ	16	3425.2		
							AVG.	4.85
3	08 25 47.*		53.2 N 162.4 E OFF EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.50 CGS					
3	10 06 55.9		30.9 S 68.4 W SAN JUAN PROVINCE, ARGENTINA					
			H=113 KM MAG 5.10 CGS					
3	LC-	eP	10 18 13.0	SZ	1.0	41.6	72.6	5.21
		eP	18 15	LZ	20	34.5		
		e	18 24	SZ	1.0	9.6		
		e	18 42	SZ	0.7	6.7		
		epP	18 47	SZ	1.0	9.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	27 30	LR	18.	115.7		
		epPPS	29 10	LR	20	174.7		
		esSSS	36 15	LR	25	122.5		
		eL	47 20	LZ	30	90.3		
3	MN-	eP	10 19 11.0	SZ	1.0	10.8	83.1	4.71
		e	19 40	SZ	2.0	46.8		
3	RK-	iP	10 19 17.1D	SZ	1.0	66.1	84.4	5.49
		epP	19 46	SZ	0.6	5.1		
							AVG.	5.13
3	10 23 47.8		10.4 S 160.5 E SOLOMON ISLANDS					
			H= 57 KM MAG 4.90 CGS					
3	AD-	e	10 36 20	LZ	18.	192.2		
3	HW-	eL	10 37 10	LZ	25	383.4		
3	AD-	eL	10 45 45	LZ	28	491.5		
3	MN-	eL	10 54 15	LZ	30	219.1		
3	11 23 03.*		28.4 S 177.1 W KERMADEC ISLANDS					
			H=312 KM MAG 3.90 CGS					
3	LC-	ePKKP	11 53 00	SZ	1.5	14.2	90.2	
3	11 36 23.8		6.8 N 73.4 W NORTHERN COLOMBIA					
			H=173 KM MAG 4.80 CGS					
3	LC-	eP	11 43 45.0	SZ	0.9	10.4	40.0	4.45
		e	44 36	SZ	1.0	7.7		
3	MN-	eL	12 05 10	LZ	20	74.5	51.2	
3	11 48 36.1		43.5 N 127.1 W OFF COAST OF OREGON					
			H= 33 KM MAG 4.40 CGS					
3	MN-	eP	11 50 40.0	SZ	0.7	1.2	8.5	4.15
		eL	52 30	LT	19	741.1		
3	NP-	eP	11 55 10.0	SZ	0.5	6.4	33.0	4.78
3	LC-	eL	11 59 33	LR	15	183.1	19.5	
							AVG.	4.46
3	12 32 00.6		59.4 N 145.2 W GULF OF ALASKA					
			H= 35 KM MAG 4.40 CGS					
3	NP-	eP	12 36 23.0	SZ	0.7	4.4	19.2	3.84
3	MN-	eP	12 37 43.5	SZ	1.5	9.8	27.2	4.27
		eL	44 35	LT	25	153.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	AD=	eL	12 44 22	LZ	20.	3033.3	19.1	
3	LC=	eL	12 52 30	LR	17	99.1	37.2	
3	JE=	eL	12 55 30	LT	15	318.7	44.6	
							AVG.	4.05
3	AD=	eP	12 36 08.3	SZ	0.2	9999.9		
3	AD=	eL	12 36 16	LZ	30	832.5		
3	12 57 22.3		17.9 S 178.0 W FIJI ISLANDS REGION H=567 KM					
3	MN=	eP	13 57 59.0	SZ	999.9	9999.9	4.3	
		eS	58 39	SR	0.7	5.7		
3	DH=	eP	15 06 17.5	SZ	0.3	12.6	1.7	
		eS	06 41	SR	0.2	55.1		
3	15 36 46.*		30.5 S 177.4 W KERMADEC ISLANDS REGION H= 32 KM MAG 4.40 CGS					
3	HW=	eP	15 46 39.0	SZ	0.5	78.6	1.9	
		eS	47 05	ST	0.5	134.7		
3	DH=	eP	15 51 22.5	SZ	0.4	12.2	1.7	
		eS	51 45	SR	0.3	44.5		
3	AD=	eP	16 35 20.7	SZ	0.2	42.8	1.5	
		eS	35 39	SR	0.2	126.3		
3	16 58 55.4		15.2 S 173.5 W TONGA ISLANDS H= 33 KM MAG 5.10 CGS					
3	MN=	eP	17 10 32.5	SZ	1.0	25.8	74.3	5.15
		eL	32 25	LZ	25	923.1		
		eL	34 25	LZ	25	978.5		
		eL	34 25	LR	24	769.6		
		eL	34 25	LT	25	345.1		
3	LC=	eP	17 11 12.5	SZ	1.0	24.2	79.5	5.08
		eP	11 13	LZ	22	37.2		
		eS	21 05	LR	20	166.2		
		e	24 10	LR	15	103.7		
		eL	35 00	LZ	26	599.1		
3	HW=	eL	17 16 45	LR	25	1600.4	39.1	
3	AD=	e	17 16 55	LZ	17	293.8	66.8	
		e	21 10	LZ	15	434.4		
		eL	29 18	LZ	27	659.1		
3	JE=	eL	17 40 00	LT	45	1514.8	90.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	NP=	eL	17 44 20	LZ	40.	866.0	96.8	
							AVG.	5.11
3	DH=	eP	17 06 17.5	SZ	0.3	6.3	1.7	
		eS	06 41	ST	0.5	27.3		
3	DH=	eP	17 21 16.0	SZ	0.5	26.7	1.8	
		eS	21 41	SR	0.4	43.0		
3	LC=	eP	17 24 05.0	SZ	0.6	1.6	1.8	
		eS	24 29	SR	0.5	3.2		
3	17 38 11.*		19.6 N 109.1 W REVILLA GIGEDO ISLANDS REG. H= 33 KM MAG 4.70 CGS					
3	LC=	eP	17 41 15.0	SZ	1.5	42.7	12.9	5.23
		eLQ	43 55	LR	999	9999.9		
		eLR	45 10	LZ	30	9999.9		
3	MN=	eP	17 42 46.5	SZ	1.2	16.6	20.3	4.20
		eSS	46 50	LT	16	442.6		
		eL	47 40	LT	28	627.0		
3	NP=	eP	17 47 53.5	SZ	1.2	9.2	56.9	4.69
							AVG.	4.70
3	18 59 07.*		59.8 N 149.7 W KENAI PENINSULA, ALASKA H= 33 KM MAG 4.10 CGS					
3	NP=	eP	19 03 35.5	SZ	0.6	3.8	19.6	3.84
3	DH=	eP	19 34 59.5	SZ	0.5	3.3	1.9	
		eS	35 25	SR	0.5	47.0		
3	DH=	eP	20 12 25.0	SZ	0.2	12.6	.7	
		eS	12 36	SR	0.4	27.6		
3	LC=	eP	20 29 11.0	SZ	0.2	9999.9	1.4	
		eS	29 31	SR	0.5	14.5		
3	LC=	eP	20 36 11.5	SZ	0.2	19.3	1.3	
		eS	36 29	SR	0.2	16.4		
3	21 04 13.3		59.7 N 144.0 W GULF OF ALASKA H= 33 KM MAG 4.50 CGS					
3	NP=	eP	21 08 32.0	SZ	0.6	10.2	18.7	4.23
		eL	15 10	LT	15	491.2		
3	AD=	eL	21 12 35	LZ	25	175.3	19.8	
3	MN=	eL	21 16 45	LT	22	412.3	26.9	
3	JE=	eS	21 18 35	LT	25	794.0	44.1	
3	LC=	eL	21 20 48	SZ	5.5	6948.2	36.8	
3	21 14 43.*		24.6 N 108.6 W GULF OF CALIFORNIA H= 33 KM MAG 5.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	LC-	eP	21 16 39.0	SZ	0.5	4.7	8.0	4.78
		ePP	16 40	LZ	25	456.6		
		e	16 45	SZ	0.5	10.6		
		eL	18 25	LR	999	9999.9		
		eL	19 04	SR	0.6	9999.9		
3	MN-	eP	21 18 27.6	SZ	1.0	34.1	16.0	4.47
		e	19 16	SZ	1.5	85.7		
		eSS	21 45	LT	24	2264.6		
		eL	22 30	LT	21	9999.9		
		eL	23 55	ST	10.0	3557.3		
3	RK-	eP	21 20 43.0	SZ	1.3	75.4	28.6	5.30
		eL	29 56	ST	3.0	754.6		
3	DH-	eP	21 21 14.0	SZ	0.6	11.1	32.9	4.93
		eLQ	30 05	LR	40	2918.0		
		eLR	33 00	LZ	25	2848.5		
3	NP-	eP	21 23 48.5	SZ	0.5	3.2	52.0	4.54
		e	23 54	SZ	0.7	37.2		
		eL	42 30	LT	16	1162.5		
3	HW-	eL	21 34 20	LR	26	2078.9	43.7	
							AVG.	4.80
3	JE-	e	21 20 10	LT	30.	1413.8		
3	JE-	eLQ	21 23 35	LT	25	9999.9		
3	JE-	eLR	21 25 20	LZ	18	9999.9		
3	MN-	eP	22 00 57.5	SZ	0.4	3.1	1.0	
		eS	01 12	SR	0.2	4.3		

3 22 19 23.1 6.4 S 128.5 E BANDA SEA
H=218 KM

3	MN-	eP	23 02 12.5	SZ	0.4	1.7	1.3	
		eS	02 31	ST	0.5	2.4		

3 23 41 56.2 24.2 N 108.8 W GULF OF CALIFORNIA
H= 15 KM MAG 4.60 CGS

3	LC-	eP	23 43 59.5	SZ	0.5	1.0	8.4	4.33
		ePP	44 05	SZ	0.5	2.1		
		eP	44 30	LZ	23	107.8		
		eL	46 26	LZ	999	9999.9		
		e	46 30	SZ	1.9	134.5		
		eL	47 45	SZ	6.0	3148.9		
3	MN-	eP	23 45 47.5	SZ	1.1	24.6	16.3	4.27
		eSS	49 05	LT	23	506.0		
		eL	49 50	LT	25	1054.5		
		eL	51 22	SZ	1.1	6.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	JE-	eLQ	23 50 50	LT	20.	3160.5	16.6	
		eLR	52 30	LZ	18	984.2		
3	DH-	eL	23 58 10	LT	35	846.5	33.3	
4	NP-	eL	00 10 14	LT	16	290.6	52.4	
							AVG.	4.30

4 00 08 51. 5.5 S 130.4 E BANDA SEA
H= 99 KM

4 01 16 30.* 19.3 N 109.1 W REVILLA GIGEDO ISLANDS REG.
H= 33 KM MAG 3.60 CGS

4 01 25 44.* 4.5 S 153.5 E NEW IRELAND REGION
H=167 KM MAG 5.60 CGS

4 02 13 13.* 19.1 N 107.0 W OFF COAST OF JALISCO, MEXICO
H= 33 KM MAG 4.00 CGS

4 03 28 33.1 7.6 N 36.9 W CENTRAL MID ATLANTIC RIDGE
H= 22 KM MAG 5.40 CGS

4	NP-	eP	03 40 47.5	SZ	1.1	83.1	80.9	5.63
		eL	04 07 30	LT	28	568.1		
4	AD-	ePP	03 47 25	LZ	15	177.4	111.5	
		e	04 04 40	LZ	22	120.0		
		eLR	26 35	LZ	25	466.5		

4 03 39 36.7 39.8 N 40.3 E TURKEY
H= 33 KM MAG 5.00 CGS

4	NP-	eP	03 50 07.2	SZ	0.9	10.6	63.5	4.94

4 04 10 56.* 59.2 N 138.1 W SOUTHEASTERN ALASKA
H= 33 KM MAG 3.80 CGS

4 08 12 45.* 52.4 N 158.6 E NEAR EAST COAST OF KAMCHATKA
H= 70 KM MAG 4.50 CGS

4 09 03 00.6 28.5 S 70.3 W CENTRAL CHILE
H= 44 KM MAG 4.70 CGS

4	LC-	eP	09 14 07.6	SZ	0.9	11.1	69.7	4.88

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	38 10	LZ	24.	89.1		
4	RK-	eP	09 15 16.8	SZ	0.8	10.0	81.6	4.84
							AVG.	4.86
4	09 20 36.1		24.5 N 108.7 W GULF OF CALIFORNIA					
			H= 33 KM MAG 4.10 CGS					
4	LC-	eP	09 22 33.2	SZ	0.5	.9	8.1	4.10
		eLQ	24 54	LR	17	133.4		
		eL	24 56	SR	1.4	18.7		
		eLR	26 06	LZ	9	1601.3		
4	RK-	eP	09 26 31.6	SZ	1.0	14.5	28.7	4.70
4	DH-	eP	09 27 14.0	SZ	0.7	16.0	33.0	5.03
4	MN-	eL	09 28 20	LT	22	119.4	16.0	
4	NP-	eP	09 29 41.7	SZ	0.6	4.4	52.1	4.61
		e	29 47	SZ	0.9	9.3		
							AVG.	4.61
4	09 36 58.7		18.3 S 69.0 W NORTHERN CHILE					
			H=101 KM MAG 5.40 CGS					
4	LC-	eP	09 47 09.4	SZ	0.8	8.0	61.9	4.80
4	RK-	eP	09 48 13.8	SZ	0.7	24.1	72.2	5.14
		e	56 04	SR	2.0	42.0		
							AVG.	4.97
4	09 50 06.6		24.2 N 108.6 W GULF OF CALIFORNIA					
			H= 33 KM MAG 4.60 CGS					
4	LC-	eP	09 52 08.2	SZ	0.5	1.0	8.4	4.22
		eLQ	54 21	LR	999	9999.9		
		eL	54 42	SR	2.5	332.6		
		eLR	55 08	LZ	999	9999.9		
4	JE-	eP	09 54 00.2	SZ	1.2	33.6	16.5	4.38
		eLQ	59 09	LT	20	9999.9		
		eLR	10 00 48	LZ	18	2134.9		
4	MN-	eP	09 54 02	LZ	14	408.6	16.4	
		eP	54 04	SZ	1.5	3.9		3.35
		eSS	57 11	LT	23	832.1		
		eSSS	57 58	LT	24	1706.7		
		eLQ	59 40	LT	22	2600.3		
		eLR	10 00 40	LZ	16	9999.9		
4	DH-	eP	09 56 42.6	SZ	0.9	15.1	33.2	4.89
		eL	10 07 09	LT	20	1457.2		
4	NP-	eP	09 59 16.9	SZ	1.0	11.9	52.4	4.81

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	59 29	SZ	1.0	27.8		
		eL	10 17 00	LT	22	332.2		
4	HW-	e	10 04 45	LZ	20	236.7	43.7	
		eL	09 54	LZ	28	1023.0		
4	RK-	eL	10 05 55	LT	15	1111.9	29.0	
4	AD-	eLR	10 17 02	LZ	30	612.1	57.9	
							AVG.	4.33
4	09 55 16.*		23.4 N 108.8 W GULF OF CALIFORNIA					
			H= 33 KM MAG 4.40 CGS					
4	LC-	eLQ	09 59 44	LR	999.	9999.9	9.2	
		eL	59 46	SZ	0.4	2.0		
		eLR	10 00 42	LZ	9	9999.9		
4	10 34 13.1		4. S 131.4 E WEST NEW GUINEA REGION					
			H= 33 KM MAG 5.90 CGS					
4	AD-	eP	10 45 35.0	SZ	1.0	151.5	70.9	5.98
		eP	45 36	LZ	20	1015.9		
		e	54 40	LZ	16	1511.8		
		ePPS	55 35	LT	27	4905.0		
		eLQ	11 03 15	LR	36	10.1U		
		eLR	08 30	LZ	26	9999.9U		
4	HW-	eP	10 46 05.3	SZ	1.0	158.7	75.4	5.96
		eP	46 06	LZ	17	701.7		
		eS	55 36	LR	20	1332.9		
		ePPS	56 43	LR	22	3350.3		
		ePKKP	11 04 46	LZ	23	1203.9		
		eLQ	07 22	LR	24	2882.7		
		eLR	10 02	LZ	27	6727.9		
		eL	11 21	LR	26	7199.2		
		eL	11 21	LT	26	2647.5		
4	NP-	eP	10 47 48.4	SZ	1.4	64.4	98.4	6.11
		eSKS	58 23	LT	22	1218.3		
		ePS	11 00 32	LT	21	1903.2		
		eSPP	01 09	LZ	20	963.2		
		e	06 54	LT	27	2647.1		
		eLQ	17 15	LR	28	4648.4		
		eLR	25 24	LZ	25	3818.3		
4	LC-	ePD	10 49 35	LZ	22	74.9	119.0	
		e	52 43	LR	20	113.3		
		eP'	53 01	SZ	1.2	1.4		
		ePP	54 21	LZ	24	370.2		
		eSKS	11 00 07	LR	31	319.3		
		ePKKP	03 03	LZ	27	284.4		
		eSP	04 10	LZ	999	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePPCS	11 20	LR	999.	9999.9		
		eSSS	14 44	LR	29	9999.9		
		eLR	32 50	LZ	999	9999.9		
4	RK-	eP	10 53 00.6	SZ	0.4	20.0	120.0	
		eSKS	11 00 00	LT	22	783.4		
		eSKKS	01 27	LT	21	1045.4		
		e	04 16	LT	20	2167.3		
		ePKKS	07 24	LT	20	1811.5		
		e	11 44	LT	34	9999.9		
		eLQ	26 45	LT	26	2294.3		
		eLR	40 00	LT	22	2789.2		
4	MN-	ePP	10 53 10	LZ	23	360.9	108.5	
		eSKS	59 23	LR	22	998.6		
		ePS	11 02 28	LR	24	2212.0		
		ePKKS	07 39	LR	27	1255.7		
		ePSS	09 00	LR	34	4391.9		
		e	12 04	LR	23	1617.7		
		eLQ	19 22	LR	27	2408.2		
		eLR	25 30	LZ	27	9999.9		
4	JE-	eP	10 53 25.4	SZ	1.0	43.7	130.8	
		eSKP	56 49	LZ	22	1767.9		
		eSKP	56 50	SZ	2.9	1663.3		
		eSKKS	11 02 34	LR	15	1632.0		
		eSP	05 48	LZ	26	829.7		
		eSPP	07 33	LZ	24	1084.0		
		eSCSP	08 37	LZ	19	1180.9		
		eSS	13 13	LT	24	1272.1		
		eSKPP	15 03	LZ	21	1088.3		
		e	15 36	LR	20	2977.0		
		e	18 37	LR	24	1722.3		
		e	30 17	LT	26	1510.1		
		eLQ	34 02	LT	23	1732.7		
		eLR	37 47	LZ	29	3630.4		
4	DH-	eSKP	10 57 06	LZ	24	1391.9	135.3	
		eSPP	11 08 14	LZ	18	813.8		
		e	16 10	LT	23	1719.9		
		e	30 19	LR	31	1946.7		
		eLQ	34 33	LR	32	3516.4		
		eLR	38 52	LZ	28	1788.4		
							AVG.	6.01
4	AD-	eP	10 35 16.2	SZ	0.2	28.8	.5	
		eS	35 24	SR	0.2	9999.9		
4	RK-	eP	11 03 11.3	SZ	1.0	19.4		
4	LC-	eP	11 03 19.8	SZ	1.1	21.9		
4	LC-	e	11 07 20	SZ	1.3	9.2		

4 11 39 24. 17.6 S 168.6 E NEW HEBRIDES ISLANDS
H= 33 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	LC-	eL	12 41 47	LZ	999.	9999.9		
4	MN-	eL	12 43 18	LZ	21	671.4		
4	AD-	eL	12 55 00	LZ	25	368.3		
4	HW-	eL	13 06 08	LZ	22	286.6		
4	14 50 34.*		24.3 S 179.1 E SOUTH OF FIJI ISLANDS H=548 KM					
4	16 10 53.		4. S 131.5 E WEST NEW GUINEA REGION H= 37 KM MAG 4.70 CGS					
4	LC-	eLR	17 18 19	LZ	20.	66.3	118.9	
4	17 10 28.4		3.9 S 131.5 E WEST NEW GUINEA REGION H= 33 KM MAG 4.80 CGS					
4	AD-	eLQ	17 40 00	LR	35.	502.5	70.8	
		eLR	44 40	LZ	28	401.5		
4	HW-	eLR	17 46 38	LZ	22	286.6	75.2	
4	MN-	eL	18 01 05	LZ	27	163.2	108.3	
4	LC-	eLR	18 09 05	LZ	25	69.3	118.8	
4	17 21 14.*		7.9 N 103.5 W OFF COAST OF MEXICO H= 21 KM MAG 4.20 CGS					
4	RK-	eP	17 29 16.8	SZ	0.7	7.7	43.6	4.54
4	LC-	eS	17 31 12	LR	19	124.7	24.5	
		eL	32 24	LR	23	370.6		
4	MN-	eL	17 35 44	LT	29	447.1	33.2	
4	LC-	eP	17 39 35.0	SZ	0.9	4.7		
4	DH-	eP	18 30 55.7	SZ	0.2	7.6	1.8	
		eS	31 20	SR	0.2	21.2		
4	MN-	eP	18 35 35.9	SZ	0.7	.4	2.6	
		eS	36 09	ST	0.7	9		
4	18 37 32.6		51.7 N 174.7 E ALEUTIAN NEAR ISLANDS H= 33 KM MAG 4.40 CGS					
4	AD-	eP	18 38 53.5	SZ	0.3	10.8	5.4	4.88
		eS	39 40	SR	0.4	42.2		
4	DH-	eP	18 48 29.4	SZ	0.4	12.3	1.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	48 54	SR	0.3	15.9		
4	LC=	eP	18 53 16.5	SZ	0.9	2.9		
4	RK=	eP	19 14 53.5	SZ	0.2	6.9	4.1	
		eS	15 43	SR	999.9	9999.9		
4	20 20 24.8		37.4 N 118.6 W CALIF. NEVADA BORDER REGION					
			H= 14 KM MAG 4.10 CGS					
4	MN=	eP	20 20 44.1	SZ	0.3	3.5	1.1	
		eS	20 55	ST	0.6	10.6		
4	LC=	eP	20 48 15.4	SZ	0.2	20.2	1.5	
		eS	48 35	SR	0.3	10.3		
4	AD=	eP	23 37 11.2	SZ	0.4	208.9	.1	
		eS	37 15	SR	0.4	140.7		
5	02 09 21.4		24.4 S 68.2 W CHILE ARGENTINA BORDER REG.					
			H= 64 KM MAG 4.90 CGS					
5	LC=	eP	02 20 11.0	SZ	0.7	9.1	67.3	4.90
		ePCP	20 49	SZ	1.0	18.3		
5	MN=	eP	02 21 14.5	SZ	1.1	9.4	78.1	4.64
		e	21 53	SZ	1.0	5.1		
							AVG.	4.77
5	02 17 14.4		32.2 S 179.5 E SOUTH OF KERMADEC ISLANDS					
			H=397 KM MAG 4.60 CGS					
5	HW=	eP	02 26 22.0	SZ	0.6	66.4	57.1	5.24
5	AD=	eP	02 28 59.5	SZ	0.8	76.7	83.8	5.49
5	LC=	eP	02 29 52.5	SZ	1.0	2.9	94.8	4.34
5	MN=	eP	02 30 35.2	SZ	0.9	11.8	91.1	4.82
		e	31 13	SZ	1.0	2.5		
							AVG.	4.97
5	MN=	eP	02 19 46.9	SZ	1.0	6.8		
5	AD=	iP	02 46 14.2C	SZ	0.3	181.7	.7	
		eS	46 24	ST	0.3	9999.9		
5	02 53 50.6		5.8 S 154.0 E SOLOMON ISLANDS					
			H= 69 KM MAG 6.40 CGS					
5	HW=	eP	03 03 21.5	SZ	0.8	117.4	55.7	5.97

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		iP	03 22 C	LZ	24.	3947.9		
		eS	11 20	LR	22	13.2U		
		e	15 23	LZ	25	5615.3		
		eLQ	17 30	LR	26	9278.8		
		eLR	19 05	LZ	999	9999.9		
5	AD=	eP	03 04 10.0	SZ	1.0	199.6	62.7	6.09
		eP	04 11	LZ	22	2412.7		
		eSP	12 44	LZ	24	2934.4		
		eSS	17 08	LZ	30	9999.9		
		eLQ	20 00	LT	999	9999.9		
		eLR	21 53	LZ	999	9999.9		
5	MN=	iP	03 06 52.8C	SZ	1.2	71.0	91.9	5.87
		eP	06 55	LZ	23	2375.0		
		epP	07 12	SZ	1.0	75.2		
		e	07 31	SZ	1.0	74.3		
		ePP	10 29	SZ	3.5	693.2		
		ePP	10 40	LZ	24	1700.5		
		epPP	10 56	SZ	2.0	224.3		
		eSKS	16 53	LR	25	980.6		
		eS	17 56	LR	30	3322.3		
		ePS	19 24	SR	3.5	266.8		
		ePPS	19 30	LR	999	9999.9		
		eSSP	24 13	SZ	0.7	2.1		
		eSS	24 26	LR	20	4123.0		
		e	24 51	SZ	1.5	12.5		
		eLQ	31 35	LR	999	9999.9		
		e	32 19	SZ	1.3	9.8		
		eP.P.	32 31	SZ	1.4	14.2		
		eL	35 37	SR	3.3	316.2		
		eLR	35 55	LZ	999	9999.9		
		e	35 59	SR	3.2	269.0		
		e	36 21	SR	3.4	172.0		
		e	04 06 41	SZ	0.6	3		
5	NP=	eP	03 07 05.0	SZ	1.3	12.4	94.8	5.17
		eP	07 08	LZ	21	1606.3		
		e	07 17	SZ	1.4	71.2		
		e	10 13	SZ	2.0	231.9		
		ePP	10 58	LZ	22	1059.4		
		eS	18 17	LR	30	5325.4		
		ePS	19 50	LR	24	3729.1		
		eSS	24 30	LT	30	5391.1		
		e	28 30	LZ	40	6857.5		
		eLQ	33 22	LR	43	24.5U		
		eLR	38 20	LZ	30	10.2U		
5	LC=	eP	03 07 40.0	SZ	0.8	1.7	101.0	4.70
		eP	07 40	LZ	999	9999.9		
		epP	07 59	SZ	1.5	51.2		
		e	10 44	SZ	1.5	19.9		
		ePP	11 44	LZ	999	9999.9		
		epPP	12 08	SZ	2.4	116.5		
		e	12 50	SZ	2.2	97.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	18 32	LR	25.	807.4		
		eSP	20 35	LZ	999	9999.9		
		ePKKP	23 40	SZ	1.2	2.9		
		e	24 22	SZ	2.0	48.3		
		e	26 35	LR	999	9999.9		
		eP'P'	32 03	SZ	1.3	5.5		
		e	32 16	SZ	1.4	16.1		
		eL	34 00	LZ	999	9999.9		
		eL	46 35	SZ	20.0	19.1U		
		e	04 08 14	SZ	0.7	9		
5	RK-	e	03 07 52	LR	22	508.5	108.5	
		e	12 37	LT	24	762.2		
		ePP	12 39	SZ	1.6	82.8		
		ePPP	15 04	SZ	2.6	199.8		
		eSKS	18 55	LT	20	976.7		
		ePS	22 05	LT	27	4329.7		
		e	23 25	LT	22	6387.3		
		ePKKP	23 35	SZ	1.3	18.4		
		eSS	27 53	LT	18	5305.3		
		eSSS	32 04	LR	40	9379.2		
		eL	39 05	LR	40	9999.9		
5	JE-	ePD	03 08 30	LZ	23	769.4	113.4	
		ePP	13 03	SZ	1.2	33.6		
		ePP	13 17	LZ	25	2186.4		
		ePPP	15 52	LZ	20	882.4		
		eS	21 03	LR	23	1337.7		
		e	23 15	LR	23	10.1U		
		ePKKP	23 16	SZ	1.5	96.5		
		e	24 29	LR	18	7071.6		
		e	29 50	LR	40	9577.0		
		e	33 48	LR	32	6031.2		
		e	37 10	LZ	28	9999.9		
		eL	40 32	LZ	24	3902.4		
		eLR	46 42	LZ	999	9999.9		
5	DH-	ePSP	03 25 55	LZ	25	2757.6	123.6	
		e	32 10	LR	38	12.7U		
		eSSS	36 00	LR	40	12.7U		
		e	40 33	LZ	27	2976.7		
		eLQ	46 30	LT	35	4971.6		
		eLR	51 33	LZ	36	11.6U		
							AVG.	5.56
5	MN-	eP	02 58 19.6	SZ	0.2	4.0	2.7	
		eS	58 54	SR	0.2	3.9		
5	MN-	eP	04 02 26.7	SZ	0.3	14.0	.9	
		eS	02 39	ST	0.4	15.3		

5 04 09 51.6 6. S 153.8 E NEW BRITAIN REGION
H= 81 KM MAG 4.80 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	MN-	eP	04 22 53.0	SZ	0.9	1.9	92.2	4.44
5	MN-	eP	04 26 08.3	SZ	0.2	1.2	1.0	
		eS	26 21	SR	0.2	2.3		

5 04 35 25.* 1.1 N 77.5 W COLOMBIA
H= 33 KM MAG 4.40 CGS

5	LC-	eP	04 43 10.0	SZ	0.7	.4	41.5	3.37
5	MN-	eL	05 09 00	LZ	26	2355.2	52.6	
5	AD-	eL	05 20 00	LZ	27	720.1	94.8	
5	AD-	eP	05 54 18.4	SZ	0.4	134.2	.7	
		eS	54 27	ST	0.4	105.9		
5	AD-	eL	06 24 38	LZ	27	488.6		
5	MN-	eP	06 34 49.3	SZ	999.9	9999.9		

5 06 36 59.* 26.9 N 101.5 E YUNNAN PROVINCE, CHINA
H= 33 KM MAG 5.20 CGS

5	AD-	eP	07 12 44.0	SZ	0.2	23.7	3.2	
		eS	13 23	SZ	0.3	17.8		

5 07 20 45.* 33.6 S 77.6 E MID INDIAN RISE
H= 33 KM

5 07 27 21. 5.9 S 153.7 E NEW IRELAND REGION
H=106 KM MAG 4.60 CGS

5	MN-	eP	07 40 12.6	SZ	1.0	.8	92.2	4.02
		e	41 58	SZ	0.8	1.5		
5	LC-	eL	08 09 35	LR	26	100.5	101.3	
		eL	15 20	LZ	23	82.1		
5	LC-	eL	08 43 25	LZ	35.	196.2		
5	HW-	eP	11 26 14.4	SZ	0.2	56.6	.8	
		eS	26 25	ST	0.2	114.9		
5	AD-	eL	11 43 30	LZ	15	282.5		

5 11 55 37.* 54. S 141.1 E WEST OF MACQUARIE ISLAND
H= 33 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	12 27 22.2		6 N 25.9 W CENTRAL MID ATLANTIC RIDGE H= 33 KM MAG 4.70 CGS					
5	JE-	eP	12 38 37	LZ	15.	337.0	69.5	
		eP	38 43	SZ	1.4	52.0		5.41
		e	47 34	LZ	18	830.8		
		eLR	59 29	LZ	34	6198.4		
		eL	13 01 57	LR	24	2549.5		
		eL	01 57	LT	12	440.4		
		eL	01 57	LZ	24	4304.1		
5	RK-	eP	12 39 04.3	SZ	1.3	23.1	75.6	5.02
		e	39 40	SZ	1.9	120.1		
		eS	48 42	LT	20	927.8		
		eSS	53 26	LT	29	549.1		
		eL	58 10	LR	37	2627.7		
5	LC-	eP	12 39 41.0	SZ	0.9	2.2	81.8	4.18
		eP	39 50	LZ	25	113.2		
		ePP	43 00	LZ	22	57.1		
		ePPP	44 53	LZ	16	79.6		
		eS	49 50	LR	38	797.0		
		eSS	55 16	LR	24	808.5		
		eL	13 05 27	LR	40	9999.9		
5	NP-	eP	12 40 24.0	SZ	1.5	34.1	90.3	5.35
		eS	51 15	LR	22	1267.0		
		eSS	56 45	LR	23	877.1		
		eL	13 03 55	LR	26	3058.1		
5	MN-	eP	12 40 36.0	SZ	1.6	5.8	91.4	4.65
		eP	40 36	LZ	22	70.3		
		ePP	44 10	LZ	23	105.5		
		e	44 31	SZ	2.4	37.4		
		eS	51 13	LR	18	313.5		
		e	52 43	LR	27	731.0		
		e	57 47	LR	35	1744.6		
		eL	13 10 25	LZ	44	3617.4		
5	DH-	eLQ	12 52 10	LT	27	3140.2	60.4	
		eLR	55 08	LZ	30	4784.0		
5	AD-	e	13 04 20	LZ	23	262.7	122.2	
		eL	22 40	LZ	30	377.0		
							AVG.	4.92
5	15 05 10.9		19.2 S 69.3 W NORTHERN CHILE H=103 KM MAG 4.60 CGS					
5	LC-	eP	15 15 25.4	SZ	0.8	1.7	62.5	4.07
5	MN-	eP	15 16 34.4	SZ	0.9	3.2	73.4	4.16
		e	17 01	SZ	1.3	4.9		
5	RK-	e	15 16 54	SZ	0.7	2.3	73.0	
							AVG.	4.11

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	LC-	eP	16 49 14.5	SZ	0.8	1.1		
5	18 46 19.*		53.9 S 140.4 E WEST OF MACQUARIE ISLAND H= 33 KM					
5	AD-	eL	19 04 10	LZ	22.	143.3		
5	LC-	eL	19 15 03	LZ	23	74.9		
5	LC-	eP	20 11 54.3	SZ	0.2	10.1		1.2
		eS	12 11	SR	0.2	9.6		
5	LC-	eP	20 43 46.1	SZ	0.2	23.4		1.3
		eS	44 04	ST	0.2	11.1		
5	21 08 49.4		44.1 N 11.1 E NORTHERN ITALY H= 40 KM MAG 4.30 CGS					
5	LC-	eP	21 22 54.0	SZ	0.9	2.2		
5	22 28 51.*		44.6 N 12.3 E NORTHERN ITALY H= 33 KM					
5	MN-	eP	22 30 14.5	SZ	0.3	.6		
5	MN-	eL	22 31 32	SR	0.6	6		
6	LC-	eL	00 41 30	LZ	18	40.7		
6	MN-	iP	02 06 46.3C	SZ	999.9	9999.9		.8
		eS	07 58	ST	999.9	9999.9		
6	AD-	eP	02 36 11.5	SZ	0.2	47.8		2.0
		eS	36 41	SR	0.2	95.4		
6	LC-	eL	03 05 15	LZ	20	33.7		
6	03 27 47.9		17.8 S 168.2 E NEW HEBRIDES ISLANDS H= 33 KM MAG 4.80 CGS					
6	HW-	eLQ	03 48 05	LT	25.	534.1		51.6
		eLR	51 20	LR	30	806.8		
6	AD-	e	04 00 00	LZ	33	294.9		70.6
		eL	03 05	LZ	20	238.3		
6	03 38 48.8		46.7 S 13.5 W SOUTH ATLANTIC RIDGE H= 33 KM MAG 4.80 CGS					
6	JE-	eL	04 37 50	LZ	22.	291.8		105.3

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	04 09 07.*		23.4 N 108.5 W GULF OF CALIFORNIA H= 33 KM MAG 4.10 CGS					
6	LC-	eP	04 11 13.5	SZ	0.5	1.4	9.1	4.48
		eP	11 36	LZ	28	129.7		
		e	13 12	SZ	0.6	17.1		
		e	13 16	SZ	0.6	38.0		
		eL	13 22	ST	999.9	9999.9		
		e	14 36	SZ	0.6	13.5		
		eL	14 50	LZ	22	112.7		
		e	15 45	SZ	1.5	28.7		
6	MN-	eL	04 50 55	LR	22.	479.3		
6	AD-	eP	05 31 31.6	SZ	0.3	71.7	.6	
		eS	31 40	ST	0.3	109.8		
		eP	36 34.3	SZ	0.2	23.9		
		eS	36 43	ST	0.2	73.2		
6	LC-	eL	05 40 05	LZ	25	78.1		
6	07 50 12.6		48.1 S 104.1 E SOUTHEAST INDIAN RISE H= 33 KM					
6	MN-	eP#1	08 09 56.0	SZ	1.2	10.2	148.1	
		eP#2	10 02	SZ	1.0	18.3		
		eL	59 45	LZ	30	189.5		
6	LC-	eP#1	08 10 06.0	SZ	1.0	3.9	152.0	
6	AD-	eP	07 55 10.8	SZ	0.2	4.7	1.7	
		eS	55 34	ST	0.3	66.7		
6	LC-	eL	09 02 40	LZ	20	71.3		
6	MN-	eP	09 19 38.0	SZ	0.5	8.8	1.4	
		eS	19 57	SR	0.5	8.2		
6	09 21 22.4		20.3 S 178.9 W FIJI ISLANDS REGION H=621 KM MAG 4.20 CGS					
6	MN-	eP	09 32 38.0	SZ	1.0	10.0	81.6	
6	09 52 49.7		15.9 N 61.7 W LEEWARD ISLANDS H=143 KM MAG 4.40 CGS					
6	LC-	eP	10 00 43.0	SZ	1.0	7.8	43.8	4.27

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	MN-	eP	10 02 02.5	SZ	1.0	3.3	54.1	4.15
6	AD-	eL	10 34 25	LZ	18	569.7	92.2	
							AVG.	4.21
6	10 29 51.4		53.9 N 163.9 W UNIMAK ISLAND REGION H= 33 KM					
6	NP-	eP	10 35 41.0	SZ	0.4	7.2	27.9	4.78
6	LC-	eL	10 51 45	LZ	25	48.3	45.5	
6	11 15 27.9		6. S 153.7 E NEW BRITAIN REGION H= 90 KM MAG 4.50 CGS					
6	MN-	eP	11 28 30.0	SZ	1.0	4.1	92.2	4.72
		eL	58 05	LZ	30	273.7		
6	HW-	eL	11 41 30	LR	25	453.1	56.0	
6	AD-	eL	11 44 20	LZ	30	420.6	63.0	
6	LC-	e	11 56 50	LZ	25	48.3	101.4	
		eL	12 01 00	LZ	35	277.2		
6	JE-	eL	12 09 35	LZ	32	235.1	113.8	
6	DH-	eL	12 16 40	LZ	27	374.7	123.9	
6	LC-	eP	12 00 59.0	SZ	0.5	1.4		
6	LC-	e	12 02 17	SZ	0.6	4.9		
6	LC-	e	12 02 21	SZ	0.6	12.2		
6	HW-	eP	13 10 09.0	SZ	0.5	30.1	1.0	
		eS	10 23	SR	0.7	82.9		
6	MN-	eP	15 09 58.0	SZ	0.4	2.8	.6	
		eS	10 17	SR	0.5	6.0		
6	LC-	eP	15 45 09.0	SZ	0.8	1.1		
6	15 51 24.*		10.6 S 107.5 W N. EASTER ISLAND CORDILLERA H= 33 KM MAG 4.70 CGS					
6	LC-	eP	15 59 18.5	SZ	1.2	6.0	42.8	4.21
		e	16 03 40	LZ	23	134.5		
		e	08 05	LZ	24	76.8		
		eL	10 00	LZ	22	334.5		
6	MN-	eP	16 00 15	LZ	24	192.0	49.8	
		eP	00 22	SZ	1.0	2.5		4.11
		e	07 40	LZ	22	208.1		
		eL	13 50	LZ	20	626.5		
6	RK-	eP	16 01 54.0	SZ	1.0	22.2	62.4	5.24
6	HW-	eL	16 16 45	LZ	22	214.2	56.3	
6	AD-	e	16 24 05	LZ	19	172.7	85.8	
		eL	30 00	LZ	28	309.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.52
6	15 58 15.*		58.7 N 151.4 W KODIAK ISLAND REGION H= 33 KM					
6	NP-	eP	16 02 56.5	SZ	0.5	2.4	20.9	3.78
		e	02 59	SZ	0.9	29.7		
		e	04 20	SZ	2.0	48.8		
6	MN-	eP	16 04 18.0	SZ	0.8	2.9	29.4	4.12
6	LC-	eP	16 05 47.5	SZ	1.0	8.8	39.8	4.42
6	AD-	eL	16 06 15	LZ	25	212.6	15.9	
							AVG.	4.10
6	16 13 23.2		21.5 S 66.8 W SOUTHERN BOLIVIA H=233 KM MAG 4.70 CGS					
6	LC-	eP	16 23 44.0	SZ	1.3	5.6	65.7	4.14
6	RK-	eP	16 24 44.5	SZ	0.5	4.6	75.8	4.47
6	MN-	eP	16 24 51.0	SZ	1.0	8.3	76.6	4.42
							AVG.	4.34
6	AD-	eP	16 58 26.5	SZ	999.9	9999.9	1.6	
		eS	58 48	ST	999.9	9999.9		
6	17 16 54.6		59.1 N 147.4 W GULF OF ALASKA H= 33 KM MAG 5.10 CGS					
6	NP-	eP	17 21 25.0	SZ	0.7	15.1	19.8	4.37
6	MN-	eP	17 22 43.8	SZ	0.5	3.4	27.9	4.36
6	LC-	eP	17 24 13.0	SZ	1.0	5.8	38.1	4.33
6	AD-	eL	17 27 40	LZ	18	207.1	18.0	
							AVG.	4.35
6	AD-	eP	17 20 22.1	SZ	0.2	81.2	.5	
		eS	20 29	ST	0.2	9999.9		
6	17 36 44.3		63.1 N 147.7 W CENTRAL ALASKA H= 33 KM MAG 4.80 CGS					
6	NP-	eP	17 40 30.5	SZ	0.8	11.5	16.2	4.09
		eS	43 20	ST	1.2	42.5		
		e	43 35	ST	1.1	31.2		
6	MN-	eP	17 42 57.0	SZ	1.0	6.6	30.5	4.42
		e	43 26	SZ	1.3	12.8		
6	RK-	eP	17 42 59.5	SZ	0.5	9.3	30.9	4.90

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	LC-	eP	17 44 20.0	SZ	1.0	1.9	40.1	3.76
							AVG.	4.29
6	18 41 01.8		10. N 140.2 E WEST CAROLINE ISLANDS H= 33 KM MAG 5.10 CGS					
6	AD-	eP	18 50 30	LZ	15.	341.4	54.5	
		eS	58 08	LR	27	2304.2		
		eLQ	19 03 35	LT	35	3297.4		
		eLR	06 40	LZ	33	4523.0		
6	NP-	eP	18 53 25.5	SZ	999.9	9999.9	82.8	
		e	53 35	SZ	0.9	43.4		
6	HW-	eS	18 59 50	LR	30	941.3	62.4	
		eLQ	19 06 55	LR	25	1586.1		
		eLR	10 50	LR	20	2858.0		
6	MN-	eS	19 05 20	LT	27	482.6	92.8	
		ePS	06 45	LR	24	442.4		
		eSS	11 45	LT	30	473.3		
		e	19 02	LT	36	3394.4		
		e	23 35	LZ	28	947.7		
		e	25 05	LZ	25	1064.4		
		eLR	28 00	LZ	20	751.8		
		eL	30 10	LZ	20	1020.3		
		eL	30 10	LR	18	940.6		
		eL	30 10	LT	18	415.3		
6	AD-	eP	18 42 42.8	SZ	0.3	71.7	.1	
		eS	42 47	ST	0.3	90.2		
6	18 51 16.*		34.1 N 114.2 W CALIFORNIA ARIZONA REGION H= 15 KM MAG 3.30 CGS					
6	MN-	eP	18 52 41.0	SZ	1.0	1.6	5.4	3.63
		e	53 54	SZ	1.4	7.9		
		e	54 14	SZ	0.7	4.1		
		e	54 49	SZ	1.0	16.6		
		e	58 06	SZ	2.5	61.7		
6	18 55 47.4		38.3 N 26.6 W AZORES ISLANDS H= 33 KM MAG 4.90 CGS					
6	18 57 20.4		7.1 N 93.7 E NICOBAR ISLANDS REGION H= 46 KM MAG 5.20 CGS					
6	19 03 34.6		39.1 N 111.6 W UTAH H= 15 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	MN-	eP	19 05 08.5	SZ	1.0	5.0	5.2	4.07
		e	05 16	SZ	0.5	4.0		
		eL	06 29	SR	1.2	19.8		
6	LC-	e	19 06 06	SZ	1.1	6.0	7.8	
		e	07 41	SZ	2.5	108.7		
		eL	08 50	LZ	20	146.4		
6	JE-	eL	19 10 20	LZ	20	421.6	17.5	
6	NP-	eP	19 10 38.0	SZ	0.7	8.4	37.4	4.61
		e	15 40	LR	30	1165.5		
		eL	20 45	LR	40	2158.4		
							AVG.	4.34
6	LC-	e	19 14 35	LZ	24.	91.5		
6	LC-	e	19 18 55	LZ	19	120.4		
6	LC-	eL	19 26 35	LZ	30	229.6		
6	DH-	eL	19 34 10	LR	35	1328.4		
6	DH-	eL	19 38 00	LR	28	2433.4		
6	DH-	eL	19 38 00	LZ	60	2945.4		
6	DH-	eL	19 38 00	LT	30	1489.6		
6	LC-	eP	20 10 08.0	SZ	0.4	1.6	2.4	
		e	10 14	SZ	0.5	3.6		
		eS	10 38	ST	0.4	4.7		
		e	10 47	SR	0.5	10.1		

6 20 34 22.2 4.7 S 144.8 E NEAR NORTH COAST NEW GUINEA
H= 76 KM MAG 5.70 CGS

6 21 05 48.* 6. S 107.1 W N. EASTER ISLAND CORDILLERA
H= 33 KM MAG 5.00 CGS

6	LC-	eP	21 13 06.5	SZ	1.0	9.7	38.2	4.54
		e	13 15	SZ	1.0	27.3		
		ePCP	15 27	SZ	2.5	72.5		
		e	22 15	LZ	17	532.4		
		eL	24 20	LZ	25	9999.9		
6	MN-	eP	21 14 06.0	SZ	3.5	243.3	45.4	5.52
		eS	20 55	LT	23	955.1		
		e	24 35	LT	22	896.6		
		eLQ	25 33	LT	28	1652.1		
		eLR	27 30	LZ	23	9999.9		
6	RK-	eP	21 15 36.0	SZ	0.9	11.4	57.8	4.90
		e	15 46	SZ	1.0	32.1		
6	JE-	e	21 15 50	LR	40	7215.4	40.2	
		e	17 05	LT	40	8111.0		
		e	22 45	LR	24	7493.9		
		eL	26 10	LR	27	4960.4		
6	NP-	eP	21 18 07.5	SZ	1.5	28.4	82.4	5.12

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	46 05	LR	28.	988.1		
6	HW-	e	21 18 45	LR	18	2670.1	54.3	
		e	23 50	LR	37	6377.3		
		eL	30 15	LZ	26	2240.3		
6	DH-	eS	21 23 20	LR	22	581.8	56.3	
		eL	34 45	LZ	25	925.7		
6	AD-	e	21 24 25	LZ	28	283.3	82.3	
		eSPP	29 50	LZ	27	348.1		
		eL	43 20	LZ	28	2266.6		
							AVG.	5.02

6 21 18 02.* 6.1 S 106.5 W N. EASTER ISLAND CORDILLERA
H= 33 KM MAG 4.40 CGS

6	LC-	eP	21 25 22.5	SZ	0.6	1.6		
6	MN-	eP	22 23 10.0	SZ	0.5	1.2	2.1	
		eS	23 42	SR	0.5	1.8		
6	AD-	eP	22 28 59.7	SZ	0.3	111.1	1.2	
		eS	29 15	SR	0.3	243.3		
6	AD-	eP	23 41 25.6	SZ	0.2	124.3	1.5	
		eS	41 47	ST	0.3	9999.9		
7	AD-	eP	01 39 55.5	SZ	0.2	28.4	1.4	
		eS	40 12	SR	0.2	82.6		

7 03 38 50.4 19.9 N 122.2 E PHILIPPINE ISLANDS REGION
H= 28 KM MAG 4.70 CGS

7 03 54 05.1 48.6 N 153.9 E KURILE ISLANDS
H=100 KM MAG 4.60 CGS

7	AD-	eL	04 02 20	LZ	15	461.3	19.0	
7	MN-	eP	04 04 11.5	SZ	1.3	6.4	61.2	4.49
		epP	04 35	SZ	1.0	5.0		
7	AD-	eP	05 27 19.4	SZ	0.3	24.8	3.4	
		eS	27 51	ST	0.3	156.9		

7 07 07 55.4 57.7 N 151.5 W KODIAK ISLAND REGION
H= 33 KM MAG 4.00 CGS

7	NP-	eP	07 12 51.0	SZ	0.7	19.6	21.9	4.61

7 07 42 02.3 58.3 N 152.0 W KODIAK ISLAND REGION
H= 33 KM MAG 5.10 CGS

7	NP-	eP	07 46 49.5	SZ	0.5	7.1	21.4	4.28
		e	46 53	SZ	0.7	91.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	52 40	LR	40.6	9485		
7	MN-	eP	07 48 04.5	SZ	0.5	9	29.5	3.83
		eL	57 30	LT	20	241.4		
7	AD-	eL	07 49 22	LZ	33	987.9	15.5	
		eL	51 11	LT	14	3030.3		
		eL	51 11	LR	23	677.7		
		eL	51 11	LZ	14	1741.1		
7	LC-	eP	07 49 39.5	SZ	1.0	8.7	40.0	4.41
7	HW-	eL	07 59 40	LR	25	37.1	38.4	
7	DH-	eLQ	08 08 05	LR	21	526.6	49.0	
		eLR	11 15	LZ	15	1116.2		
7	JE-	eL	08 09 30	LR	16	1036.8	47.9	
							AVG.	4.17
7	AD-	eP	07 45 33.5	SZ	0.2	14.2		
7	MN-	eP	08 31 49.2	SZ	0.5	2.5	.9	
		eS	32 01	ST	0.3	3.4		
7	AD-	eP	09 18 46.5	SZ	0.2	47.3	1.2	
		eS	19 02	ST	0.2	287.8		
7	MN-	eP	10 20 25.0	SZ	0.3	.8	1.0	
		eS	20 39	ST	0.3	3.4		

7 11 27 15.* 15.7 N 53.3 E ARABIAN SEA
H= 33 KM MAG 4.60 CGS

7	MN-	eP	11 46 24.5	SZ	1.0	5.0	125.6	
		e	12 00 50	LZ	20	152.9		
		e	06 10	LT	40	569.8		
		eSSS	10 05	LT	32	340.3		
		eLQ	24 00	LR	27	332.0		
		eLR	30 45	LR	35	849.1		
7	DH-	eSP	11 55 00	LZ	20	318.8	105.2	
		eSS	12 00 45	LR	28	581.0		
		eL	19 55	LZ	35	1471.6		
7	LC-	eSPP	12 00 30	LZ	25	151.3	128.4	
		e	10 50	LZ	31	184.0		
		e	14 30	LR	23	151.0		
		eLQ	25 30	LR	28	329.1		
		eLR	31 05	LR	40	1003.2		
7	AD-	e	12 03 15	LZ	26	225.9	100.0	
		e	08 40	LR	33	1282.3		
		eL	15 52	LZ	32	451.3		
7	NP-	eL	12 09 50	LR	45	1897.0	88.1	
7	JE-	eL	12 26 50	LZ	45	1714.1	122.2	

7 11 29 17.6 4.1 S 151.7 E NEW BRITAIN REGION
H=246 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	MN-	eP	12 28 47.0	SZ	0.9	1.2	1.5	
		eS	29 08	ST	0.3	1.4		
7	HW-	eP	12 35 41.0	SZ	0.5	31.4	1.1	
		eS	35 56	ST	0.4	118.5		
7	AD-	eP	12 44 34.0	SZ	0.2	14.2	2.3	
		eS	45 03	ST	0.2	31.3		
7	LC-	eP	13 43 13.5	SZ	0.4	3.0	3.0	
		eS	43 51	ST	0.4	2.7		
7	MN-	iP	13 48 12.5C	SZ	0.3	4.7	.6	
		eS	48 22	SR	999.9	9999.9		
7	HW-	eP	15 11 00.5	SZ	0.5	62.8	1.0	
		eS	11 15	SR	0.7	151.4		

7 15 13 14.1 10.1 S 161.1 E SOLOMON ISLANDS
H= 38 KM MAG 5.00 CGS

7	HW-	eP	15 13 22.0	SZ	0.5	188.6		

7 15 52 11.5 37.1 N 71.8 E AFGHANISTAN USSR BORDER REG.
H=168 KM MAG 4.30 CGS

7	AD-	eP	17 04 29.2	SZ	0.2	37.8	1.7	
		eS	04 53	SR	0.2	48.5		
7	MN-	eP	17 39 45.5	SZ	999.9	9999.9	.9	
		eS	39 48	ST	999.9	9999.9		
7	AD-	eP	18 24 30.2	SZ	0.2	42.6	4.6	
		eS	25 27	ST	0.3	156.9		
7	AD-	eP	22 51 13.0	SZ	0.2	18.9	2.3	
		eS	51 42	SR	0.2	28.5		
7	AD-	eP	23 05 32.5	SZ	0.3	21.3	1.7	
		eS	05 55	SR	0.3	29.1		
7	AD-	eP	23 26 47.3	SZ	0.2	170.4	.4	
		eS	26 54	ST	0.3	172.6		
7	MN-	eP	23 44 18.5	SZ	0.4	3.7	.5	
		eS	44 27	ST	0.4	4.1		

8 00 27 55.* 44.2 N 114.8 W WESTERN IDAHO
H= 33 KM MAG 3.90 CGS

8	AD-	eP	02 31 27.8	SZ	0.3	50.3	.6	
		eS	31 47	SR	0.3	58.3		

8 02 43 17.* 60.1 N 146.9 W SOUTHERN ALASKA
H= 34 KM MAG 3.50 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	MN-	eP	05 46 34.5	SZ	0.3	1.4	.9	
		eS	46 47	SR	0.4	7.3		
8	05 55 19.*		20.5 S 176.2 W FIJI ISLANDS REGION					
			H= 33 KM MAG 4.50 CGS					
8	AD-	eP	05 57 20.5	SZ	0.3	86.2	.9	
		eS	57 33	ST	0.3	105.7		
8	AD-	eP	06 31 41.0	SZ	0.2	9999.9	.6	
		eS	31 50	ST	999.9	9999.9		
8	NP-	eP	06 34 43.0	SZ	0.7	4.9		
8	AD-	eL	06 42 47	LZ	17	113.5		
8	07 54 57.9		5.8 N 126.1 E MINDANAO, PHILIPPINE ISLANDS					
			H=177 KM MAG 5.40 CGS					
8	AD-	eP	08 05 00	LZ	23.	94.6	65.6	
		eSP	14 22	LZ	16	124.1		
		eL	25 05	LZ	33	738.5		
8	NP-	eP	08 07 39.8	SZ	0.6	5.6	90.1	4.73
8	LC-	ePKKP	08 23 53	SZ	0.7	3.3	117.2	
		eLR	48 53	LZ	30	99.3		
8	MN-	eL	08 43 47	LZ	30	336.9	106.1	
8	AD-	eP	09 05 11.8	SZ	0.2	9.5	.2	
		eS	05 27	SR	0.2	140.9		
8	09 32 26.8		45.6 N 149.9 E KURILE ISLANDS					
			H=141 KM MAG 4.50 CGS					
8	10 26 25.*		2.7 S 127.7 E CERAM SEA					
			H= 33 KM					
8	11 15 35.*		17.4 S 173.5 W TONGA ISLANDS					
			H= 33 KM MAG 5.00 CGS					
8	MN-	eP	11 27 21.3	SZ	1.0	9.1	76.0	4.76
8	LC-	eP	11 27 48.5	SZ	0.9	4.4	80.9	4.42
							AVG.	4.59
8	AD-	e	13 06 00	LZ	25.	120.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	AD-	eP	13 30 09.7	SZ	0.2	105.3	.3	
		eS	30 16	ST	0.2	130.8		
8	DH-	eP	13 34 58.5	SZ	0.6	5.8	2.0	
		eS	35 25	SR	0.3	19.1		
8	13 40 03.5		29.6 N 142.0 E SOUTH OF HONSHU, JAPAN					
			H= 77 KM MAG 5.60 CGS					
8	NP-	eP	13 50 27.8	SZ	1.5	82.9	63.5	5.50
		eL	14 17 03	LZ	22	168.0		
8	MN-	eP	13 52 00.5	SZ	1.5	63.7	79.2	5.27
		ePCP	52 13	SZ	1.2	15.3		
		eL	14 16 42	LZ	32	256.1		
		eLR	18 52	LZ	25	532.2		
8	RK-	eP	13 52 38.0	SZ	1.0	24.3	86.1	5.14
8	LC-	eP	13 52 58.5	SZ	1.4	15.9	90.4	5.02
8	JE-	eLR	14 34 25	LZ	20	272.7	100.3	
		eL	38 25	LZ	18	822.9		
		eL	38 25	LR	20	1037.9		
		eL	38 25	LT	25	1041.6		
8	AD-	eL	14 43 52	LZ	33	537.1	149.0	
							AVG.	5.23
8	13 41 44.1		24.1 S 177.6 W SOUTH OF FIJI ISLANDS					
			H=165 KM MAG 4.80 CGS					
8	MN-	eP	13 54 00.0	SZ	1.5	29.4	83.5	4.86
8	LC-	eP	13 54 15.5	SZ	1.2	14.0	88.0	4.74
8	DH-	eLR	14 40 00	LZ	20	395.2	114.9	
							AVG.	4.80
8	14 09 19.2		23.8 S 177.5 W SOUTH OF FIJI ISLANDS					
			H=213 KM MAG 4.70 CGS					
8	MN-	eP	14 21 23.0	SZ	1.5	17.1	83.2	4.57
8	LC-	eP	14 21 46.2	SZ	1.4	27.2	87.7	4.90
		epP	22 41	SZ	1.2	11.7		
8	AD-	eL	14 43 52	LZ	33	537.1	75.3	
							AVG.	4.73
8	14 12 39.8		23.9 S 177.2 W SOUTH OF FIJI ISLANDS					
			H=175 KM MAG 4.50 CGS					
8	MN-	eP	14 24 47.8	SZ	1.3	19.2	83.1	4.72

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	LC-	eP	14 25 10.5	SZ	1.2	14.6	87.6 AVG.	4.74 4.73
8	DH-	eP	14 23 21.0	SZ	0.5	6.5	1.7	
		eS	23 43	SR	0.4	24.6		
8	DH-	eP	16 01 39.5	SZ	0.7	12.9	1.6	
		eS	02 01	SR	0.4	18.4		
8	16 52 33.2		29.1 N 142.3 E SOUTH OF HONSHU, JAPAN H= 33 KM MAG 4.80 CGS					
8	AD-	e	16 54 20	LZ	22.	94.6		
8	17 05 23.4		20.4 S 178.3 W SOUTH OF FIJI ISLANDS H=539 KM MAG 5.40 CGS					
8	AD-	eP	17 15 52.1	SZ	0.8	160.7	72.0	5.60
8	MN-	eP	17 06 11.7	SZ	0.4	10.3		
8	MN-	e	17 06 15	SZ	0.4	9999.9		
8	AD-	eL	17 08 32	LZ	15	139.8		
8	LC-	eLQ	17 11 47	LZ	30	64.7		
8	MN-	eL	17 11 55	LZ	27	130.6		
8	LC-	eLR	17 13 34	LZ	23	149.4		
8	MN-	eL	17 13 40	LZ	25	212.8		
8	LC-	eP	18 32 36.8	SZ	0.4	8.2	1.4	
		eS	32 56	SR	0.4	3.9		
8	20 22 54.2		6.9 N 126.4 E MINDANAO, PHILIPPINE ISLANDS H= 33 KM					
8	NP-	eP	20 35 47.3	SZ	1.1	20.4	88.9	5.24
8	AD-	eL	20 52 52	LZ	28	422.1	64.6	
8	LC-	eP	20 52 05.1	SZ	0.2	1.3	1.2	
		e	52 05	SZ	0.2	18.1		
		eS	52 22	SR	0.2	5.4		
		e	52 24	SR	0.3	9999.9		
8	LC-	eP	22 02 18.8	SZ	0.2	9.0		
8	LC-	e	22 02 27	SZ	0.3	9999.9		
8	LC-	e	22 02 48	SZ	0.3	5.4		
8	AD-	eP	22 24 16.8	SZ	0.2	33.5	.9	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	24 29	SR	0.2	199.2		
8	MN-	eP	22 32 01.3	SZ	0.3	.7	2.9	
		e	32 05	SZ	0.6	5.2		
		eS	32 38	SR	0.5	4.3		
		e	32 48	SR	0.5	3.4		
8	DH-	eP	22 47 27.5	SZ	0.5	13.1	1.5	
		eS	47 47	SR	0.6	29.8		
8	MN-	eP	23 01 02.0	SZ	0.3	2.4	2.1	
		eS	01 29	SR	0.5	5.2		
		e	01 33	SR	0.4	1.9		
8	LC-	eP	23 13 10.0	SZ	0.5	1.8	3.8	
		eS	13 56	SR	0.5	1.0		
8	AD-	eP	23 41 25.7	SZ	0.3	46.7	.3	
		eS	24 41 42	SR	0.3	65.5		
9	LC-	eP	01 26 41.5	SZ	0.8	1.6		
9	DH-	eP	01 45 39.5	SZ	0.4	9.0	.5	
		eS	45 47	ST	0.3	51.8		
9	AD-	eP	01 54 39.2	SZ	0.2	47.8	2.1	
		eS	55 06	SR	0.2	58.3		
9	02 41 46.*		58.9 N 154.5 W ALASKA PENINSULA H= 33 KM					
9	NP-	eP	02 46 34.0	SZ	0.6	5.4	21.3	4.08
		eLR	53 20	LZ	32	633.3		
9	AD-	eLR	02 49 00	LZ	23	531.2	14.4	
		eL	51 14	LT	24	1926.5		
		eL	51 14	LR	17	671.7		
		eL	51 14	LZ	18	828.7		
9	LC-	e	02 59 03	LZ	20	40.5	41.4	
		eLQ	03 01 25	LR	25	79.7		
		eLR	03 25	LZ	25	197.3		
9	JE-	eLQ	03 08 22	LT	17	1240.4	49.3	
		eLR	10 55	LZ	18	450.0		
9	03 36 43.*		58.9 N 152.8 W KODIAK ISLAND REGION H= 33 KM MAG 4.60 CGS					
9	NP-	eP	03 41 25.0	SZ	0.5	5.7	21.0	4.16
		eLR	47 00	LZ	30	381.7		
9	AD-	eL	03 44 25	LT	23	1166.0	15.2	
		eL	47 02	LT	17	2188.4		
		eL	47 02	LR	16	734.4		
		eL	47 02	LZ	14	1021.4		
9	LC-	e	03 53 35	LZ	15	52.8	40.6	
		eLQ	56 30	LR	25	74.4		
		eLR	58 15	LZ	25	204.6		
9	JE-	eLQ	04 03 42	LT	20	914.5	48.4	
		eLR	05 45	LZ	18	417.8		
9	04 52 45.4		5.6 S 130.9 E BANDA SEA H= 93 KM MAG 5.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	LC-	eLQ	05 29 20	LR	25:	1481.8		
9	LC-	eLR	05 30 35	LZ	25	2191.2		
9	05 30 44.7		24.1 S 177.1 W SOUTH OF FIJI ISLANDS H= 33 KM MAG 4.20 CGS					
9	06 06 18.4		26.2 N 143.7 E BONIN ISLANDS REGION H= 33 KM MAG 4.90 CGS					
9	NP-	eP	06 17 04.5	SZ	1.0	7.2	66.4	4.76
9	MN-	eP	06 18 26.3	SZ	0.8	.9	80.1	3.76
		e	33 00	SZ	1.2	11.5		
		eL	43 25	LZ	25	303.1		
9	RK-	eP	06 19 08.0	SZ	1.0	4.8	88.1	4.68
9	LC-	eP	06 19 24.0	SZ	1.0	3.7	91.3	4.65
		eL	48 20	LZ	25	102.3		
9	AD-	e	06 22 40	LZ	18	233.0	39.3	
		eLR	24 15	LZ	27	795.6		
9	HW-	eL	06 31 30	LZ	25	229.1	55.7	
9	DH-	eLR	06 55 20	LZ	25	215.1	103.1	
9	JE-	eLR	06 56 35	LZ	30	139.2	101.6	
							AVG.	4.46
9	AD-	eP	06 27 31.1	SZ	0.3	89.6		
9	06 35 14.9		6.9 S 129.4 E BANDA SEA H=122 KM MAG 4.90 CGS					
9	AD-	eP	07 03 12.0	SZ	0.2	9.5	4.4	
		eS	04 05	ST	0.3	21.8		
9	09 39 48.1		37.5 N 3.7 W SPAIN H= 15 KM MAG 4.30 CGS					
9	MN-	eP	10 48 21.7	SZ	1.0	2.5		
9	DH-	eP	15 02 06.5	SZ	0.4	6.0	2.0	
		eS	02 32	SR	0.4	24.6		
9	MN-	eP	17 44 20.8	SZ	0.4	2.2	1.3	
		eS	44 53	ST	0.4	4.6		
9	AD-	eP	19 20 57.2	SZ	0.2	28.6	1.7	
		eS	21 20	ST	0.3	54.6		
9	LC-	eP	19 57 01.5	SZ	0.4	2.6		
9	LC-	e	19 57 08	SZ	0.4	3.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	LC-	e	19 57 39	SR	0.4	1.9		
9	DH-	eP	20 09 57.5	SZ	0.4	12.0	2.0	
		eS	10 22	SR	0.5	53.9		
9	AD-	eP	21 49 00.0	SZ	0.2	133.8	.4	
		eS	49 07	SR	0.2	165.2		
9	22 19 40.5		34.5 N 45.8 E IRAN IRAQ BORDER REGION H= 68 KM MAG 4.50 CGS					
9	LC-	eP	22 25 41.3	SZ	0.3	7.0	1.5	
		eS	26 00	SR	0.3	10.9		
9	AD-	e	23 56 50	LZ	17	110.8		
9	AD-	eL	23 57 50	LZ	28	566.6		
10	DH-	eP	01 28 30.4	SZ	0.2	11.5	.5	
		eS	28 38	SR	0.3	60.5		
10	02 39 26.5		7.4 N 73.0 W NORTHERN COLOMBIA H=140 KM					
10	LC-	eP	02 46 48.7	SZ	0.9	6.6	39.9	4.35
		epP	47 18	SZ	1.0	6.4		
10	AD-	eL	02 47 30	LZ	22.	68.9		
10	AD-	eP	05 22 23.2	SZ	0.2	81.4	1.2	
		eS	22 39	SR	0.2	80.7		
10	06 19 51.*		41.9 N 107.8 W WYOMING H= 33 KM MAG 4.10 CGS					
10	RK-	eP	06 22 49.2	SZ	0.5	2.4	13.2	4.38
		eL	26 18	ST	0.9	13.4		
10	HW-	eP	08 17 44.6	SZ	0.4	28.4	.7	
		eS	17 54	ST	0.3	111.6		
10	09 15 47.		16.4 N 96.0 W OAXACA, MEXICO H= 59 KM MAG 4.50 CGS					
10	JE-	eP	09 19 27.2	SZ	0.6	24.4	15.7	4.62
		eL	22 75	ST	0.9	75.7		
		eLR	24 25	LZ	28	315.1		
10	LC-	eP	09 20 01.0	SZ	1.1	30.6	18.6	4.46
		eP	20 03	LZ	20	39.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	23 44	LR	24.	1104		
		eLQ	25 26	LR	31	356.0		
		eL	25 50	ST	4.0	308.6		
		eLR	26 47	LZ	26	254.2		
10	MN-	eP	09 21 47.3	SZ	1.3	16.0	29.3	4.59
		eLQ	30 05	LT	28	1138.5		
		eL	31 27	ST	3.6	86.6		
		eLR	31 56	LZ	20	145.1		
10	RK-	eP	09 22 29.0	SZ	1.0	5.4	34.4	4.40
10	NP-	eP	09 26 07.0	SZ	0.9	6.6	61.1	4.71
							AVG.	4.55
10	AD-	eP	10 56 27.4	SZ	0.3	64.6	1.7	
		eS	56 50	SR	0.3	75.6		
		eL	56 50	LZ	18	128.8		
10	AD-	eP	10 59 21.7	SZ	0.2	19.1	.8	
		eS	59 33	ST	0.2	72.8		
10	AD-	eP	11 12 14.0	SZ	0.2	23.9	.9	
		eS	12 26	SR	0.2	65.5		
10	AD-	eP	11 48 35.5	SZ	0.2	14.3	.7	
		eS	48 46	SR	0.2	75.6		
10	14 18 15.*		34.5 N 135.6 E NEAR S. COAST SOUTH HONSHU H=388 KM MAG 4.10 CGS					
10	MN-	eP	14 59 23.2	SZ	0.4	10.8	1.2	
		eS	59 40	ST	0.5	15.8		
10	DH-	eP	15 02 19.4	SZ	0.3	24.7	1.8	
		eS	02 43.7	SR	0.4	40.0		
10	DH-	eP	16 02 56.2	SZ	0.4	8.9	1.5	
		eS	03 16	SR	0.4	12.3		
10	DH-	eP	16 04 33.0	SZ	0.4	11.9	2.0	
		eS	04 59	SR	0.5	47.8		
10	17 37 08.7		33. S 69.4 W MENDOZA PROVINCE, ARGENTINA H= 80 KM MAG 5.40 CGS					
10	LC-	eP	17 48 36.5	SZ	0.9	51.3	73.9	5.40
10	DH-	eP	17 48 43.9	SZ	0.9	39.9	75.0	5.29
10	MN-	eP	17 49 33.0	SZ	0.9	24.3	84.3	5.19
10	RK-	eP	17 49 41.5	SZ	0.6	41.6	86.2	5.60
							AVG.	5.37
10	MN-	eP	17 41 48.3	SZ	0.3	3.1	1.0	
		eS	42 03	SR	0.3	3.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	AD-	eP	18 47 29.9	SZ	0.2	95.8	.5	
		eS	47 38	ST	0.3	233.2		
10	AD-	eL	18 47 38	LZ	15	509.7	.7	
10	AD-	eP	19 08 29.5	SZ	0.2	81.4	1.7	
		eS	09 02	ST	0.2	48.5		
10	LC-	eP	19 44 56.9	SZ	0.4	1.3	3.2	
		e	45 03	SZ	0.5	3.6		
		eS	45 37	SR	0.5	5.3		
10	LC-	eP	19 53 19.0	SZ	0.2	8.1	1.3	
		eS	53 37	SR	0.4	4.6		
10	HW-	eP	21 10 44.0	SZ	0.4	71.2		
10	21 36 32.*		4.8 S 81.3 W NEAR COAST OF NORTHERN PERU H= 45 KM MAG 4.50 CGS					
10	LC-	eP	21 44 39.7	SZ	1.0	2.0	44.1	3.83
		eP	44 41	LZ	17	41.9		
		eLR	22 00 26	LZ	22	101.3		
10	MN-	eP	21 46 02.4	SZ	1.1	7.2	54.9	4.62
							AVG.	4.22
11	00 26 29.9		60.3 N 146.6 W SOUTHERN ALASKA H= 38 KM MAG 4.70 CGS					
11	AD-	eL	00 36 45	LZ	20.	211.5	18.6	
11	AD-	eP	00 53 50.0	SZ	0.2	14.3	.5	
		eS	53 58	ST	0.2	29.1		
11	04 23 56.		23.9 S 66.6 W JUJUY PROVINCE, ARGENTINA H=195 KM MAG 5.30 CGS					
11	11 04 39.		26.4 S 177.8 W SOUTH OF FIJI ISLANDS H=217 KM MAG 4.70 CGS					
11	LC-	eP	11 17 15.5	SZ	1.0	2.9	89.5	4.17
11	AD-	eP	13 47 06.8	SZ	0.2	4.7	1.5	
		eS	47 27	SR	0.2	48.5		
11	DH-	eP	14 35 07.5	SZ	0.3	12.1	1.9	
		eS	35 32	SR	0.3	13.0		
		eP	16 06 49.5	SZ	0.5	3.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	07 14	SR	0.4	22.1		
11	DH-	eP	16 20 36.5	SZ	0.5	9.6	1.8	
		eS	21 00	SR	0.4	22.1		
11	DH-	eP	17 00 37.0	SZ	0.4	2.9	3.7	
		eS	01 22	SR	0.5	17.2		
11	19 47 53.3		16.5 N 93.6 W CHIAPAS, MEXICO H=130 KM MAG 4.20 CGS					
11	LC-	eP	19 52 13.0	SZ	0.5	7.3	19.7	4.33
		epP	52 41	SZ	0.5	6.6		
11	RK-	eP	19 54 28.5	SZ	0.5	19.3	34.3	5.15
							AVG.	4.74
11	DH-	eP	20 16 46.0	SZ	0.5	6.4	1.5	
		eS	17 07	SR	0.6	30.6		
11	LC-	eP	20 33 37.0	SZ	0.6	1.2		
11	LC-	eL	20 35 32	SR	0.7	9		
11	LC-	eP	20 49 27.5	SZ	0.2	8.3	1.4	
		eS	49 46	SR	999.9	9999.9		
11	RK-	eP	21 30 53.0	SZ	0.3	2.7	2.3	
11	AD-	eP	21 31 19.3	SZ	0.2	38.2	1.1	
11	RK-	eS	21 31 23	ST	0.4	8.8	2.3	
11	AD-	eS	21 31 33	SR	0.2	77.7	1.1	
11	LC-	eP	21 56 01.5	SZ	0.3	1.3	4.0	
		eS	56 54	SR	0.5	3.2		
11	LC-	eP	22 07 32.5	SZ	0.2	9999.9	1.5	
		eS	07 50	ST	0.2	9999.9		
11	RK-	eP	23 10 52.5	SZ	0.2	9.7	.6	
		eS	11 01	ST	999.9	9999.9		
12	DH-	eP	00 43 50	LZ	19	617.2		
12	DH-	eL	01 11 35	LZ	32	581.7		
12	AD-	eP	01 56 27.6	SZ	0.3	43.1	1.6	
		eS	56 49	ST	0.3	29.1		
12	LC-	eP	02 08 08.1	SZ	0.7	3.3		
12	05 58 08.*		40. N 139.9 E NEAR W. COAST HONSHU, JAPAN H= 33 KM MAG 4.00 CGS					
12	AD-	eP	06 04 32.5	SZ	0.3	143.7	1.9	
		eS	04 58	ST	0.4	35.1		
12	06 30 00.*		1.7 N 127.8 E HALMAHERA H=172 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	AD-	eP	06 52 11.5	SZ	0.2	100.6	1.7	
		eS	52 34	ST	0.2	102.0		
12	AD-	eP	07 32 59.0	SZ	0.2	43.1	.6	
		eS	33 08	SR	0.2	89.9		
12	MN-	eP	09 32 56.5	SZ	0.4	9999.9		
12	09 59 00.*		21.7 S 66.6 W SOUTHERN BOLIVIA H=309 KM MAG 3.80 CGS					
12	10 48 19.2		24.7 S 170.5 E LOYALTY ISLANDS REGION H= 33 KM MAG 4.00 CGS					
12	MN-	eLR	11 32 15	LZ	24.	80.8	91.7	
12	LC-	eP	11 00 15.2	SZ	0.4	8.0		
12	AD-	eP	12 13 14.0	SZ	0.2	4.7	1.5	
		eS	13 34	SR	0.2	47.3		
12	12 43 19.		4.4 S 144.0 E NEAR NORTH COAST NEW GUINEA H=120 KM MAG 6.50 CGS					
12	AD-	eP	12 53 49.5	SZ	0.7	65.0	65.3	5.63
		eP	53 50	LZ	17	1115.1		
		epP	54 16	SZ	1.5	532.6		
		eS	13 02 46	LR	20	2565.7		
		eLQ	10 32	LT	23	2249.2		
		eLR	13 00	LZ	999	9999.9		
12	HW-	eP	12 53 45	LZ	20	1327.4	64.0	
		e	13 02 05	LZ	20	1327.4		
		eL	12 30	LZ	30	772.5		
12	NP-	eP	12 56 31.1	SZ	0.8	13.0	95.8	5.45
		eP	56 35	LZ	20	269.4		
		epP	57 01	SZ	1.2	44.2		
		e	13 02 00	LT	28	1525.5		
		eLR	27 50	LZ	38	4889.8		
12	MN-	eP	12 56 47.5	SZ	0.9	9.6	98.9	5.38
		eP	56 50	LZ	26	308.0		
		epP	57 18	SZ	0.9	9.6		
		ePP	13 00 45	SZ	2.5	102.9		
		ePP	00 52	LZ	21	460.1		
		eSKS	07 20	ST	2.6	159.8		
		eSKS	07 20	LR	20	1001.8		
		eSKKS	07 50	LR	25	620.5		
		eSP	09 40	LZ	22	1017.5		
		e	15 45	LT	24	1019.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	24 20	LT	34.	1405.7		
		eLR	28 45	LZ	999	9999.9		
12	LC-	ePD	12 57 31	SZ	1.0	3.8	108.7	
		ePP	13 02 00	LZ	21	504.9		
		e	03 05	LR	21	760.5		
		ePS	11 15	LR	17	965.9		
		ePKKP	12 59	SZ	1.1	43.3		
		ePKKP	13 16	SZ	1.0	52.6		
		eLQ	28 25	LR	24	440.4		
		eLR	32 50	LR	32	9999.9		
12	RK-	eP'	13 01 43.4	SZ	0.7	8.5	113.4	
		epP'	02 12	SZ	0.7	7.3		
		ePKKP	12 36	SZ	0.9	24.5		
12	DH-	eP'	13 02 14.0	SZ	0.8	16.0	128.9	
		epP'	02 43	SZ	1.0	32.0		
		ePP	04 22	LZ	23	685.8		
		eLQ	43 52	LR	33	1185.5		
		eLR	44 00	LZ	35	4013.3		
12	JE-	ePP	13 03 20	LZ	23	502.8	121.0	
		eSP	13 23	LZ	23	1082.9		
		eLR	40 40	LZ	32	2285.3		
							AVG.	5.48

12	RK-	eP	13 08 15.5	SZ	0.4	3.3	2.1	
		eS	08 42	SR	0.2	9999.9		
12	14 05 49.3		11.9 N 143.6 E SOUTH OF MARIANA ISLANDS					
			H= 33 KM MAG 4.50 CGS					
12	LC-	eP	14 09 32.5	SZ	0.5	.7	3.8	
		eS	10 18	SR	0.5	18.1		
12	AD-	eL	15 03 06	LZ	37	321.2		
12	15 19 22.3		17.4 S 179.9 W FIJI ISLANDS REGION					
			H=561 KM MAG 5.80 CGS					
12	HW-	eP	15 26 44.0	SZ	0.6	133.8	44.1	5.65
		eP	26 45	LZ	17	649.7		
12	MN-	eP	15 30 35.8	SZ	0.6	20.9	80.2	4.75
		eP	30 37	LZ	18	330.2		
		e	30 54	SZ	0.6	5.2		
		epP	32 45	SZ	1.1	12.3		
		epP	32 45	LZ	18	255.2		
		ePP	33 45	LZ	18	510.4		
		eS	39 58	LT	12	844.7		
		esPS	43 55	LR	30	515.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	52 30	LZ	25.	479.3		
12	LC-	eP	15 31 03.5	SZ	0.9	31.4	85.8	4.99
		epP	33 13	SZ	0.8	6.3		
		eS	40 36	SR	3.0	100.8		
							AVG.	5.13
12	17 08 38.1		18.5 S 67.0 W BOLIVIA					
			H=237 KM MAG 4.20 CGS					
12	18 25 30.7		9.1 N 137.9 E WEST CAROLINE ISLANDS					
			H= 33 KM MAG 4.40 CGS					
12	19 05 47.4		11.2 N 86.9 W NEAR COAST OF NICARAGUA					
			H= 33 KM MAG 4.70 CGS					
12	LC-	eP	20 20 38.0	SZ	0.3	2.7	.1	
		eS	20 43	SR	0.3	10.3		
12	20 25 53.5		45.4 N 149.7 E KURILE ISLANDS					
			H= 53 KM MAG 4.80 CGS					
12	AD-	eL	20 35 08	LZ	22	181.3	23.0	
12	MN-	eP	20 36 32.2	SZ	0.6	2.7	65.3	4.51
		epP	36 47	SZ	1.0	10.8		
12	LC-	eP	20 38 57.0	SZ	0.3	9999.9	1.5	
		eS	39 15	SR	0.3	9999.9		
		eP	21 08 33.8	SZ	0.3	16.7		
		eS	08 53	SR	0.3	10.6		
12	21 19 39.*		12.5 N 89.1 W OFF COAST OF CENTRAL AMERICA					
			H= 55 KM MAG 4.20 CGS					
12	JE-	eP	21 24 03.7	SZ	0.7	81.8	19.4	5.12
12	LC-	eP	21 25 03.1	SZ	0.8	2.3	25.5	3.80
12	DH-	eP	21 26 03.0	SZ	0.6	10.0	32.1	4.82
12	MN-	eP	21 26 42.9	SZ	0.9	5.7	36.5	4.44
12	RK-	eP	21 26 55.6	SZ	0.6	13.3	38.4	4.94
							AVG.	4.62
12	22 07 03.2		49.1 S 164.2 E AUCKLAND ISLANDS REGION					
			H= 33 KM MAG 7.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	HW-	ePb	22 18 57.2	SZ	1.0	280.0	77.5	6.25
		eP	19 00	LZ	13	435.8		
		e	28 35	LZ	25	6785.2		
		eLQ	40 00	LT	32	19.6U		
		eLR	45 30	LT	18	10.1U		
12	AD-	eP	22 20 54	LZ	17	4759.9	101.9	
		e	25 09	LT	18	9999.9		
		eSKS	31 50	LT	18	5820.1		
		ePS	34 05	LT	999	9999.9		
		ePPS	35 10	LT	999	9999.9		
		eSS	40 00	LT	999	9999.9		
		eL	53 35	LZ	999	9999.9		
12	MN-	ePD	22 21 38	LZ	20	9999.9	110.9	
		eP	25 35	SZ	1.5	17.1		
		e	25 48	SZ	1.6	34.4		
		ePP	26 10	LZ	999	9999.9		
		ePP	26 11	SZ	2.0	197.9		
		e	26 38	SZ	2.2	239.0		
		e	27 27	SR	2.6	182.3		
		e	30 30	SZ	3.5	270.3		
		eSKS	32 25	LT	999	9999.9		
		ePS	35 50	LT	999	9999.9		
		eL	23 05 09	SZ	17.5	14.0U		
12	LC-	ePD	22 21 50	LZ	18	1319.4	113.2	
		eP	25 25	LZ	20	618.7		
		eP	25 40	SZ	0.8	3.4		
		ePP	26 28	SZ	3.0	918.4		
		ePP	26 30	LZ	999	9999.9		
		ePKKP	36 29	SZ	0.9	1.4		
		ePKKP	36 30	LZ	999	9999.9		
		ePCPP	40 25	SZ	3.5	379.4		
		eL	23 02 15	SZ	25.0	27.1U		
12	JE-	ePD	22 22 35	LZ	20	1996.1	121.9	
		eP	26 00	SZ	1.0	51.4		
		eP	26 03	LZ	14	3762.9		
		ePP	27 30	LZ	17	9999.9		
12	NP-	eP	22 26 14.0	SZ	1.4	87.5	134.0	
		eP	26 15	LZ	16	5708.8		
		ePP	28 44	SZ	2.5	475.8		
		ePP	28 45	LZ	23	7048.8		
		ePKS	29 45	ST	999.9	9999.9		
		eSPP	41 10	LZ	24	9112.5		
		eLQ	23 02 05	LR	28	15.1U		
		eLR	09 50	LZ	30	13.1U		
12	RK-	eP	22 26 15.0	SZ	1.0	34.3	132.1	
		ePP	28 40	SZ	2.5	545.0		
		ePKS	29 37	ST	3.0	3011.4		
		e	31 38	SR	0.7	20.4		
12	DH-	eP	22 26 18.2	SZ	0.3	2.8	139.1	
		eP	26 22	LZ	999	9999.9		
		epP	26 28	SZ	1.7	300.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	29 22	LR	20.	9999.9		
12	MN-	eP	22 23 29.5	SZ	0.5	2.2	2.7	
		eS	24 00	SR	0.5	1.8		
12	MN-	eP	22 35 43.7	SZ	0.3	4.7	1.4	
		eS	36 02	SR	0.3	5.2		
12	MN-	eP	22 38 14.6	SZ	0.4	2.8	3.0	
		eS	38 51	SR	0.9	5.0		
13	MN-	eL	00 14 20	LT	16	9999.9		
13	AD-	eP	00 14 57.5	SZ	0.2	67.0	1.3	
		eS	15 14	ST	0.3	131.1		
13	HW-	e	00 17 10	LR	30	9999.9		
13	00 21 06.7		49.3 S 163.7 E AUCKLAND ISLANDS REGION H= 33 KM					
13	HW-	eL	00 32 30	LR	23.	3654.9		
13	MN-	eP	01 04 07.5	SZ	0.3	1.8	3.0	
		eS	04 44	SR	0.5	1.5		
13	LC-	eP	01 42 18.5	SZ	0.5	2.2	1.8	
		eS	42 42	SR	0.6	5.6		
13	02 50 18.2		49.4 S 162.9 E AUCKLAND ISLANDS REGION H= 33 KM					
13	LC-	eL	03 46 45	LR	30.	1860.1	114.1	
13	MN-	eL	03 48 25	LZ	18	168.6	111.7	
13	03 26 36.*		28.1 S 66.5 W CATAMARCA PROV., ARGENTINA H= 54 KM MAG 4.40 CGS					
13	AD-	eP	04 12 31.4	SZ	0.2	95.8	2.4	
		eS	13 03	SR	0.2	102.0		
13	AD-	eP	04 42 58.8	SZ	0.2	62.2	1.5	
		eS	43 20	ST	0.2	102.0		
13	04 47 45.4		6.3 S 127.8 E BANDA SEA H=373 KM MAG 5.00 CGS					
13	AD-	eP	06 06 35.2	SZ	0.2	47.9	1.8	
		eS	07 00	SR	0.3	29.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	07 27 29.*		12.4 N 89.2 W OFF COAST OF CENTRAL AMERICA H= 51 KM MAG 4.30 CGS					
13	LC-	eP	07 32 54.5	SZ	1.0	3.8	25.5	3.94
13	MN-	eP	07 34 34.5	SZ	1.0	3.4	36.5	4.16
		eL	48 30	LT	22	147.6		
13	RK-	eP	07 34 46.5	SZ	0.8	7.2	38.5	4.53
							AVG.	4.21
13	HW-	eP	07 27 54.5	SZ	0.3	71.4	1.2	
		eS	28 10	ST	0.4	122.3		
13	08 46 46.*		15.6 S 172.7 W SAMOA ISLANDS REGION H= 33 KM MAG 4.20 CGS					
13	09 29 08.*		53.9 N 168.7 E KOMANDORSKY ISLANDS REGION H= 33 KM MAG 4.20 CGS					
13	AD-	eL	09 33 37	LZ	18	127.6	9.1	
13	10 29 17.*		15.1 N 44.7 W NORTH ATLANTIC RIDGE H= 33 KM MAG 4.30 CGS					
13	LC-	eP	10 39 14.0	SZ	0.9	4.4	58.5	4.50
13	DH-	eL	10 46 50	LZ	25	378.1	37.5	
13	JE-	eL	10 50 10	LZ	32	432.6	46.1	
13	MN-	eL	11 02 05	LZ	30	109.5	67.9	
13	11 03 50.		19.8 S 177.7 W FIJI ISLANDS REGION H=357 KM MAG 5.20 CGS					
13	MN-	eP	11 15 25.0	SZ	1.0	6.8	80.4	4.38
13	LC-	eP	11 15 51.5	SZ	1.0	5.8	85.5	4.37
							AVG.	4.37
13	11 52 19.*		16.3 N 91.8 W MEXICO GUATEMALA BORDER REG. H=234 KM MAG 3.80 CGS					
13	LC-	eP	11 56 43.0	SZ	0.6	4.0	20.9	4.06
13	AD-	eP	12 10 21.2	SZ	0.2	71.8	1.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	10 36	ST	0.2	233.2		
13	12 41 50.6		17.6 S 178.0 W FIJI ISLANDS REGION H=421 KM MAG 4.40 CGS					
13	MN-	eP	12 53 11.5	SZ	0.5	2.2	79.0	4.09
13	HW-	eP	13 39 44.0	SZ	0.5	75.4	1.0	
		eS	39 59	SR	0.3	300.0		
13	15 07 31.9		49.4 S 163.3 E AUCKLAND ISLANDS REGION H= 33 KM					
13	15 52 24.*		15.8 S 172.9 W SAMOA ISLANDS REGION H= 33 KM MAG 4.70 CGS					
13	MN-	eP	16 04 01.0	SZ	1.0	3.4	74.4	4.27
13	LC-	eP	16 04 30.0	SZ	1.0	3.8	79.5	4.29
							AVG.	4.28
13	16 55 48.*		50.3 N 153.0 E KURILE ISLANDS H=249 KM MAG 4.30 CGS					
13	17 44 10.*		61.4 N 149.8 W SOUTHERN ALASKA H= 33 KM MAG 3.90 CGS					
13	AD-	eP	18 17 35.3	SZ	0.2	52.6	.5	
		eS	17 43	ST	0.2	174.9		
13	19 40 44.*		58.8 N 154.9 W ALASKA PENINSULA H= 83 KM MAG 4.70 CGS					
13	MN-	eP	19 46 56.5	SZ	0.6	3.5	31.1	4.31
13	LC-	eP	19 48 25.5	SZ	0.6	2.0	41.6	4.11
							AVG.	4.21
13	21 38 32.		18.2 N 100.5 W GUERRERO, MEXICO H= 20 KM MAG 4.30 CGS					
13	LC-	eP	21 42 12.5	SZ	0.9	18.7	15.2	4.49

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	42 28	SZ	1.0	10.7		
13	MN-	eP	21 43 59.0	SZ	0.8	2.5	25.4	3.92
							AVG.	4.20
13	MN-	eP	21 59 27.5	SZ	0.4	1.1	1.5	
		eS	59 46	SR	0.5	9999.9		
13	LC-	eP	21 59 52.5	SZ	0.2	5.1	2.8	
		e	22 00 02	SZ	0.5	3.6		
		eS	00 28	ST	0.5	3.6		
13	MN-	eP	22 29 47.5	SZ	0.6	1.4	2.7	
		eS	30 23	SR	0.6	1.0		
13	22 31 22.*		54.4 N 163.7 W UNIMAK ISLAND REGION					
			H= 33 KM MAG 3.70 CGS					
13	23 01 06.*		58.5 N 30.8 W NORTH ATLANTIC OCEAN					
			H= 33 KM MAG 4.30 CGS					
13	JE-	eL	23 27 15	LZ	25	164.7	48.6	
13	MN-	eL	23 29 35	LZ	32	181.7	56.9	
13	23 23 35.*		58.3 N 32.4 W NORTH ATLANTIC OCEAN					
			H= 25 KM MAG 4.30 CGS					
14	06 19 51.*		59.3 N 32.1 W NORTH ATLANTIC OCEAN					
			H= 33 KM MAG 4.60 CGS					
14	DH-	eL	06 35 42	LZ	23	411.8	31.3	
		eL	37 02	LR	27	655.8		
		eL	37 02	LT	22	336.0		
14	NP-	eL	06 37 05	LZ	30	223.2	32.9	
14	JE-	eL	06 46 11	LZ	24	316.5	48.0	
14	MN-	eL	06 47 37	LT	40	308.3	56.0	
14	LC-	eL	06 48 43	LR	17	247.3	55.0	
14	06 34 42.*		59.4 N 31.2 W NORTH ATLANTIC OCEAN					
			H= 33 KM MAG 4.50 CGS					
14	DH-	eL	06 50 59	LZ	23	308.8	31.8	
		eL	52 18	LT	18	282.6		
		eL	52 18	LR	18	151.7		
14	AD-	eP	07 26 39.0	SZ	0.3	107.7	1.3	
		eS	26 56	ST	0.3	192.8		
14	AD-	eP	07 38 27.8	SZ	0.2	23.9	.8	
		eS	38 38	ST	0.2	95.2		
14	AD-	eP	07 45 03.3	SZ	0.2	23.9	1.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	45 26	ST	0.3	28.5		
14	10 17 46.6		56.7 N 157.4 W ALASKA PENINSULA					
			H= 61 KM MAG 5.70 CGS					
14	AD-	eP	10 20 40.0	SZ	0.3	25.1	12.2	5.58
		eL	22 55	ST	0.3	25.0		
		e	23 26	LZ	8	552.7		
		eL	24 00	LZ	25	461.5		
14	NP-	eP	10 22 57.3	SZ	0.5	12.6	24.0	4.64
		eL	29 51	LT	37	627.9		
14	MN-	eP	10 24 06.0	SZ	0.9	15.3	31.6	4.81
		ePCP	26 56	SZ	0.5	3.8		
		eL	32 42	LZ	27	532.5		
		eL	33 48	LR	26	568.7		
		eL	33 48	LT	24	111.5		
14	LC-	eP	10 25 36.8	SZ	0.8	19.8	42.3	4.94
		e	25 54	SZ	1.2	28.0		
14	JE-	eP	10 26 42.4	SZ	0.6	51.5	50.7	5.68
14	DH-	eP	10 26 53.9	SZ	0.8	10.6	52.3	4.88
							AVG.	5.08
14	10 48 18.*		17.9 S 69.7 W PERU BOLIVIA BORDER REGION					
			H=192 KM MAG 3.50 CGS					
14	11 35 54.*		52.3 N 170.8 W FOX ALEUTIAN ISLANDS					
			H= 50 KM MAG 3.80 CGS					
14	AD-	eP	11 36 50.3	SZ	0.2	110.1	3.7	5.54
		eS	37 34	ST	0.3	96.4		
		eL	37 48	LT	23	716.6		
14	11 58 31.*		41.9 S 89.5 W SOUTHERN PACIFIC OCEAN					
			H= 33 KM MAG 4.50 CGS					
14	LC-	eL	12 31 09	LR	26.	369.5	75.6	
14	AD-	eL	12 53 40	LZ	29	251.3	120.0	
14	12 25 04.4		44.7 N 146.4 E KURILE ISLANDS					
			H=149 KM MAG 4.40 CGS					
14	MN-	eP	12 35 47.5	SZ	1.1	5.1	67.6	4.24
14	AD-	eP	12 31 19.0	SZ	0.2	95.8	.8	
		eS	31 29	ST	0.2	9999.9		
14	12 56 32.2		9.5 S 111.8 E SOUTH OF JAVA					
			H=127 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	NP-	eL	13 52 25	LZ	25.	376.2	107.9	
14	DH-	eP	13 16 04.4	SZ	0.7	12.1		
14	13 33 33.7		15. N 93.2 W NEAR COAST CHIAPAS, MEXICO H= 64 KM MAG 4.90 CGS					
14	JE-	eP	13 37 26.6	SZ	2.5	4439.3	16.7	6.21
		eP	37 27	LZ	16	969.3		
		e	40 20	ST	0.8	175.4		
		eS	40 43	LR	20	1844.3		
		eL	42 26	LZ	32	3567.8		
14	LC-	eP	13 38 15.8	SZ	999.9	9999.9	21.2	
		eP	38 20	LZ	14	772.6		
		ePCP	42 14	LZ	19	2702.4		
		e	42 18	SR	3.4	464.2		
		eL	44 36	LZ	33	1389.6		
14	DH-	eP	13 39 56.5	SZ	0.9	6.2	31.4	4.42
		e	45 00	LT	24	676.7		
		eL	48 55	LZ	34	3243.1		
14	MN-	eP	13 39 57.9	SZ	1.2	52.3	32.1	5.22
		eP	39 58	LZ	19	227.1		
		eS	45 17	LR	27	1238.4		
		e	45 44	ST	3.6	173.3		
		eSCP	46 27	SZ	1.8	19.8		
		eLQ	48 19	LT	35	3195.6		
		eL	50 48	ST	3.5	240.1		
		eLR	51 48	LZ	21	2566.7		
14	NP-	eP	13 43 54.1	SZ	0.8	81.9	62.8	5.80
14	AD-	eP	13 45 04.2	SZ	0.7	45.0	74.3	5.48
		eP	45 05	LZ	18	182.1		
		e	53 40	LZ	18	121.4		
		e	14 03 25	LZ	22	324.8		
		eL	09 20	LZ	29	858.8		
							AVG.	5.42
14	NP-	eP	14 29 20.6	SZ	1.1	21.9		
14	DH-	eL	14 37 40	LZ	25	1081.2		
14	DH-	eL	14 40 31	LT	18	1931.4		
14	DH-	eL	14 40 31	LR	17	1567.5		
14	JE-	e	14 47 03	LZ	29	1003.5		
14	JE-	eL	14 49 01	LZ	22	1414.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	LC-	e	14 49 47	LR	21.	386.9		
14	MN-	eL	14 50 17	LZ	34	989.3		
14	LC-	eLQ	14 51 11	LR	21	833.4		
14	LC-	eLR	14 54 14	LZ	22	4252.6		
14	AD-	eL	14 55 05	LZ	22	180.4		
14	15 21 09.		28. N 55.8 E SOUTHERN IRAN H= 33 KM MAG 4.80 CGS					
14	NP-	eP	15 32 54.5	SZ	0.8	27.9	76.0	5.34
14	15 45 22.2		15.5 N 90.8 W GUATEMALA H= 38 KM MAG 4.80 CGS					
14	LC-	eP	15 50 15.6	SZ	1.0	64.2	22.1	4.98
		eP	50 16	LZ	21	604.1		
		e	52 08	LZ	19	614.1		
		e	54 20	LZ	20	9999.9		
		eS	54 24	ST	2.0	73.5		
		eLQ	56 50	LR	30	1072.5		
		eL	57 45	ST	1.9	49.0		
		eLR	16 00 25	LZ	22	9999.9		
14	DH-	eP	15 51 31.7	SZ	1.0	32.6	30.0	5.08
		eL	56 58	LZ	27	554.2		
14	MN-	eP	15 51 58.0	SZ	0.7	17.8	33.2	5.07
		eP	51 58	LZ	14	226.8		
		eS	57 28	LR	26	866.2		
		eL	16 01 34	LT	32	9999.9		
		eL	03 34	ST	2.8	45.2		
14	JE-	e	15 52 08	ST	0.8	133.2	16.2	
		eS	52 36	LR	24	1559.2		
		eL	55 04	LT	26	2961.6		
		eL	57 36	LT	28	5801.9		
		eL	57 36	LR	29	3821.0		
14	NP-	eP	15 55 45.5	SZ	0.5	3.7	62.6	4.74
		eL	16 15 16	LT	36	1513.2		
14	RK-	eL	16 02 00	ST	2.6	187.2	35.3	
							AVG.	4.96
14	HW-	eP	16 02 28.2	SZ	0.4	62.6	1.4	
		eS	02 47	ST	999.9	9999.9		
14	NP-	eP	16 08 36.5	SZ	0.8	7.9		
14	AD-	eL	16 08 42	LZ	26	132.1		
14	AD-	eP	16 19 07.2	SZ	0.2	67.0	1.7	
		eS	19 30	ST	0.2	52.3		
14	MN-	eP	17 00 51.8	SZ	1.0	1.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	DH-	eP	18 27 26.5	SZ	0.3	9.3	1.6	
		eS	27 49	SR	0.4	31.6		
14	MN-	eP	18 38 09.0	SZ	0.6	3.4	2.5	
		eS	38 41	SR	0.6	3.7		
14	LC-	eP	19 18 02.4	SZ	0.2	.9	.6	
		eS	18 11	SR	0.5	11.7		
14	20 40 26.5		45.2 N 150.3 E KURILE ISLANDS					
			H= 33 KM MAG 5.00 CGS					
14	NP-	eP	20 48 53.5	SZ	0.6	9.0	46.7	4.96
		eL	21 03 52	LZ	35	584.1		
14	AD-	ePCP	20 49 30	LZ	22	415.1	22.7	
		eL	51 26	LZ	25	997.0		
14	MN-	eP	20 51 06.0	SZ	0.9	6.4	65.0	4.75
							AVG.	4.85
14	22 41 17.2		16. N 99.9 W NEAR COAST GUERRERO, MEXICO					
			H= 33 KM MAG 4.70 CGS					
14	LC-	eP	22 45 18.4	SZ	1.0	27.2	17.4	4.37
		eS	48 52	LZ	19	624.0		
		eL	50 27	SZ	3.5	516.8		
		eL	50 30	LR	999	9999.9		
14	MN-	eP	22 47 04.6	SZ	1.5	26.4	27.5	4.73
		eS	51 56	LR	21	401.6		
		eL	54 14	LT	26	706.6		
14	NP-	eP	22 51 30.0	SZ	1.0	21.2	61.1	5.20
		eL	23 11 29	LT	31	790.5		
14	JE-	eL	22 52 02	LZ	27	541.5	17.3	
14	DH-	eL	22 55 54	LZ	35	915.7	33.8	
							AVG.	4.76
14	23 55 49.8		44.8 N 147.8 E KURILE ISLANDS					
			H= 33 KM MAG 4.20 CGS					
15	01 00 08.		15.6 S 175.9 W TONGA ISLANDS					
			H= 9 KM MAG 4.90 CGS					
15	MN-	eP	01 11 59.3	SZ	1.2	16.6	76.2	5.02
15	LC-	eP	01 12 28.2	SZ	1.0	2.9	81.6	4.30
		e	12 30	SZ	1.0	11.6		
		eL	37 45	LZ	23	630.8		
15	AD-	eL	01 30 40	LZ	30	197.2	67.2	
15	DH-	eL	01 53 15	LZ	17	161.3	108.4	
							AVG.	4.66

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	MN-	eP	01 42 16.5	SZ	1.0	1.6		
15	LC-	eP	01 47 14.0	SZ	0.4	.3		
15	LC-	eL	01 48 37	SR	0.5	1.4		
15	AD-	eL	02 01 15	LZ	20	130.4		
15	AD-	eP	02 15 02.2	SZ	0.2	110.1	.1	
		eS	15 04	ST	0.2	143.7		
15	AD-	eP	03 23 21.4	SZ	0.3	71.8	1.4	
		eS	23 39	ST	0.3	215.5		
15	LC-	eP	03 56 24.0	SZ	0.2	4.1	1.6	
		eS	56 46	SR	0.3	6.6		
15	AD-	eP	04 04 47.5	SZ	0.2	33.5	1.2	
		eS	05 03	ST	0.2	81.4		
15	05 09 23.*		15.1 N 91.0 W MEXICO GUATEMALA BORDER REG.					
			H= 33 KM MAG 3.80 CGS					
15	LC-	eP	05 14 16.0	SZ	0.7	.9	22.3	3.33
		e	14 19	SZ	0.6	3.6		
15	MN-	eP	05 15 57.0	SZ	1.0	1.6	33.4	3.89
							AVG.	3.61
15	05 37 45.4		1 S 124.6 E MOLUCCA SEA					
			H= 33 KM MAG 5.30 CGS					
15	AD-	eP	05 49 03.8	SZ	0.7	40.0	71.3	5.56
		eP	49 05	LZ	18	263.1		
		e	56 07	LT	17	212.6		
		eS	58 30	LT	17	779.7		
		e	06 06 50	LZ	23	415.1		
		eL	11 33	LZ	30	876.6		
15	HW-	eP	05 49 55.0	SZ	1.0	76.3	80.3	5.57
		e	50 13	SZ	0.6	47.9		
15	NP-	eP	05 51 11.0	SZ	1.0	17.3	96.1	5.55
		eL	06 25 42	LZ	33	313.5		
15	MN-	e	05 52 45	SZ	0.7	.4	111.1	
		eP?	56 08	SZ	1.0	1.6		
15	LC-	eP?	05 56 39.3	SZ	1.0	12.6	122.1	
		e	56 58	SZ	0.7	7.2		
		ePKKP	06 06 35	SZ	1.0	8.7		
15	JE-	eP?	05 57 01.0	SZ	0.8	24.3	133.2	
		e	57 20	SZ	0.7	25.5		
		ePP	59 25	SZ	0.9	7.9		
		e	06 01 25	SZ	1.0	30.8		
		e	17 15	LT	23	473.7		
		eL	40 00	LZ	32	553.7		
		eL	42 30	LR	26	609.4		
		eL	42 30	LT	25	346.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	42 30	LZ	32.	553.7		
							AVG.	5.56
15	DH-	eP	06 00 26.5	SZ	0.9	18.4		
15	07 51 28.8		15.4 N 90.6 W GUATEMALA H= 33 KM MAG 3.90 CGS					
15	MN-	eP	07 58 07.3	SZ	1.3	8.0	33.4	4.46
15	08 57 56.5		56.4 S 27.2 W SOUTH SANDWICH ISLANDS REG. H= 33 KM MAG 6.10 CGS					
15	MN-	eP1	09 16 46.5	SZ	0.5	.9	121.5	
15	NP-	eP12	09 17 26.0	SZ	0.7	13.0	144.3	
15	11 44 13.7		22.2 S 175.2 W TONGA ISLANDS REGION H= 33 KM MAG 4.70 CGS					
15	MN-	eP	11 56 26.0	SZ	0.9	4.4	80.6	4.40
15	12 44 12.2		16. S 172.9 W SAMOA ISLANDS REGION H= 33 KM MAG 5.30 CGS					
15	MN-	iP	12 55 50.0D	SZ	1.0	21.6	74.6	5.07
		eS	13 05 37	LR	18	306.9		
		eLQ	15 35	LR	25	448.0		
		eLR	18 32	LZ	28	286.0		
		eL	20 50	LT	20	476.3		
		eL	20 50	LR	20	94.1		
		eL	20 50	LZ	22	567.9		
15	LC-	eP	12 56 18.3	SZ	0.9	27.7	79.6	5.18
		epP	56 27	SZ	0.8	16.7		
		eL	13 25 00	LZ	17	1495.1		
15	HW-	eL	13 02 55	LZ	23	569.6	39.5	
15	AD-	eS	13 04 16	LT	15	392.9	67.7	
		eL	15 12	LZ	25	369.2		
15	JE-	eL	13 28 43	LZ	22	187.4	90.8	
15	NP-	eL	13 34 00	LZ	22	389.8	97.4	
15	DH-	eL	13 37 48	LZ	24	406.0	106.4	
							AVG.	5.12

