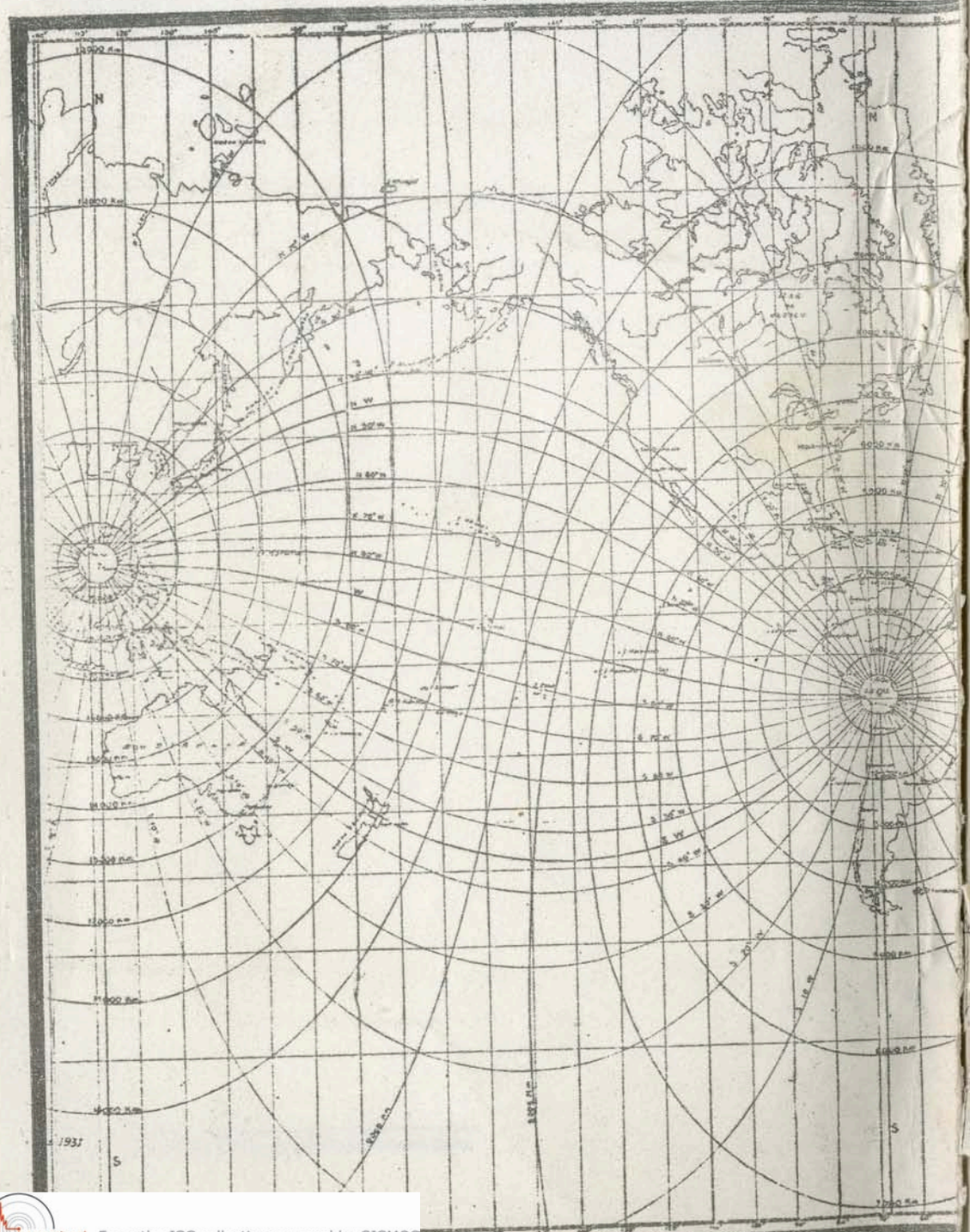
CURVAS ISODIASTEMATICAS



RA LA PAZ P / S / pP / PKP SKS pPKP

7 AUG 1967

PUNCH P's & S's FOR ALL STATIONS EXCEPT LPB

SEISMIC BULLETIN

OBSERVATORIO SAN CALIXTO

LA PAZ - BOLIVIA

1 JULY - 30 SEPTEMBER. - 1965.

O B S E R V A T O R I O

S A N C A L I X T O

L A P A Z B O L I V I A

S E I S M O L O G I C A L B U L L E T I N

1 JULY - 30 SEPTEMBER, 1965

Network Director
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Casilla 283, La Paz
BOLIVIA, South America.

STATIONS OF THE "SAN CALIXTO OBSERVATORIO" NETWORK

This Bulletin contains seismological information obtained at the following stations of Bolivia:

LOCATION	CODE	LATITUDE	LONGITUDE	ALTITUDE (Mts)	INSTRUMENTS	MAGNIFICATION
Penas	PNS	16° 16' 02"S	68° 28' 24"W	3986	Seismic array of seven short-period vertical Johnson-Matheson, To =1,25 sec	
					Tq=.337 sec	400,000 at 1 cps
					SP Hor. Benioff, To=1 sec, Tq=.2 sec	500,000 at 1 cps
					LP, three components Sprengnether,	
					To= 20 sec., Tg= 30 sec	50,000 at 25 sec
La Paz (WWNSS)	LPB	16° 31'57.6"S	68° 05'54.1"W	3292	SP vertical Benioff, To= 1.sec.Tq=.75sec	50,000 at 1 cps
					SP horizontal Benioff, To= 1.sec.Tq=	
					.75 sec	50.000 at 1 cps
					LP, three components Sprengnether,	
					To= 5 sec., Tq= 100 sec.	1,5000 at 30 sec.
La Paz (Colegio)	LPZ	16° 29'43"S	68° 07'57.7"W	3658	Wilson-Lamison, SP vertical,To=1.2 sec	
					TG= 1.sec.	
					LP, three components, Galitzin-Wilip	
					To= 12 sec., Tq=12.6 sec	1,000 at 12 sec.
					Mainka, NS, To= 14 sec.,EW,To= 12 sec.	180 and 300
					San Calixto Pendulum, NS, EW,To=2.4 sec.	700
Cochabamba	CCH	17° 24' S	66° 07' W	2500	SP vertical Wilson-Lamison to= 3.sec	
Desaquadero	DSG	16° 33'34"S	69° 01'30"W	3810	SP vertical Wilson-Lamison To= 1.sec.	
Samaipata	SMB	18° 10' S	63° 51' W	1650	SP vertical Wilson-Lamison To= 1.sec.	
Sicasica	SCS	17° 17'05"S	67° 48'55"W	3900	SP vertical Wilson-Lamison To= 1.sec.	
Tarija	TRJ	21° 30'47"S	64° 46'34"W	2100	SP vertical Wilson-Lamison To= 3.sec.	

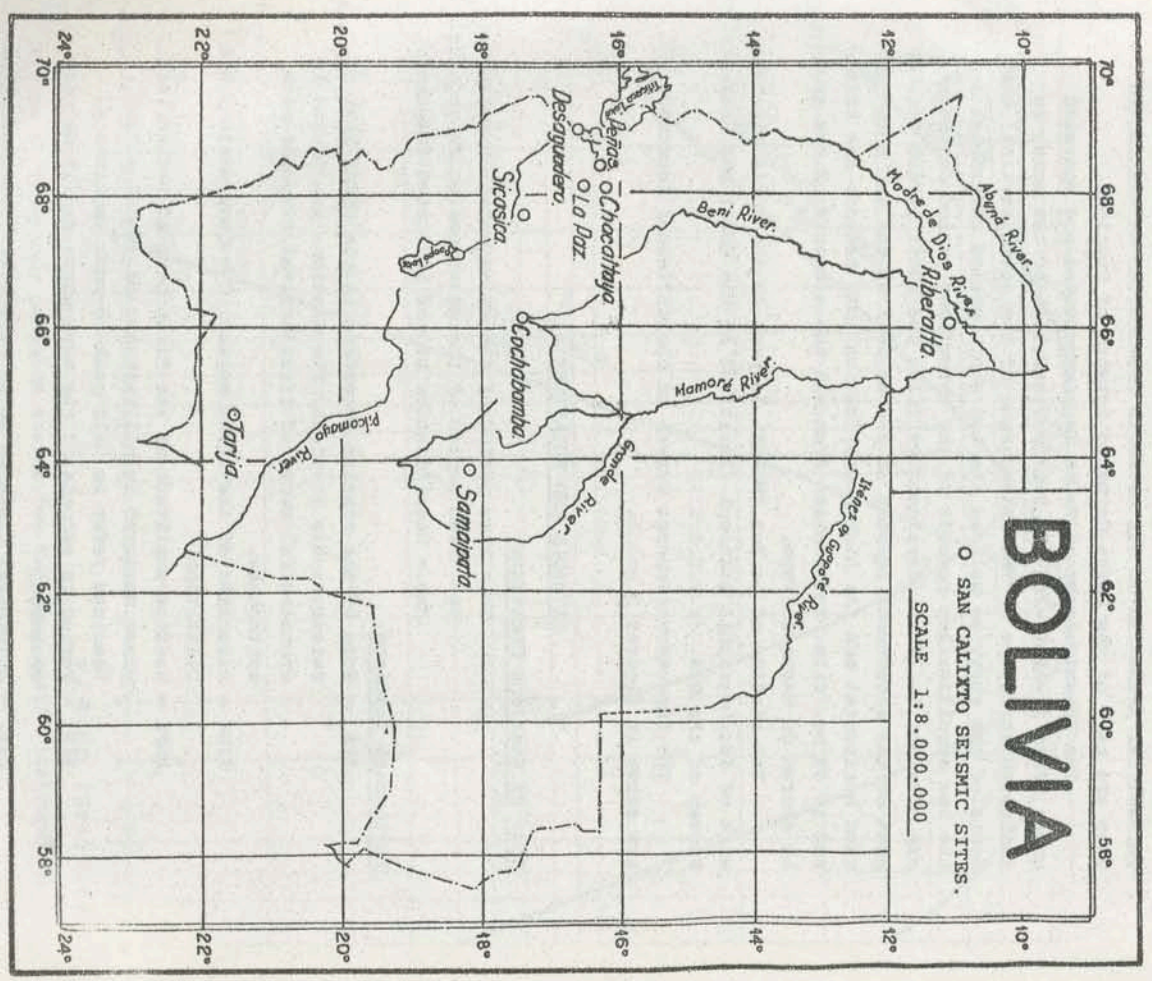

Fig.1.- LOCATION OF BOLIVIAN NETWORK OF SEISMIC STATIONS.

The stations of Cochabamba, Desaguadero, Samaipata, Sicasica and Tarija are operated in cooperation with the Instituto Geofisico Boliviano under the sponsorship of the Departament of Terrestrial Magnetism of the Carnegie Institution of Washington. They are part of the Andes Carnegie Network of Stations.

The Seismic Array of Peñas is instrumented and operated under Grant AF-APOSR-792-65. The configuration of the array is indicated in figure 2. The seismograms of the seven vertical elements of the array as well as the two short period horizontal and the low magnification records of the three long period components are obtained in 16 mm. develocorder film. The short period seismogram of the instrument located at Z-4 as well as the two short period horizontal and the high magnification long petiods are obtained in 35 mm. film. Information from all the elements of the array is stored on Magnetic Tape.

The station of La Paz (WWNSS) is part of the World Wide Network of Seismographic Stations, installed by the Coast and Geodetic Survey of the U.S. (U.S.C.G.S.).

The frequency response curves of the different instruments are shown in figures 2 and 3.

SYMBOLS AND NOTATIONS

Code of Stations Constants:

To = Free period of the seismometer in seconds.
Tg = Free period of the galvanometer in seconds.
Mag.= Magnification at the indicated frequency.

Earthquake Readings:

STA = Code of the station according to the USCGS List of Seismographic Stations. The Stations are listed in cronological order of first arrival time for each earthquake.

SIGN = Direction of the first motion. C = Compression, D = Dilatation.

AMPL = Maximum amplitude of the first part of the initial phase measured in millimicrons of ground motion. Readings refer to half peak-to-peak amplitudes.

PER = Period in seconds of the wave whose amplitude was measured.

DIST = Epicentral distance to La Paz, Bolivia, measured in a map of Isodiastematic Curves centered at La Paz.

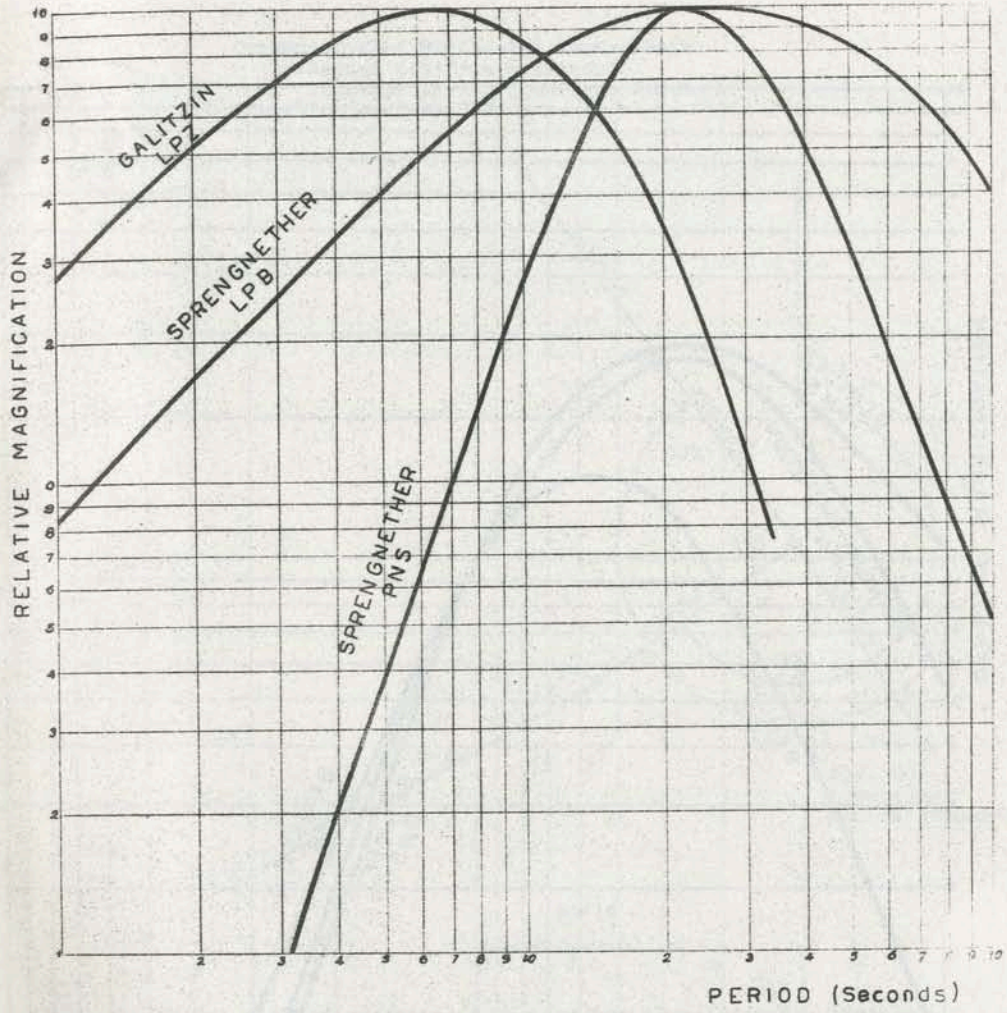

Figure 2. Frequency response curves for the long period instruments.

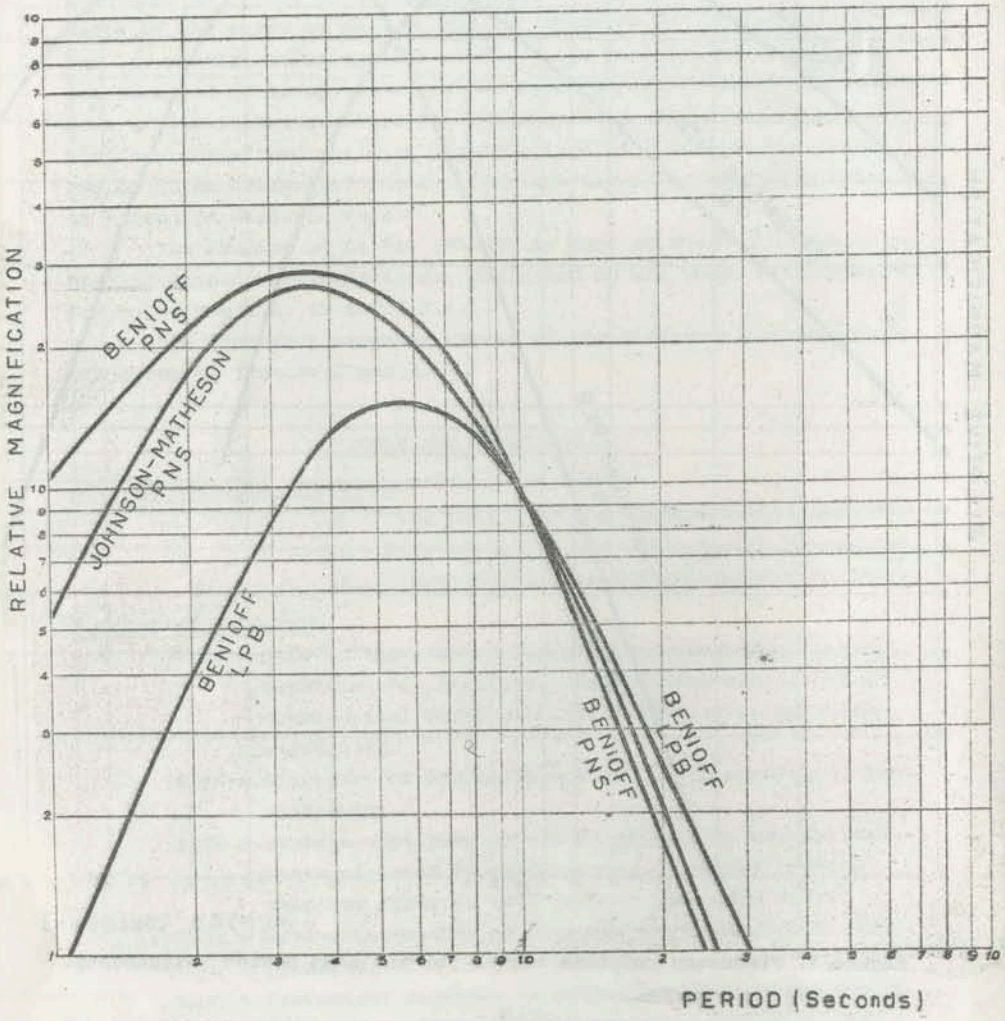

Figure 3. Frequency response curves for the short period instruments.

Orientation of Horizontal Instruments:
Radial 141°from true north
Transversal,231°from true North.
Elevation of Z-4, 3986 mts.

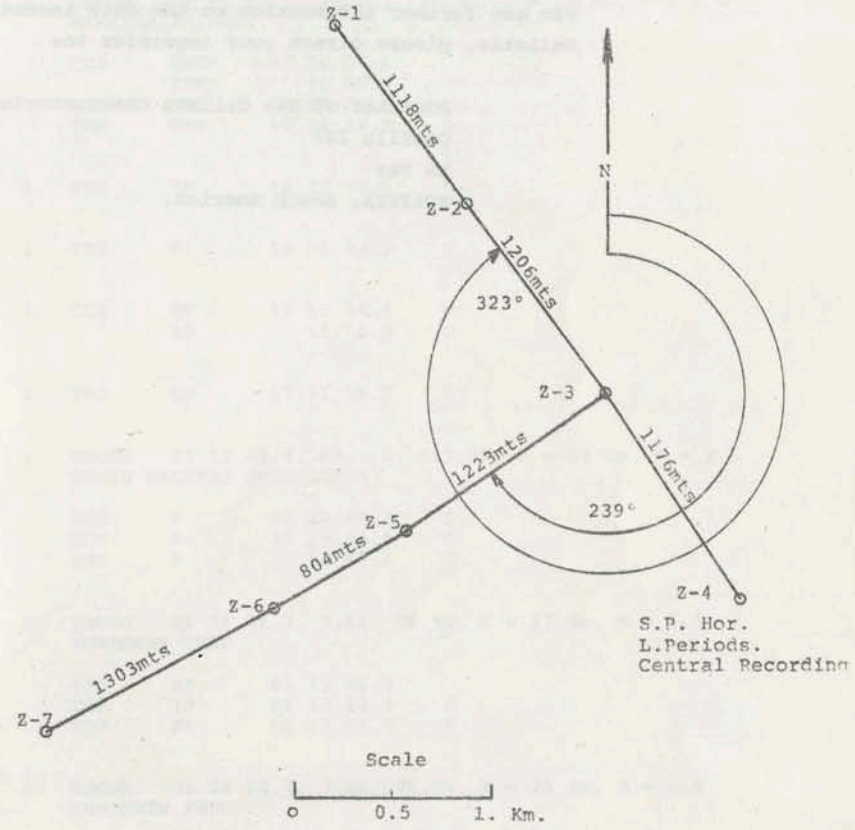

Figure 4. Configuration of the seismic array of Peñas, PNS.

For earthquakes not identified by the USCGS the epicentral distance has been calculated from the S-P travel times assuming a normal depth of the focus.

For any further information on the data issued on this Bulletin, please direct your inquiries to:

Director of San Calixto Observatorio
Casilla 283
La Paz
BOLIVIA, South America.