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	13 12 54.*		15.8 S 173.1 W TONGA ISLANDS H= 33 KM MAG 4.60 CGS					
15	MN-	eP	13 24 31.4	SZ	1.0	3.3	74.5	4.26
15	LC-	eP	13 25 00.0	SZ	0.7	1.9	79.6	4.14
							AVG.	4.20
15	15 29 32.2		8.9 N 93.1 E NICOBAR ISLANDS REGION H= 37 KM MAG 6.20 CGS					
15	AD-	eP	15 41 55.5	SZ	0.9	100.6	83.2	5.94
		eP	42 00	LZ	999	9999.9		
		ePP	45 08	SZ	1.3	96.7		
		e	52 12	LT	19	4545.4		
		eSS	57 42	LT	18	4338.4		
		e	58 50	LR	27	6126.8		
		e	16 04 10	LZ	999	9999.9		
		eLQ	05 00	LT	999	9999.9		
		eLR	10 00	LZ	999	9999.9		
15	NP-	eP	15 42 43.0	SZ	1.5	346.5	92.9	6.52
		eP	42 44	LZ	17	2027.2		
		ePP	46 22	SZ	1.0	59.4		
		ePP	46 24	LZ	17	1871.3		
		e	48 08	SZ	1.2	30.5		
		eSKS	53 10	SR	2.0	234.7		
		eSKS	53 31	LT	26	7173.3		
		eS	53 46	SR	1.8	190.0		
		ePS	55 20	LR	31	8204.8		
		e	56 20	SZ	4.0	705.6		
		ePKKP	59 53	SZ	1.0	9.9		
		eSS	16 00 10	LR	39	10.7U		
		e	04 22	LZ	22	2664.0		
		e	05 35	LZ	26	4988.1		
		eLQ	12 30	LR	44	13.9U		
		eLR	17 22	LZ	36	16.1U		
15	HW-	ePD	15 43 43	LZ	17	759.4	106.5	
		ePP	47 55	LZ	16	1992.8		
		eSP	57 25	LZ	21	2047.2		
		ePSS	16 03 40	LR	21	7523.5		
		eL	18 40	LZ	35	7237.3		
15	MN-	ePD	15 45 12	LZ	20	245.8	124.6	
		eP1	48 30	LZ	15	487.5		
		eP1	48 31	SZ	999.9	9999.9		
		epP1	48 40	SZ	0.9	44.8		
		ePP	50 18	LZ	17	2770.0		
		eSKP	52 00	SZ	1.2	43.5		
		e	55 00	SR	4.0	436.8		
		e	16 01 00	LR	27	2495.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePSP	02 10	LZ	24.	2600.9		
		eSS	07 15	LT	28	4199.6		
		e	08 10	LR	44	9999.9		
		e	21 50	LZ	28	3718.5		
		eLQ	22 55	LT	999	9999.9		
		eLR	31 50	LZ	999	9999.9		
15	RK-	eP	15 48 20.6	SZ	0.5	25.7	120.2	
		e	49 42	SR	1.0	55.5		
		ePKKP	58 26	SZ	1.0	12.6		
15	LC-	e	15 48 35	SZ	1.0	1.9	134.8	
		e	48 40	SZ	0.8	6.3		
		eP	48 50	LZ	18	2405.0		
		eP	48 50	SZ	0.7	24.2		
		ePP	51 16	SZ	1.2	80.9		
		ePP	51 20	LZ	999	9999.9		
		eSKP	52 15	SZ	0.9	109.4		
		eSKS	55 52	ST	3.2	375.2		
		ePCPP	16 01 14	SZ	2.8	234.4		
		e	04 49	SZ	5.0	689.8		
		eLQ	34 25	LR	999	9999.9		
		eLR	38 00	LZ	999	9999.9		
15	DH-	eP	15 48 35.8	SZ	0.7	39.6	127.9	
		ePP	50 37	LZ	17	3307.1		
		ePP	50 40	SZ	1.3	92.0		
		eSKP	52 22	LZ	23	2688.7		
		ePSP	16 02 25	LZ	20	3122.1		
		e	03 55	LZ	27	4957.1		
		eSS	07 32	LR	24	9112.5		
		e	08 50	LT	30	7250.6		
		eLQ	28 35	LR	999	9999.9		
		eLR	33 00	LZ	999	9999.9		
15	JE-	eP	15 48 50	LZ	13	2896.6	139.3	
		eP	48 50	SZ	0.8	91.3		
		ePP	51 40	LZ	15	4821.5		
		eSP	16 02 20	LZ	17	2968.9		
		ePSP	04 35	LZ	30	6645.4		
		e	10 10	LZ	22	6522.7		
		eL	34 40	LR	999	9999.9		
							AVG.	6.23
15	AD-	eP	15 41 01.5	SZ	0.2	23.9	.5	
		eS	41 19	ST	0.2	91.0		
15	16 13 33.*	41.6 S 73.6 W NEAR COAST OF SOUTHERN CHILE H= 82 KM MAG 4.20 CGS						
15	LC-	eP	16 25 40.0	SZ	0.9	2.9	79.7	4.15

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	18 37 10.1	6.6 S 146.8 E EAST NEW GUINEA REGION H= 59 KM MAG 5.10 CGS						
15	18 44 49.*	48.6 N 154.0 E KURILE ISLANDS H= 33 KM MAG 4.70 CGS						
15	AD-	eP	19 06 14.3	SZ	0.2	258.6		
15	LC-	eP	20 02 33.0	SZ	0.2	2.3	2.9	
		eS	03 09	ST	0.2	3.3		
15	LC-	e	20 11 45	LR	25	392.7		
15	LC-	eL	20 18 40	LZ	17	1930.3		
15	20 23 35.2	54.5 S 53.4 W SOUTH ATLANTIC OCEAN H= 33 KM MAG 5.20 CGS						
15	NP-	eP	20 42 44.5	SZ	0.9	2.6	137.0	
15	AD-	eP1	20 43 02.0	SZ	0.6	71.5	146.7	
		eL	21 32 27	LZ	28	181.1		
15	LC-	eP	20 39 44.6	SZ	0.2	9999.9	1.4	
		eS	40 04	ST	0.3	7.1		
15	21 00 31.7	58.7 S 66.5 W DRAKE PASSAGE H= 33 KM MAG 5.20 CGS						
15	MN-	ePP	21 19 14	SZ	1.2	3.8	105.9	
15	NP-	eP	21 19 55.6	SZ	0.8	5.5	138.8	
15	LC-	eP	21 09 18.0	SZ	0.2	2.3		
15	LC-	eL	21 10 17	SR	0.3	2.4		
15	21 56 07.2	15.3 N 90.8 W GUATEMALA H= 74 KM MAG 4.40 CGS						
15	LC-	eP	22 00 59.6	SZ	0.9	23.9	22.3	4.56
16	01 26 26.9	10.9 N 93.1 E ANDAMAN ISLANDS REGION H= 47 KM MAG 5.70 CGS						
16	NP-	eP	01 39 28.7	SZ	1.0	27.6	90.9	5.48

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	42 58	SZ	1.5	18.4		
		eL	02 03 11	LZ	17	9999.9		
		eL	03 56	SZ	9.0	62.1U		
16	MN-	eP	01 45 21.8	SZ	1.2	10.2	122.9	
16	LC-	eP	01 45 40.4	SZ	0.9	1.1	133.0	
		ePP	48 07	SZ	1.0	1.8		
		eSKP	49 13	SZ	0.8	5.0		
		e	54 00	SZ	0.9	1.4		
16	AD-	e	01 44 05	LZ	18.	141.6		
16	AD-	e	01 49 32	LZ	24	254.4		
16	01 50 33.9		60. N 147.1 W GULF OF ALASKA					
			H= 29 KM MAG 5.75 CGS					
16	AD-	eP	01 54 46.0	SZ	0.7	55.0	18.3	4.85
		eP	54 46	LZ	20	540.2		
		ePP	55 22	LZ	16	1847.1		
		eS	58 21	LT	18	9999.9		
		eL	02 00 10	LZ	999	9999.9		
16	NP-	eP	01 54 52.8	SZ	1.1	136.4	18.9	5.11
		eP	54 53	LZ	21	4545.1		
		eS	58 33	LT	15	9999.9		
		e	58 43	ST	3.1	1539.8		
		eL	02 00 26	LT	19	9999.9		
		eL	01 33	SZ	2.0	426.2		
16	MN-	eP	01 56 26.8	SZ	0.5	9.4	28.3	4.82
		eP	56 29	LZ	16	1953.6		
		eS	02 01 16	ST	3.6	433.3		
		eS	01 16	LR	26	9999.9		
		eLQ	03 04	LT	999	9999.9		
		eLR	04 50	LZ	999	9999.9		
		eL	05 44	SZ	18.0	22.6U		
16	LC-	eP	01 57 54.5	SZ	1.0	19.8	38.3	4.84
		e	58 00	SZ	1.5	114.1		
		e	02 00 33	SR	3.2	193.9		
		e	08 06	ST	6.0	722.6		
		eL	13 31	ST	10.2	3193.9		
16	HW-	eP	01 58 15.9	SZ	1.4	454.3	40.4	6.00
		eS	02 04 23	LR	18	3203.3		
		eLQ	07 25	LR	19	2783.7		
		eLR	09 52	LR	21	9342.6		
16	JE-	eP	01 58 54.9	SZ	1.0	31.7	45.7	5.21
		eP	58 55	LZ	15	1587.4		
		ePP	02 00 47	LZ	13	1967.9		
		eS	05 43	LR	27	9999.9		
		eSCS	08 55	LT	17	9999.9		
		eLQ	13 35	LT	27	9999.9		
		eL	15 21	ST	5.5	5560.3		
		eLR	16 02	LT	999	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	DH-	eP	01 58 57.6	SZ	1.4	80.9	46.1	5.51
		eP	59 00	LZ	16	419.8		
		ePCS	02 04 25	LR	26	728.1		
		eS	05 46	LR	18	9999.9		
		eSCS	08 43	LR	20	9999.9		
		eLQ	12 47	LT	34	9999.9		
		eLR	13 47	LR	999	9999.9		
		eL	14 50	SR	3.4	1327.2		
							AVG.	5.19
16	NP-	e	02 02 30	SZ	2.7	1291.8		
16	NP-	e	02 03 16	SZ	7.0	22.0U		
16	03 32 34.*		51.6 N 173.8 W ANDREANOF ALEUTIAN ISLANDS					
			H= 45 KM MAG 4.20 CGS					
16	AD-	eL	03 33 39	LZ	18	1295.2	1.8	
16	LC-	eP	03 41 36.8	SZ	0.8	.6	51.6	3.67
16	DH-	eP	03 42 59.1	SZ	0.7	17.7	63.1	5.22
							AVG.	4.44
16	AD-	eP	03 33 03.6	SZ	0.3	9999.9	1.9	
		eS	33 29	ST	999.9	9999.9		
16	AD-	eP	03 56 46.8	SZ	0.2	110.1	.5	
		eS	56 54	ST	0.2	169.0		
16	AD-	eL	05 15 25	LZ	18	182.1		
16	05 20 46.1		5.9 S 152.0 E NEW BRITAIN REGION					
			H= 29 KM MAG 6.20 CGS					
16	MN-	eP	05 34 02.6	SZ	1.0	10.0	93.5	5.15
		eL	06 08 10	LZ	22	278.4		
		eL	10 55	LR	19	695.8		
		eL	10 55	LT	20	452.3		
16	NP-	eP	05 34 08.5	SZ	0.9	32.0	95.4	5.79
		e	34 19	SZ	1.0	77.3		
16	AD-	eS	05 39 50	LR	14	342.5	63.5	
		eLQ	47 02	LT	25	237.3		
		eLR	51 50	LZ	20	372.6		
16	DH-	eL	06 26 12	LZ	22	254.5	125.0	
		eL	32 47	LR	18	354.8		
		eL	32 47	LT	16	190.8		
							AVG.	5.47
16	05 34 30.7		37.1 N 114.9 W SOUTHERN NEVADA					
			H= 33 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	HW-	eL	05 54 43	LR	17.	806.6	39.4	
16	MN-	eP	05 35 15.6	SZ	0.5	5.8	1.5	
		eS	35 24	SR	0.5	27.5		
16	LC-	eP	05 37 06.6	SZ	1.0	3.9		
16	LC-	eL	05 38 46	ST	0.9	4.5		
16	JE-	eL	06 25 22	LZ	17	396.4		
16	LC-	eP	08 14 04.5	SZ	1.0	2.8		
16	08 42 15.*		19.6 N 106.9 W OFF COAST OF JALISCO, MEXICO H= 33 KM MAG 3.60 CGS					
16	MN-	eP	08 46 58.0	SZ	1.4	5.5	21.2	3.71
		eS	51 11	LR	15	295.2		
		eLQ	52 26	LT	24	361.3		
		eLR	53 05	LT	23	358.8		
		eL	53 05	LR	22	119.8		
16	MN-	eP	10 55 18.3	SZ	0.2	1.5	3.2	
		eS	55 58	SR	0.5	2.2		
16	12 22 44.*		34.4 N 119.4 W SOUTHERN CALIFORNIA H= 14 KM MAG 3.80 CGS					
16	MN-	eP	12 23 47.6	SZ	0.5	1.2	3.9	
		eS	24 35	ST	0.5	13.6		
16	LC-	eP	13 07 41.8	SZ	0.6	.7		
16	LC-	eL	13 09 33	SR	0.6	3.6		
16	14 40 38.*		31.4 N 114.0 W GULF OF CALIFORNIA H= 33 KM MAG 4.30 CGS					
16	LC-	eP	14 42 08.6	SZ	0.5	.8	6.4	3.73
		e	42 13	SZ	0.6	8.3		
		eL	44 00	SR	0.8	22.2		
16	MN-	e	14 43 12	SZ	1.0	4.1	7.8	
		eL	45 05	ST	1.0	9.0		
16	15 13 01.5		43.7 N 141.2 E HOKKAIDO, JAPAN REGION H=166 KM MAG 4.20 CGS					
16	HW-	eP	16 04 56.9	SZ	0.3	223.5	1.0	
		eS	05 10	ST	0.4	899.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	17 23 16.1		10.3 S 161.3 E SOLOMON ISLANDS H= 46 KM MAG 4.70 CGS					
16	LC-	eP	18 18 05.4	SZ	0.4	.9	1.6	
		eS	18 27	SR	0.4	3.6		
16	LC-	eP	18 20 43.1	SZ	0.4	8.8	1.5	
		eS	21 03	SR	0.4	4.6		
16	DH-	eP	18 21 35.0	SZ	0.4	17.5	1.9	
		eS	22 00	SR	0.4	27.5		
16	DH-	eP	18 26 19.0	SZ	0.4	32.2	1.7	
		eS	26 42	SR	0.5	67.0		
16	AD-	eP	18 40 34.3	SZ	0.2	143.7	.5	
		eS	40 42	ST	999.9	9999.9		
16	DH-	eP	19 03 13.1	SZ	0.5	3.2	4.4	
		eS	04 06	SR	0.4	58.1		
16	19 26 25.*		41.6 N 139.3 E HOKKAIDO, JAPAN REGION H= 33 KM MAG 4.40 CGS					
16	AD-	eL	19 45 35	LZ	22	90.2	31.4	
16	AD-	eL	20 18 00	LZ	18.	607.1		
16	20 32 11.2		29.7 S 69.7 W CHILE ARGENTINA BORDER REG. H= 76 KM MAG 4.60 CGS					
16	20 47 16.		16.1 S 176.5 W FIJI ISLANDS REGION H=352 KM MAG 5.10 CGS					
16	LC-	eP	20 59 02.4	SZ	0.8	17.3	82.4	4.88
16	22 22 18.*		59.6 N 146.7 W GULF OF ALASKA H= 33 KM MAG 4.30 CGS					
16	NP-	eP	22 26 41.3	SZ	1.2	18.9	19.3	4.23
16	AD-	eL	22 32 02	LT	25	445.0	18.4	
16	22 23 36.3		22.9 N 45.1 W NORTH ATLANTIC RIDGE H= 33 KM MAG 5.40 CGS					
16	DH-	eP	22 29 58.1	SZ	1.1	41.9	31.4	5.22
		eS	35 18	LR	22	481.0		
		eLQ	36 49	LR	29	1307.5		
		eLR	38 04	LZ	22	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	RK-	eP	22 32 03.4	SZ	1.5	73.1	46.7	5.47
		e	32 09	SZ	0.8	22.3		
16	LC-	eP	22 33 04.2	SZ	1.5	42.8	54.7	5.26
16	MN-	eP	22 34 03.9	SZ	2.2	71.7	63.2	5.36
		eS	42 59	LT	22	415.5		
		e	47 06	LR	20	288.6		
		e	49 46	LT	24	361.3		
		eLQ	52 30	LT	26	592.6		
		eLR	53 52	LZ	34	9999.9		
16	NP-	eP	22 34 10.0	SZ	1.2	26.4	64.2	5.24
		ePS	43 12	LT	25	436.1		
		eLQ	51 31	LR	45	1927.0		
		eLR	55 05	LZ	27	1958.7		
16	JE-	eS	22 37 59	LR	13	2432.6	42.3	
		eL	43 18	LZ	25	2872.7		
							AVG.	5.31
16	22 37 26.5		56.3 N 162.8 E NEAR EAST COAST OF KAMCHATKA H= 29 KM MAG 5.10 CGS					
16	AD-	eL	22 43 33	LZ	23	379.0	12.8	
16	NP-	eP	22 44 05.2	SZ	1.0	27.6	33.5	5.11
16	RK-	eP	22 47 03.3	SZ	1.0	27.8	56.0	5.24
16	LC-	eP	22 48 00.2	SZ	999.9	9999.9	64.0	
							AVG.	5.17
16	MN-	eP	22 46 40.8	SZ	0.4	7.4	3.0	
		eS	47 18	SR	0.5	8.8		
16	AD-	e	23 09 29	LT	27	624.5		
16	AD-	eL	23 14 40	LZ	23	649.7		
17	02 06 27.*		59.1 N 148.3 W KENAI PENINSULA, ALASKA H= 33 KM MAG 4.20 CGS					
17	NP-	eP	02 11 01.1	SZ	0.7	9.0	20.0	4.15
17	AD-	eL	02 16 23	LZ	16	141.0	17.5	
17	02 48 52.2		17.6 N 100.3 W GUERRERO, MEXICO H= 74 KM MAG 4.40 CGS					
17	LC-	eP	02 52 34.7	SZ	1.0	18.5	15.8	4.26
		e	52 49	SZ	1.0	33.5		
		eL	57 55	LR	20	165.4		
17	JE-	eP	02 52 35.1	SZ	0.8	18.8	16.0	4.35
							AVG.	4.30
17	HW-	eP	04 34 23.1	SZ	0.4	39.7	1.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	34 46	SR	0.6	135.1		
17	05 56 31.*		28.3 N 143.4 E BONIN ISLANDS REGION H= 33 KM MAG 4.50 CGS					
17	RK-	eP	06 09 11.3	SZ	1.0	7.5	86.5	4.76
17	06 59 37.8		26.5 S 176.4 W SOUTH OF FIJI ISLANDS H= 33 KM MAG 4.80 CGS					
17	LC-	e	07 12 30	SZ	1.0	3.8	88.6	
		eL	40 58	LZ	23	134.9		
17	AD-	eL	07 37 00	LZ	17	128.9	78.0	
17	07 41 13.9		15.6 S 72.9 W SOUTHERN PERU H=118 KM MAG 5.00 CGS					
17	DH-	eP	07 50 53.3	SZ	0.9	23.8	57.6	5.17
17	LC-	eP	07 50 54.1	SZ	1.0	17.9	57.6	5.00
							AVG.	5.08
17	10 57 51.*		4.9 N 76.2 W COLOMBIA H=120 KM MAG 4.50 CGS					
17	LC-	eP	11 05 12.3	SZ	0.7	1.8	39.4	4.02
		eL	14 13	LZ	12	715.7		
17	LC-	eP	11 13 04.8	SZ	0.7	.9		
17	LC-	e	11 13 32	SZ	0.8	5.6		
17	LC-	eL	11 14 55	SR	0.7	15.8		
17	JE-	eL	11 22 42	LZ	19	454.6		
17	LC-	eP	13 35 02.8	SZ	0.9	6.6		
17	15 02 00.9		44.5 N 31.3 W NORTH ATLANTIC RIDGE H= 24 KM MAG 5.60 CGS					
17	DH-	eP	15 08 23.1	SZ	1.0	24.8	31.5	5.05
		ePP	09 00	LZ	28	488.1		
		eS	13 28	LR	14	1477.8		
		eL	17 15	LZ	31	5355.7		
17	RK-	eP	15 09 46.1	SZ	0.6	109.3	41.4	5.78
		ePP	11 24	SZ	1.4	137.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	NP-	eP	15 10 30.3	SZ	1.0	375.6	46.8	6.39
		eS	17 22	SR	2.5	109.8		
		eS	17 24	LT	22	675.5		
		e	20 27	LR	22	1135.5		
		eLQ	22 38	LR	38	3775.1		
		eLR	24 00	LZ	35	2199.7		
17	JE-	eP	15 10 43.2	SZ	0.6	48.7	48.4	5.72
		eP	10 44	LZ	14	410.5		
		e	10 50	SZ	1.0	169.4		
		eS	17 42	LT	17	2923.9		
		e	23 46	LR	25	1887.6		
		eL	25 21	LR	27	2518.3		
17	LC-	eP	15 11 56.0	SZ	0.9	17.7	58.3	5.10
		e	12 02	SZ	1.0	34.5		
		eP	12 03	LZ	20	104.5		
		ePPP	15 28	LZ	17	242.9		
		ePCS	16 56	LR	30	589.1		
		eS	20 01	LR	23	595.9		
		eSS	23 59	LR	24	355.7		
		eLQ	26 16	LR	38	533.4		
		eLR	29 08	LR	33	9999.9		
17	AD-	e	15 24 10	LZ	18	120.5	79.5	
		e	28 58	LZ	18	160.7		
		e	34 22	LZ	22	394.1		
		eL	40 00	LZ	35	995.9		
							AVG.	5.60

17 15 06 13.8 12.8 S 168.9 E SANTA CRUZ ISLANDS REGION
H=622 KM MAG 4.50 CGS

17	LC-	eP	17 41 42.3	SZ	0.4	2.3	2.9	
		eS	42 19	ST	0.4	6.8		
17	AD-	eP	18 58 54.8	SZ	0.2	14.3	1.4	
		eS	59 12	ST	0.2	131.1		
17	LC-	eS	20 29 31	SR	0.4	8.9	1.3	
17	LC-	eP	20 55 04.1	SZ	0.3	12.6	1.4	
		eS	55 23	ST	0.5	5.6		
17	LC-	eP	20 59 13.9	SZ	0.4	13.8	1.3	
17	AD-	eP	22 06 12.6	SZ	0.2	335.3	.4	
		eS	06 20	ST	0.2	223.5		

17 22 07 40.* 38.7 N 71.9 W OFF EAST COAST UNITED STATES
H= KM

17	DH-	eP	22 08 46.6	SZ	0.4	29.9	4.2	4.97
17	RK-	eP	22 12 09.6	SZ	0.6	3.1	19.6	3.72
17	LC-	eP	22 13 42.7	SZ	0.7	6.2	28.8	4.55
							AVG.	4.41

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	22 17 20.*		42.8 N 110.8 W WYOMING H= 33 KM MAG 4.00 CGS					
17	AD-	eP	22 59 56.0	SZ	0.2	105.3		
17	AD-	eP	23 15 06.8	SZ	0.2	47.9	.4	
		eS	15 13	ST	0.2	24.2		
17	AD-	eP	23 45 39.5	SZ	0.2	28.7	.5	
		eS	45 47	ST	0.2	43.7		
18	00 08 42.6		35.4 N 28.8 E EASTERN MEDITERRANEAN SEA H= 18 KM MAG 4.70 CGS					
18	NP-	eP	00 19 34.0	SZ	0.5	2.4	66.8	4.64
18	RK-	eP	00 20 55.3	SZ	1.0	9.8	80.3	4.70
18	DH-	eL	00 46 15	LR	25	346.1	76.0	
18	AD-	eLR	00 53 47	LZ	37	308.3	90.3	
18	LC-	eLQ	00 57 00	LR	30	363.2	100.6	
		eLR	01 01 10	LZ	26	216.6		
							AVG.	4.67
18	AD-	eP	00 30 50.9	SZ	0.3	21.5	1.9	
		eS	31 16	ST	0.3	24.9		
18	NP-	eL	00 33 31	LR	30	522.1		
18	AD-	eP	00 45 13.0	SZ	0.2	9.5	2.8	
		eS	45 48	SR	0.2	14.2		
18	AD-	eP	01 00 54.2	SZ	0.2	7.1	3.2	
		eS	01 33	SR	0.2	11.8		
18	AD-	eP	01 22 18.6	SZ	0.2	255.6	1.0	
		e	22 32	ST	0.3	91.1		
18	AD-	eS	01 22 56	ST	0.3	207.7		
18	NP-	eP	05 14 13.6	SZ	0.4	5.1		
18	06 00 21.*		20.1 S 67.6 W SOUTHERN BOLIVIA H=290 KM MAG 3.60 CGS					
18	MN-	eP	06 05 34.0	SZ	0.6	2.0	2.5	
		eS	06 06	SR	0.4	3.6		
18	07 20 34.*		54.2 N 164.0 W UNIMAK ISLAND REGION H= 33 KM MAG 4.40 CGS					
18	AD-	eP	07 22 31.0	SZ	0.4	17.1	8.0	5.43
		eL	24 15	SR	0.6	21.3		
18	NP-	eP	07 51 31.7	SZ	0.6	31.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	07 59 54.8		72.9 N 55.2 E NOVAYA ZEMLYA H= KM MAG 4.30 CGS					
18	MN-	eP	10 07 48.6	SZ	0.4	5.1	.8	
		eS	08 00	SR	999.9	9999.9		
18	10 25 28.1		19.4 N 155.3 W HAWAII REGION H= 10 KM MAG 4.50 CGS					
18	HW-	eP	10 25 44.5	SZ	999.9	9999.9	.7	
		eP	25 45	LZ	999	9999.9		
18	MN-	eP	10 32 44.0	SZ	1.0	5.1	37.3	4.23
18	RK-	eP	10 35 17.4	SZ	1.0	12.3	57.3	4.89
18	NP-	eP	10 35 35.5	SZ	1.0	33.4	59.8	5.33
18	AD-	eL	10 42 30	LT	25	271.9	36.5	
							AVG.	4.81
18	HW-	iP	12 08 12.1C	SZ	0.3	192.3	.8	
		eS	08 24	SR	0.3	9999.9		
18	NP-	eP	12 15 12.3	SZ	0.5	3.6		
18	12 22 13.3		51.4 N 179.9 W ANDREANOF ALEUTIAN ISLANDS H= 33 KM MAG 4.80 CGS					
18	AD-	iP	12 22 46.2C	SZ	0.3	365.6	2.1	
		eS	23 12	ST	999.9	9999.9		
		eL	23 13	LT	16	3565.0		
18	NP-	eP	12 28 54.5	SZ	0.7	19.2	33.8	5.11
18	13 06 00.2		5.9 S 103.4 E SOUTHERN SUMATRA H= 86 KM MAG 5.30 CGS					
18	13 12 42.3		39.8 N 29.7 W AZORES ISLANDS H= 20 KM MAG 5.50 CGS					
18	DH-	eP	13 19 25	LZ	17	292.3	33.9	
		e	20 30	LR	16	666.0		
		eS	24 35	LR	20	1013.0		
		eL	27 10	LZ	25	654.2		
		eLR	28 35	LZ	30	9999.9		
18	RK-	eP	13 20 59.1	SZ	1.5	86.9	45.0	5.42
18	NP-	eP	13 21 48.0	SZ	1.4	109.4	51.7	5.61
		eS	29 15	LT	20	894.2		
		eSS	33 12	LT	21	348.3		
		eLQ	34 45	LR	37	1692.9		
		eLR	36 50	LZ	29	1763.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	MN-	eP	13 23 28.7	SZ	1.9	115.7	65.7	5.72
		ePCS	27 42	LT	21	174.6		
		eS	32 26	LT	37	765.4		
		eSS	36 48	LT	22	639.4		
		eSSS	39 41	LT	23	432.0		
		eL	47 08	LR	19	1935.8		
18	JE-	eS	13 29 02	LT	17	1812.0	50.3	
		eLR	36 01	LZ	29	4713.4		
18	AD-	eS	13 35 32	LT	22	206.7	84.3	
		eLQ	47 30	LT	23	413.4		
		eLR	54 12	LT	35	1219.6		
18	HW-	e	13 45 36	LZ	21	529.7	102.1	
		eLR	14 03 17	LZ	29	853.7		
		eL	06 39	LR	24	1540.4		
		eL	06 39	LT	23	531.6		
							AVG.	5.58
18	DH-	eP	13 29 30.5	SZ	0.5	5.8	1.6	
		eS	29 51	ST	0.5	35.5		
18	MN-	eP	14 36 04.6	SZ	0.3	10.4	2.9	
		eS	36 41	SR	999.9	9999.9		
18	NP-	eP	14 41 53.2	SZ	1.0	7.7		
18	DH-	eP	15 45 25.5	SZ	0.6	6.4	1.5	
		eS	45 44	SR	0.5	15.3		
18	AD-	eL	16 30 02	ST	0.8	18.1		
18	DH-	eP	16 54 34.5	SZ	0.5	8.7	1.8	
		eS	54 58	ST	999.9	9999.9		
18	AD-	eP	17 39 43.0	SZ	0.2	28.4	1.3	
		eS	40 01	SR	0.2	97.1		
		eP	56 14.5	SZ	0.2	18.9		
		eS	56 33	ST	0.2	48.5		
18	HW-	eP	18 01 42.8	SZ	0.2	175.8	.9	
		eS	01 55	ST	0.3	612.2		
18	DH-	eP	18 36 01.0	SZ	0.4	16.0	1.7	
		eS	36 25	SR	0.3	36.2		
18	DH-	eP	18 56 37.5	SZ	0.4	5.3	1.6	
		eS	56 59	SR	0.4	13.9		
18	AD-	eP	19 04 31.4	SZ	0.4	116.5	1.8	
		eS	04 56	ST	0.4	70.3		
18	19 09 04.*		58.3 N 151.8 W KODIAK ISLAND REGION H= 53 KM MAG 4.70 CGS					
18	NP-	eP	19 13 54.0	SZ	1.0	33.4	21.4	4.64
18	NP-	eP	19 38 15.3	SZ	0.3	51.8	.1	
		eS	38 18	SR	0.2	9999.9		
18	AD-	eP	20 46 47.3	SZ	0.2	9.4	1.5	
		eS	47 07	SR	0.2	48.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18			22 01 28.3	44.9 N 111.2 W HEBGEN LAKE REGION H= 41 KM				
18	AD-	eP	22 56 38.5	SZ	0.3	21.3	1.6	
		eS	57 00	SR	0.3	21.8		
19			00 39 10.7	36.5 N 70.0 E HINDU KUSH REGION H=212 KM MAG 4.70 CGS				
19	LC-	eP	05 07 19.0	SZ	0.8	2.9		
19			05 08 15.1	15.3 N 94.0 W NEAR COAST OF OAXACA, MEXICO H= 42 KM MAG 6.00 CGS				
19	JE-	eP	05 12 08.5	SZ	3.2	5168.3	16.5	6.15
		eP	12 10	LZ	16	5749.5		
		e	12 23	ST	2.0	2305.8		
		eS	15 03	ST	1.2	119.4		
		eL	16 15	LZ	30	5137.3		
19	LC-	iP	05 12 51.6C	SZ	1.5	282.5	20.5	5.35
		eP	12 53	LZ	19	2693.9		
		e	16 45	LZ	19	2514.3		
		e	17 01	SR	5.0	865.7		
		e	17 28	SR	2.7	181.5		
		e	19 33	SR	4.5	1416.6		
		eL	20 25	ST	13.0	53.5U		
19	MN-	eP	05 14 34.5	SZ	1.5	137.2	31.4	5.58
		eP	14 36	LZ	18	773.9		
		e	18 03	ST	4.5	316.3		
		eS	19 35	LT	16	1979.0		
		eS	19 46	ST	6.5	889.4		
		e	20 00	LR	20	9999.9		
		e	22 10	LR	20	1713.3		
		eL	22 45	LT	999	9999.9		
		eL	25 30	ST	5.5	3428.8		
		eL	25 35	LZ	999	9999.9		
19	DH-	eP	05 14 35.5	SZ	0.6	9.8	31.5	4.83
		eP	14 37	LZ	22	744.9		
		eS	20 09	LR	33	3732.2		
		eL	23 50	LZ	30	9999.9		
19	RK-	eP	05 15 08.5	SZ	1.5	156.2	35.4	5.69
19	NP-	eP	05 18 35.7	SZ	1.3	99.5	62.4	5.76
		eP	18 38	LZ	15	1323.2		
		ePPP	22 31	LZ	17	596.7		
		eS	27 13	LR	19	1021.2		
		eLQ	40 00	LT	37	3750.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	47 00	LZ	18.	2788.0		
19	HW-	eS	05 26 14	LT	20	1556.9	58.7	
		eLQ	32 52	LT	16	2131.2		
		eLR	34 18	LZ	27	490.3		
							AVG.	5.56
19	LC-	eP	05 35 49.5	SZ	0.6	4.1		
19	MN-	eP	05 46 27.0	SZ	0.2	.7	2.4	
		e	46 34	SZ	0.5	5.6		
		eS	46 58	ST	0.3	3.4		
19			10 06 38.*	20.8 S 178.3 W FIJI ISLANDS REGION H=434 KM				
19	LC-	eP	10 42 03.0	SZ	0.5	.7		
19			12 13 15.*	70. N 11.7 E NORWEGIAN SEA H= 33 KM MAG 4.10 CGS				
19	DH-	eP	15 45 38.0	SZ	0.4	8.1	1.7	
		eS	46 00	ST	0.4	23.1		
19	DH-	eP	16 34 21.0	SZ	0.5	14.8	1.8	
		eS	34 45	SR	0.4	38.2		
19			17 26 13.	5.6 S 81.0 W NEAR COAST OF NORTHERN PERU H= 33 KM MAG 4.80 CGS				
19	LC-	eP	17 34 28.0	SZ	1.0	9.8	45.0	4.63
19	MN-	eP	17 35 49.5	SZ	1.0	8.3	55.7	4.72
		e	36 29	SZ	1.0	2.5		
		ePCP	36 46	SZ	0.9	2.5		
19	RK-	eP	17 35 58.5	SZ	0.5	14.5	57.3	5.26
		e	36 09	SZ	0.9	11.1		
							AVG.	4.87
19	MN-	eP	18 11 19.0	SZ	0.4	2.0	1.3	
		eS	11 35	ST	0.3	2.5		
19	MN-	eP	18 42 52.0	SZ	0.5	1.2	2.4	
		eS	43 23	SR	0.5	1.5		
19	LC-	eP	19 05 39.0	SZ	0.7	2.9	1.7	
		eS	06 03	SR	0.6	6.1		
19			19 41 21.8	21.6 N 120.9 E TAIWAN REGION H= 33 KM MAG 4.30 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	NP-	eP	19 53 05.2	SZ	0.5	7.3	75.8	4.95
19	LC-	eP	19 56 25.0	SZ	999.9	9999.9	1.5	
		eS	56 43	ST	999.9	9999.9		
19	MN-	eP	20 24 12.5	SZ	999.9	9999.9		
19	21 34 10.2		22.1 S 177.6 W SOUTH OF FIJI ISLANDS H=251 KM MAG 4.40 CGS					
19	MN-	eP	22 41 49.0	SZ	0.5	4.4	3.0	
		eS	42 26	SR	0.5	4.5		
20	MN-	eP	01 55 13.0	SZ	0.3	9999.9	.1	
		eS	55 15	SR	999.9	9999.9		
20	03 25 36.*		6.8 S 108.9 E JAVA H=240 KM MAG 5.90 CGS					
20	MN-	iP	03 28 06.9C	SZ	999.9	9999.9		
20	RK-	eP	03 47 22.4	SZ	1.1	14.3		
20	MN-	eL	04 10 00	LZ	23	96.0		
20	04 20 17.6		49.5 S 116.2 W EASTER ISLAND CORDILLERA H= 33 KM MAG 4.50 CGS					
20	04 33 29.4		49.6 S 116.2 W EASTER ISLAND CORDILLERA H= 33 KM MAG 5.20 CGS					
20	LC-	eP	04 45 47.0	SZ	1.1	3.3	82.1	4.30
		e	56 10	LR	22	944.9		
		eSS	05 01 26	LR	24	733.9		
		eSSS	04 53	LR	33	643.6		
		eLQ	08 36	LR	29	1699.9		
		eLR	13 21	LZ	999	9999.9		
20	MN-	eP	04 46 15.2	SZ	1.4	5.9	87.7	4.61
		eSKS	57 06	LT	25	529.0		
		e	05 02 28	LT	26	624.1		
		e	10 51	LT	30	724.5		
		eL	14 53	LT	20	9999.9		
20	HW-	eS	04 55 20	LT	17	679.9	77.6	
		e	56 06	LT	27	1976.6		
		eL	05 09 26	LZ	23	3810.0		
		eL	11 00	LT	22	3626.6		
		eL	11 00	LR	21	1572.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	JE-	e	04 56 35	LR	19.	1327.6	83.8	
		eSS	05 02 00	LR	18	1071.4		
		eLQ	14 47	LT	26	1333.0		
		eLR	18 33	LZ	22	706.6		
20	DH-	eSP	05 00 08	LZ	24	474.8	98.4	
		eSS	05 26	LR	27	424.3		
		eLQ	16 17	LR	42	3242.4		
		eLR	26 21	LZ	30	2719.9		
20	AD-	eSP	05 02 40	LZ	28		113.4	
		e	09 30	LZ	23			
		eL	25 40	LZ	27			
20	NP-	eSS	05 11 30	LT	22	646.4	125.6	
		eLQ	25 38	LT	54	1839.4		
		eLR	36 22	LZ	24	1112.8		
							AVG.	4.45
20	MN-	eP	06 18 25.0	SZ	0.2	7.9	.1	
		eS	18 28	SR	0.4	6.4		
20	LC-	eL	07 08 22	LZ	21	135.9		
20	AD-	eP	07 28 28.6	SZ	0.2	30.4	3.9	
		eS	29 13	ST	0.3	27.4		
20	07 42 28.*		41.3 N 124.9 W NEAR COAST NORTH CALIFORNIA H= 33 KM MAG 4.30 CGS					
20	MN-	e	07 44 51	SZ	1.0	3.3	5.9	
		eL	46 36	LZ	19	379.7		
20	LC-	eL	07 53 06	LR	27	232.5	17.1	
20	JE-	eL	08 01 22	LZ	16	399.6	27.9	
20	LC-	eP	08 44 49.0	SZ	0.6	.8		
20	09 18 19.*		32.4 N 141.6 E SOUTH OF HONSHU, JAPAN H= KM MAG 4.30 CGS					
20	LC-	eP	10 06 57.3	SZ	1.0	4.9		
20	AD-	eP	10 54 54.6	SZ	0.2	48.7	.9	
		eS	55 07	ST	0.2	115.1		
20	LC-	eL	12 54 46	LZ	34	112.9		
20	DH-	eP	13 09 57.7	SZ	1.3	18.7		
20	AD-	eP	13 43 34.6	SZ	0.2	121.7	1.1	
		eS	43 49	ST	0.3	94.1		
20	MN-	eP	14 12 56.0	SZ	0.3	.5	3.1	
		eS	13 35	SR	0.4	2.0		
20	14 36 05.3		30. N 138.1 E SOUTH OF HONSHU, JAPAN H=454 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	RK-	eP	14 48 03.8	SZ	0.7	21.7	87.5	5.04
		epP	49 48	SZ	1.0	12.1		
20	LC-	eP	14 48 29.4	SZ	1.0	6.8	92.8	4.63
		epP	50 16	SZ	1.0	7.4		
							AVG.	4.83
20	NP-	eP	14 45 54.2	SZ	0.5	26.9		
20	NP-	eL	14 47 33	SZ	0.7	10.1		
20	MN-	eP	14 47 36.6	SZ	0.7	4.9		
20	MN-	eL	14 49 17	SZ	1.2	7.9		
20	MN-	eP	15 06 05.8	SZ	0.9	1.9		
20	MN-	tP	16 15 22.2C	SZ	0.3	12.5	.4	
		eS	15 29	SR	0.4	9999.9		
20	LC-	eP	16 35 43.2	SZ	0.9	1.5		
20	18 59 55.*		62.1 N 4.2 E NORWEGIAN SEA H= 33 KM MAG 4.20 CGS					
20	20 43 10.9		24. N 121.8 E TAIWAN H= 37 KM MAG 5.10 CGS					
20	MN-	eP	20 56 38.1	SZ	1.2	5.1	96.3	4.95
20	AD-	eP	20 46 53.2	SZ	0.2	127.8	.4	
		eS	46 59	ST	0.2	146.5		
20	MN-	eP	22 36 03.0	SZ	1.1	7.2		
20	AD-	eP	22 36 34.4	SZ	0.2	91.3	.5	
		eS	36 41	SR	0.2	222.6		
21	00 10 36.8		5. N 76.0 W COLOMBIA H=116 KM MAG 5.00 CGS					
21	LC-	eP	00 17 58.2	SZ	0.6	9.3	39.5	4.79
21	MN-	eP	00 19 26.9	SZ	0.8	6.4	50.7	4.59
		epP	19 54	SZ	0.8	1.4		
		ePCP	20 30	SZ	0.9	3.2		
							AVG.	4.69
21	MN-	eP	00 37 47.0	SZ	0.3	2.6	4.7	
		eS	38 43	SR	0.3	5.8		
21	04 23 19.7		21.8 S 179.6 W FIJI ISLANDS REGION H=609 KM MAG 5.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	HW-	eP	04 31 04.0	SZ	0.7	360.7	47.6	
21	AD-	eP	04 33 51.6	SZ	0.5	9999.9	73.4	
21	MN-	eP	04 34 45.0	SZ	0.9	15.3	83.1	
		epP	36 53	SZ	1.6	114.9		
		ePP	38 02	SZ	1.4	31.7		
21	LC-	eP	04 35 08.5	SZ	1.0	38.7	88.1	
		epP	37 18	SZ	1.2	111.8		
		ePP	38 42	SZ	1.4	16.1		
21	JE-	ePP	04 40 09	SZ	1.2	31.5	99.2	
21	RK-	ePP	04 40 41	SZ	0.8	2.9	104.1	
21	NP-	ePP	04 40 41	SZ	0.5	10.1	104.4	
21	MN-	eP	04 34 39.3	SZ	0.2	5.5		
21	MN-	eP	04 53 01.0	SZ	0.5	1.5		
21	LC-	eP	05 01 00.0	SZ	1.0	2.9		
21	MN-	eP	05 02 02.5	SZ	1.1	5.1		
21	05 37 48.9		7. S 129.4 E BANDA SEA H=123 KM MAG 5.20 CGS					
21	LC-	eP?	05 56 34.2	SZ	1.0	8.7	122.3	
21	MN-	ePP	05 56 56	SZ	1.1	5.1	111.9	
21	JE-	eP?	05 56 56.8	SZ	0.8	18.2	134.2	
		eSKP	06 00 14	SZ	0.7	5.1		
21	MN-	eP	06 00 36.0	SZ	0.2	5.5	2.6	
		eS	01 09	ST	0.2	8.9		
21	08 30 54.4		2.1 S 128.3 E CERAM SEA H= 36 KM MAG 5.70 CGS					
21	LC-	eP?	08 49 46.0	SZ	0.6	.4	120.4	
21	AD-	eP	08 44 30.5	SZ	0.2	295.4	1.9	
		eS	44 56	ST	0.3	127.8		
21	MN-	eP	10 36 11.6	SZ	0.2	1.1	2.4	
		eS	36 42	SR	0.3	3.2		
21	12 01 46.6		17.8 S 167.3 E NEW HEBRIDES ISLANDS H= 33 KM MAG 5.10 CGS					
21	MN-	eP	12 14 42.0	SZ	1.0	9.1	89.4	4.93

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	13 27 32.9		7.2 S 74.3 W PERU BRAZIL BORDER REGION H=150 KM MAG 4.60 CGS					
21	LC-	eP	13 36 14.0	SZ	0.8	6.3	50.0	4.35
		epP	36 48	SZ	1.2	4.4		
21	MN-	eP	13 37 33.0	SZ	0.6	1.7	61.0	4.11
		ePCP	38 10	SZ	1.0	4.1		
21	NP-	eP	13 40 05.7	SZ	0.8	29.9	87.3	5.27
		epP	40 44	SZ	0.9	21.3		
							AVG.	4.57
21	AD-	eP	14 10 24.4	SZ	0.2	76.8	1.1	
		eS	10 39	ST	0.2	121.7		
21	14 17 54.4		36.2 S 100.2 W SOUTHERN PACIFIC OCEAN H= 33 KM MAG 4.80 CGS					
21	LC-	eP	14 28 55.0	SZ	1.0	9.6	68.5	4.85
		ePCP	29 19	SZ	1.0	6.7		
21	MN-	eP	14 29 41.0	SZ	1.2	12.8	76.1	4.83
							AVG.	4.84
21	16 29 36.*		48. N 152.9 E KURILE ISLANDS H= 5 KM MAG 4.80 CGS					
21	MN-	eP	16 40 00.0	SZ	1.2	8.9	62.1	4.85
21	MN-	eP	16 55 45.0	SZ	0.2	10.7	1.5	
		eS	56 05	SR	0.4	5.1		
21	16 57 36.*		19.9 S 178.5 W FIJI ISLANDS REGION H=512 KM MAG 4.50 CGS					
21	LC-	eP	17 09 24.0	SZ	1.0	7.7	86.2	4.32
21	DH-	eP	16 59 59.0	SZ	0.2	35.5	1.5	
		eS	17 00 20	SR	0.3	119.6		
21	18 10 51.6		30.1 S 179.5 W KERMADEC ISLANDS H=319 KM MAG 5.20 CGS					
21	AD-	eP	18 22 34.0	SZ	0.6	77.8	81.7	5.69

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	MN-	eP	18 23 12.0	SZ	1.2	20.5	89.0	4.91
21	LC-	eP	18 23 30.5	SZ	1.3	9.3	92.9	4.65
							AVG.	5.08
21	19 29 25.2		12.1 N 142.9 E SOUTH OF MARIANA ISLANDS H= 33 KM MAG 4.80 CGS					
21	MN-	eP	19 42 21.8	SZ	0.8	4.4	89.5	4.71
21	21 23 43.*		15.2 S 175.2 W TONGA ISLANDS H=126 KM					
21	LC-	eP	21 36 10.0	SZ	0.2	9999.9		1.4
		eS	36 29	SR	0.3	10.2		
21	22 02 25.*		48. N 152.7 E KURILE ISLANDS H= 31 KM MAG 4.70 CGS					
21	23 16 35.8		20.2 S 177.8 W FIJI ISLANDS REGION H=511 KM MAG 4.40 CGS					
21	MN-	eP	23 27 57.2	SZ	0.8	3.9	80.8	3.96
22	06 52 10.		44.4 N 114.8 W WESTERN IDAHO H= 15 KM MAG 4.30 CGS					
22	MN-	eP	06 54 02.0	SZ	0.5	1.5	6.5	4.12
		eL	55 24	SR	0.6	2.0		
22	MN-	eP	08 05 36.5	SZ	0.5	.6		
22	MN-	e	08 05 44	SZ	0.6	1.7		
22	MN-	eL	08 07 05	SR	0.6	2.0		
22	09 05 06.4		23.9 S 70.7 W NEAR COAST OF NORTHERN CHILE H= 33 KM MAG 4.70 CGS					
22	JE-	eP	09 15 13.0	SZ	0.6	13.2	59.0	5.15
		eL	33 35	LZ	16	357.4		
22	LC-	eP	09 15 50.0	SZ	0.9	2.9	65.6	4.42
		e	15 58	SZ	0.9	9.6		
		e	16 06	SZ	1.0	20.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	DH-	eP	09 15 59.0	SZ	0.5	12.4	65.9	5.30
		eL	41 55	LZ	23	328.8		
22	MN-	eP	09 16 54.0	SZ	1.0	3.3	76.3	4.32
		e	17 03	SZ	0.9	5.1		
		e	18 37	SZ	0.7	2.0		
22	RK-	eP	09 16 56.0	SZ	0.8	7.2	77.1	4.76
		e	17 05	SZ	0.6	8.2		
		e	18 52	SZ	1.0	9.8		
							AVG.	4.79
22	09 07 32.8		43.7 N 147.7 E KURILE ISLANDS H= 33 KM MAG 5.00 CGS					
22	NP-	eP	09 16 14.5	SZ	0.8	4.6	48.7	4.54
22	LC-	eP	09 19 41.0	SZ	1.4	5.9	78.4	4.41
22	HW-	eL	09 32 40	LZ	20	228.6	52.5	
							AVG.	4.47
22	09 46 27.8		10.6 N 70.0 W VENEZUELA H= 12 KM MAG 4.10 CGS					
22	LC-	eP	09 54 06.5	SZ	0.8	2.8	40.1	3.99
22	12 36 57.6		16.6 N 95.5 W OAXACA, MEXICO H= 66 KM MAG 4.10 CGS					
22	LC-	eP	12 41 12.0	SZ	0.8	2.6	18.7	3.55
22	MN-	eP	12 42 58.0	SZ	1.0	5.8	29.5	4.27
		eLQ	52 55	LT	17	252.6		
		eLR	54 30	LZ	20	210.6		
22	NP-	eP	12 47 05.9	SZ	0.8	7.7	61.0	4.82
							AVG.	4.21
22	13 27 29.7		13.3 N 89.7 W EL SALVADOR H= 78 KM MAG 4.80 CGS					
22	LC-	eP	13 32 43.5	SZ	0.5	3.2	24.5	4.06
22	MN-	eP	13 34 22.5	SZ	0.8	5.4	35.5	4.52
22	RK-	eP	13 34 36.0	SZ	0.7	15.8	37.6	5.01
22	NP-	eP	13 38 00.4	SZ	0.8	8.5	64.9	4.79
							AVG.	4.59
22	DH-	eP	15 34 44.5	SZ	0.4	8.5	1.5	
		eS	35 05	ST	0.4	24.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	DH-	eP	15 41 54.0	SZ	0.5	9.3	1.9	
		eS	42 19	SR	0.4	24.7		
22	NP-	eP	16 30 55.5	SZ	0.8	19.3		
22	LC-	eP	19 54 34.5	SZ	0.2	9999.9	1.5	
		eS	54 52	SR	0.3	9999.9		
22	20 39 07.		2.8 S 141.0 E NEAR NORTH COAST NEW GUINEA H= 84 KM MAG 5.70 CGS					
22	LC-	eP	21 22 34.5	SZ	0.3	11.7	1.3	
		eS	22 52	ST	0.3	6.3		
22	LC-	eP	21 48 06.0	SZ	0.5	1.8	3.2	
		e	48 13	SZ	0.5	3.6		
		eS	48 46	SR	0.6	9.6		
22	HW-	eP	21 51 00.0	SZ	0.5	30.1	.6	
		eS	51 10	SR	0.4	110.3		
22	MN-	eP	22 39 34.0	SZ	0.4	2.0	3.0	
		eS	40 11	SR	0.5	4.0		
22	LC-	eP	23 24 53.5	SZ	0.5	1.4	3.8	
		eS	25 39	SR	0.3	2.7		
23	MN-	eP	00 36 55.5	SZ	0.5	1.8		
23	AD-	eP	00 38 43.7	SZ	0.2	23.9	1.0	
		eS	38 58	ST	0.2	58.8		
23	01 41 01.*		34.3 N 32.6 E CYPRUS H= 61 KM MAG 4.70 CGS					
23	02 49 33.*		13.4 S 174.4 W SAMOA ISLANDS REGION H=301 KM MAG 3.90 CGS					
23	MN-	eP	03 46 52.0	SZ	0.5	5.6		
23	04 59 47.4		53.6 N 163.9 W UNIMAK ISLAND REGION H= 29 KM MAG 5.50 CGS					
23	AD-	eP	05 01 43.5	SZ	0.3	28.7	7.9	5.79
		eL	03 32	ST	0.4	97.4		
23	NP-	eP	05 05 39	LZ	20	2619.8	28.2	
		eP	05 39	SZ	0.5	36.7		5.41
		ePP	06 32	SZ	1.9	268.2		
		ePCP	08 53	SZ	1.0	28.2		
		e	11 00	LT	17	6325.3		
		ePCS	12 33	ST	1.1	16.7		
		ePCS	12 39	LR	31	9999.9		
		eL	14 03	LR	37	9999.9		
		eL	16 22	ST	2.5	223.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	HW-	eP	05 06 32	LZ	20.	741.2	34.1	
		eS	12 00	LT	20	6379.7		
		eSS	13 50	LT	18	3465.2		
		eL	15 20	LZ	27	5246.5		
23	MN-	eP	05 06 35.5	SZ	2.1	73.2	34.5	5.23
		eP	06 36	LZ	18	707.1		
		eS	12 10	LR	23	3702.8		
		e	13 15	LT	18	2654.6		
		eL	16 35	LZ	24	6407.6		
		eL	16 46	ST	3.8	336.4		
23	RK-	eP	05 07 31.8	SZ	0.6	11.0	41.5	4.79
		e	07 42	SZ	1.0	48.0		
23	LC-	eP	05 08 07.2	SZ	0.7	1.9	45.5	4.13
		eP	08 10	LZ	18	676.2		
		eS	14 50	LR	999	9999.9		
23	JE-	eP	05 09 14.5	SZ	0.8	12.9	54.6	5.01
		eP	09 15	LZ	17	698.8		
		ePP	11 08	LZ	15	317.1		
		eS	16 40	LT	18	3047.4		
		eSS	21 02	LR	19	1638.5		
		e	21 40	LZ	18	1993.3		
		eL	28 10	LZ	999	9999.9		
23	DH-	eP	05 09 30	LZ	22	495.5	56.9	
		eP	09 30	SZ	0.7	20.2		5.26
		eS	17 25	LR	18	2654.1		
		eSCS	19 00	LT	18	1224.7		
		eSS	21 20	LR	22	1253.1		
		eLQ	26 30	LR	30	2366.8		
		eLR	29 25	LR	24	3224.4		
							AVG.	5.08
23	AD-	eP	05 53 13.5	SZ	0.2	95.8	1.3	
		eS	53 32	ST	0.3	34.7		
23	06 18 57.4		53.7 N 163.6 W UNIMAK ISLAND REGION					
			H= 13 KM MAG 4.80 CGS					
23	AD-	eP	06 20 56.2	SZ	0.2	23.9	8.1	6.02
23	NP-	eP	06 24 50.8	SZ	0.5	5.1	28.0	4.59
		e	28 03	SZ	1.0	7.7		
23	MN-	eP	06 25 46.5	SZ	1.0	2.5	34.4	4.09
23	LC-	eP	06 27 17.0	SZ	1.0	5.7	45.4	4.48
							AVG.	4.79
23	AD-	eP	06 21 51.7	SZ	0.2	9999.9	1.4	
		eS	22 10	ST	0.2	189.2		
		eP	43 26.3	SZ	0.2	57.4		
		eS	43 45	ST	0.3	69.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	07 52 38.*		13.1 S 14.8 W SOUTH ATLANTIC RIDGE					
			H= 33 KM MAG 5.00 CGS					
23	LC-	eP	08 06 15.5	SZ	1.2	4.4	98.4	5.02
23	AD-	eP	07 55 36.6	SZ	0.2	57.4	1.4	
		eS	55 56	ST	0.2	134.6		
23	AD-	eP	09 07 39.0	SZ	0.2	86.2	1.3	
		eS	07 56	ST	0.2	92.5		
23	AD-	eP	10 28 02.2	SZ	0.2	76.6	1.4	
		eS	28 21	ST	0.2	126.1		
23	AD-	eP	10 28 55.2	SZ	0.2	95.8	1.6	
		eS	29 17	ST	0.2	155.6		
23	AD-	eP	10 58 29.7	SZ	0.2	71.8	1.4	
		eS	58 47	ST	0.2	109.3		
		eP	11 18 11.0	SZ	0.2	95.8		
		eS	18 29	ST	0.2	75.7		
23	13 28 06.*		51.7 N 177.6 W ANDREANOF ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.10 CGS					
23	AD-	eP	13 28 17.5	SZ	0.3	9999.9	1.4	
		eS	28 37	ST	999.9	9999.9		
23	16 37 19.*		61.6 N 150.0 W SOUTHERN ALASKA					
			H= 33 KM MAG 4.10 CGS					
23	17 18 12.1		5.8 N 126.4 E MINDANAO, PHILIPPINE ISLANDS					
			H=132 KM					
23	18 09 38.*		35.9 N 114.8 W CALIF. NEVADA BORDER REGION					
			H= 15 KM MAG 4.40 CGS					
23	MN-	eP	18 10 35.0	SZ	999.9	9999.9	3.7	
23	LC-	eP	18 11 35.0	SZ	0.4	1.6	7.6	4.46
		eS	13 05	SZ	0.5	11.6		
		eL	13 30	LZ	10	1979.7		
23	DH-	eP	18 15 38.5	SZ	0.3	29.0	2.0	
		eS	16 03	SR	0.3	26.4		
23	LC-	eP	19 27 32.0	SZ	0.3	.6	3.0	
		eS	28 02	ST	0.5	3.3		
23	DH-	eP	19 57 31.2	SZ	0.3	5.8	.8	
		eS	57 42	SR	0.3	26.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	AD-	eP	22 28 49.4	SZ	0.2	38.3	1.2	
		eS	29 05	ST	0.2	126.1		
23	LC-	eP	23 33 41.1	SZ	0.3	3.7	.2	
		eS	33 46	ST	0.3	8.4		
24	AD-	eP	00 20 23.0	SZ	0.2	65.4	1.4	
		eS	20 41	SR	0.2	101.9		
24	LC-	eP	00 59 24.6	SZ	1.0	4.8		
24	LC-	eP	01 02 33.4	SZ	0.6	3.4		
24	HW-	eP	01 25 28.3	SZ	0.1	533.3	.1	
		eS	25 30	SR	999.9	9999.9		
24	MN-	eP	01 49 44.0	SZ	0.7	2.0		
24	MN-	eL	01 51 21	ST	1.6	28.2		
24	LC-	eP	02 08 18.0	SZ	1.0	1.9		
24	02 34 43.2		60.3 N 137.4 W S. YUKON TERRITORY, CANADA H= 66 KM MAG 4.10 CGS					
24	NP-	eP	02 38 40.0	SZ	0.6	5.8	17.2	3.95
24	MN-	eP	02 40 04.2	SZ	0.7	5.8	25.0	4.22
							AVG.	4.08
24	02 39 38.*		56.5 N 157.0 W ALASKA PENINSULA H= 33 KM MAG 4.30 CGS					
24	AD-	eP	05 39 57.0	SZ	0.3	111.6	1.4	
		eS	40 15	SR	0.3	431.8		
		eP	07 19 51.5	SZ	0.2	35.7		
		eS	20 10	ST	0.2	49.4		
24	AD-	eP	08 29 00.0	SZ	0.2	29.7	1.3	
		eS	29 18	SR	0.2	173.9		
24	NP-	eP	09 10 25.0	SZ	0.9	17.4		
24	09 14 38.6		5.6 S 151.8 E NEW BRITAIN REGION H= 35 KM MAG 5.30 CGS					
24	MN-	eP	09 27 52.8	SZ	1.0	11.6	93.5	5.22
		eL	58 47	LZ	26	394.5		
24	HW-	eL	09 43 11	LZ	25	355.2	57.5	
24	AD-	eL	09 44 09	LZ	27	544.4	63.3	
24	09 34 26.5		60.9 N 143.7 W SOUTHERN ALASKA H= 7 KM MAG 4.00 CGS					
24	MN-	eP	09 40 15.3	SZ	1.1	2.4	27.6	3.90

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	AD-	eP	09 51 58.0	SZ	0.3	26.7	1.4	
		eS	52 16	ST	0.3	46.3		
24	LC-	eP	10 00 19.6	SZ	0.8	1.7		
24	LC-	eP	10 16 02.2	SZ	1.0	5.7		
24	12 51 33.*		38.3 N 118.5 W CALIFORNIA NEVADA REGION H= 15 KM					
24	MN-	iP	12 51 36.4D	SZ	999.9	9999.9	.3	
24	13 59 36.8		43.5 N 127.5 W OFF COAST OF OREGON H= 14 KM					
24	MN-	eP	14 01 45.3	SZ	0.9	9.6	8.7	5.08
		eP	01 50	LZ	11	712.1		
		e	02 37	ST	1.0	24.9		
		eL	03 37	LT	999	9999.9		
		eL	04 30	ST	7.0	4213.0		
24	LC-	eP	14 04 11.4	SZ	1.5	145.9	19.8	5.00
		eP	04 12	LZ	11	785.5		
		ePCP	08 16	LZ	17	296.4		
		e	09 38	LZ	27	272.0		
		eL	10 37	LZ	999	9999.9		
		eL	12 13	SZ	7.8	1430.7		
24	RK-	eP	14 04 52.1	SZ	1.3	87.8	24.0	5.12
		e	04 59	SZ	1.0	50.4		
24	NP-	eP	14 06 13.5	SZ	1.0	25.7	33.0	5.10
		eP	06 13	SZ	1.0	25.7		5.10
		eS	11 35	LR	21	414.8		
		eLQ	15 32	LT	27	1311.6		
		eLR	17 49	LZ	25	787.1		
24	HW-	eL	14 14 42	LZ	27	1206.1	33.3	
24	AD-	eL	14 15 00	LZ	14	609.9	33.6	
24	DH-	eLQ	14 20 39	LT	17	1714.0	38.0	
		eLR	22 34	LZ	15	6705.8		
							AVG.	5.08
24	LC-	eP	14 03 50.0	SZ	0.8	5.9		
24	14 34 48.		20.7 N 144.6 E MARIANA ISLANDS H=146 KM MAG 4.80 CGS					
24	MN-	eP	14 46 57.3	SZ	0.9	8.5	82.8	4.58
		e	47 05	SZ	1.0	5.3		
24	AD-	eP	14 38 35.2	SZ	0.2	89.2	.2	
		eS	38 40	ST	0.2	55.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MN-	eP	15 17 44.0	SZ	0.4	9.7		
24	LC-	eP	16 10 07.3	SZ	0.7	5.1		
24	LC-	eP	16 22 18.8	SZ	0.6	5.6		
24	MN-	eP	16 28 08.0	SZ	999.9	9999.9		
24	NP-	eP	16 30 01.0	SZ	1.0	7.1		
24	LC-	eP	16 47 07.0	SZ	0.3	9.9	1.5	
		eS	47 27	SR	0.3	11.6		
24	AD-	eP	16 53 42.0	SZ	0.2	53.5	.5	
		eS	53 50	ST	0.3	139.1		
24	17 59 53.4		40.3 N 141.6 E NEAR E. COAST HONSHU, JAPAN H=104 KM MAG 4.40 CGS					
24	NP-	eP	18 09 03.5	SZ	0.9	9.1	53.4	4.79
24	LC-	eP	20 46 14.1	SZ	0.9	3.7		
24	LC-	eP	21 08 48.3	SZ	0.2	9.7	1.4	
		eS	09 08	SR	0.3	11.6		
24	LC-	eL	22 53 22	LZ	17	229.0		
24	23 10 16.*		5.5 S 151.5 E NEW BRITAIN REGION H= 92 KM MAG 5.00 CGS					
24	MN-	eP	23 23 24.6	SZ	0.9	6.4	93.7	5.02
24	23 37 23.5		51.5 N 177.1 W ANDREANOF ALEUTIAN ISLANDS H= 49 KM MAG 4.70 CGS					
24	AD-	eP	23 37 34.6	SZ	999.9	9999.9	.5	
24	LC-	eP	23 46 42.1	SZ	0.8	4.5	53.6	4.54
25	01 54 18.*		13.3 N 89.4 W EL SALVADOR H= 94 KM MAG 4.00 CGS					
25	04 55 22.*		57.5 N 144.5 W GULF OF ALASKA H= 33 KM MAG 4.50 CGS					
25	NP-	eP	05 00 04.5	SZ	1.0	13.9	20.9	4.24
25	MN-	eLR	05 08 25	LZ	23	181.6	25.7	
25	05 21 33.		52.1 N 174.7 W ANDREANOF ALEUTIAN ISLANDS H= 33 KM MAG 4.60 CGS					
25	AD-	eP	05 21 54.1	SZ	999.9	9999.9	1.2	
		eS	22 07	ST	999.9	9999.9		
25	06 33 35.1		8.9 S 108.4 W N. EASTER ISLAND CORDILLERA H= 33 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	NP-	eP	06 46 10.8	SZ	0.9	6.2	85.3	4.72
		eLR	07 12 51	LZ	35	488.8		
25	MN-	eSP	06 49 15	LZ	17	181.6	48.0	
		eLQ	54 40	LT	22	406.1		
		eLR	56 50	LZ	23	454.0		
		eL	57 27	LT	18	404.7		
		eL	57 27	LR	23	205.6		
		eL	57 27	LZ	21	428.3		
25	07 52 05.*		16. N 93.4 W CHIAPAS, MEXICO H= 33 KM MAG 3.60 CGS					
25	AD-	eP	09 52 02.0	SZ	0.3	99.4	1.4	
		eS	52 21	ST	0.3	139.1		
25	AD-	eP	10 00 12.0	SZ	0.3	103.9	1.5	
		eS	00 32	ST	0.3	259.7		
25	LC-	eL	14 26 36	SZ	1.3	5.6		
25	14 33 51.*		8.9 S 108.3 W N. EASTER ISLAND CORDILLERA H= 33 KM MAG 4.40 CGS					
25	LC-	eP	14 41 34.0	SZ	1.0	1.9	41.1	3.83
25	MN-	eP	14 42 13	LZ	27	195.5	48.0	
		eS	49 39	LT	21	273.6		
		eS	49 39	LR	20	169.7		
		eLQ	54 40	LT	23	511.3		
		eLR	57 00	LZ	26	807.2		
		eL	57 44	LT	20	683.1		
		eL	57 44	LR	25	504.8		
		eL	57 44	LZ	21	780.2		
25	NP-	eP	14 46 30.5	SZ	0.9	8.7	85.3	4.87
							AVG.	4.35
25	14 46 32.*		18.9 N 145.7 E MARIANA ISLANDS H=151 KM MAG 4.40 CGS					
25	NP-	eLQ	15 14 20	LT	27.	471.1	73.0	
		eLR	20 07	LZ	21	414.8		
25	DH-	eP	14 53 19.4	SZ	0.2	11.5	1.7	
		eS	53 42	SR	0.4	43.0		
25	15 42 17.9		50.3 N 176.6 E RAT ALEUTIAN ISLANDS H= 30 KM MAG 5.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	AD-	eP	15 43 23.4	SZ	999.9	9999.9	4.5	
		eS	44 14	ST	999.9	9999.9		
25	NP-	eP	15 49 15.0	SZ	0.5	18.8	35.7	5.23
		eP	49 16	LZ	16	403.8		
		ePP	50 40	LZ	15	606.7		
		eS	54 52	LT	28	1464.0		
		eLQ	58 55	LT	25	1068.2		
		eLR	16 00 07	LZ	32	3857.8		
25	MN-	eP	15 50 46.5	SZ	0.5	43.8	46.7	5.73
		eP	50 55	LZ	15	335.6		
		eS	57 45	LR	24	538.2		
		eSS	16 01 08	LT	18	927.6		
		eLQ	02 24	LT	22	1037.8		
		eLR	07 00	LZ	18	458.2		
25	RK-	eP	15 51 36.6	SZ	0.7	50.0	53.5	5.62
		epP	51 47	SZ	0.7	80.0		
		ePCP	52 43	SZ	0.5	15.1		
		e	52 52	SZ	0.5	20.8		
25	LC-	eP	15 52 08.2	SZ	0.9	52.9	57.8	5.57
		epP	52 19	SZ	0.7	33.2		
		e	52 25	SZ	0.7	29.3		
25	JE-	eP	15 53 11.0	SZ	1.0	67.7	67.1	5.74
25	DH-	eP	15 53 19.0	SZ	0.7	40.3	68.7	5.64
		eL	16 14 11	LR	43	3174.7		
							AVG.	5.58
25	RK-	eP	16 01 11.3	SZ	0.5	3.7		
25	16 32 23.*		56.7 N 152.8 W KODIAK ISLAND REGION					
			H= 33 KM MAG 4.10 CGS					
25	NP-	eP	16 37 27.7	SZ	1.0	2.3	23.1	3.60
25	17 24 44.9		53.6 N 163.9 W UNIMAK ISLAND REGION					
			H= 33 KM MAG 5.10 CGS					
25	AD-	eP	17 26 40.0	SZ	0.3	36.1	7.9	5.87
		eL	28 07	ST	0.4	31.3		
25	NP-	eP	17 30 35.5	SZ	0.6	18.3	28.2	5.02
		eL	39 06	LR	33	576.3		
25	LC-	eP	17 33 01.0	SZ	0.7	1.4	45.5	4.01
		e	33 17	SZ	1.0	10.8		
							AVG.	4.96
25	DH-	eP	17 41 35.5	SZ	0.3	8.6	1.5	
		eS	41 56	SR	0.3	28.1		
25	LC-	eP	17 43 35.6	SZ	1.0	4.9		
25	MN-	eL	17 58 57	LZ	23	605.3		
25	NP-	eL	18 20 19	LZ	29	357.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MN-	eP	18 53 22.0	SZ	0.5	43.8		
25	LC-	eP	19 40 30.0	SZ	0.2	4.9	2.8	
		eS	41 05	SR	0.3	5.9		
25	LC-	eP	19 59 14.2	SZ	0.2	14.5	1.5	
		eS	59 34	ST	0.2	13.7		
25	20 28 33.5		3.8 S 139.0 E WEST NEW GUINEA					
			H=171 KM MAG 5.80 CGS					
25	LC-	eP	22 29 02.7	SZ	0.2	1.8	2.7	
		eS	30 37	SR	0.4	2.0		
25	23 27 49.7		30.7 S 179.9 W KERMADEC ISLANDS					
			H=424 KM MAG 5.30 CGS					
25	LC-	epP	23 41 55	SZ	0.8	2.3	93.5	
26	00 46 02.8		30.1 N 80.7 E TIBET INDIA BORDER REGION					
			H= 50 KM MAG 6.20 CGS					
26	NP-	eP	00 57 30.0	SZ	999.9	9999.9	73.2	
		eS	01 06 54	ST	2.0	56.5		
		ePS	07 33	LR	17	590.7		
		eLQ	20 13	LT	44	2104.2		
		eLR	24 54	LZ	24	1022.2		
26	MN-	eP?	01 04 32.8	SZ	0.6	4.1	109.6	
		eL	42 10	LT	35	1347.1		
26	LC-	eP?	01 04 45.8	SZ	0.6	5.1	117.5	
		eSP	15 52	LZ	17	297.9		
		e	23 00	LT	27	167.5		
		eL	38 35	LR	42	412.2		
26	AD-	e	01 12 30	LZ	34	482.7	74.1	
		e	15 43	LZ	29	533.5		
		eL	24 15	LZ	37	773.7		
26	DH-	eL	01 35 45	LR	35	1904.2	104.6	
26	HW-	eL	01 41 35	LZ	30	657.4	106.4	
26	JE-	eLQ	01 45 00	LR	30	1196.0	118.1	
		eLR	51 10	LZ	29	1305.2		
26	LC-	eL	02 47 10	LZ	16.	285.0		
26	AD-	eP	03 23 08.4	SZ	0.2	90.1	1.3	
		eS	23 25	ST	0.2	226.7		
26	03 38 32.7		17.7 S 173.3 W TONGA ISLANDS					
			H= 33 KM MAG 5.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	MN-	eP	03 50 19.5	SZ	1.3	17.6	76.1	4.93
		e	50 24	SZ	1.3	38.4		
		eLQ	04 10 30	LR	25	329.2		
		eLR	20 55	LT	17	666.2		
		eL	22 50	LT	16	930.7		
		eL	22 50	LZ	17	905.4		
		eL	22 50	LR	18	274.9		
26	LC-	eP	03 50 45.8	SZ	1.3	18.3	80.9	4.88
		eS	04 01 00	LT	20	251.5		
		ePS	01 55	LT	20	216.5		
		eSS	06 21	LT	13	421.3		
		eLQ	12 25	LR	26	331.8		
		eLR	16 00	LZ	25	328.1		
		eL	17 56	LT	20	279.4		
		eL	17 56	LR	16	166.5		
		eL	17 56	LZ	22	331.0		
26	HW-	eLQ	03 55 55	LR	22	1025.9	41.2	
		eLR	59 05	LZ	20	614.7		
26	AD-	eL	04 11 22	LZ	22	390.7	69.3	
26	JE-	eL	04 22 50	LZ	15	508.0	92.0	
26	NP-	eL	04 30 43	LZ	20	450.6	99.2	
26	DH-	eLR	04 35 15	LZ	20	419.1	107.8	
							AVG.	4.90
26	LC-	eL	04 05 29	SZ	0.5	7		
26	AD-	eP	04 35 29.3	SZ	0.2	48.1	1.3	
		eS	35 45	ST	0.2	73.6		
26	AD-	eP	04 46 21.8	SZ	0.2	48.1	4.0	
		eS	47 12	ST	0.2	96.3		
26	JE-	eP	06 19 16.0	SZ	0.5	105.2	3.8	
		eS	20 02	SR	0.5	59.9		
26	LC-	eP	06 21 48.2	SZ	0.6	.7		
26	LC-	eL	06 24 33	SZ	0.5	1.0		

26 06 29 01.4 81. N 5.1 W NORTH OF SVALBARD
H= 24 KM MAG 4.40 CGS

26	NP-	eP	06 33 27.4	SZ	0.7	4.1	19.4	3.79
26	MN-	eP	06 38 46.5	SZ	1.0	2.5	55.7	4.20
26	LC-	eP	06 39 07.8	SZ	0.7	.9	60.0	3.96
							AVG.	3.98
26	NP-	eP	07 41 08.5	SZ	1.4	17.8		

26 07 50 19.* 49. S 164.5 E AUCKLAND ISLANDS REGION
H= 33 KM MAG 5.20 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	LC-	eL	08 43 00	LZ	20.	106.7	113.0	
26	HW-	eP	10 36 40.0	SZ	0.3	9999.9	.6	
		eS	36 48	SR	999.9	9999.9		
26	AD-	eP	14 02 56.3	SZ	0.2	90.1	1.4	
		eS	03 14	ST	0.3	212.5		
26	DH-	eP	16 06 21.0	SZ	0.4	4.4	1.6	
		eS	06 42	ST	0.5	24.7		
26	LC-	eP	18 06 35.0	SZ	0.3	.3		
26	LC-	eL	18 07 59	SZ	0.6	2.7		
26	DH-	eP	18 15 11.0	SZ	0.3	8.6	1.7	
		eS	15 34	SR	0.3	16.2		
26	MN-	eP	18 41 19.0	SZ	0.6	1.7		
26	MN-	eL	18 43 05	SR	0.6	2.4		
26	DH-	eP	19 44 48.0	SZ	0.2	3.8	1.8	
		eS	45 11	SR	0.4	17.9		
26	AD-	eP	22 22 17.0	SZ	0.2	18.0	.6	
		eS	22 25	ST	0.2	113.3		

26 22 55 14.8 4.9 S 153.5 E NEW IRELAND REGION
H= 34 KM MAG 5.50 CGS

26	AD-	eP	23 05 35	LZ	22.	298.8	62.0	
		eS	14 20	LZ	22	275.8		
		eSS	18 15	LZ	27	470.2		
		eLQ	21 22	LZ	25	470.2		
		eLR	23 17	LZ	30	1228.0		
26	MN-	eP	23 08 23.0	SZ	1.0	4.1	91.7	4.71
		eP	08 30	LZ	21	143.0		
		e	08 40	SZ	1.0	6.6		
		ePS	20 35	LR	23	367.7		
		eSS	25 18	LR	20	189.8		
		ePKKS	29 20	LT	30	243.4		
		eLQ	34 25	LT	30	355.7		
		eLR	37 35	LZ	32	9999.9		
26	HW-	eL	23 21 10	LR	28	2097.6	55.7	
		eL	23 00	LR	26	2593.1		
		eL	23 00	LZ	25	1495.5		
		eL	23 00	LT	25	797.6		
26	LC-	ePS	23 22 11	LT	20	195.6	101.0	
		ePKKS	28 35	LT	26	127.4		
		eSSS	31 40	LT	35	397.7		
		eSKKS	32 45	LZ	24	333.3		
		eLR	41 42	LZ	30	917.0		
		eL	43 10	LT	28	626.5		
		eL	43 10	LR	28	778.4		
		eL	43 10	LZ	28	842.3		
26	JE-	eLR	23 48 30	LZ	37	1383.6	113.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	52 40	LZ	25.	1278.2		
		eL	52 40	LR	27	948.8		
		eL	52 40	LT	24	660.5		
26	DH-	eLR	23 55 00	LZ	34	1077.7	123.2	
		eL	59 00	LZ	26	1992.9		
		eL	59 00	LR	25	1780.3		
		eL	59 00	LT	25	283.7		
26	LC-	eP	22 59 54.0	SZ	0.2	6.8	1.4	
		eS	23 00 12	SR	0.2	10.3		
26	LC-	eP	23 25 40.0	SZ	0.7	2.3		
26	AD-	eP	23 38 32.3	SZ	0.2	102.2	.4	
		eS	38 38	ST	0.2	158.7		
27	01 27 06.*		24.9 N 140.5 E VOLCANO ISLANDS REGION H= 33 KM MAG 4.60 CGS					
27	03 40 56.8		44.1 N 149.0 E KURILE ISLANDS H= 35 KM MAG 4.70 CGS					
27	MN-	eP	03 51 44.5	SZ	0.9	1.9	66.4	4.22
27	06 36 25.3		16.1 S 176.0 W FIJI ISLANDS REGION H=332 KM MAG 4.50 CGS					
27	07 53 53.4		2.2 N 126.5 E MOLUCCA PASSAGE H= 70 KM MAG 5.30 CGS					
27	HW-	eL	08 30 00	LZ	30.	318.1	77.8	
27	MN-	eL	08 43 40	LZ	30	330.7	108.2	
27	LC-	eL	08 51 50	LR	30	97.5	119.2	
27	JE-	eL	08 55 00	LZ	32	203.2	130.2	
27	09 53 36.6		2.3 N 126.7 E MOLUCCA PASSAGE H=100 KM MAG 5.10 CGS					
27	AD-	eL	10 26 30	LZ	25.	545.9	68.2	
27	HW-	eL	10 34 35	LZ	30	381.7	77.6	
27	MN-	eL	10 48 25	LZ	32	365.8	108.0	
27	LC-	eL	10 53 50	LZ	35	110.3	118.9	
27	AD-	eP	10 51 49.5	SZ	0.2	23.6	1.1	
		eS	52 03	SR	0.3	45.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	AD-	eP	10 59 56.5	SZ	0.2	17.7	1.6	
		eS	11 00 18	SR	0.2	36.0		
27	13 24 23.9		28.3 S 178.3 W KERMADEC ISLANDS H=220 KM MAG 4.20 CGS					
27	MN-	eP	13 36 45.5	SZ	1.0	4.1	87.0	4.24
27	15 24 17.2		11.3 S 116.6 E SOUTH OF SUMBAWA ISLAND H= 33 KM MAG 5.20 CGS					
27	DH-	eP*2	15 44 01.0	SZ	0.6	6.8	147.6	
27	JE-	eP*2	15 44 01.2	SZ	1.0	105.1	146.7	
27	15 50 54.7		56.6 N 152.0 W KODIAK ISLAND REGION H= 27 KM MAG 5.40 CGS					
27	AD-	eP	15 54 35	LZ	21	844.4	15.1	
		eL	59 15	LZ	999	9999.9		
27	NP-	eP	15 55 59.0	SZ	1.3	67.5	23.0	4.96
		eP	56 00	LZ	18	2013.2		
		e	16 00 25	LZ	16	10.9U		
		eL	03 05	LT	25	7058.0		
27	MN-	eP	15 56 52.6	SZ	1.3	44.8	28.8	5.08
		eP	56 55	LZ	18	695.7		
		eS	16 01 45	LR	19	1244.7		
		eSCP	03 42	SZ	1.5	22.0		
		eL	05 15	LR	25	9999.9		
27	RK-	eP	15 57 42.7	SZ	1.0	32.1	34.1	5.18
27	HW-	eP	15 58 02	LZ	17	377.2	36.7	
		e	16 05 40	LR	17	2764.4		
		eL	07 45	LZ	25	1608.0		
27	LC-	eP	15 58 25.1	SZ	1.7	73.8	39.4	5.11
		eP	58 27	LZ	18	389.3		
		ePP	16 00 00	LZ	17	611.1		
		e	04 30	LR	18	1471.2		
		eL	09 25	LR	20	2100.5		
27	JE-	eP	15 59 31.8	SZ	1.0	23.3	47.8	5.19
		eP	59 32	LZ	17	472.1		
		e	16 05 30	LR	20	3215.1		
		eL	19 40	LR	23	9999.9		
27	DH-	eP	15 59 44.5	SZ	1.5	71.7	49.5	5.42
		eS	16 06 55	LR	23	1469.7		
		e	10 47	LR	18	1648.0		
		eLQ	15 20	LR	27	1499.0		
		eLR	18 50	LR	22	7425.9		
							AVG.	5.15

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	AD-	eP	16 28 28.5	SZ	0.2	59.0	1.8	
		eS	28 54	SR	0.2	102.2		
27	MN-	eP	18 22 45.8	SZ	0.3	1.4	1.1	
		eS	23 01	SR	0.3	5.2		
27	22 01 40.2		5.5 S 151.6 E NEW BRITAIN REGION H= 50 KM MAG 5.40 CGS					
27	MN-	eP	22 14 52.8	SZ	0.8	11.8	93.6	5.32
		eL	46 20	LZ	26	158.2		
27	22 58 29.3		21.4 S 68.7 W CHILE BOLIVIA BORDER REGION H=132 KM MAG 5.40 CGS					
27	MN-	eP	23 10 01.5	SZ	1.0	20.0	75.4	4.87
27	MN-	eP	23 07 08.0	SZ	0.9	5.7		
28	01 05 35.2		10.5 N 60.1 W TRINIDAD H= 63 KM MAG 4.50 CGS					
28	LC-	eP	01 14 10.0	SZ	1.0	14.5	48.0	4.87
28	MN-	eP	01 15 29.0	SZ	0.6	1.7	58.6	4.25
							AVG.	4.56
28	03 20 59.*		13.3 N 90.1 W NEAR COAST OF GUATEMALA H= 72 KM MAG 3.80 CGS					
28	AD-	eP	04 47 50	LZ	1.	23.8U		
28	05 04 55.5		1.2 S 24.1 W CENTRAL MID ATLANTIC RIDGE H= 37 KM MAG 5.50 CGS					
28	DH-	eP	05 15 20.5	SZ	1.0	35.0	62.9	5.38
		e	24 00	LR	30	647.8		
		eLQ	30 50	LT	32	1339.8		
		eLR	33 40	LZ	24	2832.0		
		eL	35 27	LR	23	2134.2		
		eL	35 27	LT	20	1307.0		
		eL	35 27	LZ	24	3358.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	JE-	eP	05 16 18.0	SZ	1.2	351.6	72.0	6.26
		e	34 20	LZ	22	306.4		
		eLQ	36 05	LT	35	1041.9		
		eLR	38 15	LZ	28	1948.3		
28	RK-	eP	05 16 51.0	SZ	1.0	121.9	78.2	5.86
		e	26 46	LZ	17	265.8		
		eLQ	37 10	LT	44	1814.4		
		eLR	41 00	LZ	28	1605.7		
		eL	45 03	LR	20	1762.7		
		eL	45 03	LT	23	455.4		
		eL	45 03	LZ	21	2216.7		
28	LC-	eP	05 17 26.0	SZ	1.5	39.8	84.3	5.31
		e	20 41	SR	2.0	24.9		
		e	27 53	LR	16	827.4		
		eSS	33 34	LR	27	555.5		
		eLR	44 41	LZ	31	744.8		
28	NP-	eP	05 18 03.0	SZ	1.5	91.8	92.4	5.91
28	MN-	eP	05 18 14.0	SZ	1.4	9.7	93.9	4.98
		ePP	21 54	SZ	2.3	45.9		
		eSKS	28 50	LR	18	205.5		
		ePS	30 40	LT	17	224.9		
		eSS	35 53	LT	28	273.3		
		eLQ	46 00	LT	45	1012.9		
		eLR	50 15	LZ	35	1158.5		
							AVG.	5.61
28	05 25 12.1		13.6 N 90.0 W EL SALVADOR H= 33 KM MAG 4.30 CGS					
28	05 39 34.8		40. S 74.1 W OFF COAST OF CENTRAL CHILE H= 33 KM MAG 4.70 CGS					
28	AD-	eP	05 56 34.8	SZ	0.2	28.4	1.5	
		eS	56 55	ST	0.3	58.9		
28	AD-	e	06 05 52	LZ	33	649.3		
28	AD-	eL	06 11 04	LZ	24	691.0		
28	AD-	eP	06 33 45.6	SZ	0.2	61.5	1.0	
		eS	34 04	SR	0.2	93.7		
28	06 51 05.3		36.3 N 71.6 E AFGHANISTAN USSR BORDER REG. H=118 KM MAG 5.50 CGS					
28	NP-	eP	07 01 55.0	SZ	0.8	9.3	67.5	4.69
28	AD-	eP	06 51 14.7	SZ	0.2	23.6	.4	
		eS	51 22	SR	0.2	74.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	07 16 02.9		15.2 N 94.1 W NEAR COAST OF OAXACA, MEXICO H= 47 KM MAG 3.70 CGS					
28	LC-	eP	07 20 38.5	SZ	0.6	1.2	20.6	3.39
		eL	27 35	LT	14	502.1		
28	MN-	eL	07 33 05	LT	22	432.5	31.4	
28	LC-	eP	07 19 20	LZ	20.	129.9		
28	RK-	eL	07 23 16	LZ	17	159.4		
28	RK-	e	08 42 44	LR	25	170.4		
28	RK-	eLQ	08 45 32	LR	30	733.3		
28	RK-	eL	08 46 32	LR	22	728.9		
28	RK-	eL	08 46 32	LT	22	409.9		
28	RK-	eLR	08 48 55	LZ	18	894.1		
28	AD-	eP	10 39 24.4	SZ	0.2	14.2	1.5	
		eS	39 45	SR	0.2	98.4		
28	MN-	eP	12 02 03.5	SZ	0.2	2.5	3.3	
		e	02 10	SZ	0.5	1.7		
		eS	02 45	ST	0.3	7.2		
28	LC-	eL	12 32 30	LZ	18	20.1		
28	12 53 55.1		22. S 179.4 W FIJI ISLANDS REGION H=548 KM MAG 4.10 CGS					
28	DH-	eP	13 08 23.2	SZ	0.2	8.3	1.5	
		eS	08 43	SR	0.3	36.0		
28	15 43 13.6		43.5 N 127.1 W OFF COAST OF OREGON H= 33 KM MAG 4.80 CGS					
28	MN-	eP	15 45 18.0	SZ	1.2	7.3	8.5	4.69
		e	45 20	LR	30	204.0		
		eLQ	46 50	LT	22	9999.9		
		eL	48 02	ST	7.0	1046.6		
		eLR	48 20	LZ	22	931.2		
28	LC-	eP	15 47 42.5	SZ	2.0	115.0	19.5	4.79
		eP	47 45	LZ	11	209.6		
		eSS	51 35	LT	21	870.4		
		eLQ	52 23	LT	30	2125.5		
		eLR	55 00	LZ	21	763.4		
28	RK-	eP	15 48 23.9	SZ	1.3	51.5	23.7	4.86
		eS	52 50	LT	19	292.0		
		eLR	55 00	LZ	33	628.6		
28	NP-	eP	15 49 47.9	SZ	0.6	28.0	33.0	5.34
28	HW-	eL	15 58 25	LZ	23	362.9	33.5	
28	JE-	eLQ	15 59 35	LT	23	1780.6	29.9	
		eLR	16 00 30	LR	17	812.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	DH-	eLQ	16 03 48	LT	15.	397.1	37.8	
		eLR	06 07	LZ	15	1450.5		
							AVG.	4.92
28	RK-	eP	15 44 21.5	SZ	0.2	11.6	2.7	
		eS	44 57	ST	0.3	23.6		
28	DH-	eP	16 08 48.0	SZ	0.2	4.1	1.4	
		eS	09 07	SR	0.3	13.5		
28	16 25 54.6		34. N 141.2 E OFF E. COAST HONSHU, JAPAN H= 71 KM MAG 5.00 CGS					
28	LC-	eL	17 03 00	LZ	30	131.0	88.2	
28	LC-	eP	17 21 10.0	SZ	0.6	3.2		
28	LC-	e	17 21 30	LT	22	56.7		
28	LC-	eLQ	17 22 20	LR	15	1589.2		
28	LC-	eL	17 22 24	SR	0.7	22.7		
28	LC-	eLR	17 22 50	LZ	15	332.3		
28	JE-	eL	17 30 05	LZ	20	347.9		
28	DH-	eL	17 36 59	LT	14	271.5		
28	AD-	eL	17 40 00	LZ	23	343.1		
28	LC-	eP	17 53 24.0	SZ	0.3	2.0	3.0	
		e	53 30	SZ	0.6	5.6		
		eS	54 01	ST	999.9	9999.9		
28	18 30 20.2		61. N 147.4 W SOUTHERN ALASKA H= 89 KM MAG 4.50 CGS					
28	NP-	eP	18 34 28.5	SZ	1.0	8.2	18.1	3.92
28	MN-	eP	18 36 12.5	SZ	1.0	7.4	29.0	4.30
		eLQ	43 10	LT	30	297.6		
		eLR	44 45	LZ	24	375.0		
28	LC-	eLQ	18 47 10	LT	23	85.1	38.9	
		eLR	51 15	LT	18	233.4		
28	DH-	eLQ	18 53 05	LR	18	598.3	46.1	
		eLR	56 52	LZ	18	806.8		
							AVG.	4.11
28	LC-	eP	18 35 07.0	SZ	1.2	8.9		
28	JE-	e	18 55 14	LR	22	1218.3		
28	JE-	eL	18 58 36	LZ	21	650.6		
28	20 06 46.		5.2 S 150.5 E NEW BRITAIN REGION H=224 KM MAG 5.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	AD-	eP	20 14 09.4	SZ	0.2	170.4	.9	
		eS	14 21	ST	0.2	175.6		
28	MN-	eP	22 36 03.0	SZ	0.4	3.9	2.9	
		eS	36 40	SR	0.5	7.0		
28	22 39 46.*		2.5 S 138.7 E WEST NEW GUINEA					
			H= 82 KM MAG 4.70 CGS					
28	23 59 30.5		7.5 S 146.7 E EAST NEW GUINEA REGION					
			H=152 KM MAG 4.80 CGS					
29	MN-	eP	00 21 52.0	SZ	0.5	7.0	2.7	
		eS	22 26	ST	0.5	9999.9		
29	AD-	eP	00 56 22.0	SZ	0.2	47.6	1.3	
		eS	56 39	ST	0.3	9999.9		
29	01 26 37.*		16.1 S 168.1 E NEW HEBRIDES ISLANDS					
			H=172 KM					
29	02 00 02.*		57.8 N 149.5 W GULF OF ALASKA					
			H= 44 KM MAG 3.80 CGS					
29	MN-	eP	05 30 00.0	SZ	0.2	.8	3.2	
		eS	30 40	SR	0.5	2.4		
29	05 30 59.5		18.1 S 175.4 W TONGA ISLANDS					
			H=197 KM MAG 4.80 CGS					
29	06 30 30.6		15.8 N 93.3 W NEAR COAST CHIAPAS, MEXICO					
			H= 33 KM MAG 3.90 CGS					
29	JE-	eP	06 34 17.3	SZ	0.9	22.3	16.0	4.33
29	AD-	eP	12 22 01.2	SZ	0.2	77.3	.9	
		eS	22 14	ST	0.2	248.7		
29	13 47 24.3		33.3 N 141.9 E OFF E. COAST HONSHU, JAPAN					
			H= 41 KM MAG 4.60 CGS					
29	MN-	eP	13 59 15.0	SZ	1.4	10.1	77.0	4.64
29	RK-	eP	13 59 45.6	SZ	0.8	13.2	83.0	5.10

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.87
29	14 00 14.9		20.4 S 174.4 W TONGA ISLANDS					
			H= 29 KM MAG 6.50 CGS					
29	HW-	eP	14 08 20	LZ	18.	988.2	44.1	
		e	15 00	LZ	19	1606.8		
		eSCS	18 20	LT	34	6811.5		
		eLR	20 30	LZ	23	3525.3		
29	AD-	eP	14 11 37.5	SZ	0.9	125.0	72.0	5.96
		eP	11 38	LZ	18	1134.1		
		e	22 07	LZ	22	1333.2		
		eL	34 10	LZ	25	1504.9		
29	MN-	eP	14 12 16.5	SZ	1.0	39.1	78.8	5.35
		eP	12 20	LZ	17	949.8		
		e	12 25	SZ	1.5	202.9		
		e	13 16	SZ	1.5	105.2		
		e	22 15	LT	20	1614.8		
		eSS	26 55	LT	20	1586.2		
		eLQ	32 36	LR	25	2578.4		
		eLR	36 50	LZ	25	2698.9		
29	LC-	iP	14 12 41.2C	SZ	1.2	39.7	83.4	5.43
		iP	12 42 C	LZ	14	377.3		
		e	12 50	SZ	1.4	141.1		
		e	12 50	LZ	17	943.9		
		e	23 02	ST	5.5	560.3		
		e	23 08	LT	19	1721.0		
		eSS	28 42	LT	18	1349.4		
		eSSS	32 06	LT	25	788.9		
		eLQ	34 55	LR	32	2962.2		
		eLR	37 50	LZ	33	1683.9		
29	JE-	eP	14 13 40.6	SZ	1.5	56.9	94.3	5.73
		eP	13 45	LZ	17	641.8		
		eSKS	24 08	LT	16	1253.6		
		e	24 50	LT	20	3550.7		
		eSP	25 58	LZ	18	1166.2		
		eSS	31 12	LT	23	1719.9		
		eL	43 50	LZ	31	1363.4		
29	RK-	eP	14 13 57	LZ	15	423.8	99.9	
		ePP	18 00	LZ	17	343.9		
		eSKS	24 26	LR	17	349.8		
		eSKS	25 32	LT	20	1149.7		
		ePS	27 10	LR	18	793.9		
		eSS	32 38	LR	22	1457.8		
		eSSS	36 12	LT	23	580.1		
		eSKKS	37 53	LT	20	766.5		
		eLQ	42 17	LT	38	3824.9		
		eLR	48 00	LZ	999	9999.9		
29	DH-	ePD	14 14 40	LZ	20	168.7	110.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePi	18 52	LZ	20.	270.0		
		eSKS	25 20	LR	18	478.6		
		eS	27 03	LT	17	760.7		
		ePS	28 46	LT	18	1288.3		
		eSS	34 55	LT	25	2026.4		
		eLQ	47 30	LT	35	1699.0		
		eLR	53 10	LZ	28	1459.0		
							AVG.	5.61
29	NP-	eP	15 24 00.5	SZ	0.5	17.7		
29	DH-	eL	15 56 35	LZ	40	1365.8		
29	RK-	eL	16 03 20	LZ	50	1574.8		
29	MN-	eP	18 43 25.5	SZ	0.3	3.9	1.3	
		eS	43 41	SR	0.4	2.8		
29	18 46 15.3		8.6 S 74.5 W PERU BRAZIL BORDER REGION H=170 KM MAG 4.10 CGS					
29	MN-	eP	18 59 36.0	SZ	0.2	9.3	.5	
		eS	59 43	ST	0.2	9999.9		
29	DH-	eP	19 46 54.5	SZ	0.2	19.1	.9	
		eS	47 06	SR	0.2	30.9		
29	LC-	eP	19 52 31.6	SZ	0.2	14.1	1.5	
		eS	52 50	ST	0.2	11.5		
		eP	20 30 46.0	SZ	0.2	9.1		
		eS	31 05	SR	0.2	16.7		
29	20 31 51.9		16.4 S 69.3 W PERU BOLIVIA BORDER REGION H=139 KM MAG 4.00 CGS					
29	MN-	eP	22 21 33.0	SZ	0.5	1.6	2.7	
		eS	22 08	SR	0.6	2.7		
29	22 30 48.4		34.3 N 23.0 E MEDITERRANEAN SEA H= 33 KM					
29	MN-	eP	22 35 58.0	SZ	999.9	9999.9	2.9	
		eS	36 35	SR	0.5	9999.9		
29	MN-	eP	22 57 14.5	SZ	0.5	1.9	2.0	
		eS	57 41	ST	0.7	2.8		
29	MN-	eP	22 59 30.0	SZ	0.2	6.4	.5	
		eS	59 38	SR	0.2	8.6		
29	LC-	eP	23 44 27.9	SZ	0.2	5.4	.2	
		eS	44 33	SR	0.2	23.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	LC-	eL	02 00 24	ST	0.6	1.9		
30	03 47 00.3		22.9 S 179.1 W SOUTH OF FIJI ISLANDS H=368 KM MAG 3.90 CGS					
30	04 39 44.		34.5 N 23.4 E CRETE H= 43 KM MAG 4.60 CGS					
30	MN-	eL	05 23 26	LR	60	902.8	99.1	
30	JE-	eL	05 25 25	LR	30	550.9	90.4	
30	LC-	eL	05 32 42	LZ	27	186.6	98.5	
		eLR	38 12	LZ	22	419.9		
30	MN-	eP	05 02 26.3	SZ	0.5	.6	3.8	
		eS	03 12	ST	0.6	1.7		
30	LC-	eP	05 11 45.6	SZ	0.6	1.6		
30	LC-	eL	05 13 48	SR	0.8	3.0		
30	06 25 54.2		5 N 126.6 E MOLUCCA PASSAGE H= 77 KM					
30	LC-	eP	06 44 38.3	SZ	0.8	1.7		
30	08 23 12.2		32.5 S 71.6 W NEAR COAST OF CENTRAL CHILE H= 33 KM MAG 4.30 CGS					
30	RK-	eP	08 35 58.2	SZ	0.6	7.3	85.2	4.97
30	MN-	eP	08 33 56.7	SZ	0.4	3.1	3.2	
		eS	34 36	SR	0.5	10.1		
30	LC-	eP	08 34 38.2	SZ	0.6	3.2		
30	LC-	eL	09 57 10	LT	35	107.6		
30	HW-	eP	10 01 07.5	SZ	1.1	141.3		
30	RK-	eL	10 02 16	LZ	21	285.5		
30	JE-	eL	10 06 28	LT	26	499.6		
30	10 38 28.9		1 S 97.8 E SOUTHWEST OF SUMATRA H= 33 KM					
30	AD-	eP	11 57 48.8	SZ	0.2	77.3	1.5	
		eS	58 10	SR	0.4	192.0		
30	NP-	eP	12 27 43.0	SZ	0.7	10.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	LC-	eP	13 20 30.3	SZ	0.5	2.0		
30	LC-	eL	13 22 01	SR	0.6	3.1		
30	14 46 28.9		11.6 S 166.5 E SANTA CRUZ ISLANDS H=118 KM MAG 3.90 CGS					
30	MN-	eL	14 48 25	LZ	27.	121.2		
30	MN-	eP	16 12 41.0	SZ	0.6	2.0	3.9	
		eS	13 29	SR	0.7	2.9		
30	MN-	eP	17 12 37.0	SZ	0.3	2.9	.6	
		eS	12 46	ST	0.4	16.1		
30	LC-	eP	17 31 17.1	SZ	0.3	5.1	3.0	
		eS	31 54	ST	0.5	13.6		
30	RK-	eP	17 41 50.6	SZ	0.4	4.3	4.2	
		eS	42 41	SR	0.4	41.9		
30	17 51 35.*		35.3 N 118.0 W CENTRAL CALIFORNIA H= 33 KM MAG 4.20 CGS					
30	MN-	eP	17 52 16.6	SZ	0.7	2.9	3.6	
		eS	53 01	ST	999.9	9999.9		
30	19 14 08.		35.6 N 139.3 E NEAR S. COAST HONSHU, JAPAN H= 79 KM MAG 4.80 CGS					
30	DH-	eP	19 40 01.0	SZ	0.3	26.1	1.5	
		eS	40 22	SR	0.3	53.3		
30	20 27 24.1		58.4 N 151.3 W KODIAK ISLAND REGION H= 17 KM MAG 5.10 CGS					

Bulletin No. 34
October 1964

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. 34
October 1964

February 1965

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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 9 of the 39 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 39 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, N. W. Territory (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. Three-component long-period seismograph systems are also in operation at HW-IS and NP-NT. The Hawaii Island site was closed on 22 October 1964. The Jerome Arizona (JR-AZ) site was included as a bulletin site on 23 October 1964.

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 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.