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	1	USCGS	01 23 51.1. 34.4N, 139.0E, H = 450 Km, M = 4.5					
		NEAR S. COAST HONSHU, JAPAN						
JUL	1	TRJ	IP	04 55 52.2	C			
		CCH	IP	04 56 26.7	D			
		SCS	IP	04 56 27.5	D			
JUL	1	USCGS	07 16 49.4, 18.2N, 146.3E, H = 86 Km, M = 5.0					
		MARIANA ISLANDS						
		CCH	EPKP	07 36 26.6				
			IPKP	36 30.6				
		SCS	PKP	07 36 28.0	C			
		TRJ	PKP	07 36 36.0	D			
JUL	1	TRJ	EP	14 27 13.5	C			
JUL	1	TRJ	P	16 01 53.2	D			
JUL	1	CCH	EP	17 11 54.4	D			
			ES	12 13.3	D			
JUL	1	TRJ	EP	17 31 58.7	C			
JUL	1	USCGS	23 12 45.4, 63. S, 163.7W, H = 33 Km, M = 5.5					
		SOUTH PACIFIC CORDILLERA						
		SCS	P	23 24 40.1	D			
		CCH	P	23 24 41.6	C			
		SMB	P	23 24 43.1	C			
JUL	2	USCGS	01 09 44.2, 7.6S, 76.9W, H = 17 Km, M = 4.4					
		NORTHERN PERU						
		SCS	EP	01 13 05.9				
		CCH	IP	01 13 12.9	C			
		TRJ	EP	01 13 55.8	D			
JUL	2	USCGS	02 28 12.7, 7.6S, 76.8W, H = 21 Km, M = 4.4					
		NORTHERN PERU						
		CCH	P	02 31 41.6				
		TRJ	EP	02 32 23.6	D			
JUL	2	SCS	P	03 07 13.1	C			
		CCH	P	03 07 30.4	C			
JUL	2	TRJ	IP	13 54 00.6	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	2	USCGS	20 19 41.8, 52. N, 175.3E, H = 40 Km, M = 5.3 RAT ALEUTIAN ISLANDS					
JUL	2	PNS	EP	20 27 05.6				
JUL	2	PNS	EP	20 52 22				
JUL	2	USCGS	20 58 40, 53.1N, 167.7W, H = 59 Km, M = 6.6 FOX ALEUTIAN ISLANDS					
		CCH	EP	21 12 07.4	D			
		PNS	EP	21 12 56.9				
JUL	2	PNS	EP	21 47 05				
JUL	2	TRJ	P	22 44 49.3	D			
			IS	45 19.3				
JUL	3	PNS	EP	00 01 24				
JUL	3	PNS	IP	00 47 23.7				
JUL	3	PNS	EP	01 12 37.5				
			(S)	13 10				
JUL	3	USCGS	02 22 18.6, 52.7N, 32.1W, H = 36 Km, M = 5.3 NORTH ATLANTIC OCEAN					
		PNS	EP	02 31 10.8				
		CCH	P	02 34 02.7				
JUL	3	PNS	IP	03 07 11.9	D			
			S	07 42.0				
JUL	3	CCH	P	11 33 48.3				
JUL	3	USCGS	11 26 11.6, 22.6N, 101.4E, H = 33 Km, M = 5.2 BURMA-CHINA BORDER REGION					
		TRJ	EPKP	11 46 16.0				
			PKS	46 20.5				
		CCH	PKP	11 46 16.7				
JUL	3	USCGS	12 22 28.6, 4.7S, 133.8E, H = 14 Km, M = 5.5 WEST NEW GUINEA REGION					
		TRJ	PKP	12 42 17.8	D			
		CCH	PKP	12 42 23.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	3	PNS	IP	13 54 42.2	C			
JUL	3	TRJ	P	14 06 39.2	D			
JUL	3	USCGS	16 32 30, 18. S, 67.9W, H = 195 Km, M = 4.1 BOLIVIA					
		SCS	P	16 33 02.3				
		CCH	IP	16 33 16.9	C			
			ES	33 34.6	C			
		SMB	IP	16 33 24.7	C			
			IS	34 13.7	C			
		TRJ	IP	16 33 27.7	C			
JUL	3	PNS	IP	16 48 11.2	D			
			S	49 01.3				
JUL	3	PNS	EP	20 32 05				
JUL	3	PNS	EP	20 52 20				
JUL	3	SCS	EP	21 56 54.8				
		PNS	IP	21 57 01.8	C			
JUL	3	PNS	EP	22 58 21.6				
			S	59 49.9				
JUL	3	PNS	IP	23 32 47.0	D			
			S	33 10.7				
JUL	4	PNS	IP	01 19 06.8	D			
JUL	4	PNS	EP	01 59 29				
JUL	4	PNS	IP	02 45 50.5	D			
JUL	4	PNS	EP	04 17 58.3				
JUL	4	PNS	IP	04 48 30.4	C			
JUL	4	PNS	EP	06 03 08.6				
JUL	4	PNS	EP	06 27 22				
JUL	4	PNS	IP	07 43 28.5	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	4	PNS	P	08 57 54.0				
			S	58 17.5				
JUL	4	PNS	EP	09 15 45.5				
JUL	4	PNS	EP	11 32 44.8				
JUL	4	PNS	EP	12 24 07				
JUL	4	PNS	IP	16 33 13.5	C			
JUL	4	PNS	EP	16 44 51				
			S	45 00				
		CCH	EP	16 45 15.7	D			
			S	45 34.2				
JUL	4	CCH	EP	20 45 38.3	C			
		PNS	IP	20 45 48.5	C			
JUL	4	PNS	EP	20 55 03.3				
			S	55 32.7				
		SCS	P	20 55 07.1	D			
JUL	4	PNS	EP	21 04 56				
JUL	4	PNS	EP	21 46 10				
JUL	4	PNS	P	22 42 15.1	C			
JUL	4	PNS	EP	23 01 20.5				
JUL	5	PNS	P	02 00 56.9				
JUL	5	TRJ	P	03 28 26.2	C			
		CCH	P	03 28 33.6				
		PNS	EP	03 28 43				
JUL	5	PNS	EP	03 52 46.6				
JUL	5	USCGS	08 31 58.9, 52.9N, 34.2W, H = 33 Km, M = 5.7					
		NORTH ATLANTIC OCEAN						
		CCH	EP	08 43 37.9	C			
		PNS	EP	08 43 39.4				
			S	46 27				
				08 43 45.8				
				08 43 48.7	D			
				08 44 02.7	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	5	PNS	IP	10 14 16.7	D			
JUL	5	PNS	EP	12 36 45.5				
JUL	5	PNS	EP	13 03 26.5				
JUL	5	PNS	P	13 04 34.2				
			S	05 47.1				
JUL	5	TRJ	IP	14 58 38.8	D			
			IS	59 09.6	D			
		CCH	IP	14 59 06.8	D			
			S	59 30.3	D			
		SMB	IP	14 59 09.5	D			
		SCS	IP	14 59 11.0	D			
		PNS	IP	14 59 23.0	C			
			S	15 00 28.7				
JUL	5	TRJ	P	15 05 14.1	D			
JUL	5	SCS	P	15 22 05.3	D			
			IS	22 27.2	D			
		PNS	IP	15 22 06.4	C			
			S	22 30.8				
JUL	5	TRJ	IP	16 23 27.3	D			
		SMB	P	16 24 10.4	D			
		PNS	EP	16 24 26.8				
JUL	5	SCS	P	16 39 39.1	C			
		PNS	IP	16 39 41.4	C			
JUL	5	PNS	P	16 47 24				
JUL	5	USCGS	19 13 16. 15.6S, 68.0W, H = 118 Km, M = 4.1					
		BOLIVIA						
		PNS	IP	19 14 06.1	C			
		SCS	IP	19 14 15.6	C			
JUL	5	PNS	IP	19 22 42.7	C			
JUL	5	USCGS	20 28 16.5, 33.6S, 70.5W, H = 99 Km, M = 4.3					
		CHILE-ARGENTINA BORDER REGION						
		TRJ	IP	20 31 29.1	C			
		PNS	IP	20 32 15.7	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	5	PNS	EP	22 29 25				
JUL	5	PNS	EP	23 33 56.2				
			S	34 33.0				
JUL	6	SCS	IP	00 01 13.1	C			
		PNS	IP	00 01 24.3	D			
			S	02 16.7				
JUL	6	PNS	EP	01 50 33.7				
JUL	6	TRJ	P	03 06 40.7	D			
JUL	6	TRJ	EP	03 19 19.1	D			
JUL	6	USCGS	03 04 19.8, 22.6S, 172.9E, H = 41 Km, M = 5.9					
		LOYALTY ISLANDS REGION						
		PNS	EPKP	03 23 12.8				
		TRJ	EPKP	03 23 13.8	C			
JUL	6	USCGS	03 18 44.6, 38.7N, 22.6E, H = 28 Km, M = 5.9					
		GREECE						
		PNS	EP	03 32 29				
			PP	36 36.6				
		SCS	EP	03 32 35.5				
		TRJ	EP	03 33 18.6				
JUL	6	PNS	EP	03 48 47.5				
JUL	6	USCGS	04 08 46.1, 46.7N, 152.4E, H = 35 Km, M = 5.4					
		KURILE ISLANDS						
		PNS	EPKP	04 28 35				
JUL	6	USCGS	04 48 29.1, 3.7N, 113.5E, H = 40 Km, M = 5.2					
		BORNEO						
		PNS	E(PKP)	05 08 37				
JUL	6	USCGS	05 15 14.2, 7.3N, 126.6E, H = 97 Km, M = 5.3					
		MINDANAO, PHILIPPINE ISLANDS						
JUL	6	PNS	EP	06 27 15.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	7	PNS	EP	00 10 21.8				
JUL	7	PNS	IP	00 19 39.0	D			
JUL	7	PNS	IP	01 50 49.7	C			
			S	51 27.6				
JUL	7	PNS	IP	02 34 21.1				
JUL	7	USCGS	04 51 14, 38.6N, 74.8E, H = 33 Km, M = 5.2					
		TADZHIK SINKIANG BORDER REGION						
JUL	7	PNS	P	05 44 32.3				
JUL	7	TRJ	EP	07 59 27.6				
			S	08 00 00.5	D			
JUL	7	PNS	EP	08 01 04				
		SCS	EP	08 01 17.7	D			
JUL	7	PNS	P	08 12 07.6				
JUL	7	TRJ	P	08 40 23.7	D			
		PNS	IP	08 40 55.0	C			
			S	41 07.2				
JUL	7	PNS	IP	09 38 27.7				
			S	39 01.6				
		SCS	P	09 38 33.9	D			
			S	39 09.3	D			
JUL	7	PNS	EP	12 04 02.3				
			S	04 35.5				
JUL	7	USCGS	12 08 34.3, 49.7S, 117.1E, H = 33 Km, M = 5.3					
		SOUTH OF AUSTRALIA						
JUL	7	PNS	IP	12 19 41.8	C			
JUL	7	PNS	P	13 30 52.4	C			
			S	31 15.0				
JUL	7	SMB	P	13 34 33.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	6	TRJ	IP	07 47 29.0	D			
			IS	48 03.5	D			
		PNS	IP	07 47 51.4	C			
JUL	6	PNS	IP	09 05 08.9	D			
JUL	6	SMB	IP	09 20 45.1	C			
		SCS	P	09 21 12.6	D			
		TRJ	EP	09 21 15.4	D			
		PNS	IP	09 21 25.3	D			
			S	22 26				
JUL	6	PNS	P	09 49 33.3				
JUL	6	TRJ	IP	11 23 24.6	D			
		PNS	P	11 24 24.3	D			
JUL	6	USCGS 13 06 59, 7.4N, 127.0E, H = 33 Km, M = 5.1 PHILIPPINE ISLANDS REGION						
JUL	6	USCGS 14 49 31.4, 59.6S, 26.2W, H = 63 Km, M = 5.2 SOUTH SANDWICH ISLANDS REGION						
		TRJ	IP	14 57 55.4	C			
		SMB	P	14 58 21.6	D			
		SCS	(P)	14 58 37.2	C			
		PNS	IP	14 58 44.6	C			
JUL	6	USCGS 15 28 33.6, 52.9N, 171.8E, H = 47 Km, M = 5.1 ALEUTIAN NEAR ISLANDS						
JUL	6	USCGS 18 36 47.3, 4.5S, 155.1E, H = 510 Km, M = 6.13 SOLOMON ISLANDS						
		PNS	PKP	18 54 47.3				
			PP	57 47.0				
		SCS	PKP	18 54 48.4	D			
JUL	6	TRJ	IP	18 55 05.4	D			
		PNS	IP	18 55 06.5	C			
		SCS	(P)	18 55 07.1	C			
JUL	6	PNS	EP	22 17 44.8				
JUL	6	PNS	IP	23 12 13.6	D			
			S	12 35.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	7	USCGS 14 22 13.1, 52.4N, 173.4E, H = 46 Km, M = 5.0 ALEUTIAN NEAR ISLANDS						
JUL	7	USCGS 14 54 56, 29.1S, 69.3W, H = 33 Km, M = 4.4 CHILE-ARGENTINA BORDER REGION						
		TRJ	P	14 56 57.6	D			
			P	57 01.8	C			
		PNS	IP	14 57 45.5	D			
JUL	7	PNS	IP	16 39 56.7	D			
JUL	7	PNS	IP	18 10 07	C			
JUL	7	PNS	EP	21 14 23.5				
			S	14 40.0				
		SCS	(IP)	21 14 28.5	D			
JUL	7	USCGS 21 38 50.5, 32.7N, 138.7E, H = 218 Km, M = 5.6 SOUTH OF HONSHU, JAPAN						
		PNS	IPKP	21 58 14.0	C			
			PP	22 01 55				
		SMB	EPKP	21 58 17.0				
		SCS	PKP	21 58 17.2	D			
			IPKP	58 22.8	D			
		CCH	PKP	21 58 23.7	C			
		LPB	EL	22 44 00				151.0
JUL	7	LPB	EP	22 46 50				
		PNS	EP	22 46 52				
			S	47 05				
JUL	7	TRJ	P	23 16 50.0	D			
		LPB	EP	23 17 52				
		PNS	EP	23 17 56				
JUL	7	USCGS 23 00 06.8, 6.9S, 105.6E, H = 109 Km, M = 5.8 SUNDA STRAIT						
		LPB	EPKP	23 19 41				156.2
			PPKP	19 52.5				
			ESS	44 00				
			EL	24 06 00				
		TRJ	EPKP	23 19 41.1	C			
			IPKP	19 46.1	C			
		CCH	IPKP	23 19 49.6	C			
		SCS	PKP	23 19 52.4	C			
		PNS	IPKP	23 19 53.3	D			
			PP	23 37.3				
JUL	7	PNS	EP	23 52 23.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	7	USCGS	23 02 29.5, 14.1S, 172.6W, H = 33 Km, M = 5.1					
		SAMOA ISLANDS						
		LPB	EL	23 54 00				113.5
JUL	8	TRJ	IP	00 15 52.5	D			
		SCS	P	00 16 43.7	C			
		LPB	P	00 16 52.5				
			S	18 19				
		PNS	IP	00 16 56.1	C			
			S	18 24.7				
JUL	8	TRJ	IP	01 33 52.5	C			
			S	34 16.4	C			
		CCH	P	01 34 04.5				
		PNS	EP	01 34 28.8				
JUL	8	PNS	EP	02 44 54.2				
			S	46 13.2				
		LPB	EP	02 45 09				
			S	46 03.5				
JUL	8	SCS	(P)	02 53 58.3	D			
JUL	8	USCGS	03 58 51.2, 6.8S, 105.5E, H = 92 Km, M = 5.1					
		SUNDA STRAIT						
		TRJ	EPKP	04 18 33.1	D			
		CCH	EPKP	04 18 35.8				
		LPB	EPKP	04 18 38				156.2
		PNS	EPKP	04 18 40				
JUL	8	CCH	IP	04 43 24.5	C			
		SCS	P	04 43 41.4	D			
		LPB	P	04 43 53.0	C	0.7	16.7	
			S	44 20				
		PNS	IP	04 44 01.2	C			
			S	44 38				
		SMB	EP	04 44 29.5				
JUL	8	PNS	EP	05 58 54.5				
JUL	8	TRJ	EP	06 35 55.9	D			
			S	36 26.4	D			
JUL	8	PNS	IP	07 15 59.6	D			
			S	16 25				
JUL	8	PNS	IP	08 16 35				
		LPB	EP	08 16 36				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	8	USCGS	11 44 48, 19.5S, 68.6W, H = 219 Km, M = 4.0					
		CHILE-BOLIVIA BORDER REGION						
		TRJ	P	11 45 29.1	D			
		SCS	EP	11 45 49.7	C			
		LPB	P	11 45 39.7		0.5	13.0	3.0
			S	46 35				
		PNS	EP	11 45 41.7				
			S	46 01				
		SMB	EP	11 45 49.7	C			
JUL	8	TRJ	IP	12 41 32.2	D			
JUL	8	PNS	IP	13 34 36.5	C			
			S	35 01				
JUL	8	USCGS	14 05 21, 18.7N, 145.0E, H = 223 Km, M = 4.2					
		MARIANA ISLANDS						
		PNS	IPKP	14 24 42.8	C			
		LPB	PKP	14 24 43				148.6
			EL	15 15 00				
JUL	8	PNS	IP	14 36 32.6	C			
			S	36 57.0				
JUL	8	USCGS	19 19 56, 7.7S, 130.5E, H = 218 Km, M = 5.5					
		TANIMBAR ISLANDS REGION						
		LPB	EL	20 30 00				150
JUL	8	USCGS	23 51 20, 9.7S, 79.7W, H = 33 Km, M = 4.3					
		OFF COAST OF NORTHERN PERU						
		LPB	EP	23 53 31				13.5
JUL	9	USCGS	00 41 52, 7.4N, 147.4E, H = 33 Km, M = 5.2					
		CAROLINE ISLANDS REGION						
		LPB	PKP	01 01 28				137.8
			EL	57 00				
		TRJ	EPKP	01 01 28.4				
		SCS	EPKP	01 01 31.7				
JUL	9	USCGS	17 46 41, 7.8S, 80.9W, H = 33 Km, M = 4.5					
		OFF COAST OF NORTHERN PERU						
		LPB	EP	17 50 20				14.7
			E(S)	53 45				
JUL	10	TRJ	IP	01 09 08.0	D			
			IS	09 38.4	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	10	LPB	P	04 11 35.8				
JUL	10	USCGS	04 26 41.9, 55.3N, 162.6E, H = 33 Km, M = 5.6 NEAR EAST COAST OF KAMCHATKA					
		LPB	EPKP	04 45 35				125.5
			EL	05 46.3				
JUL	10	TRJ	IP	08 25 55.6	D			
JUL	10	USCGS	19 22 19.5, 41.6N, 140.3E, H = 139 Km, M = 5.2 HOKKAIDO, JAPAN REGION					
		LPB	EPKP	19 41 42				145.6
			EL	20 31 00				
		TRJ	IPKP	19 41 54.7	C			
JUL	10	SCS	IP	20 29 41.0	D			
		TRJ	IP	20 29 46.2	D			
		SMB	P	20 30 04.2	D			
JUL	10	TRJ	IP	23 59 40.9	D			
			S	00 00 10.7				
JUL	11	LPB	P	00 04 24.0	C	0.9	29.5	
JUL	11	LPB	EP	01 13 42				
			S	14 52				
		SCS	EP	01 13 48.0				
JUL	11	LPB	IP	04 41 21.8				
		SCS	IP	04 41 21.8	C			
JUL	11	SCS	P	08 03 10.2	C			
		LPB	IP	08 03 10.6				
JUL	11	TRJ	IP	11 55 18.3	D			
			IS	55 48.3	C			
JUL	11	LPB	EP	16 35 00				
JUL	11	TRJ	P	17 14 17.2	D			
JUL	11	PNS	IP	20 16 35.9	C			
			(S)	17 00				
		LPB	IP	20 16 36.2				
			S	17 02				
		SCS	IP	20 16 36.5	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	11	ONS	EP	21 25 39.2				
JUL	11	LPB	EP	21 31 02				
			S	31 45				
		SMB	P	21 31 19.1				
		SCS	(P)	21 31 50.8	D			
		PNS	EP	21 31 59.6				
			IP	32 09.5	C			
			S	32 58.5				
JUL	11	TRJ	P	21 54 12.5	D			
JUL	12	TRJ	P	01 46 15.4	D			
			S	46 46.1				
		LPB	P	01 46 54				
		PNS	IP	01 46 58.1	C			
JUL	12	PNS	IP	02 39 17.2	C			
			S	39 40.6				
JUL	12	USCGS	05 34 12.5, 16.5S, 172.9W, H = 79 Km, M = 5.0 SAMOA ISLANDS REGION					
		LPB	E(P)	05 46 29				90.9
			S	58 29				
			EL	06 20.3				
JUL	12	TRJ	IP	07 27 00.5	D			
			S	27 32.0				
		LPB	P	07 27 28.1	C	0.8	16.8	
		PNS	IP	07 27 32.0	D			
			S	27 53.5				
JUL	12	PNS	IP	07 33 18.3	D			
JUL	12	LPB	EP	09 01 34				
		PNS	IP	09 01 38.8	D			
			S	02 02				
JUL	12	LPB	EP	09 59 17				
		PNS	EP	09 59 18				
JUL	12	USCGS	13 57 14.7, 28.4S, 68.2W, H = 118 Km, M = 5.7 LA RIOJA PROVINCE, ARGENTINA					
		TRJ	IP	13 59 04.6	C			
		SMB	IP	13 59 48.8	C			
		CCH	IP	13 59 50.5	C			
		LPB	P	13 59 59.6				11.9
			PP	14 00 03.6				
			S	02 31				
			L	03.6				
		PNS	IP	14 00 02.7	D			
			S	02 12.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	12	USCGS	13 52 39.5, 36.3N, 70.6E, H = 224 Km, M = 5.1					
			HINDU KUSH REGION					
		LPB	ESKS	14 19 36				138.7
			PS	24 24				
			EL	58 00				
JUL	12	PNS	EP	16 39 52				
			S	40 32.5				
		LPB	EP	16 39 57				
JUL	12	USCGS	18 39 46, 4.6S, 103.2E, H = 70 Km, M = 5.3					
			SOUTHERN SUMATRA					
		LPB	EL	19 15 00				157.2
JUL	12	PNS	IP	20 02 54.8	D			
			S	03 19				
JUL	12	PNS	EP	20 09 41				
JUL	12	PNS	EP	22 41 01				
JUL	12	PNS	EP	22 51 10.4				
JUL	13	PNS	IP	00 04 12.2	D			
			S	04 37.4				
JUL	13	USCGS	00 36 34.1, 15.5N, 91.7W, H = 150 Km, M = 5.0					
			MEXICO-GUATAMALA BORDER REGION					
		PNS	IP	00 43 48.4	C			
			S	44 16.3				
		LPB	P	00 43 51.5				39.2
			L	55 00				
JUL	13	PNS	EP	00 47 38.2				
JUL	13	PNS	IP	00 58 23.3	C			
JUL	13	PNS	IP	07 11 41.3	C			
			S	12 57				
		LPB	P	07 11 42.4				
JUL	13	PNS	EP	09 39 21.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	13	PNS	EP	10 01 47.7				
			S	02 21				
		LPB	EP	10 01 50				
JUL	13	USCGS	10 03 46.7, 6.7S, 106.6E, H = 55 Km, M = 5.7					
			JAVA					
		LPB	EPKP	10 23 49				156.8
		PNS	EPKP	10 24 09.5				
JUL	13	PNS	EP	11 53 47.2				
JUL	13	LPB	P	12 59 21.5				
			IS	59 46.8				
		PNS	IP	12 59 26.0	C			
			S	59 45.7				
JUL	13	PNS	EP	14 38 21				
		LPB	EP	14 38 24				
JUL	13	USCGS	14 41 07.9, 1. S, 121.5E, H = 96 Km, M = 5.6					
			CELEBES					
		LPB	EPKP	15 01 02				159.9
			EL	56 00				
		PNS	EPKP	15 01 03				
JUL	13	USCGS	14 09 21.1, 51.6N, 178.3W, H = 57 Km, M = 5.2					
			ANDREANOF ALEUTIAN ISLANDS					
		LPB	EL	15 04 00				115.1
JUL	13	USCGS	17 58 02, 13.2S, 75.1W, H = 102 Km, M = 4.0					
			PERU					
		LPB	EP	17 59 52				7.8
JUL	13	USCGS	19 37 11.3, 4.2S, 143.3E, H = 101 Km, M = 6.0					
			NEW GUINEA					
		LPB	EPKP	19 56 28				142.5
			EL	20 00 00				
JUL	13	TRJ	IP	21 35 42.4	C			
			IS	36 24.8	C			
JUL	13	USCGS	22 34 49, 3.2S, 77.7W, H = 90 Km, M = 4.4					
			PERU-ECUADOR BORDER REGION					
		LPB	P	22 38 34.5		1.0	28.0	16.2
			EL	42.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	13	USCGS	22 49 45, 2.8S, 78.6W, H = 97 Km, M = 4.5					
			ECUADOR					
		LPB	EP	22 53 41				16.6
			EL	58 00				
		TRJ	EP	22 54 40.4	D			
JUL	13	USCGS	23 09 49.3, 36.5N, 70.8E, H = 158 Km, M = 5.1					
			HINDU KUSH REGION					
		LPB	EPKP	23 28 55				138.9
			SS	49 00				
			L	24 15.2				
JUL	14	SMB	P	03 25 04.9				
		TRJ	EP	03 25 33.6				
JUL	14	LPB	EP	04 25 38				
			S	26 32				
JUL	14	USCGS	10 12 02.1, 60.9S, 24.4W, H = 33 Km, M = 5.7					
			SOUTH SANDWICH ISLANDS REGION					
		TRJ	IP	10 20 40.3	C			
		SMB	IP	10 21 02.1	D			
		LPB	IP	10 21 26.2	C	1.0		54.1
			S	29 21				
			L	38.2				
JUL	14	TRJ	IP	10 37 24.1	D			
JUL	14	USCGS	12 29 56, 17.6S, 69.5W, H = 143 Km, M = 5.1					
			PERU-BOLIVIA BORDER REGION					
		LPB	EP	12 30 29				1.6
			IS	30 54				
		SMB	IP	12 31 13.4	D			
		TRJ	IP	12 31 19.9	C			
JUL	14	USCGS	13 37 36, 17.2S, 69.3W, H = 170 Km, M = 4.2					
			PERU-BOLIVIA BORDER REGION					
		LPB	IP	13 38 08				1.5
			IS	38 30.5				
		SMB	IP	13 38 49.8	D			
		TRJ	IP	13 38 57.8	C			
JUL	14	USCGS	13 45 59.2, 52.5N, 168.6W, H = 21 Km, M = 5.1					
			FOX ALEUTIAN ISLANDS					
		LPB	EL	14 36 00				109.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	14	TRJ	IP	14 20 58.1	D			
JUL	14	USCGS	17 55 51.1, 52.6N, 168.6W, H = 8 Km, M = 5.3					