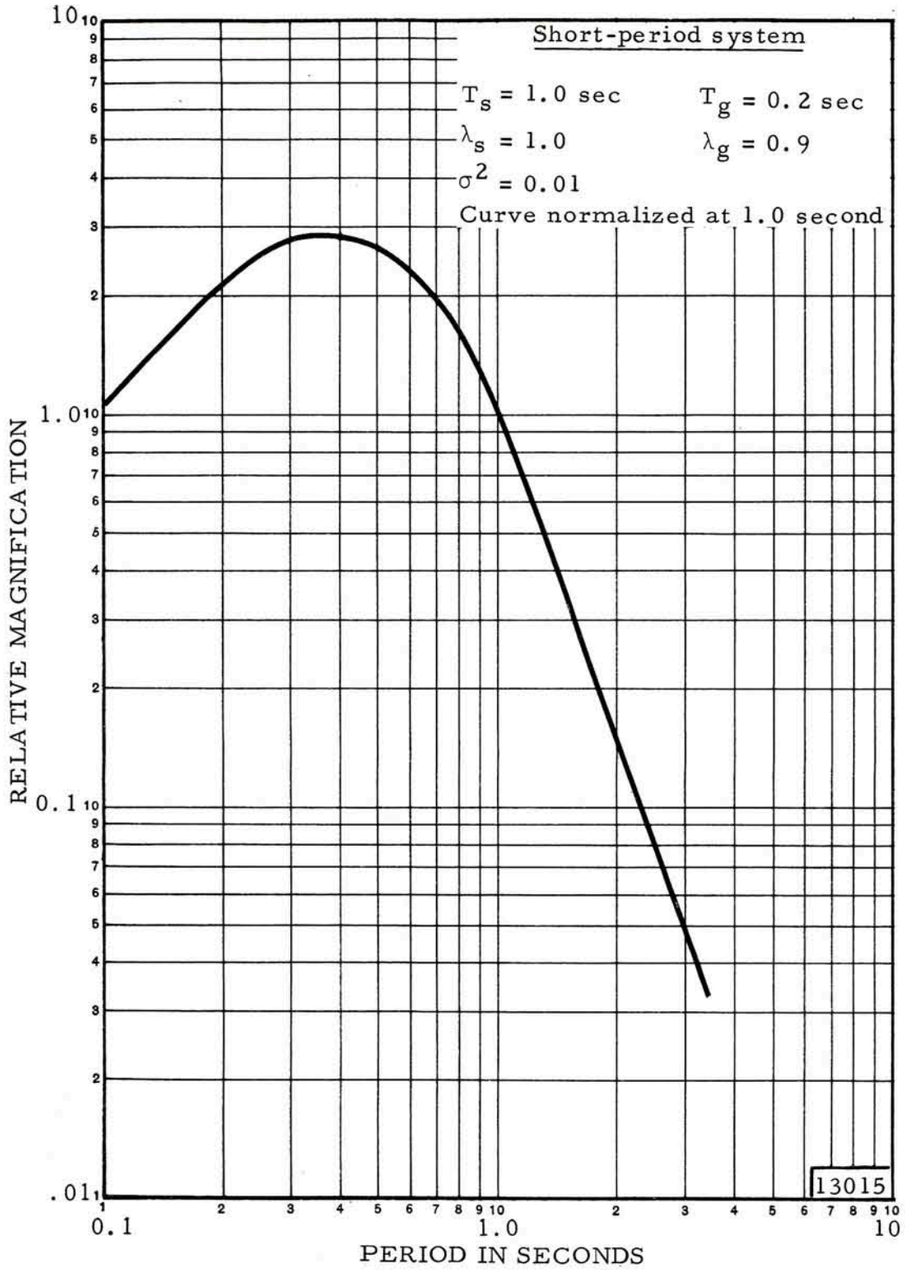


Figure 1. Frequency response of the Benioff short-period seismograph system

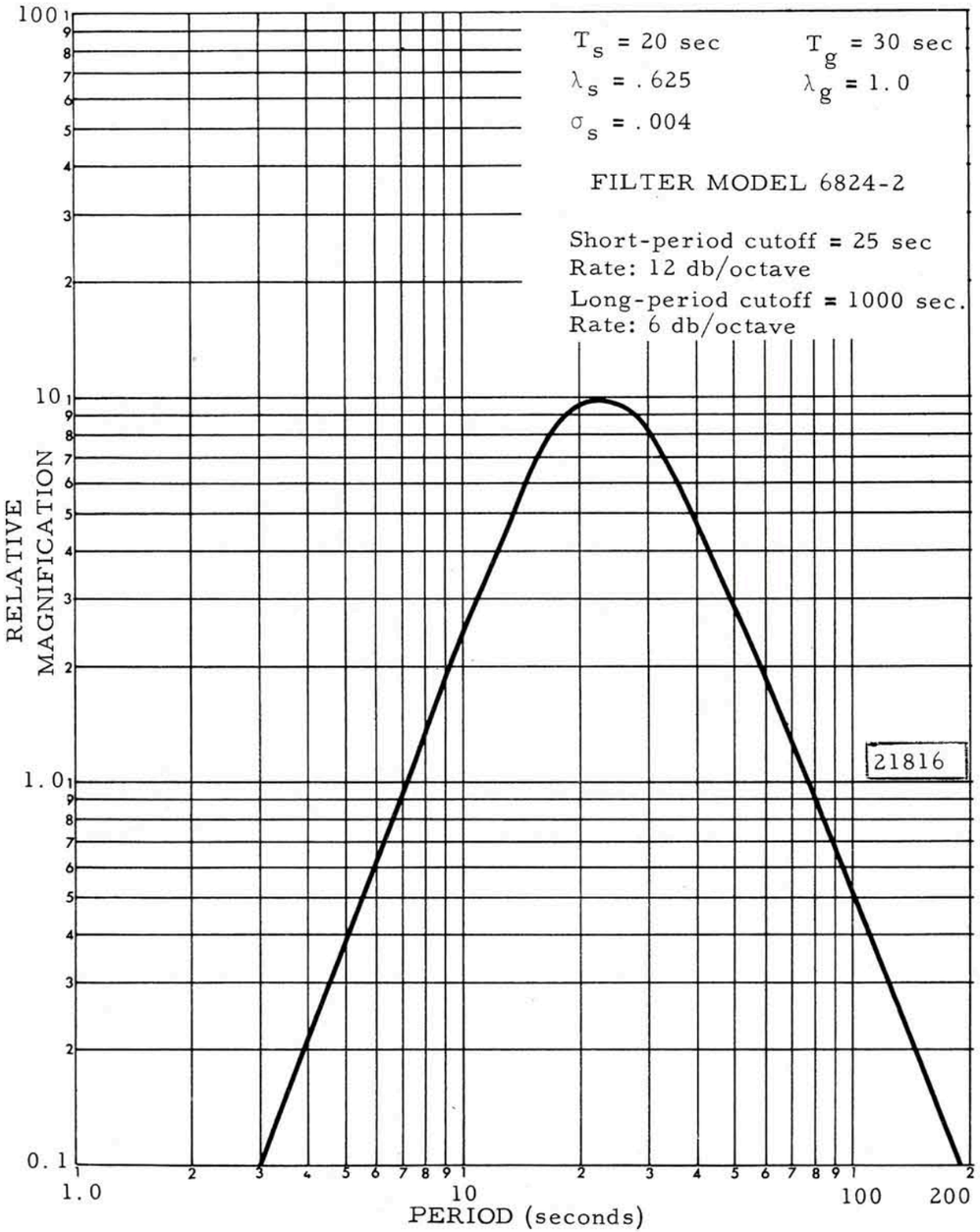


Figure 2. Frequency response of the Sprengnether long-period seismograph system

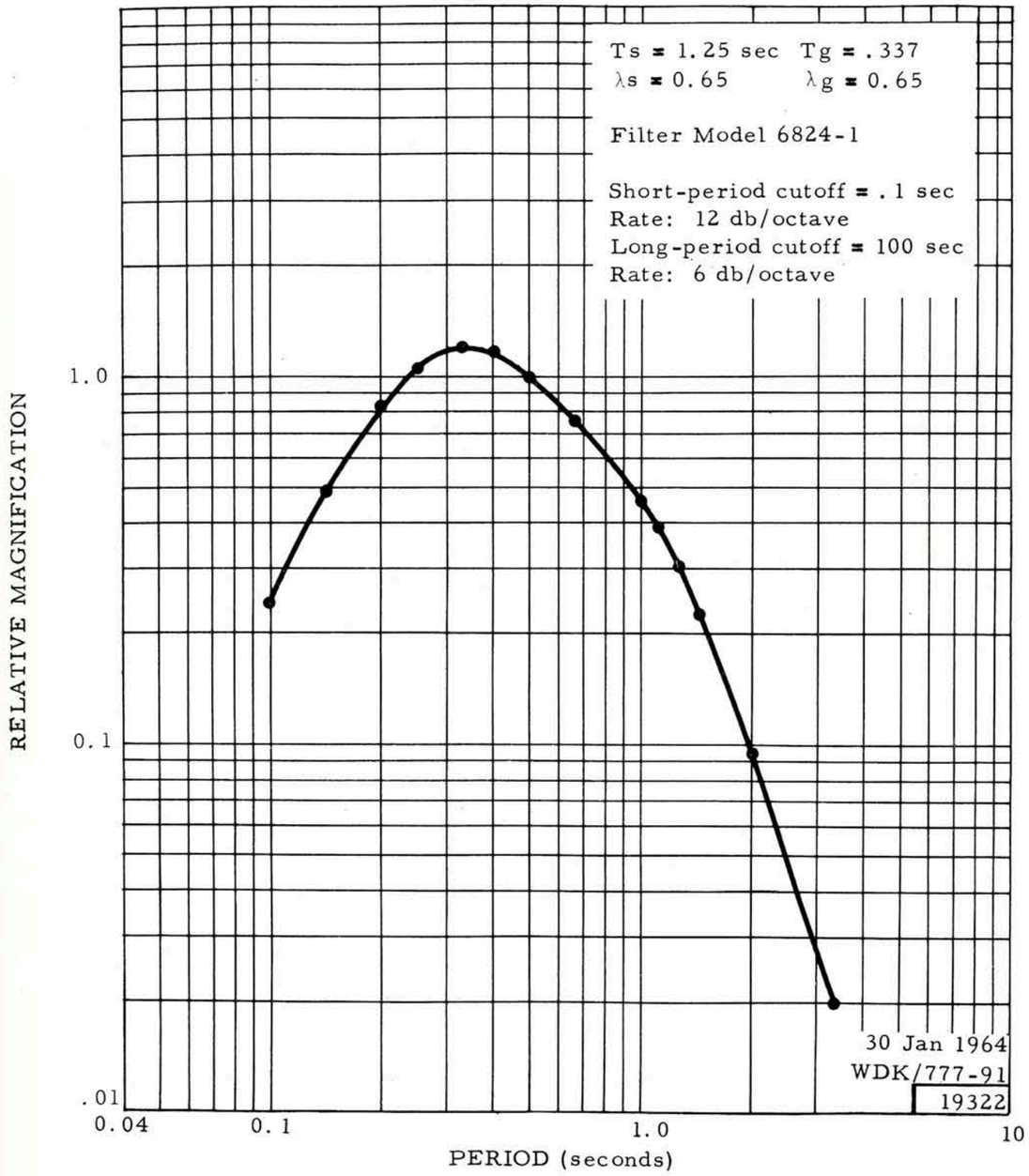


Figure 3. Frequency response of the Johnson-Matheson seismograph system

3. INTERPRETATION OF COLUMN TITLES

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).

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 designator	Site location
AD-	Adak, Aleutian Islands
LC-	Las Cruces, New Mexico
DH-	Delhi, New York
RK-	Red Lake, Ontario
JE-	Jena, Louisiana
HW-	Hawaii Island
NP-	Mould Bay, N. W. Territory
MN-	Mina, Nevada
JR -	Jerome, Arizona

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.

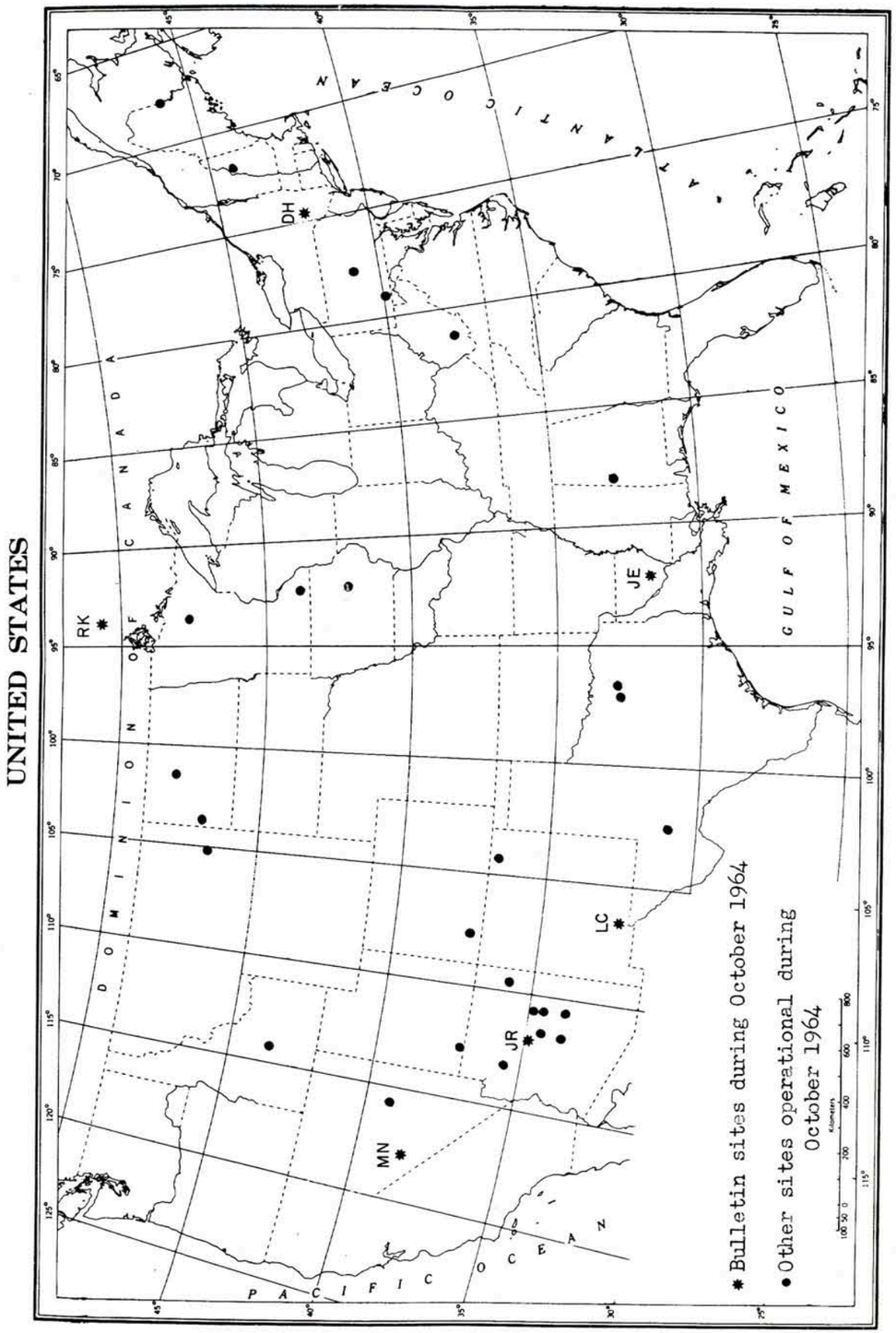


Figure 4. LRSM sites inside the continental United States and Canada during October 1964

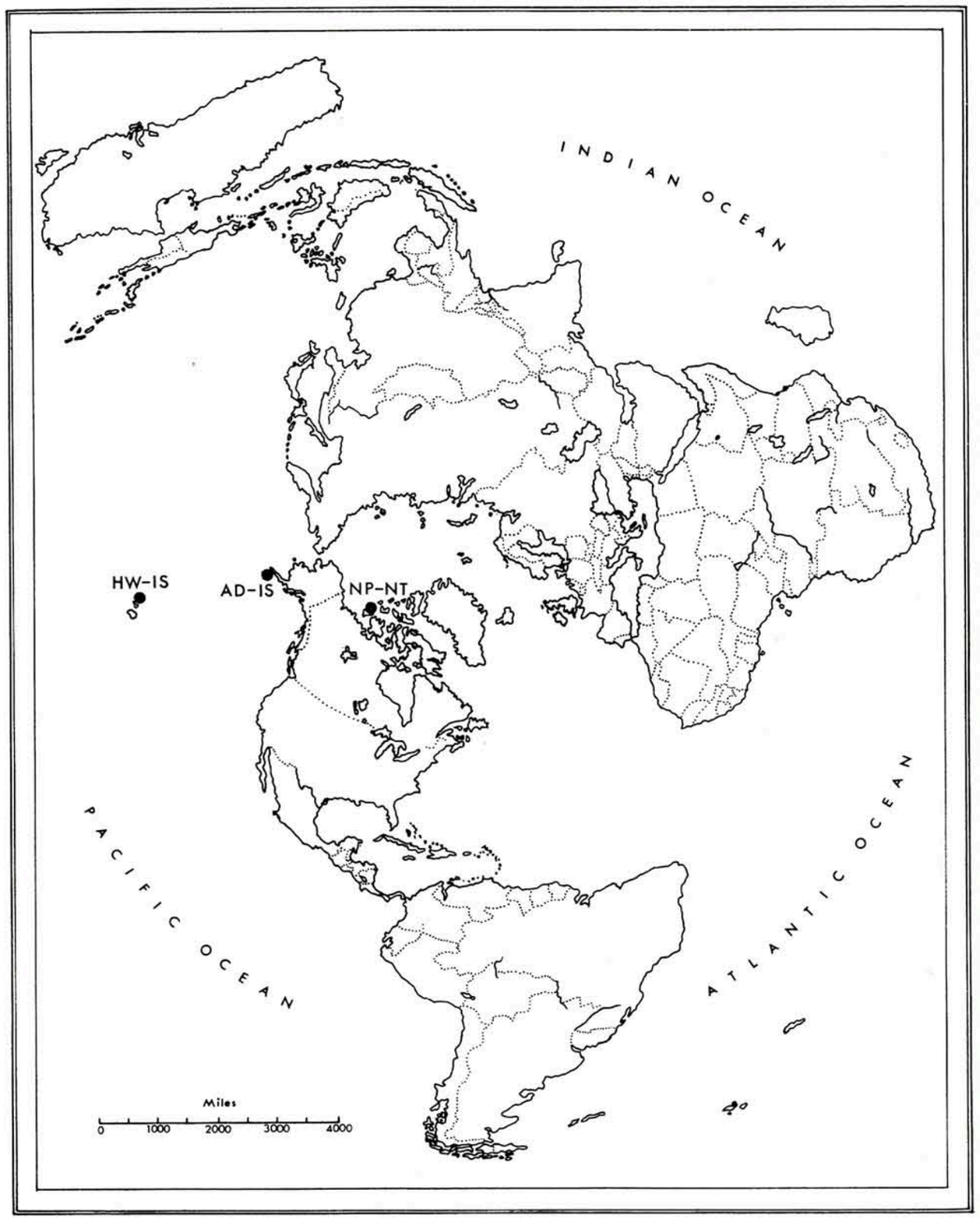


Figure 5. LRSM bulletin sites outside the continental United States during October 1964

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 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.

3.5 INST

The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

SZ	Short-period vertical
SR[1]	Short-period radial (horizontal)
ST[1]	Short-period transverse (horizontal)
LZ	Long-period vertical
LR[1]	Long-period radial (horizontal)
LT[1]	Long-period transverse (horizontal)

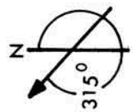
3.6 PER

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. If the signal period recorded by a short-period instrument cannot be measured, the digits 999.9 appear in the period columns. The digits 999 appear in the period columns if the signal period recorded by a long-period instrument cannot be measured.

[1]Table 1 gives the instrument orientation of the horizontal seismometers.

Table 1. Bulletin site information

Site designator	Site location	Horizontal seismometer orientation (azimuth from true north in degrees[1]) 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 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
HW-IS	Hawaii Island	235	325	N 19 58 49 W 155 42 20	0.71	Basalt
JE-LA	Jena, Louisiana	112	202	N 31 47 05 W 92 00 55	0.05	Sandstone
NP-NT	Mould Bay, N.W. Territory	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
MN-NV	Mina, Nevada	308	038	N 38 26 10 W 118 08 53	1.52	Limestone
AD-IS	Adak, Aleutian Islands	265	355	N 51 52 30 W 176 40 45	0.06	Basalt
JR-AZ	Jerome, Arizona	131	221	N 34 49 32 W 111 59 25	1.31	Limestone



[1] When earth moves in direction shown, trace moves up.

3.7 AMP

This column contains the amplitude of the phase given in millimicrons (mμ) or microns (μ) of ground displacement. All amplitudes are given in tenths of units. All amplitudes are corrected for instrument response and are reported as one-half the peak-to-peak value. If the amplitude is reported in microns, a U appears in the column to the right of the tenths column. The column is left blank if the amplitude is reported in millimicrons. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 9999.9 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. The distance is given to the nearest one-tenth of a 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[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

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

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°.

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

4. INTERPRETATION OF UNITED STATES COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precede 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.

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

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 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 39 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	MN-	eP	01 19 47.0	SZ	0.3	5.1	1.7	
		eS	20 10	ST	0.5	3.1		
1	LC-	eP	01 44 42.5	SZ	0.6	.8		
25	MN-	eP	11 51 50.5	SZ	0.3	6.8	.1	
		eS	51 54	ST	0.3	7.6		
1	02 33 03.*		10.5 S 13.3 W ASCENSION ISLAND REGION H= 33 KM MAG 5.10 CGS					
1	LC-	eP	02 46 41.2	SZ	1.0	2.8	98.3	4.90
		eLQ	03 14 43	LT	20	86.8		
		eLR	20 00	LZ	35	174.6		
1	DH-	eLR	03 08 34	LZ	28	200.0	76.9	
1	MN-	eL	03 26 40	LZ	30	154.1	108.1	
1	02 47 43.7		4. S 153.5 E NEW IRELAND REGION H=128 KM					
1	03 50 15.8		7.1 N 72.0 W NORTHERN COLOMBIA H= 66 KM MAG 4.00 CGS					
1	LC-	eP	03 57 53.3	SZ	1.0	4.7	40.8	4.24
1	06 36 12.*		14.1 S 175.1 W SAMOA ISLANDS REGION H=243 KM MAG 4.00 CGS					
1	JE-	e	07 12 27	LZ	20.	245.3	91.6	
		eLQ	15 22	LT	27	2724.1		
		eLR	19 40	LZ	17	641.8		
1	AD-	eP	07 27 11.0	SZ	0.2	23.8	.1	
		eS	27 41	ST	0.3	59.5		
1	07 46 02.		14.9 N 94.0 W NEAR COAST CHIAPAS, MEXICO H= 94 KM MAG 3.80 CGS					
1	LC-	eP	07 50 36.1	SZ	0.6	4.0	20.9	3.92
		eLQ	57 30	LT	13	827.3		
		eLR	58 15	LZ	15	381.4		
1	MN-	eLQ	08 02 05	LT	22	807.7	31.7	
		eLR	05 25	LZ	13	511.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	MN-	iP	08 15 16.5C	SZ	0.5	6.7	.6	
		eS	15 25	ST	0.5	19.9		
1	08 46 36.9		19.7 S 68.8 W CHILE BOLIVIA BORDER REGION H=138 KM MAG 4.40 CGS					
1	08 58 26.*		55.9 S 26.8 W SOUTH SANDWICH ISLANDS REG. H= 33 KM					
1	AD-	eL	09 15 00	LZ	20.	95.3		
1	MN-	eP	10 54 35	LZ	17	152.3		
1	11 00 48.3		43.5 N 126.9 W OFF COAST OF OREGON H= 33 KM					
1	MN-	eP	11 02 49.0	SZ	0.7	11.0	8.3	5.06
		eLQ	04 10	LT	15	9999.9		
		e	04 28	ST	1.0	6.4		
		e	05 08	SR	1.6	31.1		
		eL	05 34	ST	6.5	1778.9		
		eLR	05 50	LZ	10	4818.1		
1	LC-	iP	11 05 15.8C	SZ	1.0	21.0	19.4	4.36
		eP	05 16	LZ	20	117.8		
		eS	09 00	LT	21	9999.9		
		eLR	11 36	LZ	999	9999.9		
1	RK-	eP	11 05 58.0	SZ	1.0	58.9	23.6	5.02
		eP	06 00	LZ	20	218.7		
		e	06 04	SZ	0.4	27.4		
		eS	10 25	LT	20	515.2		
		eLQ	12 00	LT	26	1292.8		
		eLR	14 20	LZ	28	1916.6		
1	NP-	eP	11 07 21.3	SZ	0.7	10.9	33.0	4.86
1	HW-	eLR	11 15 55	LZ	27	731.0	33.6	
1	DH-	eLQ	11 21 05	LT	16	1074.5	37.6	
		eLR	23 45	LZ	15	1502.8		
							AVG.	4.82
1	RK-	eP	12 01 05.5	SZ	0.3	2.9	5.5	
		eS	02 10	SR	0.4	19.9		
1	12 05 39.*		31.2 N 114.2 W GULF OF CALIFORNIA H= 33 KM MAG 4.10 CGS					
1	LC-	eP	12 07 16.2	SZ	0.3	2.3	6.6	4.44
		eL	09 29	SR	1.0	30.7		
1	MN-	eP	12 07 19.5	SZ	1.0	5.1	7.9	4.49
		eL	09 55	LT	16	529.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	10 16	ST	1.5	28.2		
							AVG.	4.46
1	MN-	eP	12 17 25.0	SZ	0.7	1.2		
1	LC-	eL	12 18 30	LZ	21	166.7		
1	MN-	eL	12 19 21	ST	1.4	9.5		
1	MN-	eP	12 31 12.5	SZ	0.3	1.2	3.3	
1	12 31 24.6		45.7 N 122.8 W WASHINGTON OREGON REGION					
			H= 33 KM					
1	MN-	eP	12 33 24.5	SZ	0.6	2.8	8.0	4.48
		eL	35 45	SR	1.6	31.1		
		eL	36 00	LT	15	656.7		
1	LC-	eLQ	12 41 07	LT	20	114.3	18.2	
		eLR	42 08	LZ	14	366.6		
1	MN-	eS	12 31 54	SR	0.3	2.4	3.3	
1	JE-	e	13 27 55	LZ	18	266.5		
1	JE-	e	13 37 00	LZ	20	337.3		
1	JE-	e	13 42 20	LZ	28	497.0		
1	JE-	eL	13 46 40	LZ	23	802.3		
1	AD-	eP	13 52 15.2	SZ	0.2	71.4	.8	
		eS	52 26	SR	0.2	49.6		
1	RK-	eP	14 01 06.6	SZ	0.4	7.0	5.8	
		eS	02 11	SR	0.4	18.3		
1	DH-	eP	14 45 20.0	SZ	0.4	8.1	1.4	
		eS	45 40	SR	0.3	34.7		
1	16 25 54.*		14.3 N 124.7 E LUZON, PHILIPPINE ISLANDS					
			H=190 KM MAG 4.50 CGS					
1	AD-	eP	18 12 27.3	SZ	0.2	47.6	1.7	
		eS	12 51	SR	0.2	132.2		
1	18 19 43.8		13.6 N 90.1 W NEAR COAST OF GUATEMALA					
			H= 62 KM MAG 4.40 CGS					
1	LC-	eP	18 24 53.5	SZ	0.5	8.6	24.0	4.48
		ePCP	28 44	SZ	1.0	2.8		
		eL	29 23	LZ	22	156.5		
1	MN-	eP	18 26 33.0	SZ	0.6	7.4	35.1	4.79
		ePCP	29 12	SZ	0.8	7.0		
1	RK-	eP	18 26 51.0	SZ	0.7	11.4	37.3	4.84
		e	26 58	SZ	0.5	17.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.70
1	18 30 01.9		49.3 N 128.8 W VANCOUVER ISLAND REGION					
			H= 9 KM MAG 5.30 CGS					
1	MN-	eP	18 33 11.0	SZ	0.7	12.7	13.3	5.08
		e	33 25	SZ	1.2	35.3		
		e	33 32	SZ	1.2	34.0		
		e	33 54	SZ	1.3	45.8		
		e	34 40	LT	18	9999.9		
		e	35 52	SZ	3.2	278.7		
		eL	36 10	LT	999	9999.9		
		eL	39 00	ST	12.5	6403.4		
1	RK-	eP	18 35 04.5	SZ	0.8	37.9	22.5	4.91
		eP	35 08	LZ	17	565.0		
		e	35 09	SZ	0.5	38.7		
		eS	39 15	LR	18	2289.1		
		eLQ	40 52	LT	21	2090.5		
		eLR	42 55	LZ	26	9999.9		
1	LC-	eP	18 35 15.0	SZ	1.0	6.6	23.7	4.11
		ePP	35 40	LZ	20	170.2		
		eS	39 30	LT	999	9999.9		
		eLR	43 00	LZ	23	862.9		
1	NP-	eP	18 35 50.0	SZ	0.8	6.2	27.3	4.40
		eL	40 56	LZ	20	943.1		
1	AD-	eLQ	18 43 00	LT	25	3101.8	30.1	
		eLR	44 15	LZ	25	992.2		
1	DH-	eS	18 43 06	LR	28	719.8	37.6	
		eLQ	49 31	LR	19	1552.1		
		eLR	52 20	LZ	20	3703.2		
							AVG.	4.62
1	AD-	eL	19 35 54	LZ	17.	166.2		
1	DH-	eP	19 44 50.0	SZ	0.3	5.6	1.4	
		eS	45 08	SR	0.5	17.1		
1	LC-	eP	19 54 57.5	SZ	0.2	7.7	1.2	
		eS	55 15	ST	0.3	2.4		
1	LC-	eP	20 43 58.3	SZ	0.2	6.8	1.4	
		eS	44 16	ST	0.2	7.4		
1	DH-	eP	21 01 33.5	SZ	0.3	8.4	.8	
		eS	01 45	SR	0.4	22.3		
1	AD-	eP	21 18 57.5	SZ	0.2	17.8	1.5	
		eS	19 17	SR	0.2	49.6		
		eP	35 46.3	SZ	0.2	107.1		
		eS	36 06	ST	0.3	195.5		
1	MN-	eP	21 50 19.2	SZ	0.3	4.2	1.3	
		eS	50 37	ST	0.3	3.7		
2	00 58 39.2		51.9 N 142.9 E SAKHALIN ISLAND					
			H= 33 KM MAG 5.70 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	AD-	e	01 04 00	LZ	12.	1693.3	24.7	
		e	08 45	LZ	18	4032.0		
		eL	11 06	LZ	999	9999.9		
2	NP-	eP	01 06 28.3	SZ	1.3	72.2	42.1	5.27
		eP	06 30	LZ	10	1329.7		
		e	12 50	LZ	27	893.0		
2	04 31 21.		23.6 S 179.6 W SOUTH OF FIJI ISLANDS H=503 KM					
2	AD-	eP	05 33 31.0	SZ	0.2	89.5	1.1	
		eS	33 45	ST	0.2	105.1		
2	AD-	eP	05 56 00.2	SZ	0.2	83.5	1.8	
		eS.	56 25	ST	0.2	197.8		
2	09 47 27.2		10.4 S 162.4 E SOLOMON ISLANDS H= 58 KM MAG 5.20 CGS					
2	AD-	eL	10 17 15	LZ	26.	148.4	64.6	
2	10 39 33.*		44.8 N 111.4 W HEBGEN LAKE REGION H= 33 KM MAG 3.80 CGS					
2	RK-	eP	11 31 05.8	SZ	0.4	2.6	5.2	
		eS	32 07	SR	0.5	20.3		
2	13 00 39.7		10.5 S 162.4 E SOLOMON ISLANDS H= 68 KM MAG 6.00 CGS					
2	HW-	eP	13 09 37.2	SZ	0.7	76.5	51.2	5.81
		eP	09 39	LZ	28	499.1		
		eS	16 58	LR	25	9803.9		
		eSS	20 50	LT	28	6813.3		
		eLQ	24 10	LR	28	9420.2		
		eLR	26 52	LZ	21	6031.9		
		eL	27 21	LR	17	14.2U		
		eL	27 21	LT	12	9768.7		
2	AD-	eP	13 11 12.6	SZ	1.2	327.7	64.7	6.23
		eP	11 13	LZ	13	1421.7		
		e	11 24	SZ	0.9	240.9		
		epP	11 30	SZ	1.4	895.0		
		e	20 10	LZ	17	1362.6		
		e	21 08	LZ	25	2347.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	24 10	LZ	25.	1161.5		
		eLQ	27 32	LR	28	17.8U		
		eLR	30 00	LZ	999	9999.9U		
2	MN-	eP	13 13 45	LZ	22	394.9	88.3	
		e	24 02	LT	28	9999.9		
		ePS	25 17	LT	29	1375.0		
		ePPS	26 11	LT	27	9999.9		
		eSS	30 16	LT	999	9999.9		
		eSSS	33 45	LT	24	1856.9		
		e	36 43	LT	999	9999.9		
		eLQ	37 53	LT	25	2586.2		
		eLR	40 06	LZ	29	1896.4		
2	LC-	eP	13 14 04.0	SZ	1.5	5.6	96.4	4.89
		eP	14 15	LZ	25	207.7		
		e	17 10	SZ	1.0	1.9		
		ePP	17 55	LZ	27	222.9		
		eSKS	24 26	LT	999	9999.9		
		eSP	26 50	LZ	21	9999.9		
		eSS	31 28	LT	999	9999.9		
		e	36 00	LZ	22	9999.9		
		eLQ	40 20	LT	999	9999.9		
		eLR	45 16	LZ	999	9999.9		
2	NP-	eP	13 14 06.8	SZ	1.1	17.5	97.3	5.54
		eP	14 15	LZ	16	272.0		
		e	26 10	LZ	20	1391.3		
		e	32 23	LZ	27	1339.5		
		eLQ	41 40	LR	40	11.5U		
		eLR	46 55	LT	31	4968.9		
2	RK-	ePP	13 19 28	LZ	24	364.6	106.9	
		eSKS	26 00	LT	19	646.7		
		ePS	28 36	LR	37	1954.3		
		eSS	34 36	LR	34	3456.6		
		eSSS	38 23	LR	23	2871.0		
		e	44 48	LT	36	6239.8		
		eLQ	47 49	LT	22	3854.0		
		eLR	52 19	LZ	24	3348.5		
		eL	56 11	LR	22	3785.3		
		eL	56 11	LT	21	2002.6		
2	DH-	eP'	13 19 33.1	SZ	0.8	4.7	121.1	
		eSKP	23 07	LZ	17	494.1		
		ePS	31 00	LR	35	1193.2		
		eSS	37 02	LR	33	3073.6		
		eLQ	53 49	LT	29	1467.9		
		eLR	14 01 00	LZ	26	4020.0		
		eL	02 38	LR	25	3621.0		
		eL	02 38	LT	15	879.9		
2	JE-	e	13 30 05	LZ	24	1040.8	108.7	
		eSS	35 02	LR	33	2677.0		
		e	39 20	LZ	27	1335.4		
		eP'PKS	42 26	LR	22	1493.4		
		eL	45 57	LZ	22	732.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	51 32	LZ	27.	2276.7		
							AVG.	5.61
2	RK-	eP	15 01 05.5	SZ	0.3	4.0	5.1	
		eS	02 12	SR	0.5	42.5		
2	DH-	eL	15 03 37	LZ	22	1235.4		
2	JE-	eL	15 14 57	LZ	18	1073.0		
2	RK-	eL	15 15 17	LZ	22	1975.6		
2	RK-	eL	15 16 52	LR	22	1511.0		
2	RK-	eL	15 16 52	LT	19	612.7		
2	MN-	eL	15 26 11	LZ	21	1126.8		
2	MN-	eL	15 29 08	LR	19	1111.1		
2	MN-	eL	15 29 08	LT	19	1018.1		
2	HW-	eL	15 42 25	LZ	21	251.3		
2	16 52 06.4		21.7 S 67.7 W CHILE BOLIVIA BORDER REGION H= 49 KM MAG 5.00 CGS					
2	LC-	eP	17 02 45.7	SZ	1.5	8.4	65.4	4.60
2	LC-	eP	18 44 35.8	SZ	0.2	2.2	2.9	
		eS	45 12	ST	0.2	5.6		
2	LC-	eP	19 50 02.0	SZ	0.8	2.2		
2	LC-	eP	19 54 39.3	SZ	0.2	5.4	1.5	
		eS	54 59	ST	0.2	6.5		
2	LC-	e	20 07 15	LR	16	264.3		
2	LC-	eL	20 08 26	LZ	15	840.5		
2	20 41 47.7		8.9 S 79.7 W NEAR COAST OF NORTHERN PERU H= 55 KM MAG 4.60 CGS					
2	LC-	eP	20 50 27.5	SZ	1.0	1.9		
2	22 23 32.4		59.7 N 144.5 W GULF OF ALASKA H= 22 KM MAG 5.20 CGS					
2	NP-	eP	22 27 52.5	SZ	0.9	86.6	18.8	4.99
		eP	28 02	LZ	11	1726.9		
		e	31 30	LZ	17	1617.5		
		eL	34 25	LT	16	4092.0		
2	RK-	eP	22 29 37.8	SZ	0.6	27.8	29.6	5.24
		eS	35 00	LR	19	1251.6		
		eL	38 20	LR	22	3211.0		
		eL	39 20	LR	22	3211.0		
		eL	39 20	LT	24	1731.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	39 40	SR	3.0	536.9		
2	LC-	eP	22 30 43.3	SZ	1.3	9.1	37.1	4.39
		eP	30 44	LZ	13	191.7		
		ePP	32 16	LZ	19	173.6		
		ePCS	36 41	LT	22	124.6		
		eLQ	39 37	LT	20	249.0		
		eLR	41 01	LT	26	462.5		
		eL	42 43	LT	22	442.2		
		eL	42 43	LR	9	635.4		
		eL	42 43	LZ	16	255.7		
2	MN-	eS	22 34 03	LR	14	867.8	27.1	
		eL	36 10	LT	20	920.3		
		eL	37 00	LT	20	920.3		
		eL	37 00	LR	12	516.7		
2	HW-	eL	22 40 26	LT	16	1278.7	40.5	
2	DH-	eL	22 46 02	LR	33	1200.6	44.9	
		eL	48 07	LR	13	6871.8		
		eL	48 21	LR	13	6871.8		
		eL	48 21	LT	13	4631.2		
		eL	50 45	LZ	14	4006.7		
2	JE-	eL	22 48 05	LR	16	2103.7	44.4	
							AVG.	4.87
3	AD-	eP	00 19 14.5	SZ	0.2	65.8	1.8	
		eS	19 39	ST	0.3	88.1		
3	01 55 00.2		21. S 178.5 W FIJI ISLANDS REGION H=547 KM MAG 5.00 CGS					
3	MN-	eP	02 06 23.1	SZ	0.6	3.4	81.8	4.05
3	LC-	eP	02 06 48.5	SZ	1.2	5.8	86.8	4.18
							AVG.	4.11
3	LC-	eL	02 23 20	LZ	28.	100.4		
3	LC-	eL	04 56 07	LZ	20	143.7		
3	AD-	eP	05 34 21.5	SZ	0.2	29.9	.5	
		eS	34 39	ST	0.2	123.6		
3	HW-	eP	06 00 48.3	SZ	0.9	58.7		
3	LC-	eP	08 35 29.7	SZ	0.7	1.4	6.0	
		eL	36 40	SR	0.8	4.8		
3	LC-	eP	08 41 19.3	SZ	0.9	1.4		
3	LC-	eL	08 42 36	SR	0.8	7.6		
3	MN-	eP	09 09 45.4	SZ	0.9	2.5		
3	LC-	eP	10 04 51.9	SZ	0.8	1.6	6.3	
		eL	06 07	SR	0.6	2.9		
3	RK-	eP	11 31 05.5	SZ	0.2	8.2	5.4	
		eS	32 10	SR	0.2	34.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3			12 49 31.5 10.7 S 75.3 W PERU H=154 KM MAG 4.80 CGS					
3	LC-	eP	12 58 29.3	SZ	1.1	9.4	52.3	4.48
3	MN-	eP	12 59 46.0	SZ	1.2	7.6	63.1	4.40
							AVG.	4.44
3			13 39 39.9 61.4 N 147.1 W SOUTHERN ALASKA H= 48 KM MAG 5.20 CGS					
3	NP-	eP	13 43 41.8	SZ	1.0	33.1	17.6	4.47
		eL	47 20	LZ	27	3264.5		
3	AD-	eP	13 43 54.2	SZ	0.9	38.6	18.7	4.65
		eP	44 00	LZ	17	126.0		
		e	47 22	LZ	17	327.6		
		eL	49 00	LZ	26	681.0		
3	MN-	iP	13 45 38.8D	SZ	0.9	53.8	29.1	5.29
		eP	45 39	LZ	22	179.2		
		eS	50 54	LR	23	625.1		
		eSS	51 30	LT	21	277.1		
		eLR	54 00	LZ	24	1657.4		
3	RK-	eP	13 45 52.0	SZ	0.8	7.3	30.7	4.55
		e	48 25	SZ	1.0	12.4		
		eSCP	52 20	LZ	23	507.6		
		eL	55 30	LR	20	3012.0		
3	LC-	eP	13 47 04.0	SZ	1.2	33.7	39.0	4.99
		eP	47 04	LZ	21	119.2		
		ePP	48 48	LZ	15	199.7		
		ePCS	53 13	LT	22	133.6		
		e	56 10	LZ	21	314.6		
		eLQ	58 02	LT	32	243.2		
		eLR	14 00 00	LZ	28	844.9		
3	JE-	eP	13 48 01.2	SZ	1.0	48.4	46.1	5.39
		eL	14 04 25	LZ	28	823.4		
3	HW-	eL	13 57 09	LR	20	558.9	41.8	
3	DH-	eL	14 01 55	LR	30	1232.7	45.9	
							AVG.	4.89
3	RK-	eL	13 58 00	LZ	18.	3130.6		
3	LC-	eP	14 02 16.1	SZ	1.0	2.8		
3	RK-	eP	14 31 06.0	SZ	0.2	4.7	3.4	
		eS	31 50	SR	0.3	19.4		
3			15 05 20.* 59.1 N 153.2 W SOUTHERN ALASKA H= 60 KM MAG 4.10 CGS					
3	NP-	eP	15 10 03.0	SZ	0.7	13.6	20.9	4.39

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	AD-	eL	15 14 50	LZ	17.	100.8	15.1	
3			16 52 20.7 26.7 S 177.7 W SOUTH OF FIJI ISLANDS H=134 KM MAG 4.50 CGS					
3	LC-	eP	17 05 05.4	SZ	1.0	2.8	89.6	4.29
3			17 02 48. 18.1 S 178.8 W FIJI ISLANDS REGION H=673 KM MAG 4.40 CGS					
3	MN-	eP	17 13 50.8	SZ	1.0	10.8	79.9	
		epP	16 00	SZ	1.2	5.1		
3	LC-	eP	17 14 18.6	SZ	0.8	5.7		
3	MN-	eP	18 27 29.0	SZ	0.4	2.8	1.6	
		eS	27 50	SR	0.6	22.0		
3	AD-	eP	18 39 45.0	SZ	0.2	17.9	2.3	
		eS	40 15	ST	0.3	46.3		
3	LC-	eP	19 05 00.6	SZ	0.6	1.5	1.7	
		eS	05 24.4	ST	0.5	1.4		
3	LC-	eP	19 40 46.5	SZ	0.2	17.7	1.4	
		eS	41 05	SR	0.3	4.4		
3			20 41 33.5 45.3 N 150.0 E KURILE ISLANDS H= 48 KM MAG 4.50 CGS					
3	MN-	eP	20 53 53.0	SZ	0.2	.7	.7	
		eS	54 03	SR	0.2	12.5		
3	AD-	eP	20 55 32.0	SZ	0.2	11.9	3.8	
		eS	56 19	SR	0.4	26.3		
3	AD-	eP	21 31 30.5	SZ	0.3	76.2	1.5	
		eS	31 50	ST	0.4	138.8		
3	AD-	eL	21 32 00	LZ	16	248.0		
3	AD-	eP	21 33 51.5	SZ	0.2	11.9	1.5	
		eS	34 12	ST	0.2	43.2		
3			22 00 53.8 10.3 S 164.5 E SANTA CRUZ ISLANDS REGION H= 66 KM MAG 4.40 CGS					
3	MN-	eP	22 13 30.6	SZ	1.2	6.4	86.6	4.56
3	AD-	e	22 20 00	LZ	17	126.0	64.0	
		eL	29 53	LZ	27	452.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	LC-	eL	22 44 48	LZ	25.	104.7	94.5	
3	22 41 09.		20.2 S 176.3 W FIJI ISLANDS REGION H=219 KM MAG 4.40 CGS					
3	MN-	eP	22 52 54.9	SZ	0.5	.9	79.8	3.79
		e	53 58	SZ	1.0	3.3		
3	LC-	eP	22 53 21.0	SZ	0.8	5.0	84.7	4.32
		e	54 26	SZ	1.1	8.2		
							AVG.	4.05
3	AD-	eP	23 30 29.0	SZ	0.2	11.9	.8	
		eS	30 40	ST	0.3	32.4		
4	AD-	eP	00 24 31.5	SZ	0.2	18.0	1.6	
		eS	24 52	ST	0.2	100.4		
4	AD-	eP	00 44 19.2	SZ	0.2	36.1	1.5	
		eS	44 38	SR	0.2	72.3		
4	LC-	e	01 03 42	LT	23	211.3		
4	MN-	e	01 04 25	LT	22	265.2		
4	LC-	e	01 09 50	LR	28	383.6		
4	MN-	e	01 11 00	LR	20	287.9		
4	DH-	e	01 13 40	LR	20	205.3		
4	LC-	e	01 13 55	LZ	20	89.3		
4	HW-	eL	01 16 00	LZ	30	1428.2		
4	LC-	e	01 16 35	LT	30	249.9		
4	LC-	e	01 18 10	LR	35	874.1		
4	MN-	e	01 18 23	LR	35	755.7		
4	LC-	eLR	01 21 32	LZ	30	247.3		
4	MN-	eLQ	01 23 40	LT	27	1106.4		
4	LC-	eL	01 24 02	LT	20	424.9		
4	LC-	eL	01 24 02	LR	19	306.3		
4	LC-	eL	01 24 02	LZ	21	535.3		
4	DH-	e	01 24 40	LR	35	631.8		
4	MN-	eLR	01 25 20	LZ	27	1293.9		
4	RK-	e	01 25 28	LT	30	188.1		
4	RK-	e	01 27 42	LR	50	2943.7		
4	DH-	eL	01 31 35	LZ	32	788.4		
4	AD-	eL	01 32 43	LZ	28	1166.2		
4	RK-	eL	01 35 00	LZ	25	249.2		
4	01 46 54.*		39.4 N 15.4 E SOUTHERN ITALY H=261 KM MAG 4.20 CGS					
4	06 30 14.4		11.3 N 87.4 W NEAR COAST OF NICARAGUA H= 33 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	07 00 57.1		27.9 N 69.2 E INDIA W. PAKISTAN BORDER H= 14 KM MAG 4.80 CGS					
4	RK-	eL	07 48 20	LZ	40.	356.1	100.2	
4	LC-	eL	07 50 02	LZ	28	90.8	119.9	
		eL	58 40	LZ	38	162.1		
4	MN-	eL	08 01 55	LZ	35	209.1	113.7	
4	09 11 23.*		8.9 S 129.2 E TIMOR SEA H= 78 KM MAG 4.40 CGS					
4	HW-	eL	09 55 15	LZ	30.	680.1	79.2	
4	MN-	eL	10 04 15	LZ	28	440.6	113.2	
4	LC-	eP	09 33 26.5	SZ	1.0	1.9		
4	LC-	e	09 50 40	LT	23	89.0		
4	RK-	eL	09 52 40	LZ	31	341.6		
4	LC-	eLQ	09 59 10	LR	32	446.5		
4	LC-	eLR	10 01 30	LZ	36	306.9		
4	AD-	eL	10 12 15	LZ	25	406.5		
4	AD-	eP	10 17 18.5	SZ	0.2	90.4	.9	
		eS	17 31	SR	0.2	301.3		
4	LC-	eL	10 53 35	LT	17	113.4		
4	LC-	eL	10 54 30	LZ	17	134.4		
4	RK-	eP	11 31 05.0	SZ	0.3	6.3		
4	RK-	eL	11 32 11	SR	0.3	68.2		
4	DH-	eP	11 32 50.5	SZ	0.5	12.0		
4	12 27 37.2		17.7 S 178.3 W FIJI ISLANDS REGION H=576 KM MAG 4.00 CGS					
4	RK-	eP	14 01 05.2	SZ	0.3	8.1		
4	RK-	eL	14 02 10	SR	0.3	60.1		
4	DH-	eP	14 02 51.5	SZ	0.4	13.8		
4	MN-	eP	14 38 35.5	SZ	0.4	.5	1.9	
		eS	39 02	SR	0.4	2.2		
4	MN-	eP	14 40 08.0	SZ	0.6	2.7	4.1	
		eS	41 00	ST	1.0	8.0		
4	AD-	eP	16 18 01.4	SZ	0.3	122.0	1.9	
		eS	18 27	ST	0.3	257.0		
4	16 27 29.*		66.1 N 154.3 W ALASKA H= 33 KM MAG 3.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	LC-	eP	17 03 43.5	SZ	0.9	2.2		
4	LC-	e	17 06 45	SZ	0.8	2.2		
4	MN-	eP	17 22 41.7	SZ	0.3	2.6	.9	
		eS	22 54	SR	0.4	4.5		
4	AD-	eP	19 17 20.7	SZ	0.2	229.0	1.5	
		eS	17 40	SR	0.2	361.6		
4	MN-	eP	21 31 58.5	SZ	0.4	5.1	3.4	
		eS	32 39	ST	0.4	9.9		
4	22 57 03.4		37.8 N 20.9 E IONIAN SEA H= 90 KM MAG 4.00 CGS					
5	01 24 55.*		32.9 N 115.8 W CALIFORNIA MEXICO REGION H= 33 KM MAG 4.50 CGS					
5	03 25 57.*		41.9 N 142.2 E HOKKAIDO, JAPAN REGION H= 33 KM MAG 4.70 CGS					
5	03 35 08.4		42.6 N 142.6 E HOKKAIDO, JAPAN REGION H= 38 KM MAG 5.00 CGS					
5	06 24 01.		18.2 S 177.7 W FIJI ISLANDS REGION H=334 KM MAG 4.70 CGS					
5	08 30 15.7		16.7 S 173.7 W TONGA ISLANDS H= 33 KM MAG 5.10 CGS					
5	MN-	eP	08 41 59.5	SZ	1.2	20.5	75.6	5.01
		eLQ	09 04 55	LT	32	489.7		
		eLR	05 10	LZ	28	954.7		
5	LC-	eP	08 42 27.6	SZ	1.0	10.4	80.6	4.73
		eL	09 06 56	LZ	25	541.3		
5	HW-	eL	08 48 30	LZ	26	794.9	40.5	
5	AD-	eL	09 01 25	LZ	30	505.7	68.3	
5	JE-	eL	09 13 25	LZ	30	280.1	91.8	
5	RK-	eL	09 15 35	LZ	28	985.7	96.6	
5	NP-	eL	09 16 05	LZ	35	429.9	98.3	
5	DH-	eL	09 22 25	LZ	30	521.0	107.5	
							AVG.	4.87
5	MN-	eP	09 33 59.0	SZ	0.5	.6		
5	MN-	eL	09 36 03	LZ	30	339.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	12 24 06.4		16.6 S 174.2 W TONGA ISLANDS H= 84 KM					
5	MN-	eP	12 35 46.5	SZ	1.1	9.2	75.8	4.57
5	LC-	eP	12 36 13.5	SZ	0.6	2.1	80.9	4.19
		e	36 46	SZ	0.8	1.8		
							AVG.	4.38
5	13 12 15.5		22.3 S 171.6 E LOYALTY ISLANDS REGION H=145 KM MAG 4.90 CGS					
5	MN-	eP	13 24 57.0	SZ	0.8	14.7	89.3	5.08
5	LC-	eP	13 25 23.7	SZ	1.0	3.1	95.1	4.62
		e	25 55	SZ	0.9	2.4		
							AVG.	4.85
5	13 58 56.9		22.2 S 175.8 W TONGA ISLANDS REGION H= 33 KM MAG 5.10 CGS					
5	MN-	eP	14 11 11.2	SZ	1.0	8.3	81.0	4.65
5	LC-	eP	14 11 35.2	SZ	0.8	24.7	85.5	5.36
		eL	37 35	LZ	30	446.2		
5	HW-	eL	14 20 28	LZ	25	411.6	46.3	
5	RK-	eL	14 46 20	LZ	28	985.7	102.1	
							AVG.	5.00
5	AD-	eP	13 59 02.0	SZ	0.3	5.9	4.0	
		eS	59 51	SR	0.3	21.2		
5	DH-	eP	14 40 13.0	SZ	0.3	16.9	1.5	
		eS	40 34	ST	0.3	62.7		
5	LC-	eP	19 09 00.0	SZ	0.2	2.9	.5	
		eS	09 08	SR	0.2	23.3		
5	LC-	eP	20 02 39.0	SZ	0.2	1.9	2.5	
		eS	03 10	SR	0.2	4.6		
5	22 10 16.5		36. N 141.2 E NEAR E. COAST HONSHU, JAPAN H= 62 KM MAG 4.90 CGS					
5	NP-	eP	22 20 01.2	SZ	0.8	5.6	57.6	4.65
5	MN-	eP	22 21 58.0	SZ	1.2	15.3	75.8	4.81
		e	26 05	SZ	0.8	1.9		
		eL	44 50	LZ	32	221.0		
5	LC-	eP	22 23 00.0	SZ	0.8	1.8	87.0	4.24
		e	33 53	LR	30	225.0		
		eLQ	46 25	LT	20	73.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	50 30	LZ	34.	143.3		
5	AD-	eL	22 25 42	LZ	25	426.0	33.7	
5	RK-	eL	22 51 15	LZ	30	116.0	81.0	
							AVG.	4.56
5	MN-	eP	22 34 02.5	SZ	0.5	1.5	2.6	
		eS	34 35	SR	0.6	3.4		
5	AD-	eP	22 46 26.2	SZ	0.2	35.8	1.6	
		eS	46 48	SR	0.3	170.0		
5	22 58 04.9		13.8 N 91.3 W NEAR COAST OF GUATEMALA H= 33 KM MAG 4.40 CGS					
5	LC-	eP	23 03 11.4	SZ	0.8	13.6	23.2	4.47
5	MN-	eP	23 32 32.5	SZ	0.3	2.9	1.3	
		eS	32 51	ST	0.3	7.3		
6	DH-	eL	01 19 55	LZ	30	151.7		
6	JE-	eL	01 29 40	LZ	30	173.0		
6	LC-	e	01 35 20	LR	20	218.7		
6	01 37 21.*		56.5 N 152.7 W KODIAK ISLAND REGION H= 33 KM MAG 4.40 CGS					
6	MN-	eP	01 43 20.0	SZ	0.7	2.5	29.1	4.10
		eL	51 45	LZ	20	314.3		
6	AD-	eL	01 45 45	LZ	18	918.5	14.7	
6	LC-	eLQ	01 54 00	LT	22	77.6	39.7	
		eLR	58 00	LZ	19	332.7		
6	02 19 33.3		17.7 N 95.6 W OAXACA, MEXICO H=131 KM MAG 4.30 CGS					
6	JE-	eP	02 22 51.0	SZ	0.7	44.7	14.4	4.87
6	LC-	eP	02 23 31.3	SZ	0.5	4.5	17.7	4.02
6	MN-	eP	02 25 20.5	SZ	1.0	5.1	28.5	4.14
							AVG.	4.34
6	02 54 32.7		30.3 N 94.6 E TIBET H= 33 KM MAG 4.50 CGS					
6	04 11 23.*		28.4 S 65.4 W SANTIAGO PROVINCE, ARGENTINA H= 82 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	06 11 32.6		18.6 N 119.6 E PHILIPPINE ISLANDS REGION H= 33 KM MAG 6.00 CGS					
6	NP-	eP	06 23 34.0	SZ	1.0	19.6	79.0	5.03
		eL	56 50	LZ	20	295.8		
6	MN-	e	06 39 35	LZ	20	489.0	101.6	
		eSS	44 20	LT	38	1643.9		
		e	50 20	LR	28	3309.6		
		eL	54 10	LZ	15	2926.8		
6	AD-	eL	06 44 25	LZ	22	420.1	59.4	
6	LC-	eSS	06 46 32	LT	18	134.6	112.7	
		eL	58 30	LZ	23	74.4		
6	RK-	eL	07 01 00	LZ	45	645.4	104.9	
6	JE-	eL	07 11 55	LZ	40	297.5	121.4	
6	DH-	eL	07 13 30	LZ	32	335.6	118.0	
6	AD-	eP	06 17 32.9	SZ	0.2	96.4	.4	
		eS	17 40	ST	0.2	426.4		
6	07 17 57.1		36.2 S 100.9 W SOUTHERN PACIFIC OCEAN H= 33 KM MAG 5.50 CGS					
6	LC-	eP	07 28 49.0	SZ	1.1	44.9	68.4	5.48
		e	43 00	LT	20	1851.6		
		eLQ	45 50	LT	999	9999.9		
6	JE-	eP	07 28 56.5	SZ	1.2	30.7	68.1	5.28
		eS	38 02	LR	16	5366.2		
		eLQ	45 40	LR	22	4003.0		
		eLR	47 35	LZ	26	1073.0		
6	MN-	eP	07 29 40.5	SZ	1.0	2.5	76.0	4.21
6	DH-	eP	07 30 14.5	SZ	1.1	29.3	81.6	5.20
		e	40 25	LT	22	1091.0		
		eSS	45 25	LR	25	1211.6		
		eL	52 30	LR	42	10.0U		
6	RK-	eP	07 30 40.0	SZ	1.1	18.1	86.9	5.14
		eL	08 00 30	LZ	27	1645.9		
6	AD-	eSP	07 46 27	LZ	24	422.9	109.8	
		eSS	52 35	LT	25	2547.9		
		e	53 00	LZ	25	1224.7		
		eL	08 08 22	LZ	28	4591.4		
6	HW-	eL	07 53 25	LZ	25	4619.1	76.2	
6	NP-	eL	08 04 15	LT	35	4422.8	112.8	
		eL	13 20	LZ	25	1270.6		
							AVG.	5.06
6	HW-	eL	07 39 40	LZ	5.	5733.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	NP-	eL	09 29 35	LZ	24.	481.0		
6	LC-	eL	09 43 50	LZ	26	191.1		
6	10 06 17.9		2.6 N 95.3 W GALAPAGOS ISLANDS REGION					
			H= 33 KM MAG 4.70 CGS					
6	LC-	eP	10 12 39.0	SZ	1.0	7.0	31.5	4.48
		eLQ	22 15	LZ	38	405.6		
		eLR	28 55	LZ	20	1648.7		
6	MN-	eP	10 14 02.5	SZ	0.9	2.6	41.3	4.00
		eL	27 45	LZ	25	450.0		
							AVG.	4.24
6	MN-	eL	11 59 55	LZ	28.	94.3		
6	14 29 55.6		40.2 N 28.1 E TURKEY					
			H= 10 KM MAG 5.10 CGS					
6	NP-	eP	14 40 17.5	SZ	1.0	23.5	62.0	5.35
6	RK-	e	14 41 24	SZ	0.9	16.9	76.0	
6	DH-	eP	14 41 24.8	SZ	1.2	109.8	72.4	5.83
6	MN-	eP	14 43 24.0	SZ	1.1	5.2	95.9	4.97
6	LC-	eP	14 43 25.8	SZ	1.2	12.4	96.5	5.36
							AVG.	5.37
6	14 31 19.2		40.3 N 28.2 E TURKEY					
			H= 10 KM MAG 6.88 CGS					
6	NP-	eP	14 41 40.5	SZ	1.0	58.8	61.9	5.74
		iP	41 42 D	LZ	20	7101.4		
		e	41 48	SZ	1.0	149.0		
		ePCP	42 16	SZ	1.2	150.4		
		e	42 50	SZ	1.4	58.0		
		e	42 50	LZ	22	955.5		
		ePP	43 50	LZ	20	3649.3		
		ePPP	45 45	LZ	18	5785.9		
		e	45 54	SZ	3.5	634.4		
		e	47 40	LZ	25	1759.4		
		e	50 20	LR	26	34.5U		
		e	50 27	ST	4.0	790.3		
		e	54 50	LZ	40	9999.9		
		eSSS	57 05	LR	26	35.9U		
		eLQ	59 40	LT	36	9999.9U		
		eLR	15 01 10	LZ	999	9999.9U		
6	DH-	eP	14 42 42.6	SZ	1.2	293.0	72.4	6.26
		eP	42 45	LZ	19	4674.1		
		e	44 35	LZ	20	2902.0		
		e	52 15	LR	25	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	54 05	LT	23.	5891.5		
		eSS	56 25	LT	17	9999.9		
6	RK-	eP	14 43 07.0	SZ	0.8	31.9	76.0	5.47
		eP	43 10	LZ	23	5255.5		
		eS	52 55	LT	999	9999.9		
6	AD-	eP	14 43 57	LZ	18	4852.0	85.7	
		e	44 10	SZ	1.1	93.7		
		ePP	47 24	SZ	2.5	781.8		
		ePP	47 30	LZ	22	2982.7		
		e	50 55	LZ	21	3397.3		
		e	54 38	LT	20	19.0U		
		eSS	59 43	LR	23	6970.6		
		e	15 00 00	LT	35	27.1U		
		eLQ	06 48	LT	24	15.0U		
		eLR	11 40	LR	23	9999.9U		
6	JE-	eP	14 44 20	LZ	20	3235.7	89.4	
		e	46 08	LZ	22	2564.8		
		e	55 15	LR	25	18.1U		
		e	15 07 00	LZ	25	9999.9U		
6	MN-	eP	14 44 47.4	SZ	1.4	24.3	95.8	5.52
		eP	44 50	LZ	22	1742.8		
		e	44 55	SZ	2.4	289.6		
		ePP	48 47	SZ	3.5	664.3		
		ePP	48 55	LZ	24	2163.7		
		eS	56 00	LR	999	9999.9		
		e	15 04 15	LZ	32	5771.8		
		eL	25 27	SZ	25.0	41.5U		
6	LC-	eP	14 44 49.2	SZ	1.4	21.6	96.5	5.54
		eP	44 50	LZ	21	1299.9		
		ePP	48 40	LZ	25	9999.9		
		ePP	48 50	SZ	4.0	956.7		
		eSKP	52 20	LZ	24	1444.7		
		eSP	57 10	LZ	999	9999.9		
		ePKKP	15 01 33	SZ	1.1	3.7		
		eL	25 00	SZ	25.0	28.1U		
6	HW-	ePP	14 51 40	LZ	20	2953.5	119.9	
		eSPP	15 02 45	LZ	20	9045.0		
		e	08 30	LZ	30	5211.4		
		eP?SKP	12 25	LZ	17	7886.6		
		e	20 25	LZ	21	6598.2		
		eL	29 50	LZ	35	17.0U		
							AVG.	5.70
6	NP-	eL	17 00 13	LZ	27.	1440.2		
6	AD-	eP	17 39 06.5	SZ	0.2	72.3	3.0	
		eS	39 46	SR	0.3	168.7		
6	LC-	eL	18 17 32	ST	0.5	5.9		
6	LC-	eP	18 17 54.0	SZ	0.5	.7		
6	18 19 08.*		13.4 S 75.8 W PERU					
			H=117 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	18	24 57.	70.9 N 5.7 W JAN MAYEN ISLAND REGION H= 33 KM MAG 4.80 CGS					
6	19	12 12.	16.1 S 168.6 E NEW HEBRIDES ISLANDS H= 21 KM MAG 5.40 CGS					
6	MN-	eP	19 24 59.0	SZ	1.0	25.5	87.3	5.39
6	LC-	eP	19 25 31.5	SZ	0.8	2.3	94.2	4.61
							AVG.	5.00
6	20	19 34.1	29.3 N 80.9 E NEPAL INDIA BORDER REGION H= 27 KM MAG 5.10 CGS					
6	NP-	eP	20 31 07.5	SZ	1.0	47.0	73.9	5.43
		e	31 18	SZ	1.0	31.3		
6	LC-	eP	20 22 15.5	SZ	0.5	9999.9	1.3	
		eS	22 33	ST	0.5	9999.9		
6	LC-	eP	21 02 21.2	SZ	0.4	1.3		
6	LC-	eL	21 03 46	ST	0.6	13.9		
7	00	54 18.	53. N 36.2 W NORTH ATLANTIC OCEAN H= 33 KM MAG 4.50 CGS					
7	DH-	eL	01 08 40	LZ	30	303.4	27.9	
7	RK-	eL	01 10 50	LZ	35	261.7	34.7	
7	JE-	eL	01 17 15	LZ	34	179.3	45.0	
7	LC-	eL	01 24 47	LZ	23	230.1	53.4	
7	01	24 45.2	20.7 S 177.8 W FIJI ISLANDS REGION H=328 KM MAG 4.40 CGS					
7	03	52 11.3	6.8 S 155.2 E SOLOMON ISLANDS H= 70 KM MAG 5.50 CGS					
7	MN-	eP	04 05 12.5	SZ	1.1	12.3	91.6	5.12
		eL	35 20	LZ	25	105.3		
7	AD-	eL	04 21 43	LZ	28	240.4	63.2	
7	LC-	eL	04 38 36	LZ	33	122.9	100.5	
7	RK-	eL	04 45 15	LZ	26	221.6	108.5	
7	JE-	eL	04 46 45	LZ	25	122.3	112.9	
7	DH-	eL	04 53 50	LZ	30	303.4		
7	DH-	eL	04 53 50	LZ	30	303.4	123.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	MN-	iP	04 23 08.8D	SZ	0.2	9999.9	.8	
		eS	23 20	ST	0.3	9999.9		
7	MN-	iP	07 37 22.6C	SZ	999.9	9999.9		
7	11	03 55.*	51.9 N 173.3 W ANDREANOF ALEUTIAN ISLANDS H= 33 KM MAG 3.80 CGS					
7	AD-	eP	11 04 25.5	SZ	0.3	9999.9	2.1	
		eP	04 30	LZ	17	931.5		
		eL	04 41	SR	0.4	336.4		
7	LC-	eL	12 26 57	LZ	19.	57.8		
7	AD-	eP	13 32 12.5	SZ	0.4	22.0	2.5	
		eS	32 45	SR	0.2	121.9		
7	AD-	eP	14 27 52.0	SZ	0.4	8.8	2.0	
		eS	28 19	SR	0.3	13.0		
7	LC-	eP	14 56 32.0	SZ	0.9	7.7		
7	NP-	eP	16 30 25.5	SZ	0.4	3.0	.6	
		eS	30 35	ST	0.5	28.4		
7	LC-	eP	16 59 27.2	SZ	0.5	1.8	2.8	
		eS	17 00 02	SR	0.5	18.4		
7	17	02 34.4	6.3 S 78.6 W NORTHERN PERU H= 23 KM MAG 3.70 CGS					
7	17	26 25.*	43.5 N 126.0 W OFF COAST OF OREGON H= 23 KM MAG 4.50 CGS					
7	LC-	eP	18 17 35.8	SZ	0.4	2.0	3.1	
		eS	18 14	SR	0.4	6.4		
7	20	05 37.*	59. N 148.8 W KENAI PENINSULA, ALASKA H= 33 KM					
7	MN-	eP	21 03 08.0	SZ	0.4	2.5	.7	
		eS	03 19	ST	0.4	10.8		
7	23	04 47.9	32.7 N 83.9 E TIBET H= 33 KM					
7	AD-	eS	23 06 39	SR	0.3	60.9		
7	23	07 52.	40.1 N 28.2 E TURKEY H= 32 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	03 15 41.6		18.3 S 174.8 W TONGA ISLANDS H= 97 KM MAG 4.70 CGS					
8	04 36 26.*		3.4 N 126.7 E TALAUD ISLANDS H= 33 KM MAG 4.10 CGS					
8	RK-	eP	06 49 00.0	SZ	1.0	12.5		
8	AD-	eP	08 41 54.9	SZ	0.2	78.1	.5	
		eS	42 03	ST	0.2	70.8		
8	10 39 13.		6.5 S 154.4 E SOLOMON ISLANDS H= 74 KM MAG 5.20 CGS					
8	MN-	eP	10 52 14.3	SZ	1.0	6.6	92.0	4.92
		eL	11 25 47	LZ	17	101.5		
8	AD-	eL	11 09 10	LZ	22	127.6	63.2	
8	LC-	eL	11 25 50	LZ	28	65.7	101.0	
8	RK-	eL	11 31 42	LZ	15	62.9	108.8	
8	DH-	eL	11 40 35	LZ	30	18.7	123.8	
8	10 55 26.*		2.6 S 79.1 W NEAR COAST OF ECUADOR H=131 KM MAG 4.00 CGS					
8	LC-	eL	12 04 45	LR	15.	530.5		
8	12 35 35.*		27.3 N 110.9 W GULF OF CALIFORNIA H= 33 KM MAG 4.60 CGS					
8	LC-	eP	12 37 11.0	SZ	0.9	1.5	6.3	3.70
		eL	39 07	SR	0.5	11.8		
8	MN-	eP	12 38 37.5	SZ	1.5	9.8	12.7	4.61
		e	38 50	SZ	1.2	6.4		
		eL	42 28	LR	25	158.7		
8	JE-	eL	12 45 05	LZ	24	89.7	17.0	
							AVG.	4.15
8	14 12 54.*		43.9 N 127.4 W OFF COAST OF OREGON H= 33 KM MAG 3.90 CGS					
8	MN-	eP	14 15 02.2	SZ	0.7	.8	8.9	4.06
8	14 38 02.*		22.6 S 69.4 W NORTHERN CHILE H= 33 KM MAG 4.70 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	MN-	eP	15 33 11.6	SZ	0.5	1.5	2.7	
		eS	33 46	ST	0.4	12.4		
8	16 53 23.		52.8 N 168.0 W FOX ALEUTIAN ISLANDS H= 33 KM MAG 4.50 CGS					
8	AD-	eP	16 54 40.3	SZ	0.5	57.1	5.4	5.38
		eP	54 43	LZ	13	182.7		
		eL	56 18	LZ	20	1647.4		
		e	56 58	ST	0.7	104.9		
8	MN-	eP	17 00 30.6	SZ	0.9	4.4	36.9	4.27
8	RK-	eP	17 01 30.5	SZ	0.8	2.9	44.1	4.08
		eLQ	11 45	LT	18	199.2		
		eLR	16 58	LZ	18	143.1		
8	LC-	eP	17 02 00.0	SZ	0.9	6.1	48.0	4.64
8	DH-	eP	17 03 15.0	SZ	0.6	6.6	59.5	4.86
8	NP-	eL	17 15 00	LZ	15	271.8	29.8	
							AVG.	4.64
8	LC-	eL	17 06 35	LZ	26.	116.4		
8	17 07 15.*		32.1 S 70.9 W CHILE ARGENTINA BORDER REG. H=146 KM MAG 4.20 CGS					
8	LC-	eL	17 38 40	LR	13.	2635.3	72.5	
8	DH-	eP	17 11 31.0	SZ	0.2	26.4	1.8	
		eS	11 55	SR	0.3	33.6		
8	HW-	eL	18 09 13	LZ	20	306.1		
8	AD-	eP	19 03 04.5	SZ	0.2	24.0	1.1	
		eS	03 18	ST	0.2	76.8		
8	MN-	eP	20 07 01.5	SZ	0.9	1.9		
8	LC-	eL	20 36 50	LZ	22	58.9		
8	LC-	eP	21 02 13.5	SZ	0.3	9999.9	1.2	
		eS	02 31	ST	0.3	9999.9		
8	AD-	eP	22 02 25.5	SZ	0.2	18.0	2.0	
		eS	02 54	ST	0.3	44.3		
8	MN-	eP	22 04 01.2	SZ	0.3	7.1	1.3	
		eS	04 18	SR	0.3	4.6		
		eP	06 43.3	SZ	0.3	7.1		
		eS	07 00	SR	0.3	4.6		
8	MN-	eP	22 18 16.8	SZ	0.2	3.5		
8	LC-	eP	23 39 11.3	SZ	0.5	3.7		
9	00 14 22.*		35. S 115.0 W EASTER ISLAND CORDILLERA H= 33 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	00 33 46.2		38.9 N 110.9 W UTAH					
			H= 33 KM					
9	02 26 02.4		47.8 N 114.2 W MONTANA					
			H= 33 KM MAG 4.60 CGS					
9	04 27 42.*		5.6 S 129.0 E BANDA SEA					
			H= 79 KM MAG 5.20 CGS					
9	AD-	eP	07 22 10.0	SZ	0.2	16.0	.6	
		eS	22 18	ST	0.2	170.4		
9	09 11 54.*		60. N 143.7 W SOUTHERN ALASKA					
			H= 33 KM MAG 4.00 CGS					
9	NP-	eP	10 05 17.0	SZ	0.4	3.3		
9	NP-	eL	10 06 59	SR	0.7	8.9		
9	11 27 57.*		18.4 N 68.9 W MONA PASSAGE					
			H=178 KM MAG 4.30 CGS					
9	12 43 04.5		28.4 N 138.8 E BONIN ISLANDS REGION					
			H=520 KM MAG 4.90 CGS					
9	AD-	eP	12 49 58.5	SZ	0.4	26.0	40.5	5.11
9	NP-	eP	12 52 48.5	SZ	999.9	9999.9	65.4	
9	NP-	eP	14 07 01.5	SZ	0.9	14.8		
9	14 56 48.*		59.6 N 143.9 W GULF OF ALASKA					
			H= 29 KM MAG 3.80 CGS					
9	RK-	eP	17 12 19.0	SZ	0.3	1.8	2.0	
		eS	12 45	SR	0.4	10.2		
9	DH-	eP	19 04 37.0	SZ	0.6	9.7	2.0	
		eS	05 01	ST	0.4	19.1		
9	DH-	eP	19 23 58.5	SZ	0.3	19.5	1.5	
		eS	24 19	SR	0.6	98.3		
9	19 26 39.7		6.8 N 73.0 W NORTHERN COLOMBIA					
			H=157 KM MAG 5.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	DH-	eP	19 33 23.0	SZ	0.4	107.5	35.3	5.96
		ePP	34 49	SZ	0.9	30.0		
		e	38 48	SZ	0.9	48.0		
		eSCP	39 21	SZ	0.6	13.0		
9	LC-	iP	19 34 04.0C	SZ	0.7	130.5	40.3	5.70
		epP	34 38	SZ	0.9	48.0		
		eSCP	39 40	SZ	1.2	24.0		
		eS	40 00	ST	3.0	192.7		
		eS	40 00	LT	22	112.5		
		eSS	43 05	LT	23	209.0		
9	RK-	eP	19 34 57.5	SZ	0.5	120.0	47.1	5.75
		ePP	36 50	SZ	1.0	32.8		
		eS	41 37	ST	1.0	20.6		
9	NP-	iP	19 37 58.8C	SZ	0.7	174.7	73.9	5.94
		epP	38 38	SZ	1.0	33.1		
		ePP	40 45	SZ	1.4	38.4		
		eS	47 15	ST	1.0	10.2		
							AVG.	5.83
9	19 55 34.7		57. N 151.9 W KODIAK ISLAND REGION					
			H= 17 KM MAG 5.10 CGS					
9	AD-	eP	19 59 14.4	SZ	0.9	45.2	15.3	4.85
		eLR	20 04 05	LZ	23	1561.1		
9	NP-	eP	20 00 37.5	SZ	1.2	119.3	22.6	5.23
		epP	00 46	SZ	1.0	124.4		
		eP	00 47	LZ	21	289.7		
		e	05 00	LZ	15	1130.1		
		eLR	11 40	LZ	20	986.3		
9	RK-	eP	20 02 18.0	SZ	0.8	5.9	33.9	4.56
		epP	02 24	SZ	1.3	48.5		
		e	08 10	LT	19	223.2		
		eLQ	13 00	LR	18	834.8		
		eLR	15 20	LR	19	1699.9		
9	LC-	eP	20 03 06.0	SZ	1.1	19.2	39.5	4.69
		eP	03 10	LZ	19	86.8		
		epP	03 13	SZ	1.0	12.5		
		ePP	04 50	LZ	16	106.5		
		eS	09 15	LR	16	370.3		
		eSS	12 10	LT	21	211.3		
		eLQ	14 10	LT	20	356.9		
		eLR	17 25	LZ	19	788.4		
		eL	18 40	LZ	17	999.0		
		eL	18 40	LR	18	799.6		
		eL	18 40	LT	17	318.4		
9	MN-	e	20 09 15	LT	19	398.0	28.9	
		eL	10 40	LR	18	970.6		
9	HW-	eLR	20 15 00	LZ	20	271.9	37.1	
9	DH-	eLQ	20 20 30	LR	20	368.8	49.3	
		eLR	22 45	LR	19	902.7		
9	JE-	eL	20 22 20	LT	20	2465.7	47.7	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.83
9	LC-	eP	20 00 07.5	SZ	0.2	20.8	1.4	
		eS	00 27	ST	0.4	21.1		
9	DH-	eP	20 00 54.5	SZ	0.4	8.0	.8	
		eS	01 05	SR	0.4	16.2		
9	NP-	eP	20 17 07.0	SZ	0.7	5.4		
9	JE-	eLR	21 19 45	LZ	20	521.4		
9	21 34 09.2		16.2 S 171.9 W SAMOA ISLANDS REGION H= 33 KM MAG 5.80 CGS					
9	LC-	iP	21 46 11.5	SZ	1.1	104.1	78.9	5.72
		eP	46 13	LZ	21	109.4		
		ePCP	46 31	SZ	1.1	30.8		
		e	47 20	LZ	16	133.2		
		ePPP	50 40	LZ	15	90.0		
		eS	56 12	LR	16	389.8		
		ePS	56 50	LT	18	234.4		
		eSS	22 01 10	LR	22	252.5		
		e	07 23	LZ	24	265.7		
		eL	10 22	LZ	26	693.7		
9	NP-	eP	21 47 40.5	SZ	2.0	59.2	97.4	5.87
9	HW-	eLQ	21 50 35	LT	20	2576.4	39.3	
		eLR	52 10	LZ	25	1616.7		
9	AD-	eSP	21 54 36	LZ	22	421.9	67.9	
		e	22 02 48	LZ	20	195.9		
		eLR	05 05	LZ	28	823.4		
9	MN-	eS	21 55 20	LR	22	288.5	74.1	
		ePPS	56 00	LT	35	690.1		
		eLQ	22 05 05	LR	23	1426.7		
		eLR	07 40	LZ	30	1621.4		
9	RK-	eSS	22 05 10	LR	22	372.2	95.2	
		eLQ	14 25	LT	37	1603.4		
		eLR	19 00	LZ	30	1359.3		
9	DH-	e	22 18 05	LT	30	502.7	105.8	
		eLR	25 50	LZ	28	464.8		
							AVG.	5.79
9	22 07 13.*		59.5 N 144.4 W GULF OF ALASKA H= 16 KM MAG 4.50 CGS					
9	NP-	eLR	22 20 00	LZ	35	758.8	19.0	
10	AD-	eP	00 29 33.0	SZ	0.2	12.1		
10	AD-	eS	00 29 47	ST	0.2	68.0		
10	LC-	eP	00 54 48.5	SZ	0.3	1.5	1.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	55 14	SR	0.7	10.2		
10	04 47 46.*		32. N 87.3 E TIBET H= 20 KM					
10	MN-	eP	05 41 16.0	SZ	0.5	1.2		
10	LC-	e	06 21 45	LZ	21	136.8		
10	LC-	e	06 22 50	LT	27	225.1		
10	JE-	eL	06 25 45	LZ	30	179.3		
10	LC-	eL	06 26 15	LZ	30	139.7		
10	MN-	eL	06 30 00	LT	25	132.0		
10	RK-	eLR	06 34 40	LZ	30	186.5		
10	AD-	eL	06 45 18	LZ	27	231.1		
10	07 50 52.7		16.7 N 97.9 W OAXACA, MEXICO H= 43 KM MAG 4.40 CGS					
10	LC-	eP	07 54 55.5	SZ	0.7	4.2	17.5	3.73
		eLQ	59 45	LT	21	235.7		
		eLR	08 01 25	LZ	15	660.4		
10	MN-	eP	07 56 42.5	SZ	0.9	5.2	28.0	4.28
		eL	08 05 00	LT	25	214.5		
10	NP-	eP	08 01 01.0	SZ	0.7	5.2	60.6	4.72
							AVG.	4.24
10	07 56 40.5		25.2 S 180.0 SOUTH OF FIJI ISLANDS H=432 KM MAG 3.80 CGS					
10	08 31 07.7		23.8 S 179.7 W SOUTH OF FIJI ISLANDS H=441 KM					
10	AD-	eP	11 33 55.0	SZ	0.2	30.2		
10	AD-	eS	11 34 13	SR	0.3	60.2		
10	NP-	eP	11 36 16.5	SZ	0.7	13.0		
10	DH-	eP	13 21 31.5	SZ	0.4	19.7	1.5	
		eS	21 51	SR	0.5	17.0		
		eP	15 04 04.0	SZ	0.6	9.5		
		eS	04 24	SR	0.5	42.5		
10	16 00 59.*		5.9 S 130.1 E BANDA SEA H=100 KM MAG 4.40 CGS					
10	RK-	eP	17 07 20.0	SZ	0.4	11.2	4.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	08 11	SR	0.5	30.3		
10	17 13 30.*		30.2 S 179.3 W KERMADEC ISLANDS H=294 KM					
10	MN-	eP	17 42 51.6	SZ	999.9	9999.9		
10	19 38 47.7		60.4 N 146.1 W SOUTHERN ALASKA H= 44 KM MAG 5.30 CGS					
10	NP-	eP	19 42 59.5	SZ	0.8	29.8	18.4	4.56
		eP	43 00	LZ	20	386.9		
		e	43 44	ST	1.4	105.2		
		eS	46 30	ST	1.0	13.6		
		eL	49 20	LZ	25	639.1		
10	AD-	eP	19 43 06.0	SZ	0.4	8.7	18.9	4.38
		eP	43 07	LZ	24	86.4		
		eS	46 35	ST	0.6	10.8		
		eL	48 42	LZ	21	455.7		
10	MN-	eP	19 44 37.5	SZ	1.2	24.9	28.1	4.83
		eP	44 40	LZ	15	202.9		
		ePCP	47 54	SZ	1.0	5.1		
		eS	49 30	LR	18	337.0		
		eL	52 00	LT	20	449.7		
		eLR	52 45	LZ	22	1715.9		
		eL	54 00	LZ	22	1715.9		
		eL	54 00	LR	18	1437.0		
		eL	54 00	LT	17	774.5		
10	RK-	eP	19 44 55.0	SZ	1.3	16.4	30.3	4.67
		eS	50 10	LT	20	472.3		
		eLQ	53 50	LT	22	1281.2		
		e	54 28	SR	1.3	25.7		
		eLR	57 30	LZ	15	2823.4		
10	LC-	eP	19 46 04.5	SZ	1.2	13.1	38.1	4.62
		eP	46 05	LZ	15	140.0		
		ePP	47 35	LZ	14	227.4		
		ePCS	52 00	LR	18	452.5		
		eLQ	56 30	LT	20	282.2		
		eLR	59 25	LZ	25	588.5		
10	HW-	eLR	19 57 30	LZ	22	536.5	41.0	
10	DH-	eLQ	20 01 03	LR	35	1105.7	45.6	
		eLR	06 40	LZ	22	1346.5		
10	JE-	eLQ	20 03 15	LT	21	6441.8	45.3	
		eLR	06 45	LZ	16	1395.0		
							AVG.	4.61
10	20 06 39.8		60.5 N 145.4 W SOUTHERN ALASKA H= 31 KM MAG 5.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	NP-	eP	20 10 52.5	SZ	0.9	49.6	18.2	4.69
		eP	10 53	LZ	15	1754.9		
		ePP	11 04	SZ	1.0	71.4		
		e	11 14	ST	1.0	78.2		
		eS	14 25	ST	1.6	105.5		
		eL	14 27	LZ	20	902.8		
10	AD-	eP	20 11 01.4	SZ	0.8	37.6	19.3	4.70
		e	11 53	SZ	1.0	76.3		
		eL	14 23	LZ	17	618.2		
10	MN-	eP	20 12 30.0	SZ	1.5	85.3	27.9	5.28
		eP	12 32	LZ	15	659.5		
		ePCP	15 39	SZ	1.5	17.5		
		eS	17 00	LR	12	2349.0		
		eSCP	19 20	SZ	2.3	74.0		
		eL	19 50	LT	21	1272.3		
		eL	20 50	LZ	19	9999.9		
10	RK-	eP	20 12 48.5	SZ	1.3	28.9	30.0	4.92
		e	13 22	SZ	1.3	38.6		
		eS	18 10	LT	20	1676.7		
		eL	21 30	SR	3.0	186.9		
		eLQ	21 30	LT	28	3827.3		
		eLR	24 50	LZ	17	9999.9		
10	LC-	eP	20 13 57.0	SZ	1.2	26.3	37.8	4.90
		e	15 30	LZ	12	915.1		
		e	19 05	LZ	15	270.1		
		eS	19 40	LR	16	1294.4		
		eSS	22 45	LT	18	640.2		
		eLQ	24 00	LT	40	1259.3		
		eLR	27 05	LZ	24	9999.9		
10	JE-	eP	20 14 56.0	SZ	1.5	121.7	45.0	5.55
		eLQ	30 00	LT	32	9816.7		
		eL	30 53	SR	2.5	311.4		
		eLR	33 50	LZ	19	2367.4		
10	HW-	eSP	20 20 30	LZ	20	415.3	41.1	
		eLR	25 25	LZ	25	1554.9		
10	DH-	eS	20 21 40	LR	18	1040.8	45.2	
		e	25 10	LR	19	1240.0		
		eLQ	28 10	LR	34	2536.1		
		eL	30 21	SR	2.5	418.3		
		eLR	31 05	LZ	37	2783.2		
							AVG.	5.00
10	LC-	eP	20 15 56.5	SZ	999.9	9999.9	1.4	
		eS	16 25	ST	999.9	9999.9		
10	LC-	eP	20 54 59.0	SZ	999.9	9999.9	1.5	
		eS	55 18	ST	999.9	9999.9		
10	MN-	eP	21 17 51.5	SZ	0.3	1.8	1.9	
		eS	18 17	ST	0.7	3.9		
10	LC-	eP	21 27 50.5	SZ	0.3	3.0	.3	
		eS	27 56	SR	0.4	11.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	22 50 19.4		31.4 S 70.7 W CHILE ARGENTINA BORDER REG.					
			H= 75 KM MAG 4.20 CGS					
10	23 57 14.*		52.7 N 171.5 W FOX ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.60 CGS					
10	AD-	e	23 58 44	SZ	0.4	48.2	3.3	
		e	58 54	LZ	23	407.8		
		eL	59 43	SR	0.5	196.0		
11	AD-	eL		LZ	23	2146.8	3.3	
11	00 13 13.4		16.2 S 168.2 E NEW HEBRIDES ISLANDS					
			H= 17 KM MAG 5.30 CGS					
11	MN-	eP	00 26 03.0	SZ	1.1	19.5	87.7	5.27
11	00 43 39.*		N 17.8 W NORTH OF ASCENSION ISLANDS					
			H= 33 KM MAG 4.80 CGS					
11	RK-	eLR	01 21 55	LZ	30.	106.6	81.1	
11	MN-	eP	01 00 48.2	SZ	999.9	9999.9		
11	MN-	eP	01 22 07.0	SZ	0.2	7.5	.1	
		eS	22 09	SR	0.3	11.1		
11	MN-	eP	02 19 30.7	SZ	999.9	9999.9		
11	03 01 56.*		50.9 N 160.0 E KURILE ISLANDS REGION					
			H= 34 KM MAG 4.90 CGS					
11	MN-	eP	03 11 38.9	SZ	0.6	1.7	56.7	4.26
11	06 10 09.		43.8 N 129.3 W OFF COAST OF OREGON					
			H= 33 KM MAG 4.60 CGS					
11	DH-	eL	10 00 40	LZ	35.	1028.7		
11	10 06 44.9		19.1 N 156.6 W HAWAII REGION					
			H= 33 KM MAG 5.30 CGS					
11	HW-	iP	10 07 05.2D	SZ	999.9	9999.9	1.2	
		eP	07 06	LZ	999	9999.9		
11	MN-	eP	10 14 06.8	SZ	0.9	19.8	38.5	4.88

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	14 16	LZ	17.	190.8		
		epP	14 19	SZ	1.0	37.0		
		ePCP	16 14	SZ	2.1	48.8		
		ePCS	20 16	LT	23	564.7		
		eLQ	22 54	LR	24	1063.3		
		eLR	24 38	LZ	23	2487.4		
11	LC-	eP	10 15 12.6	SZ	0.9	7.1	46.6	4.68
		eP	15 13	LZ	18	189.7		
		epP	15 25	SZ	1.1	21.7		
		eS	22 14	LT	24	526.6		
		eSS	25 10	LT	20	599.8		
		eL	27 52	LZ	22	9999.9		
11	RK-	eP	10 16 37.0	SZ	1.0	30.7	58.4	5.29
		eP	16 40	LZ	16	172.8		
		epP	16 50	SZ	1.0	28.2		
		eSP	25 00	LZ	18	295.3		
		eLQ	31 20	LT	35	479.1		
		eLR	34 40	LZ	30	986.1		
11	JE-	eP	10 16 44	LZ	15	174.6	58.9	
		eSP	25 00	LZ	20	243.8		
		e	28 55	LZ	20	243.8		
		e	32 00	LZ	19	220.9		
		eLR	34 15	LZ	30	932.4		
11	NP-	iP	10 16 52.1C	SZ	0.7	138.5	60.3	6.14
		e	17 01	SZ	0.7	57.7		
11	DH-	eP	10 18 03.0	SZ	1.2	86.2	71.4	5.66
11	AD-	e	10 19 40	LZ	27	159.6	36.3	
		eL	23 25	LZ	25	1582.2		
							AVG.	5.33
11	10 21 01.1		6.3 S 145.7 E NEW GUINEA					
			H=138 KM MAG 5.00 CGS					
11	NP-	eL	10 24 30	LZ	32.	579.8		
11	11 10 33.6		13.6 S 166.6 E NEW HEBRIDES ISLANDS					
			H= 68 KM MAG 5.00 CGS					
11	MN-	eP	11 23 13.2	SZ	1.0	2.5	87.1	4.27
		epP	23 33	SZ	0.9	3.8		
		eLR	55 17	LZ	27	837.9		
11	HW-	eL	11 33 15	LZ	27	945.3	49.9	
11	AD-	eL	11 41 25	LZ	26	642.6	66.8	
11	LC-	eL	11 53 43	LZ	31	319.1	94.5	
11	NP-	eLR	11 58 30	LZ	30	449.4	99.4	
11	RK-	eLR	12 01 50	LZ	28	269.2	106.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	14 19 11.5		17.9 S 71.5 W NEAR COAST OF PERU H= 35 KM MAG 5.20 CGS					
11	DH-	eP	14 29 16.5	SZ	1.2	123.2	59.9	5.84
		eLR	50 50	LZ	25	883.4		
11	LC-	eP	14 29 18.5	SZ	1.6	14.3	60.3	4.80
		eS	37 37	LT	24	100.3		
		eLQ	44 32	LT	27	128.7		
		eLR	51 10	LZ	27	174.8		
11	RK-	eP	14 30 27.5	SZ	1.3	39.4	71.2	5.28
		eLR	55 40	LZ	30	133.2		
11	MN-	eP	14 30 29.3	SZ	1.5	12.2	71.1	4.71
		eLR	55 22	LZ	28	169.8		
11	JE-	eLR	14 47 35	LZ	30	286.8	53.2	
							AVG.	5.15
11	MN-	iP	16 57 57.3D	SZ	0.4	5.7	.9	
		eS	58 10	SR	0.3	11.7		
11	MN-	eP	17 18 28.0	SZ	0.5	3.8	2.0	
		eS	18 54	SR	0.5	6.8		
11	MN-	iP	19 45 47.2C	SZ	999.9	9999.9	.5	
		eS	45 55	SR	0.4	9999.9		
11	20 52 14.		15.1 S 167.6 E NEW HEBRIDES ISLANDS H=241 KM					
11	21 15 03.9		6 S 121.7 E NORTHERN CELEBES H= 33 KM MAG 6.30 CGS					
11	AD-	eP	21 26 34.0	SZ	2.0	632.9	73.4	6.27
		eP	26 35	LZ	16	1556.7		
		ePPP	31 20	LZ	18	1187.9		
		e	35 55	LZ	17	9999.9		
		e	45 15	LZ	999	9999.9		
		eLR	49 00	LZ	999	9999.9		
11	HW-	eP	21 27 31.0	SZ	1.0	114.5	83.2	5.96
		eP	27 35	LZ	16	576.0		
		eS	37 50	LR	17	2811.5		
		e	39 50	LR	28	5225.7		
		e	45 00	LR	24	2075.9		
		eLQ	49 55	LT	40	16.7U		
		eLR	54 05	LZ	34	7244.0		
11	NP-	eP	21 28 33.5	SZ	1.1	25.7	97.2	5.75
		eP	28 37	LZ	18	415.0		
		ePP	32 32	SZ	3.0	514.4		
		ePP	32 35	LZ	22	1048.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePPP	34 45	LZ	20.	891.4		
		e	39 45	LZ	18	1106.7		
		eSP	41 30	LZ	19	2900.8		
		e	46 40	LZ	37	4918.0		
		eLR	22 02 50	LZ	40	24.4U		
11	MN-	ePD	21 29 53	SZ	1.0	1.6	113.6	
		ePD	29 54	LZ	15	105.0		
		eP'	33 38	SZ	1.1	5.5		
		ePP	34 28	LZ	17	426.4		
		ePP	34 37	SZ	2.6	127.0		
		eSKS	40 25	LR	23	564.1		
		eS	42 17	LR	18	597.4		
		ePS	44 12	LR	30	9999.9		
		ePKKP	44 25	SZ	1.7	20.8		
		e	46 02	LR	21	1520.5		
		e	49 10	LR	23	9999.9		
		eSS	50 27	LT	25	9999.9		
		e	58 40	LR	24	9999.9		
		e	22 01 22	LT	33	9999.9		
		e	05 34	LZ	30	9999.9		
		eLR	09 07	LZ	999	9999.9		
11	RK-	eP'	21 33 55.0	SZ	1.0	25.6	121.7	
		ePP	35 34	LZ	25	763.4		
		ePPP	38 05	LZ	22	746.3		
		e	40 00	LZ	22	812.2		
		eSKKS	42 28	LT	18	1014.8		
		e	45 10	LT	22	1879.6		
		ePPS	46 40	LT	23	2784.7		
		e	50 00	LZ	20	1744.7		
		eSS	52 20	LT	40	4942.4		
		e	22 00 10	LZ	33	3738.1		
		eLR	13 20	LZ	35	9999.9		
11	LC-	eP'	21 34 03.4	SZ	0.9	20.7	124.6	
		ePP	35 45	SZ	2.0	53.1		
		ePP	35 47	LZ	19	434.0		
		eSKP	37 16	LZ	24	613.3		
		e	44 45	SZ	1.2	7.9		
		ePS	45 58	LR	28	9999.9		
		ePPS	47 06	LR	22	9999.9		
		eSKKP	47 34	SZ	1.7	29.3		
		ePSS	53 11	LR	33	9999.9		
		SKSSKS	55 35	LR	999	9999.9		
		e	58 18	LR	999	9999.9		
		e	22 01 54	LR	999	9999.9		
		e	05 25	LR	999	9999.9		
		SKSSKS	06 55	LR	999	9999.9		
		e	08 25	LR	999	9999.9		
		eLQ	09 50	LR	999	9999.9		
		eLR	12 34	LZ	999	9999.9		
11	JE-	eP'	21 34 24.0	SZ	1.0	51.6	135.5	
		eP'	34 25	LZ	15	261.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	36 55	LZ	20.	579.2		
		ePP	36 59	SZ	1.0	30.9		
		eSKP	37 50	LZ	18	2185.7		
		ePKS	38 02	ST	2.0	246.5		
		e	38 50	LZ	19	2272.7		
		eSPP	49 05	LZ	20	2316.9		
		e	22 04 50	LZ	23	1860.7		
		e	09 45	LZ	21	2209.2		
		eLQ	11 55	LT	37	11.3U		
		eLR	19 15	LZ	35	9999.9U		
11	DH-	eP	21 34 29.0	SZ	1.0	24.0	135.9	
		eP	34 30	LZ	16	364.2		
		ePP	37 02	SZ	2.0	150.2		
		ePP	37 05	LZ	17	703.2		
		eSKP	38 00	LZ	21	2088.9		
		e.	38 55	LZ	20	1305.3		
		e	47 10	LZ	18	968.3		
		e	50 30	LZ	15	1413.5		
		e	52 50	LZ	19	1384.4		
		SKSSKS	56 55	LT	25	2451.6		
		e	22 01 20	LT	35	3869.9		
		eLQ	19 10	LR	25	9999.9		
		eLR	22 15	LR	33	9999.9		
							AVG.	5.99

11 22 01 46.* 57.4 N 150.2 W GULF OF ALASKA
H= 33 KM MAG 4.60 CGS

11	NP-	eP	22 06 42.0	SZ	0.5	4.1	21.9	4.08
11	JE-	eL	23 01 25	LZ	28.	9999.9		
11	RK-	eL	23 07 40	LZ	23	9999.9		
11	MN-	eL	23 12 31	LZ	24	1226.6		
11	NP-	eL	23 18 40	LZ	45	4000.3		

11 23 33 23.9 6. N 126.7 E MINDANAO, PHILIPPINE ISLANDS
H=121 KM MAG 5.40 CGS

12	LC-	ePKKP	00 02 29	SZ	1.0	4.1	116.6	
11	HW-	eL	23 37 00	LZ	22.	658.5		

12 01 02 02.* 12.3 S 166.7 E SANTA CRUZ ISLANDS
H= 35 KM

12 01 48 30.8 21.6 S 177.1 W FIJI ISLANDS REGION
H=188 KM MAG 4.40 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

12 06 06 08. 56.6 N 152.6 W KODIAK ISLAND REGION
H= 33 KM MAG 4.60 CGS

12	NP-	eP	06 11 13.5	SZ	1.0	12.4	23.1	4.33
12	MN-	eP	06 12 06.0	SZ	0.7	1.2	29.1	3.79
12	AD-	eLQ	06 14 50	LT	23	1244.2	14.8	
		eLR	17 40	LZ	19	545.8		
12	LC-	eLR	06 26 10	LZ	20	268.0	39.7	
							AVG.	4.06
12	MN-	eP	06 08 08.5	SZ	0.8	5.4		
12	MN-	e	06 08 51	SZ	0.9	2.5		
12	LC-	eLR	06 13 00	LZ	17	71.9		
12	LC-	eL	06 15 25	LR	22	61.3		
12	LC-	eL	06 15 25	LT	18	51.5		
12	LC-	eL	06 15 25	LZ	21	80.7		
12	AD-	eP	06 52 34.5	SZ	0.2	12.1	.3	
		eS	52 41	SR	999.9	9999.9		
12	MN-	eP	07 38 52.0	SZ	0.2	8.7	1.5	
		eS	39 13	ST	0.3	11.2		
12	MN-	eP	08 12 01.0	SZ	0.7	1.6		
12	MN-	eP	08 15 36.9	SZ	0.2	3.9	.1	
		eS	15 39	SR	0.2	13.3		
12	MN-	eP	08 22 57.0	SZ	1.3	3.2		
12	MN-	eP	08 48 46.3	SZ	1.0	6.6		
12	NP-	eP	08 48 52.5	SZ	1.2	11.3		
12	MN-	e	08 50 26	SZ	0.8	3.4		
12	MN-	e	08 55 16	SZ	1.0	7.5		

12 09 14 52.2 55.9 S 144.1 W SOUTH PACIFIC CORDILLERA
H= 33 KM MAG 5.30 CGS

12	LC-	e	09 38 30	LR	20.	57.5	93.6	
		eSS	45 40	LR	23	139.3		
		eLQ	54 43	LR	42	711.5		
		eL	55 12	LR	32	411.8		
		eL	55 12	LT	15	95.1		
		eL	55 12	LZ	16	122.2		
		eLR	59 10	LZ	26	362.0		
12	HW-	eL	09 42 00	LZ	21	240.2	76.2	
12	AD-	e	09 57 45	LZ	25	217.6	110.7	
		eLR	10 05 35	LZ	25	500.6		
12	MN-	eL	09 59 23	SZ	1.0	2.5	96.5	
		eL	59 32	LZ	27	606.1		
12	RK-	eL	10 09 55	LZ	25	247.0	114.3	
12	MN-	eP	11 33 51.5	SZ	0.2	.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	11	43 35.3	4.5 S 144.5 E NEAR NORTH COAST NEW GUINEA H= 77 KM MAG 5.20 CGS					
12	AD-	eL	12 13 45	LZ	28.	308.5	65.1	
12	MN-	eL	12 29 10	LZ	25	179.9	98.5	
12	LC-	eL	12 33 52	LZ	27	78.8	108.3	
12	HW-	eP	11 48 24.0	SZ	0.2	94.4	.6	
		eS	48 33	SR	0.2	209.5		
12	MN-	eP	13 01 04.7	SZ	0.2	20.6	1.5	
		eS	01 24	SR	0.2	9999.9		
12	13	55 21.5	14.8 S 167.4 E NEW HEBRIDES ISLANDS H=131 KM					
12	14	16 29.*	35.4 N 28.8 E EASTERN MEDITERRANEAN SEA H= 32 KM MAG 4.30 CGS					
12	15	42 54.7	3. N 126.7 E TALAUD ISLANDS H= 59 KM MAG 5.90 CGS					
12	AD-	eP	15 53 49.0	SZ	1.4	152.2	67.6	5.82
		eP	53 50	LZ	15	975.2		
		eS	16 02 44	LT	17	5101.4		
		e	04 05	LZ	24	921.3		
		e	06 55	LZ	34	1308.7		
		e	10 15	LZ	27	2222.3		
		eLR	14 10	LZ	999	9999.9		
12	HW-	eP	15 54 52	LZ	20	572.5	77.3	
		e	16 04 37	LZ	16	1611.4		
		eLR	18 45	LZ	32	3086.0		
		eL	19 38	LR	28	3516.6		
		eL	19 38	LT	30	1868.5		
		eL	19 38	LZ	29	2667.1		
12	NP-	eP	15 56 01.6	SZ	0.7	5.4	92.7	5.02
		eP	56 03	LZ	17	405.3		
		e	59 11	SZ	1.5	18.4		
		ePP	59 50	LZ	15	499.3		
		eSKKS	16 07 03	LR	24	1846.1		
		eL	26 20	LZ	32	2332.6		
12	MN-	ePD	15 57 12	SZ	0.8	.4	107.5	
		eP'	16 01 02	SZ	2.0	15.6		
		ePP	02 08	LZ	21	337.8		
		eSKS	07 52	LR	23	485.7		
		eS	09 10	LT	22	524.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePS	10 58	LR	22.	1262.8		
		ePKKP	12 31	SZ	1.0	8		
		eSS	16 30	LR	31	1011.1		
		eSSS	20 45	LR	30	1788.9		
		eLQ	27 25	LT	43	7234.0		
		eLR	32 10	LZ	999	9999.9		
12	LC-	e	15 58 37	LZ	20	68.7	118.5	
		eP'	16 01 39	SZ	0.5	5.8		
		ePP	02 50	SZ	1.3	9.3		
		ePP	03 23	LZ	22	279.6		
		eSKKS	10 00	LR	24	291.9		
		ePKKP	11 57	SZ	0.7	2.9		
		eSP	12 32	LZ	19	1323.4		
		e	19 35	LR	34	2007.3		
		eSSS	23 30	LR	35	9999.9		
		e	27 20	LR	29	906.0		
		eLQ	32 10	LR	30	853.0		
		eLR	37 45	LR	30	1358.0		
		eL	38 34	LR	33	1851.5		
		eL	38 34	LT	20	47.4		
		eL	38 34	LZ	30	1341.8		
12	RK-	eP'	16 01 32.5	SZ	0.4	6.9	116.2	
		eP'	01 33	LZ	14	116.4		
		e	01 58	SZ	0.5	6.6		
		ePP	03 05	LZ	24	331.5		
		e	10 25	LR	23	297.8		
		ePKKP	12 02	SZ	0.7	2.5		
		eSP	12 22	LZ	26	1147.9		
		eSS	18 45	LR	23	1543.2		
		e	19 55	LT	30	1540.9		
		eLQ	32 08	LR	42	6030.4		
		eLR	38 05	LZ	34	4017.1		
		eL	42 52	LT	28	2774.0		
		eL	42 52	LR	32	1817.9		
		eL	42 52	LZ	28	3721.1		
12	JE-	e	16 03 20	LZ	15	130.2	129.5	
		ePP	04 30	LZ	17	422.7		
		eSPP	16 02	LZ	27	568.9		
		eSS	21 33	LT	19	2367.4		
		e	26 30	LZ	25	870.8		
		eLR	44 00	LZ	34	5724.6		
		eL	45 30	LR	32	7362.5		
		eL	45 30	LT	30	1721.3		
		eL	45 30	LZ	33	5332.5		
12	DH-	ePP	16 04 15	LZ	20	421.8	130.9	
		eLQ	40 18	LR	42	2512.6		
		eLR	47 55	LZ	33	1740.0		
							AVG.	5.42
12	AD-	eP	16 03 17.0	SZ	0.3	9.1	.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	03 28	SR	0.2	78.9		
12	MN-	eL	17 43 10	LZ	30	363.1		
12	AD-	eP	19 04 47.0	SZ	0.3	77.6	.7	
		eS	04 57	ST	0.5	215.3		
12	20 13 54.		5.6 S 147.1 E EAST NEW GUINEA REGION					
			H=195 KM MAG 5.50 CGS					
12	LC-	eP	20 20 26.0	SZ	0.2	1.8	2.3	
		eS	20 56	SR	0.3	3.8		
12	21 55 33.2		31.3 S 110.8 W EASTER ISLAND REGION					
			H= 25 KM MAG 6.25 CGS					
12	LC-	eP	22 06 03.7	SZ	2.2	468.8	63.5	6.22
		eP	06 06	LZ	18	440.4		
		eS	14 42	LR	999	9999.9		
		eSS	18 46	LT	999	9999.9		
		eLQ	23 12	LR	999	9999.9		
		eLR	26 43	LZ	999	9999.9		
12	JE-	eP	22 06 15	LZ	14	1038.6	65.2	
		eP	06 16	SZ	1.8	454.9		6.33
		eS	15 10	LT	17	5528.9		
		eL	27 42	LZ	35	4336.2		
12	MN-	eP	22 06 41.5	SZ	1.2	92.3	69.7	5.73
		eS	16 05	LR	22	2590.4		
		eSS	20 38	LR	27	2335.6		
		eLQ	25 20	LR	999	9999.9		
		eLR	29 05	LZ	999	9999.9		
		ePiPi	34 54	SZ	2.0	31.2		
12	DH-	eP	22 07 34	LZ	20	519.2	80.3	
		eS	17 57	LT	23	1965.6		
		eSS	23 15	LT	27	1851.7		
		eLQ	32 00	LR	28	3125.8		
		eLR	36 10	LZ	27	5212.7		
12	RK-	eP	22 07 57.4	SZ	1.0	15.1	83.2	5.11
		eP	07 58	LZ	20	385.1		
		e	08 00	SZ	1.3	111.6		
		e	18 23	LT	20	2017.3		
		e	24 45	LT	28	3340.1		
		eL	36 30	LZ	42	9999.9		
12	NP-	ePi	22 13 58.0	SZ	4.0	337.9	107.4	
		eS	21 54	LT	22	393.8		
		ePS	23 34	LR	18	1136.1		
		e	30 00	LR	28	2636.6		
		eL	40 30	LT	56	13.6U		
		eL	49 00	LZ	31	4243.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	HW-	e	22 15 32	LZ	23.	1228.2	66.8	
		e	22 57	LR	24	6253.7		
		eLR	26 27	LZ	28	7334.7		
12	AD-	eSP	22 22 20	LZ	20	241.6	100.9	
		eSS	28 26	LR	25	1595.2		
		e	31 55	LZ	26	645.4		
		eLQ	37 50	LR	21	1510.6		
		eLR	42 20	LZ	27	3551.1		
							AVG.	5.84
12	MN-	eL	23 00 00	LZ	15.	1274.4		
13	00 49 43.2		8.2 N 122.4 E MINDANAO, PHILIPPINE ISLANDS					
			H= 64 KM MAG 4.50 CGS					
13	NP-	eP	01 02 30.0	SZ	0.9	19.5	88.5	5.26
13	02 20 49.3		44.4 N 151.6 E KURILE ISLANDS REGION					
			H= 33 KM MAG 5.20 CGS					
13	NP-	eP	02 29 20.0	SZ	1.4	16.2	47.2	4.87
13	MN-	eP	02 31 26.0	SZ	0.8	13.1	64.6	5.12
13	AD-	eL	02 31 35	LZ	22	232.0	22.3	
13	RK-	eP	02 31 54.5	SZ	0.9	11.8	69.6	4.95
13	LC-	eP	02 32 33.7	SZ	1.0	12.5	75.7	4.88
							AVG.	4.95
13	03 13 42.*		16.3 S 174.2 W TONGA ISLANDS					
			H=167 KM MAG 4.70 CGS					
13	MN-	eP	03 25 10.5	SZ	1.0	18.6	75.6	4.80
		epP	25 49	SZ	1.3	17.9		
13	LC-	eP	03 25 39.0	SZ	0.7	9.6	80.7	4.67
		epP	26 16	SZ	1.2	11.9		
							AVG.	4.73
13	05 31 43.*		1.9 N 126.5 E MOLUCCA PASSAGE					
			H= 16 KM MAG 5.10 CGS					
13	MN-	eP	05 48 20.4	SZ	0.3	3.6	1.6	
		eS	48 42	SR	0.5	5.9		
13	06 57 48.7		34. N 45.1 E IRAN IRAQ BORDER REGION					
			H= 96 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	10 38 59.3		3.3 S 149.9 E BISMARCK SEA H= 59 KM MAG 5.10 CGS					
13	NP-	eP	10 52 08.8	SZ	1.3	28.2	93.4	5.49
		eS	11 03 24	LR	17	548.2		
		eL	23 30	LZ	24	346.9		
13	MN-	eP	10 52 11.0	SZ	1.8	50.0	93.6	5.60
		eS	11 03 14	LT	21	303.6		
		ePS	04 34	LR	22	403.4		
		eSS	09 50	LT	27	610.9		
		e	13 30	LT	22	317.0		
		eLQ	17 35	LT	38	1219.1		
		eLR	21 41	LZ	30	1031.8		
13	HW-	eS	10 56 58	LR	20	1651.7	58.2	
		eLQ	11 03 52	LR	30	883.1		
		eLR	05 48	LZ	27	4009.5		
13	AD-	eS	10 57 42	LR	21	525.4	61.9	
		eLQ	11 03 57	LR	26	2038.7		
		eLR	07 43	LZ	27	1476.3		
13	LC-	ePS	11 06 25	LT	24	232.6	103.2	
		eSS	12 02	LR	31	673.9		
		e	15 35	LR	26	379.7		
		eLQ	21 50	LT	37	930.3		
		eLR	26 00	LZ	28	694.7		
13	JE-	ePKKP	11 08 24	LZ	20	383.2	115.5	
		eL	32 27	LZ	40	1211.3		
		eLR	37 00	LZ	24	467.3		
13	RK-	eSS	11 13 18	LT	24	412.7	109.0	
		eLQ	23 58	LR	50	2721.5		
		eLR	32 00	LZ	26	967.7		
13	DH-	eL	11 40 40	LZ	27	601.5	124.4	
							AVG.	5.54
13	AD-	eP	12 49 12.7	SZ	0.2	210.4	1.5	
		eS	49 34	SR	0.4	205.3		
13	MN-	eP	13 29 38.5C	SZ	0.3	9999.9	1.1	
		eS	29 54	SR	999.9	9999.9		
13	14 00 12.3		58.5 N 151.4 W KODIAK ISLAND REGION H= 33 KM MAG 4.90 CGS					
13	NP-	eP	14 04 46.0	SZ	0.7	5.7	21.1	4.02
		e	05 00	SZ	0.7	100.9		
13	RK-	eP	14 06 46.4	SZ	0.8	9.1	33.3	4.73
13	LC-	eP	14 07 42.8	SZ	0.8	1.6	39.7	3.78
13	AD-	eL	14 08 12	LZ	26	441.2	15.8	
13	HW-	eL	14 17 41	LZ	28	309.2	38.6	
							AVG.	4.17