			FOX ALEUTIAN ISLANDS					
		LPB	ES	14 21 14				109.9
			PS	23 50				
			EL	47 00				
JUL	14	USCGS	18 13 20.9, 1. S, 122.8E, H = 207 Km, M = 5.3					
			NORTHERN CELEBES					
JUL	15	TRJ	IP	02 57 12.7	C			
		SMB	IP	02 57 33.5	C			
JUL	15	TRJ	P	06 39 12.8	C			
			S	39 41.7	C			
JUL	15	USCGS	08 31 24.6, 6.6S, 80.9W, H = 37 Km, M = 4.4					
			NEAR COAST OF NORTHERN PERU					
		CCH	P	08 35 35.2	D			
		TRJ	P	08 36 15.0	D			
JUL	15	USCGS	14 16 07.1, 37.3N, 74.3W, H = Km, M = 5.1					
			OFF E. COAST UNITED STATES					
		~~LPZ~~	~~SS~~	~~14 36 26~~				
			~~EL~~	~~43 00~~				
JUL	15	TRJ	P	16 42 37.0	D			
			S	43 08.1				
JUL	15	PNS	IP	18 33 15.3	C			
			S	33 38.1				
JUL	15	TRJ	P	18 52 31.7	D			
		SMB	P	18 52 34.0	D			
JUL	15	USCGS	18 35 29.9, 7.7N, 123.8E, H = 588 Km, M = 5.8					
			MINDANAO, PHILIPPINE ISLANDS					
		~~LPZ~~	~~L~~	~~19 00.3~~				
JUL	15	USCGS	20 32 59.7, 23.5S, 179.8W, H = 527 Km, M = 5.2					
			SOUTH OF FIJI ISLANDS					
		PNS	EPKP	20 45 45.6				
		~~LPZ~~	~~EL~~	~~20 58 00~~				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	15	PNS	EP	20 50 10.8				
JUL	15	PNS	EP	21 40 07.7				
			S	41 07				
JUL	16	PNS	IP	00 51 26.9	C			
			S	51 48.7				
		SCS	IP	00 51 33.1	D			
JUL	16	PNS	EP	01 15 41.6				
		TRJ	EP	01 15 44.4				
JUL	16	USCGS	02 12 11.3, 4.7S, 152.4E, H = 91 Km, M = 5.3					
		NEW BRITAIN REGION						
JUL	16	USCGS	02 53 06.9, 39.2S, 72.0W, H = 51 Km, M = 4.2					
		CENTRAL CHILE						
		TRJ	IP	02 57 25.3	D			
		SMB	EP	02 57 59.8				
		CCH	IP	02 58 02.5	D			
		SCS	IP	02 58 02.9	D			
		PNS	EP	02 58 10.5				
JUL	16	PNS	EP	04 59 23.4				
			S	05 00 00				
JUL	16	PNS	P	05 20 29.0	D			
JUL	16	PNS	IP	05 32 30.1	D			
JUL	16	PNS	EP	06 34 26.8				
JUL	16	SMB	EP	07 00 12.3				
JUL	16	TRJ	P	07 08 39.0	D			
		PNS	EP	07 09 26.2				
JUL	16	PNS	IP	08 45 45.8	C			
JUL	16	SCS	P	08 53 08.6	D			
		PNS	P	08 53 17.9	D			
			S	53 48.0				
JUL	16	USCGS	10 34 16.8, 12.1N, 87.7W, H = 42 Km, M = 4.8					
		NEAR COAST OF NICARAGUA						
		PNS	EP	10 41 06				
		LPZ	EL	10 52 00				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	16	PNS	EP	11 45 17.3				
JUL	16	TRJ	P	12 44 54.4	D			
JUL	16	USCGS	12 47 13.2, 1.2N, 90.5W, H = 33 Km, M = 5.1					
		GALAPAGOS ISLANDS REGION						
		TRJ	IP	12 52 00.0	D			
			PP	53 54.4				
		SMB	EP	12 52 33.4				
		PNS	EP	12 53 03				
			S	57 22.8				
		LPZ	EP	12 53 17				
			ES	57 18				
JUL	16	PNS	EP	13 12 19.3				
JUL	16	USCGS	13 17 06.4, 11.8S, 166.0E, H = 44 Km, M = 5.1					
		SANTA CRUZ ISLANDS						
JUL	16	PNS	EP	13 53 18.5				
JUL	16	PNS	EP	13 57 34.5				
JUL	16	PNS	EP	14 50 30				
			S	52 08				
JUL	16	TRJ	P	15 40 07.0	D			
JUL	16	PNS	EP	16 45 14				
JUL	16	USCGS	16 35 42, 2.9S, 127.5E, H = 35 Km, M = 5.0					
		CERAM SEA						
		TRJ	PKP	16 55 39.4	D			
		PNS	EPKP	16 55 46				
		LPZ	EL	17 50 00				
JUL	16	USCGS	17 00 59.7, 21.8S, 69.5W, H = 33 Km, M = 4.3					
		NORTHERN CHILE						
		TRJ	IP	17 02 22.9	D			
		SCS	P	17 02 27.2	D			
		PNS	EP	17 02 32.6				
		CCH	P	17 02 36.4				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	16	USCGS	18 09 33.7, 23.6S, 67.7W, H = 192 Km, M = 4.1					
		CHILE-ARGENTINA BORDER REGION						
		TRJ	IP	18 10 23.3	D			
		SMB	P	18 11 05.3				
		CCH	IP	18 11 06.5	D			
		SCS	P	18 11 09.5	D			
		PNS	EP	18 11 22.6				
			S	12 50.7				
JUL	16	PNS	EP	20 26 20				
			S	27 09.2				
JUL	16	PNS	EP	21 22 57.4				
			S	23 27.0				
JUL	16	PNS	EP	21 33 04.7				
JUL	17	PNS	IP	01 05 16.6	D			
			S	05 42.1				
JUL	17	PNS	IP	01 12 12.5	D			
			S	12 35.0				
JUL	17	PNS	EP	02 14 00				
JUL	17	PNS	EP	03 09 04.1				
			S	09 32.5				
JUL	17	PNS	EP	04 04 01				
JUL	17	PNS	EP	05 00 04				
JUL	17	PNS	EP	05 42 05.5				
			S	42 58				
JUL	17	PNS	EP	05 55 59				
			S	56 49.5				
JUL	17	SCS	IP	06 06 37.9	D			
		PNS	IP	06 06 41.1	D			
			(S)	06 09				
		SMB	P	06 06 37.9	D			
		TRJ	P	06 06 52.6	D			
JUL	17	TRJ	P	06 33 04.0	D			
			S	33 35.3	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	17	PNS	EP	07 07 37.4				
JUL	17	TRJ	P	07 24 42.0	D			
JUL	17	USCGS	07 20 30.5, 9.7S, 159.8E, H = 23 Km, M = 6.4					
		SOLOMON ISLANDS						
		TRJ	EPKP	07 39 33.8				
		PNS	EPKP	07 39 36				
			IPKP	39 43.7	C			
		SCS	EPKP	07 39 38.6				
		LPB	EL	08 18 00				126.0
JUL	17	PNS	P	08 47 36.7	D			
			S	48 32.7				
JUL	17	PNS	EP	09 04 31.8				
JUL	17	PNS	EP	09 24 32				
JUL	17	PNS	EP	10 29 59.8				
			S	30 21.2				
JUL	17	PNS	EP	10 33 49.8				
			S	34 18.5				
JUL	17	PNS	IP	13 02 31.9	D			
JUL	17	USCGS	12 47 49.4, 7.2S, 153.6E, H = 28 Km, M = 5.7					
		NEW BRITAIN REGION						
		PNS	EPKP	13 07 04.7				
			PP	10 40.7				
		LPB	PP	13 10 40				132.3
			PPS	24 33				
			SSS	31 34				
			EL	51 00				
JUL	17	USCGS	12 59 10.7, 27.2S, 177.6W, H = 27 Km, M = 5.4					
		KERMADEC ISLANDS						
		LPB	ES	13 26 50				102.6
			EL	48.4				
JUL	17	PNS	EP	14 24 26				
			S	25 52				
JUL	17	PNS	IP	14 34 45.6	C			
			S	35 08.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	17	PNS	IP	14 40 13.4	C			
			S	40 35.7				
JUL	17	PNS	EP	15 08 39.5				
JUL	17	USCGS	15 52 28.2, 18. N, 61.6W, H = 38 Km, M = 5.1					
		LEEWARD ISLANDS						
JUL	17	PNS	EP	15 58 43				
JUL	17	PNS	EP	15 59 13				
		SCS	P	15 59 21.1	D			
JUL	17	PNS	EP	16 37 44.7				
JUL	17	PNS	P	16 48 26.8	D			
JUL	17	PNS	EP	16 51 17.7				
JUL	17	USCGS	20 01 15, 16.5S, 167.7E, H = 33 Km, M = 5.0					
		NEW HEBRIDES ISLANDS						
		LPB	EL	21 03 00				126.5
JUL	18	PNS	EP	00 38 30.3				
			S	38 52.8				
JUL	18	PNS	EP	01 29 55				
			S	30 30.4				
JUL	18	TRJ	P	03 12 06.5	D			
		LPB	EP	03 13 22				
		PNS	EP	03 13 26.6				
			S	14 17				
JUL	18	TRJ	P	03 21 43.7	D			
			S	22 15.5				
		PNS	P	03 22 34.3				
JUL	18	PNS	P	03 23 18.2	D			
		LPB	EP	03 23 19				
JUL	18	SCS	IP	04 40 56.4	C			
		LPB	P	04 40 56.5				
		PNS	IP	04 40 57.5	C			
			S	41 26.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	18	SCS	EP	05 14 41.7				
		CCH	P	05 14 49.8	C			
		LPB	EP	05 15 02				
		PNS	EP	05 15 07				
			S	15 39.4				
JUL	18	USCGS	05 32 48, 7.8N, 142.2E, H = 33 Km, M = 4.7					
		CAROLINE ISLANDS REGION						
		LPB	EPKP	05 52 37				148.5
		PNS	EPKP	05 52 37.3				
		TRJ	PKP	05 52 38.7	D			
		CCH	PKP	05 52 38.9	C			
JUL	18	PNS	EP	06 57 10.6				
			S	57 25				
JUL	18	USCGS	06 58 50.3, 20.5S, 65.7W, H = 77 Km, M = 4.3					
		SOUTHERN BOLIVIA						
		TRJ	IP	06 59 49.2	D			
		SCS	IP	07 00 06.6	C			
		CCH	(IP)	07 00 08.0				
		SMB	IP	07 00 12.3	C			
		LPB	IP	07 00 16.7				4.5
		PNS	IP	07 00 21.0				
JUL	18	PNS	EP	07 06 22.5				
JUL	18	PNS	EP	07 44 07.9				
			S	44 31.5				
JUL	18	PNS	EP	08 07 30.3				
JUL	18	PNS	EP	08 12 26.8				
JUL	18	USCGS	07 57 48.8, 35.6N, 139.5E, H = 96 Km, M = 4.5					
		NEAR S. COAST HONSHU, JAPAN						
		LPB	EPKP	08 17 28		1.0	28.0	148.5
		PNS	EPKP	08 17 28.3				
JUL	18	PNS	EP	10 10 06				
			S	10 38				
JUL	18	PNS	EP	10 41 15.7				
JUL	18	PNS	EP	12 07 18.5				
			S	08 31.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	18	PNS	IP	12 54 53.7	C			
			S	55 16.2				
		SCS	P	12 54 56.3	C			
JUL	18	PNS	IP	13 07 00.3				
			S	07 24.9				
JUL	18	PNS	EP	13 36 55.5				
JUL	18	PNS	EP	14 15 57.5				
			S	16 38				
JUL	18	PNS	EP	18 48 43				
JUL	18	PNS	EP	18 55 58.3				
			S	56 22.5				
JUL	18	PNS	IP	19 03 34.5	C			
			S	03 58.5				
JUL	18	PNS	EP	19 51 06.9				
JUL	18	USCGS	22 14 59.5, 45.4N, 151.3E, H = 16 Km, M = 5.1					
		KURILE ISLANDS						
		LPB	EPKP	22 34 24				136.4
			EL	23 20 00				
		PNS	EPKP	22 34 24.7				
JUL	18	PNS	IP	22 44 56.5	C			
JUL	19	PNS	IP	00 07 39.6	D			
			S	08 02.5				
JUL	19	DSG	P	02 23 59.0	D			
		PNS	IP	02 24 04.4	C			
			S	24 27.2				
		LPB	IP	02 24 05.6	D	0.5	32.5	
			S	24 33				
		SCS	P	02 24 10.7	D			
JUL	19	TRJ	IP	02 30 36.3	D			
JUL	19	PNS	EP	02 37 20.2				
			S	37 43.8				
JUL	19	PNS	IP	03 34 11.4	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	19	USCGS	04 13 20.4, 9.2N, 70.4W, H = 33 Km, M = 5.4					
		VENEZUELA						
		PNS	EP	04 18 48.5				
			IP	18 51.7				
			I	18 56.1				
		LPB	P	04 18 49.4		0.8	175.0	26
			ES	23 22				
			L	25.9				
		DSG	P	04 18 50.8	D			
		SCS	IP	04 18 51.6	D			
		CCH	P	04 19 03.2	D			
		SMB	P	04 19 14.8	C			
		TRJ	P	04 19 35.0	C			
		LPZ	EL	04 26 00				
JUL	19	PNS	EP	05 11 39.2				
JUL	19	PNS	EP	05 16 40				
JUL	19	LPB	EP	05 31 33				
			S	32 01				
		PNS	EP	05 31 34.8				
			S	32 03.5				
JUL	19	PNS	EP	05 53 57				
JUL	19	USCGS	06 47 24.3, 28. N, 139.7E, H = 494 Km, M = 4.4					
		BONIN ISLANDS REGION						
		LPB	PKP	07 06 25		0.8	28.0	151.0
			EL	58 00				
		PNS	IPKP	07 06 26.4	C			
		LPZ	EL	07 58 00				
JUL	19	PNS	EP	07 08 22.5				
JUL	19	PNS	IP	07 23 59.7	D			
			S	24 37				
		LPB	P	07 24 03.5		0.5	13.0	
JUL	19	USCGS	07 36 32.4, 27.3S, 70.8W, H = 8 Km, M = 4.7					
		NEAR COAST OF NORTHERN CHILE						
		TRJ	EP	07 38 35.3				
		CCH	EP	07 39 11.4				
		LPB	EP	07 39 14		0.8	17.7	10.8
			S	40 10				
		SCS	EP	07 39 15.3				
		SMB	(EP)	07 39 17.2				
		PNS	EP	07 39 18				
			S	41 12				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	19	PNS	IP	07 42 29.4	C			
JUL	19	USCGS	08 51 35, 6.9S, 147.4E, H = 62 Km, M = 5.7 EAST NEW GUINEA REGION					
		LPB	EPKP	09 10 55				138.1
		PNS	EPKP	09 10 58				
JUL	19	TRJ	IP	09 00 51.4	C			
		SCS	EP	09 01 30.4	D			
		CCH	P	09 01 31.1	C			
		SMB	P	09 01 31.5	C			
		LPB	EP	09 01 39		0.8	17.5	
		PNS	EP	09 01 43.5				
JUL	19	USCGS	09 09 40.3, 3. N, 97.1E, H = 33 Km, M = 5.2 NORTHERN SUMATRA					
		LPB	EPKP	09 30 20				160.0
		PNS	EPKP	09 30 20.7				
		LPZ	EL	10 27 00				
JUL	19	PNS	IP	10 21 34.6	D			
JUL	19	PNS	IP	11 00 11.5	C			
			S	00 35.4				
JUL	19	USCGS	12 37 18.9, 28. S, 68.8W, H = 62 Km, M = 5.3 LA RIOJA PROVINCE, ARGENTINA					
		SMB	IP	12 39 54.8	C			
		SCS	EP	12 39 56.0				
		DSG	EP	12 40 01.2				
		PNS	IP	12 40 08.7	D			
			S	42 57.2				
		LPB	EL	12 43 00				12.5
		LPZ	EL	12 43 00				
JUL	19	USCGS	15 05 00.2, 26.8S, 70.9W, H = 36 Km, M = 4.8 NEAR COAST OF NORTHERN CHILE					
		TRJ	IP	15 06 52.8	C			
		SCS	P	15 07 22.8	D			
		CCH	IP	15 07 26.6	D			
		DSG	EP	15 07 28.4				
		PNS	IP	15 07 35.8	C			
		LPZ	EL	15 10 00				
		LPB	EL	15 10 00				10.8
JUL	19	PNS	E(P)	16 36 52				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	19	TRJ	IP	17 07 47.1	D			
			IS	08 19.1	C			
		PNS	IP	17 08 30.6	C			
JUL	19	PNS	EP	18 20 22				
JUL	19	PNS	EP	18 35 10.1				
JUL	19	PNS	IP	18 37 41.4	C			
JUL	19	USCGS	20 09 05.6, 7.1N, 126.8E, H = 90 Km, M = 5.4 MINDANAO, PHILIPPINE ISLANDS					
		PNS	EPKP	20 29 01.6				
		LPB	EPKP	20 29 02				161.1
			ESS	52 50				
			EL	21 23 00				
JUL	19	PNS	EP	21 26 00.4				
			S	26 28.5				
JUL	19	PNS	EP	23 13 57.8				
JUL	19	PNS	EP	23 33 45.3				
JUL	20	SCS	IP	01 21 22.3	D			
		CCH	P	01 21 30.7	D			
		DSG	P	01 21 31.0				
		TRJ	EP	01 21 31.0				
		LPB	P	01 21 31.4		0.9	357.0	
		SMB	P	01 21 42.7	D			
JUL	20	LPB	P	02 57 11.5		1.1	41.4	
JUL	20	TRJ	IP	04 54 12.8	C			
			IS	54 42.1	D			
		CCH	P	04 54 40.9	C			
		SMB	P	04 54 43.1	C			
			S	55 37.8				
		SCS	P	04 54 44.6				
		LPB	IP	04 54 54.5		0.8	29.4	
		PNS	IP	04 54 58.7	D			
			S	55 26.5				
JUL	20	DSG	P	05 46 50.1	D			
		PNS	EP	05 46 55	C			
		LPB	IP	05 46 56.8		0.7	48.7	
			(S)	47 41				
JUL	20	SCS	P	05 48 00.5	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	20	PNS	IP	08 18 20.8	C			
JUL	20	PNS	EP	08 50 28				
JUL	20	PNS	EP	09 37 06				
JUL	20	PNS	EP	09 48 53.5				
JUL	20	PNS	EP	10 06 03.5				
JUL	20	USCGS	11 19 47.3, 48.7N, 155.6E, H = 4 Km, M = 5.4 KURILE ISLANDS					
		PNS	EPKP	11 39 00.6				
		LPB	PKP	11 39 06.5		1.0	40.0	1323
			EL	12 24 00				
JUL	20	PNS	EP	11 55 31				
JUL	20	DSG	IP	12 21 15.4	D			
		PNS	IP	12 21 20.5	D			
			I	21 21.5	C			
			(S)	21 45				
		LPB	IP	12 21 21.5		0.8	129.0	
		SCS	IP	12 21 22.1	C			
JUL	20	PNS	IP	12 39 36.5	C			
JUL	20	USCGS	13 18 27.4, 7.5N, 124.3E, H = 45 Km, M = 5.8 MINDANAO, PHILIPPINE ISLANDS					
		TRJ	EPKP	13 38 31.6				
		PNS	E(PKP)	13 38 32				
		LPB	PKP	13 38 32.8		1.0	30.0	164.7
			EL	14 35 00				
JUL	20	USCGS	13 38 30.1, 22.6S, 66.4W, H = 33 Km, M = 4.6 JUJUY PROVINCE, ARGENTINA					
		SCS	IP	13 40 [illegible].8	C			
		CCH	IP	13 40 [illegible]6.8	C			
		DSG	P	13 40 14.8	C			
		LPB	IP	13 [illegible] 16				7.2
		PNS	IP	13 [illegible]0 19.0	C			
			S	[illegible]41 30				
		TRJ	IP	[illegible]3 40 41.4	C			
JUL	20	TRJ	P	14 58 16.5	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	20	PNS	IP	15 13 32.8	C			
			(S)	14 45.5				
JUL	20	USCGS	20 11 42.4, 53.9N, 166.6W, H = 87 Km, M = 5.3 FOX ALEUTIAN ISLANDS					
		LPB	EL	21 03 00				108.4
JUL	20	PNS	EP	20 41 26				
JUL	20	PNS	EP	22 24 44.2				
JUL	20	PNS	EP	22 58 35				
JUL	20	PNS	EP	23 00 17.4				
JUL	20	PNS	EP	23 24 05				
JUL	20	PNS	EP	23 39 02.5				
JUL	20	PNS	EP	23 40 19				
JUL	21	PNS	EP	00 04 18				
JUL	21	PNS	EP	02 17 25				
JUL	21	USCGS	02 51 39, 20.8S, 175.8W, H = 57 Km, M = 5.7 TONGA ISLANDS					
		PNS	EP	03 05 27				
		LPB	EP	03 05 29.0		1.0	20.0	99.0
			S	16 37				
			G	33.3				
			L	38.4				
JUL	21	PNS	EP	02 59 00				
		LPB	EP	02 59 05				
JUL	21	SMB	P	03 48 59.2	C			
JUL	21	PNS	EP	03 50 01				
			S	51 11.3				
JUL	21	PNS	EP	04 43 13.5				
			S	43 43.0				
		LPB	P	04 43 17.5		1.0	25.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	21	PNS	EP	05 05 15.5				
			S	06 11.7				
JUL	21	SMB	P	05 21 45.6	C			
JUL	21	PNS	EP	09 13 03.5				
JUL	21	SMB	IP	09 59 30.6	C			
		PNS	EP	10 00 33.4				
			S	01 27.0				
		LPB	EP	10 00 38				
			S	01 30				
JUL	21	LPB	EP	10 29 29				
		PNS	IP	10 29 33.2	D			
JUL	21	SMB	P	10 57 29.6	C			
		PNS	EP	10 58 32.4				
			S	59 27.8				
		LPB	EP	10 58 35				
			S	59 29				
JUL	21	PNS	E(P)	11 28 40				
JUL	21	PNS	IP	14 47 03.8	D			
JUL	21	TRJ	P	16 06 48.5	D			
JUL	21	PNS	EP	16 43 17.5				
JUL	21	USCGS	17 52 30.5, 53.3N, 170.4E, H = 26 Km, M = 5.7					
		ALEUTIAN NEAR ISLANDS						
		TRJ	PKP	18 11 36.4	D			
		LPB	EL	18 47 00				121.7
JUL	21	TRJ	IP	18 12 21.1	D			
		PNS	EP	18 13 27				
JUL	21	PNS	EP	18 21 17				
JUL	21	TRJ	IP	20 15 42.4	D			
		SCS	EP	20 15 58.1				
		PNS	EP	20 16 08.5				
			S	16 34				
JUL	21	PNS	EP	20 37 10.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	21	TRJ	IP	21 17 28.1	D			
			S	17 58.7	D			
JUL	21	PNS	EP	21 50 18.7	C			
			S	50 45.7				
JUL	22	SCS	P	01 11 52.0				
		PNS	IP	01 11 54.7	C			
			S	12 19.8				
JUL	22	PNS	EP	01 29 53.5				
			S	30 16.1				
JUL	22	PNS	IP	03 41 36.9	C			
			S	42 10				
		SCS	P	03 41 49.4	C			
JUL	22	DSG	IP	04 36 05.8	D			
		SCS	IP	04 36 10.3				
		PNS	IP	04 36 12.5	C			
			(S)	36 38				
		CCH	IP	04 36 16.5	C			
JUL	22	PNS	EP	05 02 48				
			S	03 36.2				
JUL	22	PNS	EP	07 58 22.5				
JUL	22	PNS	EP	08 09 16				
			S	09 38				
JUL	22	TRJ	P	08 18 50.1	D			
JUL	22	SCS	IP	09 01 04.2	D			
		PNS	EP	09 01 16				
			S	01 53				
JUL	22	PNS	EP	09 24 48				
JUL	22	PNS	IP	10 01 06.3	C			
JUL	22	PNS	EP	11 01 32.3				
JUL	22	PNS	EP	11 05 17.8				
JUL	22	SCS	IP	11 30 39.9	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	22	PNS	EP	12 23 32				
JUL	22	PNS	EP	12 32 36				
			S	33 19				
JUL	22	TRJ	EP	12 57 35.3				
JUL	22	PNS	EP	16 20 06.8				
JUL	22	PNS	EP	16 38 56				
JUL	22	PNS	EP	17 31 10.5				
JUL	22	PNS	EP	18 27 27				
JUL	22	PNS	IP	18 45 40.0	C			
			(S)	46 15				
		TRJ	IP	18 45 51.4	D			
JUL	22	PNS	EP	20 22 43				
JUL	22	PNS	IP	21 29 52.1	D			
			(S)	30 20				
JUL	22	PNS	EP	22 09 25				
			S	09 59.2				
JUL	22	PNS	EP	22 38 47				
JUL	23	USCGS	00 58 55.5, 21.4S, 71.0W, H = 43 Km, M = 4.3					
		OFF COAST OF NORTHERN CHILE						
		SCS	IP	01 00 07.2	D			
		TRJ	P	01 00 08.6	D			
		PNS	EP	01 00 15.8				
			S	01 27.7				
		LPZ	EP	01 00 19				
			S	01 [illegible]				
		LPB	EP	01 00 19				4.9
			S	01 17				
		CCH	(P)	01 00 19.6	D			
		SMB	P	01 00 31.9	C			
JUL	23	SCS	P	02 42 48.6	D			
		PNS	EP	02 43 01.7				
JUL	23	PNS	EP	02 49 16.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	23	PNS	IP	02 51 59.0				
			S	52 21.6				
JUL	23	USCGS	05 01 41.2, 55.9S, 27.7W, H = 125 Km, M = 4.7					
		SOUTH SANDWICH ISLANDS REGION						
		TRJ	P	05 09 38.9	C			
		CCH	EP	05 10 14.1				
		PNS	EP	05 10 27.6				
JUL	23	PNS	IP	07 56 16.1	D			
JUL	23	PNS	EP	10 49 16.5				
JUL	23	USCGS	11 32 22, 35.4S, 70.9W, H = 92 Km, M = 4.5					
		CHILE-ARGENTINA BORDER REGION						
		SCS	P	11 36 32.2	D			
		PNS	EP	11 36 41				
JUL	23	PNS	EP	11 44 36				
JUL	23	PNS	EP	13 17 10.4				
JUL	23	TRJ	P	14 53 57.4				
			S	54 30.4				
		PNS	IP	14 54 25.9	D			
			S	55 20				
JUL	23	SCS	EP	15 16 43.7				
		TRJ	EP	15 17 38.7				
JUL	23	PNS	EP	15 40 13.5				
			S	41 17.5				
JUL	23	PNS	IP	15 56 58.3	C			
			S	57 22.5				
JUL	23	SCS	P	16 27 09.6	D			
		PNS	EP	16 27 21.5				
			IP	27 23.1	D			
			(S)	28 28.5				
		TRJ	IP	16 27 56.4	C			
JUL	23	PNS	EP	17 11 11.5				
			S	11 38.6				
		SCS	P	17 11 19.4	D			
		TRJ	P	17 11 47.7	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	23	SCS	EP	18 28 41.9				
		PNS	EP	18 29 16.3				
			S	29 41.2				
JUL	23	PNS	EP	19 48 39				
JUL	23	TRJ	P	22 18 22.1	D			
			IS	18 53.1	C			
JUL	23	USCGS 23 21 26, 39.1S, 85.5W, H = 33 Km, M = 4.9 WEST CHILE RISE						
		LPB	P	23 27 08.5		1.0	26.0	27.4
			L	35.0				
		PNS	EP	23 27 09.8				
			S	30 15.5				
JUL	24	PNS	EP	00 25 23.7				
			S	25 45.5				
JUL	24	PNS	EP	00 27 00				
			S	27 29.5				
JUL	24	PNS	EP	03 16 56				
			S	17 20.7				
JUL	24	SCS	IP	03 59 26.2	C			
		LPB	IP	03 59 27.2		1.0	90.0	
		PNS	IP	03 59 27.6	C			
			S	04 00 01.0				
		CCH	P	03 59 44.0	C			
JUL	24	PNS	EP	04 52 32.3				
			S	53 22.2				
		LPB	EP	04 52 34				
			S	53 34				
JUL	24	PNS	IP	07 49 21.7	C			
JUL	24	LPB	P	08 24 46				
			S	25 15.6				
		PNS	EP	08 24 46.7				
			S	25 16.2				
JUL	24	PNS	EP	08 55 36.5				
JUL	24	PNS	IP	09 17 25.0	D			
			S	17 47.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	24	CCH	P	10 08 31.5				
		PNS	EP	10 09 08				
			S	09 39				
		LPB	EP	10 09 57				
JUL	24	PNS	EP	10 11 15				
JUL	24	SCS	EP	12 07 03.8				
		PNS	EP	12 07 06.5				
JUL	24	PNS	EP	12 19 54				
JUL	24	PNS	EP	16 39 13.5				
JUL	24	PNS	E(P)	18 14 36.5				
JUL	24	PNS	IP	19 47 04.2	C			
JUL	24	USCGS 23 19 15.2, 21.4S, 69.4W, H = 117 Km, M = 4.3 NORTHERN CHILE						
		TRJ	IP	23 20 16.3	C			
			IS	21 02.3	C			
		SCS	IP	23 20 20.9	D			
		CCH	IP	23 20 28.4	C			
		LPB	P	23 20 30.6				5.2
			S	21 24				
		PNS	IP	23 20 33.1	C			
			(S)	21 20				
JUL	25	LPB	EP	00 07 26				
		PNS	EP	00 07 28				
JUL	25	CCH	IP	03 56 28.9	D			
		SCS	IP	03 56 52.0	D			
		LPB	P	03 57 03.5				
			S	57 38				
		PNS	P	03 57 08.3				
			S	57 52.7				
		TRJ	EP	03 57 20.7				
JUL	25	LPB	P	04 00 34			1.5	135.2
			I	01 16.2				
		PNS	EP	04 00 34				
			IP	01 19.2				
			S	04 58				
		CCH	P	04 01 07.8	D			
		SCS	P	04 01 12.3	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	25	USCGS	08 44 22.5, 41.7N, 126.9W, H = 33 Km, M = 5.3					
			OFF COAST NORTH CALIFORNIA					
		PNS	EP	08 56 25				
		LPB	P	08 56 27.5				18.3
			E	09 22 00				
		SCS	P	08 56 32.4	D			
		CCH	EP	08 56 37.3	C			
JUL	25	TRJ	P	09 34 12.1	C			
			S	34 54.2				
		PNS	EP	09 34 39				
			S	35 03				
JUL	25	PNS	EP	09 35 55				
			S	36 33.2				
JUL	25	LPB	EP	11 17 42				
		PNS	IP	11 17 42.6	C			
			S	18 05.0				
JUL	25	LPB	EP	12 12 32				
		PNS	IP	12 12 47.4	D			
			S	13 04				
JUL	25	CCH	IP	12 22 35.6	D			
		SCS	IP	12 22 35.8	D			
		LPB	P	12 22 41				
		PNS	IP	12 22 45.9	D			
			(S)	23 26				
JUL	25	TRJ	EP	13 33 12.0	D			
		LPB	P	13 33 49		1.5	59.8	
			S	41 16				
			L	49.2				
		PNS	EP	13 33 52				
JUL	25	USCGS	13 33 05.2, 41.3N, 146.6E, H = 33 Km, M = 5.9					
			OFF COAST OF HOKKAIDO, JAPAN					
		PNS	EPKP	13 52 28				
			IPKP	52 36.5	D			
		LPB	IPKP	13 52 [illegible]1.0	C	1.0	40.0	141.5
			SS	14 13 15				
			EL	4[illegible]6				
		SCS	PKP	13 [illegible]2 31.7	D			
		TRJ	IPKP	13 52 45.7	D			
JUL	25	LPB	EP	14 53 12				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	25	LPB	P	20 14 50				
			S	15 08				
		TRJ	P	20 15 18.6				
			IS	16 02.2	C			
		CCH	P	20 15 43.4				
		PNS	EP	20 15 50				
JUL	25	USCGS	21 46 45.3, 51.4N, 176.9E, H = 37 Km, M = 5.7					
			RAT ALEUTIAN ISLANDS					
		LPB	EPKP	22 05 30				119.3
			SS	23 08				
			EL	43 00				
		PNS	EPKP	22 05 34.5				
JUL	25	PNS	EP	23 10 25.5				
JUL	25	PNS	EP	23 43 46.8				
			S	43 56.6				
		LPB	EP	23 43 54				
			ES	43 55				
JUL	26	PNS	IP	00 33 30.0	C			
			S	34 13.8				
		LPB	P	00 33 35.1		1.0	18.0	
		SCS	P	00 33 44.0	D			
		CCH	P	00 34 01.4	D			
JUL	26	SCS	P	01 29 42.7	C			
		LPB	IP	01 29 44.5	D	0.8	32.3	
			S	30 09.7				
		PNS	IP	01 29 44.8	C			
			S	30 10				
		CCH	EP	01 30 01.5				
JUL	26	SCS	IP	03 13 46.5	D			
		LPB	IP	03 13 50.5		0.6	16.0	
			S	14 20.5				
		PNS	IP	03 13 51.4	D			
			S	14 21.0	C			
		CCH	IP	03 14 04.1	C			
		TRJ	P	03 14 30.9	D			
JUL	26	PNS	EP	04 17 53.7				
JUL	26	PNS	EP	06 16 33.5				
JUL	26	TRJ	EP	07 42 09.6	D			
		CCH	EP	07 42 24.3				
JUL	26	TRJ	EP	07 56 06.6				
			IS	57 37.1	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	26	USCGS	11 01 22, 7.4N, 72.9W, H = 170 Km, M = 4.8					
		NORTHERN COLOMBIA						
		LPB	EP	11 06 10				23.9
			EL	14 00				
		PNS	EP	11 06 14.7				
			S	06 47.7				
JUL	26	PNS	EP	11 18 09.2				
			S	18 39.9				
JUL	26	CCH	IP	11 53 33.2	D			
		PNS	EP	11 54 13.2				
			S	54 45.5				
JUL	26	TRJ	EP	15 25 09.0				
JUL	26	PNS	EP	15 38 50				
			S	39 37.7				
JUL	26	TRJ	IP	15 45 29.6	D			
JUL	26	USCGS	16 17 49.9, 29.8N, 138.7E, H = 402 Km, M = 4.8					
		SOUTH OF HONSHU, JAPAN						
		LPB	EPKP	16 36 55				152.0
			EL	17 30 00				
		PNS	PKP	16 37 01.0	C			
JUL	26	LPB	EP	16 38 40				151.0
		PNS	EP	16 38 40				
			S	39 02				
JUL	26	TRJ	IP	18 04 33.4	C			
JUL	26	USCGS	18 23 00.8, 8.3N, 39.0W, H = 33 Km, M = 4.6					
		CENTRAL MID ATLANTIC RIDGE						
		LPB	P	18 30 17.5		1.3	81.3	40.0
			S	36 15				
			EL	47 5				
		PNS	EP	18 [illegible] 19.0				
JUL	26	PNS	P	[illegible]9 28 17.6	C			
			S	28 39.3				
JUL	26	PNS	P	20 22 18.9				
			S	22 41				
		LPB	[illegible]	20 22 20				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	26	USCGS	20 25 35, 22.7S, 64.7W, H = 131 Km, M = 4.0					
		NORTHERN CHILE						
		TRJ	IP	20 26 32.8	C			
		CCH	EP	20 26 57.1				
		LPB	P	20 27 00				6.3
			I	27 32.5				
		PNS	IP	20 27 03.1	C			
			IPP	27 35.4	C			
			S	28 17.7				
JUL	26	PNS	EP	20 59 44				
JUL	26	LPB	EP	21 51 20				
			S	52 47				
JUL	27	LPB	EP	00 18 21				
		PNS	EP	00 18 21.6				
			S	18 52.7				
JUL	27	USCGS	01 15 23, 21.2S, 62.9W, H = 255 Km, M = 4.1					
		SOUTHERN BOLIVIA						
		TRJ	IP	01 16 29.6	D			
		CCH	P	01 16 45.2	C			
		SCS	IP	01 16 58.5	D			
		LPB	IP	01 17 02		0.9	25.5	7.2
			S	18 03				
		PNS	IP	01 17 06.7	C			
			S	18 13.9				
JUL	27	TRJ	IP	01 36 45.4	D			
			S	37 16.0	C			
JUL	27	PNS	IP	02 52 37.4	C			
			S	52 59.9				
		LPB	EP	02 52 38				
JUL	27	TRJ	P	04 03 34.8	D			
JUL	27	TRJ	P	04 21 55.6	C			
JUL	27	TRJ	EP	04 26 31.1				
JUL	27	PNS	EP	04 46 35.5				
			S	46 58.5				
		LPB	EP	04 46 37				
JUL	27	PNS	IP	04 54 08.9	C			
			S	54 21.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	27	LPB	EP	06 04 51				
		PNS	EP	06 04 53				
			S	05 39.8				
JUL	27	PNS	IP	06 22 38.0	D			
JUL	27	TRJ	P	06 27 07.2	D			
JUL	27	USCGS	07 54 35.2, 6. N, 126.0E, H = 83 Km, M = 5.2					
		MINDANAO, PHILIPPINE ISLANDS						
		TRJ	EPKP	08 14 29.6				
		LPB	EPKP	08 14 32				164.0
			(PKP2)	15 22				
		PNS	EPKP	08 14 32.3				
			PKP2	15 21.7	C			
JUL	27	PNS	EP	08 21 30.3				
JUL	27	TRJ	P	08 50 09.6	C			
JUL	27	PNS	IP	10 56 57.8	C			
			S	57 22				
JUL	27	USCGS	11 20 27.7, 51.2N, 177.5E, H = 34 Km, M = 5.4					
		RAT ALEUTIAN ISLANDS						
		PNS	E(PKP)	11 39 11.7				
		LPB	EPKP	11 39 12				114.8
JUL	27	PNS	E(P)	11 45 39				
			S	46 31.7				
		LPB	EP	11 45 42				
		SCS	EP	11 45 55.4				
JUL	27	USCGS	12 38 12.5, 55.7S, 27.4W, H = 33 Km, M = 5.3					
		SOUTH SANDWICH ISLANDS REGION						
		TRJ	IP	12 46 18.6	C			
		SCS	IP	12 47 03.6	C			
		LPB	IP	12 47 46		1.2	182.2	49.5
			EL	13 02 30				
		PNS	IP	12 [illegible] 08.7	D			
JUL	27	TPJ	EP	[illegible] 58 59.4	C			
		SCS	P	12 59 33.5	D			
		PNS	EP	12 59 34.2				
			I	59 42.2				
			S	13 01 26				
		LPB	P	12 59 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	27	PNS	EP	13 51 51.7				
		LPB	EP	13 51 54				
JUL	27	PNS	P	15 15 58.5	D			
JUL	27	PNS	EP	15 20 27.1				
JUL	27	USCGS	16 00 13, 59.4N, 137.0W, H = 33 Km, M = 4.2					
		SOUTHEASTERN ALASKA						
		LPB	EP	16 12 51				94.5
		PNS	EP	16 12 51				
JUL	27	PNS	EP	18 49 37				
			(S)	50 32				
JUL	27	PNS	EP	19 48 17.7				
JUL	27	USCGS	21 16 02.9, 40.2N, 139.2E, H = 199 Km, M = 4.8					
		NEAR W. COAST HONSHU, JAPAN						
		PNS	EPKP	21 35 22.5	D			
		LPB	PKP	21 35 24				146.0
JUL	28	TRJ	IP	02 26 23.7	D			
		CCH	P	02 27 09.2	C			
		SCS	P	02 27 14.1	D			
		LPB	IP	02 27 21.6	D	0.8	28.0	
			S	28 43.5				
		PNS	IP	02 27 25.3	C			
			S	28 49.0				
JUL	28	LPB	EP	02 49 22				
		PNS	EP	02 49 30.6				
JUL	28	TPJ	IP	04 04 57.5	D			
JUL	28	PNS	IP	04 05 58.9	C			
			S	06 22.6				
		LPB	EP	04 33 35				
JUL	28	TRJ	P	04 37 11.4	D			
JUL	28	USCGS	05 58 32.7, 36.3N, 138.7E, H = 150 Km, M = 4.5					
		HONSHU, JAPAN						
		LPB	PKP	06 18 05.7		1.0	25.0	
			L	07 08.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	28	USCGS	09 09 39, 30.4S, 66.6W, H = 49 Km, M = 4.3					
		LA RIOJA PROVINCE, ARGENTINA						
		TRJ	EP	09 12 05.7	D			13.6
		LPB	EP	09 13 05				
			EL	17 00				
		PNS	EP	09 13 14.8	D			
JUL	28	TRJ	EP	09 09 21.3	C			
		PNS	IP	09 10 22.5				
		LPB	EP	09 10 33				
JUL	28	PNS	IP	11 18 03.2	C			
JUL	28	TRJ	EP	14 10 49.7	C			
JUL	28	SCS	IP	14 28 02.5	D			
		LPB	P	14 28 08.3		0.6	72.0	
			S	28 48				
		PNS	IP	14 28 11.3	D			
			S	28 50.2				
		TRJ	(IP)	14 28 28.6	D			
JUL	28	PNS	EP	15 15 28				
JUL	28	PNS	EP	16 21 59				
JUL	28	PNS	EP	16 40 28				
			IP	40 29.0	C			
		LPB	P	16 40 30				
			I	40 44				
JUL	28	USCGS	18 46 36, 42.2S, 82.8W, H = 33 Km, M = 4.9					
		WEST CHILE RISE						
		LPB	EP	18 52 31				28.6
			L	19 00.5				
		PNS	EP	18 52 36				
JUL	28	USCGS	19 42 48, 15.7S, 73.9W, H = 92 Km, M = 4.1					
		SOUTHERN PERU						
		PNS	IP	19 44 07.5	C			
			S	45 03.3				5.3
		LPB	EP	19 44 11				
			ES	45 05				
JUL	28	TRJ	EP	22 37 41.3	D			
		PNS	ES	22 38 07.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	28	USCGS	22 29 04.9, 2.2S, 101.8E, H = 110 Km, M = 5.8					
		SOUTHERN SUMATRA						
		TRJ	IPKP	22 48 45.3	D			
		CCH	IPKP	22 48 50.6	D			
		LPB	PKP	22 48 52.3		1.1	63.2	160.0
			IPKP	49 28.5				
			EL	23 44 00				
		PNS	IPKP	22 48 53.2	D			
			IPPKP	49 32.0	C			
			PP	53 09.0				
JUL	28	CCH	IP	22 58 07.0	D			
		SCS	IP	22 58 08.8	D			
		LPB	IP	22 58 16.2	C	0.9	80.2	
			S	58 54				
		PNS	IP	22 58 20.4	D			
			IS	59 00				
JUL	29	LPB	EP	05 42 28.4		1.0	10.0	
		PNS	EP	05 42 29.4				
JUL	29	PNS	P	06 58 20.8	D			
			(S)	58 44				
		LPB	EP	06 58 21				
			S	58 45				
JUL	29	PNS	P	07 39 47.0	D			
JUL	29	TRJ	(P)	08 18 06.3				
JUL	29	PNS	EP	08 34 43.5				
			S	35 09.8				
JUL	29	USCGS	08 29 22.1, 51.2N, 171.3W, H = 23 Km, M = 6.6					
		FOX ALEUTIAN ISLANDS						
		PNS	EPKP	08 43 58				
			IPP	48 36.0	C			
			SKS	09 00 44.5				
		LPB	EPKP	08 43 59				111.1
			SKS	50 35				
			SS	09 04 16				
			G	16.8				
			L	22.2				
JUL	29	CCH	EP	08 48 33.7	D			
		SCS	P	08 48 57.8	D			
JUL	29	CCH	IP	09 00 47.5	D			
		SCS	IP	09 00 50.0	D			
		TRJ	EP	09 01 20.0	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	29	TRJ	P	10 11 16.2				
JUL	29	PNS	IP	11 52 26.5	C			
JUL	29	USCGS 12 20 22.7, 51. N, 171.5W, H = 33 Km, M = 5.5 ALEUTIAN ISLANDS REGION						
		LPB	EL	13 13 00				111.1
JUL	29	PNS	IP	12 41 28.7	C			
JUL	29	USCGS 15 08 37, 51.1N, 171.3W, H = 33 Km, M = 5.5 FOX ALEUTIAN ISLANDS						
		LPB	EL	16 02 00				111.2
JUL	29	PNS	IP	16 18 52.0	D			
			S	19 27.3				
		LPB	IP	16 18 56.5	C	0.9	71.4	
			S	19 31.6				
		SCS	IP	16 19 00.9	C			
JUL	29	PNS	P	17 10 59.0	C			
			S	11 25.4				
JUL	29	LPB	EP	17 43 54				
		PNS	EP	17 44 00				
JUL	29	SCS	P	17 45 07.1	D			
JUL	29	PNS	EP	18 22 48				
			S	23 18				
JUL	29	PNS	EP	18 35 17.7				
			S	35 45.0				
JUL	29	PNS	EP	20 22 21.9				
			S	23 05.0				
		LPB	IP	20 22 28.7				
			S	23 20.5				
		SCS	P	20 22 29.3				
JUL	29	PNS	EP	21 20 23.5				
		LPB	EP	21 20 31				
		SCS	EP	21 20 34.2				
JUL	30	PNS	EP	00 58 16.0				
			I	58 30.4				
			S	59 28.5				
		SCS	EP	00 58 17.2				
			EP	00 58 19				
			(S)	59 33				
				52				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	30	PNS	EP	01 56 21				
			(S)	57 22				
		LPB	EP	01 56 30				
JUL	30	PNS	EP	02 10 59				
JUL	30	USCGS 02 11 39, 22.8S, 63.7W, H = 526 Km, M = 4.5 SALTA PROVINCE, ARGENTINA						
		SCS	IP	02 13 26.7	D			
		LPB	IP	02 13 34.2		1.1	592.2	7.2
			IS	15 04.4				
		PNS	IP	02 13 37.7	D			
			IS	15 10.0				
JUL	30	LPB	EP	02 59 38				
			IS	03 00 05				
		PNS	EP	02 59 39	D			
			S	03 00 02.0				
		SCS	P	02 59 40.8	D			
			S	03 00 05.8	D			
JUL	30	PNS	IP	04 27 56.2	C			
		LPB	P	04 27 56.7				
JUL	30	PNS	EP	04 36 16				
JUL	30	PNS	IP	05 18 23.3	C			
			IS	18 47.0				
JUL	30	USCGS 05 45 16.1, 18. S, 70.6W, H = 73 Km, M = 5.5 NEAR COAST OF NORTHERN CHILE						
		PNS	IP	05 46 04.3	D			
		SCS	IP	05 46 05.8	D			
		LPB	IP	05 46 07.1				3.0
			(S)	46 48				
			L	47.1				
JUL	30	PNS	IP	07 23 08				
		LPB	EP	07 23 09				
JUL	30	USCGS 07 20 10.3, 6.7N, 73.0W, H = 174 Km, M = 5.3 NORTHERN COLOMBIA						
		PNS	IP	07 25 04.6	C			
			S	29 06				
			SS	30 02.8				
		LPB	IP	07 25 08.0				23.3
			PP	25 41				
			S	29 10				
			SS	30 07				
			L	31.4				
		SCS	IP	07 25 15.7	D			
				53				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	30	SCS	P	09 41 57.2	C			
		LPB	EP	09 42 04				
			S	42 39				
		PNS	IP	09 42 04.2	C			
			IS	42 40.0				
JUL	30	USCGS	12 11 07, 15.1S, 70.8W, H = 192 Km, M = 4.1					
		SOUTHERN PERU						
		PNS	IP	12 11 52.5	C			
		LPB	IP	12 11 57.5		0.8	451.5	3.6
			S	12 36				
		SCS	IP	12 12 06.0	C			
JUL	30	PNS	IP	12 58 07.1	D			
JUL	30	USCGS	13 35 21, 19.3S, 69.1W, H = 206 Km, M = 3.9					
		NOPTHERN CHILE						
		SCS	P	13 36 01.9	D			
		TRJ	EP	13 36 06.9	C			
		LPB	P	13 36 11		0.9	24.0	3.6
			ES	36 45				
		PNS	IP	13 36 11.1	D			
JUL	30	USCGS	16 32 37, 1.5S, 78.1W, H = 164 Km, M = 4.6					
		ECUADOR						
		LPB	EP	16 36 36				20.6
			ES	45 35				
JUL	30	PNS	IP	18 18 46.3	C			
			IS	19 08.9				
JUL	30	USCGS	18 58 58.8, 24.4S, 67.7W, H = 140 Km, M = 5.3					
		CHILE-ARGENTINA BORDER REGION						
		TRJ	EP	19 00 00.2				8.1
		LPB	P	19 00 53				
			S	02 19				
			EL	03.1				
		PNS	IP	19 00 53.2	D			
			(S)	02 27.7				
JUL	30	PNS	EP	19 13 32.4				
JUL	30	PNS	EP	21 38 17				
JUL	30	USCGS	22 58 45. 16.6S, 69.5W, H = 178 Km, M = 3.9					
		PERU-BOLIVIA BORDER REGION						
		PNS	IP	22 59 14.8	C			1.0
		LPB	IP	22 59 16.4				
			S	59 40				
			EP	23 00 14.7	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	31	PNS	EP	00 33 57				
JUL	31	LPB	EP	01 58 25				
		PNS	IP	01 58 26.2	D			
		TRJ	IP	01 58 54.4	D			
JUL	31	TRJ	IP	03 13 50.7	D			
		PNS	IP	03 14 22.0	C			
		LPB	EP	03 14 23				
JUL	31	USCGS	06 52 18.3, 5.9S, 148.5E. H = 65 Km, M = 4.5					
		NEW BRITAIN REGION						
		PNS	EPKP	07 11 27				
		LPB	EPKP	07 11 31				139.0
			EL	57 00				
		SCS	EPP	07 11 34.6	D			
JUL	31	USCGS	06 59 24, 10.1S, 123.7E. H = 13 Km					
		TIMOR						
		PNS	IPKP	07 19 21	D			
		LPB	PPP	07 19 21.2		1.0	29.0	151
			EL	08 12 00				
		SCS	PKP	07 19 21.5	D			
JUL	31	PNS	EP	07 27 01				
JUL	31	USCGS	07 36 31.5, 35.9N, 142.2E, H = 52 Km, M = 4.8					
		OFF E. COAST HONSHU, JAPAN						
		PNS	EPKP	07 56 10.4	D			
		LPB	EPKP	07 56 11.5		1.1	23.0	146.5
			L	08 46 00				
		SCS	EPKP	07 56 16.5				
JUL	31	PNS	EP	08 15 56				
		LPB	P	08 16 01.0				
			I	16 11.2				
JUL	31	PNS	IP	08 21 06.5	C			
JUL	31	USCGS	10 38 52. 19.3S, 68.8W, H = 190 Km, M = 3.9					
		CHILE-BOLIVIA BORDER REGION						
		TRJ	IP	10 39 29.3	D			
		SCS	(P)	10 39 36.7	D			
		LPB	P	10 39 40.5				3.1
			S	40 38				
		PNS	IP	10 39 48.8	D			
			IS	40 45.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	31	PNS	EP	11 15 52				
			IS	16 23.0				
JUL	31	PNS	IP	11 59 29	C			
		LPB	EP	11 59 32				
JUL	31	PNS	IP	14 52 50.0	D			
JUL	31	TRJ	P	17 37 25.8	C			
JUL	31	TRJ	P	17 46 52.1	C			
JUL	31	USCGS 17 53 57, 7.7S, 129.6E, H = 167 Km, M = BANDA SEA						
		LPB	EPKP	18 13 29				151.0
		PNS	EPKP	18 13 29.1				
JUL	31	LPB	EP	18 05 18		1.0	10.0	
		PNS	EP	18 05 21.8				
			S	05 54.2				
		SCS	EP	18 05 23.4				
JUL	31	PNS	EP	18 21 56				
JUL	31	TRJ	IP	18 44 34.1	D			
		SCS	P	18 44 58.4	C			
		LPB	P	18 45 07.5		1.0	30.0	
		PNS	IP	18 45 11.2	D			
			IS	46 11.7				
JUL	31	TRJ	P	19 03 26.6	D			
		PNS	EP	19 03 42				
		LPB	EP	19 03 54				
JUL	31	USCGS 19 56 36, 32. N, 140.8E, H = 99 Km, M = 4.7 SOUTH OF HONSHU, JAPAN						
		PNS	EPKP	20 15 33.7				144.0
		LPB	EPKP	20 15 35				
JUL	31	PNS	IP	20 16 16.0	D			
		LPB	P	20 16 17.5				
		SCS	P	20 16 20.0				
JUL	31	PNS	EP	20 38 49.7				
			S	39 35				
		LPB	EP	20 38 51				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	31	PNS	EP	21 14 46.5				
		LPB	EP	21 14 50				
JUL	31	PNS	EP	22 12 01.5				
JUL	31	PNS	IP	22 21 33.7	D			
			S	21 56.8				
JUL	31	PNS	EP	23 03 22.2				
JUL	31	PNS	EP	23 06 09				