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	NP-	eP	16 38 07.5	SZ	0.5	2.0		
13	DH-	eP	17 18 23.0	SZ	0.5	17.9	2.1	
		eS	18 50	ST	0.4	31.0		
13	17 20 15.*		32.6 S 179.8 W SOUTH OF KERMADEC ISLANDS H=118 KM MAG 4.40 CGS					
13	18 12 14.5		22.1 S 170.5 E LOYALTY ISLANDS REGION H= 41 KM MAG 4.70 CGS					
13	AD-	eP	19 00 48.9	SZ	999.9	9999.9	.6	
		eS	00 58	ST	999.9	9999.9		
13	AD-	eP	19 12 01.2	SZ	0.1	156.3	.8	
		eS	12 12	SR	0.2	265.8		
13	AD-	eP	19 58 53.6	SZ	0.2	60.1	.7	
		eS	59 04	SR	0.3	186.1		
13	MN-	eP	22 23 49.8	SZ	0.6	5.8	2.4	
		eS	24 21	SR	0.7	4.5		
13	MN-	eP	22 33 18.9	SZ	0.2	14.4	3.0	
		eS	33 56	SR	0.5	21.1		
13	23 02 26.*		35.8 N 71.1 E WEST PAKISTAN H=120 KM MAG 5.80 CGS					
13	NP-	eP	23 13 13.9	SZ	0.5	20.8	68.0	5.20
		ePCP	13 36	SZ	0.8	26.3		
13	23 54 15.*		13.2 S 76.5 W NEAR COAST OF PERU H= 75 KM MAG 4.60 CGS					
14	MN-	eP	02 36 19.0	SZ	0.4	2.0	2.2	
		eS	36 47	SR	0.4	11.3		
14	03 04 59.6		33.4 N 141.8 E OFF E. COAST HONSHU, JAPAN H= 33 KM MAG 5.60 CGS					
14	AD-	eP	03 11 50	LZ	20	267.0	35.1	
		eL	19 55	LZ	16	1923.8		
14	HW-	eP	03 14 45	LZ	20	261.9	56.7	
		eS	22 50	LR	20	1219.4		
		eLQ	30 50	LT	33	2344.2		
		eLR	32 30	LZ	20	3667.8		
14	MN-	eP	03 17 05	LZ	18	315.6	77.0	
		ePP	19 45	LZ	17	190.0		
		eS	26 40	LT	16	471.1		
		e	35 08	LR	24	389.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	37 15	LT	22.	1504.7		
14	RK-	eP	03 17 21.5	SZ	1.1	12.3	82.9	4.94
		eP	17 22	LZ	17	345.4		
		e	21 07	LZ	14	363.7		
		eS	27 36	LR	15	694.4		
		eSS	33 00	LR	17	598.8		
		eLR	44 52	LZ	40	429.3		
14	LC-	eP	03 17 52.1	SZ	1.5	14.3	88.2	4.98
		eP	17 55	LZ	18	256.3		
		ePP	21 30	LZ	20	125.3		
		eS	28 20	LR	22	604.0		
		ePS	29 25	LR	19	1144.3		
		eSS	34 40	LR	24	552.8		
		eSSS	37 55	LR	22	494.1		
		eL	41 40	LT	22	383.2		
14	DH-	eLR	03 54 10	LZ	17	249.6	97.5	
14	JE-	eLR	03 55 25	LZ	20	498.0	97.7	
							AVG.	4.96

14 03 23 36.* 14.9 N 61.3 W WINDWARD ISLANDS
H=163 KM MAG 4.10 CGS

14	LC-	eP	03 31 33.7	SZ	1.0	9.7	44.6	4.30
		epP	32 06	SZ	1.0	4.8		
14	MN-	eP	03 32 52.6	SZ	1.0	3.3	55.0	4.07
							AVG.	4.18

14 03 45 58. 21.4 S 178.5 W FIJI ISLANDS REGION
H=481 KM MAG 4.50 CGS

14 05 48 49.* 50.7 N 157.3 E KURILE ISLANDS
H= 50 KM MAG 4.20 CGS

14	AD-	eP	06 27 00.0	SZ	0.3	17.8	2.3
		eS	27 25	ST	0.3	38.8	
14	NP-	eP	08 20 55.2	SZ	0.6	.	
14	AD-	eP	08 43 46.3	SZ	0.3	62.5	2.1
		eS	44 13	SR	0.3	199.5	
14	RK-	eP	09 57 39.5	SZ	0.9	5.7	
14	LC-	eL	10 02 10	LZ	25	65.7	
14	RK-	eL	10 50 30	LZ	32	165.6	
14	MN-	eL	11 06 00	LZ	25	107.9	

14 11 50 28.7 5. N 75.9 W COLOMBIA
H= 63 KM MAG 4.30 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	LC-	eP	11 57 56.0	SZ	0.7	1.9	39.6	3.99
14	NP-	eP	12 02 03.8	SZ	0.5	.	75.1	
14	AD-	eL	12 01 00	LZ	30.	130.9		

14 12 06 38.1 -5.7 S 150.5 E NEW BRITAIN REGION
H= 89 KM MAG 4.00 CGS

14	MN-	eP	13 58 00.0	SZ	0.9	3.2		

14 16 03 53.6 47.9 N 114.3 W MONTANA
H= 33 KM MAG 4.60 CGS

14	DH-	eP	16 10 28.0	SZ	0.5	5.8	1.9	
		eS	10 53	SR	0.5	14.7		
		eP	17 22 07.0	SZ	0.3	16.7		
		eS	22 42	SR	0.4	35.1		
14	MN-	eP	17 47 17.3	SZ	0.3	4.1	1.2	
		eS	47 33	ST	0.3	6.6		
14	AD-	eP	17 52 15	LZ	20	155.8		
14	AD-	e	18 02 25	LZ	23	215.6		
14	NP-	eL	18 03 55	LZ	40	847.9		

14 18 04 41.3 34.8 N 138.9 E NEAR S. COAST HONSHU, JAPAN
H=176 KM MAG 4.10 CGS

14	MN-	eL	18 36 25	LZ	32	614.2	78.1	
14	LC-	eP	18 11 37.0	SZ	0.3	8.3	1.4	
		eS	11 56	ST	0.4	19.8		
14	AD-	eL	18 14 45	LZ	58	735.5		
14	RK-	eL	18 18 00	LZ	40	386.4		
14	LC-	eL	18 28 00	LZ	58	557.1		
14	DH-	eP	18 28 03.0	SZ	0.4	16.1	1.5	
		eS	28 23	SR	0.4	54.0		
14	JE-	eL	18 31 35	LZ	25	493.5		
14	HW-	eP	18 44 06.5	SZ	0.3	9999.9	.5	
		eS	44 15	ST	0.3	9999.9		
14	DH-	eP	19 44 53.0	SZ	0.6	6.5	1.2	
		eS	45 08	SR	0.5	23.6		

14 20 39 42.3 13.9 N 54.6 E SOCOTRA REGION
H= 9 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	LC-	eP	20 56 46.5	SZ	0.3	5.5	1.5	
		eS	57 05	ST	0.3	7.3		
14	21 05 07.		15.5 N 93.0 W NEAR COAST CHIAPAS, MEXICO					
			H= 44 KM MAG 4.00 CGS					
14	LC-	eP	21 09 47.5	SZ	0.6	6.1	20.9	4.10
14	MN-	eP	21 47 04.5	SZ	1.0	3.3		
14	22 10 09.2		9.2 N 73.1 W NORTHERN COLOMBIA					
			H=249 KM MAG 3.70 CGS					
15	00 37 30.*		43.9 N 113.5 W EASTERN IDAHO					
			H= 33 KM					
15	02 07 06.4		6.6 S 154.8 E SOLOMON ISLANDS					
			H= 62 KM MAG 5.10 CGS					
15	MN-	eP	02 20 09.0	SZ	0.8	4.9	91.8	4.88
		eL	50 15	LZ	22	87.9		
15	AD-	eL	02 36 38	LZ	27	229.1	63.2	
15	LC-	eLR	02 53 30	LZ	25	78.5	100.8	
15	RK-	eL	03 00 00	LZ	25	147.2	108.6	
15	JE-	eL	03 02 08	LZ	20	157.1	113.1	
15	AD-	eP	04 18 15.4	SZ	0.4	21.7	2.4	
		eS	18 46	SR	0.5	41.5		
15	05 56 31.1		33. S 70.4 W CHILE ARGENTINA BORDER REG.					
			H=118 KM MAG 4.40 CGS					
15	LC-	eP	06 07 52.0	SZ	0.6	3.6	73.5	4.37
		e	08 19	SZ	0.7	9		
15	MN-	eP	06 08 49.5	SZ	0.8	1.4	83.8	3.93
							AVG.	4.15
15	05 57 18.*		52.7 N 172.4 W ANDREANOF ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.00 CGS					
15	AD-	e	05 58 52	SZ	0.4	39.1	2.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	59 47	SR	0.4	96.1		
15	06 33 18.*		52. N 171.2 W FOX ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.00 CGS					
15	AD-	eP	06 34 15.1	SZ	0.6	32.7	3.4	4.54
		eL	34 48	LZ	23	85.1		
		eS	34 55	SR	0.5	212.2		
15	11 05 14.		33.1 S 179.6 E SOUTH OF KERMADEC ISLANDS					
			H=480 KM MAG 4.20 CGS					
15	14 32 38.*		47.7 N 122.1 W WASHINGTON					
			H= 33 KM MAG 4.10 CGS					
15	MN-	eP	15 54 15.0	SZ	0.3	2.9	1.9	
		eS	54 41	SR	0.3	12.3		
15	17 45 08.*		54.9 N 161.1 E NEAR E. COAST OF KAMCHATKA					
			H= 33 KM MAG 4.70 CGS					
15	MN-	eP	17 54 35.7	SZ	1.0	10.0	54.7	4.80
		ePP	56 50	SZ	0.9	2.5		
15	NP-	eP	18 35 19.0	SZ	0.6	2.0		
15	20 26 53.5		44.7 N 149.8 E KURILE ISLANDS					
			H= 49 KM MAG 5.20 CGS					
15	AD-	eP	20 31 58	LZ	15	2233.7	23.3	
		eP	31 58	SZ	1.1	77.9		5.07
		ePP	32 37	SZ	1.3	194.2		
		ePP	32 50	LZ	15	2988.8		
		eS	36 12	LT	22	9999.9		
		eL	38 30	LZ	999	9999.9		
15	NP-	eP	20 35 23.9	SZ	1.0	67.3	47.3	5.58
		eP	35 25	LZ	20	863.7		
		eS	42 20	LR	23	3525.3		
		e	44 17	SZ	1.5	70.9		
		eSCS	45 06	LR	29	5054.3		
		eLR	51 50	LZ	26	6589.8		
15	HW-	eP	20 35 57	LZ	18	998.8	51.1	
		e	43 17	LZ	19	4256.2		
		eLQ	47 55	LR	24	9058.6		
		eLR	50 12	LZ	23	4506.4		
15	MN-	eP	20 37 33.5	SZ	0.8	4.9	65.6	4.64
		eP	37 34	LZ	13	1019.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	37 51	SZ	1.0	45.0		
		e	37 56	SZ	1.1	59.6		
		e	37 58	ST	1.4	74.4		
		eSS	50 35	LT	24	1501.3		
		eLQ	54 40	LT	999	9999.9		
		eLR	58 20	LZ	23	9999.9		
15	RK-	eP	20 38 00.0	SZ	1.0	35.5	70.1	5.30
		eP	38 00	LZ	12	654.1		
		e	38 14	SZ	1.1	94.0		
		eS	47 13	LR	25	6000.5		
		eSSS	55 10	LR	25	3692.6		
		eLQ	21 00 00	LR	30	4711.8		
		eLR	03 36	LZ	26	4301.1		
15	LC-	eP	20 38 40.0	SZ	0.7	3.9	76.6	4.50
		eP	38 40	LZ	13	836.8		
		e	38 54	SZ	1.0	28.4		
		eS	48 23	LT	999	9999.9		
		e	53 16	LT	22	1329.6		
15	JE-	eP	20 39 22	LZ	13	523.0	85.4	
		eSKS	49 55	LR	22	3544.2		
		eLQ	21 06 43	LT	24	2351.1		
15	DH-	eSKS	20 49 44	LR	25	2459.2	84.7	
		eSS	55 27	LR	27	1119.2		
		eL	21 07 00	LR	22	2079.2		
		eL	16 18	LR	25	7045.5		
		eL	16 18	LT	24	1291.2		
		eL	16 18	LZ	25	1652.5		
							AVG.	5.01
15	20 35 33.*		44.8 N 149.6 E KURILE ISLANDS					
			H= 33 KM MAG 4.60 CGS					
15	NP-	e	20 44 04	SZ	1.0	10.6	47.3	
15	MN-	eP	20 46 19.0	SZ	1.2	14.1	65.6	4.97
		e	46 20	LT	20	2552.6		
15	RK-	eP	20 46 41.0	SZ	1.0	7.6	70.1	4.68
15	LC-	eP	20 47 21.0	SZ	1.4	7.0	76.7	4.50
15	JE-	eLR	21 17 10	LZ	999	9999.9	85.4	
							AVG.	4.71
15	LC-	eP	20 47 55.0	SZ	0.2	9.3	.6	
		eS	48 04	SR	0.2	14.6		
15	LC-	eP	20 50 24.6	SZ	0.2	8.8	1.3	
		eS	50 42	SR	0.3	5.1		
15	21 04 11.4		9.1 N 84.0 W COSTA RICA					
			H= 36 KM MAG 4.30 CGS					
15	MN-	eP	21 12 05.0	SZ	1.0	9.1	42.3	4.49

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	13 57	SZ	1.3	4.8		
15	NP-	eP	21 15 17.5	SZ	1.0	7.0	69.8	4.66
							AVG.	4.57
15	21 09 02.6		9.6 N 84.0 W COSTA RICA					
			H= 51 KM MAG 4.20 CGS					
15	MN-	e	21 16 51	SZ	1.4	5.9	42.0	
15	21 30 40.*		47.1 N 147.5 E NORTHWEST OF KURILE ISLANDS					
			H= 33 KM MAG 4.30 CGS					
15	22 35 35.*		44.5 N 149.9 E KURILE ISLANDS					
			H= 33 KM MAG 4.20 CGS					
15	22 40 32.4		44.6 N 149.9 E KURILE ISLANDS					
			H= 44 KM MAG 4.60 CGS					
15	NP-	eP	22 49 04.3	SZ	1.0	10.6	47.4	4.79
		e	49 16	SZ	1.3	45.7		
15	MN-	eP	22 51 12.8	SZ	0.7	1.2	65.5	4.12
		e	51 30	SZ	1.3	16.0		
15	RK-	eP	22 51 41.0	SZ	0.7	3.7	70.2	4.50
		e	51 53	SZ	1.0	20.3		
15	AD-	eL	22 51 58	LZ	23	680.9	23.3	
15	HW-	eL	23 04 00	LZ	20	270.4	51.0	
							AVG.	4.47
15	22 52 36.*		9.6 N 83.7 W COSTA RICA					
			H= 37 KM MAG 4.20 CGS					
15	MN-	eP	23 00 27.0	SZ	1.0	3.3	42.2	4.05
15	22 59 43.6		56.8 N 151.9 W KODIAK ISLAND REGION					
			H= 33 KM MAG 5.20 CGS					
15	NP-	eP	23 04 46.0	SZ	1.5	78.8	22.8	4.94
		eP	04 46	LZ	21	597.1		
		eL	09 08	ST	2.0	64.4		
		eL	09 11	LZ	18	2870.2		
15	MN-	eP	23 05 40.7	SZ	0.9	7.6	28.8	4.47
		ePCP	08 48	SZ	0.8	1.9		
		e	11 58	SZ	0.8	.9		
		eL	14 38	LZ	19	1880.2		
15	RK-	eP	23 06 26.7	SZ	1.0	17.7	34.0	4.92

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	19 10	LZ	19.	2197.6		
15	AD-	e	23 06 36	LT	30	7589.4	15.2	
		eLR	08 18	LZ	26	9999.9		
15	LC-	eP	23 07 12.8	SZ	1.2	15.1	39.4	4.59
		ePCP	09 18	SZ	0.7	1.9		
		eL	21 40	LZ	20	9999.9		
15	DH-	eL	23 27 05	LR	23	1169.5	49.4	
							AVG.	4.73
15	23 09 25.1		56.9 N 151.7 W KODIAK ISLAND REGION					
			H= 33 KM MAG 5.30 CGS					
15	NP-	eP	23 14 27.0	SZ	1.2	38.8	22.7	4.72
		eL	18 50	ST	2.0	42.9		
15	MN-	eP	23 15 21.0	SZ	1.0	6.6	28.8	4.36
15	LC-	eP	23 16 52.0	SZ	1.0	4.9	39.3	4.18
15	JE-	eL	23 28 26	LR	20	3292.4	47.6	
							AVG.	4.42
16	01 36 43.9		44.3 N 149.6 E KURILE ISLANDS					
			H= 44 KM MAG 4.10 CGS					
16	NP-	eP	01 45 18.0	SZ	1.5	27.6	47.7	5.03
16	AD-	eLR	01 48 45	LZ	20	308.8	23.6	
16	04 06 31.*		57.1 N 151.0 W GULF OF ALASKA					
			H= 33 KM MAG 4.20 CGS					
16	NP-	eP	04 11 29.2	SZ	0.9	11.1	22.4	4.29
16	AD-	eLR	04 15 00	LZ	25	174.9	15.8	
16	06 15 31.5		23.6 S 177.6 W SOUTH OF FIJI ISLANDS					
			H=178 KM MAG 5.50 CGS					
16	HW-	ePCP	06 25 17	LZ	18.	300.2	48.3	
		eSP	30 38	LZ	20	939.7		
16	AD-	eP	06 26 48	LZ	16	112.1	75.1	
		e	28 20	LZ	15	189.5		
		e	36 10	LZ	20	264.7		
		e	44 25	LZ	30	181.6		
16	MN-	eP	06 27 40	LZ	20	163.4	83.1	
		e	28 55	LZ	20	181.5		
		eS	37 50	LR	20	393.8		
		e	40 17	LT	37	769.0		
		eSS	43 12	LT	22	315.6		
		eL	50 50	LR	32	558.9		
16	LC-	eP	06 28 01.8	SZ	0.6	23.0	87.7	5.23
		eP	28 02	LZ	20	143.2		
		e	29 06	SZ	1.1	19.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	29 12	LZ	20.	161.1		
		e	32 40	LZ	25	70.9		
		eS	38 20	LR	29	335.4		
		ePS	39 40	LT	22	441.9		
		eSS	44 25	LR	27	224.0		
		eL	53 05	LR	28	386.8		
16	DH-	ePP	06 34 45	LZ	20	96.1	114.6	
		e	36 00	LZ	20	96.1		
		ePS	44 33	LR	20	301.8		
		eSPP	45 55	LZ	28	380.7		
16	06 59 38.6		44.3 N 149.5 E KURILE ISLANDS					
			H= 33 KM MAG 5.50 CGS					
16	AD-	eP	07 04 48.2	SZ	1.2	117.4	23.7	5.25
		iP	04 49 D	LZ	999	9999.9		
		e	05 04	SZ	1.3	685.0		
		ePP	05 32	SZ	1.4	393.7		
16	NP-	eP	07 08 12.7	SZ	1.0	153.5	47.7	5.99
		eP	08 13	LZ	15	3766.0		
		eS	15 06	ST	1.9	136.9		
		eS	15 08	LR	22	11.9U		
		eSCS	18 00	LR	27	10.2U		
		eLQ	20 00	LR	999	9999.9U		
		eL	23 40	SZ	1.9	36.0		
		eLR	24 40	LZ	999	9999.9		
16	HW-	eP	07 08 45	LZ	16	3372.5	51.3	
		eS	16 05	LR	22	8031.1		
		eLQ	20 50	LR	18	11.7U		
		eLR	22 45	LZ	999	9999.9U		
16	MN-	eP	07 10 28	LZ	15	1716.6	65.9	
		eS	19 00	LR	20	9999.9		
		eL	26 50	LT	999	9999.9		
16	RK-	eP	07 10 50.0	SZ	1.0	150.7	70.6	5.98
		eP	10 50	LZ	20	3034.9		
		ePCP	11 08	SZ	0.9	143.5		
		eS	20 00	LR	24	9999.9		
		eSS	24 45	LR	23	9999.9		
		eSSS	28 00	LR	25	9999.9		
		eL	32 10	LR	30	9999.9		
16	LC-	eP	07 11 29.0	SZ	1.0	18.7	77.0	5.07
		eP	11 30	LZ	16	834.3		
		ePCP	11 50	SZ	1.5	138.9		
		e	12 33	SZ	2.0	86.1		
		ePP	14 30	SZ	1.8	74.9		
		eS	21 15	LT	999	9999.9		
16	DH-	eP	07 12 12.0	SZ	1.1	116.6	85.1	5.92
		eP	12 14	LZ	20	1794.2		
		eS	22 30	LR	22	8057.1		
		eSS	28 26	LR	27	3567.6		
		eL	39 00	LR	23	8187.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	JE=	eP	07 12 16.0	SZ	1.1	76.0	85.8	5.69
		eP	12 19	LZ	11	6856.4		
		e	12 22	SZ	1.0	92.4		
		eS	22 31	LR	23	11.0U		
		e	28 50	LZ	26	3039.1		
							AVG.	5.65
16	07 00 14.*		56.1 S 27.7 W SOUTH SANDWICH ISLANDS REG.					
			H= 33 KM MAG 5.10 CGS					
16	07 17 04.4		44.2 N 149.9 E KURILE ISLANDS					
			H= 33 KM					
16	07 21 42.7		44.2 N 149.4 E KURILE ISLANDS					
			H= 33 KM MAG 5.20 CGS					
16	RK=	eP	07 32 55.0	SZ	0.9	44.8	70.7	5.50
16	LC=	eP	07 33 35.5	SZ	0.8	5.2	77.1	4.62
16	DH=	eP	07 34 17.1	SZ	0.9	21.8	85.2	5.27
							AVG.	5.13
16	07 24 57.*		47.6 N 143.4 E SAKHALIN ISLAND					
			H= 33 KM MAG 5.10 CGS					
16	07 28 28.3		44.3 N 149.5 E KURILE ISLANDS					
			H= 52 KM MAG 5.00 CGS					
16	NP=	eP	07 37 01.3	SZ	0.9	18.5	47.7	5.06
16	RK=	eP	07 39 39.0	SZ	0.8	26.4	70.6	5.26
16	LC=	eP	07 40 17.5	SZ	0.7	1.9	77.0	4.19
							AVG.	4.83
16	07 37 19.6		44.5 N 149.6 E KURILE ISLANDS					
			H= 33 KM MAG 4.90 CGS					
16	NP=	eP	07 45 54.2	SZ	1.0	20.7	47.5	5.12
16	RK=	eP	07 48 31.2	SZ	1.0	27.6	70.4	5.24
							AVG.	5.18
16	07 51 36.7		44.5 N 149.6 E KURILE ISLANDS					
			H= 33 KM MAG 4.40 CGS					
16	NP=	eP	08 00 10.5	SZ	0.9	7.4	47.5	4.72
16	08 18 28.3		44.6 N 149.4 E KURILE ISLANDS					
			H= 33 KM MAG 5.20 CGS					
16	AD=	eP	08 23 37.0	SZ	1.3	122.3	23.5	5.22

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	AD=	eP	08 23 37	SZ	1.3	122.3	23.6	5.23
16	AD=	e	08 23 51	SZ	1.0	152.6	23.5	
16	AD=	e	08 23 51	SZ	1.0	152.6	23.6	
16	NP=	eP	08 27 01.3	SZ	1.0	49.7	47.5	5.50
		eP	27 02	LZ	25	3625.4		
		eS	34 00	LR	22	6497.7		
		eLQ	38 50	LR	999	9999.9		
		eLR	43 55	LZ	27	5127.3		
16	RK=	eP	08 29 39.0	SZ	0.8	60.4	70.4	5.68
16	LC=	eP	08 30 18.0	SZ	0.7	7.8	76.9	4.85
16	DH=	eP	08 31 00.0	SZ	0.8	16.7	84.9	5.22
16	JE=	eP	08 31 04.5	SZ	0.7	10.2	85.7	5.02
16	HW=	eLR	08 42 25	LZ	27	8417.6	51.4	
							AVG.	5.24
16	08 23 00.6		44.6 N 149.6 E KURILE ISLANDS					
			H= 33 KM MAG 5.30 CGS					
16	08 33 29.8		44.2 N 149.4 E KURILE ISLANDS					
			H= 33 KM MAG 4.70 CGS					
16	NP=	eP	08 42 05.0	SZ	1.0	16.5	47.9	5.02
		ePCP	43 22	SZ	1.6	33.6		
16	RK=	eP	08 44 43.0	SZ	0.7	24.7	70.7	5.35
							AVG.	5.18
16	08 34 45.6		44.1 N 149.2 E KURILE ISLANDS					
			H= 33 KM MAG 4.70 CGS					
16	08 37 34.8		44.3 N 150.1 E KURILE ISLANDS REGION					
			H= 33 KM MAG 4.60 CGS					
16	NP=	eP	08 46 08.5	SZ	1.0	8.2	47.6	4.72
16	08 47 27.3		45. N 149.3 E KURILE ISLANDS					
			H= 33 KM MAG 5.00 CGS					
16	NP=	eP	09 07 36.0	SZ	1.0	8.2		
16	09 18 16.6		44.5 N 149.1 E KURILE ISLANDS					
			H= 33 KM MAG 5.40 CGS					
16	AD=	eP	09 23 25.0	SZ	1.0	38.1	23.8	4.84
16	NP=	eP	09 26 51.5	SZ	1.3	80.3	47.7	5.59
		eS	33 55	LR	23	6714.3		
		eLQ	38 50	LR	999	9999.9		
		eLR	43 45	LZ	28	11.3U		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	RK-	eP	09 29 28.1	SZ	0.8	34.0	70.6	5.43
16	LC-	eP	09 30 08.0	SZ	0.8	5.8	77.1	4.66
16	DH-	eP	09 30 50.5	SZ	0.8	22.3	85.1	5.34
16	JE-	eP	09 30 53.5	SZ	1.0	20.5	85.9	5.15
16	HW-	e	09 35 05	LZ	18	7926.4	51.6	
		eLQ	39 40	LR	25	10.0U		
		eLR	42 00	LZ	24	8303.7		
							AVG.	5.16

16 09 54 30.9 44.1 N 149.3 E KURILE ISLANDS
H= 33 KM MAG 4.40 CGS

16	NP-	eP	10 03 06.5	SZ	1.4	7.6	48.0	4.54

16 10 50 59.1 44.4 N 149.5 E KURILE ISLANDS
H= 35 KM MAG 4.40 CGS

16 10 58 30.6 44.1 N 149.5 E KURILE ISLANDS
H= 25 KM MAG 4.60 CGS

16	NP-	eP	11 07 07.0	SZ	1.0	12.4	47.9	4.92

16 11 24 41.5 44.6 N 149.5 E KURILE ISLANDS
H= 33 KM MAG 4.20 CGS

16 12 04 05.3 44.6 N 149.5 E KURILE ISLANDS
H= 33 KM MAG 4.50 CGS

16	RK-	eP	12 15 17.0	SZ	0.7	13.2	70.3	5.08

16 12 18 54.4 44.6 N 149.5 E KURILE ISLANDS
H= 33 KM MAG 4.60 CGS

16	RK-	eP	12 30 05.3	SZ	1.0	12.5	70.3	4.90

16 12 37 26.8 44.3 N 149.4 E KURILE ISLANDS
H= 33 KM MAG 4.90 CGS

16	NP-	eP	12 46 01.8	SZ	1.2	17.0	47.8	4.95
16	AD-	eLR	12 49 35	LZ	22	1196.9	23.7	
16	HW-	eLR	13 01 10	LZ	25	493.0	51.3	
16	RK-	eLR	13 16 40	LZ	25	779.7	70.6	
16	DH-	eLR	13 21 30	LZ	23	341.4	85.2	
16	JE-	eLR	13 23 00	LZ	24	365.7	85.9	

16 13 29 30.6 44.4 N 149.5 E KURILE ISLANDS
H= 33 KM MAG 4.90 CGS

16	NP-	eP	13 38 00.0	SZ	0.9	18.5	47.7	5.11

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	RK-	eP	13 40 42.5	SZ	0.6	18.4	70.5	5.29
							AVG.	5.20
16	LC-	eP	21 21 01.0	SZ	0.3	9999.9	1.5	
		eS	21 21	ST	0.3	9999.9		

16 23 42 45.3 44.1 N 149.1 E KURILE ISLANDS
H= 33 KM MAG 4.50 CGS

17 00 59 34.5 32.5 N 140.3 E SOUTH OF HONSHU, JAPAN
H= 86 KM MAG 4.80 CGS

17 01 07 49.8 29.6 S 68.4 W SAN JUAN PROVINCE, ARGENTINA
H= 96 KM MAG 4.20 CGS

17 01 38 36. 7. S 155.8 E SOLOMON ISLANDS
H= 58 KM MAG 4.70 CGS

17 02 00 03.3 59.5 N 145.5 W GULF OF ALASKA
H= 33 KM MAG 5.20 CGS

17 02 28 42. 32.2 N 141.5 E SOUTH OF HONSHU, JAPAN
H= 22 KM MAG 4.20 CGS

17 03 17 28.1 7 N 119.3 E NORTHERN CELEBES
H= 62 KM MAG 5.40 CGS

17	MN-	eP	03 56 35.0	SZ	1.3	8.3		
17	AD-	eP	05 49 43.6	SZ	0.2	78.1	1.6	
		eS	50 05	SR	0.2	238.0		

17 05 55 54.4 22.3 S 171.5 E LOYALTY ISLANDS REGION
H=116 KM MAG 5.30 CGS

17	MN-	eP	06 08 40.0	SZ	0.6	9.4	89.4	5.07
		eSKS	19 25	LR	14	186.0		
		eS	19 47	LR	15	414.6		
		eLQ	32 35	LR	50	1564.9		
		eLR	36 40	LZ	30	1000.0		
17	LC-	eP	06 09 06.0	SZ	1.0	3.0	95.2	4.68

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	09 39	SZ	1.0	5.1		
		e	21 05	LR	23	167.6		
		eSS	27 10	LR	25	147.8		
		e	30 58	LR	22	86.7		
		eLQ	36 18	LR	29	342.1		
		eLR	40 20	LZ	25	922.4		
		eL	40 50	LT	25	856.3		
		eL	40 50	LR	30	421.1		
		eL	40 50	LZ	25	922.4		
17	HW-	eS	06 12 34	LR	17	787.2	52.8	
		eLQ	17 53	LT	23	832.0		
		eLR	20 25	LZ	26	876.8		
17	AD-	e	06 16 50	LZ	22	255.3	74.6	
		e	25 05	LZ	20	131.7		
		eL	30 10	LZ	34	1053.3		
17	JE-	eL	06 45 35	LZ	35	384.5	106.7	
17	RK-	eL	06 47 37	LT	25	216.7	109.9	
17	DH-	eL	06 53 30	LZ	35	407.3	121.9	
							AVG.	4.87

17 06 34 50.* 42.4 N 131.0 E RUSSIA CHINA BORDER REGION
H=513 KM MAG 4.50 CGS

17 06 45 15.* 44.5 N 149.4 E KURILE ISLANDS
H= 33 KM MAG 4.40 CGS

17	NP-	eP	07 13 36.0	SZ	0.2	4.6	
17	NP-	eL	07 14 50	SR	0.2	4.9	

17 07 45 33. 13.6 S 72.7 W PERU
H= 57 KM MAG 4.40 CGS

17	JE-	eL	08 03 20	LZ	18.	203.6	48.8
17	LC-	eP	07 54 43.0	SZ	0.2	.4	
17	LC-	eLQ	07 56 53	LR	20	477.3	
17	LC-	eL	07 57 10	SR	0.5	2.0	
17	LC-	eLR	07 57 50	LZ	14	552.2	

17 08 06 17.2 37.2 S 52.2 E SOUTH INDIAN OCEAN
H= 33 KM

17	MN-	eP'1	08 26 25.5	SZ	1.2	6.7	172.3

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	LC-	eP'2	08 27 03.5	SZ	1.0	11.3	162.0	
17	RK-	eL	09 20 00	LZ	35	158.6	152.2	
17	MN-	eP	08 41 42.2	SZ	0.2	2.0	.8	
		eS	41 54	ST	0.2	4.8		
17	LC-	eL	09 34 55	LZ	25	70.9		
17	LC-	eP	09 49 24.0	SZ	0.8	1.8		

17 09 50 29.5 35. N 25.4 E CRETE
H= 33 KM MAG 4.80 CGS

17	NP-	eP	10 01 18.2	SZ	0.6	4.3	66.8	4.76
17	RK-	eP	10 02 30.6	SZ	0.5	.9	79.1	4.01
		e	02 37	SZ	1.0	17.5		
		eL	31 10	LZ	27	301.0		
17	MN-	eL	10 36 15	LR	30	383.1	99.5	
17	LC-	eL	10 36 35	LR	34	476.9	99.2	
							AVG.	4.38

17 10 02 37.* 21.8 S 170.2 E LOYALTY ISLANDS REGION
H= 33 KM

17	HW-	eL	10 28 05	LZ	20.	216.3	53.2	

17 10 14 02.7 44.5 N 149.9 E KURILE ISLANDS
H= 33 KM MAG 4.50 CGS

17	AD-	eL	10 23 27	LZ	20	109.8	23.3	
17	RK-	eP	10 25 12.7	SZ	0.7	5.0	70.2	4.65
17	MN-	eP	10 58 27.0	SZ	0.7	1.3		

17 12 07 30.6 35.8 N 141.3 E NEAR E. COAST HONSHU, JAPAN
H= 45 KM MAG 4.90 CGS

17	NP-	eP	12 17 18.0	SZ	0.9	10.3	57.7	4.86
17	MN-	eP	12 19 13.4	SZ	0.7	2.1	75.9	4.25
							AVG.	4.55
17	AD-	eL	13 40 18	LZ	23.	127.6		
17	MN-	eP	14 04 22.0	SZ	0.4	.3	3.4	
		eS	05 04	SR	0.3	1.4		
17	DH-	eP	14 16 29.0	SZ	0.2	6.8	3.1	
		eS	17 07	SR	0.4	11.8		
17	RK-	eL	14 22 05	SR	0.5	1.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	14 24 39.*		28.1 N 45.3 W NORTH ATLANTIC RIDGE					
			H= 33 KM MAG 4.10 CGS					
17	LC-	eP	14 33 53.5	SZ	0.8	1.2	52.5	3.92
		eLR	50 10	LZ	27	143.1		
		eL	54 07	LT	23	231.7		
		eL	54 07	LR	21	169.4		
		eL	54 07	LZ	22	283.2		
17	JE-	eL	14 44 20	LZ	25	216.7	40.4	
17	RK-	eL	14 46 00	LZ	30	121.2	42.7	
17	AD-	eP	14 43 30.0	SZ	0.2	12.0	2.2	
		eS	43 58	SR	0.2	17.0		
17	14 48 10.9		26.7 N 44.6 W NORTH ATLANTIC RIDGE					
			H= 33 KM MAG 4.90 CGS					
17	LC-	eP	14 57 29.5	SZ	1.0	8.2	53.6	4.69
		eS	15 05 20	LR	24	296.8		
		eS	05 20	LT	18	335.2		
		eLQ	10 00	LZ	17	117.9		
		eLR	13 33	LZ	34	763.0		
		eL	17 58	LT	20	1195.8		
		eL	17 58	LR	22	763.0		
		eL	17 58	LZ	22	1121.4		
17	NP-	eP	14 58 20.7	SZ	1.3	37.2	60.7	5.31
17	DH-	eLR	15 01 53	LZ	25	1803.7	29.2	
		eL	02 46	LR	24	1301.7		
		eL	02 46	LT	23	642.2		
		eL	02 46	LZ	23	1763.3		
17	RK-	eS	15 02 53	LT	16	216.2	44.2	
		eSCS	06 22	LR	20	244.5		
		eL	08 35	LZ	30	703.2		
17	JE-	eL	15 07 30	LZ	30	1139.3	41.4	
17	MN-	eLQ	15 13 45	LR	20	199.0	61.6	
		eLR	18 00	LZ	30	354.1		
		eL	22 29	LT	23	754.7		
		eL	22 29	LR	20	235.2		
		eL	22 29	LZ	23	909.4		
							AVG.	5.00
17	15 01 14.		7.1 S 129.4 E BANDA SEA					
			H=117 KM MAG 5.50 CGS					
17	LC-	eP!	15 19 56.5	SZ	1.0	5.1	122.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePKKP	29 53	SZ	1.0	5.1		
17	RK-	eP!	15 19 58.2	SZ	0.5	4.7	123.7	
17	MN-	eP	17 47 50.5	SZ	0.2	4.9	1.2	
		eS	48 05	SR	0.2	3.5		
17	18 25 46.8		6 S 122.2 E NORTHERN CELEBES					
			H=152 KM MAG 4.90 CGS					
17	LC-	eP!	18 44 31.5	SZ	1.1	3.8	124.2	
17	DH-	eP	18 52 31.5	SZ	0.3	10.2	1.5	
		eS	52 52	SR	0.5	19.5		
17	RK-	eP	19 50 18.2	SZ	0.2	9.5	4.0	
		eS	51 07	SR	0.2	45.5		
17	LC-	eP	20 13 16.0	SZ	0.2	3.4	2.4	
		eS	13 47	SR	0.2	11.9		
17	LC-	eP	21 01 04.0	SZ	0.2	9.8	1.4	
		eS	01 22	SR	0.2	10.3		
17	LC-	eP	21 07 46.5	SZ	0.2	1.4	2.5	
		eS	08 19	SR	0.2	2.5		
17	MN-	eP	23 44 14.0	SZ	0.4	.3	2.8	
		eS	44 56	SR	0.6	8.9		
18	HW-	eP	02 20 32.6	SZ	0.3	521.9	.6	
		eS	20 41	SR	0.3	9999.9		
18	02 49 16.8		2.8 N 78.0 W NEAR WEST COAST OF COLOMBIA					
			H= 68 KM MAG 4.80 CGS					
18	LC-	eP	02 56 45.5	SZ	1.0	11.1	39.8	4.60
		eL	03 09 10	LR	34	141.4		
18	RK-	eP	02 58 02.0	SZ	0.6	24.0	49.7	5.31
		eL	03 13 50	LZ	35	190.3		
18	MN-	eP	02 58 14.5	SZ	0.8	6.9	51.0	4.70
							AVG.	4.87
18	JE-	eL	06 05 00	LZ	20.	125.1		
18	06 16 35.2		44.4 N 149.7 E KURILE ISLANDS					
			H= 33 KM MAG 5.10 CGS					
18	AD-	eP	06 21 50	LZ	18	153.0	23.5	
		eS	26 10	LZ	18	721.3		
		eL	28 30	LZ	19	1145.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	MN-	eP	06 27 19.0	SZ	1.4	23.8	65.8	5.13
		eL	44 05	LT	15	159.3		
18	RK-	eP	06 27 46.5	SZ	0.9	38.4	70.4	5.43
		epP	27 56	SZ	0.9	15.3		
		eL	55 35	LZ	25	245.1		
		e	07 00 10	LZ	20	371.0		
18	LC-	eP	06 28 25.0	SZ	0.8	5.9	76.8	4.67
		eL	52 50	LT	15	272.1		
18	HW-	eL	06 41 50	LZ	20	167.6	51.1	
18	DH-	eL	07 00 50	LZ	34	355.3	85.0	
							AVG.	5.07
18	MN-	eP	06 26 49.0	SZ	0.4	2.0	.4	
		eS	26 56	SR	0.5	4.9		
18	07 07 31.8		19.4 N 68.7 W NORTH ATLANTIC OCEAN					
			H= 33 KM MAG 4.30 CGS					
18	LC-	eP	07 14 33.5	SZ	1.0	7.0	36.3	4.46
18	MN-	eP	07 16 00.0	SZ	1.0	5.8	46.7	4.55
							AVG.	4.50
18	09 06 26.		2.9 N 65.7 E CARLSBERG RIDGE					
			H= 33 KM					
18	MN-	eP1	09 25 53.0	SZ	2.0	52.0	138.7	
		ePP	28 48	SZ	2.0	46.8		
		eSKP	29 38	SZ	2.8	114.5		
18	LC-	eP1	09 25 58.5	SZ	2.5	324.4	144.1	
		eP1	26 00	LZ	11	257.9		
		eLQ	10 09 10	LR	50	789.0		
		eLR	25 00	LZ	35	671.8		
18	RK-	e	09 33 10	LZ	20	144.3	123.6	
		eSP	36 50	LZ	20	164.9		
		eSS	43 50	LT	32	405.1		
		eL	10 05 30	LZ	45	1187.2		
18	DH-	eL	10 09 50	LZ	30	698.5	122.6	
18	MN-	eP	09 21 26.0	SZ	0.5	.6	2.5	
		eS	21 58	ST	0.5	2.9		
18	09 26 57.3		14.4 S 167.0 E NEW HEBRIDES ISLANDS					
			H= 50 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	AD-	ePP	09 39 55	LZ	17.	374.2	67.5	
		ePKKP	57 50	LZ	50	1606.3		
		eLR	10 05 00	LZ	27	1028.3		
18	MN-	eL	10 12 50	LZ	45	672.8	87.4	
18	JE-	eL	10 13 30	LZ	40	860.6	106.7	
18	10 07 58.2		12.1 N 89.6 W OFF COAST OF CENTRAL AMERICA					
			H= 33 KM MAG 4.20 CGS					
18	HW-	eL	10 14 40	LZ	30.	394.4		
18	10 45 15.5		12.2 N 89.3 W OFF COAST OF CENTRAL AMERICA					
			H= 33 KM MAG 4.70 CGS					
18	JE-	eP	10 49 43.5	SZ	1.0	40.1	19.7	4.64
18	DH-	eL	11 04 30	LR	20	350.2	32.5	
18	12 32 24.1		7. S 124.0 E BANDA SEA					
			H=574 KM MAG 5.80 CGS					
18	AD-	eP	12 43 22.0	SZ	0.5	204.8	77.3	5.81
		iP	43 23 D	LZ	19	9666.6		
		e	45 39	SZ	1.2	233.1		
		ePP	46 22	LZ	18	12.5U		
		eS	52 30	SR	1.7	1082.2		
		eS	52 30	LR	21	9999.9		
		eSS	57 50	LR	24	10.0U		
		e	13 01 10	LZ	21	8275.8		
		eLQ	04 05	LT	28	20.7U		
		eLR	09 55	LZ	22	760.2		
		e	30 20	LZ	20	3621.7		
18	HW-	eP	12 43 54.5	SZ	0.5	130.6	83.3	5.75
		eP	43 55	LZ	17	9015.5		
		e	43 59	SZ	0.5	1030.4		
		epP	45 50	LZ	19	1605.9		
		ePP	46 50	LZ	22	2111.7		
		ePPP	49 30	LZ	19	1215.2		
		eS	53 30	LR	21	9662.7		
		e	57 10	LR	26	7351.2		
		ePKKP	13 02 00	LZ	25	3157.1		
		eSKKP	05 00	LZ	20	4988.2		
		eL	11 00	LZ	23	3736.1		
18	MN-	ePD	12 46 26	SZ	1.5	19.6	116.0	
		ePD	46 27	LZ	20	881.1		
		epPD	48 25	LZ	18	358.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	50 05	SZ	1.0	58.3		
		ePP	51 19	SZ	1.4	224.2		
		ePP	51 20	LZ	20	3341.2		
		e	52 32	SR	1.6	102.0		
		ePPP	54 05	LZ	22	3201.4		
		eSKS	56 06	SR	3.0	447.7		
		eSKKS	57 24	ST	2.0	98.4		
		e	13 00 15	LR	25	2841.3		
		ePKKP	00 45	SZ	1.3	67.3		
		e	02 51	SZ	1.4	27.7		
		ePKKS	04 02	LR	999	9999.9		
		eSS	06 40	SR	3.5	266.8		
		e	14 25	LR	999	9999.9		
		eL	20 50	LZ	28	9999.9		
18	RK-	ePD	12 47 00	LZ	25	531.1	126.3	
		e	50 06	SZ	0.5	3.7		
		eP	50 10	LZ	17	1438.0		
		eP	50 22	SZ	0.5	45.2		
		ePP	52 10	LZ	28	10.4U		
		ePP	52 25	SZ	2.0	859.3		
		epP	52 48	SZ	0.7	37.3		
		ePKS	53 40	LT	18	4839.9		
		e	53 43	ST	2.0	919.1		
		ePKS	54 01	ST	2.4	724.7		
		ePPP	55 48	LZ	25	3779.6		
		eSKS	56 35	LT	25	2041.4		
		eSKKP	13 03 10	LZ	22	2836.0		
		e	03 43	SZ	1.2	57.6		
		ePKKS	04 10	LT	27	5871.1		
		e	06 35	LZ	25	18.2U		
		e	09 00	LT	999	9999.9U		
		e	09 28	SR	3.0	461.9		
		e	13 05	LT	26	9999.9		
		e	16 40	LZ	24	12.1U		
		e	17 40	LZ	37	19.6U		
18	LC-	ePD	12 47 16	SZ	1.3	7.7	126.7	
		ePD	47 17	LZ	23	446.8		
		epPD	49 15	LZ	18	200.4		
		eP	50 10	SZ	0.6	3.3		
		eP	50 23	LZ	20	916.2		
		e	50 25	SZ	1.5	338.6		
		ePP	52 31	SZ	2.0	776.5		
		ePP	52 35	LZ	19	42.4U		
		e	52 52	SZ	1.3	303.0		
		e	53 45	LR	999	9999.9		
		ePKS	53 50	SR	2.4	928.5		
		ePPP	55 20	LZ	25	15.7U		
		eSKS	56 42	SR	2.5	295.4		
		e	59 58	SZ	1.4	60.1		
		e	13 03 05	SZ	1.0	38.3		
		e	03 47	SZ	1.1	29.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	04 00	LZ	999.	9999.9		
		e	09 30	SR	1.5	19.1		
18	JE-	ePD	12 48 05	LZ	22	266.6	138.4	
		eP	50 45	LZ	20	8942.5		
		eP	50 50	SZ	0.5	314.4		
		e	52 04	SZ	0.8	136.6		
		epP	52 40	LZ	13	4649.0		
		e	53 30	SZ	1.0	9999.9		
		ePP	53 30	LZ	14	12.9U		
		ePKS	54 27	ST	2.5	3513.5		
		ePPP	56 40	LZ	23	2448.7		
		ePPP	57 03	SR	1.5	364.1		
		e	13 02 13	SZ	1.2	339.8		
		ePKKS	03 45	LR	20	8846.1		
		e	08 50	LZ	20	19.2U		
		e	15 40	LZ	21	3553.6		
18	DH-	eP	12 50 46.5	SZ	0.5	27.9	141.1	
		eP	50 47	LZ	23	5313.2		
		e	50 54	SZ	0.5	142.3		
		e	52 45	LZ	17	2111.7		
		e	53 34	SZ	1.5	396.3		
		ePP	53 35	LZ	21	3147.2		
		ePKS	54 32	ST	2.5	1349.1		
		ePPP	57 00	LZ	20	5484.2		
		e	13 02 01	SZ	0.7	33.5		
		e	03 40	LT	27	1803.5		
		e	09 10	LZ	999	9999.9		
		e	12 20	LT	30	9014.4		
		e	16 55	LR	20	6239.9		
		eLQ	33 40	LR	31	5975.3		
		eLR	39 50	LR	35	7397.0		
						AVG.		5.78

18 JE- e 12 50 41 SZ 0.5 34.0

18 13 20 20.3 29.7 N 50.8 E SOUTHERN IRAN
H= 33 KM MAG 4.90 CGS

18 JE- eL 13 41 00 LZ 25. 10.5U

18 15 58 10.* 59.1 N 148.2 W KENAI PENINSULA. ALASKA
H= 33 KM MAG 4.80 CGS

18	MN-	eP	16 27 40.5	SZ	0.2	21.4	1.0	
		eS	27 54	SR	0.4	11.9		
18	LC-	eP	17 52 05.0	SZ	0.7	3.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	AD-	eP	18 18 40.0	SZ	0.4	17.4	1.3	
		eS	19 00	ST	0.5	93.6		
18	18 33 19.9		41.9 N 111.8 W UTAH					
			H= 10 KM MAG 4.30 CGS					
18	MN-	eP	18 34 50.5	SZ	0.5	12.2	6.0	4.93
		ePP	35 12	SZ	0.6	21.6		
		eL	36 29	ST	999.9	9999.9		
18	LC-	e	18 36 30	SZ	1.0	6.0	10.3	
		eL	38 40	ST	2.5	184.5		
		eLQ	38 41	LT	15	1036.6		
		eLR	39 10	LZ	12	600.1		
18	RK-	eP	18 36 52.0	SZ	0.5	5.6	15.3	4.22
		eL	41 28	ST	1.4	140.0		
							AVG.	4.57
18	LC-	eP	19 25 12.5	SZ	0.3	.7	2.9	
		eS	25 50	ST	0.4	5.4		
18	20 03 35.*		16.4 S 174.3 W TONGA ISLANDS					
			H=189 KM MAG 4.20 CGS					
18	20 57 15.*		20.5 S 67.1 W SOUTHERN BOLIVIA					
			H=210 KM MAG 3.80 CGS					
18	21 25 29.9		28. N 54.7 E SOUTHERN IRAN					
			H= 61 KM MAG 4.80 CGS					
18	21 45 10.4		60.3 N 152.3 W SOUTHERN ALASKA					
			H= 96 KM MAG 4.10 CGS					
18	21 56 01.		7.1 N 144.4 E CAROLINE ISLANDS REGION					
			H= 33 KM MAG 4.80 CGS					
18	AD-	eL	22 21 00	LZ	27.	545.6	54.9	
18	MN-	eL	22 33 30	LZ	25	291.0	116.0	
18	MN-	eL	22 33 30	LZ	25	291.0	91.4	
18	LC-	eL	22 43 50	LZ	25	201.1	102.0	
18	RK-	eL	22 50 00	LZ	22	299.5	103.8	
18	JE-	eL	22 50 20	LZ	30	147.1	113.8	
18	LC-	eP	22 04 23.0	SZ	0.5	2.6	3.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	05 05	SR	0.5	4.9		
18	22 31 37.7		19.4 S 179.1 W FIJI ISLANDS REGION					
			H=666 KM MAG 4.80 CGS					
18	MN-	eP	22 42 47.0	SZ	1.0	30.0	81.1	
18	LC-	eP	22 43 12.5	SZ	1.0	13.1	86.3	
18	22 35 45.5		29.7 N 51.0 E SOUTHERN IRAN					
			H= 36 KM MAG 4.80 CGS					
18	23 52 34.3		5.9 S 105.0 E SUNDA STRAIT					
			H= 79 KM					
19	01 30 18.*		59.2 N 151.2 W KENAI PENINSULA, ALASKA					
			H= 33 KM MAG 4.50 CGS					
19	02 15 58.1		31.4 N 79.0 E TIBET INDIA BORDER REGION					
			H= 33 KM MAG 4.80 CGS					
19	05 39 55.8		46.6 N 27.1 W NORTH ATLANTIC RIDGE					
			H= 33 KM MAG 4.50 CGS					
19	MN-	eP	05 50 23.5	SZ	1.0	2.5	64.0	4.31
19	RK-	eL	06 01 20	LZ	26	131.1	42.8	
19	LC-	eL	06 13 45	LZ	23	161.5	60.5	
19	MN-	eL	06 23 00	LZ	20.	149.0		
19	06 34 02.*		1.5 N 97.0 W WEST OF GALAPAGOS ISLANDS					
			H= 33 KM MAG 4.40 CGS					
19	LC-	e	06 45 30	LZ	17.	562.1	32.0	
		eL	50 00	LZ	18	1086.8		
19	RK-	eLZ	06 56 05	LZ	25	164.9	49.2	
19	08 50 30.4		24.7 S 179.6 W SOUTH OF FIJI ISLANDS					
			H=475 KM MAG 4.30 CGS					
19	MN-	eP	09 02 15.0	SZ	1.0	1.7	85.2	3.68

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	LC-	eP	08 59 38.0	SZ	0.8	2.9		
19	HW-	eP	10 28 02.4	SZ	0.8	65.2		
19	MN-	eP	10 59 08.2	SZ	0.2	1.6	3.4	
		eS	59 50	SR	0.3	1.7		
19	AD-	eP	11 32 09.1	SZ	0.3	8.2	.8	
		eS	32 21	SR	0.4	175.0		
19	MN-	eP	12 24 17.0	SZ	0.7	.4		
19	12 35 18.*		49.8 N 155.6 E KURILE ISLANDS H= 50 KM MAG 4.50 CGS					
19	MN-	eP	13 23 13.5	SZ	0.8	.5		
19	MN-	eP	13 29 29.0	SZ	0.2	.4	.7	
19	13 29 29.4		4.6 S 152.9 E NEW BRITAIN REGION H= 70 KM MAG 4.90 CGS					
19	MN-	eP	13 42 33.5	SZ	1.0	1.7	92.0	4.33
19	MN-	eS	13 29 39	SR	0.2	13.3	.7	
19	13 54 29.1		14.4 S 166.4 E NEW HEBRIDES ISLANDS H= 9 KM MAG 4.60 CGS					
19	MN-	eP	15 24 40.0	SZ	1.0	1.7		
19	15 33 34.9		45.1 N 150.9 E KURILE ISLANDS H= 33 KM MAG 4.60 CGS					
19	MN-	eP	15 44 10.5	SZ	0.8	1.0	64.7	4.00
19	RK-	eP	15 44 39.0	SZ	0.6	4.1	69.3	4.69
19	DH-	eP	15 46 02.0	SZ	0.5	5.5	83.9	4.94
		e	46 12	SZ	0.8	17.2		
							AVG.	4.54
19	DH-	eP	16 21 28.5	SZ	0.2	17.3	1.8	
		eS	21 53	SR	0.2	39.4		
19	16 29 49.1		59.7 N 148.7 W KENAI PENINSULA. ALASKA H= 53 KM MAG 4.60 CGS					
19	MN-	eP	16 35 43.2	SZ	0.6	1.7	28.8	3.97
		eL	43 08	LT	24	210.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	RK-	eP	16 36 09.0	SZ	0.6	4.1	31.7	4.44
		eLQ	45 12	LR	37	719.4		
		eLR	48 50	LZ	20	258.9		
19	LC-	eP	16 37 14.5	SZ	1.5	14.4	38.9	4.55
		eL	52 05	LZ	17	226.1		
19	AD-	eL	16 39 06	LZ	22	327.5	17.5	
							AVG.	4.32
19	17 38 44.*		29.8 N 51.2 E SOUTHERN IRAN H= 54 KM					
19	DH-	eP	18 30 47.0	SZ	0.2	20.8	1.4	
		eS	31 05	SR	0.2	27.5		
19	DH-	eP	19 49 20.8	SZ	0.2	10.4	1.5	
		eS	49 41	ST	0.2	28.6		
19	LC-	eP	20 13 41.0	SZ	0.3	2.8	1.8	
		eS	14 06	ST	0.3	8.4		
19	LC-	eP	20 20 46.3	SZ	0.2	10.3	1.5	
		eS	21 04	SR	0.2	6.6		
19	21 14 52.2		15.7 S 177.8 W FIJI ISLANDS REGION H=398 KM MAG 4.40 CGS					
19	MN-	eP	21 26 16.9	SZ	0.9	9.8	77.5	4.54
19	21 17 59.8		36.1 S 73.5 W NEAR COAST OF CENTRAL CHILE H= 33 KM MAG 4.90 CGS					
19	LC-	eP	21 29 38.2	SZ	1.0	7.8	74.9	4.63
		e	29 45	SZ	0.8	12.8		
		eL	55 00	LZ	23	123.8		
19	MN-	eP	21 30 32.4	SZ	1.1	3.1	84.9	4.36
							AVG.	4.49
19	RK-	eP	21 30 47.0	SZ	0.3	2.6	.1	
		eS	30 51	SR	0.3	13.1		
19	21 38 28.8		44.2 N 149.3 E KURILE ISLANDS H= 33 KM MAG 4.50 CGS					
19	RK-	eP	21 49 42.5	SZ	0.7	6.2	70.7	4.75
		eL	22 08 52	LZ	17	85.9		
19	AD-	eL	21 50 27	LZ	25	306.4	23.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	LC-	eP	22 24 48.5	SZ	0.2	7.9	1.5	
		eS	25 08	SR	0.2	4.7		
19	MN-	eP	22 33 53.3	SZ	0.2	8.9	.8	
		eS	34 05	SR	0.2	18.0		
19	MN-	eP	22 36 33.0	SZ	0.2	4.0	2.1	
		eS	37 00	SR	0.4	3.1		
19	MN-	eP	22 42 34.3	SZ	0.2	5.6	3.0	
		eS	43 11	SR	0.2	20.3		
19	23 26 36.*		19.1 N 108.5 W REVILLA GIGEDO ISLANDS REG.					
			H= 33 KM MAG 3.80 CGS					
19	MN-	eP	23 31 20.0	SZ	0.8	5.0	21.0	3.90
20	00 49 05.7		19.6 S 174.8 W TONGA ISLANDS					
			H= 29 KM MAG 5.10 CGS					
20	LC-	eP	01 01 32.5	SZ	0.7	11.7	83.2	5.14
20	LC-	eP	00 53 29.2	SZ	0.5	29.5		
20	MN-	eP	02 17 46.0	SZ	1.0	6.8		
20	AD-	eP	02 23 54.2	SZ	0.6	122.1	3.7	
		eS	24 39	ST	0.8	208.6		
20	05 41 16.*		18.6 N 108.5 W REVILLA GIGEDO ISLANDS REG.					
			H= 33 KM MAG 4.00 CGS					
20	MN-	eP	05 46 04.9	SZ	0.8	7.0	21.5	4.08
20	RK-	eP	06 01 40	LZ	12.	241.0		
20	06 24 12.*		56.9 N 152.6 W KODIAK ISLAND REGION					
			H= 48 KM MAG 4.10 CGS					
20	AD-	eLR	06 33 31	LZ	25	288.3	14.9	
20	LC-	eLR	06 43 05	LZ	17	108.1	39.8	
20	RK-	eL	06 44 00	LZ	20	56.3	34.3	
20	LC-	eP	08 02 17.3	SZ	0.3	.7	1.5	
		eS	02 37	SR	0.3	8.8		
20	DH-	eL	14 57 45	LZ	40	255.9		
20	DH-	eP	15 16 24.8	SZ	0.4	10.2	1.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	16 48	SR	0.4	64.6		
20	HW-	eL	15 47 40	LZ	25	393.5		
20	DH-	eL	15 50 05	LZ	40	319.9		
20	LC-	eL	15 50 15	LZ	30	218.9		
20	MN-	eL	15 57 40	LZ	28	421.0		
20	RK-	eL	16 00 00	LZ	30	88.3		
20	AD-	eL	16 03 34	LZ	28	336.8		
20	DH-	eP	18 20 47.2	SZ	0.5	11.2	2.2	
		eS	21 16	SR	0.4	30.7		
20	RK-	eL	18 48 40	LZ	25	93.0		
20	RK-	eP	19 39 20.0	SZ	0.5	1.8		
20	RK-	eP	19 39 32.0	SZ	0.8	11.8		
20	19 43 17.*		38.7 N 26.7 E AEGEAN SEA					
			H= 33 KM					
20	DH-	eP	20 01 28.5	SZ	0.4	17.9	1.5	
		eS	01 49	ST	0.4	42.5		
20	20 04 02.*		23.9 S 179.0 W SOUTH OF FIJI ISLANDS					
			H=165 KM MAG 4.70 CGS					
20	LC-	eP	21 32 07.6	SZ	0.3	9999.9	1.3	
		eS	32 26	ST	0.3	20.9		
20	HW-	eP	21 38 35.2	SZ	0.3	285.7	.6	
		eS	38 43	ST	0.3	9999.9		
20	LC-	eP	22 15 46.5	SZ	0.3	11.2	1.5	
		eS	16 07	SR	0.3	9999.9		
20	23 13 00.4		3. S 128.6 E CERAM					
			H= 33 KM MAG 4.40 CGS					
20	23 34 59.4		14.8 N 60.2 W WINDWARD ISLANDS					
			H= 33 KM MAG 4.20 CGS					
20	DH-	eLR	23 49 17	LZ	30.	223.2	30.1	
20	LC-	eLR	23 58 55	LZ	30	102.6	45.6	
20	LC-	eP	23 42 50.5	SZ	999.9	9999.9		
20	23 48 14.*		13.6 N 92.2 W OFF COAST OF CHIAPAS, MEXICO					
			H= 33 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	LC-	eP	23 53 14.5	SZ	0.9	9.0	22.9	4.23
21	02 13 49.*		30. N 141.2 E SOUTH OF HONSHU, JAPAN H= 33 KM MAG 4.70 CGS					
21	MN-	eP	02 25 55.2	SZ	0.8	2.0	79.5	4.10
21	LC-	eL	06 38 52	LZ	18.	102.9		
21	LC-	eP	06 46 44.9	SZ	0.4	3.5	1.7	
		eS	47 07	SR	0.4	4.9		
21	07 38 31.		44.8 N 111.6 W HEBGEN LAKE REGION H= 33 KM MAG 5.80 CGS					
21	MN-	eP	07 40 28.9	SZ	0.7	5.3	8.0	4.69
		eP	40 29	LZ	16	315.1		
		e	40 34	SZ	0.8	16.1		
		eLQ	42 07	LR	999	9999.9		
		eLR	42 41	LT	999	9999.9		
21	LC-	eP	07 41 36.7	SZ	1.4	114.0	13.0	5.68
		eP	41 37	LZ	20	118.4		
		ePP	41 50	SZ	1.2	53.7		
		eS	44 04	LR	22	401.3		
		eLQ	44 50	LR	999	9999.9		
		eL	45 25	SZ	2.3	587.3		
		eLR	45 50	LZ	999	9999.9		
21	RK-	eP	07 41 37.8	SZ	0.9	9.6	13.5	4.61
		eS	43 58	LT	14	1272.5		
		eLQ	45 10	LT	999	9999.9		
		eL	45 24	ST	999.9	9999.9		
		eLR	46 12	LZ	17	9999.9		
21	JE-	eP	07 43 06.1	SZ	1.0	87.8	20.1	4.98
		eP	43 07	LZ	14	998.7		
		e	44 18	SR	1.6	262.7		
		eS	47 03	LT	16	2459.1		
		eL	48 52	SR	1.6	262.7		
		eLQ	48 55	LT	999	9999.9		
		eLR	51 00	LZ	20	9999.9		
21	DH-	eP	07 44 09.9	SZ	0.9	11.2	26.6	4.50
		eP	44 15	LZ	14	212.8		
		eS	48 48	LR	19	1407.6		
		eLQ	51 23	LT	32	9999.9		
		eL	52 24	SZ	1.0	72.9		
		eLR	54 34	LZ	19	3440.0		
21	NP-	eP	07 44 45.0	SZ	0.5	5.6	31.7	4.68
21	HW-	eL	07 59 10	LZ	21	421.0	44.0	
21	AD-	eLR	07 59 34	LZ	33	619.7	42.5	
							AVG.	4.85

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	08 34 06.*		6.5 S 80.7 W NEAR COAST OF NORTHERN PERU H=100 KM MAG 3.90 CGS					
21	10 08 46.7		14.1 S 166.7 E NEW HEBRIDES ISLANDS H= 45 KM MAG 4.40 CGS					
21	MN-	eL	10 49 14	LZ	29.	231.0	87.4	
21	LC-	eL	10 52 32	LZ	30	61.3	94.7	
21	DH-	eLR	11 08 25	LZ	30	109.5	120.3	
21	HW-	eP	11 35 17.8	SZ	0.9	76.3		
21	HW-	e	11 35 45	SZ	0.6	159.6		
21	11 48 30.9		2.7 S 138.9 E WEST NEW GUINEA H= 99 KM					
21	HW-	eL	13 27 12	LZ	23.	291.5		
21	DH-	eL	13 37 28	LZ	28	241.5		
21	RK-	eL	13 41 41	LZ	36	119.1		
21	JE-	eL	13 42 18	LZ	32	159.6		
21	LC-	eL	13 42 37	LZ	29	69.2		
21	MN-	eL	13 43 00	LZ	28	133.9		
21	14 32 57.6		58.5 N 151.9 W KODIAK ISLAND REGION H= 33 KM MAG 5.60 CGS					
21	NP-	eP	14 37 42.2	SZ	0.5	3.7	21.2	3.99
21	LC-	eLR	14 54 03	LZ	26	60.0	40.0	
21	MN-	eP	16 02 03.8	SZ	0.7	1.2		
21	LC-	eL	16 34 29	LZ	27	63.0		
21	17 23 33.7		35.9 N 71.3 E WEST PAKISTAN H=181 KM MAG 4.40 CGS					
21	LC-	eP	17 35 40.0	SZ	0.3	2.6	2.4	
		eS	36 11	SR	0.5	8.7		
21	19 17 50.		36.4 N 4.3 E ALGERIA H= 33 KM MAG 4.40 CGS					
21	20 02 20.5		44.8 N 111.6 W HEBGEN LAKE REGION H= 33 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	MN-	eP	20 04 24.6	SZ	0.8	1.2	8.0	3.98
		eL	06 27	SR	0.7	4.0		
21	LC-	eP	20 08 15.4	SZ	0.4	11.3	1.4	
		eS	08 35	SR	0.3	12.3		
21	20 56 59.*		15.1 S 173.0 W TONGA ISLANDS					
			H= 33 KM MAG 5.00 CGS					
21	LC-	eP	21 09 03.3	SZ	0.9	15.3	79.1	4.96
		eL	33 30	LZ	31	131.6		
21	AD-	eL	21 27 27	LZ	30	223.2	66.8	
21	MN-	eL	21 30 48	LZ	31	284.3	74.0	
21	RK-	eL	21 41 36	LZ	30	151.1	95.0	
21	23 09 18.8		28.1 N 93.8 E INDIA CHINA BORDER REGION					
			H= 37 KM MAG 5.90 CGS					
21	AD-	eP	23 20 15	LZ	17.	2455.0	68.1	
		eS	29 14	LT	19	10.0U		
		eL	43 20	LT	29	15.6U		
21	NP-	eP	23 20 52.0	SZ	0.5	18.6	73.9	5.30
		eP	20 52	LZ	17	3736.1		
21	RK-	eP	23 23 05	LZ	19	532.2	101.1	
		ePP	27 12	LZ	18	1755.0		
		ePPP	29 30	LZ	19	969.4		
		eSKS	33 44	LT	19	9999.9		
		eSP	36 16	LZ	20	9999.9		
		eSPP	37 04	LZ	19	9999.9		
		ePSS	41 57	LT	28	2639.7		
		eSKKS	46 33	LT	24	9999.9		
		e	49 50	LZ	28	9999.9		
		e	52 30	LZ	26	9999.9		
		eLR	59 31	LT	32	9999.9		
21	MN-	ePD	23 23 40	LZ	19	476.8	107.4	
		ePP	28 02	SZ	2.1	62.4		
		ePP	28 07	LZ	18	1847.1		
		ePPP	30 29	LZ	19	953.6		
		eSKS	34 15	LR	22	9999.9		
		eS	35 50	LT	18	1220.4		
		ePS	37 31	LR	999	9999.9		
		eSS	43 24	LT	24	2023.8		
		eSSS	47 03	LR	23	9999.9		
		e	52 34	LR	27	9999.9		
		e	54 30	LT	31	2175.1		
		eL	59 06	LT	44	5653.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	LC-	ePD	23 24 28	LZ	25.	228.9	116.8	
		ePP	29 10	SZ	1.7	12.4		
		ePP	29 12	LZ	18	9999.9		
		ePPP	31 49	LZ	19	815.9		
		eSKS	34 58	LR	22	9999.9		
		eSKKS	36 10	LR	19	9999.9		
		ePKKP	38 46	SZ	2.4	43.7		
		ePS	39 10	LR	999	9999.9		
		eSPP	40 16	LZ	999	9999.9		
		eSS	45 36	LR	999	9999.9		
		e	48 55	LZ	17	9999.9		
		e	53 00	LR	31	9999.9		
		e	56 38	LZ	19	9999.9		
		eLQ	59 51	LR	21	9999.9		
21	JE-	ePD	23 24 39	LZ	17	320.9	120.2	
		ePP	29 22	LZ	17	2210.8		
		eSKP	31 21	LZ	22	980.6		
		eSKS	35 10	LT	15	3103.5		
		eSKKS	36 35	LT	17	3801.1		
		eSP	39 16	LZ	16	9999.9		
		eSPP	40 53	LZ	18	9999.9		
		e	51 28	LZ	22	1842.3		
		e	55 42	LZ	20	9999.9		
		eL	59 30	LZ	20	1318.8		
21	DH-	ePP	23 28 19	LZ	18	1888.9	109.2	
		eSKS	34 22	LT	19	9999.9		
		eSP	37 39	LZ	18	4250.1		
		eSPP	38 36	LZ	22	9999.9		
		e	44 31	LT	20	9999.9		
		eL	57 57	LZ	25	1846.3		
21	HW-	eS	23 34 17	LR	23	4509.6	97.6	
		eSPP	36 32	LZ	19	1513.5		
		eSS	41 03	LR	21	2970.3		
		eSKKS	46 30	LR	29	4220.9		
		e	48 38	LR	17	3753.1		
		e	50 22	LR	22	2763.9		
		eLQ	52 34	LR	30	4239.1		
		eLR	58 44	LZ	27	2959.6		
22	03 02 16.7		40.4 N 138.7 E EASTERN SEA OF JAPAN					
			H= 33 KM MAG 4.80 CGS					
22	06 41 33.*		38.9 N 75.8 E S. SINKIANG PROVINCE, CHINA					
			H=120 KM MAG 4.40 CGS					
22	09 54 36.9		36.7 N 141.1 E NEAR E. COAST HONSHU, JAPAN					
			H= 40 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	12 37 45.8		23.6 N 142.7 E VOLCANO ISLANDS REGION					
			H= 86 KM MAG 4.50 CGS					
22	15 10 58.*		15.7 N 91.4 W MEXICO GUATEMALA BORDER REG.					
			H= 33 KM MAG 3.80 CGS					
22	16 04 15.*		18.8 N 108.0 W REVILLA GIGEDO ISLANDS REG.					
			H= 33 KM MAG 4.00 CGS					
23	01 56 03.2		19.8 N 56.0 W NORTH ATLANTIC OCEAN					
			H= 31 KM MAG 6.75 CGS					
23	NP-	eP	02 06 38.2	SZ	0.8	83.8	64.7	5.93
		eP	06 40	LZ	19	3906.2		
23	AD-	eP	02 09 05	LZ	20	1397.2	91.9	
		ePP	12 50	LZ	24	1544.7		
		eSKS	19 45	LR	22	2873.9		
		eSPP	21 55	LZ	21	9999.9		
		ePKKP	26 15	LZ	25	2077.1		
		eL	39 30	LZ	38	9999.9		
23	AD-	eP	02 38 32.0	SZ	0.3	26.7	.8	
		eS	38 43	ST	0.3	9999.9		
23	05 06 44.*		23.6 S 180.0 SOUTH OF FIJI ISLANDS					
			H=548 KM MAG 4.20 CGS					
23	LC-	eP	05 18 44.0	SZ	0.8	2.9	89.5	4.22
23	06 53 25.1		2.7 S 142.1 E NEAR NORTH COAST NEW GUINEA					
			H= 33 KM MAG 4.60 CGS					
23	AD-	eL	07 23 25	LZ	25.	161.5	64.6	
23	LC-	eLR	07 44 40	LZ	25	58.1	109.4	
23	09 39 06.2		28.2 S 177.3 W KERMADEC ISLANDS					
			H= 68 KM MAG 4.60 CGS					
23	10 07 35.*		30.8 S 64.4 W CORDOBA PROVINCE, ARGENTINA					
			H= 79 KM MAG 4.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	AD-	eL	11 18 30	LZ	15.	266.8		
23	MN-	eP	11 18 36.0	SZ	0.9	1.2		
23	RK-	eP	11 19 17.0	SZ	0.7	6.2		
23	LC-	eP	11 19 44.0	SZ	0.5	.7		
23	LC-	eL	11 47 45	LZ	15	125.9		
23	RK-	eL	11 51 05	LZ	19	286.6		
23	LC-	eL	11 53 30	LZ	18	82.7		
23	DH-	eL	12 00 20	LZ	18	211.5		
23	JE-	eL	12 03 10	LZ	15	263.5		
23	13 57 11.*		38.5 N 118.4 W CALIFORNIA NEVADA BORDER					
			H= 26 KM MAG 5.00 CGS					
23	MN-	eP	13 57 13.5	SZ	999.9	9999.9	.2	
23	LC-	eP	14 00 06.5	SZ	0.7	1.0	11.4	4.15
		eL	03 14	SZ	1.3	21.4		
		eLR	03 20	LZ	30	303.4		
23	RK-	eP	14 01 59.0	SZ	0.6	4.1	21.4	3.97
							AVG.	4.06
23	15 21 56.8		13.2 N 91.6 W KURILE ISLANDS					
			H= 45 KM MAG 4.00 CGS					
23	LC-	eP	15 27 08.0	SZ	0.5	3.8	23.5	4.12
23	MN-	eL	16 26 30	LT	21.	172.0		
23	LC-	eP	17 51 06.0	SZ	0.4	2.0	3.0	
		eS	51 42	ST	999.9	9999.9		
23	MN-	eP	18 36 35.0	SZ	0.5	1.8	2.9	
		eS	37 12	SR	0.7	7.3		
23	LC-	eP	19 47 33.5	SZ	0.2	15.9	1.4	
		eS	47 52	SR	0.2	10.9		
23	MN-	eP	21 01 27.0	SZ	0.3	.5	3.3	
		eS	02 08	SR	0.5	2.4		
23	21 06 24.2		44. N 147.5 E KURILE ISLANDS					
			H= 45 KM MAG 5.90 CGS					
23	AD-	eP	21 11 45.0	SZ	1.0	75.0	25.1	5.24
		eP	11 50	LZ	17	379.0		
		e	16 15	LZ	21	2850.7		
		eL	18 20	LZ	28	9999.9		
23	NP-	eP	21 15 02.0	SZ	0.5	1.9	48.5	4.35
23	MN-	eP	21 17 15.5	SZ	0.6	8.2	67.3	4.99
		eP	17 16	LZ	20	169.9		
		eS	26 10	LR	23	391.2		
		eSS	30 30	LR	28	595.0		
		eSSS	33 50	LT	30	697.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	35 00	LT	26.	1246.3		
		eLR	37 45	LZ	32	1193.9		
23	RK-	eP	21 17 40.0	SZ	0.7	31.0	71.7	5.41
		eP	17 41	LZ	17	348.7		
		epP	17 50	SZ	0.6	21.9		
		ePP	20 28	SZ	2.5	185.3		
		eS	26 50	LR	24	776.2		
		eLR	41 45	LZ	32	660.4		
23	LC-	eP	21 18 21.0	SZ	0.6	11.8	78.4	5.04
		eP	18 22	LZ	19	157.8		
		eS	28 15	LR	35	473.5		
		eSS	33 10	LR	33	414.9		
		eSSS	37 00	LR	26	371.7		
		eLQ	40 20	LT	34	1117.9		
		eLR	43 30	LZ	28	665.0		
23	DH-	eP	21 19 01.5	SZ	0.7	43.3	86.1	5.61
		eP	19 02	LZ	23	282.9		
		eS	29 10	LR	20	645.7		
		eLQ	47 40	LR	32	1061.2		
		eLR	50 25	LZ	33	936.9		
23	JE-	eP	21 19 08.0	SZ	0.9	55.3	87.1	5.70
		eSSS	39 15	LR	30	3068.1		
		eLR	49 20	LZ	32	838.0		
							AVG.	5.35

23 22 22 07.* 61.8 N 161.6 W SOUTHERN ALASKA
H= 29 KM MAG 4.00 CGS

23	MN-	eP	22 43 08.0	SZ	0.5	4.9	2.5	
		eS	43 39	SR	0.5	3.1		
23	AD-	eP	23 54 10.0	SZ	0.2	59.5	1.6	
		eS	54 33	SR	0.3	9999.9		

24 00 40 09.4 44.2 N 149.3 E KURILE ISLANDS
H= 33 KM MAG 4.40 CGS

24	MN-	eP	00 51 05.0	SZ	1.0	1.6	66.1	4.12
24	AD-	eL	00 53 48	LZ	17	466.7	23.8	
24	RK-	eL	01 19 30	LZ	23	89.4	70.7	
24	JE-	eL	01 29 25	LZ	20	124.9	86.0	
24	MN-	eP	01 04 38.6	SZ	0.3	8.0	.6	
		eS	04 48	SR	0.3	9.3		
24	MN-	eP	01 46 41.0	SZ	0.3	.5	5.6	
		eS	47 46	SR	0.3	9.9		
24	MN-	eP	02 02 56.3	SZ	0.3	8.9	.1	
		eS	03 00	SR	0.3	9999.9		
		eP	03 11 57.8	SZ	0.3	.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	12 01	SR	0.3	11.7		
24	AD-	eP	05 50 31.0	SZ	0.3	32.3	4.3	
		eS	51 20	SR	0.4	36.2		
24	RK-	eP	06 03 55.5	SZ	0.6	6.3		
24	LC-	eP	06 30 31.3	SZ	1.5	35.1		
24	RK-	eP	06 31 42.3	SZ	0.4	2.6	4.4	
		eS	32 13	SR	0.5	22.4		
24	AD-	eP	06 33 00.2	SZ	0.3	50.8	2.1	
		eS	33 25	SR	0.3	108.0		

24 06 37 46.* 44.5 N 129.5 W OFF COAST OF OREGON
H= 33 KM MAG 4.50 CGS

24 06 44 38.* 44.4 N 130.0 W OFF COAST OF OREGON
H= 33 KM MAG 4.70 CGS

24	MN-	eP	06 47 12.0	SZ	1.0	4.1	10.7	4.64
		eP	47 15	LZ	11	333.5		
		eS	48 42	LT	15	976.8		
		eLQ	49 32	LT	37	2780.4		
		eL	50 12	ST	7.0	2301.7		
		eLR	50 20	LZ	20	2549.5		
24	LC-	eP	06 49 30	LZ	12	150.0	21.8	
		eS	53 32	LT	19	2661.1		
		eLQ	55 40	LR	40	502.7		
		eLR	56 10	LZ	26	9999.9		
24	RK-	eP	06 50 02.0	SZ	1.1	12.4	25.1	4.45
		eP	50 03	LZ	15	198.2		
		eS	54 25	LR	18	954.1		
		eLQ	57 20	LR	32	1610.1		
		eLR	57 55	LZ	21	1943.3		
24	DH-	e	06 53 10	LZ	13	358.2	39.5	
		e	07 01 05	LZ	20	241.1		
		eLQ	03 58	LZ	35	636.1		
		eLR	06 32	LZ	25	1058.4		
24	JE-	e	06 56 45	LZ	27	162.9	32.2	
		eL	07 01 10	LT	21	2507.8		
							AVG.	4.54

24 06 51 01.9 38.8 N 71.0 E AFGHANISTAN USSR BORDER REG.
H= 57 KM MAG 5.10 CGS

24	MN-	eP	07 00 42.4	SZ	0.3	14.8	.1	
		eS	00 46	SR	0.3	21.7		
24	AD-	eP	07 21 24.2	SZ	0.3	13.8	1.5	
		eS	21 44	SR	0.3	56.3		

24 07 51 31.* 60.9 N 146.7 W SOUTHERN ALASKA
H= 33 KM MAG 3.70 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	AD-	eL	07 59 15	LZ	15.	338.2	18.7	
24	08 46 25.		24.8 N 122.1 E TAIWAN REGION					
			H= 63 KM MAG 5.30 CGS					
24	MN-	eP	08 59 45.3	SZ	0.8	5.9	95.5	5.12
24	AD-	eL	09 12 15	LZ	35	363.3	53.2	
24	MN-	eP	08 56 31.7	SZ	999.9	9999.9	.1	
		eS	56 35	SR	0.5	15.5		
24	09 51 27.3		19.1 S 169.7 E NEW HEBRIDES ISLANDS					
			H= 33 KM					
24	AD-	eL	10 23 40	LZ	28.	306.1	71.7	
24	MN-	eL	10 31 45	LZ	25	290.2	88.5	
24	LC-	eL	10 37 08	LZ	25	110.0	106.6	
24	LC-	eL	10 37 08	LZ	25	110.0	94.9	
24	JE-	eL	10 41 35	LZ	33	128.8	106.6	
24	RK-	eL	10 41 50	LZ	35	213.0	108.7	
24	MN-	eP	10 53 57.0	SZ	0.4	.5	.9	
		eS	54 11	SR	0.4	8.5		
24	LC-	eL	11 52 00	LZ	18	228.4		
24	RK-	eP	12 51 33.3	SZ	0.3	1.8	2.8	
		eS	52 07	SR	0.3	51.2		
24	MN-	eP	13 18 22.0	SZ	0.3	8.3	.1	
		eS	18 25	ST	0.4	10.4		
24	13 46 19.1		55.8 N 160.4 E KAMCHATKA					
			H= 33 KM MAG 5.00 CGS					
24	MN-	eP	13 55 48.0	SZ	0.8	4.9	54.8	4.59
24	LC-	eP	13 57 05.0	SZ	0.8	2.9	65.5	4.47
							AVG.	4.53
24	NP-	eP	15 16 50.0	SZ	0.5	5.5		
24	RK-	eP	17 04 37.0	SZ	0.3	3.6	4.4	
		eS	05 28	SR	0.5	50.4		
24	DH-	eP	17 05 54.5	SZ	0.4	12.3	1.5	
		eS	06 15	SR	0.4	33.0		
24	MN-	eP	17 19 04.0	SZ	0.4	1.4	1.0	
		eS	19 14	SR	0.4	1.7		
24	18 38 25.7		66. N 145.5 E EASTERN SIBERIA					
			H= 33 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	AD-	eL	18 47 45	LZ	20.	118.0	23.6	
24	MN-	eP	18 48 17.7	SZ	1.0	5.8	58.0	4.57
24	LC-	eP	18 49 21.0	SZ	0.9	3.0	67.7	4.41
							AVG.	4.49
24	NP-	eP	18 39 21.3	SZ	0.8	11.7		
24	RK-	eP	18 49 54.0	SZ	0.7	5.0		
24	LC-	eP	19 30 21.0	SZ	0.6	4.5	2.5	
		eS	30 53	ST	0.4	7.6		
24	LC-	eP	20 02 56.6	SZ	0.3	15.6	1.4	
		eS	03 17	SR	0.4	12.5		
		eP	05 13.8	SZ	0.3	14.2		
		eS	05 33	SR	0.3	26.0		
		eP	09 32.8	SZ	0.3	4.9		
		eS	09 52	SR	0.3	8.2		
24	MN-	eP	21 27 47.5	SZ	0.4	2.8	.1	
		eS	27 51	SR	0.4	10.2		
24	22 04 57.5		4.5 S 152.9 E NEW BRITAIN REGION					
			H= 49 KM MAG 5.80 CGS					
24	22 05 24.*		12.6 S 167.5 E SANTA CRUZ ISLANDS					
			H=162 KM					
24	MN-	eP	22 28 23.5	SZ	0.6	2.0	2.6	
		eS	28 56	SR	0.4	1.9		
24	MN-	eP	22 40 45.7	SZ	0.3	5.9	2.9	
		eS	41 22	SR	0.5	7.1		
25	02 09 29.*		34. N 136.6 E SOUTHERN HONSHU, JAPAN					
			H=393 KM MAG 4.10 CGS					
25	MN-	eP	03 28 56.5	SZ	0.3	.5		
25	03 43 20.		5. N 82.5 W SOUTH OF PANAMA					
			H= 33 KM MAG 5.10 CGS					
25	LC-	eP	03 50 15.0	SZ	1.0	18.9	35.4	4.95
		e	50 36	SZ	1.5	11.7		
25	MN-	eP	03 51 46.7	SZ	1.3	14.4	46.4	4.81
		eL	04 06 07	LZ	28	339.6		
25	JE-	e	03 54 15	LZ	24	151.4	28.1	
		eL	57 10	LZ	25	215.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	RK-	eL	04 09 35	LZ	23.	139.9	46.6	
							AVG.	4.88
25	06 25 48.6		2. S 77.2 W ECUADOR					
			H=160 KM MAG 5.30 CGS					
25	JE-	eP	06 32 37	LZ	12.	398.7	36.4	
		eL	38 10	LZ	23	120.3		
25	LC-	eP	06 33 43.2	SZ	0.8	31.2	44.1	4.91
		eP	33 50	LZ	25	88.1		
		e	38 06	LT	27	61.1		
		eSCP	39 03	SZ	1.2	64.4		
		eS	40 03	LT	23	268.8		
		eS	40 03	LR	23	366.9		
		eS	40 04	ST	1.3	9.9		
		e	41 10	LT	25	275.0		
		eSCS	43 29	LT	24	343.1		
		eLQ	44 46	LT	25	387.3		
		eLR	48 08	LZ	38	430.5		
25	RK-	eP	06 34 59.0	SZ	0.9	97.1	54.5	5.59
		eP	35 00	LZ	25	47.7		
		eSCP	39 46	SZ	1.0	12.6		
		eS	42 21	SR	1.0	16.9		
		eS	42 22	LT	25	241.9		
		eL	46 10	LT	23	165.5		
25	MN-	eP	06 35 06.5	SZ	1.3	32.0	55.2	4.96
		e	35 40	LZ	25	69.2		
		e	35 43	SZ	1.8	75.3		
		eSCP	39 50	SZ	1.0	9.1		
		eS	42 40	LT	21	271.1		
		e	48 15	LZ	30	226.0		
		eL	53 40	LZ	38	221.8		
25	NP-	eP	06 37 50.3	SZ	1.1	192.5	81.7	5.78
							AVG.	5.31
25	AD-	eP	07 02 30.2	SZ	0.2	24.6	1.9	
		eS	02 56	ST	0.2	37.1		
25	07 59 58.8		73.5 N 53.7 E NOVAYA ZEMLYA					
			H= KM MAG 4.90 CGS					
25	NP-	eP	08 06 14.0	SZ	0.6	48.7	30.4	5.55
25	RK-	eP	08 09 25.8	SZ	0.6	44.3	54.0	5.67
25	LC-	eP	08 11 35.5	SZ	0.9	7.6	73.5	4.78
							AVG.	5.33

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MN-	eP	09 51 37.5	SZ	0.3	5.3	.1	
		eS	51 41	ST	0.3	11.7		
25	10 01 48.*		15.3 S 173.3 W TONGA ISLANDS					
			H= 33 KM MAG 5.00 CGS					
25	MN-	eP	10 13 24.2	SZ	1.1	9.2	74.3	4.66
		eL	35 35	LZ	25	121.1		
25	LC-	eP	10 13 54.0	SZ	0.7	9.9	79.5	4.85
25	AD-	eL	10 32 30	LZ	25	160.0	67.0	
25	JE-	eL	10 46 06	LZ	20	62.1	90.7	
25	RK-	eL	10 47 20	LZ	25	71.5	95.3	
							AVG.	4.75
25	MN-	eP	11 39 47.3	SZ	0.5	9999.9		
25	MN-	eP	11 51 50.5	SZ	0.3	6.8	.1	
25	12 08 46.9		21.7 S 179.2 W FIJI ISLANDS REGION					
			H=534 KM MAG 5.50 CGS					
25	AD-	eP	12 19 23.2	SZ	0.5	107.2	73.3	5.63
25	MN-	eP	12 20 16.3	SZ	1.1	54.5	82.8	5.00
25	LC-	eP	12 20 40.8	SZ	0.9	18.4	87.8	4.84
		epP	22 54	SZ	1.0	3.9		
							AVG.	5.15
25	NP-	eP	13 54 54.0	SZ	1.3	43.9		
25	MN-	eP	17 52 45.2	SZ	999.9	9999.9		
25	MN-	eP	18 03 42.5	SZ	0.3	.8	.1	
		eS	03 46	SR	0.3	9.3		
		eP	23 32.0	SZ	0.3	5.9		
		eS	23 36	SR	0.3	9.9		
25	LC-	eP	20 17 18.6	SZ	0.2	6.1	.4	
		eS	17 26	ST	0.2	4.9		
25	MN-	eP	20 50 49.3	SZ	0.3	.8	.6	
		eS	50 58	SR	0.3	24.6		
25	22 56 08.*		38.7 N 70.8 E AFGHANISTAN USSR BORDER REG.					
			H= 33 KM MAG 5.00 CGS					
25	NP-	eP	23 06 47.4	SZ	1.0	59.0	65.1	5.67
25	22 56 32.8		2. S 79.0 W ECUADOR					
			H= 57 KM MAG 5.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	JE-	eP	23 03 23	LZ	10.	257.2	35.8	
		eL	11 30	LZ	20	93.1		
25	LC-	eP	23 04 29.7	SZ	0.7	19.3	43.1	4.94
		e	04 38	SZ	0.9	31.4		
		eS	10 50	LR	26	191.8		
		eL	14 10	LZ	20	427.0		
25	DH-	eP	23 04 33.5	SZ	0.7	26.3	44.2	5.09
		eP	04 35	LZ	14	157.6		
		eS	11 15	LR	18	299.4		
		eL	14 35	LR	35	689.1		
25	MN-	eP	23 05 54.5	SZ	0.9	21.7	54.0	5.18
		eS	13 35	LT	22	223.5		
		eL	21 15	LT	35	958.6		
25	RK-	ePCP	23 06 53	LZ	16	91.7	54.1	
		eS	13 25	LR	15	266.8		
		eL	20 50	LR	40	628.1		
							AVG.	5.07

26 00 55 22.3 8.9 N 83.9 W COSTA RICA
H= 33 KM MAG 4.70 CGS

26	LC-	eP	01 01 40.0	SZ	1.1	6.1	31.4	4.38
		eLQ	09 10	LR	30	176.9		
		eLR	14 15	LT	27	463.1		
26	RK-	eP	01 03 15.5	SZ	1.0	5.0	42.6	4.21
		e	13 05	LZ	20	116.9		
		eLQ	17 35	LR	23	125.7		
		eLR	20 30	LR	20	259.6		
26	MN-	eP	01 03 18.0	SZ	0.7	23.6	42.6	5.04
		eL	17 45	LT	28	328.6		
26	JE-	e	01 05 05	LZ	23	240.6	24.0	
		eLR	08 10	LZ	27	453.4		
26	NP-	eP	01 06 31.5	SZ	0.7	4.8	70.0	4.65
26	DH-	eLQ	01 10 24	LR	36	1323.2	34.1	
		eLR	15 10	LZ	19	331.7		
							AVG.	4.57

26 01 29 21.1 32.9 N 49.2 E WESTERN IRAN
H= 33 KM

26 04 05 37. 49.1 S 163.7 E AUCKLAND ISLANDS REGION
H= 33 KM

26 08 12 10.* 6.8 N 73.1 W NORTHERN COLOMBIA
H=165 KM MAG 3.80 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

26 08 49 56.* 7.9 N 37.6 W CENTRAL MID ATLANTIC RIDGE
H= 33 KM MAG 4.30 CGS

26	JE-	eLR	09 17 15	LZ	22.	120.3	55.8	
26	LC-	eLR	09 26 00	LZ	25	34.6	68.1	
26	LC-	eL	11 54 30	LZ	20.	46.6		
26	DH-	eP	13 46 03.5	SZ	0.4	4.7	1.6	
		eS	46 25	SR	0.4	19.6		

26 14 22 57.8 2.2 N 126.8 E MOLUCCA PASSAGE
H= 48 KM MAG 6.00 CGS

26	NP-	eP	14 36 10.0	SZ	0.7	10.8	93.4	5.34
26	MN-	ePD	14 37 18	SZ	1.0	1.6	108.0	
		eLR	15 12 40	LZ	33	1168.1		
26	RK-	eP'	14 41 39.0	SZ	0.7	7.4	116.9	
		ePP	42 50	LZ	20	93.5		
		ePKS	45 00	LR	15	139.4		
		e	50 10	LT	19	173.6		
		eLR	15 24 30	LZ	26	1019.3		
26	LC-	eP'	14 41 48.0	SZ	1.0	8.9	118.9	
		eSKP	45 08	LZ	23	79.1		
		eSKS	48 28	LR	20	96.2		
		e	54 55	LR	25	256.4		
		eLQ	15 19 50	LR	27	150.6		
		eLR	22 15	LZ	28	441.3		
26	AD-	eLR	14 54 40	LZ	26	1343.7	68.2	
26	JE-	eLQ	15 01 45	LT	23	1421.3	77.5	
		eLR	04 00	LZ	27	259.0		
26	DH-	eLR	15 31 43	LZ	27	601.5	131.6	

26 14 32 49.3 56.8 N 152.3 W KODIAK ISLANDS REGION
H= 33 KM MAG 5.00 CGS

26	NP-	eP	14 37 53.5	SZ	1.0	14.8	22.9	4.40
26	MN-	eP	14 38 48.0	SZ	1.0	8.3	29.0	4.45
		eLR	46 55	LZ	19	281.5		
26	RK-	eP	14 39 34.5	SZ	1.0	7.5	34.2	4.55
		eL	52 50	LT	20	479.0		
26	LC-	eP	14 40 23.0	SZ	1.0	3.9	39.6	4.08
		eP	40 24	LZ	15	58.5		
		eLQ	51 30	LT	20	114.8		
		eLR	56 45	LZ	22	175.2		
26	AD-	eL	14 41 50	LZ	25	543.8	15.0	
26	DH-	eLR	15 00 25	LR	21	266.2	49.6	
26	JE-	eLQ	15 01 45	LT	23	1421.3	47.9	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	04 00	LZ	27.	2596.6		
							AVG.	4.37
26		15 09 09.3	17.8 S 66.0 W BOLIVIA					
			H=204 KM MAG 4.40 CGS					
26		15 16 47.7	42.9 N 94.4 E N. SINKIANG PROVINCE, CHINA					
			H= 33 KM MAG 5.30 CGS					
26	NP-	eP	15 26 45.5	SZ	0.7	8.1	59.2	4.87
26	JE-	eL	15 22 30	LZ	32.	484.7		
26		17 08 47.*	31.7 N 113.6 W GULF OF CALIFORNIA					
			H= 33 KM MAG 4.20 CGS					
26	LC-	eP	17 10 16.0	SZ	0.5	3.7	6.0	4.28
		eL	12 01	SZ	0.8	4.7		
		eLR	12 20	LZ	15	317.6		
26	MN-	eP	17 10 48.5	SZ	1.0	2.5	7.7	4.15
		eL	12 50	LT	16	178.4		
		eL	13 03	ST	1.5	9.4		
26	RK-	eP	17 14 07.5	SZ	0.9	7.6	24.2	4.23
		e	18 11	SZ	1.0	7.5		
							AVG.	4.22
26	LC-	eL	17 16 29	SZ	1.0	9.9		
26	LC-	eL	17 16 30	LZ	15	309.2		
26	DH-	eP	17 20 03.5	SZ	0.4	5.9	1.5	
		eS	20 23	SR	0.4	19.6		
26	LC-	eP	17 22 26.0	SZ	0.7	1.9		
26	LC-	eL	17 24 24	SZ	0.8	4.1		
26	LC-	eL	17 24 25	LZ	15	501.4		
26	DH-	eP	19 30 16.5	SZ	0.3	27.8	1.8	
		eS	30 40	SR	0.3	34.9		
26	DH-	eP	19 45 21.5	SZ	0.3	3.0	3.4	
		eS	46 06	ST	0.3	6.7		
26	MN-	eP	19 58 29.5	SZ	0.2	9.1	.9	
		eS	58 42	ST	0.4	9.4		
26		20 07 43.*	24. N 123.4 E SOUTHWESTERN RYUKYU ISLANDS					
			H= 33 KM MAG 4.70 CGS					
26	NP-	eP	20 19 10.5	SZ	0.7	8.1	73.0	4.87
26	DH-	eP	21 12 41.5	SZ	0.4	8.9	.1	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	12 44	ST	0.4	29.2		
26	LC-	eP	21 19 28.0	SZ	0.3	2.1	3.0	
		eS	20 06	SR	0.3	5.1		
26		21 29 26.*	37.1 N 141.9 E NEAR E. COAST HONSHU, JAPAN					
			H= 55 KM MAG 3.80 CGS					
26	NP-	eP	23 55 16.5	SZ	0.4	2.6		
27	MN-	eP	00 28 16.0	SZ	0.4	3.7	1.3	
		eS	28 34	SR	0.4	11.3		
27		00 32 22.*	40.1 N 121.7 W NORTHERN CALIFORNIA					
			H= 14 KM MAG 4.40 CGS					
27	MN-	eP	00 33 15.0	SZ	0.6	4.8	3.2	3.71
27	MN-	eP	00 43 16.0	SZ	0.6	1.0		
27	AD-	eP	01 48 13.4	SZ	0.3	40.8	1.7	
		eS	48 32	SR	0.3	117.3		
27		01 52 22.*	28.4 N 128.8 E RYUKYU ISLANDS					
			H= 33 KM MAG 4.30 CGS					
27	AD-	eP	02 03 39.3	SZ	0.3	72.7	.9	
		eS	03 51	ST	0.3	216.7		
27		02 40 20.9	18.9 N 120.9 E LUZON, PHILIPPINE ISLANDS					
			H= 56 KM MAG 4.50 CGS					
27	MN-	eLR	03 27 30	LZ	27.	142.0	100.6	
27		06 12 48.8	20.8 S 71.4 W OFF COAST OF NORTHERN CHILE					
			H= 8 KM MAG 4.40 CGS					
27		12 44 27.*	57.7 N 152.1 W KODIAK ISLAND REGION					
			H= 33 KM MAG 3.90 CGS					
27	DH-	eP	15 16 16.2	SZ	0.4	11.5	1.5	
		eS	16 37	SR	0.4	34.5		
27	DH-	eP	18 15 27.5	SZ	0.4	5.7	1.7	
		eS	15 50	SR	0.4	11.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	MN-	eP	18 16 08.5	SZ	0.3	1.1	.6	
		eS	16 22	ST	0.3	14.3		
27	19 03 14.9		59.6 N 144.4 W GULF OF ALASKA					
			H= 33 KM MAG 4.70 CGS					
27	19 46 12.		47.8 N 16.1 E AUSTRIA					
			H= 39 KM MAG 5.60 CGS					
27	LC-	eP	19 58 49.5	SZ	1.0	3.9	85.1	4.48
		eL	20 22 45	LR	20	210.1		
27	RK-	eL	20 15 15	LZ	22	90.2	64.8	
27	DH-	eLR	20 15 30	LZ	30	229.0	60.9	
27	JE-	eLR	20 28 25	LZ	23	272.4	78.0	
27	20 00 35.*		27.6 S 176.8 W KERMADEC ISLANDS					
			H=168 KM MAG 4.50 CGS					
27	AD-	eL	20 36 45	LZ	21.	451.9	79.1	
27	LC-	eP	20 14 59.2	SZ	999.9	9999.9	1.5	
		eS	15 13	ST	999.9	9999.9		
		eP	20 34.7	SZ	0.3	8.9		
		eS	20 55	ST	0.3	6.8		
27	21 24 31.2		45.6 S 96.1 E SOUTHEAST INDIAN RISE					
			H= 33 KM					
27	NP-	eP'1	21 44 06.0	SZ	0.5	1.8	145.9	
27	MN-	eP'1	21 44 21.2	SZ	1.0	3.3	153.7	
		e	58 35	LZ	22	280.3		
		e	22 08 45	LZ	20	817.0		
		eL	36 10	LZ	45	9999.9		
27	LC-	eP'1	21 44 31.0	SZ	2.0	12.4	158.1	
		eLQ	22 31 45	LR	45	3235.3		
		eLR	39 00	LZ	40	2789.1		
27	RK-	eP'1	21 44 48	LZ	22	203.0	171.6	
		ePP	49 55	LZ	20	232.8		
		eSS	22 11 03	LT	30	718.1		
		eLR	50 40	LZ	25	4985.0		
27	DH-	eP'1	21 44 50	LZ	17	150.9	172.7	
		eSKKS	56 45	LR	17	233.9		
		e	57 50	LR	17	311.8		
		eSS	22 11 00	LR	22	1494.4		
		e	15 35	LR	35	2992.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	21 25	LR	30.	2051.2		
		eLR	44 45	LZ	32	3335.5		
27	JE-	eP'2	21 45 30	LZ	17	217.9	164.8	
		ePP	49 18	LZ	15	626.4		
		eSSP	22 10 57	LZ	20	687.3		
		e	16 02	LT	22	1656.9		
		e	18 00	LT	32	4712.0		
		eL	43 05	LZ	27	586.5		
		eLR	47 30	LZ	27	2150.7		
27	AD-	e	21 53 47	LZ	16	205.3	122.5	
		eP'P'	22 02 05	LZ	20	276.8		
		e	19 55	LZ	25	823.2		
		eLR	24 40	LZ	30	2985.7		
27	MN-	eP	22 24 11.7	SZ	0.6	1.7		
27	22 36 18.*		58.5 S 66.2 W DRAKE PASSAGE					
			H= 33 KM MAG 5.40 CGS					
27	NP-	eP'	22 55 39.2	SZ	0.5	5.5	138.7	
28	00 22 07.3		29.6 S 70.7 W CENTRAL CHILE					
			H= 45 KM MAG 4.90 CGS					
28	LC-	eP	00 33 18.5	SZ	1.0	18.7	70.4	5.04
		e	33 36	SZ	1.0	6.8		
28	MN-	eP	00 34 18.5	SZ	1.1	7.2	80.9	4.52
28	RK-	eP	00 34 26.0	SZ	0.7	21.3	82.6	5.31
		e	34 43	SZ	0.9	31.0		
							AVG.	4.95
28	00 41 48.2		47.9 N 16.2 E AUSTRIA					
			H= 33 KM					
28	01 34 54.5		17.7 N 94.2 W CHIAPAS. MEXICO					
			H=159 KM MAG 4.60 CGS					
28	JE-	eP	01 38 10.5	SZ	1.0	60.0	14.2	4.90
28	LC-	eP	01 38 59.0	SZ	0.6	7.8	18.4	4.27
		eP	38 59	SZ	0.6	7.8		4.27
28	DH-	eP	01 40 46.0	SZ	0.5	12.4	29.5	4.88
28	RK-	eP	01 41 15.5	SZ	0.9	25.2	33.1	4.93
							AVG.	4.65