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AUG	1	LPB	EP	00 16 19				
		PNS	IP	00 16 37	D			
AUG	1	TRJ	P	00 47 42.5	D			
		LPB	EP	00 47 43				
			(S)	48 09				
		PNS	EP	00 47 45.5				
AUG	1	PNS	EP	01 10 07.8				
		LPB	EP	01 10 08				
AUG	1	LPB	EP	02 02 03		1.0	40.0	
		PNS	EP	02 02 05				
			S	02 42.5				
AUG	1	TRJ	(P)	02 19 04.9	C			
AUG	1	USCGS 02 40 04.4, 39.1S, 74.8W, H = 33 Km, M = 4.8 OFF COAST OF CENTRAL CHILE						
		TRJ	EP	02 44 34.1				
		LPB	P	02 45 11.5		1.0	15.0	
			L	49.5				
		PNS	EP	02 45 13.5	D			
AUG	1	USCGS 04 36 41, 4.9S, 80.9W, H = 66 Km, M = 4.0 PERU-ECUADOR BORDER REGION						
		PNS	EP	04 40 32.7				
			IP	40 34.8				
		LPB	EP	04 40 37				17.5
			ES	44 27				
			L	45.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		TRJ	P	04 41 38.8				
		LPZ	EL	04 46 00				
AUG	1	TRJ	P	05 54 59.7				
AUG	1	USCGS	06 13 59.6, 16.5S, 71.4W, H = 91 Km, M = 4.1					
		SOUTHERN PERU						
		PNS	IP	06 14 45.7	D	1.5	56.3	
		LPB	IP	06 14 49.6		1.0	40.0	3.3
			I	15 04.5				
			S	15 31				
		LPZ	ES	06 15 32				
		TRJ	P	06 15 47.1				
AUG	1	TRJ	P	06 55 53.7				
AUG	1	TRJ	IP	08 10 35.5	D			
AUG	1	PNS	EP	08 29 04.5				
AUG	1	PNS	IP	08 30 30.7	C			
			S	31 34				
		LPB	IP	08 30 32.9	D	0.8	23.8	
			IS	30 57				
		TRJ	EP	08 31 33.5				
AUG	1	USCGS	09 19 51.7, 3 N, 125.8E, H = 91 Km, M = 5.4					
		MOLUCCA PASSAGE						
		LPB	PKP	09 39 44.5		1.3	16.8	162.5
			ESS	10 03 07				
			EL	35 00				
		PNS	EPKP	09 39 45				
AUG	1	LPB	EP	10 58 05				
			(S)	11 05 23				
			L	13.9				
		PNS	EP	10 58 12				
AUG	1	TRJ	(P)	11 08 10.1	D			
AUG	1	TRJ	(P)	11 31 55.8				
AUG	1	PNS	EP	13 21 29				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	1	TRJ	IP	15 15 13.7	D			
		LPB	EP	15 15 58		0.9	25.5	
		PNS	EP	15 16 02.0	C	1.9	109.2	
			I	16 08.8	C			
AUG	1	USCGS	15 02 56.1, 46.9N, 143.8E, H = 400 Km, M = 5.7					
		SAKHALIN ISLAND						
		PNS	EPKP	15 21 40				
			PP	24 36.7				
		LPB	EPKP	15 21 40.5				141.0
			PS	26 05				
			SS	43 52				
			L	16 09 00				
		TRJ	EPKP	15 21 50.8				
AUG	1	USCGS	14 14 01, 32.6N, 93.6E, H = 33 Km, M = 5.5					
		TIBET						
		LPB	EL	15 28 00				156.6
AUG	1	PNS	EP	16 00 53				
			IS	01 07				
AUG	1	USCGS	16 41 13.7, 52.7N, 153.4E, H = 462 Km, M = 5.1					
		NORTHWEST OF KURILE ISLANDS						
		PNS	IPKP	16 59 35.0	D	2.0	66.8	
			PP	17 02 16				
		LPB	PKP	16 59 35.7	C	1.0	30.0	131.3
			ESS	17 18 00				
			EL	43 00				
		TRJ	PKP	16 59 37.5				
AUG	1	USCGS	19 27 57.6, 24.6S, 176.8W, H = 33 Km, M = 5.6					
		SOUTH OF FIJI ISLANDS						
		LPB	EP	19 41 42				99.0
			EL	20 16 00				
		PNS	EP	19 41 42				
AUG	1	USCGS	21 09 17.9. 32.6N, 93.3E, H = 32 Km, M = 5.3					
		TIBET						
		PNS	E(PKP)	20 29 17.5				
		LPB	EL	21 20.6				156.6
AUG	1	USCGS	20 34 19.6, 13.3S, 165.8E, H = 28 Km, M = 5.9					
		NEW HEBRIDES ISLANDS						
		LPB	P	20 53 08				127.8
			EL	21 34.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	1	LPB	P	21 51 54		1.0	28.0	
			S	52 41				
		PNS	IP	21 51 58.8	D	1.3	50.0	
AUG	1	PNS	EP	22 49 36.7				
AUG	1	PNS	EP	23 21 14.2		0.9	13.6	
			S	21 36				
AUG	1	USCGS	23 44 28.3, 32.5S, 178.9W, H = 44 Km, M = 5.8					
		SOUTH OF KERMADEC ISLANDS						
		PNS	EP	23 58 02				
			(PP)	00 02 16				97.2
		LPB	P	23 58 13.5				
			PP	00 02 16				
			SKS	08 39				
			L	29.6				
AUG	2	PNS	EP	00 39 35.2				
AUG	2	PNS	EP	01 32 19				
AUG	2	LPB	EP	04 12 52				
		PNS	EP	04 12 56				
AUG	2	PNS	EP	06 23 53				
AUG	2	PNS	IP	06 35 10.8	C			
			S	35 40				
		LPB	IP	06 35 15.0	D			
			S	35 50.5				
		SCS	IP	06 35 22.5	D			
AUG	2	TRJ	EP	06 40 42.8				
AUG	2	PNS	EP	06 56 39.4				
AUG	2	TRJ	IP	08 13 27.8	D			
AUG	2	PNS	IP	08 21 52.5	C	0.9	7.3	
AUG	2	TRJ	P	09 35 52.2				
AUG	2	PNS	EP	09 43 59.2		0.5	3.3	
			S	44 23				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	2	TRJ	P	10 20 01.6	D			
AUG	2	SCS	IP	10 41 07.1	D			
		PNS	IP	10 41 07.3	C			
		LPB	IP	10 41 07.7	D	1.1	26.0	
			IS	41 32				
		TRJ	EP	10 42 00.7				
AUG	2	TRJ	EP	13 05 03.2				
		LPB	EP	13 05 25				
		PNS	EP	13 05 29.3				
AUG	2	USCGS	13 19 54.7, 56.2S, 158.2E, H = 33 Km, M = 7.1					
		MACQUARIE ISLAND REGION						
		TRJ	EP	13 33 17.4	D			
		SCS	EP	13 33 30.3	D			
		PNS	EP	13 33 32				
			E	37 36				
		LPB	P	13 33 34				97.2
			PP	37 34.5				
			SKS	43 33				
			PS	46 32				
			L	14 03.7				
AUG	2	PNS	EP	14 13 26				
AUG	2	USCGS	14 34 21.6, 7.4N, 78.7W, H = 22 Km, M = 5.6					
		PANAMA						
		PNS	EP	14 39 51.3	C	2.0	184.0	
			I	41 39.2				
		LPB	P	14 39 55		1.1	92.0	25.2
			E	46 00				
		TRJ	EP	14 40 42.7	D			
AUG	2	SCS	EP	14 50 03.1	D			
AUG	2	PNS	EP	15 15 37				
AUG	2	USCGS	15 25 59, 7.5N, 78.8W, H = 33 Km, M = 4.1					
		PANAMA						
		PNS	EP	15 31 26				
		LPB	EP	15 31 28				26.0
AUG	2	PNS	EP	16 26 22.8				
		LPB	EP	16 26 24				
AUG	2	PNS	EP	16 37 42				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	2	USCGS PANAMA	16 43 09.4, 7.4N, 78.7W, H = 2 Km, M = 5.4					
		PNS	IP	16 48 41.9	D	2.0	128.7	
			(S)	52 17.7				
			(E)	58 30				
		LPB	IP	16 48 44.7	C	1.2	87.1	25.2
			ES	52 23				
			SS	53 16				
			EL	55.5				
		SCS	P	16 48 53.5	D			
AUG	2	TRJ	EP	17 30 05.4				
AUG	2	PNS	EP	17 58 07.4				
AUG	2	USCGS PANAMA	18 04 56, 7.5N, 78.5W, H = 33 Km, M = 4.8					
		PNS	EP	18 10 25.5		2.0	67.4	
		LPB	P	18 10 29		1.0	18.0	24.5
			S	15 26				
			L	17.3				
		SCS	EP	18 10 37.0	C			
AUG	2	USCGS PANAMA	18 44 22.8, 7.7N, 78.4W, H = 33 Km, M = 5.0					
		PNS	EP	18 49 51.6		1.2	19.5	25.9
		LPB	P	18 49 55				
			EL	56 00				
AUG	2	PNS	EP	19 08 08				
AUG	2	USCGS PANAMA	19 07 57.1, 7.4N, 78.8W, H = 33 Km, M = 5.2					
		PNS	IP	19 13 26.4	D			
			(S)	17 16.8				
		LPB	IP	19 13 30.0		1.2	75.4	25.2
			ES	17 22				
			EL	21 00				
		SCS	P	19 13 36.9	D			
AUG	2	USCGS PANAMA	20 43 30.6, 7.5N, 78.4W, H = 33 Km, M = 4.7					
		PNS	IP	20 48 58.3	D	1.9	146.2	
		LPB	IP	20 49 02.2	D	1.0	45.0	25.0
		SCS	P	20 49 10.2	D			
AUG	2	PNS	P	21 38 13.6	D	1.9	146.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	3	TRJ	EP	01 10 53.8	D			
		SCS	EP	01 11 04.8				
		LPB	IP	01 11 12.7	C			
			S	12 05				
		PNS	IP	01 11 16.6	D	0.5	36.6	
			IS	12 11.3				
AUG	3	USCGS OFF COAST OF NORTHERN PERU	02 01 52.2, 7.7S, 81.3W, H = 49 Km, M = 5.8					
		PNS	IP	02 05 29.0	C	1.5	474.4	
			S	08 35.3				
		LPB	P	02 05 34.5				15.3
			S	08 36				
			L	10.3				
		SCS	IP	02 05 44.4	C			
		TRJ	EP	02 06 38.9	D			
AUG	3	TRJ	(P)	03 19 57.6	D			
AUG	3	TRJ	IP	04 26 26.0	D			
		LPB	EP	04 27 21				
		PNS	P	04 27 25.8	C	0.3	7.8	
AUG	3	PNS	P	06 28 47.7	D	0.4	1.9	
		LPB	EP	06 28 49				
AUG	3	USCGS TSINGHAI PROVINCE, CHINA	07 35 22, 33.3N, 91.1E, H = 44 Km, M = 5.1					
		LPB	EPKP	07 55 14				156.7
		PNS	PKP	07 55 14.6	D	1.2	19.1	
AUG	3	PNS	P	07 57 34.6		0.4	6.7	
AUG	3	PNS	P	08 50 33		1.2	38.2	
		LPB	P	08 50 33.5		1.1	23.0	
		CCH	P	08 50 37.8				
AUG	3	PNS	P	08 56 18.6	C	0.9	12.9	
		LPB	P	08 56 19.5				
AUG	3	PNS	IP	11 27 00	C	0.6	27.7	
			IS	27 23.8				
AUG	3	TRJ	EP	12 36 49.8	C			
		SCS	IP	12 37 34.8	D			
		LPB	P	12 37 44		0.7	35.7	
			(S)	39 07				
		PNS	IP	12 37 48.0	C	0.3	19.3	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	3	PNS	P	13 39 46.6	D	0.6	4.1	
AUG	3	USCGS	13 50 00.3, 34.7N, 139.0E, H = 91 Km, M = 4.6 NEAR S. COAST HONSHU, JAPAN					
		LPB	EP	14 09 41				150
			EL	40 00				
		PNS	EP	14 09 41		1.1	17.5	
AUG	3	USCGS	15 22 59, 18.7N, 106.1W, H = 33 Km, M = 4.2 OFF COAST OF JALISCO, MEXICO					
		PNS	EP	15 31 57				
AUG	3	USCGS	15 41 34, 34.7N, 139.7E, H = 33 Km, M = 4.4 NEAR COAST HONSHU, JAPAN					
		PNS	EPKP	16 01 18.5				148
		LPB	EPKP	16 01 19				
			EL	57 00				
AUG	3	PNS	EP	16 13 15				
AUG	3	TRJ	IP	16 27 05.8	D			
		PNS	EP	16 28 04.1				
AUG	3	TRJ	EP	16 38 26.2	D			
		LPB	P	16 39 05.7				
		PNS	IP	16 39 10.0	D	0.8	21.0	
AUG	3	PNS	P	18 35 18.5	D			
AUG	3	SCS	P	19 52 27.7				
		PNS	EP	19 52 32.5				
			I	52 35.8				
			S	53 17.0				
		LPB	EP	19 52 37				
			S	53 15				
		CCH	(P)	19 54 00.2				
AUG	3	USCGS	19 56 13.2, 7.8N, 78.4W, H = 33 Km, M = 4.5 PANAMA					
		PNS	EP	20 01 43.5				24.3
		LPB	EP	20 01 44				
			ES	04 23				
			EL	08.7				
AUG	3	PNS	EP	20 09 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	3	TRJ	P	20 26 40.9	D			
		PNS	EP	20 27 31				
AUG	3	TRJ	(P)	21 23 34.7				
AUG	3	PNS	EP	21 57 50.3				
		LPB	EP	21 57 54				
AUG	3	TRJ	EP	23 00 28.4	D			
AUG	3	PNS	EP	23 27 12.3				
AUG	4	PNS	P	00 34 21.4	D	0.5	3.1	
AUG	4	USCGS	01 05 53, 16.8N, 94.4W, H = 117 Km, M = 5.2 OAXACA, MEXICO					
		PNS	IP	01 13 31.6	C	1.3	45.2	
		LPB	P	01 13 34.7		1.0	30.0	42.4
			SS	22 27				
			EL	25 00				
		TRJ	EP	01 14 20.6	D			
AUG	4	TRJ	(P)	01 41 16.9				
AUG	4	TRJ	IP	04 38 07.2	D			
		LPB	P	04 39 00.8				
		PNS	IP	04 39 04.9	C	0.7	6.0	
AUG	4	TRJ	IP	05 31 05.5	D			
		PNS	EP	05 32 05.5				
AUG	4	TRJ	P	08 22 29.0				
AUG	4	TRJ	P	09 05 35.2				
AUG	4	CCH	EP	09 20 00.9				
		TRJ	IP	09 20 01.2	D			
		LPB	EP	09 20 05				
		PNS	IP	09 20 18.8	C	1.0	7.8	
			S	20 32.9				
AUG	4	TRJ	P	09 35 58.9				
		PNS	EP	09 36 35.7				
		LPB	EP	09 36 37.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	4	USCGS	12 41 44.7, 5.6S, 130.4E, H = 58 Km, M = 3.9					
		BANDA SEA						
		TRJ	EP	13 01 18.8	D			152
		LPB	EP	13 01 36				
			EL	35 00				
		PNS	EP	13 01 36		1.0	13.6	
AUG	4	PNS	EP	13 10 38.7				
AUG	4	TRJ	IP	14 15 29.5	D			
		PNS	P	14 16 10.0	D	0.6		
AUG	4	PNS	EP	18 10 45.5				
AUG	4	PNS	EP	19 45 57				
			ES	46 25.2				
		LPB	P	19 45 59				
			S	46 28				
AUG	4	PNS	EP	20 08 35.5				
AUG	4	PNS	P	20 16 12.4	D	0.9	6.9	
AUG	4	USCGS	20 11 08.7, 16. N, 98.9W, H = 33 Km, M = 4.3					
		OFF COAST OF GUERRERO, MEXICO						
		PNS	EP	20 19 21.2				44.1
		LPB	EP	20 19 23				
AUG	4	LPB	EP	21 24 57				
		PNS	EP	21 24 57				
AUG	4	PNS	P	21 46 50.6	D	0.6	3.3	
AUG	4	PNS	EP	23 55 11.6				
AUG	5	USCGS	00 07 50.5, 5.3S, 151.7E, H = 47 Km, M = 6.5					
		NEW BRITAIN REGION						
		TRJ	EPKP	00 26 53.0				
		PNS	PKP	00 26 54.5	C	0.2	8.9	
			I	27 10.6	C			
		LPB	PKP	00 26 55.5		0.9	11.9	136
			PKS	30 42				
			SKS	34 43				
			G	01 03.5				
			L	11.0				
		SCS	(PKP)	00 26 59.5				
		LPZ	EL	01 11 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	5	PNS	P	00 38 13.7				
			S	38 42.7				
AUG	5	PNS	IP	01 44 19.4	D	0.7	7.0	
AUG	5	PNS	EP	02 21 17.1				
AUG	5	TRJ	EP	02 52 39.2	D			
AUG	5	PNS	EP	02 56 59				
			S	57 18.5				
AUG	5	USCGS	02 57 55.2, 17.3S, 69.6W, H = 162 Km, M = 4.2					
		PERU-BOLIVIA BORDER REGION						
		SCS	IP	02 58 27.0	C			
		PNS	IP	02 58 27.4	C			
		LPB	IP	02 58 27.7	D	0.7	68.2	1.8
			IS	58 53				
		LPZ	EP	02 58 28				
			I	58 54				
		CCH	P	02 58 44.4				
		TRJ	EP	02 59 17.8	C			
AUG	5	TRJ	P	04 00 36.9				
AUG	5	TRJ	IP	05 11 40.3	D			
		LPB	P	05 11 48.6				
		PNS	IP	05 11 52.7	C			
			S	12 38.5				
AUG	5	LPB	EP	05 13 25				
		PNS	EP	05 13 26.4				
AUG	5	TRJ	P	05 56 31.0	D			
AUG	5	TRJ	P	06 15 07.9				
AUG	5	SCS	IP	06 16 15.2	D			
		LPB	IP	06 16 21.9	C	0.6	462.2	
			ES	17 01				
		PNS	IP	06 16 24.0	D			
			S	17 02				
		TRJ	P	06 16 42.8				
AUG	5	LPB	EP	07 54 25				
		PNS	EP	07 54 26.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	5	PNS	EP	08 51 12				
			S	52 34				
		LPB	EP	08 51 14				
AUG	5	LPB	EP	09 39 08				
		PNS	EP	09 39 12				
AUG	5	TRJ	P	09 49 31.9	D			
AUG	5	TRJ	EP	10 05 07.1				
AUG	5	TRJ	EP	10 07 34.4				
AUG	5	LPB	IP	10 15 10.7	D			
		PNS	IP	10 15 11.2	C	0.4	9.5	
			ES	15 36.3				
AUG	5	USCGS 11 16 07.2, 21.3S, 67.6W, H = 196 Km, M = 3.9 CHILE-BOLIVIA BORDER REGION						
		TRJ	IP	11 16 39.5	D			
		SCS	IP	11 17 12.3	D			
		LPB	IP	11 17 21.2	D	0.7	178.7	4.9
			S	18 17				
		PNS	IP	11 17 25.0	C			
		LPZ	EP	11 17 25				
AUG	5	PNS	EP	12 03 22.3				
AUG	5	TRJ	P	12 25 15.2	D			
AUG	5	PNS	EP	13 42 36				
			S	43 39.5				
AUG	5	SCS	P	13 44 12.7	C			
		LPB	P	13 44 18				
			S	44 52				
		PNS	IP	13 44 19.8	D	0.3	9.9	
			S	44 56				
AUG	5	USCGS 14 27 35, 66.3S, 178.4E, H = 33 Km BALLENY ISLANDS REGION						84.0
		LPB	EP	14 39 54				
			EL	15 07 00				
		PNS	P	14 39 55				
AUG	5	PNS	EP	15 21 22.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	5	TRJ	P	16 26 29.3	D			
AUG	5	PNS	EP	16 38 47		0.7	5.4	
AUG	5	PNS	EP	16 47 10				
AUG	5	PNS	IP	17 01 10.7	C	0.7	7.7	
AUG	5	TRJ	P	18 57 33.2	D			
AUG	5	USCGS 19 05 06, 14.7N, 91.2W, H = 33 Km, M = 4.1 GUATEMALA						
		LPB	EP	19 12 24				41.0
		PNS	EP	19 12 26.6				
AUG	5	USCGS 19 47 44, 65.5S, 179.0E, H = 33 Km, BALLENY ISLANDS REGION						
		TRJ	EP	19 59 53.9	D			
		LPB	EP	20 00 07				85.0
			S	10 36				
			L	26.8				
		PNS	EP	20 00 12.6				
AUG	5	USCGS 19 49 48, 7.8S, 68.1E, H = 33 Km, M = 5.2 CHAGOS ARCHIPELAGO REGION						
		CCH	E(PKP)	20 08 40.1				
		PNS	E(PKP)	20 09 02				
		LPB	EPKP	20 09 04				130.4
			SS	28 42				
			L	51.6				
AUG	5	PNS	P	20 26 51.2	D	0.7	7.7	
AUG	5	SCS	EP	20 57 42.5	D			
		LPB	P	20 57 51	D	0.7	29.2	
		PNS	EP	20 57 53				
			I	57 55.4				
			E(S)	58 36				
		CCH	P	20 57 55.6				
AUG	5	USCGS 21 56 45.2, 23.4S, 65.2W, H = 206 Km, M = 4.5 JUJUY PROVINCE, ARGENTINA						
		TRJ	IP	21 57 37.9				
		SCS	P	21 58 22.4	C			
		LPB	IP	21 58 31.2		0.7	74.7	7.2
			S	59 47				
			EL	22 00.4				
		PNS	IP	21 58 35.2	C	1.0	62.7	
			I	58 55.0				
			(S)	59 53.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	5	PNS	EP	23 39 39.7				
AUG	6	TRJ	P	01 11 48.9	D			
		SCS	P	01 12 09.9	C			
		LPB	P	01 12 18		0.8	21.0	
			S	13 13				
		PNS	IP	01 12 21.8	D	1.3	53.1	
			(S)	13 10				
AUG	6	PNS	EP	01 31 25				
AUG	6	PNS	EP	02 02 58.6				
AUG	6	USCGS	01 58 40.8, 5 S, 19.6W, H = 33 Km, M = 5.1					
		CENTRAL MID ATLANTIC RIDGE						
		TRJ	P	02 07 23.9				
		LPB	P	02 07 37.5	D	0.8	14.0	49.2
			SS	18 26				
			EL	22.6				
		PNS	P	02 07 40.5	C	1.5	33.4	
		LPZ	EL	02 22.8				
AUG	6	TRJ	IP	03 11 59.3	D			
		SCS	P	03 12 10.3	D			
		LPB	P	03 12 19.2				
			S	13 15				
		PNS	EP	03 12 22.5				
			IP	12 23.3				
			ES	13 23				
AUG	6	TRJ	IP	03 52 12.6	D			
AUG	6	PNS	P	04 09 48.2	C	0.5	2.7	
AUG	6	TRJ	P	05 06 33.4	D			
		PNS	EP	05 07 21.1				
AUG	6	PNS	EP	05 53 12.6				
AUG	6	PNS	EP	06 13 35.5				
AUG	6	PNS	EP	07 26 37.5				
AUG	6	PNS	EP	07 37 41.1				
			ES	38 12.3				
AUG	6	TRJ	P	09 31 06.2	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	6	PNS	P	10 00 53.2		0.5	3.2	
			S	01 15.2				
AUG	6	PNS	EP	11 02 52.8				
		LPB	EP	11 02 53				
AUG	6	PNS	EP	14 09 00				
AUG	6	PNS	EP	18 01 49.5				
AUG	6	USCGS	18 15 11.3, 41.4N, 131.2E, H = 560 Km, M = 5.3					
		SEA OF JAPAN						
		PNS	IPKP	18 34 01.0	C	1.3	26.6	
		LPB	EPKP	18 34 01				149.9
			EL	19 27 00				
		SCS	EPKP	18 34 04.3				
AUG	6	PNS	EP	19 49 27.6				
AUG	6	PNS	P	19 50 41		0.3	2.4	
AUG	6	SCS	P	21 42 55.4	C			
AUG	7	TRJ	IP	02 41 16.0	D			
AUG	7	TRJ	IP	03 12 40.4	D			
AUG	7	USCGS	05 26 07.1, 9.1S, 78.8W, H = 62 Km, M = 4.4					
		NEAR COAST OF NORTHERN PERU						
		LPB	EP	05 28 18				8.0
			EL	30.5				
AUG	7	LPB	P	05 29 06.5				
		SCS	EP	05 29 17.3				
		CCH	EP	05 29 38.8				
AUG	7	TRJ	IP	09 31 39.4	D			
AUG	7	USCGS	11 18 36.6, 31.5S, 178.0W, H = 33 Km, M = 4.6					
		KERMADEC ISLANDS						
		LPB	EPKP	11 32 13				97.3
AUG	7	TRJ	IP	11 22 46.7	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	7	TRJ	P	13 14 40.3	D			
AUG	7	TRJ	IP	14 57 44.6	D			
AUG	7	TRJ	IP	15 15 21.0	D			
AUG	7	LPB	EP (S)	19 36 44 38 40				
AUG	8	LPB	EP (S)	01 15 24 19 46				
AUG	8	LPB	EP S	04 52 40 53 46				
AUG	8	USCGS	05 19 26.2, 52.6N, 173.4E, H = 35 Km, M = 5.4 ALEUTIAN NEAR ISLANDS					
		LPB	EPKP EL	05 19 40 06 14 00				112.1
AUG	8	USCGS	06 31 56.9, 20.3S, 68.4W, H = 89 Km, M = 5.3 CHILE-BOLIVIA BORDER REGION					
		SCS	IP	06 32 53.7	C			
		LPB	IP	06 33 03.2	D	0.6	696.0	4.0
			S	33 39				
			SS	33 50				
		TRJ	IP	06 33 04.3	C			
AUG	8	USCGS	06 32 26, 19.8S, 68.5W, H = 53 Km CHILE-BOLIVIA BORDER REGION					
		TRJ	IP	06 33 04.3	C			
		LPB	IP	06 33 20				3.2
AUG	8	USCGS	09 46 29.6, 4.1N, 128.6E, H = 51 Km, M = 5.5 NORTH OF HALMAHERA					
		LPB	EPKP EL	10 46 21 11 01 00				157.1
AUG	8	TRJ	P	10 06 29.2				
AUG	8	TRJ	P	10 38 53.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	8	USCGS	12 13 07.9, 20.1S, 66.5W, H = 216 Km, M = 3.9 SOUTHERN BOLIVIA					
		SCS	IP	12 14 02.2	C			
		LPB	IP	12 14 14.5	D	1.0	260.0	4.4
			IS	15 02				
AUG	8	USCGS	12 49 23.1, 51.9N, 175.3W, H = 53 Km, M = 5.1 ANDREANOF ALEUTIAN ISLANDS					
		LPB	EPKP EL	13 08 31 43 00				113.4
AUG	8	LPB	P (S)	21 18 19.1 19 13.5		1.0	40.0	
AUG	8	LPB	P	23 20 25.7	C			
AUG	8	SCS	IP	23 35 30.2	C			
		LPB	P	23 35 32	C	0.7	35.7	
			(S)	36 13				
AUG	9	LPB	EP	00 15 01				
AUG	9	USCGS	02 34 21.7, 7. S, 123.1E, H = 576 Km, M = 5.5 BANDA SI					
		LPB	EPKP	02 54 51				153.7
AUG	9	TRJ	EP	02 53 12.2	C			
AUG	9	TRJ	P	03 33 31.1	D			
			IS	34 03.7	D			
AUG	9	TRJ	P	04 10 16.6	D			
AUG	9	TRJ	EP	05 13 56.8	C			
AUG	9	TRJ	P	06 36 37.2	C			
AUG	9	USCGS	08 40 29.9, 1.3S, 78.7W, H = 133 Km, M = 5.1 ECUADOR					
		LPB	IP	08 44 36.2	C	0.9	327.2	18.1
			S	47 57				
			EL	49.4				
		SCS	IP	08 44 46.5	C			
		CCH	IP	08 44 55.0	C			
		TRJ	IP	08 45 35.0	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	9	TRJ	P	08 51 00.2	D			
AUG	9	USCGS 09 08 06.8, 5.1S, 11.6W, H = 33 Km, M = 4.8 ASCENSION ISLAND REGION						
		LPB	EP	09 17 49	D			56.8
			(ES)	26 14				
			EL	36 00				
AUG	9	USCGS 10 07 02.3, 5.8S, 104.8E, H = 77 Km, M = 5.3 SOUTHERN SUMATRA						
		TRJ	IPKP	10 26 50.5	D			156.6
		LPB	EL	11 21 00				
		LPZ	EL	11 21 00				
AUG	9	TRJ	P	10 52 53.2				
AUG	9	LPB	P	14 06 41.5		0.9	38.2	
			IS	07 21.0				
AUG	9	TRJ	(IP)	16 00 36.0	D			
AUG	9	TRJ	IP	16 18 14.1	D			
AUG	9	LPB	EP	16 41 24				
			(S)	42 02				
		SCS	EP	16 41 24.6				
AUG	9	TRJ	EP	16 45 45.0	D			
AUG	9	USCGS 16 39 17.4, 6. S, 127.4E, H = 128 Km, M = 5.7 HALMAHERA						
		LPB	EPKP	16 59 04				152.5
			EL	17 52 00				
AUG	9	USCGS 17 26 42.9, 5.7S, 148.5E, H = 130 Km, M = 5.1 NEW BRITAIN REGION						
		LPB	PKP	17 [illegible] 55.5				137.6
			EL	18 30 00				
AUG	9	TRJ	P	17 36 07.9				
AUG	9	SCS	P	20 14 22.2	D			
		LPB	P	20 14 31.7		0.9	46.7	
			S	15 21				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	9	USCGS 23 12 18.4, 28.6S, 71.0W, H = 15 Km, M = 5.3 CENTRAL CHILE						
		TRJ	EP	23 14 34.3				
		LPB	EP	23 15 17.5				12.2
			S	17 26				
			L	18.7				
		CCH	EP	23 15 19.7				
AUG	10	TRJ	P	00 33 47.3	D			
AUG	10	TRJ	P	05 21 20.9				
AUG	10	TRJ	(P)	05 51 25.1				
AUG	10	TRJ	EP	08 19 00.9				
		LPB	EP	08 19 14				
AUG	10	USCGS 08 47 17.9, 15.1S, 172.9W, H = 14 Km, M = 5.0 SAMOA ISLANDS REGION						
		LPB	EP	09 00 56				99.0
			EL	34 00				
AUG	10	TRJ	IP	12 23 37.5	D			
AUG	11	TRJ	IP	02 02 11.3	D			
AUG	11	TRJ	P	02 22 15.6				
AUG	11	TRJ	(P)	03 03 00.4				
AUG	11	TRJ	IP	03 31 36.4	D			
AUG	11	USCGS 03 40 56.2, 15.4S, 166.9E, H = 26 Km, M = 7.0 NEW HEBRIDES ISLANDS						
		LPB	EPKP	03 59 39				117.5
			PP	04 00 52				
			PS	10 26				
			SS	17 00				
			G	30.4				
			L	36.3				
		TRJ	EPKP	03 59 42.0	C			
		SCS	EPKP	03 59 42.3	D			
AUG	11	LPB	EP	04 10 07				
		SCS	P	04 10 08.2	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	11	TRJ	P	07 20 26.3				
AUG	11	TRJ	P	07 24 08.6				
AUG	11	TRJ	EP	07 26 53.0	D			
AUG	11	USCGS 07 18 41.8, 15.6S, 167.2E, H = 12 Km, M = 5.0 NEW HEBRIDES ISLANDS						115.2
		LPB	EPKP	07 37 28				
			SS	54 32				
			EL	08 13.8				
AUG	11	SCS	P	08 06 58.0	D			
		LPB	IP	08 07 01.2	D	0.5	26.0	
			(S)	08 06				
		TRJ	EP	08 07 47.0	D			
AUG	11	TRJ	EP	17 08 06.1	C			
		LPB	EP	17 08 35				
			(S)	09 21				
AUG	11	TRJ	IP	18 16 04.1	D			
			S	16 39.5	D			
		SCS	IP	18 16 12.7	D			
		LPB	IP	18 16 21.5	D	0.7	175.5	
			S	17 08				
AUG	11	USCGS 18 29 40.1, 59.6N, 145.8W, H = 25 Km, M = 5.5 GULF OF ALASKA						97.7
		LPB	SS	19 01 21				
			EL	16 00				
AUG	11	USCGS 19 41 26, 6.9N, 73.0W, H = 156 Km, M = 4.7 NORTHERN COLOMBIA						23.4
		LPB	EP	19 46 22				
			EL	20 07.5				
		SCS	P	19 46 32.7	C			
AUG	11	USCGS 19 47 44, 15.8S, 167.1E, H = 36 Km, M = 5.2 NEW HEBRIDES ISLANDS						115.2
		LPB	PKP	20 06 28				
			PP	07 30				
			SKS	13 23				
			SS	23 15				
			EL	40 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	11	USCGS 20 04 16, 6.8N, 72.9W, H = 171 Km, M = 5.2 NORTHERN COLOMBIA						
		LPB	P	20 09 14.5	D	0.9	34.0	23.4
		SCS	P	20 09 22.0	D			
AUG	11	PNS	EP	22 11 55.5				
AUG	11	TRJ	IP	22 15 45.0	D			
AUG	11	PNS	EP	22 46 56				
AUG	11	USCGS 22 31 48.9, 15.8S, 167.2E, H = 33 Km, M = 7.3 NEW HEBRIDES ISLANDS						
		TRJ	IPKP	22 50 31.3	D			
		LPB	EPKP	22 50 33				116.6
			PP	51 41				
			PS	59 41				
			L	23 27.0				
		PNS	IPKP	22 50 33.9	D			
			PP	55 20.0				
			I	23 01 20				
		SCS	EPKP	22 50 34.7	D			
AUG	11	SCS	P	23 01 01.7	D			
AUG	11	PNS	EP	23 41 18				
AUG	12	USCGS 00 54 03.8, 16. S, 167.2E, H = 28 Km, M = 5.0 NEW HEBRIDES ISLANDS						
		LPB	SS	01 30 06				116.6
			EL	49 00				
AUG	12	USCGS 01 33 35.1, 1.6N, 126.5E, H = 55 Km, M = 5.8 MOLUCCA PASSAGE						
		LPB	PKP	01 53 32.8				151.2
			EL	02 45 00				
		PNS	EPKP	01 53 33.5				
			I	53 56.5				
		TRJ	EPKP	01 53 34.4	D			
AUG	12	PNS	EP	02 17 54.5				
			ES	18 20.7				
AUG	12	TRJ	IP	02 52 03.7	C			
		LPB	EP	02 52 34				
			S	53 51				
		PNS	EP	02 52 46.5		1.3	18.8	
			S	53 39.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	12	TRJ	IP	02 52 03.7	C			
		LPB	EP	02 52 34				
			S	53 51				
		PNS	EP	02 51 46.5		1.3	18.8	
			S	53 39.5				
AUG	12	USCGS	03 57 52, 22.8S, 70.4W, H = 33 Km, M = 4.8					
			NEAR COAST OF NORTHERN CHILE					
		SCS	P	03 59 11.0	D			7.2
		LPB	P	03 59 19.4				
			IPG	59 41.5				
			S	04 00 52				
		TRJ	IP	03 59 19.9	C			
		PNS	IP	03 59 23.4	C	1.0	10.9	
AUG	12	PNS	EP	05 17 18.9				
AUG	12	PNS	EP	05 28 02.3				
AUG	12	USCGS	05 37 22.9, 49.5S, 164.0E, H = 33 Km, M = 5.3					
			AUCKLAND ISLANDS REGION					
		PNS	EP	05 51 10.7				99.5
		LPB	EL	06 24 00				
AUG	12	PNS	IP	07 17 15.9	C	0.2	4.2	
			S	17 38.5				
AUG	12	PNS	EP	08 16 16				
AUG	12	PNS	EP	08 18 21				
AUG	12	USCGS	08 01 43.3, 15.9S, 167.5E, H = 25 Km, M = 6.7					
			NEW HEBRIDES ISLANDS					116.4
		LPB	EPKP	08 20 26				
			L	57.2				
		TRJ	PKP	08 20 27.4				
		PNS	EPKP	08 20 29.2	D			
			E	25 26.8				
AUG	12	TRJ	P	08 30 55.2				
		SCS	EP	08 30 57.4	D			
		LPB	P	08 30 59				
		PNS	E(P)	08 31 00				
			E	33 56.2				
AUG	12	PNS	IP	09 17 20.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	12	PNS	P	09 25 03.5				
			S	25 26				
AUG	12	TRJ	EP	09 30 54.5				
		PNS	EP	09 31 23.9				
AUG	12	PNS	EP	11 45 09				
AUG	12	TRJ	P	12 01 54.5	D			
		PNS	P	12 02 22.0				
			(S)	03 10				
		LPB	EP	12 02 29				
AUG	12	USCGS	12 57 09.7, 5.3S, 152.2E, H = 41 Km, M = 6.6					
			NEW BRITAIN REGION					
		PNS	EPKP	13 16 13.5				
			E	16 30.0				
			IPP	20 20.0				
		LPB	EPKP	13 16 21				134.1
			(PP)	16 40.5				
			PP	19 10				
			PKS	20 16				
			SKS	23 55				
			SS	37 03				
			L	14 01.5				
		TRJ	PKP	13 16 28.0				
AUG	12	USCGS	16 13 21, 29.1S, 69.7W, H = 94 Km, M = 4.5					
			CHILE-ARGENTINA BORDER REGION					
		TRJ	P	16 15 34.3				
		LPB	EP	16 16 23				12.6
		PNS	IP	16 16 31.2	C	1.2	33.6	
AUG	12	LPB	EP	18 15 29				
AUG	12	USCGS	18 04 56.1, 16. S, 167.4E, H = 45 Km, M = 5.3					
			NEW HEBRIDES ISLANDS					
		LPB	PS	18 34 31				116.4
			EL	18 58.7				
AUG	12	LPB	EP	19 57 17				
			S	57 53				
AUG	13	USCGS	00 54 42.7, 4.3S, 81.0W, H = 34 Km, M = 5.1					
			PERU-ECUADOR BORDER REGION					
		LPB	IP	00 58 47.2	D	1.0	315.0	17.1
			S	01 02 08				
			EL	04 00				
		CCH	EP	00 59 09.9				
		TRJ	P	00 59 49.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	13	LPB	IP	01 11 14.0		0.8	133.0	
			S	11 48				
		CCH	EP	01 11 22.7	D			
			ES	11 34.8				
AUG	13	USCGS	01 06 32, 17.6S, 178.4W, H = 514 Km, M = 5.7					
			FIJI ISLANDS REGION					103.5
		LPB	EP	01 19 37				
			ES	29 10				
			EL	48 00				
AUG	13	TRJ	IP	02 12 03.1	D			
AUG	13	TRJ	P	03 26 48.8				
AUG	13	TRJ	EP	01 17.0	D			
AUG	13	LPB	EP	04 36 03				
AUG	13	USCGS	04 18 36.7, 5.6S, 151.6E, H = 60 Km, M = 5.0					
			NEW BRITAIN REGION					135.5
		LPB	EL	05 17 00				
AUG	13	USCGS	04 40 55.3, 15.9S, 167.5E, H = 34 Km, M = 5.7					
			NEW HEBRIDES ISLANDS					116.6
		LPB	EPKP	04 59 38				
			PS	05 10 40				
			L	35.6				
AUG	13	TRJ	EP	05 31 01.3	D			
		CCH	EP	05 31 50.2	D			
AUG	13	TRJ	IP	10 26 39.6	D			
AUG	13	USCGS	11 24 51.8, 16. S, 167.0E, H = 33 Km, M = 5.5					
			NEW HEBRIDES ISLANDS					116.6
		LPB	EPKP	11 43 46				
			ESKS	50 41				
			PS	54 30				
			SS	12 00 00				
			L	19 00				
AUG	13	USCGS	11 58 02, 23.8N, 122.2E, H = 74 Km, M = 5.0					
			TAIWAN REGION					