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	MN-	eP	01 41 16.0	SZ	1.0	7.5		
28	02 33 09.*		51.1 N 157.8 E NEAR EAST COAST OF KAMCHATKA H= 31 KM MAG 4.60 CGS					
28	03 07 07.3		13.4 S 72.6 W PERU H= 53 KM MAG 4.40 CGS					
28	AD-	eP	04 58 38.8	SZ	0.2	9999.9	.9	
		eS	58 52	SR	999.9	9999.9		
28	05 48 45.4		16.6 S 177.2 W FIJI ISLANDS REGION H= 33 KM MAG 4.80 CGS					
28	MN-	eP	06 00 41.5	SZ	1.4	15.8	77.8	4.86
		e	20 55	LR	33	575.3		
		eL	26 40	LZ	20	159.4		
28	LC-	eP	06 01 11.5	SZ	1.0	9.8	83.2	4.89
		e	23 10	LR	35	398.1		
		eL	27 00	LZ	34	234.9		
28	AD-	eL	06 20 00	LZ	25	777.4	68.2	
28	JE-	eL	06 33 20	LZ	30	227.5	94.6	
28	RK-	eL	06 36 20	LZ	25	69.5	98.7	
							AVG.	4.87
28	MN-	eP	06 44 18.0	SZ	0.5	1.2		
28	MN-	e	06 44 25	SZ	0.7	4.5		
28	MN-	eL	06 45 43	SR	0.6	3.7		
28	08 17 21.*		60.8 N 146.9 W SOUTHERN ALASKA H= 33 KM MAG 3.80 CGS					
28	09 26 02.		6.1 S 149.3 E NEW BRITAIN REGION H= 60 KM					
28	DH-	eP	12 27 08.5	SZ	0.5	9.3	1.5	
		eS	27 29	SR	0.4	23.0		
28	13 10 49.5		6.4 S 154.7 E SOLOMON ISLANDS H= 90 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	LC-	eL	13 57 30	LZ	30.	54.3	100.7	
28	DH-	eP	15 30 37.0	SZ	0.4	11.4	1.5	
		eS	30 57	SR	0.4	28.8		
28	MN-	eP	15 40 36.0	SZ	0.5	2.2	2.8	
		eS	41 12	SR	0.4	3.8		
28	MN-	eP	16 49 08.0	SZ	0.5	.9	3.3	
		eS	49 49	SR	0.4	1.3		
28	MN-	eP	17 34 33.5	SZ	0.4	3.1	.6	
		eS	34 42	SR	0.4	10.2		
28	18 24 56.6		6.8 S 155.1 E SOLOMON ISLANDS H= 85 KM MAG 4.80 CGS					
28	MN-	eP	18 37 56.0	SZ	1.0	3.3	91.6	4.59
28	AD-	eL	18 55 00	LZ	23	134.1	63.2	
28	LC-	eL	19 11 25	LZ	27	48.1	100.6	
28	RK-	eL	19 19 45	LZ	22	135.9	108.6	
28	18 56 40.5		44.3 N 149.3 E KURILE ISLANDS H= 19 KM MAG 4.90 CGS					
28	RK-	eP	19 14 02.0	SZ	0.4	.8	4.2	
		eS	14 51	SR	0.4	46.7		
28	19 35 15.8		36.1 N 71.3 E AFGHANISTAN USSR BORDER REG. H=130 KM MAG 5.50 CGS					
28	LC-	eP	20 12 10.5	SZ	0.4	1.6	3.0	
		eS	12 48	ST	0.5	10.7		
28	LC-	eP	20 44 19.0	SZ	0.2	8.4	1.3	
		eS	44 37	SR	0.2	6.0		
28	RK-	eP	21 30 50.5	SZ	0.4	2.6	2.3	
		eS	31 21	SR	0.5	19.5		
28	MN-	eP	22 31 04.0	SZ	0.2	.4	3.1	
		e	31 12	SZ	0.6	6.2		
		eS	31 44	SR	0.5	6.3		
28	MN-	eP	22 33 03.5	SZ	0.4	2.5	1.0	
		eS	33 17	SR	0.3	3.1		
28	22 59 40.5		47.8 N 16.1 E AUSTRIA H= 33 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	01	14 51.	52.7 N 168.7 W FOX ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.30 CGS					
29	AD-	eP	01 16 14.9	SZ	0.3	182.2	5.0	6.05
		eL	17 01	ST	0.7	128.5		
		eL	17 25	LT	19	1691.0		
29	LC-	eP	01 23 31.0	SZ	0.7	.9	48.4	3.94
							AVG.	4.99
29	04	28 03.7	47.6 N 16.1 E AUSTRIA					
			H= 33 KM					
29	04	36 01.*	43.4 N 19.7 E YUGOSLAVIA					
			H= 33 KM					
29	AD-	eP	06 01 35.4	SZ	0.2	66.8	.8	
		eS	01 46	SR	0.3	62.2		
29	MN-	eP	06 43 10.0	SZ	0.2	9999.9	.6	
		eS	43 19	SR	0.3	15.5		
29	06	51 46.*	13.4 S 166.6 E NEW HEBRIDES ISLANDS					
			H= 43 KM MAG 4.90 CGS					
29	AD-	eL	07 22 40	LZ	27.	288.8	66.6	
29	LC-	e	07 23 08	LT	20	65.8	94.4	
		eL	35 00	LZ	28	119.9		
		eL	36 25	LT	25	94.9		
		eL	36 25	LR	27	85.2		
		eL	36 25	LZ	26	124.3		
29	JR-	eL	07 33 25	LZ	27	154.3	90.6	
29	RK-	eL	07 43 30	LZ	28	75.8	106.4	
29	MN-	eP	07 52 40.0	SZ	0.2	4.7	1.0	
		eS	52 54	ST	0.3	7.9		
29	MN-	eP	08 13 46.2	SZ	1.0	5.0		
29	AD-	eP	08 25 59.2	SZ	0.2	18.2	2.7	
		eS	26 18	SR	0.5	148.0		
29	AD-	eP	08 30 35.2	SZ	0.3	72.8	3.5	
		eS	31 19	SR	0.6	182.4		
29	12	21 53.*	13.2 N 88.5 W EL SALVADOR					
			H= 33 KM MAG 4.00 CGS					
29	JE-	eP	12 26 11.7	SZ	0.8	11.8	18.8	4.18

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	26 19	SZ	0.7	24.8		
29	LC-	eP	12 27 10.5	SZ	1.0	.9	25.3	3.39
							AVG.	3.78
29	13	30 44.*	26.3 N 96.7 E BURMA					
			H=170 KM MAG 4.70 CGS					
29	13	40 36.*	41.3 N 29.5 W AZORES ISLANDS REGION					
			H= 33 KM MAG 4.60 CGS					
29	LC-	eP	13 50 45.2	SZ	0.8	1.7	60.5	4.20
		eS	59 14	LT	15	51.4		
		eL	14 09 45	LZ	28	50.4		
		eL	13 30	LR	20	138.3		
		eL	13 30	LT	22	104.4		
		eL	13 30	LZ	25	138.9		
29	JR-	eP	13 51 13.6	SZ	1.0	6.8	63.0	4.67
29	MN-	eP	13 51 15.2	SZ	0.9	3.2	65.1	4.45
29	RK-	eL	14 02 05	LZ	30	110.0	44.2	
29	JE-	eL	14 05 30	LZ	27	163.9	50.2	
							AVG.	4.44
29	JR-	eP	18 45 22.5	SZ	0.4	18.1		
29	19	05 43.*	22.8 S 65.6 W JUJUY PROVINCE, ARGENTINA					
			H=127 KM MAG 4.40 CGS					
29	19	09 59.*	17.8 S 168.1 E NEW HEBRIDES ISLANDS					
			H= 33 KM MAG 4.40 CGS					
29	LC-	eP	19 57 35.0	SZ	0.2	9.0	1.4	
		eS	57 53	SR	0.3	8.1		
		eP	20 23 07.5	SZ	0.2	9.9		
		eS	23 25	SR	0.3	7.4		
29	LC-	eP	20 35 18.8	SZ	0.2	4.7	.5	
		eS	35 27	SR	0.3	6.4		
29	JR-	eP	21 19 05.8	SZ	0.5	4.3	4.4	
29	MN-	eP	21 19 11.0	SZ	0.3	.2	6.0	
29	JR-	eS	21 19 59	SR	0.5	29.2	4.4	
29	MN-	eL	21 20 22	SR	0.7	3.6	6.0	
29	MN-	eP	21 27 33.5	SZ	0.2	5.9	.5	
		eS	27 41	SR	0.2	10.1		
29	LC-	eL	21 44 32	LZ	17	40.7		
29	JR-	eP	21 45 48.0	SZ	0.3	9999.9		
29	23	07 41.	6.9 S 143.6 E NEW GUINEA					
			H= 33 KM MAG 4.70 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	00 22 48.8		38.9 S 74.1 W OFF COAST OF CENTRAL CHILE					
			H= 33 KM MAG 4.70 CGS					
30	02 10 37.6		35. S 107.3 W EASTER ISLAND CORDILLERA					
			H= 33 KM MAG 4.80 CGS					
30	AD-	ePCPP	02 44 35	LZ	27.	429.2	105.6	
		eL	59 20	LZ	35	1336.8		
30	02 22 50.		32.6 S 69.9 W MENDOZA PROVINCE, ARGENTINA					
			H= 92 KM MAG 4.20 CGS					
30	02 53 40.8		12.1 S 65.7 E MID INDIAN RISE					
			H= 28 KM MAG 5.00 CGS					
30	MN-	eP	04 56 08.5	SZ	1.5	452.4		
30	AD-	eP	08 27 07.0	SZ	999.9	9999.9	.4	
		eS	27 14	SR	999.9	9999.9		
30	LC-	eP	10 29 01.0	SZ	0.6	1.2		
30	JR-	eP	12 19 30.0	SZ	0.6	7.6	3.9	
		eS	20 17	ST	0.6	13.2		
30	16 47 52.7		6.8 N 73.0 W NORTHERN COLOMBIA					
			H=146 KM MAG 4.50 CGS					
30	DH-	eP	16 54 37.0	SZ	0.6	14.8	35.3	4.95
30	LC-	eP	16 55 18.0	SZ	1.0	40.5	40.3	5.07
		epP	56 00	SZ	0.9	13.6		
30	RK-	eP	16 56 11.0	SZ	0.7	70.8	47.1	5.42
30	NP-	eP	16 59 12.5	SZ	0.6	25.1	73.9	5.18
							AVG.	5.15
30	17 13 13.8		56.6 N 152.2 W KODIAK ISLAND REGION					
			H= 33 KM MAG 5.10 CGS					
30	AD-	eP	17 16 59.0	SZ	1.0	189.8	15.0	5.48
		eS	19 16	SR	0.9	152.7		
		e	19 40	LZ	17	903.7		
		eL	21 00	LT	30	1814.5		
30	NP-	eP	17 18 18.0	SZ	0.6	6.2	23.1	4.26
30	RK-	eP	17 20 01.5	SZ	1.0	17.5	34.2	4.92
		eS	25 28	LR	18	121.4		
		eLQ	30 00	LR	20	391.2		
		eLR	33 10	LR	19	781.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	LC-	eP	17 20 44.0	SZ	1.0	4.9	39.5	4.18
		eP	20 45	LZ	20	34.9		
		ePCS	26 50	LR	16	273.0		
		eSS	29 50	LT	20	139.7		
		eLQ	32 30	LT	22	324.8		
		eLR	33 35	LZ	27	236.8		
		eL	36 35	LZ	17	690.3		
		eL	36 35	LR	16	583.8		
		eL	36 35	LT	15	133.4		
30	MN-	eS	17 24 10	LR	20	201.9	28.9	
		eL	27 15	LR	20	624.1		
30	JE-	e	17 26 20	LR	28	2309.7	47.9	
		eLQ	37 05	LR	23	1827.4		
		eLR	39 55	LZ	23	421.1		
30	JR-	eLQ	17 31 40	LT	20	373.6	34.8	
		eLR	32 30	LZ	20	216.8		
30	DH-	eLR	17 40 25	LR	20	540.1	49.6	
							AVG.	4.71
30	DH-	eP	17 13 25	LZ	35.	1214.1		
30	DH-	e	17 15 00	LZ	30	850.8		
30	LC-	eP	17 41 43.0	SZ	0.4	2.3	2.9	
		eS	42 20	ST	0.5	6.4		
30	MN-	eP	17 45 06.5	SZ	0.5	29.0	.8	
		eS	45 18	ST	0.5	36.4		
30	17 50 47.4		37.7 N 118.2 W CALIFORNIA-NEVADA BORDER					
			H= 20 KM MAG 4.10 CGS					
30	MN-	iP	17 51 00.2D	SZ	0.5	183.8	.7	
		eL	51 11	ST	0.5	328.1		
30	JR-	eP	17 52 29.0	SZ	0.6	12.7	5.8	4.78
		eL	53 47	ST	0.8	30.0		
30	MN-	eP	17 58 13.0	SZ	0.5	29.0	.8	
		eS	58 24	ST	0.5	36.4		
30	18 18 07.*		37.6 N 118.5 W CALIFORNIA-NEVADA BORDER					
			H= 20 KM MAG 3.80 CGS					
30	MN-	iP	18 18 23.5D	SZ	0.5	116.1	.9	
		eL	18 35	ST	0.5	173.1		
30	MN-	eP	18 27 53.5	SZ	0.5	19.3	1.0	
		eS	28 07	ST	0.6	40.4		
30	19 01 46.*		37.8 N 118.2 W CALIFORNIA-NEVADA BORDER					
			H= 20 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	MN-	eP	19 01 59.0	SZ	0.4	35.3	.6	
		eL	02 06	ST	0.4	74.9		
30	19 03 12.3		37.7 N 118.0 W CALIFORNIA-NEVADA BORDER					
			H= 20 KM MAG 4.40 CGS					
30	MN-	eP	19 03 26.6	SZ	0.4	397.8	.7	
		eL	03 38	ST	0.5	601.5		
		eL	03 40	LR	8	7081.3		
30	JR-	eP	19 04 39.0	SZ	0.8	18.0	5.6	4.77
		e	04 58	SZ	0.7	45.6		
		eL	06 15	SR	0.7	63.6		
		eLR	06 30	LZ	18	518.1		
30	LC-	eP	19 05 49.0	SZ	0.8	1.7	10.7	4.44
		eLQ	08 50	LT	16	734.1		
		eL	09 00	ST	2.5	74.5		
		eLR	09 50	LZ	17	487.3		
							AVG.	4.60
30	MN-	eP	19 14 32.0	SZ	0.4	26.5	.8	
		eS	14 43	ST	0.5	27.3		
		eP	19 57.0	SZ	0.4	8.8		
		eS	20 08	ST	0.5	36.4		
30	19 40 30.*		38. N 117.7 W CALIFORNIA-NEVADA BORDER					
			H= 20 KM					
30	MN-	eP	19 40 39.5	SZ	0.5	42.5	.6	
		eL	40 51	ST	0.5	54.6		
30	LC-	eP	19 50 39.0	SZ	999.9	9999.9	1.5	
		eS	50 59	ST	0.4	9999.9		
30	20 04 41.*		59.2 N 152.6 W SOUTHERN ALASKA					
			H= 33 KM MAG 4.10 CGS					
30	LC-	eP	20 50 54.5	SZ	0.3	9999.9	1.2	
		eS	51 12	ST	0.3	9999.9		
30	21 27 04.*		45.1 N 148.5 E KURILE ISLANDS					
			H= 21 KM MAG 4.30 CGS					
30	RK-	eP	21 30 46.0	SZ	0.4	3.7	2.2	
		eS	31 13	SR	0.3	9.5		
30	JR-	eP	21 56 15.0	SZ	0.5	6.9	2.8	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	56 51	ST	0.5	45.4		
30	AD-	eP	22 23 49.5	SZ	0.2	9999.9	.4	
		eS	23 56	SR	0.2	9999.9		
30	23 02 59.5		37.7 N 118.1 W CALIFORNIA-NEVADA BORDER					
			H= 20 KM MAG 4.10 CGS					
30	MN-	iP	23 03 12.9D	SZ	0.4	176.8	.7	
		eL	03 25	ST	0.5	273.4		
30	AD-	eP	23 15 04.0	SZ	0.5	19.1	3.0	
		eS	15 42	ST	0.4	38.5		
31	02 39 38.*		31.6 N 141.6 E SOUTH OF HONSHU, JAPAN					
			H= 41 KM MAG 4.40 CGS					
31	MN-	eP	05 01 48.2	SZ	0.5	57.7		
31	08 50 14.		14.4 S 173.0 W SAMOA ISLANDS REGION					
			H=235 KM MAG 4.10 CGS					
31	LC-	eP	09 01 53.4	SZ	0.8	4.6	78.7	4.29
31	MN-	eP	09 58 38.8	SZ	0.5	67.3		
31	MN-	eS	09 58 55	SR	0.6	200.7		
31	11 57 32.*		38.2 N 117.8 W NEVADA					
			H= 20 KM MAG 3.70 CGS					
31	12 13 27.5		38.2 S 74.1 W OFF COAST OF CENTRAL CHILE					
			H= 39 KM MAG 4.40 CGS					
31	13 36 44.*		55.4 N 160.4 E KAMCHATKA					
			H= 33 KM MAG 4.50 CGS					
31	14 59 35.6		27.7 N 55.7 E SOUTHERN IRAN					
			H= 39 KM					
31	18 54 28.6		8.8 N 126.6 E MINDANAO, PHILIPPINE ISLANDS					
			H= 69 KM MAG 5.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	NP-	eP	19 07 09.5	SZ	0.7	18.4	87.1	5.28
31	MN-	eL	19 46 50	LR	19	468.5	103.7	
31	LC-	eL	19 47 30	LZ	29	182.4	114.8	
31	RK-	eL	19 51 08	LZ	27	19.4	111.1	
31	JE-	eL	19 55 00	LZ	27	358.4	125.3	
31	LC-	eP	20 10 31.0	SZ	0.3	7.7	1.5	
		eS	10 49	SR	0.3	13.8		
31	LC-	eP	23 08 31.9	SZ	0.5	4.1	5.5	
		eS	09 37	SR	0.5	6.5		

Bulletin No. 35
November 1964

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. 35
November 1964

5 March 1965

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 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 these 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, Northwest Territory (NP-NT) and Jerome, Arizona (JR-AZ), 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 seven-element short-period vertical Benioff seismometer array is in operation at JR-AZ. 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. Three-component long-period seismograph systems are also in operation at JR-AZ and NP-NT.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by 14-channel Magnetic-Tape Recorders, Ampex Model 314. A 16-mm Film Develocorder, Geotech Model 4000C, is in operation at 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

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

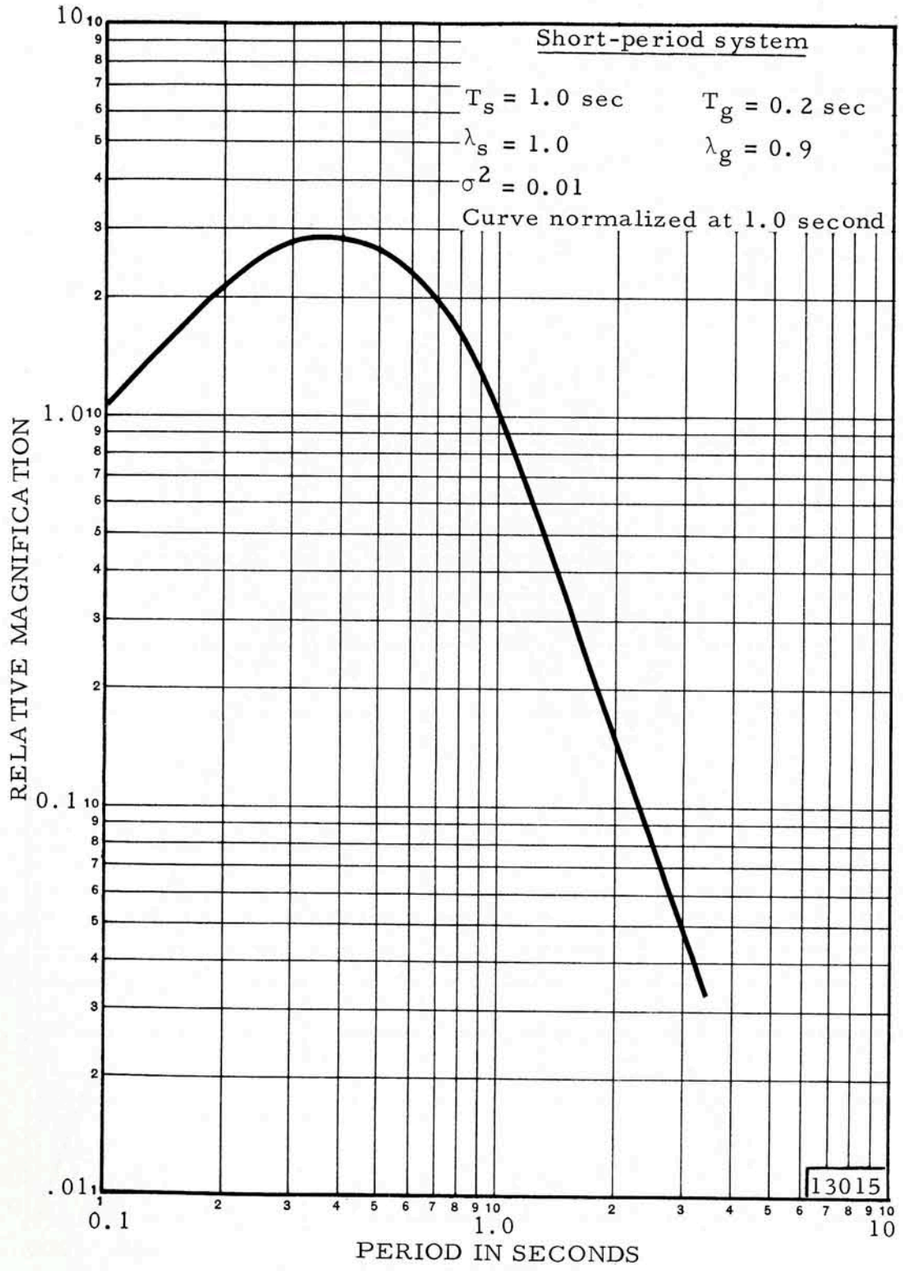


Figure 1. Frequency response of the Benioff short-period seismograph system

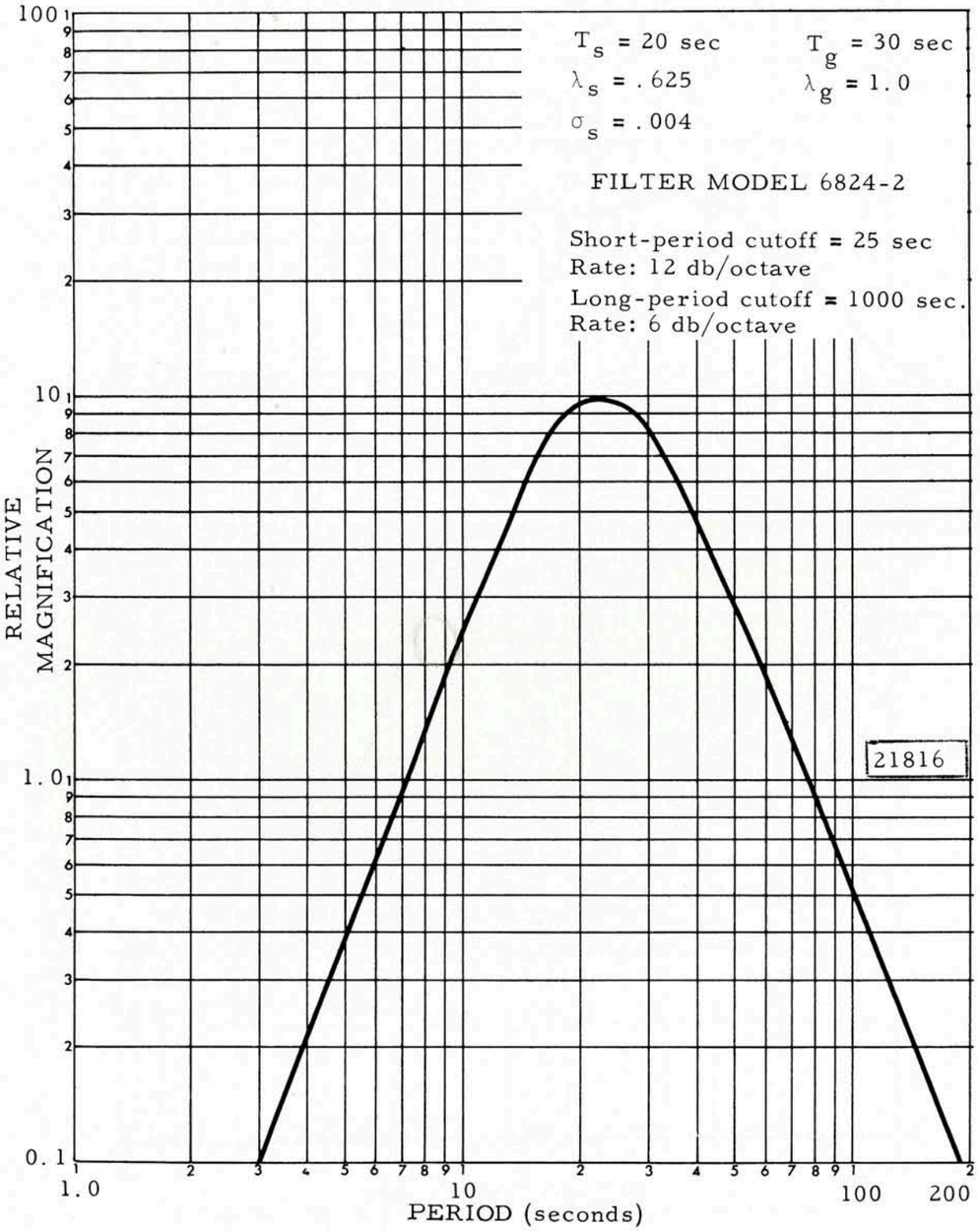


Figure 2. Frequency response of the Sprengnether long-period seismograph system

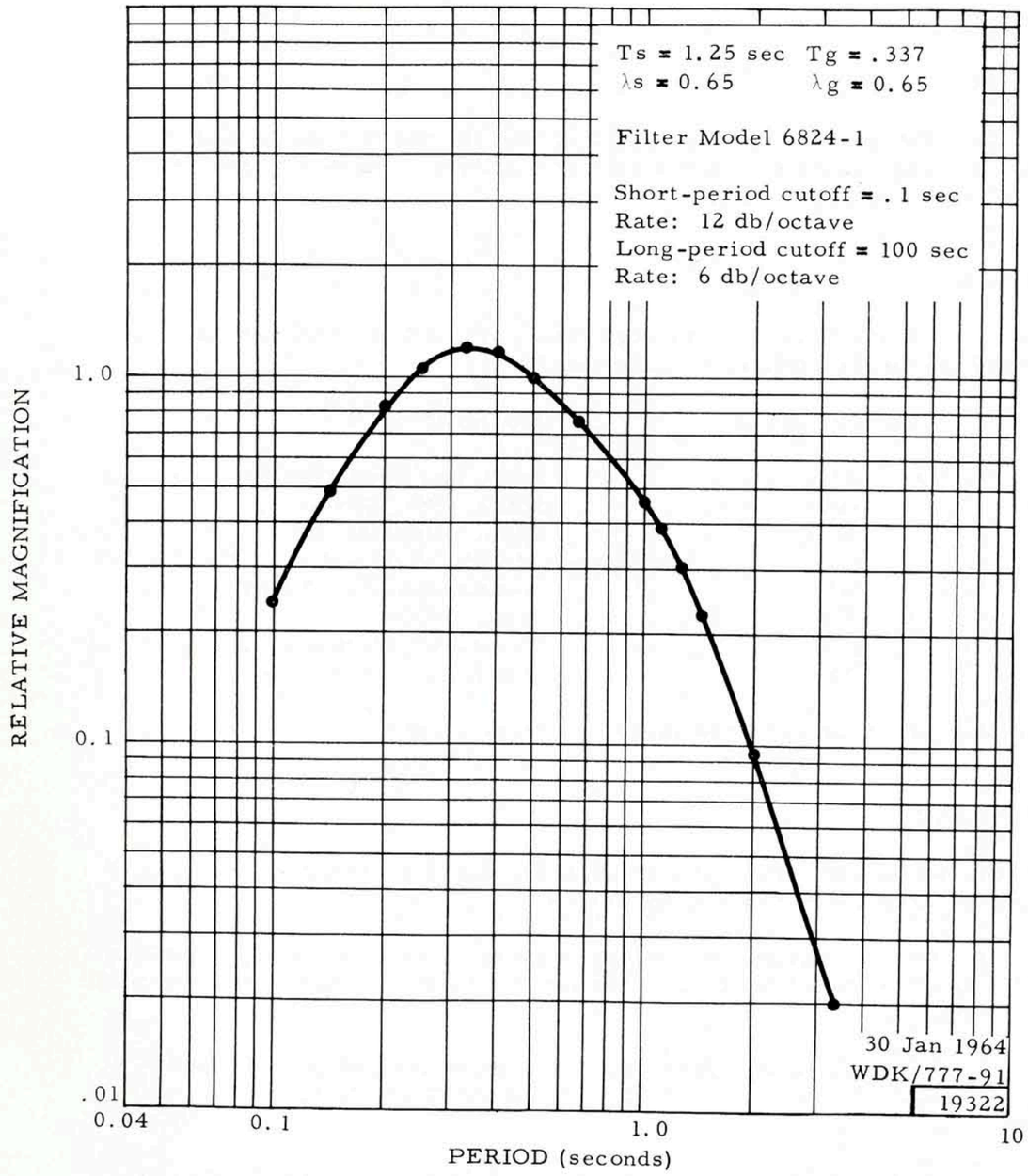


Figure 3. Frequency response of the Johnson-Matheson seismograph system

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 (GCT).

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 designator	Site location
AD-	Adak, Aleutian Islands
DH-	Delhi, New York
JE-	Jena, Louisiana
JR-	Jerome, Arizona
LC-	Las Cruces, New Mexico
MN-	Mina, Nevada
NP-	Mould Bay, Northwest Territory
RK-	Red Lake, Ontario

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.

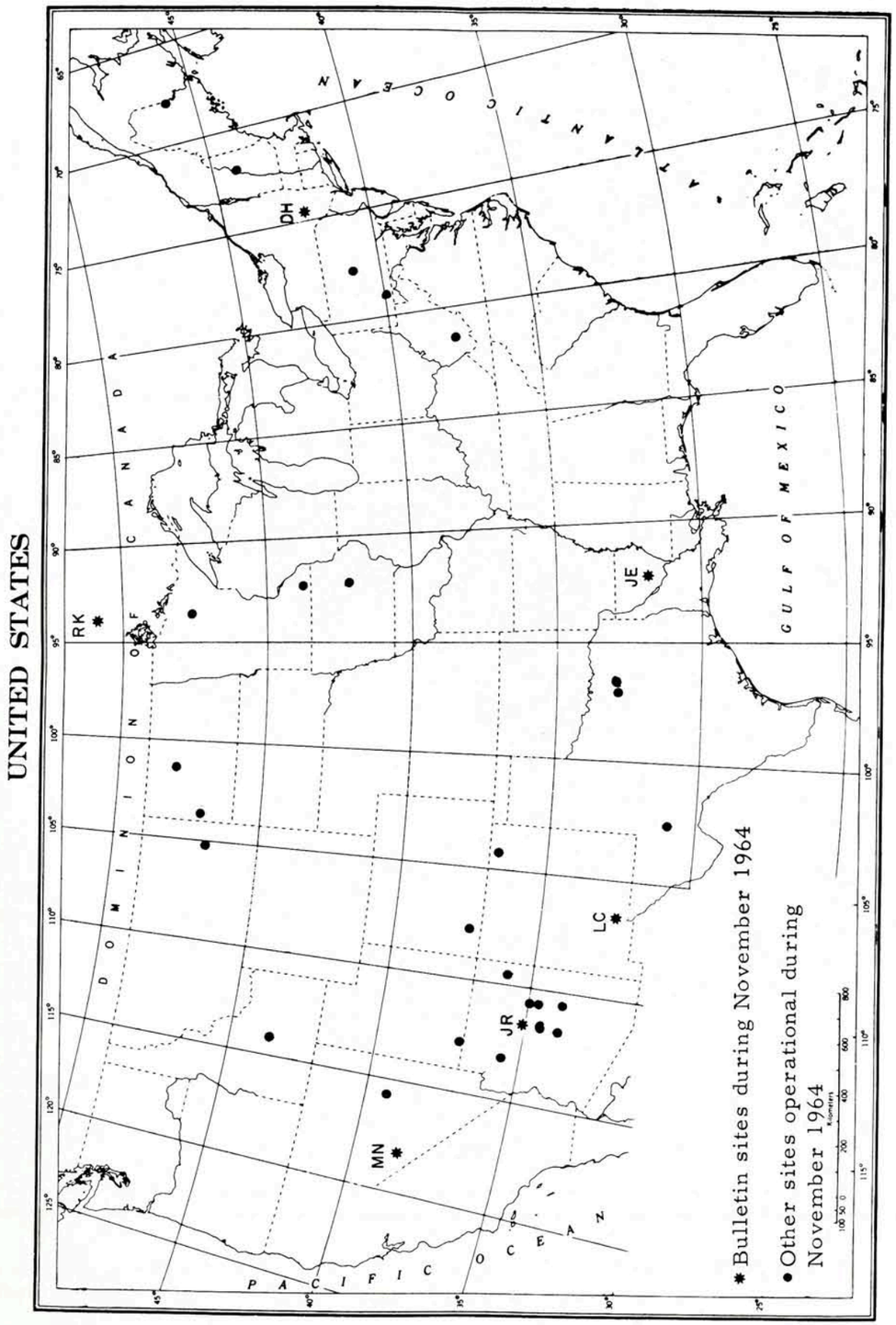


Figure 4. LRSM sites inside the continental United States and Canada during November 1964.

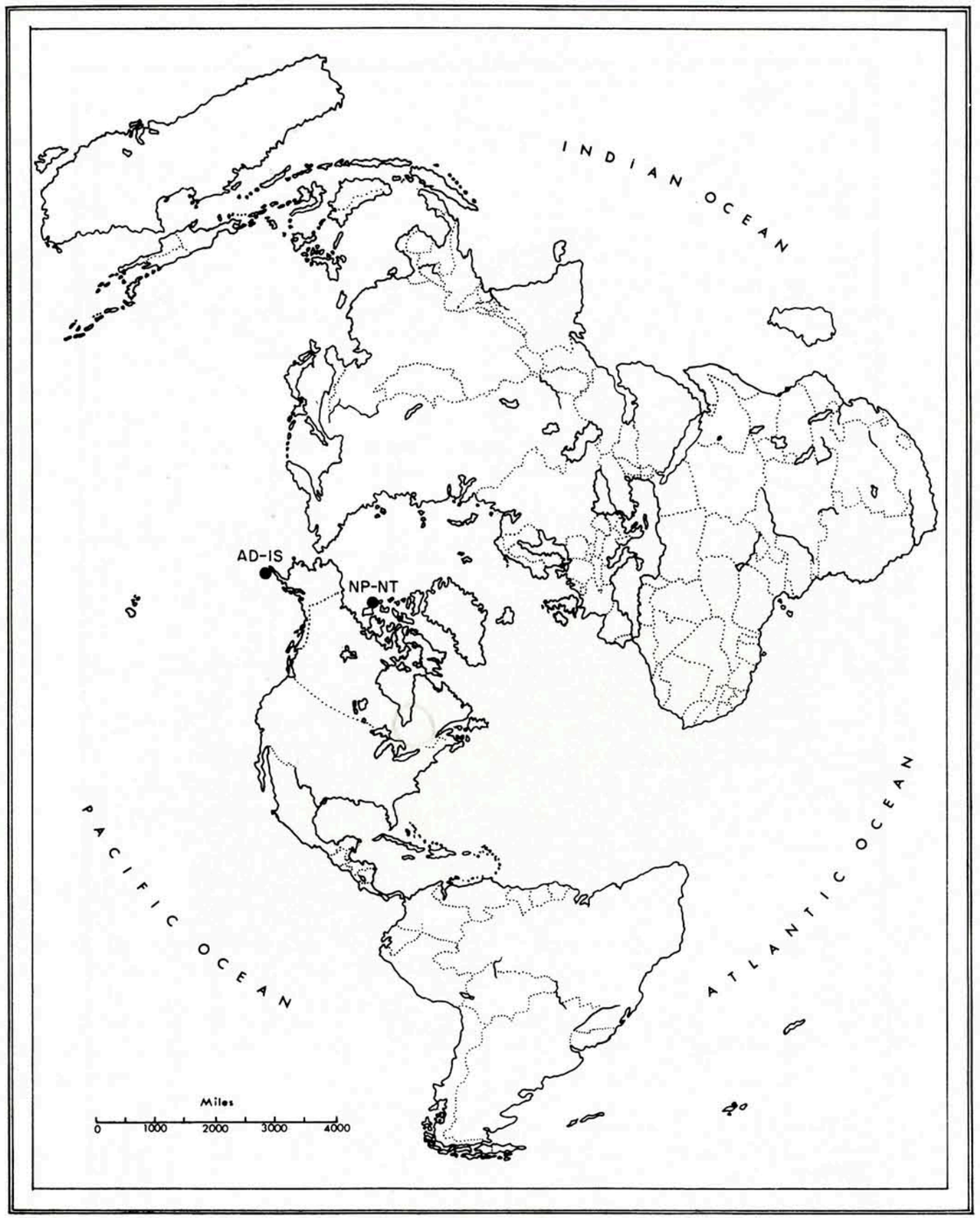


Figure 5. LRSM bulletin sites outside the continental United States during November 1964

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 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.

3.5 INST

The seismograph channel from which the data were taken. The symbols used to designate the seismograph channels are given as follows:

SZ	Short-period vertical
SR[1]	Short-period radial (horizontal)
ST[1]	Short-period transverse (horizontal)
LZ	Long-period vertical
LR[1]	Long-period radial (horizontal)
LT[1]	Long-period transverse (horizontal)

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. If the signal period recorded by a short-period instrument cannot be measured, the digits 999.9 appear in the period columns. The digits 999 appear in the period columns if the signal period recorded by a long-period instrument cannot be measured.

3.7 AMP

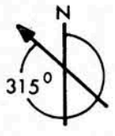
This column contains the amplitude of the phase given in millimicrons (mμ) or microns (μ) of ground displacement. All amplitudes are given in tenths of units. All amplitudes are corrected for instrument response and are

[1]Table 1 gives the instrument orientation of the horizontal seismometers.

Table 1. Bulletin site information

Site designator	Site location	Horizontal seismometer orientation (Azimuth from true north in degrees[1]) Radial	Transverse	Site coordinates in	deg,	min,	sec	Elevation in km	Rock type
AD-IS	Adak, Aleutian Islands	265	355	N	51	52	30	0.06	Basalt
				W	176	40	45		
DH-NY	Delhi, New York	095	185	N	42	14	39	0.65	Sandstone
				W	74	53	18		
JE-LA	Jena, Louisiana	112	202	N	31	47	05	0.05	Sandstone
				W	92	00	55		
JR-AZ	Jerome, Arizona	131	221	N	34	49	32	1.31	Limestone
				W	111	59	25		
LC-NM	Las Cruces, New Mexico	124	214	N	32	24	08	1.59	Limestone
				W	106	35	58		
MN-NV	Mina, Nevada	308	038	N	38	26	10	1.52	Limestone
				W	118	08	53		
NP-NT	Mould Bay, N. W. Territory	356	086	N	76	15	08	0.06	Alluvium
				W	119	22	18		
RK-ON	Red Lake, Ontario	058	148	N	50	50	20	0.37	Granite
				W	93	40	20		

[1]When earth moves in direction shown, trace moves up.



reported as one-half the peak-to-peak value. If the amplitude is reported in microns, a U appears in the column to the right of the tenths column. The column is left blank if the amplitude is reported in millimicrons. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles whenever possible. The digits 9999.9 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. The distance is given to the nearest one-tenth of a 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.[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^o

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

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 printout.

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 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 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	MN-	eP	02 32 35.0	SZ	0.3	2.3	.7	
		eS	32 48	ST	0.3	4.2		
1	02 56 41.4		25.1 S 179.7 W SOUTH OF FIJI ISLANDS					
			H=459 KM MAG 5.00 CGS					
1	MN-	eP	03 08 30.5	SZ	0.9	6.4	85.5	4.33
		e	10 15	SZ	1.2	6.4		
1	LC-	eP	03 08 53.0	SZ	0.9	15.8	90.1	4.91
							AVG.	4.62
1	04 55 47.4		51.8 N 130.8 W QUEEN CHARLOTTE ISLANDS REG.					
			H= 33 KM MAG 4.90 CGS					
1	MN-	eP	04 59 31.5	SZ	1.0	10.0	16.0	3.93
		e	05 00 00	SZ	1.0	24.1		
		e	02 40	LZ	23	465.6		
		eLQ	03 25	LT	21	1874.5		
		eLR	04 25	LZ	26	1590.7		
1	JR-	eP	05 00 36.5	SZ	1.0	13.8	21.7	4.29
		eP	00 40	LZ	14	325.9		
		eS	04 50	LT	17	963.1		
		eLQ	06 10	LT	28	1214.8		
		eLR	09 15	LZ	14	3803.2		
1	RK-	eP	05 00 51.0	SZ	1.2	57.6	23.1	4.92
		eP	00 52	LZ	10	872.0		
		eS	05 10	LT	17	1203.9		
		eLQ	06 45	LT	16	7052.0		
		eL	08 05	SR	1.6	117.1		
		eLR	09 25	LZ	15	9999.9		
1	NP-	eP	05 01 11.6	SZ	0.8	15.5	25.0	4.69
1	LC-	eP	05 01 21.0	SZ	0.9	10.5	26.2	4.45
		eS	06 00	LR	15	1213.6		
		eL	09 00	LZ	22	9999.9		
1	JE-	eP	05 02 35.0	SZ	1.0	9.5	34.6	4.67
		eSCP	08 40	LZ	25	311.5		
		eLQ	14 00	LT	20	1710.2		
		eLR	17 25	LZ	14	2370.6		
1	AD-	eL	05 08 52	LZ	22	965.8	28.0	
1	DH-	eLQ	05 14 40	LT	16	6692.2	38.4	
		eLR	18 15	LZ	15	3710.1		
							AVG.	4.49
1	05 15 48.4		13.7 N 120.6 E MINDORO, PHILIPPINE ISLANDS					
			H= 94 KM MAG 4.90 CGS					
1	06 46 54.1		51.7 N 175.4 W ANDREANOF ALEUTIAN ISLANDS					
			H= 20 KM MAG 5.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	AD-	eP	06 47 04.6	SZ	999.9	9999.9	.8	
1	MN-	eP	06 54 42.0	SZ	0.5	.9	41.5	3.80
		e	54 47	SZ	0.6	4.5		
1	JR-	eP	06 55 35.5	SZ	0.7	5.7	47.6	4.76
		eL	07 10 00	LZ	30	198.8		
1	RK-	eP	06 55 36.0	SZ	0.5	17.9	48.5	5.36
1	JE-	eP	06 57 13.5	SZ	0.7	28.5	61.9	5.56
1	DH-	eP	06 57 26.5	SZ	0.5	33.3	63.9	5.76
							AVG.	5.04
1	10 03 28.6		34.7 S 108.5 W EASTER ISLAND CORDILLERA					
			H= 33 KM MAG 4.60 CGS					
1	MN-	eP	10 14 59.0	SZ	1.0	3.3	73.3	4.30
		e	15 05	SZ	1.0	13.3		
1	AD-	eP	10 09 51.8	SZ	0.3	64.9	2.2	
		eS	10 19	SR	0.3	161.1		
1	AD-	eP	10 39 07.4	SZ	0.3	46.3	.8	
		eS	39 19	SZ	0.3	9999.9		
1	12 07 59.*		13.9 N 92.3 W OFF COAST OF CHIAPAS, MEXICO					
			H= 33 KM MAG 3.90 CGS					
1	12 26 06.2		3.1 N 128.1 E NORTH OF HALMAHERA					
			H= 65 KM MAG 6.30 CGS					
1	AD-	eP	12 36 49.5	SZ	1.2	99.9	66.7	5.73
		eP	36 50	LZ	22	987.8		
		eSP	45 35	LZ	29	1375.8		
		eLQ	53 15	LR	37	8442.0		
		eLR	54 40	LZ	25	1863.7		
1	NP-	eP	12 39 09.5	SZ	1.0	14.5	92.3	5.27
1	MN-	ePD	12 40 15	SZ	0.8	1.9	106.4	
		ePP	44 41	SZ	1.0	6.6		
		eSKS	50 50	LR	17	984.5		
		ePS	53 50	LR	24	842.5		
		eSS	59 45	LR	28	860.0		
		eLQ	13 10 00	LT	32	2982.6		
		eLR	14 40	LZ	34	5587.2		
1	JR-	eP'	12 44 38.0	SZ	0.5	6.1	112.3	
		ePP	45 15	LZ	20	253.6		
		eSP	54 30	LZ	28	1050.4		
		e	55 37	SZ	1.0	27.7		
		e	13 01 25	LT	25	557.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	11 40	LT	30.	939.7		
		eLR	18 05	LZ	32	2942.2		
1	RK-	eP'	12 44 42.0	SZ	0.5	16.9	115.5	
		ePP	46 05	LZ	23	271.9		
		eSKS	51 25	LT	15	459.1		
		eSP	55 20	SZ	0.9	15.3		
		e	55 25	LZ	20	1497.3		
		eSS	13 01 40	LT	25	977.4		
		eSSS	06 05	LR	27	900.9		
		eLQ	14 45	LR	50	5324.0		
		eLR	20 40	LZ	40	6342.0		
1	LC-	eP'	12 44 48.0	SZ	0.5	4.0	117.4	
		ePP	46 10	LZ	16	331.4		
		eSKS	51 40	LR	14	437.9		
		e	52 50	LR	15	693.4		
		ePKKP	55 14	SZ	1.0	24.6		
		e	55 25	LZ	19	124.8		
		e	13 00 50	LT	18	409.7		
		e	05 40	LR	35	1427.9		
		eLQ	14 40	LT	42	1156.0		
		eLR	19 35	LZ	33	1529.7		
1	JE-	eP'	12 45 09.0	SZ	1.3	92.1	128.5	
		ePP	47 20	LZ	15	585.3		
		eSKP	48 21	SZ	1.4	91.2		
		eSKP	48 22	LZ	16	1039.0		
		e	57 05	LZ	17	365.4		
		eSPP	59 00	LZ	17	511.6		
		e	13 04 45	LZ	20	754.5		
		e	09 15	LZ	22	639.6		
		eLQ	20 20	LT	40	3663.2		
		eLR	25 30	LZ	25	1495.5		
1	DH-	eP'	12 45 14.0	SZ	1.3	44.1	130.3	
		ePP	47 40	LZ	20	451.8		
		eSKP	48 26	SZ	1.0	194.3		
		eSKP	48 30	LZ	20	451.8		
		ePSS	13 05 35	LT	20	603.6		
		eLQ	21 30	LR	50	2884.9		
		eLR	27 00	LR	28	1161.9		
							AVG.	5.50
1	JR-	eP	15 10 23.0	SZ	0.6	6.7		
1	JR-	e	15 10 35	SZ	0.5	27.0		
1	LC-	eP	15 10 59.5	SZ	0.6	8.2		
1	LC-	e	15 12 34	SR	0.7	3.8		
1	JR-	eP	15 15 34.0	SZ	0.5	4.3		
1	LC-	eP	15 16 21.0	SZ	0.5	1.1		
1	LC-	e	15 16 29	SZ	0.6	15.6		
1	MN-	eP	15 17 23.5	SZ	0.5	1.2		
1	LC-	eL	15 18 13	SR	0.7	7.3		
1	MN-	eL	15 19 03	SR	1.0	4.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	15 58 15.1		3.1 N 128.3 E NORTH OF HALMAHERA					
			H=107 KM					
1	16 43 41.*		27.3 S 178.5 W KERMADEC ISLANDS					
			H=366 KM MAG 4.00 CGS					
1	20 41 07.*		38. N 117.7 W NEVADA					
			H= 33 KM MAG 3.90 CGS					
2	JR-	eP	02 50 06.5	SZ	0.5	2.5	4.7	
		eS	51 02	SR	0.6	7.2		
2	JR-	eP	02 54 50.0	SZ	0.5	2.5	4.6	
		eS	55 45	SR	0.8	12.8		
2	MN-	iP	03 13 19.4D	SZ	0.4	9999.9	.9	
		eS	13 31	SR	0.6	15.1		
2	AD-	eP	04 11 04.5	SZ	0.4	110.2	.4	
		eS	11 11	ST	0.4	9999.9		
2	05 03 52.3		7.5 S 128.7 E BANDA SEA					
			H= 48 KM MAG 4.50 CGS					
2	NP-	eP	06 03 10.0	SZ	1.0	483.4		
2	06 50 58.2		4.1 S 76.9 W NORTHERN PERU					
			H= 91 KM MAG 6.75 CGS					
2	JE-	eP	06 58 13.0	SZ	0.8	118.1	38.5	5.85
		eP	58 14	LZ	17	412.3		
2	LC-	eP	06 59 14.5	SZ	0.9	9999.9	46.0	
		eP	59 15	LZ	17	323.7		
2	DH-	eP	06 59 15.5	SZ	1.1	242.9	46.2	5.96
		eP	59 16	LZ	17	506.8		
2	JR-	iP	06 59 52.7D	SZ	0.6	9999.9	50.9	
		eP	59 53	LZ	18	301.0		
		eSS	07 10 50	LR	27	769.8		
2	RK-	iP	07 00 31.4D	SZ	0.5	62.2	56.6	5.90
		eP	00 32	LZ	9	1933.1		
2	MN-	iP	07 00 36.6D	SZ	1.2	9999.9	57.0	
		eP	00 37	LZ	18	281.1		
							AVG.	5.90
2	06 51 08.8		3.5 S 76.6 W NORTHERN PERU					
			H=161 KM MAG 5.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	JR-	eL	07 19 05	LZ	19.	1081.3	50.6	
2	JE-	e	06 58 38	SZ	0.9	92.1		
2	LC-	e	06 59 38	SZ	1.0	107.0		
2	DH-	e	07 00 04	SZ	0.9	82.5		
2	DH-	e	07 00 05	LZ	15	384.2		
2	JR-	e	07 00 16	SZ	0.6	9999.9		
2	JE-	e	07 00 24	SZ	1.0	109.7		
2	LC-	e	07 00 50	SZ	1.1	54.8		
2	RK-	e	07 00 56	SZ	0.7	46.0		
2	JE-	e	07 00 56	SZ	1.0	129.7		
2	MN-	e	07 01 00	SZ	1.2	96.1		
2	LC-	e	07 01 21	SZ	1.2	60.6		
2	JE-	e	07 04 40	LZ	25	639.1		
2	LC-	e	07 05 52	ST	2.5	121.1		
2	LC-	e	07 05 53	LR	22	785.7		
2	DH-	e	07 05 55	LT	19	1693.3		
2	JR-	e	07 07 10	LZ	24	395.0		
2	JE-	e	07 07 20	LZ	20	548.1		
2	07 07 58.*		11.8 N 86.9 W NEAR COAST OF NICARAGUA H=117 KM MAG 4.60 CGS					
2	RK-	e	07 08 10	LT	20.	564.1		
2	MN-	e	07 08 30	LT	20	587.1		
2	RK-	e	07 08 55	LT	25	489.1		
2	LC-	e	07 09 05	LT	25	501.1		
2	DH-	eL	07 09 40	LZ	21	1215.1		
2	JE-	eL	07 10 00	LZ	35	1637.2		
2	RK-	e	07 12 30	LT	25	396.0		
2	MN-	e	07 12 45	LR	20	906.0		
2	LC-	e	07 13 35	SZ	0.7	1.5		
2	MN-	e	07 15 05	LT	25	426.7		
2	LC-	eL	07 16 45	LZ	20	485.8		
2	MN-	e	07 17 50	LT	30	990.0		
2	RK-	eLQ	07 18 45	LR	17	831.7		
2	RK-	eLR	07 19 25	LZ	35	1679.4		
2	MN-	eL	07 24 40	LZ	20	452.8		
2	MN-	eL	07 30 21	SZ	3.0	93.4		
2	08 10 05.5		16.9 S 169.7 E NEW HEBRIDES ISLANDS H=255 KM MAG 4.70 CGS					
2	AD-	eP	08 18 41.6	SZ	999.9	9999.9		
2	AD-	eP	09 04 04.5	SZ	0.4	17.6	1.7	
		eS	04 28	SR	0.5	60.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	NP-	eP	09 16 58.2	SZ	0.3	9999.9		
2	09 18 01.6		5.8 S 105.4 E SUNDA STRAIT H= 39 KM MAG 5.00 CGS					
2	11 38 55.7		37.6 N 118.0 W CALIFORNIA NEVADA BORDER H= 32 KM MAG 4.50 CGS					
2	MN-	eP	11 39 07.5	SZ	999.9	9999.9	.8	
		eS	39 12	LR	13	5847.3		
2	JR-	eP	11 40 18.5	SZ	0.7	4.5	5.6	4.16
		e	40 36	SZ	0.7	33.9		
		eL	41 51	SR	999.9	9999.9		
		eL	42 00	LZ	17	594.7		
2	LC-	eP	11 41 16.0	SZ	1.0	6.0	10.7	4.81
		eL	44 38	SZ	2.5	99.8		
		eL	44 40	LT	15	334.9		
							AVG.	4.48
2	11 50 58.1		44.5 N 149.7 E KURILE ISLANDS H= 33 KM MAG 4.20 CGS					
2	MN-	iP	14 04 48.0D	SZ	0.4	9999.9	.8	
		eS	04 58	SR	0.3	9999.9		
2	LC-	e	16 19 40	LT	15	311.5		
2	LC-	eL	16 21 15	LZ	18	167.3		
2	18 37 30.*		20.9 S 178.2 W FIJI ISLANDS REGION H=604 KM MAG 4.40 CGS					
2	MN-	iP	22 04 33.5D	SZ	0.5	14.4	.8	
		eS	04 45	ST	0.5	13.0		
2	22 59 35.3		44.3 N 11.6 E NORTHERN ITALY H= 33 KM MAG 4.30 CGS					
3	MN-	eP	00 23 42.0	SZ	0.2	6.2	.9	
		eS	23 54	SR	0.3	4.3		
3	00 29 41.8		47.1 N 144.6 E SEA OF OKHOTSK H=353 KM MAG 4.80 CGS					
3	MN-	eP	01 42 34.5	SZ	0.3	4.0	.9	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	42 46	ST	0.3	6.0		
3	02 05 40.4		34.5 N 140.3 E NEAR E. COAST HONSHU, JAPAN					
			H= 86 KM MAG 5.20 CGS					
3	MN-	eP	02 17 28.0	SZ	0.6	9.1	77.3	4.82
3	RK-	eP	02 17 54.0	SZ	0.9	,	82.6	
3	LC-	eP	02 18 25.0	SZ	1.3	7.6	88.5	4.65
							AVG.	4.73
3	MN-	eP	02 24 49.0	SZ	0.2	6.2	3.0	
		eS	25 27	ST	999.9	9999.9		
3	02 25 50.7		29.7 N 51.0 E SOUTHERN IRAN					
			H= 35 KM					
3	MN-	eP	03 59 56.5	SZ	0.3	3.1	.9	
		eS	04 00 08	SR	0.6	14.8		
3	MN-	eP	04 49 05.6	SZ	0.3	5.5	1.0	
		eS	49 18	SR	0.4	9.9		
3	MN-	eP	05 48 36.8	SZ	0.2	7.0		
3	06 05 33.1		31.6 N 66.4 E AFGHANISTAN					
			H= 38 KM MAG 5.10 CGS					
3	NP-	eP	06 16 56.0	SZ	0.5	1.8	72.3	4.36
3	06 14 31.*		32.4 N 59.1 E IRAN					
			H= 33 KM					
3	MN-	eP	08 43 44.5	SZ	0.3	6.2	.7	
		eS	43 55	ST	0.5	17.7		
3	MN-	eP	09 11 15.0	SZ	0.3	.6	4.0	
		eS	12 00	SR	0.5	2.1		
3	09 14 40.*		57. N 150.9 W GULF OF ALASKA					
			H= 33 KM MAG 4.20 CGS					
3	LC-	eP	09 18 05.4	SZ	1.0	3.9		
3	MN-	eP	10 03 55.4	SZ	0.3	10.2	.6	
		eS	04 03	SR	0.3	19.5		
3	11 09 37.		34.6 N 138.6 E NEAR S. COAST HONSHU, JAPAN					
			H= 33 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	NP-	eP	11 19 40.5	SZ	0.6	5.3	59.5	4.76
3	MN-	eP	11 21 34.5	SZ	1.4	10.3	78.4	4.64
3	RK-	eP	11 22 04.7	SZ	0.8	,	83.3	
3	AD-	eL	11 26 40	LZ	28	476.7	36.2	
							AVG.	4.70
3	MN-	eP	11 27 58.8	SZ	0.2	4.5	.8	
		eS	28 10	SR	0.3	10.9		
3	NP-	eP	12 26 17.2	SZ	0.6	10.1		
3	12 43 04.7		1 N 123.7 E NORTHERN CELEBES					
			H=149 KM MAG 5.40 CGS					
3	MN-	eP'	13 01 25.5	SZ	1.0	3.4	111.7	
		ePP	02 07	SZ	1.5	12.8		
3	LC-	eP'	13 01 46.8	SZ	0.9	16.0	122.6	
		epP'	02 23	SZ	0.9	8.4		
3	13 53 35.*		50.3 N 158.3 E KURILE ISLANDS REGION					
			H= 33 KM MAG 4.20 CGS					
3	14 55 40.1		44.6 N 149.0 E KURILE ISLANDS					
			H= 20 KM MAG 5.00 CGS					
3	AD-	e	15 05 25	LZ	22	512.9	23.8	
		eL	07 20	LZ	23	897.7		
3	MN-	eP	15 06 26.5	SZ	1.2	6.7	66.1	4.69
3	RK-	eP	15 06 54.5	SZ	0.7	,	70.5	
3	LC-	eP	15 07 34.0	SZ	0.7	1.4	77.1	4.17
		eL	33 00	LZ	25	149.6		
							AVG.	4.43
3	MN-	eP	17 20 36.5	SZ	0.9	5.3		
3	17 36 09.5		36. N 50.6 E IRAN					
			H= 33 KM MAG 5.30 CGS					
3	NP-	eP	17 47 06.0	SZ	0.5	11.2	67.8	5.23
3	DH-	eP	17 48 54.5	SZ	1.0	26.5	87.6	5.40
							AVG.	5.31
3	DH-	eP	17 57 50.0	SZ	0.2	21.0	1.0	
		eS	58 03	SR	0.6	55.7		
3	18 28 58.6		1.7 S 149.8 E NEW IRELAND REGION					
			H= 35 KM MAG 5.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN-	eP	18 42 10.0	SZ	0.8	2.0	92.7	4.56
3	LC-	eL	19 19 00	LZ	22	50.6	102.4	
3	18 58 44.		37.6 N 118.0 W CALIFORNIA NEVADA BORDER					
			H= 33 KM MAG 4.10 CGS					
3	MN-	eP	18 58 55.2	SZ	999.9	9999.9	.8	
3	LC-	eP	20 08 30.0	SZ	0.2	2.8	3.0	
		eS	09 07	SR	0.3	2.8		
3	LC-	eL	20 53 10	LZ	25	115.1		
3	LC-	eP	21 28 30.5	SZ	0.2	6.1	1.4	
		eS	28 48	ST	0.2	4.7		
4	MN-	eP	00 34 46.5	SZ	0.5	3.2	.7	
		eS	34 57	ST	0.5	5.8		
4	02 11 24.9		19.7 S 69.2 W NORTHERN CHILE					
			H=102 KM MAG 5.20 CGS					
4	LC-	eP	02 21 41.7	SZ	1.0	10.9	63.0	4.74
		ePCP	22 08	SZ	1.2	15.3		
4	JR-	eP	02 22 22.8	SZ	0.8	44.4	67.8	5.36
		e	22 49	SZ	0.9	54.1		
4	MN-	eP	02 22 51.0	SZ	1.1	23.6	73.8	4.93
		e	23 17	SZ	1.2	29.4		
							AVG.	5.01
4	03 37 35.9		54.9 N 162.6 E NEAR EAST COAST OF KAMCHATKA					
			H= 49 KM MAG 5.00 CGS					
4	AD-	eL	03 43 45	LZ	30	617.4	12.7	
4	NP-	eP	03 44 23.5	SZ	0.7	15.9	34.8	5.05
4	MN-	eP	03 46 56.0	SZ	0.7	1.7	53.8	4.18
4	JR-	eP	03 47 47.7	SZ	0.7	3.5	59.9	4.54
4	LC-	eP	03 48 09.0	SZ	1.0	4.9	64.6	4.55
		eL	04 10 00	LZ	30	153.4		
							AVG.	4.58
4	04 44 35.*		58.8 N 151.6 W KODIAK ISLAND REGION					
			H= 34 KM MAG 4.60 CGS					
4	MN-	eP	05 07 14.1	SZ	0.3	.6	3.6	
		eS	07 57	ST	0.4	2.4		
4	06 00 13.*		21. S 67.1 W SOUTHERN BOLIVIA					
			H=244 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	06 27 54.*		16.3 S 172.9 W SAMOA ISLANDS REGION					
			H= 33 KM MAG 4.40 CGS					
4	06 40 51.*		55. N 162.3 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.20 CGS					
4	MN-	eL	07 02 00	LZ	26	381.8	54.0	
4	LC-	eL	07 04 56	LZ	25	172.3	64.8	
4	RK-	eL	07 13 35	LZ	30	257.2	57.1	
4	DH-	eL	07 23 20	LZ	20	184.0	71.6	
4	08 42 54.4		39.6 N 110.4 W EASTERN UTAH					
			H= KM					
4	MN-	eP	08 49 58.0	SZ	0.3	2.1	.6	
		eS	50 07	SR	0.3	11.5		
4	11 50 32.*		37.6 N 118.2 W CALIFORNIA NEVADA BORDER					
			H= 33 KM MAG 3.60 CGS					
4	MN-	eP	11 50 42.0	SZ	999.9	9999.9	.8	
4	11 53 56.*		37.5 N 118.4 W CALIFORNIA NEVADA BORDER					
			H= 33 KM MAG 3.75 CGS					
4	MN-	eP	11 54 04.5	SZ	999.9	9999.9	1.0	
		eL	56 37	SZ	0.5	9999.9		
4	MN-	eP	12 04 30.5	SZ	0.6	14.5		
4	MN-	eP	12 47 40.0	SZ	0.4	2.4		
4	15 20 23.5		24.8 N 96.1 E BURMA					
			H= 43 KM					
4	19 46 06.2		36.4 N 70.8 E HINDU KUSH REGION					
			H=210 KM MAG 4.60 CGS					
4	LC-	eP	19 48 45.0	SZ	0.5	7.5	1.5	
		eS	49 04	SR	0.4	8.7		
4	21 02 38.7		6.8 N 125.4 E MINDANAO, PHILIPPINE ISLANDS					
			H= 70 KM					
4	AD-	ePP	21 15 55	LZ	20.	262.4	65.2	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	32 05	LZ	32.	1109.7		
4	LC-	ePD	21 17 50	SZ	0.8	1.7	117.0	
		eL	53 50	LZ	15	103.8		
4	RK-	eL	21 56 45	LZ	40	442.4	113.4	
4	22 34 54.*		20.1 S 178.5 W FIJI ISLANDS REGION					
			H=605 KM MAG 4.10 CGS					
5	00 45 30.9		7. S 129.4 E BANDA SEA					
			H= 95 KM MAG 5.20 CGS					
5	01 47 42.1		5.1 S 146.1 E EAST NEW GUINEA REGION					
			H=137 KM					
5	04 19 39.5		5.5 S 147.2 E EAST NEW GUINEA REGION					
			H=197 KM MAG 4.90 CGS					
5	07 01 15.3		9.2 N 142.0 E WEST CAROLINE ISLANDS					
			H= 33 KM MAG 4.80 CGS					
5	AD-	eLR	07 25 55	LZ	28.	450.9	54.2	
5	MN-	eLR	07 46 40	LZ	18	237.5	92.0	
5	JR-	eLR	07 46 40	LZ	26	135.6	97.7	
5	LC-	eLR	07 49 30	LZ	25	117.3	102.7	
5	RK-	eLR	07 54 40	LZ	28	477.3	103.3	
5	DH-	eLR	07 59 50	LZ	30	117.5	118.7	
5	JE-	eLR	07 59 50	LZ	20	182.9	114.3	
5	08 47 06.		18.2 N 68.4 W MONA PASSAGE					
			H=183 KM MAG 4.80 CGS					
5	DH-	eP	08 52 22.5	SZ	0.6	7.3	24.6	4.45
		e	56 50	SR	0.5	13.4		
5	LC-	eP	08 54 00.5	SZ	0.8	7.0	37.1	4.39
							AVG.	4.42
5	09 07 32.*		20.3 S 174.0 W TONGA ISLANDS					
			H= 15 KM MAG 4.70 CGS					
5	LC-	eP	09 20 00.0	SZ	1.0	7.9	83.0	4.86

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5	AD-	eP	11 53 54.2	SZ	0.3	89.7	3.4	
		eS	54 35	SR	0.3	154.8		
5	RK-	eP	13 31 01.5	SZ	1.0	25.0		
5	AD-	eP	14 00 07.0	SZ	0.3	44.8	.7	
		eS	00 12	ST	0.3	189.8		
5	NP-	eP	15 13 50.7	SZ	1.3	25.8		
5	NP-	eP	15 16 47.9	SZ	1.4	29.6		
5	NP-	eP	15 19 23.2	SZ	1.5	62.2		
5	LC-	eL	16 27 20	LZ	23	94.4		
5	RK-	eP	20 26 27.5	SZ	0.3	.8	.9	
		eS	26 40	SR	0.5	10.1		
5	LC-	eP	20 45 57.0	SZ	0.5	3.0		
5	20 55 42.9		35.1 N 24.2 E CRETE					
			H= 10 KM MAG 4.20 CGS					
5	LC-	eP	21 09 08.5	SZ	0.2	20.8	1.4	
		eS	09 28	SR	0.3	8.5		
6	MN-	eP	03 00 28.0	SZ	0.2	9.7		
6	MN-	eP	06 34 44.4	SZ	0.4	23.5	1.2	
		eS	34 58	SR	0.3	17.2		
6	06 57 38.*		44.5 N 148.4 E KURILE ISLANDS					
			H= 33 KM MAG 4.50 CGS					
6	09 22 01.*		57. N 161.6 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.40 CGS					
6	09 53 22.4		44.4 N 149.0 E KURILE ISLANDS					
			H= 60 KM MAG 5.70 CGS					
6	AD-	eP	09 58 30.7	SZ	2.0	1246.8	23.9	6.03
		eP	58 32	LZ	17	384.7		
		eL	10 03 00	LZ	22	1923.6		
6	NP-	eP	10 01 53.5	SZ	1.0	64.0	47.8	5.53
6	MN-	eP	10 04 05.0	SZ	1.0	25.5	66.2	5.23
		eP	04 10	LZ	18	135.7		
		eS	12 53	LT	28	982.4		
		eSS	17 02	LT	26	548.8		
		eLQ	20 35	LT	25	1361.3		
		eLR	33 35	LZ	21	1285.0		
6	RK-	eP	10 04 32.0	SZ	0.6	50.4	70.7	5.64
		eP	04 50	LZ	18	373.8		
		eS	13 45	LR	30	1520.3		
		eSS	18 30	LR	27	983.7		
		e	21 50	LR	27	1348.0		
		eL	25 10	LR	30	1972.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	JR-	eP	10 04 43.3	SZ	0.6	14.1	72.3	5.09
		eS	14 10	LT	24	794.1		
		eLQ	23 08	LT	38	2638.0		
6	LC-	eP	10 05 11.0	SZ	1.0	19.9	77.2	5.02
		epP	05 25	SZ	1.8	109.3		
		eP	05 28	LZ	15	285.2		
		e	06 19	SZ	2.0	49.9		
		e	07 03	SZ	2.0	43.6		
		eS	15 00	LT	28	1079.2		
		e	19 05	LT	25	502.0		
		e	20 46	LR	20	404.3		
		eL	27 06	LT	999	9999.9		
6	DH-	eP	10 05 54.0	SZ	1.0	44.1	85.2	5.46
		eP	06 00	LZ	20	230.1		
		eS	16 20	LT	23	759.4		
		eSS	21 55	LT	20	326.6		
		eL	35 55	LZ	37	1467.1		
6	JE-	eP	10 05 59.0	SZ	0.7	29.8	86.0	5.41
		eP	05 59	LZ	17	261.3		
		eS	16 22	LT	22	1528.8		
		e	26 25	LZ	20	421.5		
		eL	37 45	LZ	24	685.3		
							AVG.	5.42
6	10 25 31.8		44.5 N 148.9 E KURILE ISLANDS					
			H= 33 KM MAG 4.50 CGS					
6	NP-	eP	10 34 06.6	SZ	0.9	10.7	47.7	4.88
6	MN-	eP	10 36 18.0	SZ	1.0	3.4	66.2	4.43
6	RK-	eP	10 36 44.6	SZ	0.6	7.5	70.7	4.90
							AVG.	4.73
6	12 14 29.8		43.5 N 126.6 W OFF COAST OF OREGON					
			H= 33 KM MAG 4.60 CGS					
6	RK-	eP	12 19 38.0	SZ	0.7	2.5	23.4	3.81
6	LC-	eL	12 26 10	LZ	20	199.1	19.2	
6	AD-	eP	12 14 30.0	SZ	0.3	8.9	1.9	
		eS	14 56	SR	0.3	96.0		
6	13 55 53.7		31.7 S 57.4 E ATLANTIC INDIAN RISE					
			H= 33 KM MAG 5.90 CGS					
6	RK-	eP'1	14 15 43.6	SZ	0.8	30.3	151.3	
6	LC-	eP'2	14 16 58.6	SZ	1.2	12.2	166.4	
6	MN-	eP'2	14 17 25.0	SZ	1.3	6.5	172.4	
		eL	15 19 35	LZ	43	443.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	16 31 11.9		21. S 67.2 W CHILE BOLIVIA BORDER REGION					
			H=179 KM MAG 4.40 CGS					
6	JR-	eP	16 42 07.2	SZ	0.8	18.5	69.9	4.89
6	MN-	eP	17 27 41.1	SZ	0.3	10.3		
6	JR-	eP	17 51 39.5	SZ	0.2	29.9		
6	DH-	eP	19 36 16.2	SZ	0.2	21.0	1.5	
		eS	36 37	SR	0.4	56.3		
6	LC-	eP	19 55 30.0	SZ	0.2	1.9	2.8	
		eS	56 06	ST	0.3	7.0		
6	LC-	eP	20 21 15.0	SZ	0.3	14.6	1.4	
		eS	21 33	SR	0.3	4.5		
6	20 35 59.*		44.5 N 148.8 E KURILE ISLANDS					
			H= 72 KM MAG 4.20 CGS					
6	MN-	eP	23 39 04.6	SZ	0.4	4.7	2.7	
		eS	39 41	SR	0.4	7.2		
7	00 50 08.*		2. N 99.7 E NORTHERN SUMATRA					
			H= 33 KM MAG 5.20 CGS					
7	01 36 56.5		12. N 88.0 W OFF COAST OF CENTRAL AMERICA					
			H= 33 KM MAG 4.40 CGS					
7	JE-	eP	01 41 30.0	SZ	0.7	20.4	20.0	4.50
7	LC-	eP	01 42 33.0	SZ	0.6	5.4	26.5	4.36
7	RK-	eP	01 44 20.0	SZ	0.8	7.4	39.0	4.47
							AVG.	4.44
7	03 48 12.*		32.9 S 67.4 W MENDOZA PROVINCE, ARGENTINA					
			H=143 KM MAG 4.00 CGS					
7	04 03 38.7		14. N 144.7 E MARIANA ISLANDS					
			H=155 KM					
7	04 16 30.*		48.6 N 156.9 E KURILE ISLANDS REGION					
			H= 33 KM MAG 4.50 CGS					
7	07 44 05.7		6.5 S 148.2 E NEW BRITAIN REGION					
			H= 48 KM MAG 5.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	MN-	eLR	08 30 40	LZ	25.	278.6	96.9	
7	JR-	eLR	08 35 00	LZ	26	111.8	101.7	
7	LC-	eL	08 36 45	LZ	25	215.4	106.3	
7	RK-	eLR	08 39 50	LZ	25	376.2	112.6	
7	DH-	eL	08 39 55	LZ	24	160.3	127.9	
7	07 59 56.7		6.8 S 148.4 E NEW BRITAIN REGION					
			H= 44 KM					
7	08 47 59.3		6.7 S 148.2 E NEW BRITAIN REGION					
			H= 69 KM					
7	09 11 28.8		19.3 N 147.1 E MARIANA ISLANDS REGION					
			H= 57 KM MAG 4.70 CGS					
7	MN-	eP	09 23 44.5	SZ	0.8	6.0	81.8	4.60
7	JR-	eP	09 24 14.5	SZ	0.8	4.2	87.7	4.64
7	LC-	eP	09 24 38.0	SZ	1.0	2.9	92.8	4.61
							AVG.	4.61
7	LC-	eP	09 58 27.0	SZ	0.6	2.5		
7	11 20 46.*		50.7 N 179.1 E RAT ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.10 CGS					
7	AD-	eP	11 21 31.2	SZ	999.9	9999.9	2.9	
7	14 49 13.4		45.5 N 150.3 E KURILE ISLANDS					
			H= 33 KM MAG 5.60 CGS					
7	MN-	eP	14 59 51.0	SZ	1.2	39.3	64.8	5.42
7	RK-	eP	15 00 17.0	SZ	0.9	58.2	69.3	5.66
		eLR	26 20	LR	30	521.2		
7	JR-	eP	15 00 30.0	SZ	0.6	8.9	70.9	4.98
		eLR	23 20	LZ	30	222.5		
7	LC-	eP	15 00 58.0	SZ	1.4	40.3	75.9	5.25
		eLQ	22 30	LT	35	429.4		
		eLR	25 35	LZ	30	247.2		
7	DH-	eP	15 01 40.5	SZ	0.9	54.3	83.8	5.68
		eLR	33 10	LZ	30	386.7		
7	JE-	eP	15 01 45.5	SZ	1.1	50.8	84.6	5.57
		eLR	31 45	LZ	35	340.2		
							AVG.	5.42
7	15 42 38.*		46.5 N 13.9 E AUSTRIA					
			H= 33 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	18 37 43.7		4 N 100.1 E NORTHERN SUMATRA					
			H=107 KM MAG 5.10 CGS					
7	MN-	eP'	18 56 40.5	SZ	1.0	5.1	127.8	
		eSS	19 16 03	LT	30	409.6		
		eSSS	20 45	LT	25	287.5		
		eLQ	30 45	LT	35	684.6		
		eLR	38 40	LZ	33	730.2		
7	JR-	eP'	18 56 54.5	SZ	0.8	4.2	133.9	
		eLR	19 41 10	LZ	35	509.5		
7	LC-	eP'	18 56 57.0	SZ	1.0	1.9	138.8	
		eSKP	19 00 34	SZ	1.3	19.1		
		eSS	18 15	LT	29	235.3		
		eSSS	23 00	LT	25	221.2		
		eLQ	36 05	LT	42	1082.0		
		eLR	46 40	LT	26	947.2		
7	JE-	eP'2	18 57 16.0	SZ	1.0	82.3	146.0	
		eLR	19 52 20	LZ	25	712.1		
7	RK-	eLR	19 37 30	LR	35	962.4	127.6	
7	DH-	eLQ	19 41 25	LT	40	1671.7	137.3	
		eLR	50 35	LT	26	2621.2		
7	20 07 04.*		13.1 N 89.9 W EL SALVADOR					
			H= 82 KM MAG 4.30 CGS					
7	LC-	eP	20 12 17.0	SZ	0.5	5.2	24.6	4.26
7	MN-	eP	20 13 57.0	SZ	1.0	7.6	35.6	4.57
7	RK-	eP	20 14 12.5	SZ	0.7	10.0	37.8	4.82
							AVG.	4.55
7	20 21 12.1		13. N 90.1 W OFF COAST OF CENTRAL AMERICA					
			H= 73 KM MAG 4.10 CGS					
7	MN-	eP	20 28 06.0	SZ	1.1	4.2	35.5	4.27
7	JR-	eP	21 22 26.0	SZ	0.5	5.3	2.6	
		eS	22 59	ST	0.6	23.9		
7	22 03 18.8		36.5 N 70.8 E HINDU KUSH REGION					
			H=215 KM					
7	23 41 55.1		19.9 S 177.4 W FIJI ISLANDS REGION					
			H=281 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	LC-	eP	23 54 03.5	SZ	1.1	9.8	85.3	4.54
8	00 06 54.*		48.8 S 111.2 W EASTER ISLAND CORDILLERA					
			H= 33 KM MAG 4.70 CGS					
8	01 19 17.*		35.8 N 120.2 W CENTRAL CALIFORNIA					
			H= 14 KM MAG 4.40 CGS					
8	MN-	eP	01 20 04.4	SZ	0.3	1.5	3.1	3.51
		e	20 08	SZ	0.4	7.8		
		eS	20 45	SR	999.9	9999.9		
8	01 25 36.*		32.2 S 178.8 W SOUTH OF KERMADEC ISLANDS					
			H= 33 KM MAG 4.40 CGS					
8	02 43 57.*		49. S 163.7 E AUCKLAND ISLANDS REGION					
			H= 33 KM MAG 6.50 CGS					
8	AD-	eP	02 57 45	LZ	20.	609.7	101.9	
		ePP	03 01 58	LZ	18	1419.3		
		eL	31 00	LZ	40	7929.0		
8	JR-	ePD	02 58 38	LZ	22	203.0	112.0	
		ePP	03 03 13	LZ	20	725.5		
		eS	11 10	LR	27	721.4		
		ePS	12 57	LT	26	2446.4		
		ePPS	14 02	LT	23	1860.2		
		ePSS	19 24	LT	32	9999.9		
		eSSS	22 44	LT	36	4476.2		
		e	26 19	LT	24	9999.9		
		eLQ	29 48	LR	44	6575.7		
		eLR	34 35	LZ	29	9999.9		
8	MN-	ePD	02 58 40	LZ	22	285.7	111.1	
		ePP	03 03 08	LZ	21	1187.4		
		eSKS	09 15	LT	22	758.4		
		eS	11 06	LR	25	603.7		
		ePS	12 54	LT	18	2764.1		
		ePPS	13 48	LT	21	2645.1		
		eSS	18 41	LR	25	9999.9		
		ePSS	19 20	LT	30	9999.9		
		eSSS	23 02	LT	26	9999.9		
		e	26 37	LT	28	9999.9		
		eLQ	29 21	LR	32	9999.9		
		eLR	38 15	LZ	999	9999.9		
8	LC-	ePD	02 58 45	LZ	17	305.8	113.5	
		ePP	03 03 25	LZ	20	9999.9		
		eSKS	09 26	LT	21	444.6		
		eS	11 20	LR	21	848.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePS	13 14	LT	999.	9999.9		
		ePSS	19 40	LT	999	9999.9		
		eSSS	23 18	LT	32	9999.9		
		eLQ	30 32	LR	30	9999.9		
		eLR	36 20	LZ	999	9999.9		
8	DH-	eP'	03 03 05	LZ	14	634.6	139.4	
		ePP	06 14	LZ	18	1307.4		
		ePS	16 29	LR	19	1364.9		
		eSPP	18 38	LZ	21	936.8		
		ePSS	25 11	LR	31	3426.8		
		e	34 06	LR	32	3430.2		
		e	38 34	LT	28	1485.7		
		e	41 16	LZ	26	1438.3		
		eLQ	42 50	LT	36	3287.3		
		eLR	52 08	LZ	27	3379.7		
8	RK-	eP'	03 03 09	LZ	16	476.1	132.3	
		ePP	05 33	LZ	18	1249.8		
		ePKS	06 39	LR	18	2091.3		
		ePS	15 38	LR	21	973.0		
		ePPS	17 42	LR	19	1286.0		
		eSS	23 19	LT	28	2898.5		
		eSSS	28 00	LR	32	3393.4		
		e	31 58	LR	33	3679.7		
		eLQ	38 35	LT	31	3194.3		
8	NP-	eP'	03 03 11.4	SZ	1.2	27.1	134.0	
8	JE-	ePP	03 04 25	LZ	18	1254.6	122.2	
		ePS	14 32	LT	19	3930.8		
		eSS	21 05	LT	20	3264.8		
8	04 30 51.4		18.1 S 178.5 W FIJI ISLANDS REGION					
			H=643 KM MAG 3.50 CGS					
8	MN-	eL	06 47 30	LZ	22.	126.9		
8	LC-	eP	09 26 52.1	SZ	0.2	.9	3.6	
		eS	27 36	ST	0.4	13.1		
8	10 33 27.5		29.7 N 51.0 E SOUTHERN IRAN					
			H= 40 KM MAG 4.80 CGS					
8	NP-	eP	10 45 01.6	SZ	0.9	177.1	74.1	6.01
8	RK-	eL	11 19 30	LT	28	320.9	94.0	
8	JR-	eL	11 41 56	LZ	23.	203.0		
8	MN-	eP	16 10 34.0	SZ	0.4	5.1	.8	
		eS	10 46	SR	0.4	17.0		
8	AD-	eP	16 25 58.5	SZ	0.3	9999.9	.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	26 05	ST	999.9	9999.9		
8	16 36 52.8		5.5 S 147.0 E EAST NEW GUINEA REGION H=170 KM MAG 4.70 CGS					
8	17 56 31.1		34.8 N 133.0 E NEAR S. COAST SOUTH HONSHU H= 42 KM MAG 5.00 CGS					
8		NP- eP	18 06 39.5	SZ	0.6	13.4	60.5	5.20
8		MN- eP	18 08 46.8	SZ	1.0	3.4	81.8	4.30
							AVG.	4.75
8		LC- eP	21 52 32.9	SZ	0.3	9.3	1.4	
		eS	52 52	SR	0.4	8.6		
9		JR- eP	04 01 55.0	SZ	0.6	19.0		
9	04 44 19.9		7.2 S 128.2 E BANDA SEA H=129 KM MAG 5.30 CGS					
9		MN- eP'	05 02 44.1	SZ	1.1	8.6	112.9	
9		RK- eP'	05 03 03.8	SZ	0.6	15.6	124.4	
9		LC- eP'	05 03 04.0	SZ	1.3	42.2	123.4	
		eSKP	06 24	SZ	1.3	17.2		
		ePKKP	12 53	SZ	1.0	15.9		
		eSKKP	16 40	SZ	1.9	22.1		
9		JE- eP'	05 03 22.0	SZ	0.7	39.8	135.3	
		eSKP	06 42	SZ	1.2	215.3		
9		DH- ePP	05 06 42	SZ	1.2	10.8	139.6	
9		MN- eP	07 07 55.0	SZ	0.5	1.6		
9	08 05 48.8		39.8 N 48.4 E NORTHWEST IRAN USSR BORDER H= 65 KM MAG 5.10 CGS					
9		DH- eP	08 18 05.0	SZ	1.0	8.8	83.5	4.75
		eL	46 00	LZ	40	259.2		
9		RK- eP	08 18 12.5	SZ	0.6	5.2	83.8	4.75
		eLR	47 30	LZ	40	423.9		
							AVG.	4.75
9		NP- eP	08 11 17.0	SZ	1.0	46.1		
9		JE- eL	08 24 30	LZ	25	165.3		
9		LC- eL	08 30 18	LZ	35	144.9		
9		JR- eL	08 33 40	LZ	30	111.9		
9		LC- eP	09 01 05.0	SZ	0.9	1.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	09 56 10.*		14.6 N 92.2 W NEAR COAST CHIAPAS, MEXICO H= 61 KM MAG 3.80 CGS					
9		JR- eP	15 04 56.1	SZ	0.3	8.5	.4	
		eS	05 02	SR	0.3	25.5		
9		MN- eP	15 09 23.4	SZ	0.3	11.1		
9	16 01 03.*		56.8 N 161.5 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 4.50 CGS					
9	16 12 50.6		29.5 N 86.0 E TIBET H= 33 KM MAG 4.70 CGS					
9		NP- eP	16 24 20.0	SZ	1.7	46.6	73.3	5.22
9	17 53 03.*		7.1 S 129.1 E BANDA SEA H=164 KM					
9	18 24 21.*		28.7 N 112.0 W GULF OF CALIFORNIA H= 33 KM MAG 3.50 CGS					
9	18 43 38.6		19.3 N 121.0 E PHILIPPINE ISLANDS REGION H= 33 KM MAG 5.00 CGS					
9		AD- eP	18 53 28	LZ	14.	149.9	58.0	
		eSP	19 01 37	LZ	20	131.2		
		eLR	13 40	LZ	25	390.1		
9		NP- eP	18 55 34.8	SZ	1.2	76.9	78.0	5.61
9		JR- eLR	19 32 50	LZ	32	330.3	106.3	
9		LC- eLR	19 35 50	LZ	30	136.4	111.3	
9		RK- eLR	19 36 15	LZ	26	185.8	103.8	
9		JE- eLR	19 42 20	LZ	26	169.0	120.2	
9		DH- eLR	19 45 50	LZ	30	452.2	117.0	
9		LC- eP	20 52 40.6	SZ	0.3	8.5		
9		LC- e	20 53 00	SZ	0.3	8.7		
9		LC- eP	21 00 46.5	SZ	0.4	8.2	1.4	
		eS	01 04	SR	0.4	9.0		
10	04 16 48.*		24.4 S 65.7 W SALTA PROVINCE, ARGENTINA H= 76 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	05 03 45.*		60.1 N 143.5 W SOUTHERN ALASKA H= 40 KM MAG 4.60 CGS					
10	NP-	eP	05 08 03.1	SZ	0.7	5.2	18.3	3.84
10	RK-	eP	05 09 46.0	SZ	0.8	6.0	29.1	4.40
		eLR	19 10	LR	18	466.4		
10	LC-	eP	05 10 50.0	SZ	1.3	6.3	36.8	4.28
10	MN-	eLR	05 17 35	LZ	20	203.7	27.0	
10	JE-	eLR	05 31 40	LZ	16	410.6	44.0	
							AVG.	4.17
10	06 07 49.6		59.8 N 144.3 W GULF OF ALASKA H= 42 KM MAG 5.00 CGS					
10	NP-	eP	06 12 08.3	SZ	1.0	23.8	18.7	4.39
		eP	12 13	LZ	11	1646.9		
10	MN-	eP	06 13 29.0	SZ	1.4	26.4	27.1	4.70
		eP	13 30	LZ	8	1278.6		
		eS	18 15	LR	10	1076.2		
		e	20 18	LT	25	632.4		
		e	21 20	LZ	20	407.4		
		eLR	23 00	LZ	16	657.3		
10	RK-	eP	06 13 55.5	SZ	1.0	20.4	29.5	4.85
		eLR	22 35	LR	22	1158.8		
		eL	23 30	SR	2.0	46.4		
10	AD-	e	06 14 20	LZ	13	226.4	19.7	
		ePCP	16 40	LZ	12	783.0		
		eLR	18 00	LZ	25	302.1		
10	JR-	eP	06 14 23.5	SZ	1.1	5.9	32.6	4.37
		eLR	24 45	LZ	26	132.8		
10	LC-	eP	06 14 56.5	SZ	1.5	28.7	37.0	4.87
		eS	20 50	LR	15	226.1		
		eSS	23 30	LR	17	177.2		
		eLQ	25 45	LT	28	270.1		
		eLR	31 00	LZ	13	508.1		
10	DH-	eP	06 16 08.5	SZ	1.0	14.1	44.8	4.74
		eLQ	29 40	LR	33	476.9		
		eLR	31 35	LT	17	805.1		
10	JE-	eLR	06 31 55	LR	17	1191.2	44.3	
							AVG.	4.65
10	JR-	eP	08 35 16.5	SZ	0.5	3.9	3.8	
		eS	36 03	ST	0.5	5.9		
10	10 35 35.*		6.1 S 147.2 E EAST NEW GUINEA REGION H= 80 KM					
10	11 22 54.*		56.7 N 161.3 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	12 45 16.*		31.6 N 132.3 E SOUTHEAST OF SHIKOKU, JAPAN H=169 KM MAG 4.70 CGS					
10	MN-	eP	12 57 30.5	SZ	1.0	5.9	84.3	4.34
10	DH-	eP	14 28 30.0	SZ	0.4	21.3	1.4	
		eS	28 50	SR	0.5	32.0		
10	15 47 49.3		32.6 N 49.1 E WESTERN IRAN H= 28 KM MAG 5.30 CGS					
10	NP-	eP	15 58 54.4	SZ	0.7	5.2	71.2	4.69
10	AD-	eP	16 27 46.5	SZ	0.4	27.5	2.0	
		eS	28 11	SR	0.5	41.9		
10	16 34 15.5		3.7 S 136.5 E WEST NEW GUINEA H= 14 KM MAG 5.40 CGS					
10	LC-	eLR	17 27 40	LZ	30.	196.3	114.6	
10	AD-	eL	16 42 55	LZ	20.	217.7		
10	17 13 03.9		29.8 N 92.2 E TIBET H= 69 KM MAG 4.60 CGS					
10	19 13 25.*		12.5 N 90.3 W OFF COAST OF CENTRAL AMERICA H= 33 KM MAG 4.20 CGS					
10	19 26 40.8		47.5 N 23.6 W NORTH ATLANTIC OCEAN H= 31 KM MAG 4.30 CGS					
10	AD-	eP	22 15 44.5	SZ	0.4	16.5	3.8	
		eS	16 31	ST	0.4	65.6		
11	AD-	eP	01 30 12.0	SZ	0.2	22.8	3.7	
		eS	30 58	SR	0.2	69.3		
11	02 01 47.*		56.9 N 161.0 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 4.50 CGS					
11	03 31 41.*		56.7 N 161.3 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	AD-	eP	05 10 25.2	SZ	0.2	366.3		
11	05 25 07.6		30.7 N 131.3 E KYUSHU, JAPAN					
			H= 33 KM MAG 4.60 CGS					
11	NP-	eP	05 35 44.0	SZ	1.5	27.3	64.8	5.16
11	05 59 32.*		53.8 N 160.8 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.10 CGS					
11	06 17 06.*		44.6 N 148.6 E KURILE ISLANDS					
			H= 33 KM MAG 4.30 CGS					
11	07 54 58.*		57.1 N 161.7 E KAMCHATKA					
			H= 33 KM MAG 4.80 CGS					
11	LC-	eP	08 05 32.2	SZ	1.0	2.9	64.3	4.38
11	08 01 26.1		59.4 N 144.6 W GULF OF ALASKA					
			H= 10 KM MAG 5.20 CGS					
11	NP-	eP	08 05 50.3	SZ	0.9	29.2	19.1	4.52
		eP	05 53	LZ	10	58.6		
11	MN-	eP	08 07 09.6	SZ	1.4	71.4	26.9	5.18
		eS	12 02	LR	13	3145.3		
		eL	14 45	LZ	999	9999.9		
11	RK-	eP	08 07 33.2	SZ	0.9	19.4	29.7	4.92
		eS	12 34	LR	23	893.4		
		eS	12 38	SR	1.0	11.8		
		e	13 00	LT	20	1341.3		
		eL	15 45	LR	999	9999.9		
		eL	16 47	SR	3.5	845.6		
11	LC-	eP	08 08 38.5	SZ	1.3	38.3	36.9	5.00
		e	10 03	LR	13	509.4		
		eS	14 37	LR	18	9999.9		
		eSS	17 12	LT	999	9999.9		
		eLQ	19 15	LT	999	9999.9		
		eLR	20 10	LZ	999	9999.9		
11	JE-	eP	08 09 38.2	SZ	1.2	44.8	44.4	5.14
		ePCP	11 25	SZ	2.0	182.0		
		eS	16 18	LR	18	806.2		
		eSS	19 37	LT	20	1276.3		
		eL	23 52	LT	26	1901.8		
		eL	25 25	ST	4.0	900.2		
11	AD-	eL	08 09 45	LZ	14	1100.5	19.5	
11	DH-	eS	08 16 25	LR	15	957.2	45.0	
		eSS	19 50	LR	22	988.2		
		eLQ	23 12	LR	35	2489.7		
		eLR	25 10	LR	16	4381.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.95
11	DH-	e	08 02 10	LZ	17.	241.9		
11	09 18 34.*		56.7 N 161.4 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.90 CGS					
11	NP-	eP	09 25 10.5	SZ	0.8	6.1	33.4	4.55
11	MN-	eP	09 27 56.0	SZ	1.4	11.9	54.0	4.73
11	LC-	eP	09 29 10.5	SZ	1.4	11.8	64.6	4.83
							AVG.	4.70
11	AD-	eL	10 15 00	LZ	20.	342.4		
11	10 16 18.*		56.8 N 161.2 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.50 CGS					
11	AD-	eL	10 22 55	LZ	25	360.6	13.8	
11	11 19 39.*		23.7 S 178.0 W SOUTH OF FIJI ISLANDS					
			H=332 KM MAG 4.30 CGS					
11	LC-	eP	11 31 52.6	SZ	1.3	15.3	88.0	4.74
11	13 11 23.*		56.5 N 161.5 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.50 CGS					
11	MN-	eP	13 20 47.6	SZ	1.0	7.5	54.0	4.68
11	RK-	eP	13 21 02.0	SZ	1.3	24.2	56.4	5.07
11	LC-	eP	13 22 01.5	SZ	1.0	4.9	64.6	4.60
							AVG.	4.78
11	13 17 37.5		56.6 N 161.4 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 5.40 CGS					
11	AD-	eP	13 20 53.0	SZ	1.5	329.9	13.6	5.89
		eL	24 36	LZ	999	9999.9		
11	NP-	eP	13 24 15.0	SZ	0.6	20.8	33.5	5.21
		eL	34 40	LZ	25	702.1		
11	MN-	eP	13 27 01.3	SZ	0.9	16.6	54.0	5.07
11	RK-	eP	13 27 16.3	SZ	1.0	35.3	56.4	5.35
		eL	45 17	LZ	37	719.4		
11	LC-	eP	13 28 15.0	SZ	1.0	15.9	64.7	5.10
11	DH-	eP	13 28 50.5	SZ	0.9	20.3	70.7	5.16
11	JE-	eL	13 55 40	LZ	22	776.9	72.4	
							AVG.	5.29

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	14 11 05.*		29.4 S 178.2 W KERMADEC ISLANDS REGION					
			H= 89 KM MAG 4.10 CGS					
11	14 37 22.6		56.8 N 161.1 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.70 CGS					
11		MN- eP	14 46 46.8	SZ	0.8	3.9	54.1	4.49
11		LC- eP	14 48 00.5	SZ	1.2	7.6	64.7	4.71
							AVG.	4.60
11	14 59 36.*		56.9 N 161.7 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.60 CGS					
11		MN- eP	15 08 56.5	SZ	1.0	3.3	53.8	4.31
11	15 40 18.		56.6 N 161.4 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 5.10 CGS					
11		NP- eP	15 46 55.0	SZ	0.7	10.7	33.5	4.85
11		MN- eP	15 49 41.2	SZ	0.9	7.6	54.0	4.73
11		RK- eP	15 49 56.5	SZ	1.3	33.9	56.4	5.22
11		LC- eP	15 50 55.0	SZ	1.0	7.9	64.7	4.80
							AVG.	4.90
11		NP- eP	16 04 02.5	SZ	0.7	13.4		
11	16 32 24.5		56.5 N 161.2 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 5.00 CGS					
11		NP- eP	16 39 03.0	SZ	0.7	8.0	33.7	4.73
11		AD- eL	16 39 03	LZ	25	339.4	13.7	
11		MN- eP	16 41 48.8	SZ	1.2	15.3	54.1	4.91
11		LC- eP	16 43 02.2	SZ	1.0	6.9	64.8	4.75
11		RK- eLQ	17 01 22	LT	22	1438.7	56.5	
		eL	02 47	LT	17	2283.4		
		eL	02 47	LR	18	1973.2		
		eL	02 47	LZ	10	759.5		
		eLR	05 00	LZ	15	3039.4		
11		DH- eL	17 06 45	LZ	33	715.4	70.9	
							AVG.	4.79
11	16 45 09.*		20. N 108.9 W REVILLA GIGEDO ISLANDS REG.					
			H= 33 KM MAG 4.60 CGS					
11		LC- eP	16 48 10.0	SZ	1.6	68.8	12.5	5.45
		eP	48 11	LZ	11	904.0		
		eL	50 50	LR	999	9999.9		
		eL	52 44	SR	4.5	702.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11		MN- eP	16 49 40.5	SZ	1.3	33.6	20.0	4.45
		eL	53 35	LT	15	2096.8		
11		RK- eP	16 51 42.6	SZ	1.5	44.5	33.0	5.14
11		NP- eP	16 54 47.5	SZ	1.5	36.4	56.5	5.19
							AVG.	5.05
11	16 57 24.4		56.6 N 161.4 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 5.20 CGS					
11		AD- eL	17 03 40	LZ	20	470.9	13.6	
11		MN- eP	17 06 48.5	SZ	1.0	9.1	54.0	4.76
11		RK- eP	17 07 04.0	SZ	1.0	22.7	56.4	5.16
11		LC- eP	17 08 02.5	SZ	1.0	9.9	64.7	4.90
		eL	24 40	LZ	999	9999.9		
11		NP- eL	17 14 45	LZ	16	45.0	33.5	
							AVG.	4.94
11	17 18 43.*		19.8 N 108.9 W REVILLA GIGEDO ISLANDS REG.					
			H= 33 KM MAG 3.90 CGS					
11		LC- e	17 21 48	SZ	1.0	4.9	12.7	
		eL	18 23 43	LZ	30	280.4		
11	17 23 18.*		55.8 N 161.0 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.40 CGS					
11		MN- eP	17 32 44.0	SZ	1.3	6.4	54.5	4.49
11	17 26 25.*		56.8 N 161.8 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.60 CGS					
11		NP- eP	17 33 01.5	SZ	0.6	92.6	33.2	5.86
11		MN- eP	17 35 46.0	SZ	1.0	4.1	53.7	4.40
11		LC- eP	17 36 58.8	SZ	1.0	3.9	64.4	4.50
							AVG.	4.92
11	17 28 50.5		56.6 N 161.4 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 5.10 CGS					
11		NP- eP	17 35 28.5	SZ	0.8	14.1	33.5	4.92
11		AD- eL	17 35 30	LZ	30	805.7	13.6	
11		MN- eP	17 38 14.4	SZ	1.0	8.3	54.0	4.72
11		RK- eP	17 38 27.2	SZ	1.5	37.1	56.4	5.19
11		LC- eP	17 39 28.2	SZ	1.2	13.8	64.7	4.96
							AVG.	4.94
11	17 53 19.3		56.5 N 161.3 E NEAR EAST COAST OF KAMCHATKA					
			H= 33 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	AD-	eL	18 00 00	LZ	24.	438.4	13.7	
11	MN-	eP	18 02 43.8	SZ	0.9	6.4	54.1	4.65
11	RK-	eP	18 02 58.5	SZ	1.2	23.3	56.5	5.09
11	LC-	eP	18 03 57.0	SZ	0.7	2.4	64.8	4.45
							AVG.	4.73
11	RK-	eP	18 12 36.4	SZ	0.2	3.6	3.1	
		eS	13 15	SR	0.3	14.3		
11	18 18 52.7		56.5 N 161.3 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 5.30 CGS					
11	AD-	eP	18 22 12.0	SZ	1.4	228.9	13.7	5.73
		eL	25 00	LZ	999	9999.9		
11	MN-	eP	18 28 16.6	SZ	1.5	41.6	54.1	5.24
11	RK-	eP	18 28 31.0	SZ	1.3	38.8	56.5	5.28
11	LC-	eP	18 29 29.5	SZ	1.1	11.0	64.8	4.90
							AVG.	5.28
11	LC-	eP	18 20 41.5	SZ	0.8	5.9		
11	MN-	eP	18 22 12.0	SZ	1.0	6.6		
11	18 37 20.*		19.6 N 109.0 W REVILLA GIGEDO ISLANDS REG. H= 33 KM MAG 4.40 CGS					
11	LC-	eP	18 40 25.5	SZ	1.0	7.9	12.9	4.68
11	MN-	eP	18 41 56.4	SZ	1.0	5.0	20.4	3.76
							AVG.	4.22
11	18 48 56.6		13.4 S 75.0 W PERU H= 99 KM MAG 5.00 CGS					
11	LC-	eP	18 58 17.0	SZ	0.9	10.7	54.7	4.88
11	DH-	eP	18 58 21.8	SZ	0.8	67.9	55.4	5.73
11	MN-	eP	18 59 28.8	SZ	0.7	1.6	65.5	4.08
11	RK-	eP	18 59 32.7	SZ	0.7	21.3	66.0	5.19
11	NP-	eP	19 02 01.5	SZ	0.5	9.7	93.3	5.42
							AVG.	5.06
11	NP-	eP	18 58 05.5	SZ	1.6	33.2		
11	AD-	eL	18 58 20	LZ	23	518.4		
11	19 06 57.1		56.5 N 161.3 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 5.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	AD-	eL	19 13 20	LZ	999.	9999.9	13.7	
11	NP-	eP	19 13 35.0	SZ	0.9	21.9	33.6	5.05
		eL	19 23	LZ	28	76.5		
11	MN-	eP	19 16 21.2	SZ	1.2	35.8	54.1	5.28
		eL	33 08	LZ	30	1310.8		
11	RK-	eP	19 16 36.0	SZ	1.3	87.4	56.5	5.63
11	LC-	eP	19 17 34.4	SZ	1.3	32.6	64.8	5.30
		eLQ	35 05	LT	30	244.0		
		eLR	38 46	LZ	29	9999.9		
11	DH-	eL	19 38 25	LR	45	1749.5	70.8	
11	JE-	eL	19 41 55	LR	38	3291.9	72.5	
							AVG.	5.31
11	19 13 39.3		56.6 N 161.3 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 5.20 CGS					
11	AD-	eP	19 16 59.2	SZ	1.3	246.5	13.7	5.79
11	NP-	eP	19 20 17.0	SZ	1.2	22.4	33.5	4.94
11	MN-	eP	19 23 02.7	SZ	1.0	16.6	54.1	5.02
11	RK-	eP	19 23 18.3	SZ	1.3	48.5	56.4	5.37
		eL	41 00	LZ	22	1319.8		
11	LC-	eP	19 24 16.5	SZ	1.2	16.8	64.7	5.05
							AVG.	5.23
11	19 16 57.*		38.7 N 140.1 E HONSHU. JAPAN H= 89 KM MAG 4.40 CGS					
11	AD-	eL	20 19 45	LZ	23.	539.1		
11	LC-	eP	20 34 43.0	SZ	0.2	7.1	1.5	
		eS	35 02	SR	0.2	4.6		
11	MN-	eP	21 20 45.1	SZ	0.2	17.4	.1	
		eS	20 49	SR	0.2	19.9		
11	21 28 03.		13.7 S 167.2 E NEW HEBRIDES ISLANDS H=135 KM MAG 3.90 CGS					
11	LC-	eP	21 55 23.0	SZ	0.2	3.8	1.8	
		eS	55 48	SR	0.3	3.1		
11	MN-	eP	22 09 51.8	SZ	0.2	10.3	.6	
		eS	10 00	SR	0.2	13.8		
11	23 38 47.2		11.9 N 143.1 E SOUTH OF MARIANA ISLANDS H= 33 KM MAG 4.70 CGS					
11	MN-	eP	23 51 43.5	SZ	0.7	2.9	89.4	4.58