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	13	USCGS	12 40 08.3, 15.9S, 166.8E, H = 33 Km, M = 7.0					
			NEW HEBRIDES ISLANDS					
		TRJ	PKP	12 58 58.3				
		LPB	EPKP	12 59 13				116.6
			SKS	06 09				
			PS	09 20				
			SS	17 11				
			L	36 00				
AUG	13	TRJ	P	13 09 46.2				
AUG	13	PNS	EP	13 54 43.5				
AUG	13	PNS	EP	13 56 47.7				
AUG	13	PNS	E(P)	14 17 53				
AUG	13	PNS	IP	14 59 29.9	C	2.1	111.0	
AUG	13	TRJ	IP	17 28 55.8	D			
		LPB	P	17 29 45				
AUG	13	LPB	IP	18 03 25.5				
			(S)	03 46				
AUG	13	USCGS	17 56 27.6, 16.6S, 167.6E, H = 39 Km, M = 5.4					
			NEW HEBRIDES ISLANDS					
		LPB	PS	18 26 04				115.6
			SS	32 32				
			L	52.6				
AUG	13	USCGS	19 18 27.9, 16.2S, 167.0E, H = 33 Km, M = 5.2					
			NEW HEBRIDES ISLANDS					
		LPB	EL	20 13 00				115.9
AUG	13	USCGS	21 57 38.7, 6.4S, 148.5E, H = 51 Km, M = 5.2					
			NEW BRITAIN REGION					
		LPB	EPKP	22 16 59				137.3
			PP	20 37				
			ESKS	23 31				
			SS	38 04				
			L	23 02.3				
AUG	14	TRJ	P	02 33 30.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	14	TRJ	EP	02 50 26.8	C			
AUG	14	TRJ	EP	07 10 31.7	D			
AUG	14	TRJ	P	08 07 19.9	C			
AUG	14	TRJ	EP	08 12 09.4				
AUG	14	TRJ	P	08 37 37.0	D			
AUG	14	LPB	IP	10 49 23.0	D			
			S	49 33				
		SCS	P	10 49 36.5	D			
AUG	14	USCGS 11 07 47.1, 15.8S, 166.8E, H = 33 Km, M = 5.5 NEW HEBRIDES ISLANDS						117.0
		LPB	EPKP	11 26 30				
			EL	12 03 00				
		SCS	PKP	11 26 47.3	C			
AUG	14	SCS	P	11 58 58.7	D			
AUG	14	TRJ	(P)	16 10 37.8				
		SCS	P	16 10 38.1	D			
		LPB	EP	16 10 50				
			S	11 25				
		PNS	EP	16 10 53				
			IP	10 54.2	C			
AUG	14	SCS	IP	16 54 18.2	C			
AUG	14	TRJ	P	18 14 45.4				
AUG	14	PNS	P	18 36 57.3	D	0.4		3.2
			S	37 40.0				
AUG	14	PNS	EP	19 52 19.2		0.3		
		LPB	EP	19 52 43				
AUG	14	PNS	P	20 09 10.8	C	0.6		5.3
			S	09 37				
AUG	14	PNS	P	20 19 10.8	D	0.5		5.6
AUG	14	PNS	E(P)	20 22 11.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	14	PNS	EP	21 10 42.4				
AUG	14	PNS	EP	21 30 14.6				
AUG	14	TRJ	IP	21 47 32.6	D			
		SCS	P	21 48 26.9	C			
		LPB	P	21 48 38	C	0.7	20.8	
			S	50 02				
		PNS	IP	21 48 42.4	C	0.4	20.0	
			ES	50 10				
AUG	14	TRJ	P	22 14 02.7	D			
			S	14 35.4				
AUG	14	PNS	P	23 09 23.3	D	1.6	86.8	
AUG	14	PNS	P	23 15 51.4				
AUG	15	PNS	E(P)	01 08 52				
			E	09 24				
		LPB	P	01 09 21		1.0	23.0	
			S	09 41.5				
AUG	15	TRJ	P	02 38 24.0	C			
		LPB	EP	02 39 24				
		PNS	E(P)	02 39 28				
AUG	15	TRJ	P	04 20 46.5				
AUG	15	PNS	EP	05 12 47				
			S	13 09.5				
AUG	15	USCGS 06 07 28, 37.3N, 89.4W, H = 16 Km, M = 4.5 CAPE GIRARDEAU, MO. REGION						
		LPB	EP	06 18 51.5				59.5
		PNS	EP	06 18 52.5				
AUG	15	PNS	IP	06 24 33.0	D	0.5	21.3	
			S	24 55.6				
		LPB	P	06 24 33.7				
AUG	15	TRJ	EP	06 28 57.8	C			
AUG	15	PNS	EP	07 31 59.2				
AUG	15	LPB	EP	08 13 27				
		PNS	EP	08 13 29.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	15	PNS	IP	08 46 58.0	D	0.7	10.3	
AUG	15	PNS	P	10 04 15.3				
			S	04 36.6				
AUG	15	PNS	EP	12 17 30				
AUG	15	PNS	IP	12 58 34.3	D	0.9	7.3	
			S	58 57.1				
AUG	15	PNS	EP	13 31 14.2		0.7	3.9	
			S	31 45.0				
AUG	15	LPB	EP	16 02 29				
			S	03 19.5				
		SCS	EP	16 02 30.3				
		PNS	P	16 02 43.5				
AUG	15	PNS	EP	16 14 47				
			S	15 16.8				
AUG	15	PNS	IP	16 49 30.8	D	0.6	16.1	
AUG	15	PNS	EP	16 50 28.8				
AUG	15	PNS	IP	17 07 30.9	D			
AUG	15	PNS	EP	17 49 32.8				
AUG	15	PNS	EP	18 05 50.2				
AUG	15	PNS	EP	19 15 46				
AUG	15	USCGS	19 36 55.4, 2.7N, 60.1W, H = 33 Km, M = 4.8					
		BRAZIL						
		PNS	IP	19 41 33.7	D	1.6	217.4	
			ES	45 20				
			I	46 42.2				
		SCS	P	19 41 36.8	D			
		TRJ	IP	19 42 18.3	D			
AUG	16	LPB	IP	04 28 41.6	D	0.8	28.0	
			S	29 08.7				
		PNS	IP	04 28 50.1	D	0.4	35.4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	16	TRJ	EP	04 47 03.7	D			
AUG	16	TRJ	P	05 43 57.4	D			
AUG	16	TRJ	P	08 15 35.3	D			
AUG	16	USCGS	10 10 13, 26.1S, 69.2W, H = 86 Km, M = 4.3					
		NORTHERN CHILE						
		TRJ	IP	10 11 44.5	D			
		LPB	EP	10 12 31				9.9
		PNS	IP	10 12 45.0	D	0.6	6.0	
AUG	16	USCGS	12 16 49.9, 5.2N, 75.5W, H = 15 Km, M = 5.1					
		NEAR WEST COAST OF COLOMBIA						
		PNS	IP	12 21 52.5	C	1.0	67.7	
		LPB	EP	12 21 59		1.2	175.5	22.6
			S	26 08				
			L	27.7				
AUG	16	USCGS	12 19 35.5, 5. N, 77.6W, H = 33 Km, M = 5.3					
		NEAR WEST COAST OF COLOMBIA						
		PNS	IP	12 24 39.0	C	1.0	50.8	
		LPB	P	12 24 42		1.3	140.0	22.5
			EL	12 30.5				
AUG	16	USCGS	12 36 23.3, 6. S, 19.9W, H = 33 Km, M = 6.1					
		CENTRAL MID ATLANTIC RIDGE						
		PNS	P	12 45 14.2		1.1	261,6	
		LPB	P	12 45 18	D	1.5	494.0	48.6
			ES	51 45				
			SS	55 23				
			EL	59.9				
AUG	16	USCGS	14 43 48, 6. S, 153.9E, H = 78 Km, M = 5.4					
		NEW IRELAND REGION						
		LPB	EL	15 44 00				132.5
AUG	16	USCGS	16 37 12.4, 19. S, 167.6E, H = 14 Km, M = 5.0					
		NEW HEBRIDES ISLANDS REGION						
		LPB	EPKP	16 55 13				114.8
			EL	17 30 00				
AUG	16	USCGS	17 51 35.6, 17.3S, 167.7E, H = 22 Km, M = 5.1					
		NEW HEBRIDES ISLANDS						
		LPB	EL	18 45 00				115.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	17	TRJ	IP	02 32 49.1	D			
AUG	17	TRJ	IP	03 40 06.5	D			
AUG	17	TRJ	EP	04 01 25.5	C			
AUG	17	TRJ	IP	04 17 24.8	D			
AUG	17	SCS	IP	04 19 14.7	D			
		TRJ	EP	04 19 17.2		1.0	40.0	
		LPB	P	04 19 23				
			S	20 32				
AUG	17	LPB	EP	04 47 27				
			S	48 17				
		TRJ	IP	04 48 22.7	D			
AUG	17	TRJ	IP	05 04 47.6	D			
AUG	17	USCGS	07 30 29.9, 5.4N, 76.7W, H = 193 Km, M = 3.9					
		COLOMBIA						
		LPB	P	07 35 22.5		1.0	8.0	22.7
AUG	17	USCGS	07 36 17, 12.4N, 125.7E, H = 76 Km, M = 5.0					
		SAMAR, PHILIPPINE ISLANDS						
		TRJ	PKP	07 56 16.9				166.1
		LPB	EPKP	07 56 19				
			EL	08 55 00				
AUG	17	TRJ	P	08 00 45.1				
AUG	17	TRJ	P	10 47 36.1				
AUG	17	USCGS	10 35 04.1, 96.2E, H = 33 Km, M = 5.3					
		NORTHERN SUMATRA						
		TRJ	EPKP	10 54 57.8				161.6
		LPB	EPKP	10 55 04				
			SS	11 18 38				
			EL	50 00				
AUG	17	TRJ	IP	11 24 49.8	D			
AUG	17	USCGS	11 14 10.4, 5.2S, 152.6E, H = 47 Km, M = 5.8					
		NEW BRITAIN REGION						
		LPB	EPKP	11 33 16				133.6
			SKS	40 15				
			EL	12 17 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	17	TRJ	P	11 34 05.5				
AUG	17	USCGS	13 04 30.4, 6.6S, 147.2E, H = 89 Km, M = 5.5					
		EAST NEW GUINEA REGION						
		LPB	EPKP	13 13 29				143.4
AUG	17	TRJ	(P)	13 23 46.5	D			
AUG	17	TRJ	IP	13 46 56.5	D			
AUG	17	USCGS	14 02 19, 15.2N, 92.1W, H = 121 Km, M = 4.9					
		MEXICO-GUATEMALA BORDER REGION						
		LPB	EP	14 09 37				39.3
			SS	18 22				
			L	21.2				
		TRJ	IP	14 10 23.2	D			
AUG	17	TRJ	IP	14 51 02.6	D			
AUG	17	TRJ	EP	15 25 19.1	D			
AUG	17	USCGS	16 17 41.5, 15.2S, 166.6E, H = 19 Km, M = 5.8					
		NEW HEBRIDES ISLANDS						
		LPB	EPKP	16 36 30				117.1
			EL	17 14.2				
AUG	17	LPB	IP	17 24 51.5	D	0.4	82.6	
			S	25 15.5				
AUG	17	LPB	IP	17 34 56.6	D	0.9	80.8	
			S	35 39				
AUG	17	USCGS	20 45 32.7, 21.1S, 69.1W, H = 103 Km, M = 4.8					
		NORTHERN CHILE						
		TRJ	EP	20 46 29.9				
		LPB	IP	20 46 44.6	C	0.7	157.3	4.5
			S	47 30				
			SS	47 39				
		PNS	IP	20 46 47.4	D	0.3	48.3	
AUG	17	USCGS	21 25 52.6, 5.2N, 77.5W, H = 54 Km, M = 4.5					
		NEAR WEST COAST OF COLOMBIA						
		PNS	EP	21 30 52.4	C	1.2	22.4	
		LPB	P	21 30 56		1.5	65.0	23.4
			EL	44 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	17	USCGS	22 18 52.5, 20.4S, 168.8E, H = 33 Km, M = 5.2					
		LOYALTY ISLANDS						112.5
		LPB	EL	23 12 00				
AUG	18	LPB	P	00 04 47.2				
		PNS	IP	00 04 47.3	C	0.4	30.8	
			IS	05 09.0				
		SCS	P	00 04 48.6	D			
AUG	18	USCGS	02 49 31, 2.4N, 95.3W, H = 33 Km, M = 4.3					
		GALAPAGOS ISLANDS REGION						32.5
		LPB	EL	03 05.5				
AUG	19	PNS	EP	06 23 47.6				
			S	24 36.7		0.9	9.3	
		LPB	P	06 23 52.7				
			S	24 34				
		SCS	EP	06 23 54.6				
AUG	18	USCGS	07 20 03, 1.9S, 78.2W, H = 266 Km, M = 3.5					
		ECUADOR						17.1
		PNS	EP	07 24 00				
		LPB	EL	07 28 00				
AUG	18	USCGS	10 01 48.1, 37.9S, 73.6W, H = 33 Km, M = 4.7					
		NEAR COAST OF CENTRAL CHILE						
		TRJ	EP	10 05 58.5	(C)			
		SCS	EP	10 06 40.3		1.0	21.0	21.6
		LPB	P	10 06 41.5				
			S	10 49				
			EL	13 00				
		PNS	IP	10 06 43.0	D	1.2	52.2	
AUG	18	PNS	EP	11 32 56.9				
AUG	18	USCGS	14 14 28.6, 23.3S, 175.3W, H = 20 Km, M = 5.0					
		TONGA ISLANDS REGION						98.1
		LPB	SSS	14 49 38				
			EL	15 03 00				
AUG	18	USCGS	14 51 29.3, 16. S, 167.0E, H = 5 Km, M = 5.8					
		NEW HEBRIDES ISLANDS						116.6
		LPB	L	15 46.8				
AUG	18	LPB	EP	22 41 11				
		PNS	EP	22 41 12.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	18	PNS	EP	23 32 42.5				
AUG	19	TRJ	EP	00 26 46.0				
		CCH	P	00 27 28.7				
		LPB	EP	00 27 29				
			(S)	31 30				
			EL	36 00				
		PNS	EP	00 27 34.2				
AUG	19	PNS	EP	01 08 36.7				
		LPB	P	01 08 38				
			S	09 16				
AUG	19	LPB	EP	02 01 51				
		PNS	EP	02 01 54				
AUG	19	LPB	EP	04 17 18				
			(S)	17 49				
		PNS	EP	04 17 21.2				
AUG	19	PNS	EP	04 38 21.2		1.6	39.0	
		LPB	P	04 38 24.5		1.0	10.0	
AUG	19	PNS	IP	06 25 12.2	D			
			(S)	25 40				
		LPB	IP	06 25 14.5	D	0.8	49.0	
			(S)	25 39				
		SCS	IP	06 25 18.2	C			
AUG	19	PNS	EP	07 04 28.5				
AUG	19	PNS	EP	08 50 35.7				
		LPB	P	08 50 37.6		1.0	11.0	
AUG	19	LPB	P	10 51 00.9				
			(S)	51 07				
		PNS	P	10 51 12.5	C	0.6	3.2	
AUG	19	PNS	EP	12 16 35.5				
AUG	19	PNS	EP	12 58 47.2				
			S	59 12.5				
AUG	19	PNS	P	13 31 15.5				
AUG	19	TRJ	IP	13 53 20.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	19	PNS	EP	14 09 22				
AUG	19	PNS	EP	14 54 22				
AUG	19	PNS	EP	15 36 20.9				
AUG	19	PNS	EP	15 54 16.6				
AUG	19	PNS	IP	16 11 25.9	C	0.3	3.8	
AUG	19	LPB	EP (S)	16 44 14 45 01				
AUG	19	PNS	IP	17 44 12.2	C	0.3	4.8	
AUG	19	USCGS	18 15 18, 52.1N, 178.2E, H = 142 Km, M = 5.0 RAT ALEUTIAN ISLANDS					
AUG	19	USCGS	19 47 22.6, 30.3N, 138.4E, H = 435 Km, M = 5.2 SOUTH OF HONSHU, JAPAN					
		PNS	IPKP	20 07 09.5	C	1.1	68.3	152.1
		LPB	EL	21 00 00				
AUG	19	PNS	EP	23 06 42.8				
AUG	20	USCGS	05 54 50, 5.7S, 128.6E, H = 326 Km, M = 6.7 BANDA SEA					
		LPB	IPKP	06 14 05.5	D			152.1
			IPPKP	15 41.0				
			PP	17 08				
			SKS	19 20				
			L	07 07.3				
		PNS	IPKP	06 14 05.5	D			
AUG	20	LPB	P	06 53 53				
		PNS	IP	06 53 54.1	C	0.3	4.3	
AUG	20	USCGS	08 31 20, 5.5N, 125.3E, H = 33 Km, M = 5.5 MINDANAO, PHILIPPINE ISLANDS					
		PNS	EPKP	08 51 21.8				162.7
		LPB	EPKP	08 51 28				
			EL	48 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	20	USCGS	09 42 48.5, 19. S, 69.1W, H = 129 Km, M = 6.5 NORTHERN CHILE					
		LPB	IP	09 43 34.0	C			2.7
			S	43 46				
		PNS	IP	09 43 35.0	C			
AUG	20	PNS	IP	10 37 35.8	D	0.3	3.8	
AUG	20	TRJ	IP	13 09 24.3	D			
AUG	20	USCGS	14 57 06.5, 3.5S, 128.0E, H = 34 Km, M = 5.1 CERAM					
		TRJ	EPKP	15 17 03.3	D			
		LPB	EPKP	15 17 07				154.5
		PNS	EPKP	15 17 08.0				
AUG	20	CCH	EP	16 19 16.9	C			
		LPB	IP	16 19 23.0	D			
		DSG	IP	16 19 25.7	C			
		PNS	IP	16 19 27.2	C	0.3	5.8	
			(S)	20 27				
		TRJ	IP	16 19 27.5	D			
			S	20 09.0				
AUG	20	TRJ	P	16 51 38.9				
AUG	20	TRJ	(P)	17 06 35.4				
AUG	20	TRJ	P	17 23 05.9				
AUG	20	TRJ	(P)	18 34 40.5				
AUG	20	TRJ	P	18 45 06.0				
AUG	20	PNS	EP	19 59 27.2				
AUG	20	TRJ	IP	20 49 40.1	D			
			S	50 47.0				
		LPB	IP	20 50 35.2	D	0.7	71.5	
			S	51 54				
		PNS	IP	20 50 39.5	D	1.6	233.6	
			S	52 02.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	20	USCGS	21 21 50.9, 22.9S, 176.3W, H = 77 Km, M = 5.2					
			SOUTH OF FIJI ISLANDS					
		PNS	EP	21 35 29.5	C			
			IP	35 31.2				
			I	37 31.3		1.1	39.1	99.7
		LPB	P	21 35 31				
			S	46 03				
			SS	53 57				
			EG	22 02 00				
			EL	08 00				
AUG	20	PNS	EP	22 05 54.3				
AUG	20	PNS	EP	22 29 30.5				
AUG	20	DSG	IP	23 33 11.0	D			
			IS	34 35.5	D			
AUG	21	TRJ	EP	03 53 02.2	D			
			S	53 42.0				
		LPB	EP	03 53 24.5				
		PNS	EP	03 53 26.5				
AUG	21	USCGS	05 13 07, 7.8S, 129.4E, H = 200 Km, M = 5.2					
			BANDA SEA					150.3
		LPB	PKP	05 32 28.5				
			PKP2	32 34		1.0	40.5	
		PNS	EPKP	05 32 29.6				
			E	32 35.0				
AUG	21	TRJ	IP	06 10 44.0	D			
			S	11 15.2				
		CCH	EP	06 10 55.8	D			
		LPB	P	06 11 05.5	D			
			S	11 56				
		DSG	IP	06 11 06.9				
		PNS	IP	06 11 07.0	D	0.3	37.8	
AUG	21	TRJ	EP	06 14 04.5				
AUG	21	USCGS	08 05 34.3, 5.2S, 152.3E, H = 33 Km, M = 5.3					
			NEW BRITAIN REGION					134.1
		LPB	EP	08 24 53				
AUG	21	TRJ	P	08 57 08.2				
AUG	21	PNS	EP	09 24 53				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	21	PNS	P	10 19 42.4		0.5	5.0	
AUG	21	LPB	EP	11 35 23				
			S	35 57				
		PNS	EP	11 35 26				
AUG	21	TRJ	IP	14 22 38.8	D			
			S	23 06.6				
AUG	21	PNS	P	14 46 24.5		0.7	3.9	
AUG	21	USCGS	15 04 17.6, 5.9S, 104.2E, H = 33 Km, M = 5.5					
			SOUTHERN SUMATRA					
		TRJ	EPKP	15 24 08.3	C			
		LPB	EPKP	15 24 13				156.5
			EL	16 19 00				
		PNS	EPKP	15 24 13.7				
AUG	21	TRJ	EP	17 20 51.4				
			S	21 15.6				
		PNS	P	17 21 16.7		0.7	3.9	
AUG	21	PNS	IP	19 39 26.2	C	0.3	30.0	
			S	39 56.0				
AUG	21	PNS	P	20 41 04.5				
			S	41 29.3				
AUG	21	SCS	P	23 53 44.8	C			
		LPB	EP	23 53 53				
		PNS	IP	23 53 57.4	C	0.4	10.2	
			S	54 35.9				
AUG	22	LPB	EP	00 19 25				
		PNS	EP	00 19 26.7				
AUG	22	USCGS	03 30 09, 19.4S, 69.8W, H = 33 Km, M = 4.2					
			NORTHERN CHILE					
		SCS	IP	03 31 10.5	D			
		LPB	IP	03 31 15.0				3.6
			S	31 49				
		PNS	P	03 31 15.5	C	0.5	4.2	
			IP	31 17.6				
AUG	22	USCGS	03 48 49, 28. S, 176.2W, H = 33 Km, M = 5.1					
			KERMADEC ISLANDS					
		PNS	E(P)	04 02 20.7				
		LPB	EP	04 02 22				97.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	22	USCGS	04 47 26.8, 33.5S, 179.2W, H = 8 Km, M = 5.0					
		SOUTH OF KERMADEC ISLANDS						
AUG	22	USCGS	10 39 27, 2.3S, 77.0W, H = 169 Km, M = 4.0					
		PERU-ECUADOR BORDER REGION						
		LPB	P	10 43 11.5		1.0	12.0	16.2
AUG	22	USCGS	12 24 22.4, 7.8S, 74.4W, H = 140 Km, M = 4.7					
		PERU-BRAZIL BORDER REGION						
		LPB	P	12 26 52				10.8
			L	30.1				
		SCS	EP	12 27 07.6	D			
AUG	22	PNS	EP	17 20 33				
AUG	22	PNS	EP	18 25 35.7				
AUG	23	USCGS	00 08 11.9, 13.1S, 75.2W, H = 107 Km, M = 4.3					
		PERU						
		PNS	IP	00 09 56.2	D	0.6	12.1	7.6
		LPB	P	00 10 02.5				
			S	12 45				
AUG	23	TRJ	EP	00 48 50.5	D			
			S	49 20.7				
		PNS	IP	00 49 37.7	D	0.3	6.6	
AUG	23	PNS	IP	01 21 44.5	D	0.5	16.2	
		TRJ	EP	01 22 35.8	D			
AUG	23	PNS	P	03 05 35.7	C	0.4	6.0	
AUG	23	PNS	EP	05 39 10.3				
AUG	23	TRJ	P	06 22 36.5				
			S	23 14.4				
AUG	23	SCS	P	07 59 57.6	D			
		TRJ	P	08 00 26.3				
AUG	23	TRJ	P	10 17 18.8				
			(S)	17 26.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	23	PNS	E(P)	12 48 30				
		LPB	EP	12 48 36				
		TRJ	P	12 49 10.3				
AUG	23	PNS	EP	13 58 16.4				
			S	59 49				
		LPB	P	13 58 21.5				
		SCS	P	13 58 34.5	D			
		TRJ	EP	13 59 20.4	D			
			(S)	59 28.3				
AUG	23	USCGS	14 08 58.1, 40.5N, 26.1E, H = 33 Km, M = 5.2					
		TURKEY						
		PNS	EP	14 22 02				
AUG	23	PNS	EP	16 15 00				
AUG	23	PNS	EP	17 19 55				
AUG	23	PNS	IP	18 19 29.0				
AUG	23	PNS	EP	18 43 15				
AUG	23	PNS	P	19 51 50.6				
AUG	23	USCGS	19 46 02.9, 16.3N, 95.8W, H = 29 Km, M = 7.2					
		OAXACA, MEXICO						
		PNS	P	19 53 51.9				
			IP	53 53.7	C			
			IS	20 00 15.4				
		LPZ	P	19 53 58				
			SS	20 03 30				
			L	09.9				
		SCS	P	19 54 04.9	D			
		TRJ	P	19 54 35.5				
			S	54 57.7				
AUG	23	USCGS	22 09 51.4, 5.7S, 151.2E, H = 33 Km, M = 5.3					
		NEW IRELAND REGION						
AUG	23	USCGS	23 12 27.1, 16.2N, 95.5W, H = 33 Km, M = 4.5					
		OAXACA, MEXICO						
		PNS	P	23 20 12.9		1.3	20.8	
AUG	23	USCGS	23 13 47.2, 15.9N, 95.7W, H = 48 Km, M = 4.9					
		NEAR COAST OF OAXACA, MEXICO						
		PNS	EP	23 21 33		1.0	26.6	
		SCS	EP	23 21 44.3	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	24	PNS	P	00 46 58.7	C	0.9	7.3	
AUG	24	USCGS 00 56 21.4, 15.9N, 96.2W, H = 12 Km, M = 5.5 NEAR COAST OF OAXACA, MEXICO						
		PNS	EP	01 04 15.1	C	0.9	17.9	
		SCS	EP	01 04 25.6	D			
		TRJ	EP	01 05 02.9	D			
AUG	24	USCGS 01 01 00.8, 16.2N, 96.2W, H = 31 Km, M = 5.6 OAXACA, MEXICO						
		PNS	IP	01 08 50.3	C	1.0	40.0	
		SCS	P	01 09 01.7	D			
		TRJ	EP	01 09 40.2	C			
AUG	24	TRJ	IP	02 15 27.8	D			
			S	15 55.5				
AUG	24	TRJ	IP	03 06 03.9	D			
AUG	24	PNS	EP	03 18 18.6				
AUG	24	PNS	IP	03 30 03.5	D	0.3	84.3	
			S	30 38.0				
		SCS	P	03 30 05.9	D			
AUG	24	TRJ	IP	04 15 15.7	D			
			S	15 41.8				
		SCS	P	04 15 59.5	C			
		PNS	P	04 16 11.8	C	0.4	5.6	
AUG	24	PNS	P	04 17 34.7	C	0.4	10.7	
			IS	18 10.1				
AUG	24	USCGS 04 48 12, 1. S, 136.5E, H = 33 Km, M = 6.0 WEST NEW GUINEA REGION						
		PNS	PKP	05 08 03				
AUG	24	PNS	P	05 26 44.0		0.3	11.6	
AUG	24	PNS	EP	06 45 55				
AUG	24	USCGS 07 06 50, 21.9S, 177.3W, H = 290 Km, M = 5.7 FIJI ISLANDS REGION						
		PNS	IP	07 20 11.0	D	0.8	14.0	
			I	24 18.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	24	PNS	EP	09 18 54		0.8	7.4	
AUG	24	USCGS 09 50 34.2, 33.7S, 72.0W, H = 54 Km, M = 5.0 NEAR COAST OF CENTRAL CHILE						
		TRJ	EP	09 53 48.1	D			
		SCS	EP	09 54 32.6				
		PNS	P	09 54 38.0	C	0.8	11.2	
AUG	24	PNS	IP	10 29 43.2	D			
			S	30 06.0				
		SCS	P	10 29 47.2	D			
AUG	24	USCGS 13 12 19.4, 59.4N, 145.6W, H = 19 Km, M = 5.4 GULF OF ALASKA						
		PNS	EP	13 26 01				
AUG	24	TRJ	EP	14 22 52.9	D			
		PNS	IP	14 22 53.0	D	0.8	64.3	
		SCS	P	14 22 54.1	D			
AUG	24	PNS	IP	14 51 19.2	D	0.4	4.6	
			IS	51 44.0				
AUG	24	TRJ	P	15 02 52.6				
			(S)	03 09.8				
AUG	24	PNS	IP	15 17 53.8	D	0.4	8.4	
		SCS	P	15 18 09.5	D			
AUG	24	TRJ	EP	15 29 01.9	D			
AUG	24	USCGS 15 46 48.6, 3.7S, 151.3E, H = 33 Km, M = 5.4 NEW IRELAND REGION						
		PNS	EPKP	16 06 11.6				
AUG	24	PNS	IP	16 41 57.8	D	0.5	11.1	
AUG	24	PNS	IP	18 33 06.5	C	0.5	12.8	
			S	33 49				
AUG	24	USCGS 19 26 32.2, 10.8S, 162.4E, H = 76 Km, M = 5.1 SOLOMON ISLANDS						
		PNS	E(PKP)	19 45 41				
AUG	24	PNS	IP	20 29 54.7	C	0.5	8.5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	24	DSG	IP	21 00 03.6				
AUG	24	PNS	P	23 43 37		0.7	7.2	
AUG	25	PNS	EP	00 11 29.3				
AUG	25	PNS	IP IS	02 29 36.5 30 05.6	C	0.3	5.1	
AUG	25	TRJ	EP (S)	02 53 35.0 54 06.2	D			
AUG	25	PNS	P	07 29 08.0		1.0	11.6	
AUG	25	PNS	P	07 50 07.5	D	0.3	6.7	
AUG	25	TRJ	P S	09 15 36.8 16 09.2	D			
AUG	25	TRJ	IP (S)	09 41 17.6 41 55.1				
		CCH	EP	09 41 59.9	D			
		SCS	IP	09 42 05.0	D			
		PNS	IP IS	09 42 17.7 43 32.0	D	0.3	26.4	
AUG	25	SCS	EP	10 35 34.6	D			
		TRJ	P	10 35 40.0	D			
			S	36 27.7		0.7	14.5	
		PNS	EP (S)	10 35 47.4 36 26				
AUG	25	PNS TRJ	P EP	11 06 03.2 11 07 10.2		1.4	86.6	
AUG	25	TRJ PNS	P IP	12 45 30.3 12 46 29.0	D D	0.5	50.0	
AUG	25	USCGS 14 27 39.8, 22.1S, 113.9W, H = 33 Km, M = 4.9 EASTER ISLAND REGION						
		PNS	IP	14 35 44.0	C	0.9	78.1	
AUG	25	USCGS 14 50 36.3, 17.3S, 69.6W, H = 147 Km, M = 4.9 PERU-BOLIVIA BORDER REGION						
		PNS	IP	14 51 04	D			
		LPZ	IP	14 51 13				
			S	51 39				
			IP	14 52 05.3	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	25	PNS	P	16 50 20.2	C	0.2	4.9	
AUG	25	PNS	EP	17 50 06.0				
AUG	25	PNS	IP	19 17 50.3	C	0.7	6.4	
AUG	25	PNS	IP	21 22 06	D	0.2	28.7	
AUG	25	PNS	IP	21 28 36.3		0.4	6.5	
AUG	25	PNS	IP ES	21 53 36.6 54 56	C	0.4	9.3	
AUG	26	PNS	P	08 19 08.0		0.4	5.6	
AUG	26	TRJ	P (S)	08 31 36.8 32 14.1	C			
AUG	26	PNS	EP	10 27 48				
AUG	26	TRJ	EP S	13 48 51.0 49 24.3	D			
		PNS	P	13 49 05.8		0.5	4.5	
AUG	26	PNS	EP	20 41 14.4				
AUG	26	DSG	P	21 58 06.9				
AUG	27	TRJ	IP	03 05 32.8	D			
		PNS	IP	03 06 23.7	C			
AUG	27	TRJ	P	08 49 13.4	D			
AUG	27	TRJ	P (S)	13 43 29.4 44 07.9	D			
AUG	27	TRJ	IP	15 16 33.9	D			
AUG	27	PNS	P	17 15 01.6		1.2	26.4	
AUG	27	PNS	EP	17 36 14.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	27	USCGS KURILE ISLANDS		18 22 02.8, 44.6N, 148.9E, H = 38 Km, M = 5.3				
		PNS	PKP	18 41 26				
AUG	28	PNS	EP	03 53 13				
AUG	28	TRJ	IP S	04 42 18.3 42 48.6	C			
AUG	28	SCS PNS CCH TRJ	IP IP (S) IP IP	05 36 00.9 05 36 09.8 36 36 05 36 11.5 05 36 25.0	C C C D			
AUG	28	PNS	P IS	09 20 21.3 20 48.2	C	0.4	14.2	
AUG	28	TRJ PNS	IP P	10 34 43.7 10 35 42.8	D	0.5	6.2	
AUG	28	PNS	EP	11 00 05				
AUG	28	PNS	EP	16 15 43				
AUG	28	PNS	EP	18 03 51		0.9	10.7	
AUG	28	TRJ	P	19 23 34.3	D			
AUG	28	PNS	EP	20 04 10.8				
AUG	28	PNS	EP	20 09 10				
AUG	28	PNS	EP	20 35 37.4				
AUG	28	PNS	EP	21 43 42.6	D	0.4	3.7	
AUG	28	CCH	P	22 40 45.5	D			
AUG	28	TRJ	P S	22 56 09.8 56 39.7	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	29	USCGS GUATEMALA		01 45 57.3, 14.1N, 90.5W, H = 107 Km, M = 5.0				
		PNS TRJ	IP IP	01 53 01.8 01 53 51.7	C C	1.2	60.6	
AUG	29	USCGS FIJI ISLANDS REGION		08 41 54.8, 21.3S, 179.1W, H = 612 Km, M = 5.0				
		PNS	EP	08 55 34				
AUG	29	USCGS WEST NEW GUINEA		10 31 27.6, 4.2S, 140.2E, H = 33 Km, M = 5.4				
		PNS	IPKP	10 51 16.0	C	0.9	52.4	
AUG	29	USCGS NEW HEBRIDES ISLANDS		12 55 35.5, 15.7S, 167.5E, H = 33 Km, M = 5.7				
		PNS	E(PKP)	13 14 26.4				
AUG	29	TRJ PNS	IP IP S	12 54 04.2 12 54 35.0 55 32.0	C D	0.8	23.8	
AUG	29	USCGS NEW HEBRIDES ISLANDS		12 46 30.1, 15.7S, 167.6E, H = 10 Km, M = 6.0				
		PNS	E(PKP)	13 05 18.4				
AUG	29	PNS	P	14 18 30.4				
AUG	29	SCS PNS	P IP S	15 21 25.0 15 21 34.0 22 08.5	D C			
AUG	29	PNS	P	15 22 31.0	D	0.5	9.6	
AUG	29	PNS	EP	16 17 43.3				
AUG	29	PNS	EP	18 10 22.1		1.0	4.6	
AUG	29	PNS	EP	18 49 50				
AUG	29	USCGS NEW HEBRIDES ISLANDS		18 31 25, 15.7S, 167.6E, H = 18 Km, M = 5.1				
		PNS	E(PKP)	18 50 08.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	29	PNS	EP	21 40 30				
			S	41 39				
AUG	30	USCGS	03 32 02.2, 16.9S, 167.4E, H = 15 Km, M = 5.5					
			NEW HEBRIDES ISLANDS					
		PNS	E(PKP)	03 50 52.8				
AUG	30	TRJ	EP	08 09 22.5	D			
AUG	30	PNS	IP	09 02 31.6	C	0.4	17.8	
			IS	03 58.3				
AUG	30	USCGS	09 28 21, 8.8S, 117.5E, H = 55 Km, M = 5.1					
			SUMBAWA ISLAND REGION					
		PNS	EPKP	09 48 12.5				
		CCH	EPKP	09 48 14.8				
AUG	30	PNS	EP	10 37 17				
AUG	30	USCGS	14 00 55.5, 5.5N, 126.0E, H = 115 Km, M = 5.3					
			MINDANAO, PHILIPPINE ISLANDS					
		PNS	E(PKP)	14 20 50				
AUG	30	USCGS	18 09 43.9, 6.5S, 104.7E, H = 70 Km, M = 6.2					
			SUNDA STRAIT					
		PNS	IPKP	18 29 52.2	C	1.1	18.0	
AUG	30	PNS	EP	23 32 45				
AUG	31	USCGS	03 45 50, 7.9N, 94.0E, H = 25 Km, M = 5.1					
			NICOBAR ISLANDS REGION					
		PNS	EPKP	04 05 51.5				
AUG	31	PNS	P	05 16 25.6	D	0.8	10.3	
AUG	31	USCGS	07 29 47.4, 39.3N, 40.9E, H = 22 Km, M = 5.1					
			TURKEY					
AUG	31	TRJ	EP	07 55 43.9	D			
AUG	31	TRJ	P	08 08 39.8	D			
AUG	31	TRJ	EP	08 24 14.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	31	USCGS	09 12 00.9, 1. N, 27.8W, H = 33 Km, M = 5.0					
			CENTRAL MID ATLANTIC RIDGE					
		CCH	P	09 19 52.3				
		TRJ	EP	09 19 56.5	C			
		PNS	IP	09 20 05.1	C			
AUG	31	TRJ	P	10 59 05.1	D			
		PNS	IP	11 00 18	D	0.4	47.1	
			IS	00 26.3				
AUG	31	PNS	P	11 11 01.6	C	0.5	7.3	
AUG	31	PNS	IP	11 25 07.4	C			
AUG	31	PNS	IP	11 59 04.0	D	1.0	30.6	
AUG	31	PNS	IP	12 00 02.6	D	0.4	54.2	
AUG	31	USCGS	14 47 46, 3.8N, 82.1W, H = 62 Km, M = 4.4					
			SOUTH OF PANAMA					
		PNS	IP	14 52 59.2	C			
AUG	31	USCGS	16 36 35.7, 15.5S, 166.8E, H = 33 Km, M = 5.6					
			NEW HEBRIDES ISLANDS					
		PNS	E(PKP)	16 55 21.8				
AUG	31	PNS	P	19 15 18.6				
AUG	31	PNS	P	19 55 18.6				
AUG	31	USCGS	19 43 14.5, 17. N, 145.2E, H = 339 Km, M = 5.3					
			MARIANA ISLANDS					
		PNS	EPKP	20 02 16.2				
			IPKP	02 22.3	D			
AUG	31	PNS	IP	20 04 21.4	C	0.5	16.9	
			S	05 20.2				
AUG	31	PNS	IP	20 12 03.0	D	0.3	18.4	
AUG	31	TRJ	P	20 14 00.2	D			
			S	14 41.9				