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	00 55 26.*		33.2 S 179.9 W SOUTH OF KERMADEC ISLANDS H= 74 KM MAG 4.20 CGS					
12	01 12 08.*		33. S 179.7 E SOUTH OF KERMADEC ISLANDS H= 8 KM					
12	AD-	eL	01 51 40	LZ	25.	346.7	84.6	
12	MN-	eP	04 34 01.0	SZ	999.9	9999.9		
12	05 16 26.2		47.1 N 146.6 E NORTHWEST OF KURILE ISLANDS H=328 KM MAG 4.80 CGS					
12	NP-	eP	05 24 16.7	SZ	1.0	8.3	45.8	4.02
12	RK-	eP	05 27 00.0	SZ	0.5	16.5	69.5	4.99
12	LC-	eP	05 27 46.0	SZ	0.7	7.4	77.2	4.53
		epP	29 07	SZ	1.3	5.7		
							AVG.	4.51
12	MN-	eP	05 45 18.0	SZ	1.5	28.1		
12	MN-	e	05 45 26	SZ	1.2	41.7		
12	LC-	eP	05 45 47.0	SZ	1.0	7.9		
12	AD-	e	05 46 40	LZ	22	190.6		
12	JE-	eP	05 46 51.0	SZ	1.2	29.8		
12	AD-	e	05 53 30	LZ	22	1271.2		
12	MN-	e	05 55 20	LR	18	764.6		
12	LC-	e	05 56 17	LR	20	780.9		
12	JR-	e	05 57 19	LZ	17	336.9		
12	MN-	e	06 00 20	LR	18	671.4		
12	AD-	eLQ	06 00 35	LZ	30	360.1		
12	AD-	eLR	06 04 45	LZ	999	9999.9		
12	MN-	e	06 05 00	LR	32	1831.5		
12	RK-	e	06 05 25	LT	25	604.9		
12	MN-	e	06 05 48	LR	27	9999.9		
12	JR-	eL	06 06 34	LR	35	1812.9		
12	LC-	e	06 08 00	LR	33	2936.7		
12	DH-	e	06 08 12	LR	27	546.5		
12	RK-	e	06 09 03	LT	20	366.2		
12	MN-	eL	06 10 30	LZ	22	2731.5		
12	LC-	eL	06 12 00	LZ	26	2316.7		
12	RK-	e	06 15 12	LT	33	3357.1		
12	JE-	eL	06 16 11	LZ	31	1360.1		
12	AD-	eP	06 17 04.0	SZ	0.2	15.2	2.0	
		eS	17 30	SR	0.2	88.7		
12	DH-	e	06 18 30	LT	23	710.6		
12	RK-	eLR	06 21 05	LZ	26	2390.2		
12	DH-	eL	06 25 07	LZ	28	724.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	MN-	eP	09 12 19.5	SZ	0.3	6.8	1.7	
		eS	12 43	SR	0.3	14.6		
12	AD-	eP	09 13 08.5	SZ	0.2	15.2	1.8	
12	MN-	eS	09 13 31	SR	0.4	8.7		
12	AD-	eS	09 13 36	ST	0.2	65.7	1.8	
12	09 25 54.1		16.7 S 174.6 W TONGA ISLANDS H=190 KM MAG 4.80 CGS					
12	MN-	eP	09 37 23.0	SZ	0.9	24.5	76.2	4.95
		epP	38 15	SZ	1.9	70.9		
12	JR-	eP	09 37 37.2	SZ	0.8	19.7	78.4	4.90
		epP	38 27	SZ	1.0	11.9		
12	LC-	eP	09 37 52.0	SZ	0.9	20.7	81.3	4.87
		epP	38 43	SZ	1.0	6.9		
		e	39 22	SZ	1.0	5.9		
							AVG.	4.90
12	NP-	eP	11 18 05.4	SZ	1.0	8.3		
12	12 13 34.6		18. S 69.8 W NORTHERN CHILE H= 80 KM MAG 4.80 CGS					
12	LC-	eP	12 23 43.0	SZ	1.0	3.9	61.3	4.43
12	13 21 13.*		29.1 S 178.3 W KERMADEC ISLANDS REGION H=136 KM MAG 3.70 CGS					
12	13 34 19.*		27. N 127.1 E RYUKYU ISLANDS H= 33 KM MAG 3.90 CGS					
12	13 57 58.8		36.7 N 139.0 E HONSHU, JAPAN H= 28 KM MAG 4.80 CGS					
12	NP-	eP	14 07 40.0	SZ	0.9	11.1	57.4	4.89
12	MN-	eP	14 09 49.0	SZ	1.2	7.3	76.8	4.60
							AVG.	4.74
12	JR-	eP	18 00 30.0	SZ	0.4	16.4	3.4	
12	LC-	eS	18 00 57	SR	0.3	6.8		
12	JR-	eS	18 01 12	SR	0.3	34.0	3.4	
12	19 57 37.		42.1 N 142.5 E HOKKAIDO, JAPAN REGION H= 69 KM MAG 5.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	NP-	eP	20 06 26.3	SZ	0.9	14.8	51.4	4.99
12	RK-	eP	20 09 12.2	SZ	0.5	14.5	75.3	5.14
12	AD-	eL	20 11 30	LZ	30	385.9	29.2	
							AVG.	5.06
12	20 07 25.4		37.7 N 118.0 W CALIFORNIA NEVADA BORDER					
			H= 20 KM MAG 3.80 CGS					
12	MN-	iP	20 07 38.5C	SZ	999.9	9999.9	.7	
12	LC-	eP	20 09 54.3	SZ	0.8	5.9	10.7	4.97
		eL	13 16	ST	3.2	98.7		
12	LC-	eP	22 00 31.3	SZ	0.2	2.3	1.5	
		eS	00 50	SR	0.2	14.6		
12	JR-	eP	22 55 53.0	SZ	999.9	9999.9		
12	23 14 30.*		16.7 N 145.6 E MARIANA ISLANDS					
			H= 73 KM					
13	00 35 49.*		18.5 S 177.1 W FIJI ISLANDS REGION					
			H=329 KM MAG 4.20 CGS					
13	LC-	eL	01 14 15	LZ	30.	167.0	84.3	
13	01 38 30.6		6.6 S 131.0 E TANIMBAR ISLANDS REGION					
			H= 53 KM MAG 4.00 CGS					
13	MN-	eP	03 55 42.5	SZ	0.4	6.0	.8	
		eS	55 55	SR	0.4	10.5		
13	05 05 10.8		37.6 N 118.0 W CALIFORNIA NEVADA BORDER					
			H= 20 KM MAG 4.20 CGS					
13	MN-	eP	05 05 24.4	SZ	999.9	9999.9	.8	
		eL	05 38	LZ	14	1281.4		
13	JR-	eP	05 06 35.5	SZ	0.6	4.0	5.6	4.24
		e	06 54	SZ	0.6	18.1		
		eL	08 08	ST	0.9	42.1		
		eL	09 30	LZ	20	459.1		
13	LC-	eP	05 07 33.0	SZ	1.0	3.9	10.7	4.71
		eL	10 47	ST	1.6	13.5		
							AVG.	4.47
13	RK-	eL	06 21 00	LZ	40.	1007.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	08 02 38.5		13. N 88.6 W OFF COAST OF CENTRAL AMERICA					
			H= 86 KM MAG 4.90 CGS					
13	JE-	eP	08 06 57.5	SZ	0.7	38.6	19.0	4.83
		eP	06 58	LZ	15	473.2		
		e	10 25	LZ	18	638.1		
		eL	12 20	LZ	31	1042.7		
13	LC-	eP	08 07 59.5	SZ	0.5	8.6	25.4	4.51
		e	12 20	LR	17	392.1		
		eL	15 38	LZ	32	422.2		
13	JR-	eP	08 08 45.5	SZ	1.0	7.2	30.3	4.38
		eL	19 05	LZ	33	430.4		
13	DH-	eP	08 08 53.5	SZ	0.7	26.5	31.5	5.11
		e	09 15	SZ	0.8	26.2		
13	MN-	eP	08 09 38.0	SZ	1.0	11.9	36.5	4.76
		eL	21 40	LZ	30	379.8		
13	RK-	eP	08 09 47.5	SZ	1.0	57.5	38.0	5.43
13	NP-	eP	08 13 11.0	SZ	0.4	8.2	65.3	5.06
							AVG.	4.86
13	MN-	eP	08 11 59.5	SZ	0.8	5.6		
13	AD-	eP	10 11 41.0	SZ	0.3	16.5	2.3	
		eS	12 09	SR	0.3	68.0		
13	AD-	eP	11 04 55.5	SZ	0.4	192.1	.6	
		eS	05 04	ST	999.9	9999.9		
13	13 28 03.*		7.4 S 125.4 E BANDA SEA					
			H=368 KM					
13	15 15 27.4		18.1 S 178.4 W FIJI ISLANDS REGION					
			H=574 KM MAG 4.50 CGS					
13	LC-	eP	15 27 04.5	SZ	1.0	10.9	85.0	4.44
13	21 57 30.*		29.2 S 178.1 W KERMADEC ISLANDS REGION					
			H= 77 KM MAG 5.40 CGS					
13	MN-	eP	22 10 10.5	SZ	0.9	4.3	87.5	4.54
		eL	33 25	LR	45	2381.4		
13	LC-	eP	22 10 28.5	SZ	1.0	4.9	91.4	4.75
		eS	21 35	LR	15	399.0		
		esP	22 40	LZ	18	187.2		
		eL	35 20	LR	25	465.0		
13	JR-	eP	22 10 30.0	SZ	0.7	5.9	89.1	4.85

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	42 45	LZ	25.	703.2		
13	AD-	eL	22 35 10	LZ	28	1588.9	80.7	
13	RK-	eL	22 44 10	LT	28	316.5	108.8	
13	JE-	eL	22 47 10	LZ	25	436.6	101.7	
13	DH-	eL	22 50 15	LT	26	593.4	118.3	
							AVG.	4.71
13	RK-	e	22 47 50	LZ	35.	613.0		
13	RK-	e	22 51 10	LZ	25	567.6		
13	DH-	e	22 55 10	LZ	25	1178.2		
13	RK-	eL	22 56 30	LZ	18	676.2		
13	DH-	eL	23 02 10	LZ	16	1123.7		
13	23 10 00.*		45.1 N 111.4 W MONTANA					
			H= 20 KM MAG 4.20 CGS					
14	MN-	eP	01 45 48.0	SZ	0.7	2.9		
14	03 32 53.*		23.5 S 64.2 W JUJUY PROVINCE, ARGENTINA					
			H= 65 KM MAG 4.30 CGS					
14	03 56 06.		33.6 N 131.6 E KYUSHU, JAPAN					
			H= 60 KM MAG 5.30 CGS					
14	NP-	eP	04 06 20.0	SZ	0.5	70.1	62.0	6.03
14	MN-	eP	04 08 27.6	SZ	1.2	19.6	83.5	5.03
		epP	08 45	SZ	1.5	119.0		
		eL	35 00	LZ	38	481.9		
14	RK-	eP	04 08 45.0	SZ	1.1	86.4	86.9	5.77
14	JR-	eP	04 08 59.5	SZ	1.2	11.3	89.6	4.91
		epP	09 17	SZ	1.0	19.6		
		eL	37 30	LZ	40	760.0		
14	LC-	eP	04 09 20.8	SZ	1.5	17.0	94.5	5.24
		epP	09 40	SZ	1.2	41.7		
		eLR	40 40	LZ	43	720.0		
14	AD-	eL	04 14 10	LZ	35	1884.5	41.2	
14	JE-	eLR	04 46 00	LZ	35	564.9	103.1	
							AVG.	5.39
14	RK-	eL	03 59 06	LZ	32.	183.4		
14	JR-	eP	05 11 03.5	SZ	0.6	7.1	3.7	
		eS	11 50	ST	0.4	18.2		
14	MN-	eP	05 21 45.5	SZ	0.5	1.9		
14	05 56 47.8		36.6 N 140.3 E NEAR E. COAST HONSHU, JAPAN					
			H= 90 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	NP-	eP	06 06 26.0	SZ	0.7	127.4	57.2	6.06
14	MN-	eP	06 08 26.8	SZ	1.0	2.2	76.1	3.98
14	JR-	eP	06 09 00.0	SZ	0.8	2.9	82.2	4.21
							AVG.	4.75
14	MN-	eP	07 15 23.0	SZ	0.4	7.2	.9	
		e	15 35	SR	0.3	6.2		
14	10 42 15.*		60.2 N 149.4 W KENAI PENINSULA, ALASKA					
			H= 47 KM MAG 3.70 CGS					
14	10 53 01.*		40. S 144.3 E BASS STRAIT					
			H= 33 KM					
14	RK-	eLQ	12 38 10	LT	35.	2364.9		
14	RK-	eLR	12 41 32	LZ	25	2003.3		
14	12 52 46.3		18.2 N 105.5 W OFF COAST OF JALISCO, MEXICO					
			H= 33 KM MAG 5.30 CGS					
14	LC-	eP	12 56 07.6	SZ	0.1	31.3	14.2	5.86
		eP	56 10	LZ	15	290.5		
		eS	58 48	LR	22	967.4		
		eLR	13 00 15	LZ	22	9999.9		
		eL	00 31	ST	2.1	64.6		
14	JR-	eP	12 56 50.5	SZ	0.9	28.2	17.5	4.43
		eP	56 52	LZ	20	208.7		
		eS	13 00 15	LT	22	2796.1		
		eLR	01 25	LZ	21	1635.2		
14	JE-	eP	12 56 55	LZ	15	1630.2	18.2	
		e	13 00 30	LZ	22	1422.8		
		eL	02 00	LZ	28	2737.2		
14	MN-	eP	12 57 48.0	SZ	2.5	277.8	23.0	5.28
		eS	13 02 05	LT	22	1726.3		
		eLR	04 25	LZ	25	2138.7		
14	RK-	eP	12 59 25.5	SZ	1.0	30.0	33.9	5.14
14	NP-	eP	13 02 27.5	SZ	0.8	5.8	58.5	4.66
		eL	24 55	LZ	16	913.4		
14	DH-	eLR	13 13 40	LZ	20	2301.3	35.4	
14	AD-	eL	13 22 40	LZ	27	593.0	64.3	
							AVG.	5.07
14	MN-	eP	14 06 38.8	SZ	0.6	2.1	.8	
		eS	06 50	ST	0.4	10.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14			10.3 S 119.9 E SUMBA ISLAND REGION					
			H= 33 KM					
14			5.3 S 146.8 E EAST NEW GUINEA REGION					
			H=228 KM MAG 4.30 CGS					
14	LC-	eP	17 54 43.0	SZ	0.3	.4	1.5	
		eS	55 01	SR	999.9	9999.9		
14			18.5 S 168.8 E NEW HEBRIDES ISLANDS					
			H= 89 KM					
14			18.1 S 168.0 E NEW HEBRIDES ISLANDS					
			H= 5 KM MAG 4.40 CGS					
14	LC-	eP	22 51 02.7	SZ	0.3	2.7	.1	
		eS	51 08	ST	0.3	8.4		
15	MN-	eP	00 17 28.0	SZ	0.4	.5		
15	AD-	eP	00 25 08.4	SZ	0.3	74.1	1.0	
		eS	25 21	SR	0.3	226.7		
15			18.5 N 105.6 W OFF COAST OF JALISCO, MEXICO					
			H= 33 KM MAG 4.40 CGS					
15	LC-	eP	00 34 50.5	SZ	1.3	9.3	13.9	4.29
		eLQ	38 38	LR	22	672.6		
		eLR	39 15	LZ	18	1131.3		
15	MN-	eP	00 36 30.5	SZ	1.8	19.0	22.7	4.24
							AVG.	4.26
15	LC-	eP	00 49 42.8	SZ	1.0	1.9		
15			36.1 N 139.6 E HONSHU, JAPAN					
			H= 71 KM MAG 4.90 CGS					
15	MN-	eP	01 07 22.8	SZ	1.2	8.6	76.8	4.54
15			19.2 N 108.9 W REVILLA GIGEDO ISLANDS REG.					
			H= 33 KM MAG 3.70 CGS					
15	LC-	eP	02 53 52.0	SZ	0.8	4.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	NP-	eP	03 37 08.4	SZ	1.1	27.1		
15	04	34 30.3	9.4 N 126.3 E MINDANAO, PHILIPPINE ISLANDS					
			H= 62 KM MAG 5.50 CGS					
15	MN-	eP	05 31 35.0	SZ	0.2	1.1	.9	
		eS	31 48	SR	0.3	2.3		
15	06	33 23.5	35.6 N 45.7 E IRAN IRAQ BORDER REGION					
			H= 33 KM MAG 4.70 CGS					
15	06	38 13.*	37.8 S 72.4 W CENTRAL CHILE					
			H= 79 KM MAG 4.10 CGS					
15	07	22 08.	18. S 178.3 W FIJI ISLANDS REGION					
			H=608 KM MAG 4.20 CGS					
15	MN-	eP	07 33 14.4	SZ	0.8	4.7	79.5	
15	LC-	eP	07 33 42.2	SZ	1.2	7.4	84.9	
15	09	33 46.7	29.9 N 51.0 E SOUTHERN IRAN					
			H= 33 KM					
15	LC-	eL	13 50 35	LZ	15.	357.9		
15	LC-	eL	14 11 38	LZ	17	242.1		
15	14	12 49.6	17.9 N 105.9 W OFF COAST OF JALISCO, MEXICO					
			H= 33 KM MAG 4.10 CGS					
15	LC-	eP	14 16 15.0	SZ	1.0	3.8	14.5	3.89
		eLQ	19 53	LR	27	804.6		
		eLR	21 00	LZ	17	1029.1		
		eL	15 54 07	LR	20	740.6		
15	MN-	eP	14 17 56.0	SZ	1.4	7.6	23.1	3.97
15	JE-	eL	14 22 40	LZ	25	349.8	18.7	
15	RK-	eL	14 30 30	LT	18	1163.4	34.3	
							AVG.	3.93
15	15	42 34.4	17.8 N 105.9 W OFF COAST OF JALISCO, MEXICO					
			H= 33 KM MAG 4.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	LC-	eP	15 46 01.0	SZ	0.9	5.2	14.6	4.04
		e	49 07	SZ	1.3	5.5		
15	MN-	eP	15 47 40.5	SZ	1.5	14.0	23.2	4.21
15	JE-	eL	15 52 45	LZ	30	311.4	18.8	
15	RK-	eL	16 00 10	LT	20	1200.7	34.4	
							AVG.	4.12
15	15 52 21.5		24. N 122.2 E TAIWAN REGION H= 42 KM MAG 5.40 CGS					
15	NP-	eP	16 03 48.0	SZ	0.3	10.8	73.2	5.32
15	MN-	eP	16 05 46.5	SZ	0.8	1.8	96.0	4.67
		eL	44 48	LZ	21	634.0		
15	AD-	eL	16 15 40	LZ	40	666.5	53.8	
15	DH-	e	16 22 20	LZ	17	269.3	112.2	
		eL	47 05	LZ	32	516.6		
15	RK-	eL	16 40 00	LZ	22	226.6	99.0	
15	LC-	e	16 43 00	LZ	35	304.4	107.1	
		eLQ	48 30	LT	23	380.2		
		eLR	50 00	LZ	23	312.7		
15	JE-	eL	16 52 50	LZ	17	376.1	115.6	
							AVG.	4.99
15	AD-	eP	16 25 05.5	SZ	0.3	4.5	1.1	
		eS	25 20	SR	0.3	141.7		
15	MN-	eP	16 42 03.0	SZ	0.9	1.8		
15	JR-	eP	16 43 22.5	SZ	1.0	4.7		
15	LC-	eP	16 44 15.0	SZ	1.0	2.9		
15	16 45 44.8		49.5 S 163.6 E AUCKLAND ISLANDS REGION H= 33 KM					
15	17 12 43.9		36.5 N 70.9 E HINDU KUSH REGION H=220 KM MAG 5.00 CGS					
15	NP-	eP	17 33 16.6	SZ	1.0	50.0		
15	17 34 10.*		17.4 S 169.1 E NEW HEBRIDES ISLANDS H=222 KM					
15	LC-	eP	19 44 45.0	SZ	0.2	14.7	1.4	
		eS	45 03	SR	0.4	11.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	20 03 49.6		34.9 N 5.2 W MOROCCO H= 3 KM MAG 5.00 CGS					
15	LC-	eP	20 16 05.0	SZ	1.1	4.7	80.4	4.37
15	23 57 21.*		47.2 N 147.3 E NORTHWEST OF KURILE ISLANDS H=297 KM MAG 4.80 CGS					
16	DH-	eP	00 09 15.7	SZ	0.7	31.0	83.4	5.24
16	02 46 43.*		36.9 N 121.8 W CENTRAL CALIFORNIA H= 33 KM MAG 5.25 CGS					
16	MN-	iP	02 47 32.3D	SZ	999.9	9999.9	3.3	
		eP	47 35	LZ	17	787.2		
		eLQ	48 15	LR	999	9999.9		
		eLR	48 30	LZ	22	3155.1		
16	LC-	eP	02 49 54.5	SZ	0.9	6.0	13.3	4.49
		eL	52 55	LT	21	1397.4		
		eL	53 38	SR	1.3	11.1		
16	JE-	eP	02 52 06.5	SZ	0.7	9.5	25.1	4.53
		e	57 00	LZ	23	403.8		
		eL	59 20	LZ	25	330.5		
16	DH-	eP	02 53 45.6	SZ	0.6	11.2	36.2	4.89
		eLQ	03 04 55	LT	25	2289.4		
		eL	06 24	LT	18	3642.9		
		eL	06 24	LR	20	923.9		
		eL	06 24	LZ	12	433.5		
		eLR	08 40	LZ	18	953.5		
16	NP-	eP	02 54 12.7	SZ	1.1	18.0	39.5	4.70
							AVG.	4.65
16	04 47 27.5		36.3 N 70.4 E HINDU KUSH REGION H=225 KM MAG 5.50 CGS					
16	NP-	eP	04 58 00.5	SZ	1.0	80.7	67.5	5.41
16	05 27 33.8		39.8 N 39.9 E TURKEY H= 39 KM MAG 5.10 CGS					
16	DH-	eL	06 10 52	LZ	26	376.2	79.2	
16	JE-	eL	06 17 55	LZ	25	247.8	96.0	
16	LC-	eL	06 23 42	LZ	25	110.5	101.7	
16	05 59 57.4		49.7 N 78.0 E EASTERN KAZAKH SSR H= KM MAG 6.00 CGS					
16	MN-	iP	06 13 06.0C	SZ	0.5	9999.9	91.1	
16	LC-	eP	06 13 38.4	SZ	0.6	2.8	98.2	5.18
16	AD-	eP	06 33 21.3	SZ	0.2	76.8	.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	33 29	SR	0.2	249.4		
16	AD-	eP	08 23 32.5	SZ	0.2	38.4	1.3	
		eS	23 50	SR	0.2	105.8		
16	08 54 09.*		56.1 S 27.5 W SOUTH SANDWICH ISLANDS REG. H=163 KM MAG 4.90 CGS					
16	NP-	eP'1	09 13 27.8	SZ	0.6	11.2	144.0	
16	09 34 42.*		22.8 S 171.6 E LOYALTY ISLANDS REGION H= 25 KM					
16	AD-	eP	09 45 01.3	SZ	0.2	53.7	1.4	
		eS	45 19	SR	0.2	75.5		
16	NP-	eP	10 55 02.5	SZ	0.9	10.9		
16	AD-	eP	11 00 44.8	SZ	0.5	36.5	4.2	
		eS	01 37	SR	0.5	41.9		
16	DH-	eL	12 03 25	LZ	23	621.4		
16	JE-	eL	12 08 17	LZ	28	240.2		
16	LC-	eL	12 13 55	LZ	38	184.0		
16	12 16 19.3		47.1 N 154.1 E KURILE ISLANDS H= 33 KM MAG 4.40 CGS					
16	AD-	eL	12 25 50	LZ	22	212.8	19.5	
16	12 38 29.7		47.4 N 154.2 E KURILE ISLANDS H= 33 KM MAG 5.70 CGS					
16	NP-	eP	12 46 34.2	SZ	0.8	117.4	43.7	5.67
16	AD-	eL	12 47 32	LZ	32	914.5	19.3	
16	LC-	eP	12 49 55.0	SZ	0.7	.4	72.6	3.64
16	DH-	eP	12 50 46.5	SZ	1.0	8.9	80.7	4.66
							AVG.	4.65
16	AD-	eP	13 11 02.8	SZ	0.2	115.2	.6	
		eS	11 12	ST	0.2	324.6		
16	13 50 58.5		48.3 N 154.6 E KURILE ISLANDS H= 33 KM MAG 4.70 CGS					
16	MN-	eP	14 01 10.5	SZ	0.7	1.3	60.9	4.16
16	LC-	eL	14 20 27	LZ	13	105.4	71.9	
16	AD-	eP	15 45 27.0	SZ	0.2	23.0	2.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	45 54	SR	0.3	28.3		
16	LC-	eP	15 49 58.8	SZ	0.2	2.8	3.0	
		eS	50 36	SR	0.4	7.6		
16	MN-	eP	16 04 43.5	SZ	0.2	.8	3.2	
		eS	05 24	SR	0.3	2.5		
16	16 53 18.*		16.5 N 98.0 W NEAR COAST GUERRERO, MEXICO H=103 KM MAG 4.30 CGS					
16	LC-	eP	16 57 15.5	SZ	0.8	2.9	17.6	3.57
		eLQ	17 02 32	LT	14	2476.1		
		eLR	04 20	LZ	10	3024.1		
		eL	04 28	LR	10	7284.8		
		eL	04 28	LT	10	2142.4		
		eL	04 28	LZ	10	3024.1		
16	MN-	eP	16 59 01.7	SZ	1.0	4.6	28.1	4.07
		eL	17 07 07	LT	30	237.5		
							AVG.	3.82
16	MN-	eP	17 34 30.7	SZ	0.8	3.8		
16	18 21 14.5		50. N 156.5 E KURILE ISLANDS H= 33 KM MAG 4.70 CGS					
16	LC-	eP	20 25 14.8	SZ	0.2	11.2	1.4	
		eS	25 33	SR	0.2	8.2		
16	20 35 06.*		51.6 N 178.5 E RAT ALEUTIAN ISLANDS H= 33 KM MAG 4.90 CGS					
16	AD-	eP	20 36 02.5	SZ	0.3	305.2	3.0	5.81
		eL	36 20	LZ	17	587.3		
		eS	36 37	ST	0.3	9999.9		
16	MN-	eP	20 43 23.4	SZ	0.7	6.9	45.3	4.66
16	LC-	eP	20 44 46.3	SZ	0.8	11.6	56.3	4.96
							AVG.	5.14
16	21 37 31.		30.9 S 66.8 W LA RIOJA PROVINCE, ARGENTINA H= 33 KM MAG 4.30 CGS					
16	22 09 48.*		85.8 N 88.3 E NORTH OF SEVERNAYA ZEMLYA H= 33 KM MAG 4.50 CGS					
16	LC-	eL	22 43 10	LZ	25.	90.4	61.9	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	22 40 44.		1. N 118.8 E BORNEO H= 33 KM MAG 6.70 CGS					
16	LC-	eP:	22 59 45.3	SZ	1.2	21.1	125.8	
		eLQ	23 33 00	LT	40	866.0		
		eLR	38 30	LZ	17	106.1		
16	MN-	ePKKP	23 10 16	SZ	0.8	3.8	114.7	
16	AD-	eL	23 15 00	LZ	30	335.9	73.7	
16	23 05 29.2		15.8 S 173.0 W TONGA ISLANDS H= 12 KM MAG 4.80 CGS					
16	MN-	eP	23 17 09.5	SZ	0.9	10.0	74.5	4.83
		eL	35 00	LZ	24	440.3		
16	LC-	eP	23 17 38.5	SZ	0.8	5.2	79.5	4.55
16	JE-	eL	23 45 35	LZ	18	150.9	90.8	
							AVG.	4.69
16	MN-	eP	23 14 42.7	SZ	0.8	2.7		
17	00 01 17.1		16.3 S 173.7 W TONGA ISLANDS H= 33 KM MAG 5.40 CGS					
17	MN-	eP	00 12 59.2	SZ	1.0	34.9	75.3	5.30
17	JR-	eP	00 13 13.1	SZ	1.0	21.4	77.5	5.13
17	LC-	eP	00 13 27.5	SZ	1.1	30.3	80.4	5.13
							AVG.	5.18
17	01 26 26.*		27.5 N 55.0 E SOUTHERN IRAN H= 45 KM					
17	02 46 35.*		55.5 S 27.9 W SOUTH SANDWICH ISLANDS REG. H=115 KM MAG 5.00 CGS					
17	MN-	eL	04 35 30	LZ	30.	829.1		
17	JR-	eL	04 37 05	LZ	28	485.2		
17	08 08 56.7		23.5 S 175.7 W TONGA ISLANDS REGION H=320 KM MAG 4.40 CGS					
17	LC-	eP	08 21 03.8	SZ	0.8	4.0	86.2	4.32

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	08 15 39.3		5.7 S 150.7 E NEW BRITAIN REGION H= 45 KM MAG 7.25 CGS					
17	AD-	eP	08 26 08.7	SZ	0.7	71.7	63.8	5.86
		eP	26 10	LZ	999	9999.9		
17	MN-	eP	08 28 56.0	SZ	999.9	9999.9	94.4	
		iP	29 00 C	LZ	25	9999.9		
		ePP	32 45	LZ	30	2072.8		
		eSKS	39 33	ST	2.0	82.2		
		eS	40 00	LR	999	9999.9		
		ePKKP	46 00	SZ	2.0	74.6		
		eL	59 30	SZ	30.0	130.5U		
17	NP-	eP	08 29 00	LZ	25	5269.9	95.5	
		eP	29 00	SZ	1.8	280.1		6.44
17	JR-	eP	08 29 20.0	SZ	1.0	38.0	99.2	6.02
		eP	29 22	LZ	28	4901.0		
		ePP	33 15	LZ	27	4684.4		
		ePP	33 22	SZ	3.4	996.3		
		eSKS	40 05	LR	22	9999.9		
		e	47 20	LR	999	9999.9		
		eL	09 03 10	SZ	27.0	120.4U		
17	LC-	eP	08 29 41.3	SZ	1.0	23.6	103.8	6.00
		eP	29 44	LZ	27	9999.9		
		e	33 20	LZ	24	9999.9		
		ePP	34 06	SZ	1.1	25.5		
		eSKS	40 20	SR	3.5	312.5		
		e	42 40	LZ	999	9999.9		
		ePKKP	45 50	SZ	1.0	43.3		
		e	49 53	SZ	1.7	65.6		
		eL	09 04 00	SZ	27.5	52.0U		
17	RK-	ePD	08 30 10	LZ	28	2730.0	110.4	
		eP'	34 09	SZ	0.6	19.0		
		ePP	34 30	LZ	30	9999.9		
		eSKS	41 00	LT	35	7166.6		
		eSP	44 10	LZ	999	9999.9		
		ePKKP	45 18	SZ	0.8	11.9		
17	JE-	ePD	08 30 35	LZ	24	1720.1	116.1	
		eP'	34 21	SZ	1.3	172.0		
		ePP	35 20	LZ	25	5443.4		
		ePS	45 25	LR	999	9999.9		
		eL	09 04 40	LT	999	9999.9		
17	DH-	eP'	08 34 39.0	SZ	0.9	82.5	125.7	
		ePP	36 30	LZ	26	5935.5		
		eSKKP	47 45	LZ	35	9999.9		
		e	54 20	LR	999	9999.9		
		eLQ	09 08 50	LR	999	9999.9		
							AVG.	6.08
17	10 11 00.1		44.6 N 110.9 W YELLOWSTONE PARK, WYOMING H= 33 KM MAG 3.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	11 03 06.8		23.4 S 179.9 W SOUTH OF FIJI ISLANDS H=549 KM MAG 5.50 CGS					
17	MN-	eP	11 14 43.0	SZ	1.2	116.8	84.4	5.39
17	JR-	eP	11 14 55.2	SZ	1.0	52.3	86.6	5.20
17	LC-	eP	11 15 06.6	SZ	0.8	66.3	89.3	5.55
		epP	17 06	SZ	1.3	28.3		
							AVG.	5.38
17	14 37 53.*		3.5 S 150.1 E NEW IRELAND REGION H= 33 KM MAG 5.00 CGS					
17	MN-	eL	15 20 30	LZ	35.	345.0	93.5	
17	JR-	eL	15 23 25	LZ	32	379.8	98.5	
17	LC-	eL	15 25 40	LZ	28	339.6	103.1	
17	JE-	eL	15 35 20	LZ	20	173.4	115.4	
17	14 52 26.5		33.8 N 116.5 W SOUTHERN CALIFORNIA H= 14 KM MAG 4.50 CGS					
17	JR-	eP	14 53 29.0	SZ	0.4	9999.9	3.9	
17	MN-	eP	14 53 41.0	SZ	0.4	1.7	4.8	3.74
		eL	55 05	ST	0.9	25.3		
17	16 17 03.		13.2 N 89.6 W EL SALVADOR H= 54 KM MAG 4.50 CGS					
17	JE-	eP	16 21 20	LZ	12.	965.2	18.6	
		e	24 50	LZ	17	873.8		
		eL	26 45	LZ	32	2331.9		
17	LC-	eP	16 22 21.0	SZ	0.8	5.8	24.6	4.16
		eL	26 42	LZ	20	283.9		
17	MN-	eP	16 24 01.0	SZ	0.7	5.5	35.7	4.56
		eL	32 20	LT	30	664.3		
17	RK-	eP	16 24 12.0	SZ	0.5	9.5	37.7	4.89
		eL	34 55	LZ	40	1703.8		
							AVG.	4.53
17	JR-	eP	16 25 09.5	SZ	0.4	32.8		
17	JR-	eL	16 29 00	LZ	18	146.3		
17	MN-	eP	16 30 05.5	SZ	1.0	7.6		
17	17 40 57.4		1 S 122.9 E NORTHERN CELEBES H=160 KM MAG 5.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	19 00 10.4		12.7 N 144.9 E SOUTH OF MARIANA ISLANDS H= 43 KM MAG 5.10 CGS					
17	MN-	eP	19 12 56.3	SZ	1.1	3.1	87.6	4.41
		eS	23 40	LT	15	1466.2		
		eL	35 55	LT	30	1079.6		
17	JR-	eP	19 13 24.0	SZ	1.0	4.7	93.3	4.83
		eS	24 35	LT	17	863.9		
		eL	38 00	LT	30	437.0		
17	AD-	eL	19 19 55	LZ	22	588.1	49.8	
17	LC-	eS	19 25 10	LT	16	589.5	98.4	
		eSP	26 50	LZ	16	283.5		
		eL	45 35	LZ	31	425.7		
17	RK-	eL	19 44 50	LZ	22	181.3	98.8	
17	JE-	eL	19 55 25	LZ	25	630.2	109.8	
17	DH-	eL	19 59 00	LZ	25	378.6	114.2	
							AVG.	4.62
17	22 50 53.7		36.7 N 35.2 E TURKEY H= 37 KM MAG 4.50 CGS					
18	00 11 56.*		10.3 S 75.9 W PERU H= 24 KM MAG 4.30 CGS					
18	03 24 53.9		9.6 S 116.8 E SUMBAWA ISLAND REGION H= 82 KM MAG 4.80 CGS					
18	04 03 58.		13.1 S 75.0 W PERU H= 80 KM MAG 4.30 CGS					
18	05 01 41.4		31.2 S 67.6 W SAN JUAN PROVINCE, ARGENTINA H= 8 KM MAG 5.60 CGS					
18	JE-	eP	05 12 36.5	SZ	1.3	145.6	66.8	6.03
		eP	12 37	LZ	12	437.9		
		ePPP	16 42	LZ	14	292.2		
		e	29 35	LZ	22	302.8		
		eL	32 55	LZ	20	170.5		
18	LC-	eP	05 13 15.3	SZ	1.1	59.5	73.2	5.59
		eP	13 16	LZ	20	116.0		
		eSP	23 05	LZ	27	121.0		
		e	31 25	LZ	22	168.6		
		eLR	38 00	LZ	30	150.1		
18	DH-	eP	05 13 16.1	SZ	1.4	126.1	73.4	5.79

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	JR-	eP	05 13 42.3	SZ	1.0	63.7	77.8	5.68
18	MN-	eP	05 14 02.7	SZ	1.5	27.6	83.8	5.24
18	RK-	eP	05 14 17.2	SZ	0.8	23.9	84.9	5.45
		eSKKP	35 35	LZ	20	116.9		
		eLR	46 55	LZ	22	362.6		
							AVG.	5.63
18	LC-	eL	06 14 45	LZ	17.	128.1		
18	JR-	eP	06 17 21.0	SZ	0.5	1.8	3.3	
		eS	18 03	ST	0.5	42.4		
		eP	08 55 22.5	SZ	0.5	1.8		
		eS	56 05	SR	0.5	19.8		
18	10 26 50.*		44.1 N 114.1 W WESTERN IDAHO H= 33 KM MAG 3.60 CGS					
18	JR-	eL	10 35 00	LZ	45.	572.5		
18	MN-	e	10 37 00	LZ	26	164.4		
18	MN-	eL	10 43 15	LZ	25	144.7		
18	13 21 47.2		51.7 N 174.2 W ANDREANOF ALEUTIAN ISLANDS H= 12 KM MAG 5.30 CGS					
18	AD-	eP	13 22 19.2	SZ	999.9	9999.9	1.5	
		eP	22 25	LZ	15	9999.9		
18	RK-	eP	13 30 27.0	SZ	0.6	14.7	47.9	5.26
		eLR	47 55	LZ	25	162.3		
18	DH-	eP	13 32 18.0	SZ	0.4	30.4	63.3	5.78
							AVG.	5.52
18	AD-	eP	13 41 56.0	SZ	0.3	160.2	1.6	
		eS	42 18	ST	0.3	241.9		
18	14 34 54.5		6. S 148.2 E NEW BRITAIN REGION H= 49 KM MAG 6.10 CGS					
18	AD-	eP	14 45 31.5	SZ	1.0	384.6	65.0	6.44
		eP	45 32	LZ	22	1768.1		
		eSP	54 15	LZ	15	3442.9		
		e	58 35	LZ	32	3590.7		
		eL	15 01 55	LZ	25	9999.9		
18	NP-	eP	14 48 18.5	SZ	1.0	8.8	96.4	5.27
		eP	48 25	LZ	20	862.3		
18	MN-	eP	14 48 20.5	SZ	1.0	11.9	96.5	5.40
		eP	48 22	LZ	25	771.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	52 15	LZ	25.	675.3		
		eSKS	59 00	LR	32	835.4		
		ePS	15 01 00	LR	26	2891.8		
		eSS	06 05	LR	25	4242.5		
		e	10 32	LT	28	1334.8		
		eLQ	14 30	LT	40	3570.4		
18	JR-	eP	14 48 23	LZ	25	606.8	101.4	
		e	51 50	LZ	27	638.7		
		e	58 43	LR	27	579.5		
		ePS	15 01 50	LR	28	2591.0		
		eSP	02 00	LZ	23	1906.9		
		ePSS	07 20	LR	32	2815.6		
		eSSS	11 31	LR	30	1926.5		
		eSKPP'	16 45	LZ	38	2381.1		
		eLR	21 30	LZ	30	3859.0		
18	LC-	ePD	14 49 05	LZ	25	471.4	106.0	
		ePP	53 22	LZ	25	712.9		
		ePS	15 02 45	LT	25	9999.9		
		ePKKP	04 54	SZ	0.9	19.6		
		ePSS	08 45	LT	28	818.4		
		e	12 20	LZ	28	1078.1		
		e	13 00	LT	28	1249.2		
		eLQ	19 00	LT	35	9999.9		
		eLR	22 50	LT	999	9999.9		
18	RK-	ePD	14 49 30	LZ	26	426.7	112.2	
		ePP	54 10	LZ	28	1112.2		
		eSP	15 03 30	LZ	27	2879.5		
		ePSS	10 15	LR	25	4807.0		
		eSSS	14 20	LR	26	3367.5		
		eLQ	21 20	LR	42	8076.4		
		eLR	26 40	LZ	35	6191.9		
18	JE-	ePD	14 50 02	LZ	25	225.3	118.4	
		ePP	54 55	LZ	25	844.9		
		ePKKP	15 03 35	LZ	30	534.8		
		e	04 35	LZ	25	1689.8		
		eLR	29 50	LZ	30	5549.4		
18	DH-	eLR	15 33 55	LZ	35	4221.7	127.5	
							AVG.	5.70
18	AD-	eP	16 51 00	LZ	25.	352.9		
18	AD-	e	16 56 40	LZ	25	352.9		
18	MN-	eP	17 00 39.2	SZ	0.3	5.4	2.9	
		eS	01 06	SR	0.4	18.8		
18	AD-	eL	17 01 30	LZ	30	523.6		
18	MN-	eP	17 51 56.7	SZ	0.4	11.7	.8	
		eS	52 08	ST	0.4	19.2		
18	22 21 01.9		20.2 S 174.1 W TONGA ISLANDS H= 33 KM MAG 5.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	MN-	eP	22 33 01.7	SZ	1.1	9999.9	78.4	
		eP	33 03	LZ	17	452.7		
		eS	43 00	LR	17	1617.5		
		eSS	47 50	LR	24	556.7		
		eLQ	53 40	LR	22	1278.8		
		eLR	59 07	LZ	20	1557.7		
18	JR-	eP	22 33 15	LZ	18	332.6	80.4	
		eS	43 23	LR	16	1263.9		
		ePKKS	54 55	LR	22	509.9		
		eLR	59 45	LZ	19	1154.8		
18	LC-	eP	22 33 26.5	SZ	0.9	28.7	83.0	5.41
		eP	33 27	LZ	17	458.6		
		eS	43 50	LR	21	1702.4		
		eSS	49 20	LT	18	461.9		
		e	55 45	LR	25	916.3		
		e	58 45	LZ	24	441.4		
		eLR	23 01 55	LZ	999	9999.9		
18	JE-	eP	22 34 25	LZ	18	308.7	94.0	
		eS	45 32	LR	19	3391.4		
		eSS	52 00	LR	17	2719.9		
		eL	23 04 05	LZ	19	2354.0		
18	DH-	ePKKP	22 50 51	LZ	20	457.2	110.0	
		eL	23 08 25	LZ	28	776.3		
		eLR	18 20	LZ	20	2286.4		

18 23 35 03.9 20.1 S 174.3 W TONGA ISLANDS
H= 33 KM MAG 5.10 CGS

18	MN-	eP	23 47 04.0	SZ	1.0	29.0	78.5	5.23
18	LC-	eP	23 47 29.0	SZ	0.9	13.6	83.1	5.08
							AVG.	5.15

19	AD-	eL	01 03 15	LZ	17.	127.1		

19 03 30 25.9 19.2 S 169.3 E NEW HEBRIDES ISLANDS
H=147 KM MAG 4.30 CGS

19	AD-	eP	03 57 59.1	SZ	0.4	27.8	2.2	
		eS	58 31	ST	0.3	115.5		
19	AD-	eP	04 52 05.0	SZ	0.7	112.3		
19	AD-	eL	04 53 40	LZ	20	371.7		
19	MN-	eP	08 01 36.5	SZ	0.5	2.8	.8	
		eS	01 48	SR	0.5	2.7		

19 14 07 21.5 56. N 161.3 E NEAR EAST COAST OF KAMCHATKA
H= 33 KM MAG 4.70 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
19	MN-	eP	14 16 47.0	SZ	0.7	1.6	54.2	4.18

19 15 45 31.2 3.4 S 150.1 E NEW IRELAND REGION
H= 38 KM MAG 5.70 CGS

19	NP-	eP	15 58 43.6	SZ	1.8	75.8	93.4	5.78
19	MN-	eP	15 58 44.5	SZ	1.8	36.5	93.5	5.46
		eSS	16 16 15	LT	26	371.6		
		eLQ	24 25	LT	35	456.8		
		eLR	28 05	LZ	33	773.1		
19	AD-	eL	16 10 45	LZ	30	205.8	61.9	
19	JR-	eL	16 30 50	LZ	35	996.5	98.4	
19	LC-	eL	16 33 10	LZ	26	493.2	103.0	
19	RK-	eL	16 36 30	LZ	37	448.5	109.0	
19	DH-	eL	16 47 30	LZ	30	1214.7	124.3	
							AVG.	5.62

19 16 15 26.2 10.8 S 166.3 E SANTA CRUZ ISLANDS
H=166 KM MAG 4.90 CGS

19	MN-	eP	16 27 47.5	SZ	1.3	19.6	85.6	4.79
19	MN-	e	16 28 26	SZ	1.2	5.2		
19	JE-	eL	16 44 45	LZ	20	494.2		
19	LC-	eP	20 23 45.5	SZ	0.3	10.3	1.4	
		eS	24 04	SR	0.3	18.2		

19 23 35 06. 6. S 150.8 E NEW BRITAIN REGION
H= 3 KM MAG 6.75 CGS

19	AD-	eP	23 45 46.0	SZ	1.0	145.1	64.1	6.15
19	MN-	eP	23 48 30.0	SZ	999.9	9999.9	94.5	
		eP	48 31	LZ	27	9999.9		
		ePP	52 20	LZ	25	9999.9		
		eSKS	59 25	LT	999	9999.9		
19	NP-	eP	23 48 33.6	SZ	1.0	20.4	95.7	5.58
		eP	48 34	LZ	23	5414.7		
19	JR-	eP	23 48 54.5	SZ	0.9	23.8	99.3	5.89
		eP	48 55	LZ	24	3369.4		
		ePP	52 53	SZ	3.4	711.6		
		ePP	53 10	LZ	28	3498.7		
		eSKS	59 30	LR	999	9999.9		
19	LC-	eP	23 49 14.0	SZ	1.1	11.9	103.8	5.62
		eP	49 15	LZ	999	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	53 30	SZ	1.5	51.2		
		ePP	53 30	LZ	999	9999.9		
20	LC-	eSKS	00 00 10	LR	999	9999.9	103.8	
		ePKKP	05 23	SZ	0.8	9999.9		
19	RK-	ePD	23 49 42	LZ	25	1909.8	110.6	
		eP'	53 41	SZ	0.7	10.0		
		eP'	54 00	LZ	26	9999.9		
20	RK-	eSKS	00 00 30	LR	999	9999.9	110.6	
		ePKKP	04 51	SZ	1.0	20.2		
19	JE-	ePD	23 50 25	LZ	20	1482.8	116.2	
		eP'	53 55	SZ	1.0	48.5		
		ePP	54 50	LZ	20	9999.9		
20	JE-	ePKKP	00 04 28	SZ	1.0	58.2	116.2	
19	DH-	eP'	23 54 12.0	SZ	1.0	82.1	125.8	
		ePP	56 00	LZ	32	9999.9		
		eSKP	57 40	LZ	28	9999.9		
		e	59 20	LZ	16	3387.4		
						AVG.		5.81

19 23 55 06.8 6.9 S 149.9 E NEW BRITAIN REGION
H= 33 KM MAG 5.60 CGS

20	LC-	ePKKP	00 25 22	SZ	1.0	4.9	105.1

20 00 56 21.* 6 N 156.3 E CAROLINE ISLANDS REGION
H= 33 KM MAG 4.30 CGS

20 01 23 40.6 6.2 S 150.4 E NEW BRITAIN REGION
H= 61 KM MAG 5.20 CGS

20	MN-	eP	01 36 59.0	SZ	1.0	9.8	94.9 5.19

20 01 35 38.* 5.5 S 150.1 E NEW BRITAIN REGION
H= 91 KM

20	MN-	eP	02 45 13.5	SZ	0.6	.7	

20 03 01 52.3 6.2 S 150.5 E NEW BRITAIN REGION
H= 44 KM MAG 5.10 CGS

20	MN-	eP	03 15 12.0	SZ	1.1	8.8	94.9 5.10

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	04 50 55.3		59.6 N 148.2 W KENAI PENINSULA, ALASKA					
			H= 33 KM MAG 4.90 CGS					
20	NP-	eP	04 55 25.6	SZ	0.7	5.4	19.5	3.93
20	MN-	eP	04 56 50.0	SZ	0.7	5.3	28.5	4.42
20	LC-	eP	04 58 18.0	SZ	1.1	8.5	38.7	4.41
20	AD-	eL	05 00 00	LZ	20	522.6	17.7	
							AVG.	4.25
20	MN-	eP	05 04 58.5	SZ	0.6	2.2		
20	MN-	eL	07 05 40	LZ	25	170.2		
20	09 50 13.5		2 S 18.2 W CENTRAL MID ATLANTIC RIDGE					
			H= 33 KM MAG 5.10 CGS					
20	LC-	eP	10 03 06.0	SZ	0.9	6.0	88.8	4.80
		eSKS	13 30	LR	25	148.9		
		eSS	19 30	LR	30	244.8		
		eL	32 00	LR	30	190.4		
20	NP-	eP	10 03 25.6	SZ	1.0	16.6	92.8	5.38
20	RK-	eL	10 27 45	LT	22	822.3	81.0	
20	JR-	eL	10 34 00	LZ	30	240.9	93.2	
20	MN-	eL	10 36 25	LZ	35	312.4	97.9	
							AVG.	5.09

20 10 30 36.* 5. S 77.8 W NORTHERN PERU
H=292 KM MAG 3.70 CGS

20 16 20 04.* 8.9 S 123.6 E FLORES ISLAND REGION
H= 33 KM

20	MN-	eP	16 23 29.5	SZ	0.6	1.7	5.0
		eS	24 29	SR	0.5	2.1	

20 16 34 43.* 35.9 N 138.9 E HONSHU, JAPAN
H= 86 KM MAG 4.40 CGS

20	AD-	eP	17 30 42.0	SZ	0.4	34.2	5.7
		eS	31 58	SR	0.3	31.8	
20	AD-	eP	18 38 20	LZ	24	616.0	
20	AD-	e	18 42 37	LZ	18	5204.2	
20	AD-	e	18 44 50	LZ	999	9999.9	

20 19 05 09.7 6.9 S 129.7 E BANDA SEA
H=126 KM MAG 4.70 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	19 21 10.		4.9 S 145.4 E NEAR N. COAST OF NEW GUINEA H=152 KM MAG 5.80 CGS					
20	21 27 39.5		63.7 N 146.5 W CENTRAL ALASKA H= 80 KM MAG 4.60 CGS					
20	NP-	eP	21 31 14.5	SZ	0.9	12.6	15.4	4.18
20	MN-	eP	21 33 46.0	SZ	1.0	8.9	30.4	4.48
							AVG.	4.33
20	LC-	eP	23 13 59.0	SZ	0.7	2.4		
20	LC-	e	23 15 16	SZ	0.7	14.6		
20	23 33 08.9		44.6 N 149.7 E KURILE ISLANDS H= 33 KM MAG 5.60 CGS					
20	AD-	eP	23 38 12.5	SZ	0.8	19.5	23.4	4.64
20	NP-	eP	23 41 42	LZ	17	649.7	47.4	
		eP	41 42	SZ	0.6	35.3		5.57
20	MN-	eP	23 43 52.0	SZ	0.7	4.8	65.7	4.74
		eP	43 55	LZ	20	156.2		
		e	44 05	SZ	1.0	25.0		
		eS	52 40	LT	22	717.6		
		eSS	57 00	LT	25	614.5		
21	MN-	eL	00 01 10	LT	32	9999.9	65.7	
20	RK-	eP	23 44 19.0	SZ	0.6	12.6	70.2	5.13
		eP	44 20	LZ	15	514.6		
		eS	53 25	LR	29	1223.8		
		eSS	58 10	LR	26	566.3		
20	JR-	eP	23 44 30.0	SZ	0.6	9.0	71.8	4.98
		eP	44 31	LZ	25	157.8		
		eSKS	54 50	LR	23	583.8		
		eSS	58 25	LR	23	673.7		
20	LC-	eP	23 44 58.5	SZ	0.6	4.5	76.7	4.68
		eP	45 00	LZ	20	185.1		
		e	45 13	SZ	0.8	12.2		
		e	46 20	LZ	16	265.9		
		eS	54 45	LR	20	635.9		
		eSS	59 50	LR	30	618.9		
21	LC-	eSSS	00 02 55	LR	25	687.5	76.7	
		eL	06 40	LT	27	9999.9		
20	DH-	eP	23 45 40.5	SZ	0.7	22.4	84.8	5.41
21	DH-	eL	00 15 47	LZ	30	1005.5	84.8	
20	JE-	eP	23 45 48.0	SZ	0.6	38.5	85.5	5.68
		eP	45 50	LZ	17	339.9		
		eS	56 10	LR	15	3041.9		
							AVG.	5.10

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	23 51 35.4		44.6 N 149.5 E KURILE ISLANDS H= 33 KM MAG 4.90 CGS					
21	MN-	eP	00 02 31.5	SZ	1.5	28.8	65.8	5.19
21	01 35 35.5		6.7 S 154.3 E SOLOMON ISLANDS H=103 KM MAG 4.90 CGS					
21	02 16 44.5		1. N 124.0 E NORTHERN CELEBES H=248 KM MAG 5.80 CGS					
21	AD-	eP	02 27 30	LZ	20.	256.8	70.7	
		e	36 30	LZ	17	323.5		
		e	46 55	LZ	22	414.7		
		eL	49 40	LZ	25	339.4		
21	NP-	eP	02 29 40.7	SZ	0.6	4.4	95.2	4.84
21	JR-	eP'	02 35 03.0	SZ	0.6	12.3	116.8	
		epP'	36 07	SZ	0.9	7.5		
		ePKKP	45 30	SZ	0.6	7.2		
		eSP	45 40	LZ	22	297.9		
		eL	03 15 28	LZ	20	307.5		
21	LC-	eP'	02 35 12.8	SZ	0.8	11.8	121.8	
		epP'	36 07	SZ	0.6	1.6		
		ePKKP	45 03	SZ	1.0	1.9		
		ePKKP	45 11	SZ	0.8	10.0		
21	JE-	eP'	02 35 35.0	SZ	0.7	59.8	132.8	
		eSKP	38 40	LZ	15	745.3		
		eSKP	38 40	SZ	0.7	29.9		
		eL	03 23 03	LZ	26	410.0		
21	DH-	eSKP	02 38 41	SZ	0.7	40.0	133.7	
21	MN-	ePKKP	02 45 49	SZ	1.0	2.6	110.9	
		ePKKP	45 59	SZ	0.7	2.6		
21	AD-	eP	02 18 25	LZ	17.	199.0		
21	04 01 02.		1.9 N 96.8 E OFF W. COAST NORTH SUMATRA H= 33 KM MAG 5.20 CGS					
21	MN-	eP'	04 20 08.0	SZ	1.3	6.8	128.5	
21	JR-	eP'	04 20 20.5	SZ	1.0	4.9	134.6	
		e	20 30	SZ	1.2	15.1		
21	JE-	eP'1	04 20 38.8	SZ	0.9	92.4	145.5	
		eP'2	20 47	SZ	1.5	294.7		
21	RK-	eL	05 08 20	LZ	18	184.6	126.7	
21	LC-	eP	04 19 00.9	SZ	0.9	4.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	AD-	eP	06 08 59.5	SZ	0.4	9999.9	.5	
		eS	09 07	SR	0.4	415.9		
21	06 19 16.		14.9 S 167.2 E NEW HEBRIDES ISLANDS					
			H= 97 KM MAG 5.10 CGS					
21	JR-	eP	07 04 06.2	SZ	0.2	7.0	5.7	
		eS	05 14	SR	0.9	67.4		
21	JR-	eP	09 06 15.5	SZ	0.3	.8	4.1	
		eS	07 06	SR	0.8	31.1		
21	09 49 20.*		27.9 S 68.1 W CHILE ARGENTINA BORDER REG.					
			H= 33 KM MAG 4.20 CGS					
21	LC-	eP	11 22 15.5	SZ	0.2	.9	3.5	
		eS	22 59	SR	0.2	26.7		
21	11 57 00.3		19.9 S 70.4 W NEAR COAST OF NORTHERN CHILE					
			H=118 KM MAG 4.40 CGS					
21	LC-	eP	12 07 12.0	SZ	1.0	2.9	62.5	4.18
21	12 40 56.*		44.4 N 149.7 E KURILE ISLANDS					
			H= 60 KM MAG 4.30 CGS					
21	MN-	eP	12 51 50.8	SZ	1.3	10.3	65.8	4.72
		ePP	53 43	LZ	25	263.1		
		eL	13 16 30	LT	20	155.0		
21	12 41 47.8		6.2 S 150.5 E NEW BRITAIN REGION					
			H= 43 KM MAG 4.90 CGS					
21	MN-	eP	12 55 06.8	SZ	0.8	7.9	94.9	5.19
		eL	13 25 55	LZ	28	1232.1		
21	LC-	ePKKP	13 11 58	SZ	1.0	2.9	104.2	
21	AD-	eL	13 12 10	LZ	25	1103.0	64.3	
21	JR-	eL	13 28 40	LZ	25	587.7	99.7	
21	RK-	eL	13 34 45	LZ	27	319.0	111.0	
21	DH-	eL	13 47 00	LZ	24	1122.4	126.2	
21	13 27 34.		24.2 N 122.4 E TAIWAN REGION					
			H= 60 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	13 55 42.8		17.9 N 105.8 W OFF COAST OF JALISCO, MEXICO					
			H= 33 KM MAG 3.80 CGS					
21	LC-	eP	13 59 08.3	SZ	0.8	1.1	14.5	3.47
21	14 31 13.9		13.1 N 144.4 E MARIANA ISLANDS					
			H= 61 KM MAG 4.50 CGS					
21	15 34 13.2		12.8 N 145.2 E SOUTH OF MARIANA ISLANDS					
			H= 35 KM MAG 5.20 CGS					
21	NP-	eP	15 46 12.5	SZ	1.0	23.4	79.0	5.10
21	MN-	eP	15 46 57.0	SZ	1.3	5.1	87.3	4.55
		e	52 40	LT	15	789.5		
		eSS	16 03 10	LT	18	280.7		
		eL	09 50	LT	30	405.2		
21	LC-	eP	15 47 49.0	SZ	1.0	3.9	98.1	5.03
21	AD-	eL	15 59 15	LZ	23	705.0	49.6	
21	JR-	eL	16 18 00	LZ	25	174.1	93.0	
21	RK-	eL	16 23 40	LZ	25	336.8	98.6	
21	JE-	eL	16 29 00	LZ	25	343.7	109.5	
21	DH-	eL	16 31 20	LZ	25	1107.7	114.0	
							AVG.	4.89
21	NP-	eP	15 41 12.0	SZ	1.0	23.4		
21	MN-	eP	15 42 14.4	SZ	0.8	2.1		
21	MN-	e	15 52 00	SZ	0.8	1.5		
21	MN-	eP	15 54 07.0	SZ	0.9	8.2		
21	LC-	eP	15 54 27.7	SZ	1.0	4.9		
21	MN-	eP	15 55 04.0	SZ	0.3	6.6	1.6	
		eS	55 27	ST	0.3	23.3		
21	MN-	eP	16 27 16.3	SZ	0.2	17.8		
21	17 24 24.1		4.8 S 76.6 W NORTHERN PERU					
			H=107 KM MAG 4.40 CGS					
21	17 25 57.*		32.8 N 116.0 W CALIFORNIA MEXICO BORDER					
			H= 14 KM MAG 4.70 CGS					
21	JR-	eP	17 26 58.9	SZ	0.8	69.9	3.9	4.74
		eL	28 05	LZ	18	572.6		
21	MN-	eP	17 27 29.0	SZ	0.3	.3	5.9	3.53
		eL	29 00	LZ	16	734.6		
		eL	29 03	SR	0.9	32.2		
21	LC-	eP	17 27 55.0	SZ	0.8	2.3	7.9	4.37

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	30 15	SR	0.8	4.5	AVG.	4.21
21	MN-	eP	17 37 07.7	SZ	0.6	.7		
21	MN-	eL	17 38 24	SR	1.0	4.8		
21	18 09 32.*		41.4 N 142.9 E HOKKAIDO, JAPAN REGION H=140 KM MAG 3.80 CGS					
21	MN-	eP	18 44 49.0	SZ	1.2	6.8		
21	AD-	eP	19 22 12.0	SZ	0.3	17.1	.9	
		eS	22 24	ST	0.3	147.3		
21	MN-	eP	20 00 57.8	SZ	0.2	2.1	1.1	
		eS	01 12	ST	0.3	2.1		
21	AD-	eP	21 25 31.5	SZ	0.3	22.8	2.0	
		eS	25 57	SR	0.3	170.0		
21	LC-	eP	21 55 17.5	SZ	0.2	15.2	3.0	
		eS	55 55	SR	0.2	5.9		
21	22 40 12.*		4.9 S 103.6 E SOUTHERN SUMATRA H= 33 KM MAG 5.40 CGS					
21	23 26 22.3		5.7 S 150.8 E NEW BRITAIN REGION H= 59 KM MAG 4.90 CGS					
21	MN-	eP	23 39 36.5	SZ	0.8	3.6	94.3	4.84
22	00 02 33.3		24. N 45.4 W NORTH ATLANTIC RIDGE H= 33 KM MAG 4.70 CGS					
22	JR-	eP	00 12 28.0	SZ	0.6	2.0	58.1	4.33
		eLQ	29 00	LR	32	1793.9		
		eLR	32 05	LZ	29	301.6		
22	MN-	eP	00 13 04.0	SZ	1.4	10.6	62.4	4.77
		eLQ	30 15	LT	30	644.0		
		eLR	35 10	LZ	25	923.6		
22	JE-	eLR	00 22 00	LZ	24	404.0	41.7	
22	RK-	eLR	00 23 50	LZ	35	1014.1	45.7	
22	LC-	eLQ	00 25 40	LR	36	614.0	54.0	
		eLR	28 15	LZ	34	443.8		
							AVG.	4.55
22	MN-	eL	00 11 20	LZ	26.	284.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	02 38 29.		17.9 S 178.5 W FIJI ISLANDS REGION H=563 KM MAG 5.00 CGS					
22	MN-	eP	02 49 39.5	SZ	1.0	34.8	79.6	4.74
		e	53 44	SZ	0.6	1.1		
		e	54 06	SZ	1.1	9.9		
22	JR-	eP	02 49 53.0	SZ	0.7	30.4	82.0	4.94
		eLR	03 23 50	LZ	30	394.4		
22	LC-	eP	02 50 07.4	SZ	0.9	14.8	85.0	4.62
		e	54 33	SZ	1.4	4.8		
		eLR	03 25 33	LZ	27	448.0		
							AVG.	4.76
22	MN-	eP	02 59 48.0	SZ	0.5	3.0	2.7	
		eS	03 00 22	SR	0.5	19.8		
22	05 10 41.2		6.2 S 150.4 E NEW BRITAIN REGION H= 39 KM MAG 4.70 CGS					
22	MN-	eP	05 24 02.0	SZ	0.7	1.5	94.9	4.55
		eLR	56 15	LZ	25	395.8		
22	JR-	eLR	05 58 35	LZ	25	243.7	99.7	
22	LC-	eLR	05 59 45	LZ	30	134.7	104.3	
22	RK-	eLR	06 06 20	LZ	24	270.7	111.0	
22	JE-	eLR	06 09 15	LZ	25	175.9	116.6	
22	05 24 01.6		22.9 S 65.7 W JUJUY PROVINCE, ARGENTINA H=135 KM MAG 4.10 CGS					
22	DH-	eP	05 34 33.0	SZ	0.6	22.2	65.4	5.20
22	JR-	eP	05 35 14.5	SZ	0.9	13.1	72.3	4.73
							AVG.	4.96
22	05 46 33.3		6.2 S 150.4 E NEW BRITAIN REGION H= 47 KM MAG 5.40 CGS					
22	MN-	eP	05 59 52.0	SZ	0.9	7.5	94.9	5.12
		eLR	06 31 10	LZ	27	648.1		
22	JR-	eP	06 00 15.0	SZ	0.7	2.4	99.7	4.96
		eLR	33 30	LZ	25	310.1		
22	LC-	eLR	06 34 40	LZ	31	247.5	104.3	
22	RK-	eLR	06 40 50	LZ	28	224.8	111.0	
22	JE-	eLR	06 43 25	LZ	30	278.4	116.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	DH-	eLR	06 51 25	LZ	22.	357.3	126.2	
							AVG.	5.04
22	09 00 57.		6.1 S 150.4 E NEW BRITAIN REGION					
			H= 50 KM MAG 4.90 CGS					
22	09 25 15.8		3.4 S 130.7 E CERAM					
			H= 33 KM MAG 5.40 CGS					
22	JR-	eLR	10 23 50	LZ	20.	134.1	114.2	
22	LC-	eLR	10 27 10	LZ	20	133.6	119.2	
22	LC-	eP	14 36 25.5	SZ	0.7	2.0		
22	17 52 23.		6.4 S 150.6 E NEW BRITAIN REGION					
			H= 48 KM MAG 5.10 CGS					
22	18 40 41.8		4.9 S 151.9 E NEW BRITAIN REGION					
			H= 86 KM MAG 5.00 CGS					
22	MN-	eP	18 53 47.5	SZ	0.8	3.1	93.0	4.71
		epP	54 08	SZ	0.9	6.1		
22	LC-	eLR	19 28 10	LZ	30	157.1	102.3	
22	20 11 53.		18.8 N 101.4 W GUERRERO, MEXICO					
			H=123 KM MAG 4.50 CGS					
22	LC-	eP	20 15 14.0	SZ	1.0	13.1	14.3	4.17
		eL	19 15	LR	30	296.8		
		eL	19 34	SZ	3.5	263.2		
22	JR-	eP	20 16 02.5	SZ	0.7	3.6	18.5	3.81
		eLR	21 25	LZ	29	326.7		
22	MN-	eP	20 17 01.5	SZ	1.0	9.8	24.4	4.24
		e	17 12	SZ	0.8	7.3		
22	RK-	eP	20 18 13.0	SZ	0.5	3.8	32.6	4.41
22	NP-	eP	20 21 35.8	SZ	0.9	21.0	58.2	5.10
							AVG.	4.34
22	21 46 32.		30.8 N 140.7 E SOUTH OF HONSHU, JAPAN					
			H= 82 KM MAG 4.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	22 12 00.*		32.5 N 48.8 E WESTERN IRAN					
			H= 39 KM					
23	AD-	eP	02 59 09.7	SZ	0.3	85.5	.5	
		eS	59 17	SR	999.9	9999.9		
23	04 17 13.*		8.1 S 108.4 E JAVA					
			H= 33 KM MAG 4.60 CGS					
23	04 45 58.*		45.4 N 150.8 E KURILE ISLANDS					
			H= 45 KM MAG 4.80 CGS					
23	06 57 58.5		41.9 N 86.1 E S. SINKIANG PROVINCE, CHINA					
			H= 33 KM MAG 4.90 CGS					
23	NP-	eP	07 08 09.9	SZ	1.2	22.0	61.0	5.13
23	09 01 11.		6.5 S 150.7 E NEW BRITAIN REGION					
			H= 63 KM MAG 4.90 CGS					
23	MN-	eL	09 45 35	LZ	25.	97.2	94.9	
23	LC-	eL	09 56 05	LZ	20	95.5	104.2	
23	RK-	eL	09 58 00	LZ	22	65.8	111.1	
23	MN-	eP	09 05 58.1	SZ	0.5	.6	4.1	
		eS	06 48	SR	0.4	7.7		
23	JE-	eL	10 10 28	LZ	17	132.9		
23	10 26 30.*		20.5 S 70.0 W NEAR COAST OF NORTHERN CHILE					
			H= 10 KM MAG 4.20 CGS					
23	10 47 16.6		31.5 S 72.0 W NEAR COAST OF CENTRAL CHILE					
			H= 68 KM MAG 4.50 CGS					
23	LC-	eP	10 58 31.3	SZ	0.8	5.9	71.5	4.56
		eL	11 22 55	LZ	22	123.3		
23	JR-	eP	10 58 58.2	SZ	1.0	12.3	75.9	4.79
							AVG.	4.67
23	13 15 02.*		63.5 N 157.0 W CENTRAL ALASKA					
			H= 33 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23	JE-	eL	16 44 15	LZ	25.	169.9		
23	18 55 35.3		36.7 N 140.7 E NEAR E. COAST HONSHU, JAPAN H= 81 KM MAG 4.60 CGS					
23	19 07 10.*		19.1 N 145.0 E MARIANA ISLANDS H=220 KM MAG 4.00 CGS					
23	19 45 09.		56. S 27.6 W SOUTH SANDWICH ISLANDS REG. H= 33 KM MAG 5.50 CGS					
23	MN-	eP'	20 03 58.5	SZ	0.8	4.1	121.1	
23	NP-	eP'1	20 04 36.9	SZ	0.4	11.3	143.8	
23	MN-	eP	22 06 29.0	SZ	0.3	6.8	1.4	
		eS	06 48	SR	0.3	8.6		
23	22 15 47.		1 S 124.5 E MOLUCCA SEA H= 66 KM MAG 5.70 CGS					
23	MN-	e	23 30 34	SZ	0.9	2.6	111.2	
23	AD-	eP	22 49 20	LZ	27.	573.1		
23	23 52 30.*		37.5 N 117.9 W CALIFORNIA NEVADA BORDER H= 14 KM MAG 4.25 CGS					
24	MN-	eP	01 01 23.0	SZ	0.2	7.0	.8	
		eS	01 35	SR	0.2	5.7		
24	01 30 35.*		36.1 S 69.8 W MENDOZA PROVINCE, ARGENTINA H= 92 KM MAG 4.50 CGS					
24	LC-	eP	01 42 14.7	SZ	0.6	5.4	76.4	4.58
24	01 38 49.6		6.3 S 150.7 E NEW BRITAIN REGION H= 33 KM MAG 5.50 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MN-	eP	01 52 10.0	SZ	0.8	10.8	94.8	5.32
		eLR	02 23 00	LZ	37	769.1		
24	AD-	eLR	02 08 57	LZ	23	690.3	64.3	
24	JR-	eLR	02 26 00	LZ	27	290.1	99.6	
24	RK-	eLR	02 32 00	LZ	28	264.1	110.9	
24	DH-	eLR	02 43 20	LZ	24	322.8	126.1	
24	02 32 28.*		25. N 125.0 E SOUTHWESTERN RYUKYU ISLANDS H= 33 KM MAG 4.50 CGS					
24	03 01 10.*		45.4 N 111.7 W MONTANA H= 33 KM MAG 3.80 CGS					
24	MN-	eP	03 03 22.0	SZ	0.5	.3	8.5	3.72
		eL	05 28	SR	1.5	11.8		
24	AD-	eP	03 41 17.5	SZ	0.2	127.2	2.3	
		eS	41 47	SR	0.4	109.4		
24	05 48 32.8		8.2 S 122.6 E FLORES ISLAND REGION H= 33 KM MAG 5.10 CGS					
24	AD-	eP	06 00 07.5	SZ	0.2	37.4	1.2	
		eS	00 24	ST	0.3	158.7		
24	06 35 14.5		20.2 S 179.2 W FIJI ISLANDS REGION H=660 KM MAG 4.80 CGS					
24	MN-	eP	06 46 27.9	SZ	1.0	6.0	81.7	
24	LC-	eP	06 46 53.5	SZ	1.0	4.9	86.9	
24	09 18 46.*		51.9 N 157.5 E NEAR EAST COAST OF KAMCHATKA H= 87 KM MAG 5.10 CGS					
24	NP-	eP	09 26 02.7	SZ	0.9	7.0	38.8	4.56
24	LC-	eP	09 29 41.3	SZ	0.7	2.4	68.6	4.20
							AVG.	4.38
24	10 41 33.5		6.8 S 107.4 E JAVA H=125 KM MAG 6.00 CGS					
24	MN-	eP'	11 00 28.7	SZ	1.3	28.4	128.2	
		epP'	00 58	SZ	1.5	43.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	03 33	SZ	1.0	13.9		
		e	04 32	SR	1.0	3.2		
24	RK-	eP'	11 00 35.0	SZ	0.7	18.5	132.7	
		eSKP	03 50	SZ	1.0	202.4		
		e	04 36	SZ	1.0	24.7		
24	JR-	eP'	11 00 39.0	SZ	0.5	.9	134.3	
		eSKP	03 59	SZ	1.2	91.3		
		ePCSP'	12 40	SZ	1.0	2.4		
24	LC-	eP'	11 00 43.8	SZ	0.5	1.5	139.4	
		eSKP	04 13	SZ	1.2	33.7		
		eSKP	04 24	SZ	1.0	22.9		
		e	12 16	SZ	1.0	1.9		
24	DH-	eP'1	11 00 55.5	SZ	0.8	61.8	144.6	
		ePP	04 25	SZ	1.2	107.2		
24	12 40 51.4		13.1 N 124.7 E LUZON, PHILIPPINE ISLANDS H= 5 KM MAG 6.10 CGS					
24	AD-	eP	12 51 07.0	SZ	1.0	62.8	60.6	5.66
		eP	51 12	LZ	999	9999.9		
		e	51 15	SZ	1.0	204.4		
		eS	59 20	LT	999	9999.9		
24	NP-	eP	12 53 18.8	SZ	0.7	10.4	83.3	5.16
		eP	53 22	LZ	20	2719.0		
24	MN-	eP	12 54 50.5	SZ	1.0	6.9	102.1	5.26
		eP	55 00	LZ	22	560.1		
		e	58 09	SZ	2.3	42.0		
		ePP	59 13	LZ	21	707.7		
		eSKS	13 05 30	SR	4.3	652.8		
		eSKS	05 33	LR	999	9999.9		
		ePS	08 10	LR	999	9999.9		
		e	09 26	SZ	1.0	1.7		
		ePKKP	10 51	SZ	1.0	3.4		
		eSS	13 15	LR	25	2336.7		
		ePSS	13 42	LR	999	9999.9		
		ePCPP'	15 15	LZ	999	9999.9		
		eLQ	28 05	LR	999	9999.9		
24	RK-	ePD	12 55 24	LZ	22	473.7	108.1	
		ePP	59 44	SZ	0.8	7.3		
		ePP	59 50	LZ	23	879.9		
		eSKS	13 05 53	LT	19	2285.2		
		ePPS	10 10	LT	25	4094.8		
		ePSS	15 18	LT	999	9999.9		
		e	19 10	LT	999	9999.9		
		eLQ	29 47	LR	999	9999.9		
		eLR	32 30	LZ	25	9999.9		
24	JR-	ePD	12 55 25	LZ	20	347.7	108.2	
		e	58 44	SZ	2.5	61.1		
		ePP	59 40	SZ	0.7	2.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	59 45	LZ	24.	746.1		
		eSKS	13 06 05	LR	22	2247.3		
		ePS	09 15	LR	26	4651.4		
		ePKKP	10 30	SZ	1.0	4.9		
		eSS	15 17	LR	999	9999.9		
		e	18 56	LR	27	3718.4		
		eP'PKS	22 50	LR	25	3436.2		
		eLR	30 55	LZ	28	9999.9		
24	LC-	ePD	12 55 45	SZ	1.0	1.9	113.3	
		eP'	59 36	SZ	1.2	6.1		
		ePP	13 00 30	SZ	2.0	87.3		
		eSKS	06 22	SR	4.0	182.1		
		ePKKP	10 20	SZ	1.2	7.6		
24	DH-	ePD	12 56 20	LZ	20	165.4	122.1	
		eP'	59 52	SZ	0.6	7.2		
		eP'	59 55	LZ	17	230.8		
		ePP	13 01 32	SZ	1.4	62.2		
		ePP	01 32	LZ	20	1191.3		
		eSP	11 15	LZ	23	3045.8		
		eSS	18 04	LR	33	4831.4		
		e	21 10	LR	25	4233.8		
		eLQ	34 12	LR	26	3770.2		
		eLR	40 00	LZ	20	4037.3		
							AVG.	5.36
24	12 50 40.2		13.2 N 124.9 E LUZON, PHILIPPINE ISLANDS H= 97 KM MAG 5.00 CGS					
24	AD-	eP	13 00 40.5	SZ	1.0	47.1	60.4	5.53
24	NP-	eP	13 02 56.9	SZ	0.6	33.6	83.2	5.46
24	LC-	ePKKP	13 19 56	SZ	1.0	1.9	113.1	
		ePKKP	20 02	SZ	0.7	2.9		
							AVG.	5.49
24	14 48 47.*		24.6 S 179.5 W SOUTH OF FIJI ISLANDS H=406 KM MAG 4.20 CGS					
24	RK-	eP	16 04 06.0	SZ	0.4	5.6		
24	MN-	eP	16 29 32.0	SZ	0.4	.6	5.8	
		eS	30 40	SR	0.5	9.1		
24	LC-	eP	20 17 55.8	SZ	0.2	3.3	2.9	
		eS	18 27	SR	0.2	4.5		
24	21 32 20.6		13.3 N 124.7 E LUZON, PHILIPPINE ISLANDS H= 63 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	LC-	eP	21 32 58.2	SZ	0.2	5.2	1.4	
		eS	33 16	SR	0.3	4.4		
24	23 51 20.*		23.2 S 176.0 W SOUTH OF FIJI ISLANDS					
			H= 33 KM MAG 4.70 CGS					
25	JR-	eL	00 30 20	LZ	30.	210.1	83.7	
25	MN-	eL	00 30 25	LZ	24	139.7	81.8	
25	LC-	eL	00 31 20	LZ	25	130.9	86.3	
25	02 50 05.*		37.4 N 81.5 W COALWOOD, WEST VIRGINIA					
			H= KM MAG 4.50 CGS					
25	DH-	eP	02 51 52.0	SZ	0.6	11.0	7.0	5.07
		e	52 11	SZ	0.5	20.0		
		eL	53 42	SR	0.6	29.3		
25	LC-	eP	02 54 54.0	SZ	0.6	.8	21.2	3.26
							AVG.	4.16
25	LC-	eP	03 01 10.7	SZ	1.0	2.9		
25	04 35 56.7		20.6 S 69.6 W NORTHERN CHILE					
			H= 78 KM MAG 4.50 CGS					
25	07 35 41.*		51.4 N 178.8 E RAT ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.70 CGS					
25	LC-	eP	07 45 20.5	SZ	0.6	4.5	56.2	4.68
25	08 31 32.9		16.1 S 175.1 W TONGA ISLANDS					
			H=302 KM MAG 4.70 CGS					
25	JR-	eP	08 43 03.3	SZ	0.8	10.2	78.4	4.65
25	08 32 59.		26.6 N 96.3 E BURMA					
			H= 80 KM MAG 5.40 CGS					
25	09 24 08.9		4.3 S 122.2 E CELEBES					
			H=610 KM MAG 6.20 CGS					
25	MN-	eP'	09 41 46.5	SZ	0.8	2.5	115.7	
		e	42 33	SZ	1.5	12.8		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	43 00	SZ	1.8	53.9		
		ePP	43 00	LZ	17	116.6		
		eSKS	47 42	ST	1.8	25.6		
		eSKKS	48 57	ST	1.9	29.9		
		eSP	51 44	SZ	2.4	40.0		
		ePKKP	52 20	SZ	1.3	6.7		
25	JR-	eP'	09 41 57.8	SZ	0.6	12.4	121.5	
		ePP	43 35	SZ	0.8	4.3		
		ePP	43 35	LZ	19	121.6		
		epP'	44 30	SZ	1.1	36.6		
		eSKS	48 06	SR	1.3	12.6		
		ePKKP	51 59	SZ	0.7	4.9		
		epSP	55 32	LZ	20	305.5		
		eSS	59 37	LT	20	457.2		
		eSSS	10 04 11	LT	25	453.1		
		eL	23 30	LZ	24	183.4		
25	RK-	eP'	09 42 02.0	SZ	0.5	7.9	124.7	
		epP'	44 17	SZ	0.6	19.3		
25	LC-	eP'	09 42 07.4	SZ	1.1	13.5	126.5	
		ePP	44 12	SZ	1.6	37.8		
		ePP	44 14	LZ	18	247.2		
		e	44 20	SZ	1.3	28.7		
		epP'	44 28	SZ	1.2	55.2		
		epPP	46 12	LZ	22	135.1		
		e	51 40	SZ	1.1	16.0		
		eSPP	54 53	LZ	21	116.5		
		e	55 22	SZ	0.9	3.0		
		epSP	56 04	LZ	19	212.8		
		eSS	10 00 42	LT	26	339.7		
		epSS	03 01	LR	16	290.2		
		e	15 28	LT	32	497.5		
		eL	24 34	LZ	22	99.6		
25	DH-	epP'	09 45 00	SZ	1.2	176.6	139.3	
25	JR-	eP	11 36 59.0	SZ	0.5	2.8	3.7	
		eS	37 44	SR	0.7	13.0		
25	11 45 54.1		38.9 N 71.0 E AFGHANISTAN USSR BORDER REG.					
			H= 85 KM MAG 4.80 CGS					
25	NP-	eP	11 56 26.0	SZ	0.7	10.6	64.9	4.93
25	12 45 20.*		55.1 N 162.6 E NEAR EAST COAST OF KAMCHATKA					
			H= 79 KM MAG 4.50 CGS					
25	13 02 41.7		9.5 S 158.8 E SOLOMON ISLANDS					
			H= 38 KM MAG 5.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	MN-	eP	13 15 41.3	SZ	1.4	8.2	90.4	4.77
		eL	46 36	LZ	23	94.4		
25	JR-	eL	13 46 34	LZ	28	203.1	94.7	
25	LC-	eL	13 48 14	LZ	20	95.4	98.9	
25	MN-	eP	13 03 12.6C	SZ	0.3	13.6	.1	
		eS	03 21	SR	0.5	23.0		
25	DH-	eP	15 38 06.5	SZ	0.3	37.8	1.9	
		eS	38 32	SR	0.4	42.3		

25 19 35 16.4 5.2 S 125.2 E BANDA SEA
H=430 KM MAG 5.10 CGS

25	DH-	eP	19 40 35.2	SZ	0.5	26.6	1.9	
25	DH-	eP	19 44 45.3	SZ	0.4	12.1	1.4	
		eS	45 04	SR	0.4	24.1		
25	DH-	eS	19 49 00	SR	0.5	46.3	1.9	
25	LC-	eP	19 55 15.3	SZ	0.2	10.4	1.3	
		eS	55 33	SR	0.4	3.9		
25	NP-	eP	20 10 11.6	SZ	0.7	3.1		
25	MN-	eL	20 44 58	LZ	34	374.8		
25	LC-	eL	20 45 50	LZ	32	133.7		
25	MN-	eP	21 01 55.4	SZ	0.4	5.1	1.0	
		eS	02 09	ST	0.5	2.6		
25	LC-	eP	21 19 34.0	SZ	0.3	1.7	2.8	
		eS	20 09	SR	0.5	1.4		
25	MN-	eP	23 37 34.5	SZ	0.4	9999.9	2.9	
		eS	38 11	SR	0.5	9999.9		

26 00 59 04.5 34.7 N 25.9 E CRETE
H= 80 KM

26	MN-	eP	03 20 03.0	SZ	1.1	6.4		
26	LC-	eL	04 24 30	LZ	30	73.9		

26 04 48 55.* 33.1 N 49.0 E WESTERN IRAN
H= 33 KM MAG 4.70 CGS

26 04 50 33.* 6.8 N 73.0 W NORTHERN COLOMBIA
H=167 KM MAG 3.90 CGS

26	LC-	eP	04 57 56.5	SZ	0.9	6.1	40.3	4.23

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	JR-	eL	07 35 30	LZ	30.	112.7		
26	LC-	eL	07 36 45	LZ	26	55.7		
26	MN-	eP	08 04 12.0	SZ	0.5	1.4	4.4	
		eS	05 05	SR	0.6	4.0		

26 10 21 07.2 24.9 N 122.0 E TAIWAN REGION
H= 33 KM MAG 5.40 CGS

26	NP-	eP	10 32 30.0	SZ	1.0	169.0	72.4	6.03
26	MN-	eP	10 34 30.0	SZ	1.1	7.5	95.5	5.09
		eSKS	45 05	LR	25	413.6		
		eLQ	11 02 30	LT	25	1955.9		
		eLR	10 00	LZ	23	916.3		
26	RK-	ePP	10 38 35	LZ	12	278.8	98.3	
		eSKS	45 38	LT	27	122.5		
		eSS	53 15	LT	27	588.4		
		eLQ	11 09 20	LR	37	2484.8		
		eLR	12 40	LT	28	1980.9		
26	AD-	e	10 39 25	LZ	25	715.0	53.2	
		eL	43 10	LZ	25	1164.5		
		eLR	48 35	LZ	31	2851.0		
26	LC-	ePP	10 39 50	LZ	23	98.9	106.5	
		eSKS	46 05	LR	25	313.9		
		ePS	49 05	LR	23	585.9		
		e	50 40	LR	25	494.6		
		e	11 05 20	LT	23	440.9		
		eLQ	06 30	LT	27	724.2		
		eLR	16 50	LT	26	891.1		
26	JR-	eSKS	10 45 50	LR	25	171.0	101.6	
		ePS	48 20	LR	23	334.4		
		eSS	54 00	LR	25	293.2		
		eL	11 11 40	LZ	22	905.0		
26	DH-	eSPP	10 50 45	LZ	26	591.8	111.4	
		eSS	56 15	LT	35	1128.7		
		eLQ	11 11 20	LR	45	3383.4		
		eLR	19 30	LR	25	1419.3		
							AVG.	5.56

26	MN-	eP	13 40 57.3	SZ	0.4	7.8	.8	
		eS	41 08	SR	0.5	7.2		

26 14 19 47.6 24.9 N 122.0 E TAIWAN REGION
H= 33 KM MAG 5.20 CGS

26 16 36 50.6 58.7 N 152.0 W KODIAK ISLAND REGION
H= 33 KM MAG 5.40 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	NP-	eP	16 41 36.9	SZ	1.0	19.8	21.0	4.40
26	MN-	eP	16 42 55.0	SZ	0.6	2.5	29.7	4.19
26	JR-	eP	16 43 40.0	SZ	1.0	7.4	35.5	4.54
		eL	54 50	LZ	26	145.6		
26	LC-	eP	16 44 25.5	SZ	1.0	6.9	40.1	4.32
		eL	57 10	LZ	28	118.8		
							AVG.	4.36
27	03 37 03.*		65.3 N 151.4 W ALASKA					
			H= 33 KM MAG 4.20 CGS					
27	05 36 01.5		45.2 N 150.9 E KURILE ISLANDS					
			H= 33 KM MAG 5.10 CGS					
27	NP-	eP	05 44 26.0	SZ	0.9	20.9	46.6	5.14
27	MN-	eP	05 46 39.0	SZ	1.2	13.4	64.6	4.95
27	RK-	eP	05 47 05.5	SZ	0.7	17.1	69.2	5.24
27	LC-	eP	05 47 46.3	SZ	0.7	4.9	75.7	4.63
							AVG.	4.99
27	MN-	eP	06 41 44.2	SZ	0.5	4.2		
27	07 47 07.6		62.6 N 151.5 W CENTRAL ALASKA					
			H=113 KM MAG 5.40 CGS					
27	NP-	eP	07 51 05.3	SZ	0.7	35.9	17.3	4.74
27	MN-	eP	07 53 21.0	SZ	0.8	21.1	31.5	4.92
		epP	53 44	SZ	0.8	16.4		
		ePP	54 35	SZ	999.9	9999.9		
		ePCP	56 11	SZ	0.6	3.6		
		eL	08 00 52	LZ	21	358.0		
		eLR	01 55	LT	21	1317.0		
27	JR-	eP	07 54 20.0	SZ	1.0	12.4	37.1	4.75
27	LC-	eP	07 54 45.0	SZ	0.9	12.3	41.4	4.70
		eP	54 48	LZ	17	136.3		
		eS	08 01 16	LT	18	178.1		
		eLQ	04 47	LT	14	543.4		
		eLR	07 45	LT	20	535.8		
							AVG.	4.77
27	10 55 11.*		13.4 N 88.7 W EL SALVADOR					
			H= 33 KM MAG 4.10 CGS					
27	11 03 48.		36.3 N 70.7 E HINDU KUSH REGION					
			H=219 KM MAG 5.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	NP-	eP	11 14 21.9	SZ	0.5	26.0	67.5	5.22
27	JR-	eP	12 18 58.7	SZ	0.5	2.8	4.5	
		eS	19 53	SR	999.9	9999.9		
27	13 47 42.7		37.9 N 138.3 E NEAR W. COAST HONSHU, JAPAN					
			H= 36 KM MAG 5.50 CGS					
27	NP-	eP	13 57 21.4	SZ	1.0	97.6	56.4	5.79
27	MN-	eP	13 59 31.5	SZ	1.3	67.0	76.5	5.50
		epP	59 37	SZ	1.3	43.5		
		e	14 00 22	SZ	1.4	49.7		
		eL	20 30	LT	28	679.3		
27	RK-	eP	13 59 51.5	SZ	1.0	49.1	80.6	5.39
27	JR-	eP	14 00 05.0	SZ	1.0	34.8	82.6	5.39
27	LC-	eP	14 00 30.0	SZ	1.0	25.1	87.6	5.37
		eP	00 35	LZ	14	232.7		
		ePCP	00 37	SZ	1.5	26.5		
		eSP	12 05	LZ	22	167.4		
		eLQ	24 15	LT	22	137.7		
		eLR	27 35	LT	22	254.2		
							AVG.	5.48
27	14 27 56.*		7.7 N 36.9 W CENTRAL MID ATLANTIC RIDGE					
			H= 33 KM MAG 4.70 CGS					
27	LC-	eP	16 30 28.0	SZ	0.3	.7	3.4	
		e	30 32	SZ	0.4	3.1		
		eS	31 12	SR	0.5	7.6		
27	LC-	eP	17 11 26.8	SZ	0.3	3.0	3.0	
27	JR-	eP	17 11 38.5	SZ	999.9	9999.9		
27	LC-	eS	17 12 04	SR	0.8	6.8	3.0	
27	18 44 27.1		29.7 N 42.0 W NORTH ATLANTIC RIDGE					
			H= 33 KM MAG 4.70 CGS					
27	LC-	eP	19 58 47.5	SZ	999.9	9999.9	1.5	
		eS	59 06	SR	999.9	9999.9		
27	20 27 06.*		6. S 150.4 E NEW BRITAIN REGION					
			H= 37 KM					
27	JR-	eP	21 22 10.5	SZ	0.6	7.2	2.4	
		eS	22 44	SR	0.5	10.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
27	MN-	eP	21 29 14.4	SZ	0.3	9.3	1.0	
		eS	29 28	SR	0.4	9999.9		
27	23 50 38.4		15.8 N 89.4 W GUATEMALA H= 33 KM MAG 4.00 CGS					
27	LC-	eP	23 55 42.3	SZ	0.3	3.2	22.7	4.25
28	AD-	eP	00 41 45.5	SZ	0.2	15.1	2.5	
		eS	42 18	SR	0.2	44.3		
28	LC-	eL	01 24 17	LZ	22	109.9		
28	JR-	eL	01 24 35	LZ	25	183.7		
28	MN-	eL	01 24 38	LZ	29	245.3		
28	AD-	eL	01 26 34	LZ	25	196.2		
28	RK-	eL	01 36 49	LT	25	60.5		
28	LC-	eP	04 20 19.0	SZ	0.7	1.4		
28	LC-	eP	05 00 42.5	SZ	0.6	.8	5.2	
		eS	01 44	SR	0.6	1.6		
28	LC-	eP	05 04 04.5	SZ	0.5	1.5	5.4	
		eS	05 08	SR	0.5	4.0		
28	MN-	eP	06 55 38.6	SZ	0.5	13.1	1.7	
		eS	56 01	SR	0.5	14.5		
28	JR-	iP	08 12 57.8C	SZ	0.2	31.3	1.0	
		eS	13 12	SR	999.9	9999.9		
28	JR-	eP	10 09 33.4	SZ	0.6	2.5		
28	JR-	eL	10 10 55	SR	0.6	14.4		
28	11 00 23.*		23.3 S 177.6 W SOUTH OF FIJI ISLANDS H=157 KM MAG 3.50 CGS					
28	JR-	eP	11 39 15.5	SZ	0.5	2.3	3.9	
		eS	40 03	SR	0.5	6.5		
28	12 51 07.1		35.5 N 140.7 E NEAR E. COAST HONSHU, JAPAN H= 72 KM MAG 4.70 CGS					
28	NP-	eP	13 00 54.0	SZ	1.5	27.3	58.2	5.06
28	AD-	eL	13 07 34	LZ	25	392.5	34.3	
28	MN-	eL	13 27 24	LZ	25	105.1	76.5	
28	MN-	eP	15 08 43.5	SZ	0.5	.7	3.3	
		eS	09 25	SR	0.4	3.4		
28	RK-	eP	15 33 59.0	SZ	0.5	3.1	4.3	
		eS	34 51	SR	0.6	4.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	16 41 33.4		7.7 S 71.2 W WESTERN BRAZIL H=626 KM MAG 5.40 CGS					
28	DH-	eP	16 49 33.0	SZ	0.5	59.5	49.8	
		ePCP	50 41	SZ	0.7	52.3		
		eS	55 58	LT	23	1301.7		
		e	57 02	ST	1.1	31.9		
		eSS	59 56	LT	19	927.5		
		eL	17 03 50	LT	22	667.5		
28	LC-	eP	16 49 49.9	SZ	0.6	25.0	52.2	
		eP	49 50	LZ	20	189.1		
		ePCP	50 48	SZ	0.5	9.0		
		e	51 22	SZ	0.5	9.7		
		epP	51 49	SZ	0.8	21.8		
		ePPP	53 13	SZ	1.9	94.2		
		eSCP	53 47	SZ	0.7	25.3		
		eSCP	53 51	LZ	18	308.1		
		e	54 51	LZ	16	208.3		
		eS	56 25	LR	13	1334.2		
		eS	56 30	SR	1.4	43.9		
		esS	59 48	LR	27	669.2		
		eL	17 03 39	LZ	20	466.4		
28	JR-	eP	16 50 25.0	SZ	0.5	52.7	57.2	
		eP	50 25	LZ	18	201.4		
		esP	53 28	LZ	17	215.5		
		esP	53 31	SZ	0.7	23.5		
		e	57 30	LZ	22	538.9		
		eL	17 05 00	LZ	22	538.9		
28	RK-	eP	16 50 51.3	SZ	0.5	125.7	61.5	
		eS	58 21	ST	1.1	87.5		
		eS	58 23	LT	19	413.7		
		esSCS	17 03 03	LR	27	382.0		
		eLQ	06 34	LT	19	340.7		
		eLR	09 27	LT	30	359.4		
28	MN-	eP	16 51 04.9	SZ	0.8	27.3	63.3	
		eP	51 07	LZ	18	230.4		
		epP	53 11	LZ	19	188.2		
		epP	53 15	SZ	0.6	7.6		
		esP	53 54	SZ	0.9	15.4		
		e	58 22	SZ	1.5	20.4		
		esS	17 02 30	LT	25	324.3		
		eL	10 26	LT	26	401.4		
28	NP-	eP	16 53 21.0	SZ	0.5	93.6	88.3	
28	AD-	eSP	17 07 30	LZ	20	297.0	105.6	
		e	13 26	LZ	20	316.8		
28	16 49 30.3		8. S 71.4 W WESTERN BRAZIL H=655 KM MAG 5.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	10 32	SR	0.4	9.3		
28	JR-	eP	21 41 43.0	SZ	999.9	9999.9		
29			03 24 28.8 3.6 S 80.6 W PERU ECUADOR BORDER REGION					
			H= 33 KM MAG 4.80 CGS					
29	LC-	eP	03 32 31.5	SZ	1.0	3.9	43.5	4.10
		eL	45 00	LZ	20	64.2		
29	JR-	eP	03 33 09.5	SZ	0.8	4.9	48.3	4.58
		eL	49 10	LZ	25	222.5		
29	MN-	eP	03 33 55.0	SZ	0.8	5.6	54.3	4.65
29	RK-	eP	03 34 01.3	SZ	0.7	8.0	55.4	4.86
							AVG.	4.54
29			06 20 10.* 19.4 S 169.2 E NEW HEBRIDES ISLANDS					
			H=324 KM MAG 4.90 CGS					
29	MN-	eP	06 32 28.5	SZ	1.0	17.4	89.0	4.92
29	JR-	eP	06 32 44.5	SZ	0.5	7.8	92.1	4.91
							AVG.	4.91
29			07 20 46.* 16.7 N 99.0 W NEAR COAST GUERRERO, MEXICO					
			H= 33 KM MAG 4.10 CGS					
29	LC-	eP	07 24 51.5	SZ	1.0	1.9	17.1	3.23
		eLQ	30 02	LT	17	169.6		
		eLR	31 47	LZ	15	184.0		
29	JR-	eP	07 25 34.5	SZ	0.9	3.2	21.5	3.69
		eL	34 20	LZ	12	346.0		
							AVG.	3.46
29			09 11 05.8 6.8 N 73.2 W NORTHERN COLOMBIA					
			H=171 KM MAG 4.90 CGS					
29	DH-	eP	09 17 47.5	SZ	0.5	33.5	35.3	5.31
29	LC-	iP	09 18 28.2D	SZ	1.0	66.9	40.2	5.21
		eSCP	24 04	SZ	1.0	5.9		
		e	24 25	SZ	2.0	36.9		
		eL	27 42	LZ	18	76.1		
29	JR-	eP	09 19 10.0	SZ	0.8	18.4	45.3	4.66
		eSCP	24 25	SZ	0.7	5.1		
29	RK-	eP	09 19 21.8	SZ	0.5	36.7	47.1	5.18
		eS	26 02	LT	17	119.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
28	DH-	eP	16 57 28.0	SZ	0.6	54.3	50.1	
		ePCP	58 37	SZ	1.2	80.9		
28	LC-	eP	16 57 45.0	SZ	0.6	19.6	52.3	
		ePCP	58 47	SZ	1.4	68.9		
		ePPP	17 01 24	SZ	1.0	23.9		
		eS	04 10	LT	17	691.1		
		eS	04 24	ST	1.8	70.0		
		eSCS	06 22	LT	16	1104.3		
		eSCS	06 30	SR	1.6	26.7		
		eSS	08 01	LT	21	483.6		
		eL	10 48	LZ	17	410.3		
28	JR-	eP	16 58 20.5	SZ	0.7	60.3	57.3	
		eP	58 23	LZ	16	235.7		
		esP	17 01 26	SZ	0.7	15.3		
		esP	01 30	LZ	21	363.2		
28	RK-	eP	16 58 47.0	SZ	0.5	78.6	61.7	
		ePCP	59 36	LZ	22	253.9		
		ePPP	17 03 04	LZ	27	480.3		
		eS	06 17	ST	2.0	233.2		
28	MN-	eP	16 58 50	LZ	18	493.7	63.4	
		eP	59 01	SZ	1.0	34.8		
		epP	17 01 04	SZ	0.6	2.1		
		ePP	01 47	SZ	1.5	37.9		
		eSCP	02 30	LZ	21	267.0		
		eS	06 55	LT	21	614.0		
		eSCS	07 41	SR	1.8	19.5		
		eP'P'	27 41	SZ	1.4	8.2		
		eSKPP'	30 19	SZ	1.2	5.3		
28	NP-	eP	17 01 16.7	SZ	1.0	73.7	88.6	
28	LC-	e	17 27 07	SZ	0.9	3.3		
28	DH-	eP	17 52 26.7	SZ	1.5	154.7		
28	RK-	eP	19 19 11.1	SZ	0.3	4.4	4.2	
		eS	20 01.5	SR	0.4	35.1		
28	MN-	eP	19 20 54.9	SZ	0.3	1.8	.1	
		eS	20 58	SR	0.4	9999.9		
28	RK-	eL	19 22 20	SZ	1.4	168.6	4.2	
28	MN-	eP	19 34 02.6	SZ	0.4	18.0	.3	
		eS	34 08	SR	0.4	17.5		
28			19 35 48.* 19. N 64.6 W VIRGIN ISLANDS					
			H= 33 KM					
28	MN-	eP	19 44 43.0	SZ	1.0	1.9	50.1	3.99
28	NP-	eP	20 00 44.5	SZ	0.5	5.8		
28	LC-	eP	21 10 13.3	SZ	0.4	9.2	1.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	30 35	LR	13.	163.0		
		eLR	33 15	LT	30	150.9		
29	MN-	eP	09 19 55.5	SZ	0.8	7.7	51.3	4.43
29	NP-	eP	09 22 23.2	SZ	0.7	37.1	73.8	5.25
							AVG.	5.00
29	MN-	eP	09 32 47.5	SZ	0.3	.3		
29	JR-	eP	09 32 49.5	SZ	0.4	3.5		
29	MN-	e	09 33 02	SZ	0.5	13.8		
29	MN-	eL	09 34 01	SZ	0.5	8.5		
29	LC-	eP	09 34 03.2	SZ	0.8	1.1		
29	12 26 29.6		4.6 N 77.6 W NEAR WEST COAST OF COLOMBIA H= 44 KM MAG 4.30 CGS					
29	LC-	eP	12 33 52.0	SZ	0.9	3.7	38.7	4.17
		eLQ	42 27	LT	20	137.3		
29	RK-	eP	12 35 05.0	SZ	0.6	6.7	48.0	4.82
		eL	46 10	LR	18	56.7		
29	MN-	eP	12 35 21.5	SZ	1.3	5.0	49.9	4.29
							AVG.	4.42
29	JR-	eP	12 32 56.0	SZ	0.3	.7	3.4	
		eS	33 39	SR	0.5	4.1		
29	JR-	eP	12 44 54.5	SZ	0.5	1.5	4.5	
		eS	45 50	ST	0.5	19.2		
29	JR-	eP	12 46 24.0	SZ	0.5	32.2	3.3	
		eS	47 06	SR	0.5	36.9		
29	MN-	eP	12 47 07.5	SZ	1.0	2.6		
29	MN-	eL	12 48 27	SR	1.5	9.6		
29	LC-	eP	12 49 10.0	SZ	1.0	.9		
29	JR-	eP	14 26 20.2	SZ	0.3	36.4		
29	MN-	eP	14 26 55.5	SZ	0.7	.4		
29	JR-	eL	14 26 56	LR	13	2689.7		
29	LC-	eP	14 27 16.2	SZ	0.7	5.3		
29	MN-	e	14 27 17	SZ	1.0	11.3		
29	MN-	eL	14 28 15	LZ	14	1290.6		
29	MN-	eL	14 28 36	SR	1.0	39.4		
29	LC-	eL	14 29 00	LZ	20	385.5		
29	LC-	eL	14 29 23	SR	1.0	13.4		
29	RK-	eL	14 38 00	LT	20	89.8		
29	AD-	eP	15 04 18.0	SZ	0.2	38.1	2.3	
		eS	04 48	ST	0.2	83.1		
29	AD-	eP	15 23 09.1	SZ	0.2	190.7	1.4	
		eS	23 27	ST	0.3	147.3		
29	15 52 18.4		5.5 S 146.2 E EAST NEW GUINEA REGION H= 48 KM MAG 5.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	LC-	eP	16 38 07.0	SZ	0.2	1.4	2.3	
29	JR-	eP	16 38 14.0	SZ	0.2	1.9	3.1	
29	LC-	eS	16 38 38	ST	0.2	5.6	2.3	
29	JR-	eS	16 38 53	ST	0.2	19.4	3.1	
29	16 54 25.8		55.5 S 26.0 W SOUTH SANDWICH ISLANDS REG. H= 33 KM MAG 5.60 CGS					
29	LC-	eL	17 51 05	LZ	25.	52.1	111.1	
29	17 08 25.7		4.8 S 79.3 W PERU ECUADOR BORDER REGION H= 81 KM MAG 4.60 CGS					
29	MN-	eP	17 17 58.5	SZ	1.0	4.3	56.1	4.44
29	20 56 39.2		31. N 141.2 E SOUTH OF HONSHU, JAPAN H= 33 KM MAG 4.90 CGS					
29	MN-	eP	21 08 40.5	SZ	1.2	5.3	78.9	4.39
		eL	33 30	LZ	27	340.8		
29	AD-	eL	21 14 00	LZ	25	432.5	37.2	
29	JR-	eL	21 36 10	LZ	32	175.2	85.0	
29	LC-	eL	21 38 43	LZ	25	92.6	90.1	
29	LC-	eP	21 02 59.0	SZ	0.2	14.0	1.6	
		eS	03 17	SR	0.2	5.5		
29	23 07 42.*		80.2 N 4.1 W NORTH OF SVALBARD H= 33 KM MAG 4.30 CGS					
29	LC-	eP	23 49 43.0	SZ	0.8	1.1		
30	00 15 57.*		38.9 S 72.4 W CENTRAL CHILE H= 87 KM MAG 4.50 CGS					
30	LC-	eP	00 27 44.5	SZ	1.0	4.9	77.7	4.34
		eS	37 38	LR	15	362.8		
		eL	53 30	LZ	27	154.0		
30	JR-	eP	00 28 08.5	SZ	1.0	8.4	82.0	4.57
		eL	59 05	LZ	20	178.8		
30	MN-	eL	00 59 40	LZ	20	133.1	87.7	
							AVG.	4.45

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30			04 11 42.9 71.8 N 2.7 W JAN MAYEN ISLAND REGION H= 33 KM MAG 4.50 CGS					
30	NP-	eP	04 17 25.0	SZ	1.1	5.6	27.4	4.19
30	RK-	eL	04 32 45	LZ	30	159.9	43.1	
30	LC-	eL	04 42 10	LZ	40	199.2	63.7	
30	MN-	eL	04 43 15	LZ	30	104.4	61.2	
30	JR-	eL	04 46 20	LZ	27	163.2	63.0	
30	JR-	eP	04 58 02.0	SZ	0.5	1.5		
30	JR-	eL	05 06 50	SZ	0.7	4.1		
30	LC-	eP	05 13 41.5	SZ	0.5	1.1		
30	LC-	eL	05 15 36	SR	0.5	1.4		
30			06 25 15.7 13.8 N 120.7 E MINDORO, PHILIPPINE ISLANDS H=203 KM MAG 4.90 CGS					
30	NP-	eP	06 37 21.5	SZ	0.6	6.8	83.4	4.56
30	LC-	eP	06 49 43.5	SZ	0.5	1.5		
30	MN-	eP	06 50 19.0	SZ	0.6	.7		
30	LC-	eL	06 51 44	SZ	0.7	4.9		
30	MN-	eL	06 53 03	SZ	0.7	1.3		
30	LC-	eP	08 21 07.5	SZ	0.4	2.0		
30	LC-	eL	08 23 08	SR	0.7	2.3		
30			09 46 56.* 18.3 N 69.3 W DOMINICAN REPUBLIC REGION H= 33 KM					
30	MN-	eP	09 55 26.0	SZ	0.7	3.5	46.8	4.49
30			10 10 06.1 4.7 N 126.8 E TALAUD ISLANDS H= 52 KM					
30			12 24 09.* 6.2 N 93.7 E NICOBAR ISLANDS REGION H= 33 KM					
30	MN-	eP'	12 43 15.0	SZ	0.9	2.0	126.6	
30			12 27 38.6 6.8 N 94.8 E NICOBAR ISLANDS REGION H= 33 KM MAG 5.70 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	AD-	eP	12 40 00	LZ	20.	449.8	83.8	
		eS	50 50	LT	25	3589.2		
		e	57 10	LR	28	4471.6		
		e	59 50	LZ	18	1310.5		
		eLQ	13 04 30	LT	45	27.3U		
		eLR	08 40	LZ	999	9999.9U		
30	NP-	eP	12 40 59.4	SZ	0.5	8.4	94.7	5.41
		eP	41 10	LZ	15	400.2		
30	RK-	eP'	12 46 31.5	SZ	0.5	7.0	122.1	
		ePP	48 01	SZ	1.0	12.5		
		ePP	48 05	LZ	22	285.3		
		eSP	57 55	LZ	20	521.1		
		e	59 23	LZ	22	724.4		
		e	13 04 40	LZ	21	776.6		
		e	10 00	LZ	30	1465.9		
		eL	26 35	LZ	48	11.1U		
30	MN-	eP'	12 46 38.0	SZ	0.5	1.6	125.6	
		e	46 42	SZ	1.0	20.5		
		ePP	48 36	SZ	2.3	77.5		
		ePP	48 40	LZ	20	532.6		
		eSKKP	13 00 04	SZ	1.5	13.1		
		eSS	05 15	LT	15	4145.1		
		e	06 45	LZ	21	1448.8		
		eL	20 50	LT	28	9999.9		
30	DH-	eP'	12 46 53.5	SZ	0.6	7.2	130.3	
		ePP	49 05	LZ	20	512.6		
		ePKKS	59 50	LT	19	470.1		
		e	13 01 55	LT	27	983.7		
		e	06 20	LR	26	2615.4		
		e	11 40	LT	32	5181.0		
		eLQ	19 50	LR	30	1829.6		
		eLR	27 00	LR	44	16.0U		
30	JR-	eP'	12 46 53.5	SZ	0.5	6.3	131.5	
		ePP	49 10	LZ	23	454.8		
		eSKP	50 12	SZ	2.0	58.0		
		eSKKP	59 25	LZ	22	563.1		
		eSKKP	59 36	SZ	0.9	4.8		
		e	13 01 15	LZ	19	671.2		
		e	06 25	LT	21	2239.1		
		eSSS	11 35	LR	28	2599.2		
		eLQ	21 50	LT	28	2285.0		
		eLR	24 40	LT	47	14.6U		
30	LC-	eP'	12 47 01	LZ	18	206.3	136.0	
		eP'	47 02	SZ	1.0	4.9		
		ePP	49 39	SZ	1.5	20.5		
		ePP	49 40	LZ	20	626.1		
		eSKKP	59 14	SZ	1.2	6.1		
		eSKKP	59 40	LZ	18	756.6		
		eSPP	13 01 40	LZ	19	1027.0		
		eSSS	12 20	LT	22	1463.6		
		eL	25 30	LT	999	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	NP-	eP	12 53 55.0	SZ	0.4	1.6		
30	16 07 30.*		23.8 S 179.3 E SOUTH OF FIJI ISLANDS H=481 KM MAG 4.80 CGS					
30	LC-	eP	16 19 40.0	SZ	1.0	7.9	90.1	4.59
30	JR-	eP	17 22 26.5	SZ	0.6	18.5	3.0	
		eS	23 04	SR	0.6	27.5		
30	17 59 07.7		6.4 S 150.9 E NEW BRITAIN REGION H= 37 KM MAG 4.40 CGS					
30	18 53 11.4		24. S 179.9 E SOUTH OF FIJI ISLANDS H=550 KM MAG 5.50 CGS					
30	22 40 46.		53.7 N 167.7 W FOX ALEUTIAN ISLANDS H= 69 KM MAG 5.00 CGS					

Bulletin No. 36
December 1964

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. 36
December 1964

6 April 1965

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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 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 these 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, Northwest Territory (NP-NT), and Jerome, Arizona (JR-AZ),

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 seven-element short-period vertical Benioff seismometer array is in operation at JR-AZ. 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. Three-component long-period seismograph systems are also in operation at JR-AZ and NP-NT.

2.2 All data are recorded by 35-mm Film Recorders, Geotech Model 1301A, and by 14-channel Magnetic-Tape Recorders, Ampex Model 314. A 16-mm film Develocorder, Geotech Model 4000C, is in operation at NP-NT and Hysham, Montana (HY-MA).

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

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

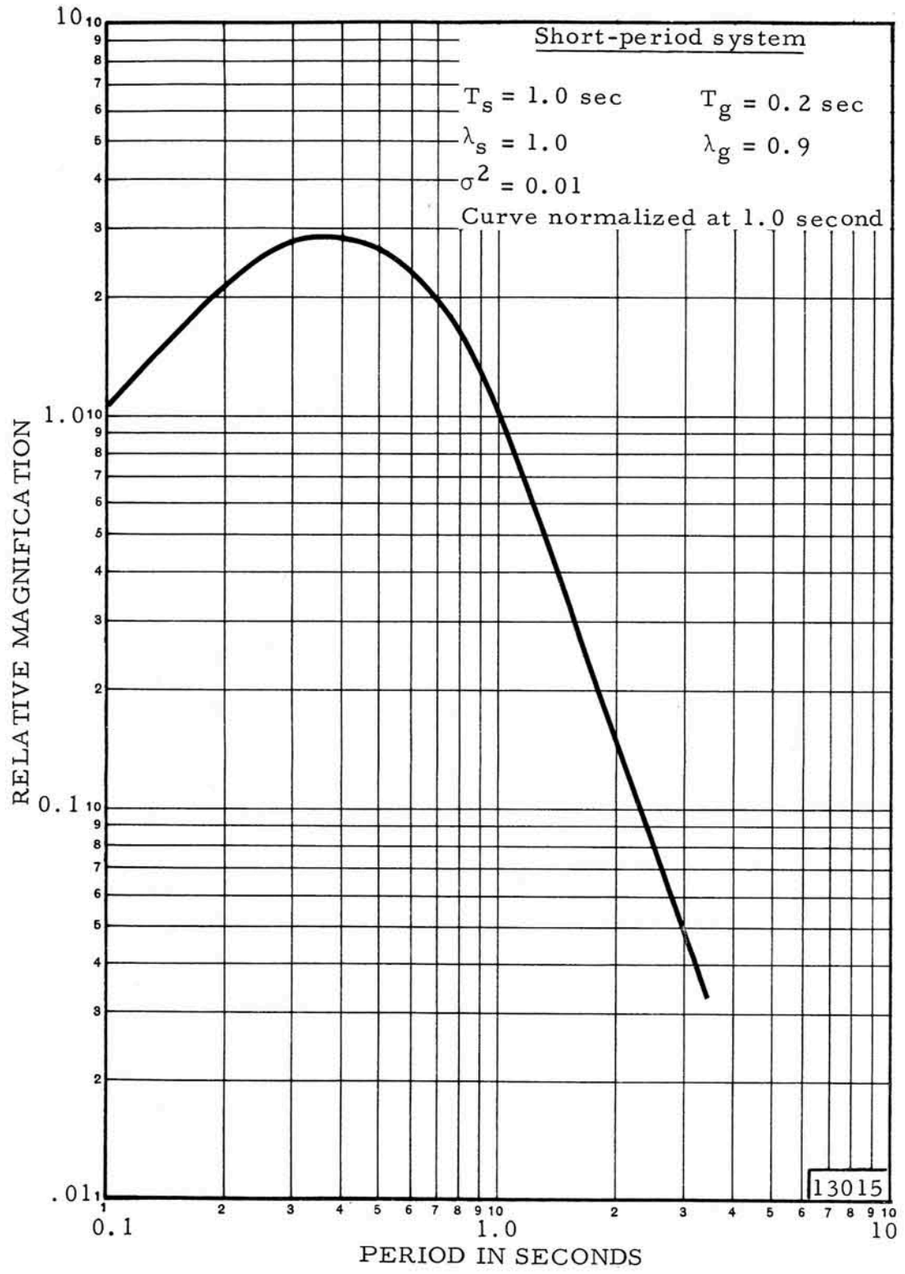


Figure 1. Frequency response of the Benioff short-period seismograph system

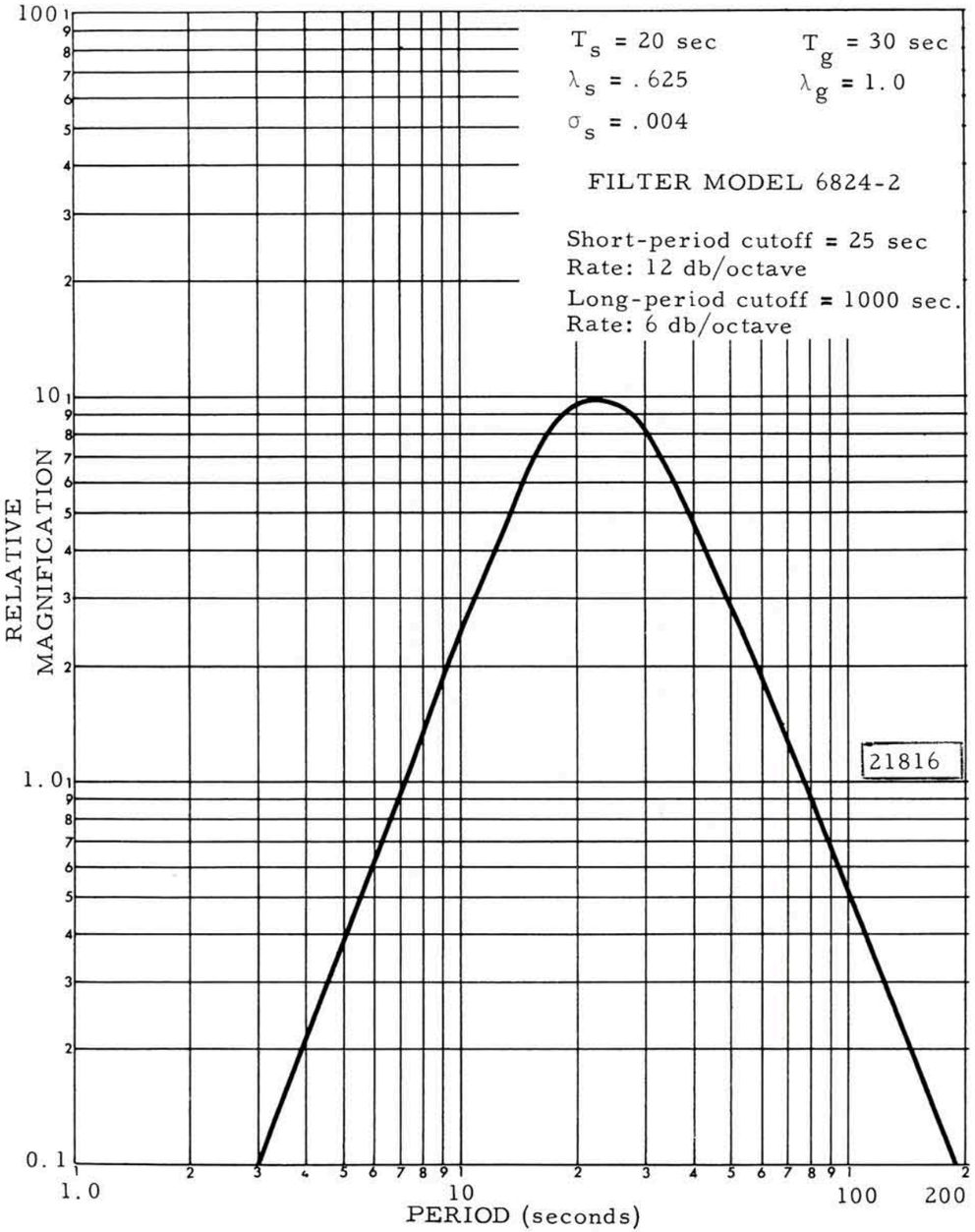


Figure 2. Frequency response of the Sprengnether long-period seismograph system

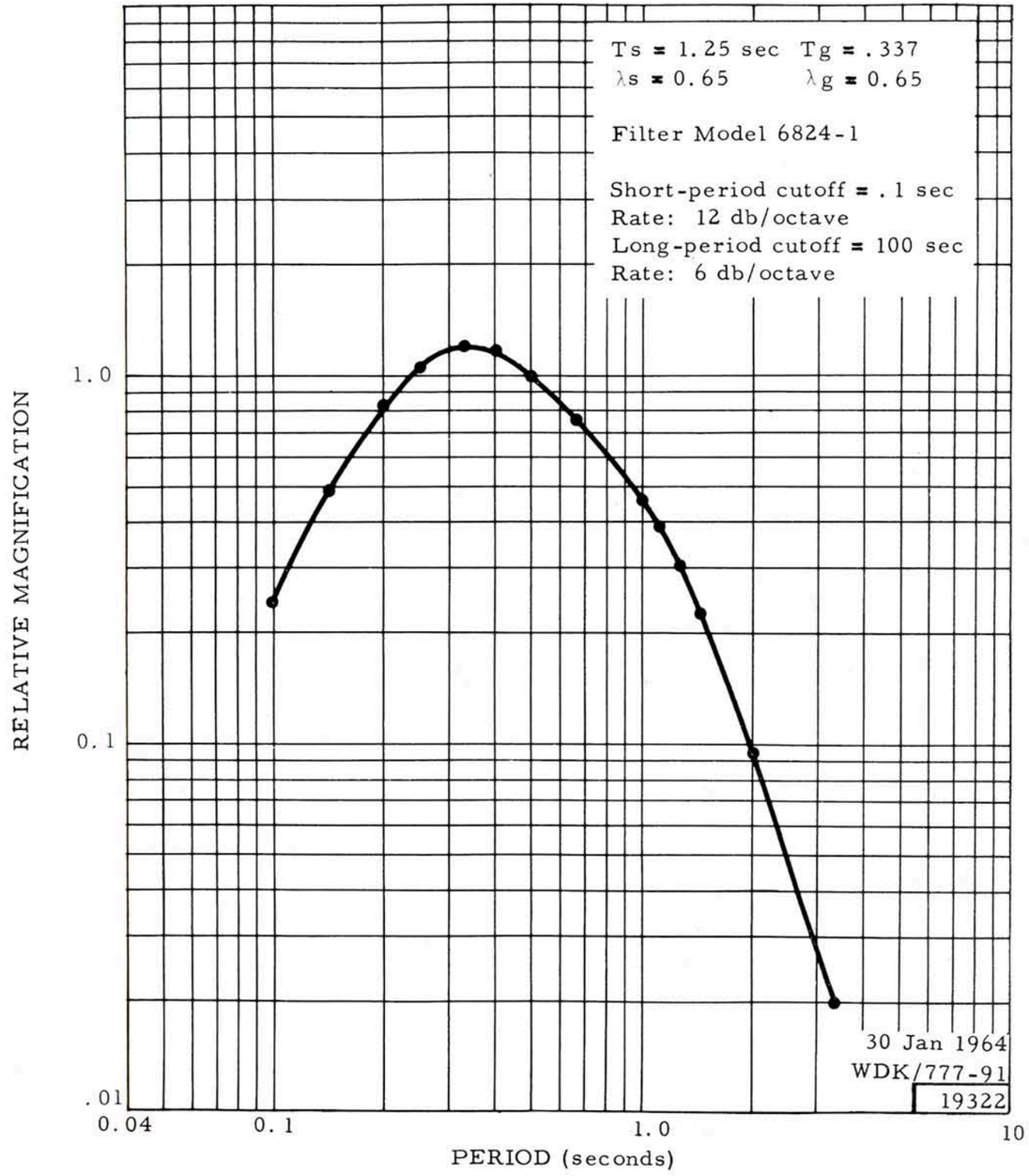


Figure 3. Frequency response of the Johnson-Matheson seismograph system

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 (GCT).

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 designator	Site location
AD-	Adak, Aleutian Islands
DH-	Delhi, New York
HY-	Hysham, Montana
JR-	Jerome, Arizona
LC-	Las Cruces, New Mexico
MN-	Mina, Nevada
NP-	Mould Bay, Northwest Territory
RK-	Red Lake, Ontario

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.

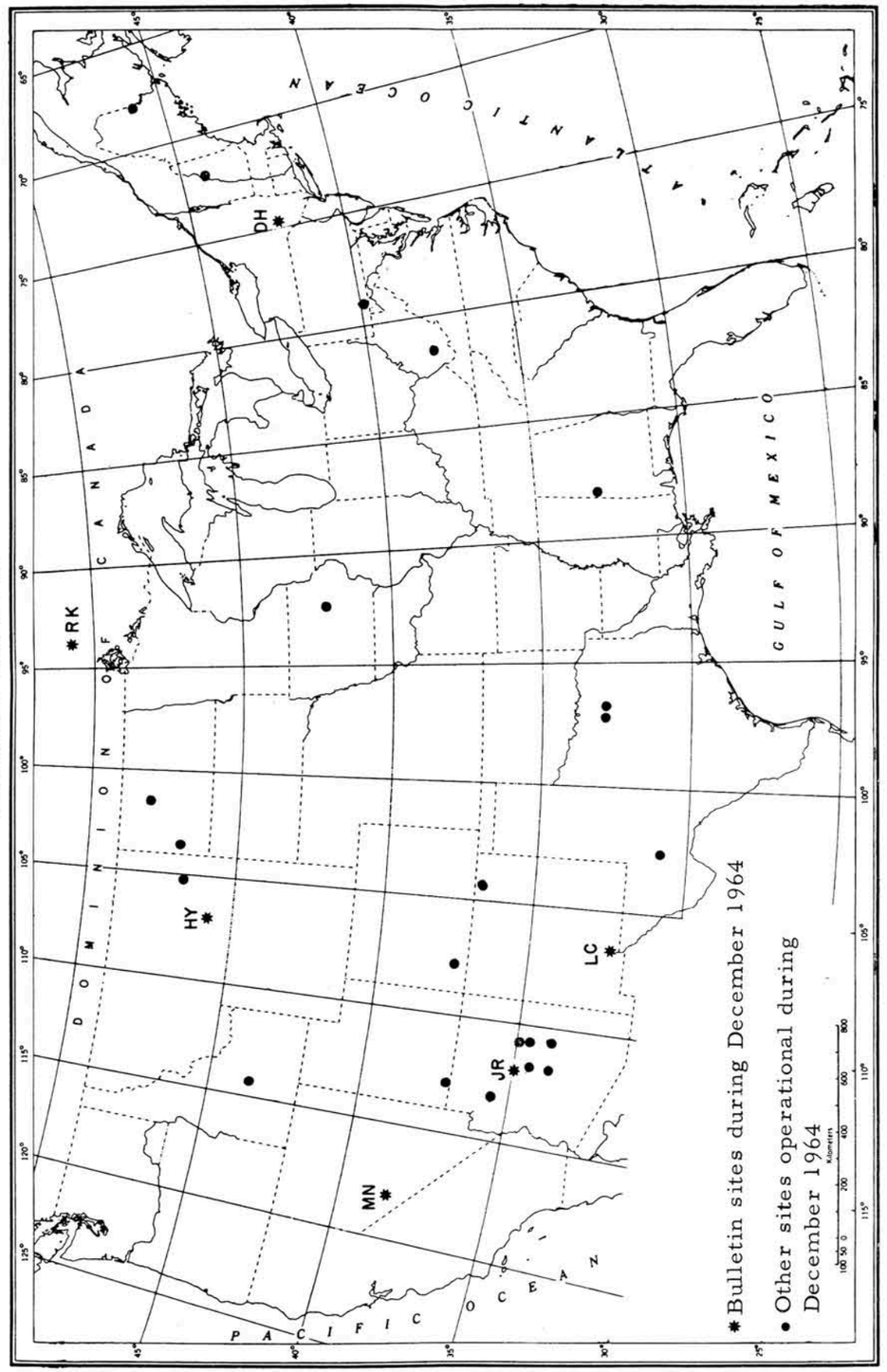
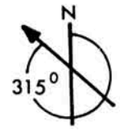


Figure 4. LRSM sites inside the continental United States and Canada during December 1964

Table 1. Bulletin site information

Site designator	Site location	Horizontal seismometer orientation (Azimuth from true north in degrees[1]) Radial	Transverse	Site coordinates in deg, min, sec	Elevation (km)	Rock type
AD-IS	Adak, Aleutian Islands	265	355	51 52 30 N 176 40 45 W	0.06	Basalt
DH-NY	Delhi, New York	095	185	42 14 39 N 74 53 18 W	0.65	Sandstone
HY-MA	Hysham, Montana	041	131	45 58 21 N 107 04 45 W	0.98	Shale
JR-AZ	Jerome, Arizona	131	221	34 49 32 N 111 59 25 W	1.31	Limestone
LC-NM	Las Cruces, New Mexico	124	214	32 24 08 N 106 35 58 W	1.59	Limestone
MN-NV	Mina, Nevada	308	038	38 26 10 N 118 08 53 W	1.52	Limestone
NP-NT	Mould Bay, N. W. Territory	356	086	76 15 08 N 119 22 18 W	0.06	Alluvium
RK-ON	Red Lake, Ontario	058	148	50 50 20 N 93 40 20 W	0.37	Granite

[1]When earth moves in direction shown, trace moves up.



reported as one-half the peak-to-peak value. If the amplitude is reported in microns, a "U" appears in the column to the right of the tenths column. The column is left blank if the amplitude is reported in millimicrons. Amplitudes are measured from the largest pulse within the first 3 or 4 cycles when possible. The digits 9999.9 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. The distance is given to the nearest one-tenth of a 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.[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°.

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

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 printout.

4. INTERPRETATION OF U. S. COAST AND GEODETIC SURVEY DATA

The epicenter data reported by the USC&GS precede 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 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 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	JR-	eS	01 17 50	SR	0.3	21.9	3.5	
1	02 33 20.*		7. S 75.5 W NORTHERN PERU H=254 KM MAG 3.60 CGS					
1	HY-	eP	03 09 49.0	SZ	0.2	23.0		
1	JR-	eP	04 38 57.0	SZ	0.5	.7		
1	JR-	eL	04 40 12	SR	0.8	3.8		
1	04 53 23.9		18.9 S 175.8 W TONGA ISLANDS H=232 KM MAG 5.50 CGS					
1	AD-	eP	05 04 16.0	SZ	0.5	53.5	70.5	5.53
1	MN-	eP	05 05 01.7	SZ	0.9	43.3	78.5	5.20
		epP	05 56	SZ	2.0	159.9		
		eS	14 42	LT	22	617.5		
		eL	31 20	LZ	20	394.8		
1	JR-	eP	05 05 14.2	SZ	0.7	19.7	80.7	4.98
		epP	06 05	LZ	15	246.3		
		epP	06 10	SZ	1.4	34.8		
		eS	15 07	LR	25	666.6		
		eLQ	27 15	LR	33	603.1		
		eLR	31 05	LZ	20	171.9		
1	LC-	iP	05 05 29.0C	SZ	1.0	87.8	83.5	5.48
		epP	06 24	SZ	1.3	36.4		
		epP	06 24	LZ	22	250.3		
		ePP	08 32	SZ	3.5	226.6		
		eS	15 35	LR	22	900.6		
		eL	31 50	LZ	23	232.8		
1	HY-	eP	05 05 56.8	SZ	1.3	74.4	89.5	5.46
1	RK-	eSKS	05 17 55	LT	22	160.3	99.6	
		eSS	24 35	LR	24	188.2		
		e	31 56	LR	19	152.8		
		eL	43 48	LT	23	160.3		
							AVG.	5.33
1	07 39 50.2		79.5 N 3.9 E GREENLAND SEA H= 33 KM MAG 4.70 CGS					
1	NP-	eP	07 44 38.3	SZ	1.0	18.9	21.5	4.41
1	RK-	eP	07 47 39.0	SZ	1.0	324.6	41.9	6.04
		eL	08 00 00	LR	37	233.8		
1	HY-	eP	07 48 35.2	SZ	1.0	22.5	48.8	5.13
1	MN-	eP	07 49 41.5	SZ	0.8	3.0	57.9	4.38
		eL	08 10 00	LZ	29	98.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
1	LC-	eP	07 50 10.0	SZ	1.0	1.9	62.0	4.23
		eL	08 09 25	LZ	40	340.4		
							AVG.	4.83
1	10 11 06.*		14.2 S 113.4 W N. EASTER ISLAND CORDILLERA H= 33 KM MAG 4.30 CGS					
1	LC-	eP	10 19 42.2	SZ	1.0	5.9	46.8	4.56
		eL	33 50	LZ	20	192.3		
1	JR-	eP	10 19 54.3	SZ	0.7	2.0	48.8	4.25
							AVG.	4.40
1	11 45 21.*		10.6 N 93.4 E ANDAMAN ISLANDS REGION H= 33 KM MAG 4.70 CGS					
1	MN-	eP'	12 04 15.0	SZ	0.7	4.6	123.0	
1	11 47 02.4		30.9 S 177.9 W KERMADEC ISLANDS REGION H= 33 KM MAG 4.90 CGS					
1	JR-	eP	12 00 01.0	SZ	1.2	9.6	90.1	4.88
1	RK-	eP	12 41 54.2	SZ	1.2	499.5		
1	13 13 17.*		13.4 N 119.5 E PHILIPPINE ISLANDS REGION H=179 KM MAG 5.00 CGS					
1	15 28 21.*		37.8 N 117.8 W CALIFORNIA NEVADA BORDER H= 33 KM MAG 3.70 CGS					
1	MN-	iP	15 28 29.6D	SZ	999.9	9999.9	.7	
1	MN-	eP	15 37 45.0	SZ	0.3	11.2	1.1	
		eS	38 00	SR	0.3	11.5		
1	MN-	eP	16 09 35.0	SZ	0.5	1.6	5.1	
		eS	10 01	ST	0.7	3.0		
1	JR-	eP	17 02 47.7	SZ	0.2	31.8	1.4	
		eS	03 05	SR	0.2	48.0		
1	MN-	eP	17 12 00.5	SZ	0.2	14.6	.8	
		eS	12 12	SR	0.3	9.2		
		eP	39 23.0	SZ	0.3	6.7		
		eS	39 35	ST	0.3	8.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	45 34.0	SZ	0.2	6.0		
		eS	45 45	SR	0.3	5.7		
1	LC-	eP	20 40 53.5	SZ	0.2	7.6	1.5	
		eS	41 14	ST	0.2	14.0		
1	LC-	eP	20 47 03.5	SZ	0.2	7.1	1.4	
		eS	47 22	SR	0.2	11.4		
1	MN-	eP	21 11 32.5	SZ	0.2	8.9	.8	
		eS	11 44	SR	0.3	7.1		
1	MN-	eP	23 18 17.0	SZ	0.2	25.1		
2	01 18 59.*		19.6 N 120.8 E PHILIPPINE ISLANDS REGION H= 98 KM MAG 4.60 CGS					
2	07 58 27.*		77.5 N 18.5 E SVALBARD REGION H= 33 KM					
2	08 17 41.9		22.4 S 70.3 W NEAR COAST OF NORTHERN CHILE H= 79 KM MAG 4.30 CGS					
2	JR-	eP	08 28 44.5	SZ	0.8	9.9	69.3	4.77
2	08 20 45.6		30.6 N 42.0 W NORTH ATLANTIC RIDGE H= 33 KM MAG 5.20 CGS					
2	RK-	eP	08 28 47.5	SZ	0.7	4.7	43.1	4.33
		e	35 15	LZ	20	254.9		
		eL	41 00	LZ	31	1342.9		
2	HY-	eP	08 29 40.2	SZ	0.6	11.7	51.9	5.02
2	LC-	eP	08 30 10.0	SZ	1.5	29.3	54.3	5.09
		eS	37 50	LT	23	777.0		
		eL	46 20	LZ	33	1280.6		
2	NP-	eP	08 30 34.0	SZ	1.0	19.8	57.5	5.10
2	JR-	eP	08 30 38.0	SZ	0.8	6.1	58.0	4.69
		eS	38 40	LR	24	484.2		
		eL	48 05	LZ	38	2090.9		
2	MN-	eP	08 31 04.0	SZ	1.0	7.8	61.6	4.80
		eSP	39 35	LZ	22	378.1		
		eL	49 50	LZ	36	1055.1		
2	DH-	eL	08 34 10	LZ	24	6707.9	28.7	
2	AD-	eLR	09 07 45	LZ	30	418.6	88.8	
							AVG.	4.83
2	08 21 43.3		29.5 N 81.3 E NEPAL H= 23 KM MAG 5.10 CGS					
2	NP-	eP	08 33 17.0	SZ	0.6	38.1	73.7	5.58

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
2	09 17 51.*		37.5 N 117.9 W CALIFORNIA NEVADA BORDER H= 33 KM MAG 3.90 CGS					
2	MN-	iP	09 18 02.3D	SZ	999.9	9999.9	1.0	
2	JR-	eP	09 19 22.0	SZ	0.5	2.3	5.5	4.01
		eL	20 48	SR	0.7	7.8		
2	09 34 26.*		60.4 N 153.9 W SOUTHERN ALASKA H= 33 KM					
2	NP-	eP	09 38 56.5	SZ	0.5	1.8	19.8	3.61
2	LC-	eL	09 54 40	LZ	32	218.1	41.6	
2	MN-	eP	10 05 19.0	SZ	0.5	.6	2.3	
		eS	05 49	SR	0.5	3.4		
2	10 08 39.6		9.1 S 158.0 E SOLOMON ISLANDS H= 42 KM MAG 5.60 CGS					
2	MN-	eP	10 21 40.5	SZ	1.0	9.5	90.8	5.02
2	AD-	eL	10 39 50	LZ	26	168.2	64.5	
2	JR-	eL	10 58 15	LZ	25	219.6	95.1	
2	11 33 36.6		21.9 S 175.2 W TONGA ISLANDS H= 33 KM MAG 4.60 CGS					
2	LC-	eP	11 46 11.0	SZ	1.2	7.6	84.9	4.71
2	12 31 45.*		38.9 N 70.6 E AFGHANISTAN USSR BORDER REG. H= 33 KM MAG 4.70 CGS					
2	NP-	eP	12 42 24.0	SZ	0.8	17.9	64.9	5.25
2	13 18 29.		53.8 N 165.4 W FOX ALEUTIAN ISLANDS H= 35 KM MAG 5.00 CGS					
2	AD-	eP	13 20 14.0	SZ	0.4	66.7	7.1	5.86
		eP	20 15	LZ	25	964.0		
		eL	21 35	SR	0.5	125.7		
		eL	21 50	LZ	18	9999.9		
2	NP-	eP	13 24 24.5	SZ	1.2	43.4	28.3	5.09
		ePCP	27 33	SZ	1.0	11.9		
		ePCS	31 14	ST	1.0	14.0		
		eL	35 25	LZ	25	1107.7		
2	MN-	eP	13 25 25.5	SZ	0.6	5.1	35.5	4.60

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	25 35	SZ	1.0	19.1		
		ePCP	27 53	SZ	0.6	2.9		
		eS	30 40	LR	30	657.4		
		eLQ	33 40	LT	40	1384.4		
		eLR	35 35	LZ	27	1356.8		
2	HY-	iP	13 25 42.4C	SZ	0.8	42.5	37.4	5.30
2	JR-	eP	13 26 17.0	SZ	0.5	3.1	41.5	4.34
		e	26 30	SZ	0.5	13.4		
		eS	32 35	LR	25	393.5		
		eLQ	35 55	LT	35	751.8		
		eLR	38 35	LZ	25	1471.3		
2	RK-	iP	13 26 20.8C	SZ	0.5	7.1	42.2	4.68
		e	32 40	LZ	20	203.9		
		eL	39 15	LZ	27	354.4		
2	LC-	eP	13 26 55.0	SZ	0.7	4.9	46.4	4.61
		eS	33 50	LR	30	363.1		
		eSS	37 20	LR	21	417.0		
		eL	41 25	LZ	26	1120.0		
2	DH-	eP	13 28 17.5	SZ	1.1	53.7	57.6	5.49
		eL	47 40	LZ	35	587.8		
							AVG.	4.99

2 14 27 15.4 49.1 S 121.4 E SOUTH OF AUSTRALIA
H= 16 KM

2	AD-	eL	15 24 40	LZ	26.	168.2	113.5	
2	MN-	iP	14 40 37.6D	SZ	0.3	14.9	.8	
		eS	40 49	ST	0.3	9999.9		

2 15 20 11.4 19.6 S 177.8 W FIJI ISLANDS REGION
H=396 KM MAG 4.30 CGS

2	MN-	eP	19 10 08.0	SZ	0.3	5.9	1.5	
		eS	10 20	ST	0.4	6.4		

2 22 03 00.* 44.4 N 149.4 E KURILE ISLANDS
H= 33 KM MAG 4.40 CGS

2	HY-	eP	22 35 15.7	SZ	0.2	6.5	1.0	
		eS	35 29	ST	0.2	30.7		
2	HY-	eP	23 02 17.8	SZ	0.5	21.4	4.0	
		eS	03 06	ST	0.6	43.8		
2	MN-	iP	23 43 53.4D	SZ	0.4	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	02 00 29.*		13.8 N 89.0 W EL SALVADOR H= 41 KM MAG 4.20 CGS					
3	RK-	eP	02 07 31.5	SZ	0.5	8.4	37.1	4.81
3	03 50 01.2		15. S 66.8 E MID INDIAN RISE H= 46 KM MAG 6.10 CGS					
3	NP-	eP'1	04 08 59.0	SZ	2.5	265.7	118.7	
		eLR	49 15	LZ	36	1359.9		
3	HY-	eP'1	04 09 44.0	SZ	1.5	217.1	148.7	
		eL	54 10	LZ	30	514.5		
3	MN-	eP'1	04 09 53.0	SZ	3.0	291.8	156.3	
		e	11 44	SZ	3.0	237.1		
		ePP	13 58	SZ	2.8	149.6		
		eSSP	34 45	LZ	25	674.0		
		e	51 10	LR	35	713.2		
		eL	05 03 50	LT	40	1245.9		
3	JR-	eP'1	04 09 59.0	SZ	1.5	24.7	160.2	
		ePP	14 21	SZ	2.2	70.9		
		eSS	34 25	LT	22	473.4		
		e	40 55	LT	25	455.7		
		eLR	05 10 30	LZ	35	1169.5		
3	LC-	eP'1	04 10 00.0	SZ	2.2	101.0	161.7	
		eP'1	10 01	LZ	10	523.4		
		eP'2	10 43	SZ	1.5	67.5		
		ePP	14 21	SZ	3.0	188.0		
		e	35 00	LZ	20	379.1		
		e	42 20	LT	28	419.0		
		eLQ	05 10 00	LT	40	1315.2		
		eLR	21 30	LZ	27	9999.9		
3	AD-	e	04 19 45	LZ	18	527.9	118.0	
		eSPP	21 05	LZ	20	340.2		
		eSSP	26 10	LZ	22	376.6		
		e	30 30	LZ	22	306.0		
		eLR	47 10	LZ	35	2243.4		
3	RK-	eSKPP'	04 30 50	LZ	21	216.3	140.9	
		eLR	59 15	LZ	30	499.7		
3	DH-	eLR	05 00 15	LZ	30	1121.5	137.3	
3	MN-	eP	07 21 40.0	SZ	0.4	.6	3.0	
		eS	22 17	SR	0.5	3.4		
3	JR-	eL	08 03 30	LZ	27	256.4		

3 08 16 55.4 6.1 S 150.6 E NEW BRITAIN REGION
H= 35 KM MAG 4.70 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN-	ePKKS	08 50 45	LT	25.	254.3	94.7	
		eL	09 00 40	LZ	28	367.4		
3	LC-	eL	09 05 40	LR	32	303.7	104.0	
3	RK-	eLR	09 12 35	LZ	25	168.4	110.8	
3	08 28 38.5		19.4 N 155.5 W HAWAII REGION H= 24 KM MAG 4.70 CGS					
3	MN-	eP	08 35 52.0	SZ	1.0	5.2	37.5	4.27
3	JR-	eP	08 36 26.0	SZ	0.5	3.1	41.3	4.33
3	LC-	eP	08 36 58.5	SZ	0.7	1.9	45.5	4.15
3	AD-	eLR	08 45 25	LZ	27	380.1	36.4	
							AVG.	4.25
3	LC-	eP	08 44 03.5	SZ	0.8	3.5		
3	LC-	eL	08 47 22	SR	1.0	14.5		
3	LC-	eL	08 47 25	LR	15	238.8		
3	09 44 16.*		24.4 N 109.2 W GULF OF CALIFORNIA H= 33 KM MAG 4.00 CGS					
3	LC-	eP	09 46 14.0	SZ	0.4	1.3	8.3	4.40
		eL	48 30	SR	0.7	13.0		
		eLR	49 10	LZ	12	2012.6		
3	JR-	eP	09 46 50.0	SZ	0.7	2.0	10.7	4.50
		eL	49 20	LT	12	2805.4		
		eL	49 48	ST	0.8	7.6		
3	MN-	eP	09 48 04.0	SZ	1.3	6.7	15.9	3.67
		eLQ	51 15	LT	25	491.7		
		eLR	53 50	LZ	17	428.3		
3	AD-	eLR	10 11 30	LZ	25	144.4	57.4	
							AVG.	4.19
3	HY-	eP	10 35 37.5	SZ	0.4	2.3	3.0	
		eS	36 16	SR	0.4	6.2		
3	14 51 10.9		12.3 N 88.5 W OFF COAST OF CENTRAL AMERICA H= 33 KM MAG 4.10 CGS					
3	LC-	eP	14 56 44.0	SZ	0.8	2.9	26.0	3.93
3	RK-	eP	14 58 32.0	SZ	0.7	12.7	38.7	4.78
3	JR-	eL	15 10 20	LZ	20	134.1	30.9	
							AVG.	4.35

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
3	MN-	eP	15 06 34.0	SZ	0.2	9999.9		
3	AD-	eP	16 04 40.5	SZ	0.3	22.5	2.0	
		eS	05 06	SR	0.3	39.6		
3	DH-	eP	16 58 50.0	SZ	0.5	20.1	1.5	
		eS	59 10	SR	0.5	55.4		
3	17 10 59.*		19.5 S 69.2 W NORTHERN CHILE H=180 KM MAG 4.20 CGS					
3	MN-	eP	17 36 53.5	SZ	1.0	4.3		
3	MN-	eL	18 01 30	LZ	25	210.6		
3	NP-	eP	19 43 36.0	SZ	0.5	3.7		
3	HY-	eP	19 44 50.0	SZ	0.9	7.7		
3	AD-	eL	19 49 45	LT	25	1060.6		
3	HY-	eP	19 54 35.5	SZ	0.4	3.4		
3	HY-	eL	19 57 31	SZ	0.4	12.7		
3	22 32 38.*		36.6 N 55.6 E IRAN H= 33 KM MAG 4.70 CGS					
3	LC-	eP	23 04 47.0	SZ	0.5	4.8	1.8	
		eS	05 13	SR	0.4	5.0		
4	00 38 54.7		15.4 S 173.9 W TONGA ISLANDS H= 33 KM MAG 4.50 CGS					
4	01 54 49.3		7.8 N 102.7 W OFF COAST OF MEXICO H= 33 KM MAG 4.90 CGS					
4	NP-	eP	02 05 53.8	SZ	1.5	35.8	69.0	5.25
		eL	36 13	LZ	17	4109.3		
4	AD-	eL	02 28 50	LZ	27	742.4	74.0	
4	07 33 32.*		18.7 N 105.1 W OFF COAST OF JALISCO, MEXICO H= 33 KM MAG 4.00 CGS					
4	LC-	eL	07 42 00	LZ	17.	250.7	13.7	
4	07 43 47.*		77.3 N 6.4 E SVALBARD REGION H= 33 KM MAG 4.90 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	NP-	eP	07 48 56.0	SZ	2.0	153.6	23.7	5.14
4	LC-	eP	07 54 17.0	SZ	1.0	19.3	63.5	5.15
		e	54 22	SZ	1.0	19.3		
		e	54 27	SZ	1.0	11.6		
		eL	08 14 00	LZ	50	759.6		
4	DH-	eL	08 07 40	LZ	32	375.1	47.3	
4	MN-	eL	08 15 50	LZ	15	102.5	59.7	
4	JR-	eL	08 16 30	LZ	30	181.6	62.1	
							AVG.	5.14

4 09 21 14.2 21.3 S 67.4 W CHILE BOLIVIA BORDER REGION
H= 60 KM MAG 4.70 CGS

4 11 39 58.* 35.6 N 118.4 W CENTRAL CALIFORNIA
H= 14 KM MAG 3.13 CGS

4 15 48 43.4 6.4 S 150.7 E NEW BRITAIN REGION
H= 19 KM MAG 5.20 CGS

4	AD-	eP	15 59 22	LZ	18.	670.1	64.4	
		eSP	16 08 30	LZ	25	1034.6		
		eSSS	15 05	LR	30	1947.4		
		eL	17 50	LZ	27	1138.4		
4	MN-	eP	16 02 07	LZ	15	384.5	94.8	
		ePP	05 58	LZ	15	256.3		
		eSKS	12 52	LT	15	559.5		
		eSS	19 58	LR	20	597.9		
		eSSS	23 27	LR	24	377.4		
		eLQ	28 30	LT	33	1544.2		
		eLR	32 27	LT	15	839.3		
4	JR-	eP	16 02 33	LZ	20	154.4	99.6	
		ePP	06 35	LZ	20	176.4		
		eSP	15 38	LZ	23	256.4		
		e	21 00	LT	20	457.2		
		eLQ	30 45	LT	40	1156.3		
		eLR	34 30	LZ	25	502.8		
4	LC-	eP	16 02 52	LZ	20	164.9	104.1	
		ePP	07 05	LZ	20	126.8		
		eS	14 45	LT	20	493.6		
		ePS	16 20	LR	20	445.2		
		eSS	22 05	LR	22	408.0		
		e	25 10	LR	24	316.9		
		eSSS	26 05	LT	23	432.6		
		eLQ	32 00	LT	30	1230.4		
		eLR	39 00	LZ	22	620.6		
4	DH-	ePP	16 09 40	LZ	20	224.2	126.2	
		eL	45 50	LZ	22	372.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
4	AD-	eL	20 25 05	LZ	25.	164.6		
4	LC-	eP	20 51 19.0	SZ	0.2	11.0	1.4	
		eS	51 36	ST	0.2	5.2		
4	MN-	e	21 09 15	LZ	33	590.6		
4	MN-	e	21 10 40	LZ	30	336.9		

4 21 11 40. 5.5 S 151.2 E NEW BRITAIN REGION
H=101 KM MAG 5.20 CGS

4	AD-	eL	21 40 35	LZ	30.	390.7	63.4	
4	MN-	eL	21 55 53	LZ	28	502.8	93.9	
4	LC-	eL	21 59 15	LZ	32	206.3	103.2	
4	LC-	eL	21 14 25	LZ	25.	75.4		
4	LC-	eP	22 19 12.5	SZ	0.5	2.9	.1	
		eS	19 14	SR	0.4	3.8		

5 02 16 13.* 85.7 N 88.7 E NORTH OF SEVERNAYA ZEMLYA
H= 33 KM MAG 4.50 CGS

5	NP-	eP	02 20 21.5	SZ	1.0	28.2	17.8	4.38

5 04 57 06.6 77.4 N 6.0 E SVALBARD REGION
H= 33 KM MAG 5.30 CGS

5	MN-	eP	05 07 18.2	SZ	0.8	1.4	59.5	4.08
5	LC-	eP	05 07 34.0	SZ	0.7	8.3	63.3	4.93
		eL	33 20	LZ	15	128.1		
							AVG.	4.50

5	LC-	eP	05 06 15.5	SZ	1.9	46.6		

5 05 14 39.6 20.9 S 178.5 W FIJI ISLANDS REGION
H=529 KM MAG 5.20 CGS

5	LC-	eP	05 26 29.0	SZ	1.2	25.8	86.8	4.82

5 05 18 06.7 19.1 S 169.0 E NEW HEBRIDES ISLANDS
H=160 KM MAG 4.50 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5			08 29 06.6	15.9 N 147.1 E MARIANA ISLANDS REGION H= 42 KM				
5			10 32 39.2	17.8 S 167.8 E NEW HEBRIDES ISLANDS H= 33 KM MAG 4.40 CGS				
5	DH-	eP	14 03 00.2	SZ	0.2	16.8	1.5	
		eS	03 20	SR	0.2	13.2		
5	DH-	eP	14 54 23.5	SZ	0.3	15.7	1.1	
		eS	54 47	SR	0.3	23.1		
5	DH-	eP	17 48 53.0	SZ	0.2	12.6	1.9	
		eS	49 19	SR	0.3	33.0		
5			19 50 01.6	59.4 N 144.8 W GULF OF ALASKA H= 33 KM MAG 4.70 CGS				
5	NP-	eP	19 54 24.0	SZ	1.0	32.2	19.1	4.54
		eL	58 00	SZ	2.8	218.5		
5	RK-	eP	19 56 06.5	SZ	1.0	12.8	29.8	4.67
		eS	20 01 15	LT	22	245.6		
		eL	08 00	LR	16	517.0		
5	LC-	eP	19 57 14.5	SZ	1.0	4.2	37.0	4.19
		e	57 21	SZ	1.0	12.6		
		eL	20 08 45	LZ	26	174.8		
5	AD-	eL	20 02 10	LZ	20	910.2	19.4	
5	JR-	eL	20 06 40	LZ	27	379.8	32.6	
5	DH-	eL	20 15 08	LR	15	329.6	45.1	
							AVG.	4.46
5	LC-	eP	21 04 06.3	SZ	0.3	22.5	1.4	
		eS	04 24	SR	0.4	15.4		
5			22 31 44.3	54. N 161.5 E NEAR EAST COAST OF KAMCHATKA H= 38 KM MAG 5.20 CGS				
5	AD-	eL	22 38 15	LZ	22	974.6	13.3	
5	LC-	eP	22 42 26.0	SZ	1.2	12.9	65.6	4.92
		eL	23 04 10	LZ	33	184.5		
5	MN-	eL	22 59 55	LZ	22	257.3	54.7	
5	JR-	eL	23 01 25	LZ	35	210.1	60.8	
5	RK-	eL	23 02 55	LZ	15	142.9	58.1	
5	RK-	eP	23 05 50.5	SZ	0.6	4.0		
5	DH-	eL	23 15 20	LZ	20	233.9		
5	MN-	eP	23 20 01.5	SZ	0.8	.4		
5	MN-	e	23 20 35	SZ	1.0	1.6		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
5			23 51 38.8	53.9 N 161.5 E OFF EAST COAST OF KAMCHATKA H= 38 KM MAG 5.30 CGS				
5	AD-	eL	23 58 10	LZ	23	1415.5	13.3	
6	LC-	eP	00 02 21.0	SZ	1.3	16.1	65.6	4.98
6	MN-	eL	00 19 40	LZ	25	478.9	54.8	
5			23 55 59.2	54. N 161.5 E NEAR EAST COAST OF KAMCHATKA H= 39 KM MAG 5.00 CGS				
6	AD-	eL	00 02 27	LZ	28	2743.2	13.3	
6	NP-	eP	00 03 07.5	SZ	0.8	6.0	35.9	4.52
6			01 53 06.*	14.7 S 173.3 W SAMOA ISLANDS REGION H= 33 KM MAG 4.50 CGS				
6	LC-	e	03 00 10	LR	17.	263.0		
6	JR-	eP	03 03 10.0	SZ	0.4	.8		
6	JR-	eL	03 04 27	SR	0.5	27.0		
6	LC-	e	03 06 35	LR	21	196.0		
6	LC-	eLQ	03 15 15	LR	29	430.5		
6	JR-	e	03 15 20	LR	30	488.0		
6			03 15 37.7	15.4 S 70.5 W SOUTHERN PERU H=164 KM MAG 4.60 CGS				
6	RK-	eP	03 26 26.3	SZ	0.6	16.0	69.0	4.96
6	MN-	e	03 15 45	LR	22.	182.9		
6	JR-	eLR	03 19 43	LZ	28	685.4		
6	LC-	eLR	03 19 58	LZ	26	440.3		
6	MN-	eL	03 20 05	LZ	25	780.5		
6	AD-	eL	03 25 56	LZ	29	737.7		
6	RK-	eL	03 31 20	LZ	25	194.2		
6			04 27 16.*	2.3 S 138.3 E WEST NEW GUINEA H= 33 KM MAG 5.00 CGS				
6	NP-	eP	04 40 39.5	SZ	1.0	12.0	95.1	5.29
6	MN-	eP	04 41 14.2	SZ	1.4	7.9	102.0	5.19
		eSS	05 00 17	LT	25	267.6		
		eLQ	09 00	LT	30	774.3		
		eLR	13 30	LZ	28	483.5		
6	AD-	e	04 48 00	LZ	18	290.3	66.0	
		eL	55 20	LZ	17	282.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	LC-	eSKS	04 53 10	LR	17.	121.4	112.3	
		e	56 07	LR	22	151.7		
		ePKKP	56 57	SZ	1.0	1.9		
		e	05 02 45	LR	32	249.0		
		eLQ	13 15	LT	38	465.3		
		eLR	18 15	LZ	28	635.3		
6	JR-	eL	05 16 20	LZ	30	772.9	107.5	
							AVG.	5.24
6	05 03 57.5		17.9 N 143.5 E MARIANA ISLANDS REGION H= 13 KM MAG 4.70 CGS					
6	NP-	eP	05 15 36.0	SZ	1.2	16.5	74.4	4.91
6	MN-	eP	05 16 34.5	SZ	0.9	1.9	85.4	4.26
							AVG.	4.58
6	NP-	eP	05 40 39.5	SZ	1.2	71.8		
6	05 41 06.9		18. S 178.5 W FIJI ISLANDS REGION H=551 KM MAG 5.60 CGS					
6	MN-	eP	05 52 18.5	SZ	1.3	19.2	79.7	4.37
		epP	54 20	SZ	1.5	14.7		
6	LC-	eP	05 52 46.5	SZ	1.2	10.7	85.0	4.35
							AVG.	4.36
6	MN-	e	06 44 15	LZ	15.	230.7		
6	RK-	eP	08 24 02.4	SZ	0.5	1.2		
6	MN-	eP	08 24 49.2	SZ	1.0	9.1		
6	LC-	eP	08 24 51.0	SZ	0.7	.4		
6	LC-	e	08 25 08	SZ	1.0	5.9		
6	LC-	e	08 25 38	LZ	22	123.8		
6	MN-	e	08 25 47	SZ	1.0	5.0		
6	MN-	eP	08 32 45.8	SZ	0.3	4.4	1.6	
		eS	33 07	ST	0.5	3.5		
6	MN-	e	08 35 07	LR	17	299.3		
6	LC-	e	08 35 55	LT	18	265.9		
6	MN-	e	08 40 25	LT	23	179.8		
6	MN-	e	08 46 00	LR	20	257.5		
6	LC-	e	08 48 22	LR	32	407.6		
6	AD-	eL	08 48 45	LZ	24	711.1		
6	MN-	eP	08 50 41.6	SZ	0.3	20.2	.8	
		eS	50 53	SR	0.3	36.6		
6	MN-	eLR	08 51 10	LZ	23	589.6		
6	JR-	eL	08 51 45	LZ	25	359.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
6	LC-	eLR	08 53 50	LZ	23.	842.1		
6	RK-	eL	09 03 30	LT	23	262.2		
6	DH-	eL	09 10 12	LZ	24	649.9		
6	11 09 37.*		17.8 N 146.5 E MARIANA ISLANDS H= 16 KM MAG 4.80 CGS					
6	12 30 48.*		47.6 N 152.9 E KURILE ISLANDS H= 33 KM MAG 4.50 CGS					
6	MN-	eL	16 43 45	LZ	27.	149.3		
6	MN-	eP	16 44 32.3	SZ	0.2	15.8		
6	LC-	eL	16 48 40	LZ	27	73.3		
6	LC-	eP	17 51 27.0	SZ	0.2	.9	2.0	
		eS	51 54	SR	0.3	1.6		
6	MN-	eP	18 41 51.5	SZ	0.4	1.4	2.6	
		eS	42 24	SR	0.4	4.3		
6	LC-	eP	20 27 20.5	SZ	0.2	11.8	1.3	
		eS	27 37	SR	0.2	2.2		
6	23 53 02.*		53.2 N 159.8 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 4.30 CGS					
7	03 39 04.1		12. N 122.3 E PANAY, PHILIPPINE ISLANDS H= 40 KM MAG 5.20 CGS					
7	NP-	eP	03 51 36.5	SZ	1.3	23.2	84.9	5.13
7	06 02 21.5		5.5 S 80.3 W NEAR COAST OF NORTHERN PERU H=345 KM MAG 3.50 CGS					
7	08 58 43.8		5.4 S 151.3 E NEW BRITAIN REGION H= 54 KM MAG 5.80 CGS					
7	AD-	eP	09 09 07.0	SZ	0.7	54.9	63.3	5.70
		eP	09 09	LZ	30	845.3		
		eS	17 35	LR	27	2232.5		
		eSS	21 15	LR	20	1498.3		
		eLQ	24 50	LR	35	6587.1		
		eLR	27 30	LZ	999	9999.9		
7	MN-	eP	09 11 55	LZ	27	437.2	93.7	
		ePP	15 40	LZ	27	255.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	22 55	LR	20.	501.3		
		ePS	24 22	LR	25	993.6		
		eSS	29 23	LR	26	1151.4		
		eSSS	33 20	LR	25	761.8		
		eLQ	36 40	LR	35	1028.5		
		eLR	41 00	LZ	35	9999.9		
7	NP-	eP	09 12 00.0	SZ	0.6	16.8	95.0	5.65
7	JR-	eP	09 12 19.5	SZ	1.3	61.5	98.6	6.10
		eP	12 23	LZ	22	256.4		
		ePP	16 10	LZ	22	213.7		
		eSKS	22 55	LR	33	513.7		
		ePS	25 15	LT	27	729.4		
		eSS	30 40	LT	30	885.9		
		eSSS	33 50	LT	27	841.6		
		eL	44 05	LZ	30	3737.1		
7	HY-	eP	09 12 32.8	SZ	1.1	15.3	101.9	5.59
		ePKKP	28 49	SZ	0.8	7.3		
7	LC-	eP	09 12 40.3	SZ	1.5	26.1	103.1	5.81
		eP	12 45	LZ	28	254.0		
		ePP	16 41	SZ	1.0	4.9		
		ePP	16 58	LZ	27	283.9		
		eSKS	23 45	LT	23	158.1		
		ePS	25 40	LT	30	685.6		
		ePKKP	28 56	SZ	0.8	8.1		
		e	29 20	LT	30	287.9		
		e	32 40	LT	28	365.2		
		e	36 17	LT	32	743.1		
		e	38 00	LT	25	415.9		
		eLQ	41 20	LT	25	750.9		
		eLR	45 40	LZ	999	9999.9		
7	DH-	eL	09 56 30	LZ	35	2796.3	125.1	
							AVG.	5.77
7	RK-	eP	09 08 24.4	SZ	1.5	74.4		
7	10 07 42.		18.1 S 68.7 W CHILE BOLIVIA BORDER REGION					
			H= 95 KM MAG 4.40 CGS					
7	MN-	e	10 11 56	SZ	999.9	9999.9		
7	MN-	e	10 12 07	SR	1.1	40.6		
7	MN-	e	10 15 41	SZ	1.2	12.8		
7	MN-	e	10 15 48	SZ	1.2	12.8		
7	MN-	eS	10 22 59	ST	2.2	50.9		
7	AD-	eL	11 27 35	LZ	30	281.7		
7	AD-	e	11 37 00	LZ	25	189.9		
7	MN-	eP	12 14 29.6	SZ	0.5	6.2	.6	
		eS	14 38	SR	999.9	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	13 08 05.		5.1 S 153.3 E NEW IRELAND REGION					
			H= 57 KM MAG 4.40 CGS					
7	AD-	eP	15 31 02.0	SZ	0.3	5.6	1.5	
		eS	31 22	SR	0.2	46.2		
7	15 43 29.7		5.1 S 145.9 E EAST NEW GUINEA REGION					
			H=219 KM MAG 5.00 CGS					
7	MN-	eL	16 33 48	LZ	10.	723.3	97.8	
7	15 55 56.8		6.4 S 76.2 W NORTHERN PERU					
			H=177 KM MAG 4.70 CGS					
7	LC-	eP	16 04 22.1	SZ	0.9	8.3	48.2	4.26
7	MN-	eP	16 05 42.3	SZ	1.0	10.8	59.2	4.61
		eL	25 00	LR	25	198.7		
							AVG.	4.43
7	AD-	eP	15 59 54.5	SZ	999.9	9999.9		
7	AD-	eL	16 00 00	LZ	27	199.8		
7	MN-	eP	16 21 10.5	SZ	0.8	5.4	2.5	
		e	21 12	SZ	999.9	9999.9		
		eS	21 42	SR	999.9	9999.9		
7	MN-	eP	17 39 28.6	SZ	0.5	1.5	3.1	
		eS	40 07	SR	0.6	1.7		
7	MN-	eP	17 46 02.3	SZ	0.3	1.1	.1	
		eS	46 05	SR	0.5	2.1		
7	MN-	eP	18 26 18.1	SZ	0.3	1.1	1.5	
		eS	26 37	SR	0.3	2.0		
7	18 30 17.*		51.7 N 158.0 E NEAR EAST COAST OF KAMCHATKA					
			H= 50 KM MAG 5.10 CGS					
7	AD-	eL	18 37 15	LZ	30	619.8	15.7	
7	NP-	eP	18 37 39.5	SZ	0.5	9.1	38.8	4.82
7	MN-	eP	18 40 03.8	SZ	1.0	15.0	57.5	4.98
							AVG.	4.90
7	18 52 47.6		6.7 N 82.2 W SOUTH OF PANAMA					
			H= 30 KM MAG 5.20 CGS					
7	LC-	eP	18 59 35	LZ	17.	330.8	34.2	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	59 42	SZ	1.0	26.6		5.10
		e	19 00 50	LR	18	932.3		
		e	01 06	SR	2.0	98.9		
		eS	05 00	LR	999	9999.9		
		eL	09 40	LZ	999	9999.9		
7	JR-	eP	19 00 15.0	SZ	1.2	68.2	39.2	5.24
		eP	00 18	LZ	17	256.4		
		ePP	01 52	SZ	2.2	187.0		
		ePP	01 53	LZ	18	1054.5		
		eS	06 25	LT	27	2468.9		
		eLQ	10 40	LR	35	1592.2		
		eLR	13 00	LZ	30	2491.4		
7	RK-	eP	19 01 00.0	SZ	1.3	115.6	45.0	5.59
		ePP	02 50	SZ	2.2	160.2		
7	MN-	eP	19 01 05.0	SZ	0.8	18.7	45.3	5.04
		eP	01 08	LZ	15	350.2		
		e	01 19	SZ	1.2	41.0		
		ePP	02 55	SZ	2.1	134.2		
		ePP	03 05	LZ	12	493.4		
		eS	07 58	LR	30	9999.9		
		eL	15 38	LR	25	1424.2		
7	NP-	eP	19 04 11.5	SZ	1.6	97.3	72.4	5.59
		ePP	06 52	SZ	1.7	84.0		
7	DH-	eS	19 05 43	LR	18	1617.7	36.0	
		eL	08 15	LR	41	10.3U		
7	AD-	eS	19 16 26	LR	999	9999.9	87.5	
		eSS	22 23	LR	30	1510.7		
		eL	35 33	LZ	40	1453.6		
							AVG.	5.31

7 19 31 35.* 7.6 S 128.0 E BANDA SEA
H=144 KM

7 20 41 42. 18.9 S 69.6 W NORTHERN CHILE
H=127 KM MAG 4.40 CGS

7	RK-	eP	20 58 55.5	SZ	0.3	4.5	2.0	
		eS	59 25	SR	0.3	17.4		

7 21 03 48.3 2.6 N 79.8 W SOUTH OF PANAMA
H= 38 KM MAG 4.40 CGS

7	LC-	eP	21 11 15.0	SZ	999.9	9999.9	1.3	
		eS	11 32	SR	999.9	9999.9		
7	LC-	eP	22 03 50	LZ	14	254.4		
7	LC-	e	22 19 57	LT	25	69.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
7	LC-	e	22 24 40	LR	23.	354.1		
7	LC-	eLR	22 27 30	LZ	22	323.6		
7	MN-	eL	22 29 50	LZ	23	372.2		
7	AD-	eL	22 44 20	LZ	27	249.8		

8 04 11 53.7 11.5 N 87.0 W NEAR COAST OF NICARAGUA
H= 48 KM MAG 5.00 CGS

8	JR-	ePCP	04 21 10	SZ	0.7	3.7	32.5	
		eLR	31 35	LZ	20	352.9		
8	AD-	eLR	04 53 40	LZ	20	121.5	80.9	
8	MN-	eL	07 19 15	LZ	27.	107.8		

8 09 14 29.* 21.3 S 81.8 W S. E. CENTRAL PACIFIC OCEAN
H= 33 KM MAG 4.80 CGS

8	LC-	eP	09 24 24.5	SZ	1.1	9.8	58.4	4.75
		eSCP	29 04	SZ	0.8	2.3		
8	JR-	eP	09 24 54.5	SZ	0.7	13.8	62.8	5.15
		ePCS	29 35	SR	1.0	19.5		
8	DH-	eP	09 24 58.5	SZ	0.7	8.5	63.5	4.96
8	MN-	eP	09 25 31.5	SZ	0.7	2.4	68.5	4.41
8	HY-	eP	09 25 44.5	SZ	1.0	25.0	70.8	5.20
		e	25 50	SZ	1.0	28.1		
8	RK-	eP	09 25 54.5	SZ	0.8	11.5	72.6	4.96
		ePCP	26 00	SZ	0.8	15.3		
							AVG.	4.90

8	LC-	eL	10 58 45	LZ	23.	102.7		
8	JR-	eL	10 59 45	LZ	22	192.3		
8	MN-	eL	11 01 35	LZ	20	137.8		
8	LC-	eP	15 01 27.5	SZ	0.7	1.4		
8	MN-	eP	15 50 11.0	SZ	0.4	1.4	2.9	
		eS	50 48	SR	0.5	9.7		

8 16 11 25.* 45. N 130.1 W OFF COAST OF OREGON
H= 28 KM MAG 4.30 CGS

8	MN-	eP	16 14 05.0	SZ	1.0	2.4	11.1	4.41
8	HY-	eP	16 15 17.5	SZ	1.0	15.6	16.2	4.12
8	LC-	eP	16 16 22.0	SZ	1.5	5.8	22.1	3.77
8	RK-	eP	16 16 51.0	SZ	0.8	5.7	24.9	4.26
							AVG.	4.14

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
8	17 49 46.3		34.7 N 139.2 E NEAR S. COAST HONSHU, JAPAN H= 31 KM MAG 5.20 CGS					
8	AD-	eP	17 56 45	LZ	15	313.2	35.8	
		eS	18 02 30	LR	25	1733.9		
		eL	06 35	LZ	25	9999.9		
8	NP-	eP	17 59 46.0	SZ	1.0	24.1	59.3	5.19
		eLR	18 21 00	LZ	29	2293.0		
8	MN-	eP	18 01 44.5	SZ	1.2	28.9	77.9	5.19
		e	11 40	LT	18	371.3		
		eLQ	22 35	LT	27	3735.4		
		eLR	26 15	LZ	31	2339.8		
8	HY-	eP	18 01 55.0	SZ	1.0	43.7	79.9	5.32
8	RK-	eP	18 02 10.0	SZ	1.0	19.4	82.9	5.19
		e	18 05	LZ	23	244.4		
		eL	29 00	LZ	35	517.7		
		eL	33 45	LZ	22	1026.8		
8	JR-	eP	18 02 18.0	SZ	1.0	30.4	84.1	5.39
		eLQ	25 20	LT	32	1970.7		
		eLR	28 45	LZ	30	2413.5		
8	LC-	eP	18 02 41.0	SZ	0.8	2.9	89.1	4.54
		eSKS	13 00	LR	15	359.1		
		eSS	19 45	LR	23	287.0		
		eL	31 00	LZ	32	1591.4		
							AVG.	5.13
8	19 17 26.*		67.5 N 137.0 W N. YUKON TERRITORY, CANADA H= 33 KM MAG 3.70 CGS					
8	NP-	eP	19 19 58.5	SZ	0.5	5.7	10.3	5.11
		eL	21 50	SR	0.5	9.4		
8	RK-	eP	19 23 10.0	SZ	0.6	1.3	27.0	3.79
		eS	27 45	SR	1.0	3.0		
8	DH-	eSCS	19 35 25	LR	35	1045.9	41.2	
		eLR	41 10	LR	26	2410.6		
							AVG.	4.45
8	20 55 55.3		19. N 64.0 W LEEWARD ISLANDS H= 55 KM MAG 4.50 CGS					
8	DH-	eP	21 01 16.0	SZ	0.6	9.3	24.9	4.52
		e	05 50	ST	0.7	41.6		
		eLR	07 50	LZ	24	771.5		
8	LC-	eP	21 03 30.0	SZ	0.6	3.3	40.4	4.27
8	JR-	eP	21 04 10.0	SZ	1.0	15.2	45.2	4.79
		eLR	22 25	LZ	24	129.1		
8	RK-	eLR	21 15 45	LZ	25	183.3	39.5	
							AVG.	4.52

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	MN-	eP	03 09 07.5	SZ	0.2	.7	2.5	
		eS	09 39	SR	0.3	3.5		
9	06 19 33.3		19.5 S 176.9 W FIJI ISLANDS REGION H=290 KM MAG 3.80 CGS					
9	06 42 32.*		43.1 N 145.2 E HOKKAIDO, JAPAN REGION H= 39 KM MAG 4.80 CGS					
9	LC-	eP	06 54 39.8	SZ	0.7	2.4	80.2	4.22
9	AD-	eL	06 55 30	LZ	25	216.7	26.9	
9	07 21 18.*		60.8 N 144.2 W SOUTHERN ALASKA H= 33 KM MAG 4.00 CGS					
9	MN-	eP	07 38 00.7	SZ	1.0	.7		
9	07 51 10.*		51.1 N 170.5 W FOX ALEUTIAN ISLANDS H= 33 KM MAG 4.20 CGS					
9	AD-	eP	07 51 55.0	SZ	0.2	15.0	3.9	4.68
		eL	52 31	SR	0.2	177.2		
9	11 22 22.*		35.1 S 109.7 W EASTER ISLAND CORDILLERA H= 33 KM MAG 4.70 CGS					
9	LC-	eP	11 33 15.2	SZ	1.0	5.9	67.2	4.67
		eS	42 27	LT	22	284.7		
		eSS	46 35	LT	31	244.2		
		eLQ	50 25	LT	23	114.9		
		eLR	56 00	LZ	25	634.6		
9	JR-	eP	11 33 30.6	SZ	1.0	9.9	69.6	4.83
		eSS	47 32	LT	25	362.0		
		eL	57 02	LT	27	586.2		
9	MN-	eP	11 33 53.7	SZ	1.0	7.9	73.6	4.66
		eL	58 30	LZ	27	1385.2		
9	HY-	eL	12 05 00	LT	15	520.8	80.7	
9	AD-	eL	12 11 00	LZ	28	446.3	104.5	
							AVG.	4.72
9	13 35 42.4		27.5 S 63.2 W SANTIAGO PROV., ARGENTINA H=586 KM MAG 5.90 CGS					
9	DH-	eP	13 45 59.3	SZ	1.4	776.8	70.2	6.04

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	46 00	LZ	17.	779.7		
		ePP	48 50	LZ	18	582.8		
		eS	54 25	SR	2.5	2402.1		
		eS	54 25	LR	18	5785.9		
		e	57 55	LR	20	1249.3		
9	LC-	iP	13 46 11.7C	SZ	0.7	89.8	72.5	5.41
		eP	46 12	LZ	25	104.7		
		epP	48 10	LZ	18	1472.5		
		epP	48 11	SZ	2.0	187.1		
		e	48 52	SZ	1.2	46.0		
		ePP	49 04	SZ	1.0	19.9		
		eS	54 47	LT	999	9999.9		
		eS	54 50	SR	2.3	512.4		
		eSCS	55 28	SR	2.5	531.7		
		e	58 15	LT	25	9999.9		
		eP'P'	14 13 46	SZ	2.5	73.9		
		e	16 23	SZ	2.8	85.7		
9	JR-	iP	13 46 39.5C	SZ	999.9	9999.9	77.3	
		e	48 43	SZ	0.8	54.4		
		eS	55 44	LT	23	2341.3		
		eS	55 54	ST	2.8	2766.0		
		eS	55 54	SR	2.4	1808.5		
		e	59 23	LT	24	1370.6		
9	RK-	eP	13 47 05.0	SZ	0.9	162.7	82.5	5.56
		eP	47 05	LT	16	177.6		
		epP	49 09	SZ	1.0	89.7		
		epP	49 10	LR	25	129.0		
		eSKS	56 29	ST	2.9	4141.7		
		eSKS	56 32	LR	20	1455.7		
		ePKKP	14 05 18	LZ	20	780.5		
		ePKKP	05 24	SZ	0.5	2.4		
		e	08 50	LR	29	904.9		
		e	22 57	SZ	0.4	6.6		
9	HY-	eP	13 47 08.7	SZ	0.8	205.6	83.3	5.74
		e	49 05	LT	18	263.3		
		e	49 14	SZ	2.4	868.1		
		e	49 20	SZ	0.9	70.3		
		eS	56 30	LT	18	2106.7		
		eS	56 41	SR	2.5	2885.0		
		e	14 00 25	LT	15	1128.4		
		eL	09 35	LT	23	1761.4		
		eP'P'	13 29	SZ	3.0	255.3		
		eL	16 00	SZ	1.0	9.1		
9	MN-	iP	13 47 10.0C	SZ	0.8	33.5	83.3	4.95
		epP	49 15	SZ	1.3	49.1		
		e	49 18	LZ	18	757.4		
		e	50 35	SZ	2.0	154.7		
		eS	56 37	ST	3.2	614.4		
		eS	56 40	LT	22	3775.9		
		eS	56 40	LR	20	3132.9		
		e	56 50	ST	4.4	1612.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	57 50	LR	22.	1534.4		
		e	14 01 10	LR	22	1281.5		
		e	04 15	SZ	1.0	1.5		
		e	06 05	LT	26	2160.2		
		e	09 43	LT	28	2231.5		
		e	13 27	SZ	2.4	69.9		
9	NP-	e	13 52 17	SZ	1.0	4.0	109.1	
		eP'	53 22	SZ	1.0	16.1		
		eSKS	58 48	ST	1.8	83.8		
		e	59 45	ST	2.5	173.9		
		e	14 02 11	SZ	1.8	76.8		
9	AD-	ePP	13 55 43	LZ	18	527.9	125.4	
		ePPP	58 33	LZ	18	422.3		
		eSKKS	14 01 42	LR	18	728.5		
		eSCSP	04 16	LZ	15	626.4		
							AVG.	5.54
'P	141	7111BS	' TO 24	54	LZ .	90.5		13
9	DH-	e	13 47 58	SZ	2.3	1020.9		
9	MN-	e	14 15 45	SZ	1.2	3.6		

9 14 22 03.* 13.2 N 87.2 W HONDURAS
H=200 KM MAG 3.90 CGS

9	LC-	eP	14 27 13.0	SZ	0.7	2.9	26.1	4.13
9	MN-	eP	14 28 54.0	SZ	1.0	3.9	37.2	3.98
							AVG.	4.05
9	DH-	e	15 24 30	LZ	30.	2287.9		
9	HY-	e	15 35 11	SZ	1.5	26.9		

9 16 44 02.2 20.4 S 68.0 W SOUTHERN BOLIVIA
H= 83 KM MAG 5.00 CGS

9	LC-	eP	16 54 29.0	SZ	1.0	3.9	64.2	4.35
		ePCP	54 58	SZ	1.2	16.8		
9	RK-	eP	16 55 32.5	SZ	0.2	7.6	74.4	5.22
		ePCP	56 02	SZ	1.3	73.9		
							AVG.	4.78

9 18 28 38.2 41.1 N 21.0 E ALBANIA YUGOSLAVIA BORDER
H= 30 KM MAG 4.80 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
9	MN-	eP	18 45 28.0	SZ	0.2	.7	3.6	
		eS	46 13	SR	0.3	5.5		
9	19 06 16.9		40.9 N 20.6 E GREECE ALBANIA BORDER REGION					
			H= 23 KM MAG 4.90 CGS					
9	19 12 21.*		1.1 S 77.4 W ECUADOR					
			H=242 KM MAG 4.50 CGS					
9	DH-	eP	19 20 01.0	SZ	0.9	33.9	43.2	4.75
9	RK-	eP	19 21 17.5	SZ	0.5	18.1	53.6	4.88
		e	22 01	SZ	0.7	12.7		
9	MN-	eP	19 21 25.0	SZ	1.0	10.3	54.3	4.33
		ePCP	22 11	SZ	1.0	7.9		
							AVG.	4.65
9	MN-	eP	21 09 31.2	SZ	0.3	2.8	1.5	
		eS	09 50	SR	0.3	5.8		
9	MN-	eP	22 19 03.2	SZ	0.3	2.8	.8	
		eS	19 14	SR	0.4	2.5		
9	22 51 45.*		4.7 N 126.9 E TALAUD ISLANDS					
			H= 33 KM MAG 4.80 CGS					
10	02 35 40.*		1.9 N 76.7 W COLOMBIA					
			H=191 KM MAG 4.50 CGS					
10	LC-	eP	02 43 08.8	SZ	0.7	4.9	41.4	4.17
10	MN-	eP	10 53 01.6	SZ	0.4	.5	4.2	
		e	53 08	SZ	0.4	4.4		
		eS	53 52	SR	0.5	30.1		
10	11 53 45.2		19.5 N 155.3 W HAWAII REGION					
			H= 10 KM MAG 5.10 CGS					
10	MN-	eP	12 01 00.4	SZ	0.9	3.6	37.3	4.13
		e	01 15	SZ	1.1	8.8		
10	JR-	eP	12 01 34.0	SZ	0.8	4.7	41.1	4.28
10	LC-	eP	12 02 06.0	SZ	1.1	7.1	45.3	4.52
10	RK-	eP	12 03 33.2	SZ	0.7	4.7	57.3	4.63

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	NP-	eP	12 03 51.6	SZ	0.9	32.4	59.7	5.36
10	AD-	eL	12 10 45	LZ	31	360.0	36.4	
							AVG.	4.58
10	RK-	eP	13 37 43.5	SZ	1.0	9.4		
10	15 10 25.6		36.5 S 110.5 W EASTER ISLAND CORDILLERA					
			H= 33 KM MAG 5.30 CGS					
10	LC-	eP	15 21 27.2	SZ	2.2	122.6	68.6	5.61
		eP	21 32	LZ	16	206.2		
		ePP	23 51	SZ	1.0	74.6		
		eS	30 40	LT	23	9999.9		
		eLQ	38 46	LR	25	858.7		
		eLR	43 54	LZ	999	9999.9		
10	JR-	eP	15 21 41.9	SZ	1.5	29.5	71.0	5.10
		eP	21 43	LZ	13	322.5		
		eS	31 08	LT	25	934.6		
		eSS	35 40	LT	21	1511.4		
		eL	44 35	LZ	31	4022.2		
10	MN-	eP	15 22 05.0	SZ	1.0	23.9	74.9	5.11
		eP	22 07	LZ	15	275.1		
		eS	31 39	LT	19	1275.5		
10	RK-	eP	15 23 17.0	SZ	1.3	273.8	88.2	6.32
10	AD-	eL	15 58 54	LZ	23	2778.0	105.2	
10	NP-	eL	16 06 40	LZ	30	4477.8	112.6	
							AVG.	5.53
					5.5	3 .	7.	
10	15 11 05.5		40.4 N 138.9 E EASTERN SEA OF JAPAN					
			H= 33 KM MAG 6.00 CGS					
10	AD-	eP	15 17 31.0	SZ	1.2	312.5	32.4	6.06
		eP	17 32	LZ	14	1957.3		
		e	17 41	SZ	1.4	669.6		
		eS	22 49	LR	31	10.3U		
		eLQ	25 28	LT	32	24.7U		
		eLR	26 39	LZ	999	9999.9U		
10	NP-	eP	15 20 25.2	SZ	1.0	358.8	53.9	6.35
		eP	20 29	LZ	13	2827.0		
		e	20 42	SZ	0.9	403.2		
		e	24 33	SZ	2.0	130.5		
		eS	28 00	ST	2.0	132.0		
		eS	28 03	LT	15	3911.0		
		ePS	28 15	SR	2.3	379.0		
		eLQ	35 00	LR	51	11.2U		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLR	37 41	LR	35.	9951.3		
10	MN-	eP	15 22 43.0	SZ	1.2	158.5	74.6	5.85
		eP	22 44	LZ	13	2179.2		
		eS	32 21	SR	3.8	201.8		
10	HY-	eP	15 22 49	LZ	23	1661.3	75.8	
		eP	22 49	SZ	1.0	9999.9		
		ePCP	23 04	SZ	0.9	9999.9		
		ePP	25 44	LZ	22	996.8		
		eS	32 30	LT	14	2052.5		
		eSS	37 32	LT	31	2809.8		
		eL	44 00	LZ	39	14.9U		
10	RK-	eP	15 23 01.0	SZ	1.0	158.2	78.2	5.99
		eP	23 02	LZ	13	1132.6		
		ePP	26 02	LZ	14	466.7		
		e	32 50	LZ	999	9999.9		
		e	41 42	LZ	24	1093.8		
		eL	45 58	LZ	43	3298.5		
10	JR-	eP	15 23 17.8	SZ	1.0	143.2	80.7	5.87
		eP	23 18	LZ	14	1519.0		
		eS	33 35	LT	25	1416.2		
		eSS	38 46	LR	999	9999.9		
10	LC-	eP	15 23 43.0	SZ	0.9	101.3	85.6	5.91
		eP	23 43	LZ	14	1400.4		
		ePP	26 58	SZ	1.4	20.7		
		eS	34 15	ST	3.9	169.6		
		eS	34 19	LR	22	9999.9		
10	DH-	eP	15 24 13.1	SZ	1.0	157.8	92.2	6.31
		eP	24 15	LZ	14	951.6		
		e	24 29	SZ	1.4	313.2		
		ePP	27 58	LZ	13	747.1		
		e	33 30	LR	24	968.4		
		eSKS	34 26	LT	14	990.2		
		eS	35 15	LT	14	1630.9		
		eSP	36 18	LZ	14	2295.1		
		eSSS	45 08	LR	22	1218.3		
		eL	48 03	LR	35	5601.2		
							AVG.	6.04
10	LC-	e	15 26 43	SZ	2.0	48.4		
10	LC-	eS	15 30 46	SR	4.8	361.8		
10	MN-	e	15 33 38	LR	35	3265.6		
10	MN-	e	15 36 30	LT	26	2427.0		
10	MN-	e	15 40 51	LR	22	2817.1		
10	MN-	eLQ	15 42 53	LT	40	9999.9		
10	MN-	eLR	15 46 37	LZ	26	9999.9		
10	LC-	eP	17 12 21.0	SZ	0.6	4.0		
10	LC-	eL	17 13 51	SR	0.6	1.9		
10	RK-	eP	18 37 22.1	SZ	0.7	3.1		
10	LC-	eP	18 38 47.0	SZ	0.8	1.8		
10	DH-	eL	18 42 52	LZ	25	744.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
10	LC-	e	18 46 28	LR	21.	165.5		
10	RK-	eL	18 49 54	LZ	30	226.1		
10	LC-	eLQ	18 54 32	LR	29	148.5		
10	LC-	eLR	18 55 54	LZ	27	183.0		
10	JR-	eL	18 56 35	LZ	34	225.4		
10	MN-	eL	19 00 34	LR	32	217.4		
10	AD-	eL	19 18 58	LZ	27	228.1		
10	19 43 27.*		44.7 N 149.2 E KURILE ISLANDS H= 22 KM MAG 4.60 CGS					
10	AD-	eL	19 54 39	LZ	30	571.7	23.6	
10	RK-	eP	19 54 40.0	SZ	0.7	3.1	70.4	4.49
10	20 25 40.*		8.4 S 127.1 E TIMOR H= 33 KM					
10	LC-	eP	20 36 06.5	SZ	0.2	9.6	1.2	
		eS	36 23	ST	0.3	5.1		
10	23 30 51.4		40.2 N 139.0 E EASTERN SEA OF JAPAN H= 39 KM MAG 5.40 CGS					
10	NP-	eP	23 40 12.0	SZ	1.3	45.5	54.0	5.34
		e	40 23	SZ	0.9	50.4		
10	MN-	eP	23 42 29.0	SZ	0.8	7.5	74.7	4.70
10	RK-	eP	23 42 46.9	SZ	0.7	6.6	78.3	4.74
10	JR-	eP	23 43 04.2	SZ	0.7	7.5	80.8	4.74
		e	43 11	SZ	0.6	10.5		
10	LC-	eP	23 43 28.6	SZ	0.8	6.8	85.7	4.77
10	AD-	eL	23 46 25	LZ	29	655.7	32.4	
							AVG.	4.85
11	05 25 58.		28.1 N 52.8 E SOUTHERN IRAN H= 61 KM MAG 5.00 CGS					
11	05 29 15.*		18.7 S 178.4 W FIJI ISLANDS REGION H=635 KM MAG 4.10 CGS					
11	11 18 23.*		60.1 N 146.6 W SOUTHERN ALASKA H= 33 KM MAG 4.00 CGS					
11	12 48 08.9		29. N 53.2 E SOUTHERN IRAN H= 74 KM					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	13 03 44.*		16.4 N 98.4 W NEAR COAST OF GUERRERO, MEX. H= 33 KM MAG 3.90 CGS					
11	LC-	eP	13 07 48.0	SZ	1.0	2.9	17.6	3.41
		eLQ	13 20	LT	15	382.6		
		eLR	14 15	LZ	12	302.3		
11	JR-	eP	13 08 37.0	SZ	0.5	2.8	22.0	3.92
		eL	15 20	LT	16	646.5		
11	MN-	eP	13 09 33.5	SZ	1.0	3.2	28.0	4.05
							AVG.	3.79
11	RK-	eP	13 16 08.0	SZ	0.7	12.6		
11	16 04 58.2		38.9 N 130.0 E SEA OF JAPAN H=550 KM MAG 5.60 CGS					
11	NP-	iP	16 13 53.7D	SZ	0.7	161.8	57.2	5.41
11	MN-	eP	16 16 16.5	SZ	0.7	6.5	80.8	4.21
11	HY-	eP	16 16 18.5	SZ	0.7	17.6	81.2	4.66
		epP	18 21	SZ	1.0	35.5		
11	RK-	eP	16 16 24.5	SZ	0.5	9.5	82.8	4.58
		epP	18 27	SZ	1.3	48.7		
11	LC-	eP	16 17 09.0	SZ	0.8	2.3	91.7	4.26
		epP	19 07	SZ	1.3	7.6		
							AVG.	4.62
11	LC-	eP	16 42 19.5	SZ	0.5	7.9		
11	LC-	eL	16 48 22	SZ	2.3	28.8		
11	19 03 26.*		15.3 S 173.4 W TONGA ISLANDS H= 33 KM MAG 4.50 CGS					
11	DH-	eP	19 16 27.0	SZ	0.4	12.1	1.8	
		eS	16 51	SR	0.4	28.1		
11	19 21 52.*		39.1 N 118.3 W NEVADA H= 33 KM MAG 4.20 CGS					
11	MN-	eP	19 22 08.0	SZ	999.9	9999.9	.7	
11	22 42 59.4		6.3 S 131.2 E TANIMBAR ISLANDS REGION H= 47 KM MAG 5.80 CGS					
11	LC-	ePKKP	23 11 55	SZ	0.9	3.0	120.4	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
11	JR-	eL	23 31 30	LZ	20.	156.4	115.5	
11	MN-	eP	23 36 16.0	SZ	0.5	1.5	5.4	
		eS	37 22	SR	0.6	1.7		
12	02 19 52.2		15. S 173.8 W TONGA ISLANDS H= 33 KM MAG 5.00 CGS					
12	MN-	eP	02 31 29.5	SZ	1.0	3.1	74.4	4.24
		eL	53 55	LZ	30	263.4		
12	LC-	eP	02 32 03.0	SZ	0.8	7.6	79.7	4.67
		eL	53 20	LR	25	125.7		
12	JR-	eL	02 55 10	LZ	25	222.5	76.7	
							AVG.	4.45
12	07 20 00.		6.9 S 150.6 E NEW BRITAIN REGION H= 33 KM MAG 5.90 CGS					
12	AD-	eP	07 30 38.0	SZ	1.0	143.7	64.9	6.06
12	MN-	eP	07 33 23.5	SZ	1.4	53.2	95.2	5.80
		e	33 34	SZ	1.4	43.7		
		e	37 15	SZ	1.4	11.4		
		e	44 05	LT	16	257.4		
		e	45 00	LZ	20	396.2		
		eSS	51 25	LT	20	337.5		
		e	08 00 35	LT	25	384.7		
		eL	05 35	LZ	22	884.5		
12	NP-	eP	07 33 28.0	SZ	1.4	94.0	96.7	6.17
12	LC-	eP	07 34 15.0	SZ	1.2	2.4	104.5	
		ePKKP	50 00	SZ	0.8	4.7		
		ePKKP	50 10	SZ	0.7	2.9		
12	JR-	eL	08 06 50	LZ	25	200.2	100.0	
12	HY-	eL	08 10 00	LZ	25	697.9	103.5	
12	RK-	eL	08 14 45	LZ	25	245.1	111.4	
12	DH-	eL	08 23 25	LZ	26	414.8	126.6	
							AVG.	6.01
12	07 57 44.3		7. S 150.7 E NEW BRITAIN REGION H= 30 KM MAG 5.00 CGS					
12	07 59 24.6		39.6 N 117.9 W NEVADA H= 33 KM MAG 3.40 CGS					
12	LC-	eL	08 08 45	LR	34	242.6	11.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	MN-	iP	07 59 33.7C	SZ	999.9	9999.9		
12	09 22 16.3		19. S 169.5 E NEW HEBRIDES ISLANDS H=261 KM MAG 4.10 CGS					
12	10 10 17.		52.6 N 169.3 W FOX ALEUTIAN ISLANDS H= 33 KM MAG 4.80 CGS					
12	AD-	eP	10 11 26.0	SZ	999.9	9999.9	4.6	
		eS	12 31	ST	999.9	9999.9		
		eS	12 35	LR	26	3309.6		
12	NP-	eP	10 16 27.0	SZ	0.5	3.7	30.3	4.46
		e	27 38	LZ	25	404.1		
12	MN-	eP	10 17 37.0	SZ	0.8	1.4	37.7	3.81
		eL	28 15	LZ	25	665.8		
12	HY-	eP	10 17 52.0	SZ	0.8	7.1	40.0	4.42
		eL	28 50	LZ	35	773.9		
12	JR-	eP	10 18 24.5	SZ	0.7	5.6	43.8	4.41
		eL	31 15	LZ	26	500.5		
12	RK-	eP	10 18 28.0	SZ	0.8	9.0	44.9	4.67
		eL	32 50	LZ	30	174.6		
12	LC-	eP	10 19 00.0	SZ	1.0	1.9	48.8	4.07
		e	19 05	SZ	1.0	7.9		
		e	19 12	SZ	0.7	4.9		
		eS	26 20	LR	18	101.5		
		e	27 35	LT	25	143.9		
		eSS	29 55	LR	22	116.4		
		eL	34 00	LR	30	282.8		
12	DH-	eP	10 20 23.0	SZ	0.8	20.7	60.3	5.26
		eL	42 00	LR	27	496.2		
							AVG.	4.44
12	NP-	eP	10 42 23.5	SZ	1.2	21.4		
12	11 16 55.*		2.6 N 76.1 W COLOMBIA H= 51 KM MAG 3.90 CGS					
12	LC-	eP	11 24 36.5	SZ	0.8	1.7	41.2	3.90
12	12 49 05.*		39.7 N 119.7 W NEVADA H= 33 KM					
12	MN-	iP	12 49 32.2C	SZ	999.9	9999.9	1.7	
12	13 11 50.2		35.3 N 23.0 E CRETE H= 60 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	13 14 01.5		39.1 N 114.2 W NEVADA H= 33 KM MAG 2.70 CGS					
12	MN-	eP	13 14 57.0	SZ	0.5	2.4	3.2	3.48
		eS	15 41	ST	0.4	18.7		
12	JR-	eP	13 15 20.0	SZ	0.5	3.4	4.6	3.94
		e	15 24	SZ	0.5	22.4		
		eL	16 23	ST	0.6	14.1		
							AVG.	3.71
12	13 32 02.*		39.6 N 119.6 W NEVADA H= 33 KM					
12	MN-	iP	13 32 27.3D	SZ	999.9	9999.9	1.6	
12	14 20 35.1		35.4 S 71.5 W CENTRAL CHILE H= 89 KM MAG 4.30 CGS					
12	MN-	eP	15 06 42.0	SZ	0.3	6.2	2.1	
		eS	07 09	ST	0.5	25.4		
12	19 44 55.7		26.1 S 175.9 W SOUTH OF TONGA ISLANDS H= 85 KM MAG 4.90 CGS					
12	MN-	eP	19 57 16.5	SZ	1.0	12.7	83.9	4.85
		eL	20 23 10	LZ	26	261.8		
12	LC-	eP	19 57 37.5	SZ	0.8	7.0	88.0	4.79
12	JR-	eL	20 23 50	LZ	30	343.4	85.6	
12	DH-	eL	20 41 50	LZ	23	254.9	114.9	
							AVG.	4.82
12	21 17 21.		40.3 N 125.1 W OFF COAST OF N. CALIFORNIA H= 33 KM MAG 3.50 CGS					
12	MN-	eP	21 18 46.5	SZ	0.8	8.0	5.7	4.36
		eL	20 07	ST	1.0	9999.9		
		eL	20 10	LT	18	9999.9		
12	LC-	eP	21 21 22.5	SZ	1.1	9.8	16.8	3.89
		eLQ	25 45	LT	21	711.0		
		eLR	27 50	LZ	15	745.3		
12	RK-	eP	21 22 37.0	SZ	1.1	47.1	24.2	4.93
		eL	30 40	LZ	27	258.0		
12	JR-	eL	21 22 40	LZ	32	730.4	11.7	
12	DH-	eL	21 38 30	LZ	27	152.5	37.3	
							AVG.	4.39
12	22 15 51.*		20.2 S 174.0 W TONGA ISLANDS H= 33 KM MAG 5.00 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
12	MN-	eP	22 27 51.0	SZ	0.9	11.6	78.4	4.89
12	LC-	eP	22 28 15.5	SZ	0.7	5.9	83.0	4.83
							AVG.	4.86
12	23 07 46.1		5.8 S 147.1 E EAST NEW GUINEA REGION H= 68 KM MAG 5.00 CGS					
12	LC-	ePKKP	23 37 40	SZ	0.9	6.1	106.8	
		eL	57 05	LR	33	174.4		
12	MN-	eL	23 52 15	LZ	32	493.0	97.3	
12	JR-	eL	23 55 00	LZ	35	760.1	102.2	
12	RK-	eL	23 59 40	LZ	40	333.6	112.7	
12	RK-	eL	23 13 00	LZ	20.	164.9		
13	00 13 40.*		34. S 179.1 W SOUTH OF KERMADEC ISLANDS H=112 KM MAG 5.30 CGS					
13	MN-	eSKS	00 37 20	LT	27.	291.4	91.6	
13	JR-	eL	00 55 40	LZ	26	1956.8	92.9	
13	00 32 09.4		65.2 N 164.9 W ALASKA H= 33 KM MAG 4.90 CGS					
13	AD-	e	00 36 20	LZ	999.	9999.9	14.7	
13	NP-	eP	00 36 21.5	SZ	0.7	10.2	18.0	4.10
		ePP	36 28	SZ	1.2	69.4		
		eL	41 02	SZ	1.5	103.9		
		eLR	41 10	LZ	13	3578.5		
13	MN-	eP	00 39 25.0	SZ	1.2	7.5	38.0	4.36
		eSS	47 48	LR	26			
13	LC-	eP	00 40 45.0	SZ	1.0	1.9	47.9	4.10
		ePCP	42 09	SZ	1.0	39.3		
13	DH-	eL	00 56 35	LZ	45	3662.6	52.6	
							AVG.	4.18
13	00 33 24.7		64.9 N 165.7 W ALASKA H= 15 KM MAG 5.40 CGS					
13	AD-	eP	00 36 52.0	SZ	1.2	193.5	14.2	5.67
		eL	40 00	LZ	999	9999.9		
13	NP-	eP	00 37 38.0	SZ	1.5	112.5	18.4	4.83

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eP	37 40	LZ	20.	1323.7		
13	HY-	eP	00 40 30.5	SZ	1.3	115.1	36.6	5.51
		e	40 35	SZ	1.0	179.6		
		eS	46 15	LT	15	978.4		
		eL	52 05	LZ	999	9999.9		
		eL	52 45	SR	3.2	731.6		
13	MN-	eP	00 40 45.0	SZ	1.2	52.7	38.2	5.16
		eL	52 57	LZ	23	1861.3		
13	LC-	eP	00 42 04.0	SZ	1.2	22.7	48.1	5.13
		eS	49 15	LR	22	558.5		
		eSS	52 32	LR	23	1194.2		
		eL	58 00	LR	23	1097.9		
							AVG.	5.26
13	MN-	eP	03 06 11.0	SZ	0.2	11.6		
13	06 37 07.3		15. S 167.2 E NEW HEBRIDES ISLANDS H=131 KM MAG 5.20 CGS					
13	MN-	eP	06 49 34.0	SZ	0.7	3.6	87.6	4.46
13	RK-	e	09 48 52	LR	30.	166.8		
13	RK-	eL	10 07 00	LR	36	814.2		
13	13 15 49.8		20.1 N 122.0 E PHILIPPINE ISLANDS REGION H= 33 KM MAG 4.80 CGS					
13	NP-	eP	13 27 35.0	SZ	1.0	15.5	77.1	4.99
		eLR	56 20	LZ	25	787.1		
13	MN-	eP	13 29 31.0	SZ	1.0	2.4	99.0	4.86
		e	32 50	SZ	0.9	3.7		
		eLQ	57 45	LT	27	771.5		
		eLR	14 01 36	LZ	30	1253.2		
13	AD-	e	13 33 44	LZ	20	718.5	56.8	
		eL	42 30	LZ	44	2743.6		
13	LC-	ePP	13 34 49	SZ	1.2	3.0	110.1	
		ePKKP	45 39	SZ	0.8	4.0		
		eL	14 07 00	LZ	42	984.8		
13	HY-	eL	14 04 30	LZ	37	1579.3	100.6	
13	JR-	eLR	14 04 40	LZ	35	1589.4	105.1	
13	DH-	eL	14 16 00	LZ	32	1473.5	116.0	
							AVG.	4.92
13	LC-	e	13 33 20	SZ	0.8	2.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
13	13 51 50.*		46.2 N 151.9 E KURILE ISLANDS H= 33 KM MAG 4.70 CGS					
13	14 26 15.*		45.2 N 150.4 E KURILE ISLANDS H= 33 KM MAG 4.80 CGS					
13	LC-	eP	16 32 05.5	SZ	0.2	4.6	3.2	
13	JR-	eP	16 32 17.2	SZ	0.2	29.0	2.9	
13	LC-	eS	16 32 45	SR	0.3	5.9	3.2	
13	JR-	eS	16 32 53	ST	0.3	27.7	2.9	
13	16 51 39.2		7.9 N 137.0 E WEST CAROLINE ISLANDS H= 33 KM MAG 4.90 CGS					
13	NP-	eP	17 04 15.5	SZ	0.8	23.4	85.6	5.33
13	RK-	e	18 43 35	LR	30.	89.8		
13	RK-	eL	19 00 50	LZ	30	224.7		
13	19 12 57.1		10.7 S 165.0 E SANTA CRUZ ISLANDS H= 33 KM MAG 5.30 CGS					
13	MN-	eP	19 25 37.6	SZ	1.2	12.5	86.5	4.90
		e	25 56	SZ	1.0	5.7		
13	JR-	eP	19 25 57.5	SZ	0.9	10.8	90.4	5.09
		e	26 23	SZ	0.6	3.9		
							AVG.	4.99
13	LC-	eP	20 51 51.3	SZ	0.2	8.4	1.5	
		eS	52 10	SR	0.2	15.9		
13	LC-	eL	23 02 50	LZ	20	178.4		
13	MN-	eL	23 05 20	LZ	35	322.4		
13	AD-	eL	23 21 00	LZ	38	1130.0		
13	MN-	eP	23 25 39.0	SZ	0.3	.5	2.0	
		e	26 05	SR	0.3	3.2		
14	AD-	eP	00 17 02.5	SZ	999.9	9999.9		
14	01 59 05.6		54.3 S 2.4 W SOUTH ATLANTIC RIDGE H= 33 KM					
14	LC-	eP'	02 18 06.0	SZ	1.1	5.3	123.6	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePP	19 45	LZ	15.	555.4		
		ePKS	21 35	LZ	12	849.6		
		eSKS	25 00	LR	17	259.9		
		eSKKS	26 50	LR	18	412.8		
		e	29 45	LR	19	1087.9		
		e	36 40	LR	18	837.8		
		eLQ	52 40	LR	33	1198.7		
		eLR	03 02 30	LZ	28	2095.0		
14	JR-	eP'	02 18 16.5	SZ	1.1	8.4	128.5	
		ePP	20 15	LZ	15	302.9		
		eSKP	21 35	LZ	17	273.2		
		eSP	30 20	LZ	20	376.0		
		eSPP	31 55	LZ	15	605.9		
		eSKKS	35 40	LT	30	522.1		
		eSS	37 45	LR	37	2803.2		
		eLQ	53 50	LT	37	2844.1		
		eLR	03 03 00	LZ	32	4281.4		
14	HY-	eP'	02 18 22.0	SZ	1.1	9.7	133.2	
		ePP	20 43	SZ	1.5	38.6		
		ePP	20 45	LZ	15	480.3		
		eSKP	21 40	LZ	15	1166.4		
		e	39 05	LT	30	1436.2		
		e	43 30	LZ	22	696.1		
		e	47 50	LZ	37	1480.0		
		eL	03 03 50	LZ	39	6886.7		
14	MN-	eP'	02 18 26.0	SZ	2.0	25.5	134.5	
		ePP	21 00	LZ	17	324.8		
		eSKP	21 50	LZ	18	436.3		
		eSPP	32 55	LZ	18	702.0		
		eSS	39 10	LR	32	1372.2		
		eSSS	44 10	LR	22	923.5		
		SKSSKS	51 05	LT	28	550.5		
		eLQ	54 50	LT	43	4435.2		
		eLR	03 05 15	LZ	35	2445.6		
14	NP-	eP'1	02 18 45.5	SZ	1.0	16.1	148.2	
		eP'2	18 56	SZ	1.1	52.1		
		eL	03 10 00	LZ	30	2238.9		
14	DH-	ePS	02 28 10	LT	25	842.0	114.3	
		eSS	34 40	LT	28	2717.3		
		e	41 50	LZ	30	1911.1		
		eLQ	46 55	LR	35	2883.5		
		eLR	53 20	LZ	29	3864.4		
14	AD-	e	02 46 25	LR	25	2395.4	175.8	
		eL	03 12 00	LR	50	8257.6		
14	02 45 07.*		12.1 N 143.9 E SOUTH OF MARIANA ISLANDS H= 33 KM MAG 4.40 CGS					
14	03 35 14.5		44.2 N 81.6 E N. SINKIANG PROVINCE, CHINA H= 33 KM MAG 4.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	06 41 23.1		28.2 N 140.8 E BONIN ISLANDS REGION H=115 KM MAG 5.00 CGS					
14	MN-	iP	06 53 26.4C	SZ	0.8	10.1	80.9	4.69
14	HY-	eP	06 53 42.0	SZ	0.9	14.1	84.0	4.87
14	JR-	eP	06 53 57.5	SZ	0.6	6.7	87.0	4.82
14	LC-	eP	06 54 21.0	SZ	0.7	7.8	92.1	5.11
							AVG.	4.87
14	HY-	eP	07 31 02.0	SZ	1.5	23.2		
14	LC-	eP	07 32 01.0	SZ	1.8	18.7		
14	AD-	eP	08 01 17.0	SZ	0.5	29.4	5.0	
		eS	02 18	ST	0.5	35.9		
14	08 15 41.4		38. N 117.8 W CALIFORNIA NEVADA BORDER H= 33 KM MAG 3.60 CGS					
14	MN-	iP	08 15 49.4D	SZ	999.9	9999.9	.5	
14	LC-	eP	08 41 21.0	SZ	0.5	.7		
14	11 04 17.4		41.3 N 77.1 E KIRGIZ SINKIANG BORDER REG. H= 33 KM MAG 4.50 CGS					
14	15 52 34.2		33.4 N 142.0 E OFF EAST COAST HONSHU. JAPAN H= 33 KM MAG 4.50 CGS					
14	MN-	eP	16 04 25.5	SZ	1.0	3.2	76.9	4.32
14	RK-	eP	16 04 55.5	SZ	0.7	9.0	82.8	4.99
							AVG.	4.65
14	17 16 47.7		55.8 N 160.1 W ALASKA PENINSULA H= 33 KM MAG 4.60 CGS					
14	AD-	eL	17 19 40	LR	20	587.9	10.6	
14	RK-	eL	17 41 05	LZ	25	143.2	38.6	
14	18 49 41.*		40.5 N 138.3 E EASTERN SEA OF JAPAN H= 26 KM MAG 4.70 CGS					
14	LC-	eL	21 28 00	LZ	20.	205.3		
14	JR-	eL	21 28 10	LZ	25	232.9		
14	21 29 06.*		13.9 N 90.5 W NEAR COAST OF GUATEMALA H= 33 KM MAG 4.40 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
14	LC-	eP	21 34 14.5	SZ	0.5	3.3	23.6	4.08
14	HY-	eL	21 35 30	LZ	30	281.7	34.9	
14	MN-	eP	21 35 55.0	SZ	1.0	8.9	34.6	4.64
14	RK-	eP	21 36 10.0	SZ	1.0	9.0	36.9	4.53
		eL	48 10	LZ	32	169.2		
14	DH-	eL	21 46 55	LZ	21	397.7	31.3	
							AVG.	4.41
14	MN-	eL	21 29 40	LZ	27.	455.4		
15	01 16 41.7		15.5 S 173.3 W TONGA ISLANDS H= 14 KM MAG 4.60 CGS					
15	MN-	eP	01 28 21.2	SZ	0.9	8.3	74.4	4.74
		eL	50 53	LZ	28	188.7		
15	JR-	eP	01 28 35.0	SZ	1.0	8.8	76.7	4.80
							AVG.	4.77
15	01 58 38.9		8.5 N 71.5 W VENEZUELA H= 53 KM MAG 4.30 CGS					
15	LC-	eP	02 06 13.0	SZ	0.8	3.4	40.3	4.16
15	02 51 36.6		34.9 N 26.2 E CRETE H= 60 KM MAG 4.40 CGS					
15	03 40 16.5		20.8 N 106.6 W OFF COAST OF JALISCO. MEXICO H= 33 KM MAG 5.10 CGS					
15	LC-	eP	03 43 02.5	SZ	0.7	12.2	11.6	5.16
		eL	45 11	LR	20			
15	JR-	eP	03 43 45.8	SZ	1.0	42.0	14.8	4.86
		e	43 52	SZ	0.8	90.3		
		eLR	47 18	LZ	20	470.1		
		eL	48 20	ST	1.5	24.4		
15	MN-	eP	03 44 51.0	SZ	1.0	35.0	20.2	4.59
		eS	48 44	LT	18	196.4		
		eL	50 18	LT	22	939.6		
15	HY-	eP	03 45 39.0	SZ	1.2	46.9	25.1	4.99
		e	50 52	LT	17	365.4		
		eL	53 07	LR	27	953.9		
15	DH-	eP	03 46 59.5	SZ	1.0	26.1	34.2	5.09
15	NP-	eP	03 49 51.2	SZ	0.8	51.5	55.9	5.61

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePCP	50 47	SZ	1.0	20.1		
							AVG.	5.05
15	03 53 57.*		42.7 N 143.6 E HOKKAIDO, JAPAN REGION					
			H=135 KM MAG 4.40 CGS					
15	05 06 22.8		2.3 N 126.6 E MOLUCCA PASSAGE					
			H= 45 KM					
15	HY-	e	05 23 01	SZ	0.8	3.6	112.6	
		eP'	24 57	SZ	0.5	3.4		
15	LC-	e	05 23 50	SZ	0.9	1.5	119.0	
		eP'	25 10	SZ	0.6	2.4		
		e	35 28	SZ	0.9	3.0		
15	JR-	e	05 24 07	SZ	0.9	3.4	113.9	
		ePP	25 55	SZ	0.8	18.3		
		e	28 04	ST	2.8	249.4		
15	MN-	eL	05 52 08	LZ	18	170.7	108.1	
15	RK-	eLR	06 06 00	LT	27	75.5	116.9	
15	RK-	eL	05 34 15	LR	30.	128.8		
15	JR-	eL	05 46 00	LZ	28	177.7		
15	MN-	eP	06 47 01.2	SZ	0.2	8.3	2.0	
		eS	47 27	ST	0.3	10.5		
15	07 54 07.3		78. N 7.6 E SVALBARD REGION					
			H= 33 KM MAG 4.40 CGS					
15	NP-	eP	07 59 11.5	SZ	1.4	29.8	23.2	4.57
15	HY-	eP	08 03 01.8	SZ	0.8	7.2	50.2	4.66
		eSCP	07 58	SZ	1.2	42.2		
15	MN-	eP	08 04 18.0	SZ	0.8	2.4	59.4	4.30
15	LC-	eP	08 04 35.0	SZ	0.7	1.4	63.3	4.18
							AVG.	4.42
15	07 58 49.9		76.2 N 9.3 E SVALBARD REGION					
			H= 33 KM MAG 4.80 CGS					
15	NP-	eP	08 04 15.0	SZ	1.2	27.6	24.9	4.75
15	RK-	eP	08 06 52.5	SZ	1.2	18.3	44.2	4.71
15	HY-	eP	08 07 51.0	SZ	1.0	9.1	51.6	4.69
15	MN-	eP	08 09 00.0	SZ	0.7	1.6	60.9	4.24
15	LC-	eP	08 09 23.0	SZ	0.9	2.2	64.6	4.30