AUGUST 1965

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	31	PNS	P	21 48 20.7	C	0.5	5.0	
AUG	31	USCGS	23 18 07, 13.5N, 92.0W, H = 33 Km, M = 4.7 OFF COAST OF CHIAPAS, MEXICO					
		PNS	IP	23 25 18.0	D	1.0	19.6	

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SEPTEMBER 1965

SEP	1	PNS	P	00 03 36.0	D	1.0	12.9	
SEP	1	PNS	P	01 31 59.9		0.7	10.0	
SEP	1	PNS	EP S	01 41 55.4 42 26				
SEP	1	USCGS	04 29 21.8, 51.3N, 150.6E, H = 537 Km, M = 5.1 SEA OF OKHOTSK					
		PNS	IPKP	04 47 40.5	D	1.7	145.4	
SEP	1	USCGS	04 47 34.9, 34.6S, 179.6E, H = 107 Km, M = 6.2 SOUTH OF KERMADEC ISLANDS					
		PNS	EP	05 01 09.4				
SEP	1	USCGS	06 38 36.2, 14.5S, 167.4E, H = 189 Km, M = 5.6 NEW HEBRIDES ISLANDS					
		PNS	PKP	06 57 02.2		1.0	10.6	
SEP	1	PNS	EP	07 22 09		1.0	14.1	
SEP	1	PNS	EP	08 00 38				
SEP	1	TRJ	IP S	09 14 20.0 15 00.3	C			
		PNS	IP S	09 14 51.7 15 45.0	D	0.8	34.4	
SEP	1	PNS	EP	09 36 47.8				
SEP	1	TRJ	IP	15 35 10.8	D			

SEPTEMBER 1965

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	1	USCGS	20 07 31, 20.2S, 173.8W, H = 106 Km, M = 5.0 TONGA ISLANDS					
SEP	1	PNS	EP (S)	23 17 58.6 18 30				
SEP	1	PNS	IP S	23 36 23.0 36 45.6	D	0.7	97.0	
SEP	1	USCGS	23 52 35.7, 18. S, 178.1W, H = 620 Km, M = 5.2 FIJI ISLANDS REGION					
SEP	2	USCGS	02 08 02.1, 29. N, 112.9W, H = 33 Km, M = 5.2 GULF OF CALIFORNIA					
SEP	2	TRJ	IP S	03 26 23.4 27 07.9	D			
		CCH	IP	03 26 34.1	C			
		PNS	IP S	03 26 44.2 27 06.4	C	1.6	194.0	
SEP	2	USCGS	04 26 37.3, 51.9N, 175.5E, H = 31 Km, M = 5.6 RAT ALEUTIAN ISLANDS					
		PNS	PKP E	04 45 26.5 46 10				
		TRJ	PKP	04 45 37.0	D			
SEP	2	PNS	EP S	07 29 03 29 27				
SEP	2	PNS	EP	09 35 33.2				
SEP	2	PNS	EP IS	10 17 59.4 18 34.0				
SEP	2	PNS	IP S	11 07 58.5 08 50.4	C	1.7	85.3	
SEP	2	PNS	EP (S)	11 30 56.0 31 14				
SEP	2	PNS	EP ES	12 00 30 01 29				
SEP	2	TRJ	IP	15 15 57.8	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	2	USCGS	15 42 15.7, 49.1N, 129.0W, H = 33 Km, M = 4.9					
			VANCOUVER ISLAND REGION					
SEP	2	USCGS	18 01 19.4, 48.3N, 128.4W, H = 33 Km, M = 4.9					
			VANCOUVER ISLAND REGION					
SEP	2	USCGS	19 41 25, 48.3N, 128.4W, H = 33 Km, M = 4.9					
			VANCOUVER ISLAND REGION					
SEP	2	PNS	EP	21 35 10				
			E(S)	39 38				
SEP	2	USCGS	21 27 16, 48.4N, 128.2W, H = 19 Km, M = 5.0					
			VANCOUVER ISLAND REGION					
		PNS	EP	21 39 38				
SEP	2	USCGS	23 09 03.7, 16.3S, 167.2E, H = 19 Km, M = 5.3					
			NEW HEBRIDES ISLANDS					
SEP	3	PNS	P	00 54 19.2		0.4	6.7	
			ES	54 53				
		LPB	EP	00 54 53				
			S	55 12.4				
SEP	3	PNS	EP	02 27 13.3				
			ES	27 38.3				
SEP	3	LPB	EP	03 57 32				
		PNS	EP	03 57 43.8		0.5	2.7	
SEP	3	LPB	IP	04 47 17.8	C	0.8	112.0	
			S	47 51.5				
		PNS	IP	04 47 19.9	C	0.7	41.5	
			(S)	47 57.5				
		CCH	P	04 47 25.4	C			
SEP	3	USCGS	05 42 24.9, 27.6S, 63.0W, H = 581 Km, M = 4.5					
			E. PROVINCE SANTIAGO, ARGENTINA					
		CCH	EP	05 44 48.2				
		LPB	IP	05 45 03.5	D	1.0	62.0	8.9
			S	47 07.5				
		PNS	IP	05 45 07.4	D	1.9	36.3	
			S	47 06.0				
SEP	3	PNS	EP	06 12 54.9				
SEP	3	PNS	IP	06 42 01	D	0.7	3.6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	3	PNS	EP	07 03 03.5				
			(S)	03 38				
		LPB	P	07 03 06.2				
SEP	3	PNS	EP	08 44 59.3				
SEP	3	LPB	EP	08 51 06				
		PNS	EP	08 51 06.7				
SEP	3	USCGS	10 44 30, 20.6S, 69.0W, H = 98 Km, M = 4.5					
			NORTHERN CHILE					
		TRJ	IP	10 45 34.6	C			
		LPB	P	10 45 35.0	C	0.9	182.7	4.3
			S	46 11				
		CCH	P	10 45 35.7				
		PNS	EP	10 45 37.9				
			(S)	46 22	C			
SEP	3	USCGS	14 27 54.9, 28.8S, 67.2W, H = 121 Km, M = 4.2					
			LA RIOJA PROVINCE, ARGENTINA					
		TRJ	IP	14 29 47.4	C			
		LPB	EP	14 30 48				
		PNS	EP	14 30 52.7				7.9
SEP	3	TRJ	IP	14 36 27.4	D			
			S	37 06.9				
		LPB	EP	14 37 24				
		PNS	EP	14 37 27				
			(S)	37 54.8				
SEP	3	LPB	EP	15 37 43				
		PNS	EP	15 37 45.9				
SEP	3	PNS	EP	16 27 15.3				
SEP	3	DSG	P	16 40 50.5	D			
		PNS	EP	16 40 59.6		1.0	10.4	
		LPB	EP	16 41 05				
SEP	3	PNS	P	17 06 09		2.0	116.0	
			E	06 21				
		LPB	EP	17 06 14				
SEP	3	LPB	P	18 06 06		1.0	25.0	
SEP	3	PNS	EP	18 16 28.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	3	PNS	EP	18 49 01.8				
SEP	3	PNS	IP	19 02 38.4	C	0.4	4.0	
			S	03 02.9				
		LPB	EP	19 02 39				
SEP	3	PNS	EP	21 56 35				
			S	56 58				
		LPB	EP	21 56 59				
SEP	3	USCGS	21 38 53.6, 5.2S, 153.7E, H = 54 Km, M = 5.9					
		NEW IRELAND REGION						
		PNS	EPKP	21 58 07				133.0
		LPB	EL	22 42 00				
SEP	3	PNS	EP	22 51 47.8				
SEP	4	PNS	EP	00 02 56				
			IP	03 11.4	D			
			S	03 57				
		DSG	P	00 03 06.5	C			
		LPB	EP	00 03 08		1.0	180.0	
			S	03 51				
		CCH	EP	00 03 13.4				
SEP	4	PNS	EP	00 14 15.3				
SEP	4	PNS	EP	00 43 29				
SEP	4	USCGS	03 25 39.9, 18.7N, 144.8E, H = 218 Km, M = 5.0					
		MARIANA ISLANDS						
		PNS	EPKP	03 45 04				148.7
		LPB	EPKP	03 45 09				
			EL	04 35 00				
SEP	4	PNS	P	03 57 03.8		0.8	7.1	
SEP	4	PNS	P	04 26 38.6				
SEP	4	DSG	P	06 45 54.0	D			
		LPB	EP	06 46 01				
			I(PG)	46 09				
			S	46 56				
		PNS	EP	06 46 02				
			ES	46 56.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	4	PNS	P	06 50 42.3				
			S	51 06				
SEP	4	PNS	EP	07 28 27				
			S	28 50.7				
SEP	4	USCGS	07 48 45.1, 52. N, 170.4W, H = 38 Km, M = 5.2					
		FOX ALEUTIAN ISLANDS						
		LPB	EL	08 43 00				114.0
SEP	4	USCGS	10 19 51.3, 46.6N, 153.5E, H = 27 Km, M = 5.5					
		KURILE ISLANDS						
		PNS	EPKP	10 39 08.5				
		LPB	PKP	10 39 11				129.8
			ESS	59 42				
			EL	11 25.7				
SEP	4	PNS	EP	10 48 36				
			ES	49 15.2				
SEP	4	PNS	P	11 25 58.8	C	0.5	3.9	
SEP	4	PNS	IP	12 43 32.6	D	0.7	8.5	
			S	43 54.9				
SEP	4	PNS	EP	13 34 02				
SEP	4	USCGS	14 32 47.9, 58.2N, 152.6W, H = 19 Km, M = 6.88					
		KODIAK ISLAND REGION						
		PNS	EP	14 46 37.5				
			IPP	51 08				
			ES	57 51				
		LPB	EP	14 46 44				101.3
			PP	50 40				
			SKS	57 14				
			SS	15 05 13				
			EG	15 00				
			L	21.0				
SEP	4	PNS	EP	15 03 02.5				
			ES	03 31				
SEP	4	TRJ	P	15 22 51.4	C			
SEP	4	PNS	E(P)	15 59 20				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	4	PNS	EP	17 06 15.2				
			ES	06 40				
SEP	4	LPB	P	18 18 45				
		PNS	IP	18 18 46.3	D	0.4	54.4	
			S	19 09.3				
SEP	4	PNS	EP	18 47 58				
SEP	4	PNS	EP	19 51 32.5				
			S	52 03				
SEP	4	USCGS 21 37 26.6, 36.1S, 98.8W, H = 33 Km, M = 5.1 SOUTHERN PACIFIC OCEAN						
		PNS	EP	21 41 38.8				29.2
		LPB	EP	21 41 39				
			L	49.5				
SEP	4	USCGS 21 41 18.7, 23.2S, 68.3W, H = 250 Km, M = 4.2 NORTHERN CHILE						
		TRJ	IP	21 41 58.8	D			6.3
		LPB	EP	21 42 56				
			EL	44.6				
		PNS	EP	21 42 58				
			S	43 52.5				
SEP	4	USCGS 22 40 33.2, 21.5S, 66.8W, H = 241 Km, M = 4.4 SOUTHERN BOLIVIA						
		TRJ	IP	22 41 12.4	D			5.4
		LPB	IP	22 41 51.5	D	0.9	59.5	
			S	42 50				
		PNS	IP	22 41 55.9	D	0.5	51.0	
			IS	42 59.0				
		DSG	IP	22 41 56.4	D			
SEP	5	PNS	EP	01 37 00				
			E(S)	37 37.5				
		LPB	EP	01 37 05				
SEP	5	TRJ	IP	01 48 16.9	D			
			S	48 48.5				
		LPB	P	01 48 44.0				
		PNS	IP	01 48 48.0	C	0.9	25.6	
SEP	5	LPB	EP	04 46 30				
		PNS	EP	04 46 30.8				
SEP	5	PNS	EP	05 04 23				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	5	PNS	EP	05 11 05				
			S	11 33				
SEP	5	TRJ	IP	05 20 14.9	D			
			S	20 48.0				
		LPB	EP	05 20 41				
		PNS	EP	05 20 42.5				
SEP	5	PNS	EP	07 44 52.7				
SEP	5	DSG	IP	09 13 16.2	D			
		LPB	EP	09 13 21				
		PNS	IP	09 13 21.5	D	0.5	10.0	
			S	13 47.0				
SEP	5	PNS	P	10 00 56.2		0.5	5.4	
SEP	5	CCH	P	10 44 53.8	C			
		LPB	EP	10 45 30				
		PNS	EP	10 45 36.5				
			S	46 12.8				
SEP	5	USCGS 10 50 52.3, 28.3S, 70.7W, H = 45 Km, M = 4.2 CENTRAL CHILE						
		PNS	EP	10 53 44.5				
		LPB	EP	10 53 46				12.2
SEP	5	PNS	EP	10 52 27.7				
SEP	5	PNS	EP	13 05 51.8				
			ES	06 15				
SEP	5	PNS	EP	13 32 53.8				
			(S)	33 43				
		LPB	EP	13 33 03.5				
SEP	5	PNS	EP	14 31 03.5				
SEP	5	PNS	IP	22 21 57.0		0.3	18.2	
			IS	22 20.0				
SEP	5	PNS	E(P)	22 37 21				
SEP	6	LPB	P	00 30 28.2		0.9	22.1	
			S	31 16.5				
		PNS	IP	00 30 30.3	D	0.4	9.1	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	6	CCH	IP	02 30 55.9	D			
		PNS	EP	02 31 39				
SEP	6	USCGS	03 28 39.1, 21.2N, 121.4E, H = 33 Km, M = 5.2					
		TAIWAN REGION						
		LPB	EPKP	03 38 42				169.5
			EL	04 38 00				
		PNS	EPKP	03 38 51				
SEP	6	TRJ	P	03 55 15.0	C			
SEP	6	TRJ	P	04 11 51.5	C			
			S	12 21.0				
SEP	6	USCGS	04 59 41, 18.7N, 67.5W, H = 33 Km, M = 5.7					
		MONA PASSAGE						
		PNS	EP	05 06 30.4				
SEP	6	TRJ	IP	05 55 53.8	D			
			S	56 27.2				
		LPB	EP	05 56 23				
		PNS	IP	05 56 25.8	D	0.4	5.9	
SEP	6	PNS	EP	06 41 06.7				
SEP	6	TRJ	P	07 13 53.7	D			
			S	14 24.2				
SEP	6	TRJ	IP	08 42 05.1	D			
			S	42 37.7				
		LPB	P	08 42 26.0				
		PNS	IP	08 42 30.0	C	0.4	6.3	
SEP	6	LPB	EP	08 48 07				
			S	48 54.5				
		PNS	EP	08 48 09				
SEP	6	LPB	EP	11 30 55				
		PNS	EP	11 31 05.5				
SEP	6	USCGS	11 42 36.8, 46.6N, 152.7E, H = 33 Km, M = 5.2					
		KURILE ISLANDS						
		LPB	PKP	12 01 55.5				134.9
			EL	46 00				
		PNS	IPKP	12 01 55.5	D	0.5	8.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	6	USCGS	16 25 53.5, 9.3S, 75.9W, H = 32 Km, M = 4.5					
		PERU						
		PNS	EP	16 28 16				
			IS	31 04.5				
		LPB	EP	16 28 25				11.7
SEP	6	TRJ	EP	17 12 03.3				
SEP	6	PNS	P	17 20 49.0		0.5	4.9	
SEP	6	TRJ	P	17 22 25.2				
		PNS	EP	17 23 03				
SEP	6	PNS	EP	18 53 08		1.0	14.2	
SEP	6	PNS	EP	19 36 12.1		1.1	18.2	
SEP	6	USCGS	21 13 30.5, 6.6N, 84.4W, H = 21 Km, M = 5.1					
		OFF COAST OF CENTRAL AMERICA						
		PNS	IP	21 19 20.0	C	1.1	148.9	
		TRJ	(P)	21 20 14.7				
SEP	6	USCGS	22 52 42, 6.7N, 84.3W, H = 28 Km, M = 4.2					
		OFF COAST OF CENTRAL AMERICA						
		PNS	EP	22 58 30				
SEP	6	USCGS	23 20 38, 6.7N, 84.5W, H = 33 Km, M = 4.1					
		OFF COAST OF CENTRAL AMERICA						
		PNS	EP	23 26 23				
SEP	7	TRJ	P	03 04 33.8				
SEP	7	CCH	P	04 12 11.4	C			
		PNS	EP	04 12 48				
			ES	13 09				
SEP	7	PNS	EP	04 43 26				
			E(S)	44 07				
SEP	7	TRJ	EP	05 10 30.3				
SEP	7	PNS	EP	05 25 47.1				
SEP	7	PNS	P	06 24 45.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	7	PNS	EP	06 55 08.5				
			S	56 06.5				
		LPB	EP	06 55 12				
SEP	7	USCGS	06 57 24.8, 24.3N, 142.6E, H = 16 Km, M = 5.2					
		VOLCANO ISLANDS REGION						
		PNS	EPKP	07 17 13.0				
			PKP	17 18.0				149.9
		LPB	EPKP	07 17 13.7				
			I	17 19.7				
			EL	08 08 00				
		LPZ	EPKP	07 17 16				
		TRJ	EPKP	07 17 28.5				
			I	17 35.1				
SEP	7	PNS	EP	07 56 41.8				
SEP	7	PNS	EP	08 22 53.5				
SEP	7	PNS	EP	08 42 34				
			ES	43 28.2				
SEP	7	LPB	P	10 34 40.6	C	1.0	37.0	
		CCH	EP	10 34 41.0				
		PNS	EP	10 34 41.2				
SEP	7	LPZ	EP	10 52 21				
		LPB	EP	10 52 22				
			L	11 01.1				
		PNS	EP	10 52 29				
SEP	7	USCGS	11 14 06.4, 18.5S, 177.3W, H = 391 Km, M = 5.3					
		FIJI ISLANDS REGION						102.0
		LPB	EP	11 27 13				
		PNS	EP	11 27 13				
SEP	7	LPB	EP	16 34 15				
			L	40.4				
		PNS	EP	16 34 15.6				
SEP	7	PNS	EP	16 38 11.5				
SEP	7	TRJ	P	17 24 56.6				
			S	25 25.6				
SEP	7	TRJ	(P)	17 58 31.9				
			(S)	59 31.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	7	PNS	EP	19 36 46				
SEP	7	PNS	EP	21 09 35.3		0.5	3.7	
			ES	10 16.5				
		LPB	EP	21 09 42				
SEP	7	LPB	EP	22 45 59				
		LPZ	IP	22 46 00				
		PNS	IP	22 46 01.2	C	0.3	7.2	
			I	46 07.5				
			ES	46 55				
		DSG	P	02 46 16.3	D			
			S	47 06.8				
		TRJ	(EP)	22 46 17.9				
			S	47 07.7				
SEP	7	PNS	EP	23 01 34				
SEP	8	USCGS	00 26 36.7, 20.3S, 68.9W, H = 124 Km, M = 4.4					
		CHILE-BOLIVIA BORDER REGION						
		DSG	P	00 27 34.3	D			
		LPB	IP	00 27 36	D	1.0	700.0	4.5
			ES	28 12				
		TRJ	EP	00 27 37.0	C			
		LPZ	EP	00 27 37				
		PNS	P	00 27 38.9	C	1.5	295.9	
			S	28 20				
SEP	8	PNS	EP	02 27 54.7				
SEP	8	TRJ	(P)	08 10 28.6				
SEP	8	USCGS	04 10 35.4, 11. S, 73.8W, H = 97 Km, M = 4.3					
		PERU						
		DSG	EP	04 12 19.5				
		PNS	EP	04 12 20.7				
			S	13 29.0				
		LPB	P	04 12 25.7				7.6
			S	13 34				
			L	14.6				
		LPZ	EP	04 12 26				
SEP	8	USCGS	04 39 15.0, 19.3N, 108.0W, H = 33 Km, M = 3.9					
		REVILLA GIGEDO ISLANDS REGION						
		PNS	EP	04 48 27.1				
		LPB	EP	04 48 31				53.8

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	8	DSG	EP	06 59 26.2	C			
		LPB	P	06 59 33				
			S	07 00 13				
		PNS	P	06 59 33.3	C	1.3	30.9	
			S	07 00 00				
		LPZ	EP	06 59 34				
SEP	8	USCGS	07 01 31.8, 19.2N, 145.3E, H = 139 Km, M = 5.4					
		MARIANA ISLANDS						
		PNS	EPKP	07 21 01.6				
			E	21 04.4				148.0
		LPB	PKP	07 21 02				
		LPZ	EPKP	07 21 04				
SEP	8	PNS	EP	07 43 01				
SEP	8	PNS	EP	07 44 14.4				
SEP	8	LPB	EP	08 19 03				
		PNS	EP	08 19 03.4				
SEP	8	USCGS	11 16 34.4, 55.7N, 155.4W, H = 33 Km, M = 5.4					
		SOUTH OF ALASKA						102.0
		LPB	SS	11 49 20				
			EL	12 02 00				
SEP	8	USCGS	11 45 42.1, 27.2S, 176.7W, H = 70 Km, M = 5.2					
		KERMADEC ISLANDS						
		PNS	EP	11 59 12.7				
SEP	8	TRJ	IP	13 04 52.4	D			
			S	05 22.4				
		PNS	P	13 05 33.4	D	0.9	15.5	
SEP	8	TRJ	EP	14 01 59.3	C			
SEP	8	USCGS	14 13 15.4, 15.5S, 166.6E, H = 33 Km, M = 5.1					
		NEW HEBRIDES ISLANDS						
		PNS	EPKP	14 32 03				117.0
		LPB	EPKP	14 32 05				
			EL	15 09 00				
		LPZ	EPKP	14 32 05				
SEP	8	TRJ	(P)	15 43 41.9				
			S	44 24.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	8	DSG	IP	16 53 12.1	C			
		PNS	P	16 53 22.6		1.0	19.1	
			S	54 03.9				
		LPZ	EP	16 53 24				
		LPB	EP	16 53 27				
			S	54 07				
SEP	8	TRJ	IP	17 57 15.3	D			
			(S)	57 52.4				
SEP	8	PNS	P	18 25 14.1				
SEP	8	LPB	EP	19 38 51				
			(S)	39 32.5				
		PNS	EP	19 38 54.7		0.9	9.3	
SEP	8	PNS	P	20 04 28.0	D	0.9	14.5	
			IS	04 56.1				
SEP	8	PNS	P	22 50 21.5		0.7	6.2	
			ES	50 48.3				
		LPB	EP	22 50 22				
SEP	8	LPB	IP	23 27 10.0		0.7	14.3	
		PNS	P	23 27 12.0	D	1.1	18.4	
			S	27 48				
SEP	9	LPZ	EP	00 32 00				
		PNS	P	00 32 01.5		0.6	3.3	
SEP	9	PNS	IP	00 34 07.4	D	0.9	23.9	
			S	34 33.5				
SEP	9	PNS	P	01 40 03.7		0.5	6.0	
			ES	41 28.7				
SEP	9	USCGS	04 39 43.5, 43.5N, 144.0E, H = 33 Km, M = 5.0					
		HOKKAIDO, JAPAN REGION						
		LPB	EPKP	04 59 16				142.0
			EL	05 47 00				
		PNS	EPKP	04 59 16				
		TRJ	PKP	04 59 26.5				
SEP	9	TRJ	IP	05 43 16.0	D			
		PNS	EP	05 43 34.1				
			ES	44 33.5				
SEP	9	TRJ	(P)	05 46 17.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	9	TRJ	EP	06 09 25.3				
			(S)	10 05.2				
		DSG	IP	06 09 39.7	C			
		LPZ	IP	06 09 41				
		LPB	IP	06 09 41.9	C	1.0	45.0	
		PNS	IP	06 09 45.5	C	1.6	273.4	
			IS	10 40.0				
SEP	9	LPB	EP	08 47 21				
		PNS	EP	08 47 25.2				
			ES	47 49.1				
		TRJ	P	08 48 32.8				
SEP	9	PNS	EP	09 42 55				
			ES	43 30				
		LPB	P	09 43 01.0				

SEP 9 USCGS 10 02 25.4, 6.5N, 84.4W, H = 27 Km, M = 6.7
OFF COAST OF CENTRAL AMERICA

DSG	EP	10 08 09.8	C			
PNS	IP	10 08 13.5	C	0.9	57.2	
	S	12 40.0				
LPZ	IP	16 08 16				
	S	12 42				
	ISS	12 44				
LPB	IP	10 08 16.7	C	1.0	130.0	30.7
	ES	12 42				
	ISS	13 44				
	L	15.9				
TRJ	EP	10 09 08.1	C			

SEP 9 PNS EP 11 49 54.5

SEP 9 TRJ	IP	13 04 15.6	D			
	(S)	04 47.7				
LPB	EP	13 04 41				
	ES	05 36				
PNS	P	13 04 45.4		0.6	3.9	
	S	05 41.7				

SEP 9 TRJ P 15 04 50.4

SEP 9 USCGS 15 26 56, 7. N, 84.3W, H = 19 Km
OFF COAST OF CENTRAL AMERICA

PNS	EP	15 32 44.5				31.3
LPB	EP	15 32 47				
SEP 9 TRJ	IP	16 27 34.2	D			
	(S)	28 03.8				
PNS	IP	16 28 15.5	C	0.7	7.0	
	E(S)	29 13				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	9	LPZ	IP	18 09 37.5				
		LPB	IP	18 09 37.5	D	0.7	42.2	
			S	10 08.0				
		PNS	IP	18 09 38.4				
			S	10 10.0				
SEP	9	PNS	E(P)	21 29 21				
			ES	30 52.7				
SEP	9	TRJ	IP	21 59 43.3	D			
SEP	9	TRJ	IP	22 45 20.1	D			
			(S)	45 50.7				
SEP	10	PNS	EP	00 08 57.4				
SEP	10	PNS	EP	00 16 05.7				
SEP	10	TRJ	IP	00 59 43.7	D			
			S	01 00 14.9				
		LPB	IP	01 00 08.2	D	1.0	62.0	
			S	01 00.7				
		LPZ	P	01 00 09				
		DSG	P	01 00 09.9				
		PNS	IP	01 00 12.1	D	0.9	35.6	
			S	01 07.3				
SEP	10	LPB	EP	01 46 13				
		PNS	P	01 46 17.4	C	0.7	9.9	
			ES	46 36				
SEP	10	PNS	P	01 49 33.5		0.6	5.8	
			S	49 56				
SEP	10	PNS	EP	03 43 05.8				
SEP	10	PNS	EP	03 54 09				
SEP	10	LPB	EP	04 14 02				
			EL	20 00				
		PNS	EP	04 14 02.5				
SEP	10	LPB	EP	04 17 35				
		LPZ	EP	04 17 37				
		PNS	EP	04 17 37		2.1	191.3	
			E	19 20.6				
SEP	10	PNS	EP	04 27 18.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	10	PNS	EP	05 52 51.8				
SEP	10	PNS	EP	06 44 52.4				
SEP	10	USCGS	07 19 27.8, 15.9S, 167.2E, H = 35 Km, M = 5.1 NEW HEBRIDES ISLANDS					116.0
		LPB	EL	08 15 00				
SEP	10	PNS	EP	08 00 53.5				
			S	02 33.3				
		LPB	EP	08 00 54				
SEP	10	PNS	EP	10 01 38.5				
SEP	10	PNS	EP	10 21 57.7				
SEP	10	USCGS	10 24 19.4, 14.4S, 72.4W, H = 94 Km, M = 3.9 PERU					
		DSG	IP	10 25 21.2	C			
		PNS	IP	10 25 24.2	C	0.9	101.1	
			S	26 11				
		LPZ	IP	10 25 28				
		LPB	IP	10 25 29.4	C	0.8	85.4	4.9
			S	26 24.5				
SEP	10	USCGS	12 29 52.8, 10. N, 70.8W, H = 41 Km, M = 5.4 VENEZUELA					
		LPZ	EP	12 25 23				28.7
		LPB	EP	12 35 21				
			EL	42.8				
		PNS	P	12 35 24.9	C	1.2	44.4	
			E	43 50				
		DSG	P	12 35 26.7	D			
SEP	10	PNS	EP	13 00 27.8				
SEP	10	USCGS	15 01 55.3, 42.9N, 143.4E, H = 110 Km, M = 5.0 HOKKAIDO, JAPAN REGION					
		PNS	EPKP	15 21 19.2				142.0
		LPB	EL	15 44 00				
SEP	10	USCGS	17 57 11.7, 44. N, 128.0W, H = 11 Km, M = 5.1 OFF COAST OF OREGON					
		PNS	EP	18 09 26				81.5
		LPB	EP	18 09 28				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	10	USCGS	19 25 52.7, 37.4N, 141.1E, H = 75 Km, M = 5.3 NEAR E. COAST HONSHU, JAPAN					
		PNS	EPKP	19 45 27.6		1.2	28.6	
			E	45 30.0				
		LPB	EPKP	19 45 28				146.2
			EL	20 16 00				
		LPZ	EPKP	19 45 28				
SEP	10	PNS	P	20 34 51.4		0.3	2.4	
SEP	10	TRJ	IP	20 34 37.7	D			
			S	35 19.3				
		PNS	IP	20 35 17.2	C	1.2	46.5	
			ES	35 41				
		LPZ	P	20 35 18				
		LPB	IP	20 35 23.0	C	1.0	65.0	
SEP	10	PNS	EP	22 00 25.2				
SEP	10	PNS	EP	22 03 22		0.8	4.4	
		LPB	EP	22 03 25				
SEP	10	PNS	P	22 32 47.5		0.5	3.7	
SEP	10	USCGS	22 57 44. 18.6N, 100.6W, H = 92 Km, M = 4.2 GUERRERO, MEXICO					
		PNS	EP	23 06 05.8				
		LPB	EP	23 06 09				49.5
SEP	10	PNS	P	23 52 37.6				
SEP	10	PNS	EP	23 59 05.7				
SEP	11	LPB	P	00 19 32				
			S	20 12				
		PNS	P	00 19 48.7				
			S	20 18.2				
SEP	11	PNS	EP	00 53 35.7				
			E(S)	54 03				
SEP	11	LPB	EP	00 57 56				
			ES	58 35.5				
		PNS	EP	00 58 01.5				
			ES	58 45.1				
SEP	11	PNS	EP	02 26 25.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	11	TRJ	P	02 40 46.9	D			
			S	41 20.8				
		PNS	P	02 41 18.2		1.0	13.5	
			ES	41 42.5				
SEP	11	LPB	IP	02 45 58.7	D	1.0	85.0	
			S	46 41				
		LPZ	IP	02 45 59.5				
		PNS	P	02 46 09		1.3	42.7	
			ES	46 44.2				
		TRJ	P	02 46 10.4	D			
SEP	11	PNS	EP	03 40 47				
SEP	11	TRJ	P	04 42 09.7	D			
		LPB	EP	04 42 37				
		PNS	EP	04 42 38.5				
SEP	11	PNS	EP	05 41 15.6				
		LPB	EP	05 41 17				