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	09 28	SZ	0.9	6.0		
							AVG.	4.53
15	08 24 20.7		7.1 N 73.2 W NORTHERN COLOMBIA					
			H=119 KM					
15	LC-	eP	08 31 45.5	SZ	0.5	1.4	40.0	4.02
15	NP-	eP	08 35 39.5	SZ	0.5	15.3	73.5	5.07
							AVG.	4.54
15	11 38 06.*		51.2 N 171.3 W FOX ALEUTIAN ISLANDS					
			H= 33 KM MAG 4.40 CGS					
15	AD-	eP	11 38 52.0	SZ	0.2	15.1	3.4	4.68
		eS	39 27	SR	0.3	68.0		
15	12 13 25.8		14.7 N 91.7 W GUATEMALA					
			H=118 KM MAG 5.40 CGS					
15	LC-	iP	12 18 13.3C	SZ	0.5	8.9	22.2	4.39
		eP	18 14	LZ	14			
		eS	22 12	LT	26			
		ePCP	22 17	SZ	1.4	46.8		
		eSS	22 58	ST	1.3	40.1		
		eSCP	25 43	SZ	1.0	30.5		
		eSCS	29 26	ST	3.5	492.4		
15	JR-	eP	12 19 00.0	SZ	0.9	34.0	27.1	4.92
		eP	19 00	LZ	20	423.0		
		ePCP	22 20	SZ	0.6	23.1		
		e	22 39	SZ	1.0	33.1		
		eS	23 45	LR	21	3828.2		
		eLR	27 00	LZ	33	2617.5		
15	DH-	eP	12 19 35.0	SZ	0.9	127.3	31.0	5.65
		eP	19 35	LZ	24	1169.8		
		epP	19 54	SZ	1.2	294.8		
		eS	24 40	LT	25	2750.3		
		eL	27 10	SR	1.2	54.9		
		eLR	28 19	LZ	35	12.3U		
15	MN-	eP	12 19 55.1	SZ	0.9	39.1	33.2	5.20
		eP	19 56	LZ	18	341.5		
		epPCP	23 11	SZ	1.0	19.1		
		eS	25 13	LT	18	1446.4		
		esS	25 51	LT	25	1563.9		
		eSCP	26 14	SZ	1.5	49.0		
		eL	28 35	LZ	38	4912.4		
		eSCS	30 15	ST	2.5	155.9		
		eL	31 16	ST	2.5	72.7		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	HY-	eP	12 19 56.0	SZ	0.6	14.0	33.8	4.93
		eP	20 00	LZ	17	943.2		
		eS	25 15	LT	30	1294.3		
		eSCP	26 15	SZ	1.7	165.1		
		eL	30 00	LT	34	5939.3		
15	RK-	eP	12 20 15.5	SZ	0.8	12.3	36.1	4.83
		e	20 16	LT	25	287.2		
		epP	20 36	SZ	0.8	21.1		
		ePCS	26 18	LT	32	632.9		
		eSCP	26 22	SZ	1.0	29.7		
		eSSS	28 50	LT	30	974.0		
		eL	30 05	SR	2.0	87.7		
		eL	31 02	LT	999	9999.9		
15	NP-	eP	12 23 42.0	SZ	1.0	36.2	63.3	5.22
		eSP	32 10	LZ	17	769.4		
		eL	39 22	LZ	18	1725.6		
		eLR	43 57	LZ	35	2851.5		
15	AD-	eP	12 25 00.0	SZ	1.0	111.4	75.5	5.63
		ePCP	25 17	SZ	0.8	103.6		
							AVG.	5.09
15	JR-	eL	14 27 10	LZ	25.	232.9		
15	MN-	eP	14 52 16.8	SZ	0.2	5.1	1.5	
		eS	52 37	ST	0.3	3.9		
15	15 03 40.*		45.4 N 150.9 E KURILE ISLANDS H= 33 KM MAG 4.70 CGS					
15	RK-	eP	15 14 42.0	SZ	1.0	11.9	69.1	4.94
15	16 20 11.*		7.2 S 76.9 W NORTHERN PERU H= 33 KM MAG 4.80 CGS					
15	17 31 46.4		36.5 N 34.6 E TURKEY H= 53 KM MAG 4.50 CGS					
15	RK-	eL	19 16 00	LZ	30.	539.5		
15	21 03 15.9		40. N 28.9 E TURKEY H= 33 KM MAG 4.90 CGS					
15	RK-	eP	21 15 03.0	SZ	0.6	4.9	76.5	4.72
15	MN-	eP	22 27 47.4	SZ	1.2	6.4		
15	LC-	eP	22 28 16.5	SZ	1.0	4.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
15	22 34 07.7		51. N 169.6 W FOX ALEUTIAN ISLANDS H= 33 KM MAG 5.00 CGS					
15	AD-	eP	22 35 13.2	SZ	0.3	62.5	4.5	5.42
		eS	36 02	SR	0.2	272.1		
15	RK-	eP	22 42 26.5	SZ	1.0	17.8	45.8	4.97
15	LC-	eP	22 42 52.0	SZ	0.7	4.8	49.0	4.61
		e	46 21	ST	2.5	210.9		
15	MN-	eL	22 51 00	LZ	28	113.2	37.9	
							AVG.	5.00
16	02 21 30.7		3.2 S 147.5 E BISMARCK SEA H= 33 KM MAG 4.90 CGS					
16	AD-	e	02 40 30	LZ	25.	171.8	62.7	
		eL	50 00	LZ	30	874.4		
16	MN-	eLQ	03 01 02	LT	33	361.6	95.4	
		eLR	05 11	LZ	25	319.9		
16	JR-	eL	03 07 25	LZ	30	164.3	100.4	
16	LC-	eL	03 10 00	LZ	20	184.9	105.1	
16	DH-	eL	03 23 10	LZ	28	289.8	125.8	
16	MN-	eP	02 39 01.5	SZ	0.5	4.4		
16	03 08 12.1		3.2 S 147.3 E BISMARCK SEA H= 33 KM MAG 4.80 CGS					
16	AD-	eL	03 37 00	LZ	32.	709.2	62.8	
16	MN-	eL	03 52 00	LZ	23	362.2	95.5	
16	AD-	eP	03 13 56.5	SZ	0.2	37.2	.5	
		eS	14 05	ST	0.2	255.6		
16	03 55 17.4		6. N 125.3 E MINDANAO, PHILIPPINE ISLANDS H=121 KM MAG 5.60 CGS					
16	NP-	eP	04 08 05.6	SZ	1.1	99.6	90.1	5.82
		eSKS	18 24	SR	1.0	6.9		
16	MN-	ePD	04 09 21	SZ	1.0	2.5	106.6	
		e	10 14	SZ	0.7	2.0		
16	LC-	eP'	04 13 53.0	SZ	1.2	10.5	117.6	
		ePKKP	24 17	SZ	0.9	3.7		
16	AD-	e	04 14 50	LZ	25	270.1	65.9	
		eL	26 05	LZ	35	762.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	03 57 17.2		21.6 S 169.6 E LOYALTY ISLANDS REGION H= 44 KM MAG 4.30 CGS					
16	MN-	eP	05 26 07.0	SZ	0.8	1.9		
16	MN-	e	05 27 22	SZ	1.0	4.1		
16	AD-	eP	08 27 54.7	SZ	0.2	29.7	1.1	
		eS	28 10	ST	0.2	9999.9		
16	AD-	eP	10 16 21.6	SZ	0.3	7.8	1.6	
		eS	16 44	ST	0.2	63.9		
16	12 20 44.2		21.7 S 169.6 E LOYALTY ISLANDS REGION H= 21 KM MAG 4.30 CGS					
16	RK-	eP	13 05 34.5	SZ	999.9	9999.9		
16	RK-	e	13 05 37	SZ	999.9	9999.9		
16	RK-	e	13 06 00	SZ	999.9	9999.9		
16	NP-	eP	13 16 08.3	SZ	1.0	12.0		
16	MN-	eP	13 16 13.5	SZ	0.5	10.6	1.5	
		eS	16 38	SR	999.9	9999.9		
16	MN-	eP	13 31 41.6	SZ	999.9	9999.9		
16	MN-	eP	14 18 02.3	SZ	0.5	2.5		
16	MN-	eP	14 26 39.5	SZ	0.8	25.6		
16	DH-	eP	16 16 01.0	SZ	0.3	12.3	1.5	
		eS	16 21	SR	0.4	18.4		
16	DH-	eP	16 21 39.0	SZ	0.2	16.4	1.8	
		eS	22 03	ST	0.6	13.9		
16	JR-	eL	17 37 00	LZ	23	225.6		
16	DH-	eP	17 45 09.2	SZ	0.3	43.1	1.5	
		eS	45 30	SR	0.3	63.7		
16	18 26 39.		20.1 N 121.9 E PHILIPPINE ISLANDS REGION H= 19 KM MAG 4.40 CGS					
16	MN-	eL	19 12 55	LZ	30.	139.9	99.0	
16	RK-	eL	19 16 00	LZ	35	104.5	102.7	
16	DH-	eP	18 33 22.2	SZ	0.2	12.3	1.9	
		e	33 23	SZ	0.2	20.5		
		eS	33 48	SR	999.9	9999.9		
16	19 20 26.3		21.8 S 175.3 W TONGA ISLANDS H= 33 KM MAG 5.40 CGS					
16	MN-	eP	19 32 37.0	SZ	1.1	8.2	80.4	4.57

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
16	AD-	eL	19 55 00	LZ	30.	349.7	73.4	
16	LC-	eL	20 00 15	LZ	27	192.8	84.9	
16	RK-	eL	20 09 40	LZ	25	121.2	101.5	
16	19 28 50.		24.8 N 122.4 E TAIWAN REGION H= 61 KM MAG 4.80 CGS					
16	JR-	eP	19 44 25.8	SZ	0.3	8.0	3.2	
		eS	45 05	ST	0.3	30.0		
16	MN-	eP	19 56 56.7	SZ	0.5	9999.9		
17	00 47 15.*		55.8 N 161.9 E NEAR EAST COAST OF KAMCHATKA H= 33 KM MAG 4.40 CGS					
17	01 08 51.*		7.8 S 117.4 E BALI SEA H= 33 KM					
17	01 37 47.*		19.7 S 169.6 E NEW HEBRIDES ISLANDS H= 33 KM MAG 4.50 CGS					
17	02 33 26.5		35.5 N 141.8 E NEAR E. COAST HONSHU, JAPAN H= 81 KM MAG 4.40 CGS					
17	04 03 45.7		27.6 N 140.0 E BONIN ISLANDS REGION H=468 KM MAG 4.60 CGS					
17	NP-	eP	04 13 45.5	SZ	0.5	17.2	65.9	4.97
17	HY-	eP	04 15 31.0	SZ	0.8	18.7	84.9	4.83
							AVG.	4.90
17	04 43 56.8		1.8 N 84.6 W OFF COAST OF ECUADOR H= 33 KM MAG 4.60 CGS					
17	LC-	eP	04 51 03.5	SZ	1.0	4.9	36.8	4.28
		eL	05 04 05	LZ	23	163.7		
17	MN-	eP	04 52 32.5	SZ	1.5	22.0	47.7	4.97
		ePCS	57 43	SR	1.3	4.6		
		eL	05 07 40	LZ	32	431.7		
17	NP-	eP	04 55 46.5	SZ	0.8	15.1	76.9	5.08
17	JR-	eL	05 04 50	LZ	27	294.2	41.6	
							AVG.	4.77

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	05 18 34.8		45.4 N 150.1 E KURILE ISLANDS H= 17 KM MAG 5.30 CGS					
17	NP-	eP	05 27 03.0	SZ	1.0	20.1	46.6	5.12
		e	27 16	SZ	1.5	80.6		
		eL	42 00	LZ	32	1768.7		
17	MN-	eP	05 29 16.5	SZ	0.8	12.8	65.0	5.15
		e	29 29	SZ	0.8	15.2		
		eL	45 30	LT	33	1107.4		
17	HY-	iP	05 29 25.3C	SZ	1.0	50.6	66.5	5.65
		e	29 40	SZ	1.3	97.3		
		e	38 15	LZ	26	630.5		
		eLQ	48 30	LR	25	650.2		
		eLR	51 20	LZ	30	2989.0		
17	RK-	eP	05 29 42.5	SZ	0.8	56.1	69.4	5.75
		eP	29 45	LZ	18	162.4		
		e	29 56	SZ	1.0	69.3		
		eL	51 40	LZ	35	251.0		
17	JR-	eP	05 29 55.0	SZ	0.8	12.1	71.1	5.03
		e	30 07	SZ	0.8	16.2		
		eL	52 00	LZ	35	723.3		
17	LC-	eP	05 30 23.0	SZ	0.7	5.4	76.0	4.74
		eP	30 25	LZ	13	281.1		
		e	30 33	SZ	1.5	49.9		
		e	38 30	LT	30	187.1		
		eS	40 05	LT	28	271.0		
		eSS	44 45	LT	25	145.5		
		eL	51 30	LT	36	913.2		
17	DH-	eP	05 31 05.0	SZ	0.6	21.8	84.0	5.51
		eL	06 00 50	LZ	36	644.1		
							AVG.	5.27
17	06 35 36.9		3.2 S 147.2 E BISMARCK SEA H= 33 KM MAG 4.80 CGS					
17	LC-	eL	07 27 45	LZ	18.	73.4	105.4	
17	10 28 41.7		21. S 175.0 W TONGA ISLANDS H= 33 KM MAG 4.40 CGS					
17	11 25 32.*		40.3 N 127.3 W OFF COAST OF N. CALIFORNIA H= 33 KM MAG 4.20 CGS					
17	MN-	eP	11 27 20.0	SZ	0.6	.6	7.3	3.75
		eL	28 50	ST	1.0	5.0		
		eL	28 50	LT	24	336.7		
17	12 11 52.*		41.9 N 126.0 W OFF COAST OF N. CALIFORNIA H= 33 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	JR-	eP	12 15 02.5	SZ	0.7	3.4	13.1	4.42
		eL	19 05	LZ	27	269.6		
17	HY-	eP	12 15 21.0	SZ	1.5	18.6	14.2	4.46
17	MN-	eL	12 15 45	LT	20	493.1	6.9	
17	LC-	eP	12 16 06.0	SZ	1.0	3.9	18.1	3.54
		eLQ	20 50	LT	23	326.0		
		eLR	22 40	LZ	20	182.5		
							AVG.	4.14
17	13 59 25.3		16. N 96.9 W OAXACA, MEXICO H= 36 KM MAG 4.90 CGS					
17	LC-	eP	14 03 40.5	SZ	0.9	27.6	18.6	4.48
		eP	03 41	LZ	14	347.6		
		eS	07 15	LT	20	257.0		
		eL	08 25	LT	999	9999.9		
		eL	09 27	SZ	3.5	485.6		
17	JR-	eP	14 04 31.0	SZ	1.2	70.2	23.1	5.00
		eP	04 32	LZ	16	179.2		
		e	08 50	LZ	18	306.4		
		eLQ	10 50	LT	32	945.7		
		eL	11 55	SR	3.3	183.9		
		eLR	13 15	LZ	22	2960.4		
17	MN-	eP	14 05 25.5	SZ	1.0	43.3	29.1	5.17
		eP	05 30	LZ	20	104.7		
		ePCP	08 30	SZ	1.0	6.6		
		e	10 55	LZ	23	203.0		
		eLQ	13 45	LT	25	1238.1		
		eL	15 07	SZ	3.7	189.7		
		eLR	15 30	LZ	26	743.2		
17	HY-	eP	14 05 41.0	SZ	1.1	58.6	31.1	5.35
		ePCP	08 35	SZ	1.0	9.4		
		eS	11 00	LT	30	372.7		
		eL	16 07	SZ	3.5	205.3		
		eL	16 10	LZ	17	844.0		
17	DH-	eP	14 05 54.0	SZ	1.0	26.1	32.3	5.06
		eL	20 00	LZ	20	661.8		
17	NP-	eP	14 09 38.3	SZ	1.1	42.6	61.4	5.48
17	RK-	eL	14 16 30	LZ	40	247.5	34.8	
							AVG.	5.09
17	14 33 43.*		24.3 S 179.6 E SOUTH OF FIJI ISLANDS H=600 KM MAG 4.10 CGS					
17	14 58 26.3		21.5 S 66.9 W SOUTHERN BOLIVIA H=190 KM MAG 4.30 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
17	JR-	eP	15 09 23.0	SZ	0.8	16.2	70.5	4.82
17	RK-	eP	18 00 01.5	SZ	0.7	18.1		
17	18 48 02.4		31.6 N 138.0 E SOUTH OF HONSHU, JAPAN H=376 KM MAG 4.90 CGS					
17	NP-	eP	18 57 48.5	SZ	0.5	28.8	62.5	5.12
17	MN-	eP	18 59 36.0	SZ	1.0	5.8	80.7	4.29
							AVG.	4.70
17	LC-	eP	19 00 30.0	SZ	0.8	7.6		
17	LC-	eL	22 29 00	LZ	27	141.0		
17	23 44 46.2		51.4 N 177.9 W ANDREANOF ALEUTIAN ISLANDS H= 57 KM MAG 5.50 CGS					
17	AD-	iP	23 45 01.9D	SZ	999.9	9999.9	.9	
17	NP-	eP	23 51 21.0	SZ	1.0	40.3	33.4	5.25
		eP	51 25	LZ	24	397.8		
		ePCP	54 01	SZ	1.1	61.6		
		e	56 50	LZ	29	1222.9		
		eSCP	57 42	SZ	1.5	179.2		
18	NP-	eL	00 01 20	LZ	35	5020.5	33.4	
17	MN-	eP	23 52 43.5	SZ	1.0	18.3	43.1	4.76
		eP	52 45	LZ	10	868.0		
		e	52 57	SZ	1.1	41.1		
		eS	59 08	SR	2.3	62.1		
		eS	59 10	LT	20	986.3		
17	HY-	eP	23 53 00.5	SZ	1.0	9999.9	45.4	
17	JR-	eP	23 53 31.5	SZ	1.0	20.5	49.2	5.05
		eP	53 32	LZ	15	168.3		
18	JR-	eS	00 00 35	LR	25	886.9	49.2	
17	RK-	eP	23 53 35.0	SZ	0.5	27.5	50.0	5.44
		eP	53 40	LZ	17	173.8		
18	RK-	e	00 00 40	LZ	20	367.0	50.0	
17	LC-	eP	23 54 07.0	SZ	1.1	9999.9	54.2	
17	DH-	eP	23 55 23.5	SZ	0.5	32.8	65.3	5.65
							AVG.	5.23
18	00 10 59.6		18.8 S 168.9 E NEW HEBRIDES ISLANDS H= 69 KM MAG 4.40 CGS					
18	00 35 19.*		27.8 N 52.8 E SOUTHERN IRAN H= 33 KM					
18	AD-	eP	00 59 44.5	SZ	0.2	66.3	1.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	59 57	SR	0.2	241.8		
18	02 29 10.*		60.7 N 147.4 W SOUTHERN ALASKA H= 33 KM MAG 3.80 CGS					
18	AD-	eP	03 07 33.3	SZ	0.2	36.8	1.0	
		eS	07 46	SR	0.3	136.0		
18	MN-	eP	05 44 47.0	SZ	0.2	5.0	1.0	
		eS	45 00	ST	0.3	11.7		
18	AD-	eP	05 51 02.7	SZ	0.3	121.6	.5	
		eS	51 11	SR	0.2	9999.9		
18	06 05 18.8		37.3 N 142.0 E OFF E. COAST HONSHU, JAPAN H= 33 KM MAG 4.60 CGS					
18	MN-	eP	06 16 54.5	SZ	1.0	2.4	74.6	4.12
18	RK-	eP	06 17 23.0	SZ	0.7	2.9	79.5	4.32
		e	17 32	SZ	0.7	8.7		
18	JR-	eP	06 17 31.3	SZ	0.7	3.4	80.7	4.40
		e	17 41	SZ	0.8	5.4		
18	LC-	eP	06 17 56.0	SZ	0.6	.8	85.7	4.00
							AVG.	4.21
18	AD-	eP	06 34 42.2	SZ	0.3	143.7	2.1	
		eS	35 10	SR	0.3	430.8		
18	06 50 18.2		37.3 N 141.8 E NEAR E. COAST HONSHU, JAPAN H= 62 KM MAG 4.00 CGS					
18	LC-	eP	07 02 52.0	SZ	1.3	5.7	85.8	4.43
18	MN-	eP	07 05 55.0	SZ	0.3	6.4	.9	
		eS	06 07	ST	0.3	14.6		
18	JR-	eP	08 13 19.3	SZ	0.2	34.7	1.4	
		eS	13 37	SR	0.3	42.6		
18	MN-	eP	09 01 28.2	SZ	0.3	5.8		
18	09 10 19.*		44.1 N 149.4 E KURILE ISLANDS H= 33 KM MAG 4.70 CGS					
18	10 53 28.4		51.3 N 178.0 W ANDREANOF ALEUTIAN ISLANDS H= 33 KM MAG 4.80 CGS					
18	AD-	eP	10 53 47.0	SZ	999.9	9999.9	1.0	
18	MN-	eP	11 01 17.0	SZ	1.2	5.0	43.2	4.12
18	LC-	eP	11 02 52.8	SZ	1.0	4.9	54.2	4.50

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.31
18	RK-	eL	12 12 50	LR	26.	66.0		
18	HY-	eL	12 19 20	LZ	27	138.7		
18	LC-	eLQ	12 24 35	LR	22	331.0		
18	LC-	eLR	12 26 40	LZ	22	172.2		
18	JR-	e	17 22 43	LR	30	474.8		
18	JR-	eL	17 26 25	LZ	25	115.3		
18	AD-	eP	17 53 05.3	SZ	0.3	176.9	.5	
		eS	53 12	SR	0.3	9999.9		
18	18 59 34.*		29.5 N 114.2 W BAJA CALIFORNIA H= 33 KM MAG 5.10 CGS					
18	LC-	eP	19 01 22.4	SZ	0.5	5.6	7.1	4.70
		e	01 45	LT	20	102.1		
		eL	03 05	LT	13	2972.4		
		eL	03 16	SR	0.8	30.7		
18	MN-	eP	19 01 55.0	SZ	0.8	3.3	9.5	4.66
		eL	03 40	LT	10	4944.6		
		eL	04 48	SZ	1.8	128.3		
18	JR-	e	19 01 56	SZ	0.5	31.8	5.6	
		eL	02 12	LR	16	1578.7		
18	HY-	eL	19 07 23	LR	28	690.1	17.4	
							AVG.	4.68
18	JR-	eP	19 09 44.5	SZ	0.5	1.7	2.1	
		eL	10 12	SR	0.8	10.4		
18	LC-	eL	19 11 50	SR	1.0	6.7		
18	JR-	eP	19 24 27.5	SZ	0.4	1.5		
18	JR-	eL	19 25 37	LR	15	444.7		
18	JR-	eL	19 25 51	ST	0.8	38.0		
18	LC-	eL	19 26 40	LT	13	594.4		
18	LC-	eL	19 26 54	SR	0.7	4.7		
18	JR-	eP	19 29 22.5	SZ	0.6	4.7		
18	LC-	eP	19 29 48.0	SZ	0.2	1.4		
18	JR-	eL	19 30 46	SR	0.9	42.5		
18	LC-	eL	19 31 03	SR	0.3	3.4		
18	LC-	eL	19 31 47	LT	14	279.9		
18	JR-	eP	19 33 31.5	SZ	0.5	4.3		
18	LC-	eP	19 33 56.0	SZ	0.3	.7		
18	JR-	eL	19 35 00	ST	0.8	40.5		
18	LC-	eL	19 35 53	ST	1.0	4.9		
18	LC-	eP	19 36 30.8	SZ	0.2	11.8	1.4	
		eS	36 49	SR	0.3	8.2		
18	JR-	eP	19 40 18.5	SZ	0.5	6.0		
18	LC-	eP	19 40 45.0	SZ	0.2	.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
18	MN-	eP	19 41 20.0	SZ	1.0	1.6		
18	JR-	eS	19 41 40	ST	0.8	36.8		
18	JR-	eL	19 41 40	LR	15	355.7		
18	LC-	eL	19 42 30	LT	13	566.1		
18	LC-	eL	19 42 37	ST	0.8	4.6		
18	MN-	eL	19 43 57	ST	1.8	19.5		
18	JR-	eP	19 52 52.5	SZ	0.5	2.5	6.0	
		eS	54 03	SR	1.0	15.4		
18	LC-	eL	19 54 50	LT	17	158.2		
18	LC-	eL	19 55 05	SR	1.2	8.8		
18	LC-	eL	20 03 50	LT	25	647.5		
18	JR-	eL	20 06 29	LT	18	444.7		
18	RK-	eL	20 15 00	LZ	25	107.7		
18	HY-	e	20 15 00	LZ	23	283.6		
18	JR-	eP	20 17 59.0	SZ	0.7	4.5		
18	LC-	eP	20 18 24.0	SZ	0.2	.9		
18	MN-	eP	20 19 12.0	SZ	1.0	3.2		
18	JR-	eL	20 19 19	LR	15	355.7		
18	JR-	eL	20 19 25	SR	0.8	54.9		
18	LC-	eL	20 20 25	ST	1.0	15.6		
18	MN-	eL	20 21 40	SR	1.2	4.9		
18	HY-	eL	20 44 20	LZ	23	180.4		
18	MN-	eP	21 40 56.0	SZ	0.2	12.8	1.5	
		eS	41 16	SR	0.3	4.6		
18	JR-	eP	21 47 54.5	SZ	0.2	36.9	.4	
		eS	48 01	ST	0.3	40.0		
18	22 07 34.3		7. N 73.1 W NORTHERN COLOMBIA H=149 KM MAG 4.00 CGS					
18	LC-	eP	22 14 57.9	SZ	0.9	16.1	40.1	4.71
19	01 59 03.*		35.3 N 28.2 E EASTERN MEDITERRANEAN SEA H= 52 KM					
19	04 07 38.*		29.8 N 114.1 W BAJA CALIFORNIA H= 33 KM MAG 4.50 CGS					
19	JR-	eP	04 08 56.1	SZ	0.5	20.5	5.3	4.92
		eL	10 14	LR	17	1157.0		
		eL	10 30	LT	15	741.0		
		eL	10 30	LR	16	1265.0		
19	LC-	eP	04 09 21.2	SZ	0.4	2.7	6.9	4.45
		eL	11 24	LT	14	9999.9		
		eL	11 26	SR	0.7	37.3		
19	MN-	eP	04 09 55.1	SZ	0.9	3.8	9.2	4.65

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	10 38	SZ	1.1	24.6		
		eL	12 20	LT	16	1234.2		
		eL	12 39	ST	1.6	65.2		
19	HY-	eL	04 17 13	LZ	13	162.5	17.1	
							AVG.	4.67
19	06 41 27.3		32.8 S 177.6 W SOUTH OF KERMADEC ISLANDS H=203 KM MAG 4.40 CGS					
19	08 30 22.*		55.9 S 28.0 W S. SANDWICH ISLANDS REGION H= 33 KM					
19	LC-	eP	11 36 38.6	SZ	0.8	3.5		
19	12 53 27.6		37.8 S 72.9 W CENTRAL CHILE H= 64 KM MAG 4.80 CGS					
19	LC-	eP	13 05 12.1	SZ	1.1	12.3	76.6	4.76
		eL	36 05	LZ	29	132.3		
19	JR-	eP	13 05 35.3	SZ	0.7	10.8	80.9	4.86
		eL	33 50	LZ	26	98.9		
							AVG.	4.81
19	DH-	eP	17 42 38.1	SZ	0.4	13.2	2.0	
		eS	43 05	SR	0.4	31.2		
19	18 18 31.*		8.9 S 112.8 E JAVA H=336 KM MAG 4.40 CGS					
19	LC-	eP	21 37 07.4	SZ	0.2	9999.9	1.4	
		eS	37 26	ST	0.4	9999.9		
19	23 31 57.3		28. N 56.9 E SOUTHERN IRAN H= 50 KM MAG 5.30 CGS					
20	MN-	eP	02 19 56.5	SZ	0.3	8.6	1.5	
		eS	20 17	SR	0.5	5.7		
20	JR-	eP	03 23 00.0	SZ	0.6	1.9	5.2	
		eS	24 02	ST	0.7	3.0		
20	03 31 36.		29.5 N 81.0 E NEPAL H= 33 KM MAG 5.20 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
20	NP-	eP	03 43 08.5	SZ	0.8	27.2	73.7	5.29
20	JR-	eP	03 59 07.0	SZ	0.5	1.7	5.8	
		eS	04 00 14	ST	0.8	3.6		
20	MN-	eP	06 04 20.0	SZ	0.3	9999.9	.6	
		eS	04 28	SR	999.9	9999.9		
20	08 32 35.*		18.7 S 177.6 W FIJI ISLANDS REGION H=628 KM MAG 4.60 CGS					
20	08 44 42.5		33.9 S 72.0 W OFF COAST OF CENTRAL CHILE H= 28 KM MAG 4.80 CGS					
20	LC-	eP	08 56 20.0	SZ	1.0	9.3	73.6	4.74
		eLR	09 22 00	LZ	18	326.1		
20	JR-	eP	08 56 40.5	SZ	0.7	3.5	78.0	4.52
		epP	56 47	SZ	0.8	5.6		
20	HY-	eP	08 57 18.5	SZ	1.1	12.0	85.6	4.91
20	RK-	eP	08 57 23.0	SZ	999.9	9999.9	86.5	
							AVG.	4.72
20	08 45 58.*		52.1 N 177.1 W ANDREANOF ALEUTIAN ISLANDS H=140 KM MAG 4.30 CGS					
20	AD-	eP	08 46 07.5	SZ	999.9	9999.9	.3	
20	JR-	eP	10 26 57.5	SZ	0.6	7.9	4.8	
		eS	27 55	SR	0.6	33.0		
20	11 26 32.6		20.1 S 177.7 W FIJI ISLANDS REGION H=463 KM MAG 4.80 CGS					
20	MN-	eP	11 37 58.0	SZ	1.0	6.3	80.6	4.15
		epP	39 48	SZ	1.2	15.2		
20	JR-	eP	11 38 10.0	SZ	0.7	4.7	82.9	4.20
20	LC-	eP	11 38 23.5	SZ	0.9	6.3	85.7	4.32
		epP	40 14	SZ	0.9	6.3		
20	HY-	epP	11 40 35	SZ	0.7	3.2	91.6	
							AVG.	4.22
20	13 31 54.7		37.5 N 141.6 E NEAR E. COAST HONSHU. JAPAN H= 40 KM MAG 4.90 CGS					
20	MN-	eP	13 43 32.0	SZ	1.1	7.7	74.7	4.57

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	43 44	SZ	1.2	19.4		
20	HY-	eP	13 43 42.0	SZ	1.0	25.9	76.5	5.19
		ePCP	43 54	SZ	1.1	40.0		
		eLR	14 08 20	LZ	35	388.9		
20	RK-	eP	13 43 57.5	SZ	1.0	23.5	79.5	5.06
20	JR-	eP	13 44 06.5	SZ	0.8	5.6	80.8	4.56
		epP	44 17	SZ	0.6	3.9		
		eLR	14 09 55	LZ	30	280.4		
20	LC-	eP	13 44 31.0	SZ	0.8	3.6	85.8	4.49
		eLR	14 12 30	LZ	27	194.6		
							AVG.	4.77

20 15 27 16.* 80.5 N 123.1 E EAST OF SEVERNAYA ZEMLYA
H= 33 KM MAG 4.80 CGS

20	HY-	eLR	15 52 30	LZ	35.	311.1	50.8	

20 15 45 25.3 22.2 S 69.1 W NORTHERN CHILE
H=100 KM MAG 4.50 CGS

20	DH-	eP	15 55 56.5	SZ	0.9	33.1	64.3	5.27
		ePCP	56 28	SZ	0.6	25.2		
20	JR-	eP	15 56 28.0	SZ	1.0	19.0	69.8	4.88
		ePCP	56 53	SZ	0.8	12.6		
		e	57 05	SZ	0.6	11.9		
20	RK-	eP	15 57 01.0	SZ	1.0	8.8	75.9	4.55
20	HY-	eP	15 57 02.0	SZ	0.8	19.2	76.1	4.98
		e	57 29	SZ	1.0	38.9		
							AVG.	4.92

20	LC-	eP	19 34 31.5	SZ	0.3	3.3	2.9	
		eS	35 09	ST	0.4	5.3		
20	LC-	eP	21 17 03.0	SZ	0.3	14.0	1.4	
		eS	17 22	ST	0.3	7.3		

20 21 56 03.2 35.9 N 114.9 W CALIFORNIA NEVADA BORDER
H= 5 KM

20	JR-	eP	21 56 46.0	SZ	0.5	16.1	2.6	
20	MN-	eP	21 57 01.0	SZ	0.2	1.7	3.6	3.73
		eS	57 50	SR	0.3	9999.9		
20	LC-	eP	21 58 08.5	SZ	0.6	1.2	7.7	4.25
		eL	22 00 13	ST	0.9	3.1		
							AVG.	3.99

20 22 18 22.* 35.9 N 114.8 W CALIFORNIA NEVADA BORDER
H= 5 KM

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG

20 22 43 35.* 18.6 S 69.5 W NORTHERN CHILE
H=129 KM MAG 4.30 CGS

20 23 14 45.9 36.6 N 140.3 E NEAR E. COAST HONSHU, JAPAN
H= 83 KM MAG 4.30 CGS

21	MN-	eP	00 34 25.3	SZ	0.3	1.7	3.0	
		eS	35 03	SR	0.4	2.8		
21	NP-	eP	01 09 40.7	SZ	0.7	10.6		
21	JR-	eP	01 15 50.0	SZ	0.7	2.2		
21	JR-	e	01 16 00	SZ	0.8	4.0		
21	AD-	eP	03 32 59.2	SZ	0.2	177.4	.7	
		eS	33 09	SR	0.2	100.4		

21 07 28 48.1 5.9 S 154.3 E SOLOMON ISLANDS
H= 40 KM MAG 4.80 CGS

21	MN-	eP	07 41 51.5	SZ	1.0	10.8	91.7	5.12
21	JR-	eL	08 13 10	LZ	30	229.5	96.4	
21	LC-	eL	08 15 20	LZ	30	263.9	100.8	
21	HY-	eL	08 16 30	LZ	29	341.8	100.2	
21	DH-	eL	08 28 58	LZ	25	255.6	123.4	

21 08 07 25.* 56.6 N 34.7 W NORTH ATLANTIC OCEAN
H= 33 KM MAG 4.30 CGS

21	RK-	eL	08 21 10	LR	30	146.7	34.4	
21	DH-	eL	08 22 45	LZ	25	191.7	29.3	

21	MN-	eP	12 03 43.4	SZ	0.2	14.2	1.3	
		eS	03 59	ST	0.2	14.4		
21	MN-	eP	12 10 31.6	SZ	0.2	15.8	.6	
		eS	10 40	SR	0.2	14.0		
21	MN-	eP	14 29 06.7	SZ	0.2	1.1	1.5	
		eS	29 27	SR	0.3	1.7		
21	JR-	eP	14 51 27.0	SZ	0.6	6.6		
21	JR-	eL	14 52 45	ST	0.6	19.3		
21	LC-	eP	16 21 14.0	SZ	0.5	4.8	1.5	
		eS	21 35	SR	0.4	3.1		
21	LC-	eP	17 03 32.0	SZ	0.2	4.7	1.7	
		eS	03 54	SR	0.2	8.8		

21 17 36 29. 60.5 N 146.8 W SOUTHERN ALASKA
H= 43 KM MAG 5.00 CGS

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	NP-	eP	17 40 43.6	SZ	0.9	28.8	18.4	4.49
		eL	44 23	LZ	13	848.1		
21	HY-	eP	17 42 12.1	SZ	0.6	29.6	27.3	5.14
		eLQ	51 10	LR	18	1483.7		
		eLR	52 30	LZ	18	900.7		
21	MN-	eP	17 42 21.0	SZ	0.8	4.9	28.5	4.30
		eL	51 13	LR	20	497.8		
21	RK-	eP	17 42 41.8	SZ	0.8	26.2	30.7	5.11
		ePCP	45 36	SZ	0.8	8.7		
		eS	48 10	LR	25	205.9		
		eLQ	52 50	LR	20	199.5		
		eLR	55 10	LT	16	742.5		
21	JR-	eP	17 43 12.0	SZ	0.8	8.0	34.1	4.66
		eL	53 25	LZ	16	248.0		
21	LC-	eP	17 43 49.0	SZ	1.2	24.3	38.4	4.87
		e	46 59	SZ	1.2	7.6		
		eLQ	55 00	LR	23	125.5		
		eLR	58 08	LZ	18	504.4		
21	DH-	eP	17 44 49.5	SZ	1.0	61.8	45.9	5.50
21	AD-	eL	17 47 15	LZ	20	1327.7	18.6	
							AVG.	4.86
21	MN-	eP	18 03 37.8	SZ	0.2	3.9	1.1	
		eS	03 52	ST	0.3	3.0		
21	LC-	eP	18 27 57.2	SZ	0.2	2.3	2.4	
		eS	28 28	ST	0.3	5.5		

21 18 32 03. 63.1 N 150.3 W CENTRAL ALASKA
H=111 KM MAG 4.80 CGS

21	NP-	eP	18 35 51.5	SZ	0.7	10.6	16.7	4.20
21	AD-	167	18 36 02		0.8	91.8	17.9	
		e	36 25	SZ	1.0	186.3		
21	HY-	eP	18 37 59.3	SZ	0.8	25.9	29.6	4.98
		e	38 24	SZ	1.2	41.5		
21	MN-	eP	18 38 14.8	SZ	0.8	7.3	31.4	4.46
		e	38 21	SZ	0.8	6.4		
		epP	38 39	SZ	1.0	34.1		
21	RK-	eP	18 38 20.2	SZ	0.5	11.1	32.1	4.85
		e	39 07	SR	1.0	14.5		
		ePCP	41 05	SZ	0.5	5.5		
21	LC-	eP	18 39 38.0	SZ	0.8	4.6	41.1	4.33
							AVG.	4.56
21	LC-	eP	18 45 14.5	SZ	0.8	3.5		
21	JR-	eP	19 04 01.2	SZ	0.3	13.7	1.1	
		eS	04 15	SR	0.3	21.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
21	19 23 21.*		13. N 124.5 E LUZON, PHILIPPINE ISLANDS H= 33 KM MAG 5.50 CGS					
21	LC-	eP	20 19 07.5	SZ	0.2	8.4	1.3	
		eS	19 25	SR	0.2	9.6		
		eP	21 06 30.8	SZ	0.2	9.4		
		eS	06 48	ST	0.2	9.2		
21	21 38 47.*		45.2 N 112.7 W MONTANA H= 33 KM MAG 3.50 CGS					
21	21 54 58.*		44.9 N 112.7 W EASTERN IDAHO H= 44 KM MAG 3.90 CGS					
21	HY-	eP	21 55 58.2	SZ	0.3	7.2	4.1	4.48
21	MN-	eP	21 56 55.0	SZ	0.5	.9	7.6	3.95
21	RK-	eL	22 02 13	ST	0.8	16.8	14.1	
							AVG.	4.21
21	22 55 09.*		45. N 112.0 W HEBGEN LAKE REGION H= 33 KM					
22	00 24 48.7		9.5 S 71.3 W PERU BRAZIL BORDER REGION H=614 KM MAG 5.30 CGS					
22	DH-	eP	00 33 00.9	SZ	0.9	58.9	51.6	
		ePCP	34 04	SZ	1.1	105.1		
		ePP	34 58	SZ	1.0	59.6		
22	LC-	eP	00 33 15.6	SZ	0.6	12.4	53.6	
		ePCP	34 13	SZ	1.4	101.1		
		epP	35 10	SZ	1.0	22.7		
		epPP	37 13	SZ	1.3	57.0		
		eS	40 04	ST	2.0	113.3		
22	JR-	eP	00 33 50.7	SZ	0.5	9999.9	58.5	
		ePCP	34 32	SZ	0.6	26.7		
		eS	41 11	SR	2.0	79.8		
		e	42 38	SR	1.4	41.9		
22	RK-	eP	00 34 18.4	SZ	0.5	9999.9	63.2	
		e	42 00	SZ	1.5	115.1		
22	MN-	eP	00 34 29.8	SZ	1.0	9999.9	64.6	
		ePP	37 00	SZ	1.2	17.9		
22	NP-	P	00 36 45	ZE	0.3	32.9	90.1	
22	00 46 33.*		21.3 S 179.3 W FIJI ISLANDS REGION H=663 KM MAG 4.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	LC-	eP	00 58 15.0	SZ	0.9	7.6	87.6	
22			02 30 08.7	20.7 S 178.2 W FIJI ISLANDS REGION H= 85 KM MAG 4.70 CGS				
22	MN-	eP	03 47 34.6	SZ	0.7	1.2		
22	MN-	eL	03 59 50	LZ	46	1000.5		
22			04 36 34.7	28.2 N 57.0 E SOUTHERN IRAN H= 42 KM MAG 5.50 CGS				
22	NP-	eP	04 48 17.5	SZ	1.0	61.5	75.8	5.55
		eP	48 24	LZ	18	719.0		
22	DH-	eP	04 50 03.4	SZ	1.0	17.0	97.1	5.60
		eSP	05 02 52	LZ	17	712.2		
		eLR	27 17	LZ	26	2842.4		
22	RK-	eP	04 50 10	LZ	15	148.6	97.1	
		ePP	53 53	LZ	16	179.9		
		e	05 00 41	LZ	18	174.2		
		eSP	02 58	LZ	17	232.6		
		eLR	26 54	LZ	33	908.2		
22	LC-	eP	04 55 20.7	SZ	0.9	3.8	117.7	
		ePP	56 38	LZ	22	330.7		
		ePS	05 06 24	LT	28	9999.9		
		ePPS	07 43	LT	27	784.5		
		e	23 57	LZ	21	572.1		
		eLR	39 03	LR	29	1002.6		
22	MN-	ePP	04 56 11	LZ	19	294.8	113.6	
		eSKS	05 02 03	LT	19	320.2		
		ePS	05 42	LT	27	1035.7		
		e	17 02	LT	32	1397.8		
		eLQ	28 40	LR	28	536.3		
		eLR	37 47	LZ	34	1907.9		
22	JR-	ePP	04 56 26	LZ	18	209.2	116.5	
		ePPP	59 01	LZ	17	199.0		
		eSP	05 06 16	LZ	21	775.6		
		eSPP	07 40	LZ	20	470.9		
		e	21 05	LT	23	544.5		
		eLR	38 42	LR	32	1316.6		
22	HY-	eSKS	05 01 27	LR	17	415.8	104.8	
		ePS	04 12	LR	21	328.4		
		eL	31 26	LT	25	1035.3		
22	AD-	eLR	05 23 33	LZ	38	2594.6	87.4	
							AVG.	5.57
22			08 01 12.6	18.4 N 68.8 W MONA PASSAGE H=115 KM MAG 6.00 CGS				

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	DH-	eP	08 06 21.7	SZ	1.0	136.2	24.3	5.36
		eP	06 26	LZ	13	1676.3		
		epP	06 50	SZ	0.8	151.2		
		ePP	07 00	SZ	0.9	334.1		
		eS	10 28	ST	0.9	183.1		
		eS	10 39	LR	18	2388.4		
		e	10 59	ST	999.9	9999.9		
		eL	11 21	LR	26	5501.8		
22	LC-	iP	08 08 10.9C	SZ	0.9	9999.9	36.7	
		eP	08 11	LZ	14	247.0		
		e	08 28	SZ	0.8	49.1		
		epP	08 35	SZ	999.9	9999.9		
		e	13 01	SZ	0.8	11.3		
		eS	13 50	LR	22	753.1		
		e	14 08	SZ	1.4	75.2		
		e	15 04	LR	28	1399.8		
		eLQ	17 28	LT	35	2054.3		
		eL	20 38	SR	1.6	19.8		
		e	38 40	SZ	1.0	7.9		
22	RK-	eP	08 08 20.0	SZ	0.7	64.4	37.9	5.61
		epP	08 46	SZ	0.8	142.5		
		ePCP	10 35	SZ	0.7	53.9		
		e	14 03	LZ	14	436.6		
		e	14 09	SZ	1.1	74.3		
		e	14 53	LZ	14	727.8		
		e	16 21	SR	1.0	19.8		
		eL	16 56	LZ	31	594.3		
22	JR-	eP	08 08 53.0	SZ	1.1	126.8	41.6	5.62
		epP	09 19	SZ	0.8	99.9		
		e	10 47	SZ	0.9	70.2		
		ePCP	11 04	LZ	17	597.2		
		eSCP	14 27	SZ	1.1	28.1		
		eS	15 06	LR	23	634.3		
		e	15 27	SZ	1.2	28.0		
		e	18 40	LZ	24	1023.1		
		eLR	21 19	LZ	33	1589.1		
22	MN-	iP	08 09 36.8C	SZ	1.0	179.1	47.2	5.79
		e	14 27	SZ	0.5	7.2		
		eSCP	14 49	SZ	1.2	25.6		
		eS	16 25	LR	22	529.0		
		e	20 20	LZ	25	627.0		
		eLR	23 45	LZ	40	1951.9		
22	HY-	ePPP	08 11 00	LZ	15	279.7	41.9	
		eS	15 11	LT	23	712.2		
		eSS	18 34	LT	17	1259.5		
		eL	22 45	LT	24	1811.7		
							AVG.	5.59
22	MN-	iP	09 45 34.2D	SZ	0.3	4.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
			44.9 N 112.5 W EASTERN IDAHO					
22		10 28 46.7	H= 33 KM MAG 4.30 CGS					
				SZ	0.7	2.0	7.7	4.22
22	MN-	eP	10 30 40.6	SZ	0.9	16.6		
		e	30 59	SR	0.9	17.9		
		eL	32 39	LZ	10	1637.8		
		eL	33 22	LT	16	983.6	4.0	
22	HY-	eL	10 30 52	SZ	0.7	3.4	10.1	4.75
22	JR-	eP	10 31 11.6	SR	0.8	6.5		
		eL	33 58	SZ	1.0	9.0	13.9	4.39
22	RK-	eP	10 32 01.3	SZ	1.0	39.1		
		eL	36 02	LT	18	443.2	13.3	
22	LC-	eLR	10 35 51				AVG.	4.45
22	AD-	eP	11 34 59.7	SZ	0.4	32.6	3.6	
		eS	35 44	SR	0.5	73.0		
			22.2 S 179.7 W SOUTH OF FIJI ISLANDS					
22		11 58 10.1	H=600 KM MAG 5.00 CGS					
22	MN-	eP	12 09 36.5	SZ	0.9	14.1	83.4	4.54
22	LC-	eP	12 10 01.0	SZ	0.9	21.2	88.4	4.97
		epP	12 10	SZ	1.1	6.0		
							AVG.	4.75
22	AD-	eP	13 29 19.7	SZ	0.4	39.1	1.8	
		eS	29 43	SR	0.5	563.0		
			45.4 N 112.2 W MONTANA					
22		15 45 28.*	H= 33 KM MAG 4.00 CGS					
				SZ	0.5	10.5	3.6	4.12
22	HY-	eP	15 46 30.4	SZ	0.7	30.9		
		e	46 43	SR	0.5	38.8		
		eS	47 05					
22	HY-	eP	16 44 51.0	SZ	0.4	9.6	2.9	
		eS	45 28	SR	0.4	31.5		
			7.2 N 126.8 E MINDANAO, PHILIPPINE ISLANDS					
22		18 28 18.3	H=384 KM MAG 4.90 CGS					
22	NP-	eP	18 40 30.8	SZ	0.4	6.2		
			31.9 N 117.1 W OFF W. COAST BAJA CALIFORNIA					
22		20 54 35.3	H= 14 KM MAG 5.60 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
22	JR-	iP	20 55 53.5D	SZ	999.9	9999.9	5.2	
		eP	55 59	LZ	24	2651.7		
		eS	56 52	LR	999	9999.9		
		eLQ	57 06	LT	999	9999.9		
		eLR	21 00 20	LZ	11	9999.9		
22	MN-	iP	20 56 14.5D	SZ	1.0	9999.9	6.6	
		eP	56 15	LZ	999	9999.9		
		eLR	58 10	LZ	999	9999.9		
22	LC-	eP	20 56 43	LZ	999	9999.9	8.9	
		eP	56 43	SZ	999.9	9999.9		
		eL	59 20	SR	999.9	9999.9		
22	HY-	eP	20 58 26.0	SZ	0.8	88.2	16.0	4.96
		eP	58 26	LZ	27	1044.2		
		eS	21 01 22	LT	21	3031.4		
		eL	02 40	LT	999	9999.9		
		eL	03 23	ST	2.2	722.4		
22	RK-	eP	21 00 04.8	SZ	0.8	39.2	25.6	5.11
		eP	00 08	LZ	10	664.4		
		e	04 47	LZ	21	9999.9		
		eLR	06 57	LZ	999	9999.9		
		eLR	08 15	ST	2.7	983.2		
22	DH-	eP	21 01 27.8	SZ	0.7	10.1	34.9	4.86
		eS	07 03	LR	25	2376.9		
		eLQ	12 13	LT	999	9999.9		
		eL	12 41	ST	3.2	1070.1		
		eLR	13 10	LR	17	9999.9		
22	NP-	eP	21 02 48.0	SZ	0.8	46.2	44.4	5.33
		ePPP	05 00	LZ	8	3927.7		
22	AD-	e	21 10 10	LT	22	1347.9	47.2	
		eLQ	14 04	LT	34	6376.7		
		eLR	16 44	LZ	25	2074.9		
							AVG.	5.06
			51.4 N 177.9 W ANDREANOF ALEUTIAN ISLANDS					
22		21 34 21.1	H= 65 KM MAG 4.60 CGS					
22	NP-	eP	21 40 54.0	SZ	0.5	5.4	33.4	4.68
22	HY-	eP	21 42 34.9	SZ	0.8	18.3	45.4	4.97
22	LC-	eP	21 43 41.0	SZ	1.0	5.9	54.2	4.57
							AVG.	4.74
22	NP-	eP	21 43 34.2	SZ	0.3	3.1		
22	NP-	eP	21 47 15.5	SZ	1.2	15.8		
22	JR-	eP	23 13 30.4	SZ	0.2	32.6	.9	
		eS	13 43	SR	0.2	52.4		
			19.9 S 169.7 E NEW HEBRIDES ISLANDS					
23		02 38 36.7	H=129 KM MAG 4.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23			51.8 N 175.8 W ANDREANOF ALEUTIAN ISLANDS H= 33 KM MAG 4.30 CGS					
23			59.4 S 26.9 W SOUTH SANDWICH ISLANDS REG. H= 33 KM MAG 6.00 CGS					
23	NP-	eP'2	06 06 22.5	SZ	0.8	29.8	147.1	
23	LC-	e	06 21 58	LZ	17	131.5	112.4	
		eL	46 58	LZ	22	233.8		
23	RK-	e	06 23 50	LZ	15	121.5	122.4	
		eL	46 35	LZ	40	171.6		
23			27.4 S 63.1 W SANTIAGO PROVINCE, ARGENTINA H=580 KM MAG 4.40 CGS					
23	LC-	eP	06 41 07.5	SZ	1.1	8.5	72.5	4.19
23	JR-	eP	06 41 35.5	SZ	1.0	20.2	77.2	4.51
		ePP	45 00	LZ	30	125.8		
							AVG.	4.35
23			7.1 S 129.4 E BANDA SEA H=111 KM MAG 5.00 CGS					
23	LC-	eP'	07 54 48.8	SZ	1.2	13.6	122.3	
		ePKKP	08 04 35	SZ	1.1	10.9		
23	LC-	eP	08 59 57.3	SZ	0.7	2.4		
23			51.1 N 175.5 W ANDREANOF ALEUTIAN ISLANDS H= 33 KM MAG 4.40 CGS					
23	JR-	eP	09 25 28.5	SZ	0.8	3.9	47.7	4.50
23	RK-	eP	09 25 39.0	SZ	0.9	8.9	48.9	4.77
23	LC-	eP	09 26 05.5	SZ	1.0	4.9	52.7	4.43
							AVG.	4.56
23			23.6 S 179.0 W SOUTH OF FIJI ISLANDS H= 33 KM MAG 4.90 CGS					
23	LC-	eP	10 29 13.5	SZ	0.9	3.8	88.7	4.60
23			27.9 N 57.0 E SOUTHERN IRAN H= 33 KM MAG 4.80 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
23			19.7 S 68.5 W CHILE BOLIVIA BORDER REGION H=163 KM MAG 4.30 CGS					
23	HY-	eP	13 04 18.0	SZ	0.5	6.7	4.3	
		eS	05 09	ST	0.4	13.8		
23	DH-	eP	14 58 42.2	SZ	0.4	9.0	1.5	
		eS	59 03	SR	0.4	26.7		
23	DH-	eP	15 18 02.0	SZ	0.3	3.1	.8	
		eS	18 13	ST	0.4	28.1		
23			23.2 S 114.0 W EASTER ISLAND REGION H= 33 KM MAG 4.50 CGS					
23			52.2 N 168.2 W FOX ALEUTIAN ISLANDS H=160 KM MAG 4.80 CGS					
23	DH-	eP	17 05 13.0	SZ	0.5	3.2		
23	RK-	eP	17 12 21.0	SZ	999.9	9999.9	2.3	
		eS	12 51	SR	0.5	13.0		
23	MN-	eP	18 43 27.0	SZ	0.4	5.7	3.5	
		eS	44 09	SR	999.9	9999.9		
23			30.3 N 131.1 E KYUSHU, JAPAN H= 33 KM MAG 5.40 CGS					
23	RK-	eP	20 00 57.5	SZ	0.8	5.1	90.1	4.79
		eSP	13 00	LZ	22	93.9		
		eL	33 12	LZ	30	185.3		
23	LC-	e	20 15 25	LZ	19	78.0	97.1	
		e	20 38	LZ	20	98.0		
		e	31 20	LT	32	305.9		
		eL	35 00	LZ	25	74.7		
23	JR-	eL	20 32 10	LZ	999	9999.9	92.1	
23	MN-	eP	19 52 23.6	SZ	0.8	14.7		
23	HY-	eP	20 06 55.5	SZ	0.5	13.5	5.0	
		e	06 58	SZ	0.6	17.5		
		eS	07 49	SR	0.6	16.6		
23	HY-	eP	20 10 58.5	SZ	0.5	6.7	4.4	
		e	11 03	SZ	0.6	11.2		
		eS	11 52	SR	0.6	17.8		
23	LC-	eP	20 14 52.3	SZ	0.2	9999.9	1.6	
		eS	15 14	ST	999.9	9999.9		
23	DH-	eL	20 51 05	LZ	23	465.6		
23	MN-	eP	20 59 25.1	SZ	999.9	9999.9		
23	RK-	eP	21 05 30.0	SZ	0.2	6.9	3.0	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	06 08	SR	0.2	12.3		
23	NP-	eP	21 58 40.0	SZ	0.8	20.8		
23	DH-	eP	22 03 51.5	SZ	0.3	9.3	1.9	
		e	04 15	SR	0.4	14.8		
		eS	04 17	SR	0.3	33.8		
23	JR-	eP	22 05 27.8	SZ	999.9	9999.9	3.4	
		eS	06 10	SR	0.4	8.8		
23	JR-	eP	22 26 49.0	SZ	0.5	8.4	2.8	
		eS	27 25	SR	0.3	6.8		
23	HY-	eP	23 02 36.2	SZ	0.3	16.0	4.0	
		eS	03 25	ST	0.5	25.3		
23	MN-	eP	23 14 28.2	SZ	0.5	8.8		
24	01 08 37.7		36.2 N 70.9 E HINDU KUSH REGION H=158 KM MAG 5.60 CGS					
24	NP-	eP	01 19 18.8	SZ	0.6	26.4	67.6	5.20
24	LC-	eL	02 01 35	LZ	50	384.9	111.7	
24	02 06 05.*		28.1 N 57.4 E SOUTHERN IRAN H= 33 KM					
			03 12 56.0	SZ	0.3	1.2	4.1	
24	MN-	eP	13 46	ST	0.7	5.4		
		eS						
24	09 38 07.*		36.4 N 135.2 E SEA OF JAPAN H= 33 KM MAG 4.40 CGS					
24	18 45 45.5		4.4 S 153.1 E NEW IRELAND REGION H= 93 KM MAG 6.10 CGS					
			18 56 14	SZ	1.0	76.4	61.7	
24	AD-	e	56 15	LZ	26	173.2		
		eP	19 04 15	LZ	18	634.6		
		e	05 25	LZ	20	584.2		
		e	08 20	LZ	45	969.8		
		eL	11 30	LZ	32	778.6		
		eLR	13 40	LZ	27	1813.2		
			18 58 45.5	SZ	1.0	7.6	91.7	4.96
24	MN-	eP	59 11	SZ	0.7	4.6		
		epP	19 11 10	LT	28	352.9		
		ePS	15 50	LR	22	426.6		
		eSS	23 45	LT	43	1468.8		
		eLQ	28 20	LZ	30	2410.6		
		eLR	18 58 53.2	SZ	0.8	11.7	93.7	5.33
24	NP-	eP	19 04 04.5	SZ	0.6	2.4	108.0	
24	RK-	eP'						

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		ePS	13 45	LT	20.	120.5		
		ePPS	15 05	LT	18	280.7		
		ePKKP	15 29	SZ	0.6	11.0		
		eL	36 00	LT	35	516.8		
24	JR-	ePS	19 11 50	LT	28	341.6	96.5	
		eLR	30 00	LZ	30	1392.2		
24	LC-	eSP	19 12 30	LZ	17	331.8	101.0	
		e	16 02	SZ	1.0	8.8		
		eLQ	27 55	LT	42	1051.2		
		eLR	32 15	LZ	32	1405.2		
24	HY-	eL	19 33 35	LZ	30	750.4	100.0	
24	DH-	eL	19 43 45	LZ	40	1233.4	123.1	
							AVG.	5.14
24	JR-	eP	18 59 42.5	SZ	0.7	3.3		
24	19 25 52.5		3.9 N 96.9 E NORTHERN SUMATRA H=141 KM MAG 5.40 CGS					
24	HY-	eP'	19 44 41.5	SZ	0.8	9.0	126.0	
24	JR-	eP'	19 44 55.5	SZ	0.7	4.4	132.9	
24	19 49 58.5		52.7 N 168.8 W FOX ALEUTIAN ISLANDS H= 35 KM MAG 4.30 CGS					
24	AD-	eP	19 51 12.0	SZ	0.8	108.5	4.9	5.23
		e	51 27	SZ	0.9	258.7		
		eL	52 09	ST	1.0	246.9		
		eL	52 45	LZ	20	769.4		
24	HY-	eP	19 57 22.0	SZ	0.5	2.3	39.7	4.14
24	JR-	eP	19 58 02.0	ST	1.0	6.4	43.5	
24	RK-	eP	19 58 07.0	SZ	1.2	13.5	44.6	4.63
24	LC-	eP	19 58 47.0	SZ	0.8	1.7	48.5	4.12
							AVG.	4.53
24	19 55 01.3		35.1 N 139.2 E NEAR S. COAST HONSHU, JAPAN H= 66 KM MAG 5.00 CGS					
24	NP-	eP	20 04 53.8	SZ	1.0	31.2	58.9	5.29
24	MN-	eP	20 06 52.5	SZ	1.0	9.3	77.7	4.67
24	HY-	eP	20 07 03.0	SZ	0.9	16.4	79.6	4.91
		e	07 12	SZ	1.0	15.2		
24	RK-	eP	20 07 17.0	SZ	1.0	11.7	82.6	4.83
24	JR-	eP	20 07 25.0	SZ	1.0	13.5	83.8	4.93
24	AD-	eL	20 09 40	LZ	27	148.6	35.5	
							AVG.	4.92
24	AD-	eL	21 16 05	LZ	30.	201.1		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
24	MN-	eP	21 40 41.5	SZ	0.5	1.6	3.9	
		eS	41 31	ST	0.7	8.7		
24	22 51 35.*		44.7 N 110.8 W YELLOWSTONE PARK, WYOMING					
			H= 33 KM MAG 4.00 CGS					
24	HY-	eP	22 52 21.5	SZ	0.5	3.4	2.9	
		eL	53 07	SR	0.6	29.0		
24	23 48 37.2		23.9 S 179.9 W SOUTH OF FIJI ISLANDS					
			H=473 KM MAG 4.60 CGS					
25	AD-	eP	00 18 31.2	SZ	0.2	95.5	1.5	
		eS	18 50	SR	0.2	281.7		
25	01 08 26.8		8.2 N 126.0 E MINDANAO, PHILIPPINE ISLANDS					
			H= 62 KM MAG 5.50 CGS					
25	NP-	eP	01 21 09.0	SZ	0.7	265.2	87.8	6.49
25	AD-	eL	01 38 20	LZ	25	128.9	63.7	
25	02 31 15.8		18.6 S 169.1 E NEW HEBRIDES ISLANDS					
			H=209 KM MAG 4.30 CGS					
25	03 16 47.1		15.2 S 173.2 W TONGA ISLANDS					
			H= 11 KM MAG 4.50 CGS					
25	JR-	eP	03 28 49.5	SZ	0.6	2.8	76.4	4.54
25	LC-	eP	03 28 55.5	SZ	1.0	5.9	79.3	4.52
							AVG.	4.53
25	JR-	eP	05 22 42.0	SZ	0.2	3.2	3.9	
		eS	23 30	SR	0.3	29.0		
25	JR-	eP	05 30 25.0	SZ	0.5	.8	4.5	
		eS	31 21	SR	0.5	39.2		
25	JR-	eP	05 54 43.0	SZ	0.3	2.4	4.0	
		eS	55 32	ST	0.5	35.4		
25	MN-	eP	06 06 43.0	SZ	0.2	35.7		
25	08 02 08.5		9.9 S 159.8 E SOLOMON ISLANDS					
			H= 35 KM MAG 5.10 CGS					

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
25	08 05 52.9		7.8 N 80.8 W PANAMA					
			H= 45 KM MAG 4.40 CGS					
25	RK-	eP	08 13 57.0	SZ	0.7	1.4	44.2	3.84
25	HY-	eP	08 14 00.0	SZ	0.9	4.7	44.3	4.26
							AVG.	4.05
25	08 48 37.7		18.8 S 69.0 W NORTHERN CHILE					
			H=117 KM MAG 5.10 CGS					
25	LC-	eP	08 58 48.7	SZ	1.5	11.6	62.3	4.61
		e	59 20	SZ	1.1	8.5		
25	JR-	eP	08 59 21.5	SZ	0.6	7.5	67.2	4.75
		e	09 00 06	SZ	0.7	28.0		
25	RK-	eP	08 59 52.7	SZ	0.5	5.5	72.7	4.63
25	HY-	eP	08 59 56.4	SZ	0.7	7.6	73.1	4.62
		e	09 00 29	SZ	1.2	47.4		
25	MN-	eP	08 59 57.5	SZ	1.4	15.8	73.2	4.64
		epP	09 01 23	SZ	1.5	29.4		
		e	01 44	SZ	1.4	55.5		
							AVG.	4.65
25	09 51 02.*		22.5 S 67.3 W CHILE BOLIVIA BORDER REGION					
			H= 92 KM MAG 4.60 CGS					
25	LC-	eP	10 01 41.2	SZ	1.0	3.9	66.3	4.32
		ePCP	02 08	SZ	1.3	7.6		
25	JR-	eP	10 02 12.5	SZ	1.2	24.2	71.1	4.93
		e	02 39	SZ	1.2	17.3		
25	HY-	eP	10 02 48.5	SZ	0.6	7.7	77.1	4.74
		e	03 27	SZ	1.2	23.7		
							AVG.	4.66
25	JR-	eP	10 54 29.0	SZ	0.2	2.1	4.0	
		eS	55 18	SR	0.3	11.3		
25	13 50 50.*		35.2 N 139.1 E NEAR S. COAST HONSHU, JAPAN					
			H=104 KM MAG 4.80 CGS					
25	NP-	eP	14 00 38.0	SZ	0.7	18.0	58.8	5.20
25	MN-	eP	14 02 36.4	SZ	0.8	3.9	77.7	4.29
		eL	23 35	LT	26	932.7		
25	HY-	eP	14 02 46.5	SZ	0.9	11.8	79.6	4.72
25	LC-	eP	14 03 33.0	SZ	0.6	.8	88.8	4.01
		e	13 10	LT	14	502.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eLQ	28 20	LT	27.	408.1		
		eLR	32 40	LZ	28	181.9		
25	AD-	eL	14 06 00	LZ	22	1120.2	35.5	
25	JR-	eL	14 30 00	LZ	26	367.1	83.8	
25	RK-	eL	14 33 00	LZ	25	224.3	82.6	
							AVG.	4.55
25			14 09 48.*	32.3 N 113.7 W W. ARIZONA MEXICO BORDER H= 33 KM MAG 4.40 CGS				
25	JR-	eP	14 10 37.0	SZ	0.4	7.7	2.9	
25	LC-	eP	14 11 09.2	SZ	0.5	1.4	6.0	3.88
		eL	13 01	SR	0.7	9.5		
25	MN-	e	14 12 09	SZ	0.2	2.3	7.1	
		eL	14 15	ST	1.5	34.6		
25	RK-	eP	14 14 58.0	SZ	0.8	6.9	23.7	4.20
							AVG.	4.04
25	JR-	eP	14 16 45.0	SZ	0.4	19.4		
25	JR-	eP	14 22 37.0	SZ	0.4	.7		
25	JR-	eL	14 24 30	SR	0.4	2.3		
25	JR-	eP	14 25 50.0	SZ	0.3	2.4	3.1	
		eL	26 30	SR	0.5	5.1		
25	MN-	eP	14 48 42.0	SZ	0.2	2.7	2.9	
		eS	49 19	ST	0.2	4.8		
25	JR-	eP	16 02 24.0	SZ	0.3	8.8	4.0	
25	LC-	eP	16 02 46.8	SZ	0.8	1.7		
25	JR-	eS	16 03 14	SR	0.5	27.3	4.0	
25	LC-	eL	16 04 36	SR	0.8	1.6		
25			16 30 01.9	18. N 101.2 W NEAR COAST GUERRERO, MEXICO H= 81 KM MAG 4.80 CGS				
25	LC-	eP	16 33 32.5	SZ	1.6	17.0	15.1	4.08
		e	33 37	SZ	1.0	29.6		
		e	33 38	LZ	17	569.6		
		e	36 38	LT	16	632.1		
		eL	37 40	LT	999	9999.9		
		eL	38 05	SZ	3.0	1489.8	19.3	4.04
25	JR-	eP	16 34 23.0	SZ	1.0	9.0		
		eP	34 27	LZ	19	485.5		
		e	38 05	LZ	20	490.2		
		eLQ	39 18	LT	23	3267.6		
		eL	40 10	ST	2.0	80.1		
		eLR	42 15	LZ	15	5311.8		
25	MN-	eP	16 35 22.4	SZ	1.2	53.8	25.2	4.92
		eP	35 23	LZ	20	203.9		
		e	35 31	SZ	0.9	42.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSS	40 20	LR	22.	511.1		
		eLQ	41 50	LT	24	1379.0		
		eL	43 18	ST	2.5	93.5		
		eLR	44 28	LZ	20	2039.2		
25	HY-	eP	16 35 50.0	SZ	1.0	15.4	28.3	4.63
		eP	35 50	LZ	17	171.1		
		eS	40 58	LR	21	699.3		
		eL	44 50	LR	24	1938.4		
		eL	45 21	SR	2.5	173.5		
25	RK-	eP	16 36 32.5	SZ	0.6	1.2	33.3	3.93
		eS	42 15	LT	27	188.6		
		eL	46 47	LR	27	466.7		
		eL	47 50	ST	4.0	1342.7		
25	AD-	eL	17 00 50	LZ	22	210.0	67.1	
							AVG.	4.32
25			17 01 32.2	34.8 N 139.3 E NEAR S. COAST HONSHU, JAPAN H= 33 KM MAG 5.10 CGS				
25	NP-	eP	17 11 30.0	SZ	0.8	27.2	59.1	5.34
25	HY-	eP	17 13 38.0	SZ	0.8	18.2	79.8	5.04
		eL	36 00	LR	22	210.5		
25	RK-	eP	17 13 43.5	SZ	1.3	28.2	82.8	5.22
		eL	40 40	LZ	30	103.5		
25	JR-	eP	17 14 01.0	SZ	0.9	15.5	83.9	5.14
		eL	41 00	LZ	28	736.9		
25	LC-	eP	17 14 27.0	SZ	0.8	2.3	88.9	4.44
		eLQ	39 38	LT	28	704.6		
		eLR	43 05	LZ	33	463.1		
25	AD-	eL	17 16 40	LZ	25	429.7	35.6	
		eLR	18 10	LZ	24	2340.5		
25	MN-	eLQ	17 34 15	LT	25	1156.6	77.8	
		eLR	37 35	LZ	25	606.2		
							AVG.	5.03
25	NP-	eP	17 04 50	LZ	22.	1249.5		
25	LC-	eP	17 17 02.0	SZ	0.5	2.2		
25	LC-	eL	17 18 57	SR	0.7	2.7		
25	NP-	eP	17 39 55.5	SZ	0.8	33.3		
25			17 56 40.1	25.3 S 68.1 W CHILE ARGENTINA BORDER REG. H=101 KM MAG 5.00 CGS				
25	DH-	eP	18 07 28.0	SZ	0.8	36.5	67.5	5.31
25	LC-	eP	18 07 30.0	SZ	1.1	21.9	68.1	4.90
		epP	07 57	SZ	0.7	3.4		
25	JR-	eP	18 07 59.5	SZ	1.0	56.3	72.8	5.35
25	MN-	eP	18 08 33.2	SZ	1.3	24.0	78.8	4.87

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		epP	09 01	SZ	1.4	17.8		
		e	09 11	SZ	1.5	29.4		
25	RK-	eP	18 08 34.2	SZ	0.9	63.3	79.1	5.45
		epP	09 01	SZ	1.0	38.2		
25	HY-	eP	18 08 35.4	SZ	0.8	31.0	79.3	5.19
		epP	09 02	SZ	1.2	42.7		
							AVG.	5.17
25	JR-	eP	20 31 42.0	SZ	0.5	2.5	4.5	
		eS	32 37	SR	0.7	15.7		
25	JR-	eP	21 42 46.0	SZ	0.5	.8	5.3	
		eS	43 50	ST	0.6	44.7		
25	MN-	eP	23 40 48.8	SZ	0.2	10.3	.8	
		eS	41 00	ST	0.2	14.8		
26	01 19 06.*		18. N 91.8 W GULF OF CAMPECHE H= 33 KM MAG 3.50 CGS					
26	LC-	eP	01 23 32.0	SZ	1.2	6.0	19.6	3.74
26	DH-	eL	01 33 45	LZ	30	182.6	28.1	
26	04 57 14.*		19.7 S 178.3 W FIJI ISLANDS REGION H=510 KM MAG 4.70 CGS					
26	JR-	eP	06 49 37.5	SZ	0.6	5.6	4.8	
		eS	50 36	SR	0.7	32.5		
26	JR-	eP	07 15 26.5	SZ	0.6	10.3	3.9	
		eS	16 16	ST	0.5	33.2		
26	08 16 28.9		16.7 N 99.6 W NEAR COAST GUERRERO, MEXICO H= 33 KM MAG 5.40 CGS					
26	JR-	iP	08 21 15.4C	SZ	1.1	228.0	21.2	5.43
		eP	21 16	LZ	20	292.4		
		eS	25 23	LR	15	1761.1		
		eL	27 35	LZ	30	2798.0		
		e	27 56	SR	3.0	868.7		
		e	28 23	ST	3.3	2481.2		
26	DH-	eP	08 23 04.0	SZ	0.5	6.7	33.1	4.80
		eL	32 55	LZ	35	1146.6		
26	NP-	eP	08 26 37.2	SZ	0.8	34.0	60.5	5.48
		eL	47 45	LZ	30	778.5		
							AVG.	5.23

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
26	10 57 17.2		43.1 N 145.2 E HOKKAIDO, JAPAN REGION H= 12 KM MAG 4.30 CGS					
26	14 30 29.1		51.8 N 156.8 E KAMCHATKA H=136 KM MAG 5.70 CGS					
26	NP-	eP	14 37 44.0	SZ	0.6	80.7	39.0	5.68
		ePP	39 00	LZ	18	287.6		
26	JR-	iP	14 40 52.4C	SZ	0.6	9999.9	64.2	
		eP	40 53	LZ	20	701.8		
		eS	49 21	ST	1.5	30.8		
		eS	49 24	LT	23	1086.0		
		ePPS	50 20	LT	28	1428.5		
		e	56 50	LT	25	1196.4		
		eLQ	59 00	LT	26	3261.9		
		eLR	15 01 05	LZ	44	5243.1		
		eP'P'	09 43	SZ	0.8	5.3		
26	DH-	eP	14 42 03.2	SZ	0.6	179.6	76.2	6.04
		epP	42 37	SZ	0.6	59.8		
		e	51 33	LR	18	1707.6		
		eSS	56 10	LR	25	654.2		
		eL	15 06 15	LR	42	3038.7		
		e	12 45	LZ	14	1702.8		
							AVG.	5.86
26	LC-	eP	18 34 24.0	SZ	0.2	15.9	1.4	
		eS	34 44	SR	0.2	13.0		
26	MN-	eP	18 45 34.5	SZ	0.8	2.9		
26	NP-	eP	18 45 39.5	SZ	0.8	14.9		
26	MN-	e	18 45 47	SZ	1.0	7.5		
26	AD-	eL	19 00 55	LZ	30	237.8		
26	LC-	eP	19 03 47.5	SZ	0.6	2.4		
26	LC-	e	19 09 15	LT	12	455.3		
26	MN-	e	19 14 50	LT	15	265.9		
26	MN-	e	19 16 55	LZ	17	237.0		
26	LC-	eL	19 19 18	LZ	25	89.5		
26	MN-	eL	19 21 00	LZ	20	152.9		
26	RK-	eL	19 26 15	LZ	25	120.4		
26	20 58 14.4		39.6 N 110.3 W EASTERN UTAH H= KM MAG 3.90 CGS					
26	JR-	eP	20 59 32.5	SZ	0.6	6.5	5.0	4.44
		eL	21 00 48	SR	0.6	20.0		
26	HY-	eP	20 59 57.5	SZ	0.6	5.2	6.8	4.70
		eL	21 01 15	SR	1.0	16.9		
26	MN-	e	21 00 14	SZ	1.0	4.1	6.2	
		eL	01 32	SR	1.1	6.0		
26	LC-	e	21 00 44	SZ	0.7	2.9	7.8	
		eL	02 22	SR	0.7	1.3		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	4.57
26			59.3 N 152.9 W SOUTHERN ALASKA H= 35 KM					
26	AD-	eP	23 53 55.5	SZ	1.0	47.0	15.3	4.79
		eL	58 15	LZ	30	282.4		
26	NP-	eP	23 55 00.7	SZ	0.4	1.6	20.7	3.68
26	HY-	eP	23 56 34.5	SZ	0.7	21.7	30.2	5.07
26	MN-	eP	23 56 36.0	SZ	0.6	2.4	30.4	4.20
26	RK-	eP	23 57 06.5	SZ	0.5	9.9	33.9	4.97
26	JR-	eP	23 57 30.0	SZ	1.0	6.7	36.2	4.45
26	LC-	eP	23 58 03.5	SZ	1.0	12.8	40.7	4.62
26	DH-	eP	23 59 12.0	SZ	1.1	44.1	49.2	5.36
							AVG.	4.64
27	NP-	eP	01 40 54.8	SZ	0.5	13.0		
27	MN-	iP	03 14 29.5C	SZ	0.3	11.9	1.0	
		eS	14 43	SR	999.9	9999.9		
27	LC-	eP	08 29 19.2	SZ	0.9	3.0		
27			51.2 N 177.2 E RAT ALEUTIAN ISLANDS H= 33 KM MAG 4.60 CGS					
27	AD-	eP	10 15 50.0	SZ	0.6	71.4	3.9	4.88
		eS	16 35	SR	0.5	149.5		
		eL	17 00	LZ	17	1068.6		
27	JR-	eP	10 24 02.4	SZ	0.9	6.8	52.3	4.61
27	LC-	eP	10 24 37.6	SZ	0.9	13.8	57.2	4.99
							AVG.	4.82
27	MN-	iP	15 22 59.4D	SZ	0.4	28.7	.8	
		eS	23 11	SR	999.9	9999.9		
27			12.9 N 125.4 E SAMAR, PHILIPPINE ISLANDS H= 33 KM MAG 5.90 CGS					
27	AD-	eP	17 53 28.4	SZ	1.6	267.7	60.3	6.07
		eP	53 29	LZ	13	716.8		
		eS	18 01 42	LR	25	2019.2		
		eL	10 11	LZ	17	1021.1		
27	NP-	eP	17 55 48.3	SZ	1.3	94.5	83.3	5.76
27	RK-	ePP	18 02 08	SZ	1.9	35.9	108.0	
		ePP	02 10	LZ	14	172.4		
		e	07 30	LZ	15	144.0		
		eSP	11 27	LZ	19	275.0		
		e	17 14	LZ	19	239.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eL	27 58	LZ	25.	279.1		
27	LC-	ePP	18 02 23	LZ	10	602.4	112.9	
		eSPP	13 30	LZ	18	439.1		
		e	19 00	LR	26	692.2		
		eL	35 51	LZ	28	628.6		
27	MN-	eSS	18 16 15	LR	21	903.4	101.8	
		eL	31 07	LZ	28	1381.1		
27	HY-	eL	18 32 03	LZ	27	874.4	104.8	
27	JR-	eL	18 33 18	LZ	32	1297.1	107.8	
27	DH-	eL	18 48 33	LR	19	467.8	122.0	
27			7.2 N 73.4 W NORTHERN COLOMBIA H=113 KM MAG 4.10 CGS					
27	LC-	eP	17 59 10.5	SZ	0.9	6.4	39.8	4.43
27	LC-	eP	21 17 23.8	SZ	0.4	16.1	1.3	
		eS	17 42	SR	0.4	9.9		
28			11.9 S 165.6 E SANTA CRUZ ISLANDS H=111 KM MAG 4.90 CGS					
28	MN-	eP	10 59 22.0	SZ	0.4	5.4	3.3	
		eS	11 00 03	ST	0.3	7.0		
28			22.1 S 179.6 W SOUTH OF FIJI ISLANDS H=611 KM MAG 6.38 CGS					
28	AD-	eP	16 26 44.0	SZ	0.7	1073.8	73.7	
		eP	26 45	LZ	18	1567.2		
		epP	28 47	LZ	19	2432.3		
		ePP	29 42	LZ	19	2273.6		
		ePP	29 49	SZ	1.0	108.6		
		eS	35 28	LR	22	5847.9		
		esS	39 00	LR	21	4203.6		
		e	39 55	LZ	24	9999.9		
		e	43 35	LZ	29	9999.9		
		eL	47 05	LZ	29	9999.9		
28	MN-	eP	16 27 36.5	SZ	1.0	98.3	83.3	
		eP	27 37	LZ	15	416.1		
		epP	29 45	SZ	1.6	209.7		
		epP	29 50	LZ	20	1125.8		
		eS	37 15	SR	3.5	1814.2		
		eS	37 16	LR	999	9999.9		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	37 36	ST	3.5	664.1		
		eS	41 00	LR	999	9999.9		
		e	41 06	ST	4.5	829.0		
		e	42 00	LZ	25	2627.4		
		ePKKP	45 52	SZ	1.0	8.3		
		eSS	46 05	LR	25	2580.9		
		e	49 15	LR	26	1879.6		
		eL	54 15	LR	27	1972.1		
		e	54 57	SZ	1.0	5.8		
		e	56 24	SZ	2.0	36.4		
		e	58 43	LR	23	1347.9		
28	JR-	eP	16 27 48.0	SZ	0.5	49.9	85.5	
		eP	27 50	LZ	20	422.8		
		epP	30 03	SZ	0.8	95.5		
		epP	30 05	LZ	20	645.4		
		eSKS	37 20	ST	2.3	243.2		
		eS	37 39	SR	3.8	1573.5		
		eS	37 40	LR	24	9999.9		
		esS	41 20	LR	999	9999.9		
		e	42 43	LT	30	2610.5		
		e	45 49	SZ	0.7	24.5		
		eP'P'	53 55	SZ	1.2	13.7		
28	LC-	eP	16 28 01.0	SZ	0.7	58.0	88.3	
		eP	28 02	LZ	20	489.4		
		epP	30 12	SZ	1.0	79.0		
		epP	30 15	LZ	18	556.2		
		eSKS	37 12	LR	999	9999.9		
		eSKS	37 35	SR	2.0	96.3		
		eS	38 05	ST	2.3	408.9		
		esS	41 58	ST	6.0	1423.0		
28	HY-	eP	16 28 27.5	SZ	1.0	103.6	94.2	
		epP	30 41	SZ	1.5	98.6		
		epP	30 42	LZ	25	1246.2		
		eSKS	38 08	SR	2.5	161.7		
		eSKS	38 08	LR	28	1630.4		
		eS	38 55	ST	2.5	1747.4		
		eS	38 56	LT	20	9999.9		
		esS	42 48	LT	23	9999.9		
		ePKKP	45 25	SZ	0.6	6.3		
		eSS	45 30	LT	22	2720.9		
		esSS	48 35	LT	23	3208.2		
		e	51 15	LT	22	2842.7		
		e	55 25	LT	25	2658.6		
		eL	17 02 05	LZ	25	1495.5		
28	NP-	eP	16 29 14.6	SZ	0.8	14.5	104.7	
		e	42 10	LZ	25	1482.0		
28	RK-	eP	16 29 26.5	SZ	0.9	6.7	104.3	
		epP	31 22	LZ	20	212.3		
		e	33 24	SZ	1.0	11.7		
		epPP	35 25	LZ	21	251.7		
		e	40 15	LZ	25	742.2		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSP	42 00	LZ	30.	775.8		
		e	44 15	LZ	20	1352.5		
		ePKKP	44 59	SZ	0.5	6.6		
		e	46 30	LZ	22	996.3		
		e	51 10	LZ	22	1245.3		
		eL	17 08 10	LZ	18	643.5		
28	DH-	eP'	16 33 45.5	SZ	0.7	17.7	115.2	
		eS	41 55	LT	20	1956.1		
		esSKS	43 50	LR	20	1168.3		
		esS	45 45	LT	20	3493.1		
		e	47 25	LR	17	1980.7		
		eSS	50 17	LT	23	2538.1		
		esSS	53 50	LR	26	2795.0		
		e	56 15	LR	20	941.1		
		eL	17 15 40	LR	23	754.5		
28	LC-	e	16 40 40	LR	17.	9999.9		
28	16 47 40.*		12.3 N 44.6 W NORTH ATLANTIC RIDGE H= 33 KM MAG 4.90 CGS					
28	MN-	e	17 04 18	LR	22.	2453.9		
28	LC-	e	17 04 50	LT	32	2345.1		
28	17 04 57.		86.7 N 68.7 E NORTH OF FRANZ JOSEF LAND H= 33 KM MAG 5.70 CGS					
28	NP-	eP	17 08 53.4	SZ	1.0	62.0	17.1	4.73
		eL	13 18	LZ	26	7576.3		
28	AD-	eP	17 12 31.5	SZ	2.0	388.1	39.8	5.76
		eL	24 25	LZ	33	2264.2		
28	RK-	eP	17 12 50.5	SZ	2.0	257.3	42.5	5.63
		e	12 58	SZ	1.4	154.0		
28	HY-	eP	17 13 32.5	SZ	1.8	290.3	47.5	6.01
		ePP	15 23	SZ	1.8	203.2		
		eLQ	27 50	LR	27	2203.5		
		eLR	30 00	LZ	27	4590.7		
28	MN-	eP	17 14 28.0	SZ	1.4	37.6	55.1	5.23
		e	14 36	SZ	1.0	40.0		
		eL	32 40	LZ	32	1984.6		
28	JR-	eP	17 14 53.5	SZ	1.5	52.7	58.7	5.35
		e	15 02	SZ	0.8	26.5		
		eL	33 20	LZ	40	2251.2		
28	LC-	eP	17 15 08.5	SZ	1.6	51.1	61.1	5.38
		e	15 18	SZ	2.0	117.3		
		ePP	17 24	SZ	2.0	55.5		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
							AVG.	5.44
28	MN-	e	17 08 40	LR	25.	1909.1		
28	LC-	e	17 09 08	LT	22	1330.0		
28	LC-	e	17 19 35	LR	27	990.5		
28	LC-	e	17 23 15	LZ	17	1111.8		
28	LC-	e	17 26 20	LR	30	9999.9		
28	MN-	e	17 26 43	LR	28	2158.4		
28	LC-	eL	17 34 40	LT	28	9999.9		
28	DH-	eL	21 15 20	LR	25	514.5		
28	RK-	eL	21 22 50	LZ	30	355.0		
28	LC-	eL	21 29 15	LZ	30	389.7		
28	JR-	eL	21 32 50	LZ	26	383.3		
28	23 50 41.*		51.5 N 175.0 W ANDREANOF ALEUTIAN ISLANDS H= 33 KM MAG 4.90 CGS					
28	AD-	iP	23 51 03.2C	SZ	0.4	9999.9	1.1	
		eL	51 10	LZ	16	9999.9		
29	00 28 54.4		52.2 N 175.1 W ANDREANOF ALEUTIAN ISLANDS H= 33 KM MAG 4.50 CGS					
29	AD-	eP	00 29 13.2	SZ	0.6	389.8	1.0	
29	HY-	eP	00 36 54.3	SZ	1.0	6.0	43.5	4.29
29	RK-	eP	00 37 32.2	SZ	0.5	16.0	48.1	5.30
							AVG.	4.79
29	00 44 20.1		51.5 N 175.0 W ANDREANOF ALEUTIAN ISLANDS H= 35 KM MAG 4.60 CGS					
29	AD-	eP	00 44 41.8	SZ	999.9	9999.9	1.1	
		eL	44 45	LZ	999	9999.9		
29	MN-	eP	00 52 04.5	SZ	1.3	7.8	41.3	4.32
29	HY-	eP	00 52 23.5	SZ	1.0	18.2	43.7	4.76
29	RK-	eP	00 53 00.6	SZ	0.3	30.3	48.4	5.79
		eLQ	01 04 10	LT	16	259.7		
		eLR	07 43	LZ	33	299.9		
29	LC-	eP	00 53 30.5	SZ	1.0	2.9	52.3	4.21
		eL	01 11 00	LZ	15	330.4		
29	DH-	eL	01 19 30	LR	20	1156.0	63.8	
							AVG.	4.77
29	AD-	eP	01 26 17.6	SZ	0.2	14.7		
29	AD-	eP	01 26 37.0	SZ	0.3	9999.9		
29	AD-	eP	01 26 40	LZ	999	9999.9		
29	AD-	eP	01 30 15.3	SZ	0.2	221.8		
29	RK-	eP	01 34 56.5	SZ	0.4	10.4		
29	AD-	eP	01 37 27.0	SZ	0.3	9999.9	1.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	37 40	SR	999.9	9999.9		
29	01 40 08.4		51.5 N 175.0 W ANDREANOF ALEUTIAN ISLANDS H= 38 KM MAG 4.70 CGS					
29	AD-	eP	01 40 29.8	SZ	999.9	9999.9	1.1	
		eL	40 35	LZ	999	9999.9		
29	NP-	eP	01 46 39.2	SZ	1.4	28.9	32.6	4.96
29	MN-	eP	01 47 52.5	SZ	1.0	3.2	41.3	4.05
29	HY-	eP	01 48 12.0	SZ	0.9	16.4	43.7	4.76
29	RK-	eP	01 48 49.0	SZ	0.5	45.7	48.4	5.74
		eP	48 50	LZ	10	761.0		
		e	49 02	SZ	0.5	18.2		
		e	52 50	LR	20	119.0		
29	JR-	e	01 48 50	SR	1.0	6.6	47.4	
29	LC-	eP	01 49 19.5	SZ	0.8	1.1	52.3	3.90
29	DH-	eP	01 50 40.0	SZ	1.1	97.9	63.8	5.82
		e	02 07 32	LZ	15	820.7		
		eL	15 05	LZ	20	604.8		
							AVG.	4.87
29	RK-	eP	01 45 46.0	SZ	0.4	7.3		
29	AD-	eP	01 46 26.7	SZ	0.2	9999.9		
29	02 07 03.4		59.6 N 145.3 W GULF OF ALASKA H= 33 KM MAG 4.60 CGS					
29	NP-	eP	02 11 24.4	SZ	0.8	8.8	19.0	4.07
29	HY-	eP	02 12 37.2	SZ	1.0	12.1	26.4	4.48
29	MN-	eP	02 12 46.3	SZ	1.3	7.8	27.3	4.25
		eL	21 06	LZ	20	597.6		
29	RK-	eP	02 13 09.0	SZ	1.2	13.9	30.0	4.63
29	LC-	eP	02 14 14.5	SZ	1.1	7.3	37.4	4.39
							AVG.	4.36
29	AD-	eP	02 17 42.5	SZ	0.3	221.8	1.4	
		eS	17 59	ST	0.3	272.2		
29	03 30 44.3		38.1 N 144.0 E OFF E. COAST HONSHU. JAPAN H= 40 KM MAG 4.90 CGS					
29	NP-	eP	03 40 13.0	SZ	1.5	26.0	54.9	5.04
29	LC-	eP	03 43 11.5	SZ	1.0	6.9	83.9	4.72
29	AD-	eL	03 45 00	LZ	23	424.7	30.6	
							AVG.	4.88
29	AD-	eP	03 36 38.2	SZ	0.2	36.8	1.4	
		eS	36 55	SR	0.2	86.0		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
29	AD-	eP	04 33 37.0	SZ	0.2	36.8	.8	
		eS	33 48	SR	0.2	322.7		
29	AD-	eP	04 48 35.5	SZ	0.2	44.2	1.4	
		eS	48 52	SR	0.3	145.2		
29	AD-	eP	06 31 11.0	SZ	0.2	22.1		
29	AD-	eP	06 33 36.6	SZ	0.3	143.7	1.3	
29	AD-	eP	06 33 40	LZ	16	959.8		
29	AD-	eS	06 33 51	SR	0.3	311.9	1.3	
29	06 35 02.2		51.4 N 174.9 W ANDREANOF ALEUTIAN ISLANDS					
			H= 22 KM MAG 5.00 CGS					
29	AD-	eP	06 35 26.0	SZ	999.9	9999.9	1.2	
		eP	35 30	LZ	999	9999.9		
29	NP-	eP	06 41 35.0	SZ	1.3	18.9	32.7	4.83
29	MN-	eP	06 42 48.0	SZ	1.0	2.4	41.2	3.91
		eS	49 27	LR	19	388.9		
		eL	53 22	LT	25	769.2		
29	HY-	eP	06 43 07.3	SZ	0.8	9.0	43.7	4.55
29	JR-	e	06 43 41	ST	1.0	6.4	47.3	
		eS	50 55	LR	25	322.5		
		e	54 50	LR	22	630.6		
		eL	58 22	LR	21	666.4		
29	RK-	eP	06 43 44.6	SZ	0.5	38.8	48.4	5.70
		e	48 00	LZ	17	173.5		
		eLQ	54 48	LT	15	225.1		
		eLR	59 50	LZ	30	364.7		
29	LC-	eP	06 44 15.0	SZ	1.0	4.9	52.3	4.42
29	DH-	eP	06 45 35.2	SZ	1.0	88.1	63.8	5.86
		eL	07 07 43	LR	28	945.1		
							AVG.	4.87
29	06 39 08.		51.5 N 174.8 W ANDREANOF ALEUTIAN ISLANDS					
			H= 33 KM MAG 5.30 CGS					
29	AD-	eP	06 39 28.7	SZ	999.9	9999.9	1.2	
29	MN-	eP	06 46 51.0	SZ	1.1	5.0	41.1	4.19
29	HY-	eP	06 47 10.0	SZ	1.1	45.1	43.6	5.11
		eS	53 22	LR	17	666.8		
		eL	57 15	LR	20	1147.2		
29	JR-	e	06 47 35	SR	1.0	4.4	47.3	
29	RK-	eP	06 47 47.4	SZ	0.6	100.1	48.3	6.01
		e	47 59	SZ	0.6	16.4		
29	LC-	eP	06 48 07.0	SZ	0.7	3.4	52.2	4.42
		eS	55 20	LR	25	538.0		
		eLQ	59 40	LR	23	657.5		
		eLR	07 03 00	LZ	17	447.0		
29	DH-	eP	06 49 39.0	SZ	1.0	176.3	63.7	6.13
							AVG.	5.17
29	AD-	eP	06 48 19.3	SZ	0.2	51.5	1.3	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	48 35	SR	0.2	93.2		
29	AD-	eP	07 26 56.2	SZ	0.2	207.0	1.4	
		eS	27 13	SR	0.3	144.7		
29	AD-	eP	07 30 11.0	SZ	0.2	29.5	3.0	
		eS	30 49	SR	0.2	386.1		
29	10 09 42.4		51.8 N 175.1 W ANDREANOF ALEUTIAN ISLANDS					
			H= 76 KM MAG 4.40 CGS					
29	AD-	eP	10 09 58.8	SZ	0.3	388.1	1.0	
		eL	09 59	LZ	999	9999.9		
29	MN-	eP	10 17 23.8	SZ	1.0	1.6	41.3	3.79
29	HY-	eP	10 17 40.0	SZ	0.9	7.0	43.6	4.39
29	JR-	eP	10 18 13.0	SZ	1.0	4.4	47.4	4.32
29	RK-	eP	10 18 16.6	SZ	0.6	30.4	48.3	5.39
29	LC-	eP	10 18 52.5	SZ	1.0	3.9	52.4	4.37
29	DH-	eP	10 20 07.8	SZ	1.0	70.5	63.7	5.61
							AVG.	4.64
29	AD-	eP	11 35 57.2	SZ	0.2	243.2	1.3	
		eS	36 13	SR	0.3	263.5		
29	12 50 43.5		40.5 N 139.0 E EASTERN SEA OF JAPAN					
			H= 16 KM MAG 5.10 CGS					
29	NP-	eP	13 00 06.4	SZ	0.8	11.7	53.7	4.94
29	MN-	eP	13 02 24.0	SZ	0.9	3.7	74.5	4.39
29	HY-	eP	13 02 30.0	SZ	0.7	6.0	75.6	4.76
29	RK-	eP	13 02 41.0	SZ	1.0	9.0	78.1	4.80
29	LC-	eP	13 03 23.0	SZ	1.1	6.0	85.5	4.65
							AVG.	4.70
29	AD-	eP	13 07 41.2	SZ	0.2	44.3	1.4	
		eS	07 58	SR	0.3	101.8		
		eP	20 29.0	SZ	0.2	73.9		
		eS	20 47	SR	0.3	187.6		
		eP	14 32 17.8	SZ	0.2	51.7		
		eS	32 35	SR	0.2	107.2		
		eP	41 30.8	SZ	0.2	81.0		
		eS	41 47	SR	0.2	229.4		
29	MN-	eP	15 49 43.0	SZ	0.8	1.4	3.7	
		eS	50 30	ST	0.7	2.3		
29	JR-	eP	16 30 51.5	SZ	0.5	.8	5.3	
		eS	31 55	ST	0.5	10.4		
29	LC-	eP	17 44 29.0	SZ	0.2	4.7	3.0	
29	JR-	eP	17 44 40.5	SZ	0.2	41.4	2.8	
29	LC-	eS	17 45 07	SR	0.2	8.8	3.0	
29	JR-	eS	17 45 16	SR	0.3	23.8	2.8	
29	LC-	eP	17 58 18.5	SZ	0.2	1.4	1.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eS	58 37	SR	0.4	4.0		
29	AD-	eP	18 52 39.5	SZ	0.2	36.8	1.4	
		eS	52 57	SR	0.2	107.5		
29	JR-	eP	19 20 53.6	SZ	0.2	17.0		
29	JR-	eP	22 46 37.2	SZ	0.2	26.5	1.0	
		eS	46 51	ST	0.4	32.4		
29	22 59 22.		17.2 S 178.7 W FIJI ISLANDS REGION H=493 KM MAG 4.90 CGS					
29	23 22 42.1		6.2 S 155.5 E SOLOMON ISLANDS H= 50 KM MAG 5.20 CGS					
29	AD-	eL	23 51 20	LZ	18.	158.7	62.5	
30	01 14 22.*		36.6 N 34.7 E TURKEY H= 33 KM					
30	AD-	eP	04 11 26.6	SZ	0.3	99.8	1.3	
		eS	11 44	SR	0.3	249.6		
30	AD-	eP	04 22 12.6	SZ	0.3	72.0	1.2	
		eS	22 20	SR	999.9	9999.9		
30	MN-	eP	06 02 08.5	SZ	0.3	1.1	.1	
		eS	02 12	SR	0.2	3.4		
30	AD-	eL	08 13 02	LZ	18	1795.8		
30	AD-	eP	08 13 12.8	SZ	999.9	9999.9		
30	DH-	eP	08 23 21.3	SZ	0.8	5.1		
30	AD-	eP	08 23 26.8	SZ	0.5	164.0		
30	AD-	eL	08 23 40	LZ	17	713.8		
30	RK-	eP	08 30 00.0	SZ	0.7	7.3		
30	AD-	eP	08 31 47.8	SZ	0.5	187.5	1.4	
30	AD-	eL	08 32 02	LZ	15	642.6		
30	AD-	eS	08 32 07	SR	999.9	9999.9	1.4	
30	09 26 40.*		9.6 S 109.1 W N. EASTER ISLAND CORDILLERA H= 33 KM MAG 4.50 CGS					
30	LC-	eP	09 34 35.0	SZ	0.6	1.2	41.8	3.85
		eLQ	44 10	LR	25	236.1		
		eLR	47 30	LZ	21	324.2		
30	HY-	eP	09 36 10.0	SZ	1.5	18.1	55.3	4.88
30	NP-	eP	09 39 17.7	SZ	1.6	22.0	85.9	4.98
30	JR-	eL	09 48 00	LZ	23	550.8	44.3	
30	MN-	eL	09 50 13	LZ	23	440.1	48.5	

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	AD-	eL	10 05 00	LZ	25.	234.0	84.1 AVG.	4.57
30	09 58 01.*		8.7 S 109.3 W N. EASTER ISLAND CORDILLERA H= 33 KM MAG 4.60 CGS					
30	LC-	eP	10 05 43.0	SZ	1.0	5.9	40.9	4.30
		e	12 10	LT	16	684.5		
		eLQ	15 25	LR	26	1371.2		
		eLR	18 20	LZ	23	1313.8		
30	JR-	eP	10 06 02.8	SZ	0.5	1.6	43.4	4.03
		eS	12 40	LT	22	507.0		
		eLQ	18 42	LR	26	610.3		
		eLR	19 00	LZ	22	2457.8		
30	HY-	eP	10 07 29.0	SZ	1.0	6.1	54.5	4.59
		eL	27 00	LR	19	848.7		
30	RK-	eP	10 08 10.5	SZ	0.7	2.9	60.8	4.48
		eSP	16 35	LZ	15	160.1		
		eLQ	26 10	LR	35	474.3		
		eLR	32 00	LZ	17	376.8		
30	MN-	e	10 13 45	LT	22	586.0	47.6	
		eLQ	18 57	LT	25	694.1		
		eLR	21 05	LZ	24	2089.3		
30	DH-	eL	10 30 00	LZ	28	607.8	59.7	
30	AD-	eL	10 35 55	LZ	30	944.5	83.2 AVG.	4.35
30	NP-	eP	10 00 32.5	SZ	0.7	3.3		
30	13 08 50.2		12.4 N 142.0 E SOUTH OF MARIANA ISLANDS H=100 KM MAG 4.90 CGS					
30	MN-	eP	13 21 40.5	SZ	0.7	5.6	90.0	4.81
30	13 15 55.*		16.7 S 175.0 W TONGA ISLANDS H= 33 KM MAG 4.80 CGS					
30	MN-	eP	13 27 44.3	SZ	1.5	24.0	76.4	5.01
30	JR-	eP	13 27 57.5	SZ	1.0	8.9	78.7	4.70
		eL	52 25	LZ	25	216.7		
30	LC-	eP	13 28 11.5	SZ	1.0	8.8	81.6	4.72
		eL	53 45	LZ	30	250.4		
							AVG.	4.81

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
30	13 19 47.4		62.6 S 165.8 E BALLENY ISLANDS REGION H= 33 KM MAG 5.20 CGS					
30	NP-	eP*1	13 39 23.5	SZ	999.9	9999.9	146.3	
30	LC-	ePS	13 49 25	LT	8	2178.8	117.2	
		e	55 10	LR	17	178.1		
		eSS	56 10	LR	24	381.9		
		e	14 07 45	LR	30	380.4		
		eLQ	09 00	LR	34	1273.9		
		eLR	13 55	LZ	29	416.6		
30	RK-	eSS	14 00 20	LT	35	171.1	137.7	
		eLQ	16 00	LT	35	195.6		
		eLR	28 35	LZ	26	317.1		
30	JR-	eLQ	14 07 43	LR	34	919.2	116.9	
		eLR	14 08	LZ	25	455.1		
30	AD-	eL	14 13 12	LZ	35	2361.9	115.0	
30	MN-	eL	14 15 15	LZ	23	628.8	117.5	
30	HY-	eL	14 23 35	LR	22	469.2	128.3	
30	14 00 46.*		19.1 N 107.8 W OFF COAST OF JALISCO, MEXICO H= 33 KM MAG 3.90 CGS					
30	LC-	eP	14 03 55.5	SZ	1.2	9.1	13.3	4.54
30	JR-	eP	14 04 34.0	SZ	1.0	6.6	16.1	3.76
30	MN-	eP	14 05 30.0	SZ	1.0	7.3	21.3	3.99
							AVG.	4.09
30	15 27 25.8		31.3 N 138.8 E SOUTH OF HONSHU, JAPAN H=261 KM MAG 5.40 CGS					
30	AD-	eP	15 34 22.0	SZ	0.3	61.0	38.4	5.55
30	NP-	eP	15 37 23.5	SZ	0.8	3.8	62.6	4.12
30	MN-	eP	15 39 09.6	SZ	999.9	9999.9	80.3	
		e	39 22	SZ	0.6	11.9		
		e	39 35	SZ	0.8	4.8		
		e	48 35	SZ	6.5	1058.0		
		eSS	54 13	ST	1.0	6.2		
		e	54 41	ST	1.2	9.6		
30	HY-	eP	15 39 21.5	SZ	1.0	123.4	82.7	5.65
		epP	40 23	SZ	0.8	34.6		
		e	49 16	ST	3.5	579.3		
30	RK-	eP	15 39 37.0	SZ	1.0	59.1	86.0	5.37
		epP	41 00	SZ	0.5	13.3		
		eSKS	49 43	ST	1.5	57.8		
30	JR-	eP	15 39 41.0	SZ	0.7	25.5	86.4	5.19
30	LC-	eP	15 40 04.5	SZ	1.0	46.4	91.5	5.41
		ePP	43 43	SZ	1.5	26.1		
		e	49 20	LR	15	158.4		

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		eSKS	50 15	LR	17.	415.5		
		e	51 55	LR	19	564.0		
		ePKKS	16 00 45	LR	25	312.0		
							AVG.	5.21
30	JR-	eL	15 49 48	LZ	20.	262.4		
30	16 04 39.*		36.1 S 179.4 W EAST OF N. IS., NEW ZEALAND H= 33 KM MAG 4.60 CGS					
30	LC-	eL	16 05 38	LZ	25.	375.0	91.5	
30	16 49 46.4		41.6 N 141.7 E HOKKAIDO, JAPAN REGION H= 42 KM MAG 4.30 CGS					
30	LC-	e	17 02 29	SZ	1.0	2.9	83.2	
30	AD-	eL	17 04 00	LZ	30	277.8	29.9	
30	21 30 58.8		23.3 S 179.9 W SOUTH OF FIJI ISLANDS H=547 KM MAG 5.20 CGS					
30	MN-	eP	21 42 35.0	SZ	1.3	75.4	84.4	5.16
		epP	44 34	SZ	1.0	14.7		
		ePP	45 58	SZ	1.4	15.5		
30	MN-	eP	21 54 52.0	SZ	999.9	9999.9		
30	23 37 41.		36.4 N 69.9 E HINDU KUSH REGION H=123 KM MAG 5.30 CGS					
31	01 04 38.*		18.9 N 107.9 W OFF COAST OF JALISCO, MEXICO H= 33 KM MAG 4.40 CGS					
31	LC-	eP	01 07 51.0	SZ	1.1	41.3	13.5	5.16
		e	10 20	LZ	15	608.5		
		eL	11 10	LR	20	9999.9		
31	JR-	eP	01 08 26.0	SZ	1.0	42.2	16.3	4.56
		eL	12 33	LZ	25	820.0		
31	MN-	eP	01 09 25.0	SZ	1.0	45.0	21.4	4.78
		eL	15 20	LZ	27	668.3		
31	HY-	eP	01 10 19.0	SZ	1.0	9.5	27.0	4.41
31	RK-	eP	01 11 17.3	SZ	1.3	17.6	33.8	4.80

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
		e	18 28	LZ	15.	188.4		
		eL	21 13	LZ	26	274.4		
							AVG.	4.74
31	NP-	eP	01 19 27.4	SZ	0.6	6.8		
31	01 47 13.*		28.7 N 139.4 E BONIN ISLANDS REGION H=426 KM MAG 4.70 CGS					
31	NP-	eP	01 57 10.5	SZ	0.9	36.0	65.0	5.00
31	03 14 26.*		60. N 147.0 W SOUTHERN ALASKA H= 58 KM MAG 4.10 CGS					
31	AD-	eP	05 31 38.0	SZ	0.4	175.7	1.1	
		eS	31 53	ST	0.4	395.6		
31	10 41 03.6		35. N 116.6 W CENTRAL CALIFORNIA H= 14 KM MAG 3.50 CGS					
31	MN-	eP	10 42 00.5	SZ	0.4	1.4	3.6	3.36
		e	42 10	SZ	0.5	4.7		
		eL	42 58	SR	0.5	25.2		
31	JR-	eP	10 42 04.5	SZ	0.6	26.9	3.8	4.45
		eL	43 05	SR	0.3	9999.9		
31	LC-	eP	10 43 19.0	SZ	0.7	.9	8.7	4.20
		eL	45 40	SR	1.2	16.5		
							AVG.	4.00
31	12 46 22.4		7.4 S 156.0 E SOLOMON ISLANDS H= 48 KM MAG 4.80 CGS					
31	DH-	eP	15 15 08.5	SZ	0.4	21.2	1.7	
		eS	15 32	SR	0.4	83.6		
31	16 18 01.7		35.8 N 25.6 E CRETE H= 86 KM MAG 5.10 CGS					
31	NP-	eP	16 28 40.3	SZ	0.4	14.6	66.0	5.31
31	DH-	eP	16 29 30.0	SZ	0.5	13.3	73.7	5.06
31	RK-	eP	16 29 55.5	SZ	0.4	17.9	78.6	5.29
31	HY-	eP	16 30 45.5	SZ	0.6	10.6	88.1	5.10
31	LC-	eP	16 31 34.0	SZ	0.6	1.2	98.7	4.70
							AVG.	5.09

DAY	STA	PHASE	TIME	INST	PER	AMPL	DIST	MAG
31	AD-	eP	16 56 33.0	SZ	0.5	42.0	1.2	
		eS	56 50	SR	0.3	207.3		
31	LC-	eP	19 56 18.0	SZ	0.2	23.9	1.3	
		eS	56 36	ST	0.5	9.6		
31	23 13 30.9		4.6 S 153.0 E NEW BRITAIN REGION H= 77 KM MAG 5.10 CGS					
31	NP-	eP	23 26 41.0	SZ	1.5	35.8	93.9	5.55
31	AD-	e	23 32 10	LZ	20	139.7	61.9	
		e	33 20	LZ	30	219.1		
		eL	41 40	LZ	30	739.6		
31	NP-	eP	23 32 30.0	SZ	0.7	5.3		
31	23 34 52.9		52. N 175.4 E RAT ALEUTIAN ISLANDS H= 33 KM MAG 4.70 CGS					
31	AD-	eP	23 36 08.0	SZ	0.5	42.0	4.9	5.02
		eP	36 10	LZ	20	302.7		
		eL	37 10	SR	1.0	516.1		
		eL	37 45	LZ	13	1937.0		
31	JR-	eL	23 58 00	LZ	30	409.8	53.2	