SEP 11 USCGS 06 53 01.5, 5.3S, 153.0E, H = 67 Km, M = 6.3
NEW BRITAIN REGION

PNS	EPKP	07 12 01		
	(IPPKP)	12 16.5		
	E	15 20		
	IPKS	15 45.0		134.2
LPB	PKP	07 12 02.0		
	I(PPKP)	12 16.7		
	I(PKS)	15 44		
	SKS	19 47		
	SS	32 16		
	L	56.3		
LPZ	EPKP	07 12 02		
	IPPKP	12 16.5		
TRJ	PKP	07 12 04.1	D	
DSG	I(PKP)	07 12 15.8		

SEP 11 USCGS 07 13 23, 50. N, 129.5W, H = 33 Km, M = 5.0
VANCOUVER ISLAND REGION

LPB	EP	07 26 06		86.5
	S	35 38		
	SS	42 25		
	EL	54 00		
PNS	(EP)	07 26 57.2		
SEP 11 PNS	IP	07 40 36.3	D	0.7 6.6
	S	41 04.5		
LPB	P	07 40 37.4		
	S	41 06.5		

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	11	PNS	IP	07 41 32.0	D	0.6	15.0	
			ES	41 58				
SEP	11	PNS	EP	08 37 16.8				
			E(S)	37 43.7				
SEP	11	PNS	EP	12 29 56.4				
SEP	11	LPZ	EP	12 52 08				
		LPB	P	12 52 08.3				
		PNS	EP	12 52 10.7				
SEP	11	PNS	P	13 34 20.6				
			S	34 44.4				
SEP	11	LPB	EP	14 07 37				
		LPZ	EP	14 07 37.5				
		PNS	EP	14 07 38.2				
SEP	11	DSG	EP	16 37 21.3				
		PNS	EP	16 37 31.6		1.0	12.3	
			E(S)	38 07.5				
SEP	11	PNS	IP	17 06 32.1	D	0.6	4.3	
			S	06 54.5				
SEP	11	PNS	EP	17 14 14.5				
			S	14 54.5				
SEP	11	PNS	P	18 10 49.0		0.5	3.6	
			S	11 18.2				

SEP 11 USCGS 18 17 55, 11.4S, 75.3W, H = 69 Km, M = 4.2
PERU

PNS	EP	18 19 43		
	S	21 16.5		
	SS	21 28.0		
	SSS	21 48		
LPZ	EP	18 19 54		
LPB	EP	18 19 56.5		8.8
SEP 11 PNS	EP	21 42 40.7		
	S	43 11.5		
LPZ	EP	21 42 42		
LPB	EP	21 42 43		

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	11	USCGS VENEZUELA	22 15 14.8, 7. N, 71.8W, H = 14 Km, M = 6.0					
		PNS	EP	22 20 24.3	D	2.4	180.4	
			E	27 50				
		LPZ	EP	22 20 25				23.2
		LPB	EP	22 20 26				
SEP	12	USCGS MARIANA ISLANDS REGION	03 11 21, 21.7N, 145.8E, H = 33 Km, M = 4.9					
		LPB	PKP	03 31 02.5				142.0
		LPZ	EPKP	03 31 03				
		PNS	EPKP	03 31 04.2				
SEP	12	PNS	IP	03 44 56.0	D	0.6	10.0	
			S	45 20.0				
		LPB	EP	03 44 56				
SEP	12	PNS	P	07 05 40.8		0.5	2.5	
			ES	06 07.3				
		LPB	EP	07 05 41				
SEP	12	USCGS SANTA CRUZ ISLANDS	06 58 33.8, 11.2S, 166.4E, H = 124 Km, M = 5.3					
		LPB	EPKP	07 17 27				119.8
			EL	55.4				
SEP	12	LPB	IP	08 11 37.3				
			S	12 11.5				
		PNS	P	08 11 39.2		1.0	13.5	
			ES	12 12.3				
SEP	12	USCGS NEW BRITAIN REGION	08 40 12.8, 6.3S, 151.6E, H = 48 Km, M = 6.2					
		LPB	PKP	08 59 12.5		1.9	617.5	134.8
			IPKP2	59 31				
			PKS	09 03 01				
			SKS	06 19				
			L	43.7				
		PNS	EPKP	08 59 13				
			IPKP2	59 30.5	D			
			PP	09 02 01				
			IPKS	03 17				
		LPZ	EPKP	08 59 14				
			IPKP2	59 31				
			EPKS	09 03 06				
		DSG	EPKP2	08 59 19.8				
		SMB	EPKP2	08 59 29.8				
		TRJ	(IP)KP2	08 59 30.0	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	12	USCGS NEW BRITAIN REGION	09 01 59.6, 6.4S, 151.7E, H = 37 Km, M = 5.0					
		PNS	EPKP	09 21 15				
		LPB	EPKP	09 21 16				134.8
			EL	10 05.8				
		LPZ	EPKP	09 21 17				
SEP	12	PNS	IP	11 59 54.6	D	0.6	5.0	1.2
			E(S)	12 00 11				
SEP	12	PNS	P	12 25 58.8		1.2	19.4	
			E(S)	26 34				2.9
SEP	12	PNS	EP	14 21 43				
SEP	12	DSG	EP	14 30 18.4				
SEP	12	DSG	EP	14 48 55.1				
SEP	12	DSG	P	15 23 27.8				
SEP	12	PNS	P	16 22 39.4		1.0	11.2	
SEP	12	USCGS TALAUD ISLANDS	17 01 53, 3.2N, 126.5E, H = 68 Km, M = 5.3					
		PNS	EPKP	17 21 50.8				
		LPB	EL	18 15 00				156.
SEP	12	PNS	EP	18 25 49.5				
SEP	12	PNS	IP	18 26 31.8	D	0.6	5.6	1.9
			S	26 55.9				
SEP	12	USCGS CENTRAL PACIFIC OCEAN	20 21 19.4, 36.4S, 97.8W, H = 33 Km, M = 5.5					
		TRJ	P	20 27 46.7	C			
		PNS	IP	20 27 53.5	C	1.5	528.0	
			ES	32 57.5				32.
			SS	34 51				
		LPZ	IP	20 27 53.5				
		LPB	IP	20 27 53.8	C	1.0	52.0	32.2
SEP	12	DSG	P	21 03 48.7				
		PNS	EP	21 04 54.4				
			ES	05 15.5				1.7

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	12	USCGS	21 54 40.7, 21.6N, 142.9E, H = 319 Km, M = 5.0					
		MARIANA ISLANDS REGION						
		DSG	PKP	22 13 56.5				
		PNS	IPKP	22 13 57.5	C	2.0	163.8	
			ESKS	20 14.3				150.0
		LPB	PKP	22 13 57.5				
			SS	36 25				
			L	23 05.3				
SEP	12	USCGS	22 02 34.3, 6.4S, 70.8E, H = 33 Km, M = 6.1					
		CHAGOS ARCHIPELAGO REGION						
		TRJ	PKP	22 21 40.6	C			
		LPB	PKP	22 21 51.3	D	1.5	286.0	137.9
			PP	25 21				
			SS	42 10				
			L	23 06.7				
		PNS	PKP	22 21 52.1				
			E	24 31.6				
			EPP	24 41.5				
			PKS	25 23.8				
		DSG	PKP	22 21 54.6				
SEP	13	PNS	IP	03 09 04.5	D	0.6	11.8	1.9
			S	09 27.5				
SEP	13	PNS	P	03 34 38.5		0.5	5.1	
SEP	13	PNS	EP	03 39 25.5				
SEP	13	DSG	EP	04 48 12.6				
		LP2	EP	04 48 17				
		LPB	IP	04 48 17.5		1.0	12.0	4.5
			S	49 10				4.5
		PNS	EP	04 48 17.5				
			S	49 10				
		TRJ	EP	04 48 43.0	D			
SEP	13	PNS	EP	04 55 54.2				
SEP	13	PNS	EP	05 18 46.3				
								2.9
SEP	13	PNS	EP	06 42 55.5				
			ES	43 30.5				
SEP	13	LPB	EP	07 04 30				
		PNS	EP	07 04 33.5				
								3.6
SEP	13	PNS	EP	07 07 17				
			E(S)	07 59.7				
		LPB	EP	07 07 18				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	13	PNS	P	07 16 36.5				1.8
			IS	16 59.0				
SEP	13	PNS	EP	08 10 22				
SEP	13	DSG	EP	08 13 32.7				
		PNS	EP	08 13 36.8				4.5
			ES	14 29.5				
		LPB	P	08 13 37.2				4.7
			S	14 32.6				
SEP	13	DSG	EP	08 22 03.1				
		PNS	EP	08 22 06				1.0
			I	22 17.0				
			S	22 20.0				
		LPB	P	08 22 06.5				4.6
			S	23 01				
		TRJ	EP	08 22 31.8	C			
SEP	13	DSG	EP	09 00 12.6	D			
		LPB	EP	09 00 16				4.6
			S	01 10				
		PNS	EP	09 00 16.5				4.5
			ES	01 10				
SEP	13	PNS	EP	11 36 09				
		LPB	EP	11 36 10				
SEP	13	TRJ	P	12 59 56.9	D			
		LPB	EP	13 00 27				
		PNS	P	13 00 31.6	D	0.9	10.7	
SEP	13	USCGS	13 07 48.3, 55.5N, 165.7E, H = 23 Km, M = 5.4					
		KOMANDORSKY ISLANDS REGION						
		LPB	EPKP	13 26 48				123.8
			EL	14 15 00				
		PNS	EPKP	13 26 48.2				
			E	26 54.1				
		DSG	EPKP	13 26 55.5				
SEP	13	LPB	EP	15 03 40				
		PNS	EP	15 03 48.1				
SEP	13	PNS	P	15 10 03.3				1.7
			ES	10 25				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	13	USCGS	16 15 44.5, 36.5S, 97.5W, H = 33 Km, M = 5.4					
		CENTRAL PACIFIC OCEAN						
		TRJ	EP	16 22 13.0	D			
		DSG	P	16 22 13.7				
		LPB	P	16 22 18		1.3	51.8	33.0
			S	27 06				
			SS	29 31				
			L	31.6				
		LPZ	P	16 22 18.5				
SEP	13	TRJ	IP	20 11 32.5	D			
SEP	13	PNS	EP	21 53 56				
SEP	13	USCGS	21 31 45, 49.1N, 155.8E, H = 78 Km, M = 5.0					
		KURILE ISLANDS						
		LPB	EL	22 35 00				132.2
SEP	13	DSG	EP	22 49 17.2				
		PNS	IP	22 49 21.0	D	0.5	11.9	
		LPB	P	22 49 21.2				
		SCS	EP	22 49 21.2	D			
		LPZ	EP	22 49 22				
SEP	13	PNS	EP	23 08 17				
SEP	14	USCGS	01 43 37.1, 5.3S, 152.9E, H = 57 Km, M = 4.8					
		NEW BRITAIN REGION						
		PNS	EPKP	02 02 53.6				
		LPZ	EPKP	02 02 54				133.7
		LPB	EPKP	02 02 54				
			EL	50 00				
SEP	14	PNS	EP	02 10 34.5				
SEP	14	USCGS	04 50 23, 12.1S, 72.4W, H = 59 Km, M = 4.3					
		PERU						
		DSG	EP	04 51 48.1				
		LPB	P	04 51 53.0		0.8	21.0	6.9
			ES	53 31				
		LPZ	EP	04 51 56				
		PNS	EP	04 51 57.6		0.7	8.8	5.6
			IPP	52 02.9				
			ES	53 03				
			ESS	53 17				
			I	53 24				
		SCS	EP	04 52 04.2				
SEP	14	PNS	P	05 15 04.8	D	0.4	16.5	1.9
			S	15 28.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	14	PNS	E(P)	05 18 59.8				
SEP	14	PNS	EP	07 20 15				
			I	20 51.5				7.1
			S	21 35.7				
			SS	21 45				
		DSG	EP	07 20 17.1				
		LPZ	EP	07 20 20				
		LPB	P	07 20 20.6		0.9	9.3	7.2
			(S)	21 43				
		SCS	EP	07 20 39.3				
SEP	14	PNS	EP	07 35 42.9				2.0
			E(S)	36 08				
SEP	14	PNS	EP	08 21 57.2				
SEP	14	USCGS	08 27 15.9, 8.4N, 126.8E, H = 33 Km, M = 5.7					
		MINDANAO, PHILIPPINE ISLANDS						
		LPB	PKP	08 47 21				114.
			PKP2	48 14.6				
			ESKS	54 17				
			SKKS	58 43				
			EL	09 43 00				
		LPZ	EPKP	08 47 21				
		PNS	EPKP	08 47 21				
SEP	14	PNS	EP	08 57 23.6				4.7
			E(S)	58 18.9				
		LPB	EP	08 57 24				
SEP	14	USCGS	09 00 49.4, 35.3N, 140.7E, H = 76 Km					
		NEAR E. COAST HONSHU, JAPAN						
		LPB	EPKP	09 20 28				148.2
			ESS	29 26				
			EL	10 10.9				
		LPZ	EPKP	09 20 29				
		PNS	EPKP	09 20 29				
			E	21 12.4				
SEP	14	PNS	EP	09 54 55				
		LPB	EP	09 54 56				
SEP	14	LPB	EP	11 18 12				
		PNS	EP	11 18 34.4				1.7
			S	18 55.4				
SEP	14	PNS	EP	11 27 12				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	14	DSG	P	11 37 15.9				
SEP	14	DSG	EP	13 16 58.2				
SEP	14	DSG	EP	13 18 48.1				
SEP	14	DSG	EP	14 08 51.6				
SEP	14	USCGS 14 18 03.5, 51.4N, 174.6E, H = 11 Km, M = 5.2 ALEUTIAN NEAR ISLANDS						
		PNS	EPKP	14 36 56				120.2
		LPB	EL	15 05 00				
SEP	14	USCGS 14 27 18, 22.5S, 66.8W, H = 279 Km, M = 4.4 JUJUY PROVINCE, ARGENTINA						
		TPJ	IP	14 27 57.4	D			
		SCS	P	14 28 40.2	C			
		LPB	P	14 28 49		1.0	65.0	6.6
			S	30 00				
		LPZ	EP	14 28 49				6.7
		DSG	IP	14 28 52.6	C			
			IS	30 10.3				
		PNS	IP	14 28 53.3	C	0.9	21.4	6.6
			IPP	29 15.0				
			IS	30 10.0				
			SS	30 35.5				
SEP	14	PNS	P	15 13 47.9		0.5	2.8	
SEP	14	PNS	EP	15 28 59				1.6
			ES	29 19				
SEP	14	USCGS 22 48 20.6, 25.5N, 124.5E, H = 132 Km, M = 5.1 NORTHEAST OF TAIWAN						
		LPB	EPKP	23 08 46				181.2
			EL	24 07 00				
SEP	14	PNS	P	23 35 10.5				
SEP	15	PNS	P	00 45 54.2				1.7
			S	46 16.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	USCGS 01 49 28.4, 27.8S, 69.8W, H = 77 Km, M = 4.7 NORTHERN CHILE						
		TRJ	IP	01 51 22.3	C			
		LPB	EP	01 52 11				9.2
			PP	53 03.5				
			ES	54 26				
			L	55.5				
		LPZ	EP	01 52 12				
		PNS	EP	01 52 12				10.9
			S	54 14.8				
SEP	15	PNS	P	01 59 52.1		0.5	10.7	1.7
			ES	02 00 13.3				
SEP	15	LPB	EP	03 24 46				
		PNS	EP	03 24 59.1				
SEP	15	PNS	P	03 38 30.0				3.4
			E(S)	39 10				
		LPZ	EP	03 38 32				
		LPB	EP	03 38 33	C	0.7	13.0	3.9
			S	39 19.5				
		SCS	EP	03 38 36.6				
SEP	15	PNS	EP	06 58 34.3				
SEP	15	PNS	EP	08 06 43.8				
SEP	15	USCGS 08 39 33.1, 6.8N, 73.0W, H = 165 Km, M = 4.6 NORTHERN COLOMBIA						
		PNS	EP	08 44 28.3				
			E	45 02.5				
		LPB	P	08 44 31.7				23.9
			PP	45 13				
			EL	50 00				
SEP	15	PNS	EP	09 27 15.0				
SEP	15	USCGS 10 07 22.6, 6.4S, 154.0E, H = 76 Km, M = 5.0 SOLOMON ISLANDS						
			EPKP	10 26 36				132.8
SEP	15	PNS	EP	10 46 46				
SEP	15	PNS	EP	13 21 19.2				
SEP	15	PNS	EP	15 34 47.5				1.9
			S	35 10.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	PNS	P	16 39 40.0		1.1	48.9	4.1
			IS	40 28.3				
		LPB	EP	16 39 43				
SEP	15	PNS	EP	17 57 15				0.7
			S	57 25.2				
		LPB	EP	17 57 30				
SEP	15	LPB	P	18 46 27.5		1.2	01.0	3.6
			S	47 09.8				
		LPZ	EP	18 46 28				4.6
		PNS	EP	18 46 29.7				
			E	46 51.2				
			S	47 23.4				
SEP	15	PNS	EP	19 39 44				
SEP	15	PNS	EP	22 09 20				0.2
			S	09 27.4				
		LPB	EP	22 09 22				
SEP	15	USCGS	22 17 56, 25.1S, 179.9E, H = 473 Km, M = 5.4					
		SOUTH OF FIJI ISLANDS						
		LPB	EP	22 31 46				102.1
SEP	15	LPB	EP	23 27 21		1.1	17.3	4.9
		PNS	P	23 27 26.8				
			S	28 23.8				
SEP	16	USCGS	00 42 06.7, 5.5S, 154.2E, H = 133 Km, M = 5.3					
		SOLOMON ISLANDS						
		LPB	EPKP	01 01 12				133.0
			EL	45 00				
		PNS	EPKP	01 01 13				
SEP	16	TRJ	IP	02 01 18.1	D			2.6
			S	01 48.9				
SEP	16	LPB	IP	02 15 45.7	D	0.8	17.5	5.5
			S	16 49				
		PNS	IP	02 15 46.8	D	1.0	17.2	4.5
			S	16 38.8				
			SS	16 56.0				
		TRJ	P	02 16 02.4	C			
SEP	16	USCGS	04 10 22.6, 40.4N, 125.7W, H = 33 Km, M = 5.6					
		OFF COAST OF NORTH CALIFORNIA						
		LPB	EP	04 21 43				78.0
			ES	32 00				
			EL	48 00				
			P	04 22 50.4	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	16	PNS	EP	04 58 48.4				2.0
			ES	59 13.5				
		LPB	EP	04 59 58				
SEP	16	LPB	EP	06 30 09				
		PNS	P	06 30 16.5				
SEP	16	TRJ	P	07 29 20.4	D			
SEP	16	USCGS	08 57 26.3, 15.9S, 70.6W, H = 100 Km, M = 4.4					
		SOUTHERN PERU						
		PNS	IP	08 58 04.0	C			2.3
			ES	58 32				
		LPZ	IP	08 58 06				2.7
			S	58 37.5				
		LPB	IP	08 58 07.9	C	1.1	483.0	2.7
			PG	58 13				
			S	58 37.5				
		SCS	IP	08 58 11.9	D			
		TRJ	P	08 59 09.5	D			
SEP	16	LPB	IP	11 00 51.5	C	0.8	17.5	2.8
			S	01 24.5				
		PNS	IP	11 00 55.4	C	0.9	42.2	2.9
			S	01 31.0				
SEP	16	USCGS	12 50 23, 19. S, 69.3W, H = 201 Km, M = 3.9					
		NORTHERN CHILE						
		TRJ	IP	12 50 55.2	D			
		LPB	P	12 51 10.5		0.9	18.7	2.7
		LPZ	EP	12 51 12				
		PNS	IP	12 51 15.3	D	1.3	92.2	1.6
			ES	51 35.0				
SEP	16	USCGS	13 50 11.8, 7.1N, 126.5E, H = 179 Km, M = 6.0					
		MINDANAO, PHILIPPINE ISLANDS						
		TRJ	PKP	14 09 56.5	D			
		LPB	PKP	14 09 57		1.2	71.5	163.5
			PPKP	10 41.5				
			L	15 06.4				
		LPZ	EPKP	14 09 57				
		PNS	PKP	14 09 57.5		2.0	214.2	
			E	10 42				
SEP	16	PNS	P	14 54 56.3	D	1.6	67.8	
		LPB	EP	14 54 56.5				
SEP	16	USCGS	16 20 19.8, 20.9S, 178.7W, H = 525 Km, M = 5.3					
		FIJI ISLANDS REGION						
		PNS	EP	16 33 43.5				
		LPB	EP	16 33 43.5				102.4

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	16	USCGS	19 51 08.4, 37.2N, 74.3W, H =			Km, M = 5.1		
			OFF EAST COAST UNITED STATES					
		PNS	IP	20 00 32.7	D	1.6	127.1	
		LPZ	P	20 00 34				
		LPB	IP	20 00 34.5	D	1.0	32.0	54.2
SEP	16	LPB	EP	20 49 52				3.4
		PNS	EP	20 48 55.8				
			ES	49 35.7				
SEP	16	USCGS	21 02 41.6, 15.4S, 168.4E, H = 33 Km, M = 5.1					
			NEW HEBRIDES ISLANDS					
		LPB	EL	21 57 00				115.8
SEP	17	PNS	EP	00 54 02.5				
SEP	17	PNS	P	01 35 17.5				
SEP	17	PNS	EP	02 18 19.3				
SEP	17	USCGS	03 59 57.5, 49.8N, 78.1E, H =			Km, M = 5.6		
			EASTERN KAZAKH SSP					
		LPB	EPKP	04 19 18				138.2
		PNS	EPKP	04 19 27				
SEP	17	PNS	P	04 21 32.2				5.6
			ES	22 37.8				
SEP	17	PNS	EP	04 44 29.6				
SEP	17	PNS	EP	04 50 08.2				
SEP	17	PNS	EP	05 19 20.6				2.3
			ES	19 48.5				
SEP	17	SCS	P	05 49 25.6	D			
			(S)	50 00.2		0.4	12.0	3.2
		LPB	P	05 49 30.5				
			S	50 08.5				2.5
		PNS	EP	05 49 34				
			IP	49 48.1	D			
			S	50 18.5				
		LPZ	EP	05 49 36				
		TRJ	P	05 49 50.3	D			
SEP	17	TRJ	IP	09 14 18.7	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	17	USCGS	11 13 56.4, 1.4S, 77.6W, H = 190 Km, M = 6.5					
			ECUADOR					
		LPZ	IP	11 17 46.7				
		LPB	IP	11 17 51.5	D	1.0	635.0	18.
			PP	18 10				
			(P)	18 16.5				
			PS	21 06				
		SCS	IP	11 18 00.8	D			
		TRJ	IP	11 18 51.4	D			
SEP	17	TRJ	P	13 40 52.4	D			
SEP	17	TRJ	IP	13 56 10.2	D			2.6
			S	56 41.1				
SEP	17	USCGS	14 22 36.5, 36.5N, 141.4E, H = 23 Km, M = 5.1					
			NEAR EAST COAST HONSHU, JAPAN					
		LPB	EPKP	14 42 18				147.2
			L	15 32.5				
		LPZ	EPKP	14 42 18				
		TRJ	PKP	14 42 35.0	D			
SEP	17	TRJ	P	15 32 31.6	C			
SEP	17	USCGS	15 18 38.4, 36.3N, 141.2E, H = 66 Km, M = 5.2					
			NEAR EAST COAST HONSHU, JAPAN					
		LPZ	EPKP	15 38 16				
			PPKP	38 30				
		LPB	PKP	15 38 16.2	C	1.0	45.0	138.2
			PKP2	38 23.5				
			PPKP	38 30				
			EL	16 28.6				
SEP	17	USCGS	16 21 21.9, 36.3N, 141.1E, H = 72 Km, M = 5.8					
			NEAR E. COAST HONSHU, JAPAN					
		LPB	EPKP	16 40 59				138.2
			PKP2	41 06				
			PP	44 07				
			SKS	47 46				
			SS	17 03 28				
			L	31.1				
		TRJ	~~(IP)KP2~~	~~16 41 15.9~~	~~C~~			
SEP	17	USCGS	22 54 30, 12.7S, 166.3E, H = 65 Km, M = 5.1					
			SANTA CRUZ ISLANDS					
		LPB	EPKP	23 13 15				119.2
			EL	52 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	18	TRJ	IP	01 42 10.3	D			3.5
			S	42 51.9				
SEP	18	TRJ	P	03 16 31.4	D			
SEP	18	USCGS	04 20 04, 19.9S, 67.5W, H = 245 Km, M = 4.0					
			SOUTHERN BOLIVIA					
		TRJ	IP	04 20 38.0	D			2.9
			S	21 12.9				
		SCS	IP	04 20 52.1	C			
		LPB	IP	04 21 02.0		1.0	465.0	3.1
			PS	21 09				
			S	21 45				
		LPZ	IP	04 21 03				
		DSG	IP	04 21 03.0				
SEP	18	TRJ	P	04 59 05.7	D			3.6
			S	59 48.9				
		LPB	EP	04 59 31				10.4
			(S)	05 01 28				
SEP	18	LPB	EP	06 16 19				
SEP	18	USCGS	06 41 57, 43.4S, 80.7W, H = 33 Km, M = 4.4					
			OFF COAST OF SOUTHERN CHILE					
		LPB	EP	06 47 31				27.1
			EL	55 00				
SEP	18	USCGS	08 30 00.3, 10.5N, 62.3W, H = 35 Km, M = 4.2					
			NEAR COAST OF VENEZUELA					
		LPB	EP	08 35 45				27.8
			EL	42 00				
		LPZ	EL	08 42 00				
SEP	18	TRJ	IP	08 53 18.3	C			2.9
			S	53 53.7				
SEP	18	TRJ	P	11 45 46.9	D			2.8
			IS	46 20.4				
SEP	18	TRJ	P	12 25 20.5	D			1.9
			S	25 43.3				
SEP	18	USCGS	17 23 36.3, 50.3S, 74.2W, H = 33 Km, M = 5.1					
			NEAR COAST SOUTHERN CHILE					
		LPB	EP	17 30 20				34.7

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	18	USCGS	20 46 39.2, 59.5N, 145.1W, H = 22 Km, M = 5.3					
			GULF OF ALASKA					
		LPB	EP	21 00 11				97.8
			ESS	18 16				
			EL	33.0				
SEP	18	USCGS	22 03 18.8, 8.2N, 126.8E, H = 85 Km, M = 5.6					
			MINDANAO, PHILIPPINE ISLANDS					
		PNS	EPKP	22 23 16				
			E	23 30				
			EPP	27 51				
		LPB	EPKP	22 23 18				163.7
			PPKP	23 39.5				
			PKP2	24 11.5				
			EL	23 20 00				
SEP	18	USCGS	23 16 59.8, 1.8N, 126.5E, H = 49 Km, M = 5.2					
			MOLUCCA PASSAGE					
		PNS	EPKP	23 37 05				
		LPB	EPKP	23 37 26				158.8
			ESKS	44 48				
			EL	24 32 00				
SEP	19	USCGS	00 21 55, 1. S, 124.1E, H = 83 Km, M = 4.9					
			MOLUCCA SEA					
		LPB	EPKP	00 41 33				158.5
		PNS	P	00 42 28.0	D	1.3	17.8	
SEP	19	LPB	EP	00 42 27				
		PNS	P	00 42 28.0	D	1.3	17.8	
SEP	19	USCGS	01 26 52.5, 22.1S, 174.9W, H = 33 Km, M = 5.4					
			TONGA ISLANDS REGION					
		LPB	EP	01 40 34				98.4
			ES	51 10				
			EL	02 13 00				
		PNS	P	01 40 35				
SEP	19	USCGS	01 45 01, 1.6S, 77.6W, H = 208 Km, M = 4.6					
			ECUADOR					
		PNS	EP	01 48 51.6				17.0
			ES	52 06				
		LPB	P	01 48 55.5		0.8	12.6	9.8
			ES	50 06				
			EL	52.7				
		SCS	P	01 49 04.7	D			
SEP	19	PNS	P	02 20 09.4		0.7	3.7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	19	PNS	IP	02 35 11.2	D	0.9	25.0	1.9
		LPB	EP	02 35 12				
SEP	19	PNS	EP	03 51 05.2				
SEP	19	LPB	EP	04 28 05				
		PNS	EP	04 28 07				
SEP	19	PNS	EP	04 54 25				1.5
			E(S)	54 43.9				
		LPB	EP	04 54 27				
SEP	19	LPB	EP	07 01 09				
		PNS	P	07 01 09.7				
			E	01 17				
SEP	19	PNS	EP	07 17 40				
			E	17 47.5				
		LPB	EP	07 17 43				
SEP	19	PNS	EP	07 23 28.5				
SEP	19	PNS	EP	08 14 37.5				
SEP	19	USCGS	08 47 49.4, 9 S, 99.7E, H = 93 Km, M = 5.3					
		SOUTHERN SUMATRA						
		TRJ	PKP	09 07 39.3	C			151.2
		LPB	EPKP	09 07 40				
			EPKP2	07 54				
			EL	31 00				
		PNS	EPKP	09 07 41.4				
			E	08 35.8				
SEP	19	PNS	EP	09 26 47.5				2.7
			E(S)	27 20				
SEP	19	USCGS	09 44 46.6, 20.6S, 169.8E, H = 126 Km, M = 5.0					
		NEW HEBRIDES ISLANDS						
		LPB	EL	11 20 00				112.5
SEP	19	PNS	P	10 25 33.5		0.5	3.1	
		LPB	EP	10 25 37				
SEP	19	PNS	EP	11 08 01				3.7
			S	08 45.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	19	LPB	EP	12 31 52				
		PNS	P	12 31 52	C	1.7	93.0	
		SCS	P	12 31 52.3	D			
		TRJ	EP	12 32 50.7				
SEP	19	TRJ	IP	12 43 02.3	D			
SEP	19	TRJ	IP	12 51 24.7	D			
SEP	19	TRJ	P	13 34 30.8				
SEP	19	USCGS	13 16 19.6, 12.8N, 126.0E, H = 35 Km, M = 5.4					
		SAMAR, PHILIPPINE ISLANDS						
		LPB	EPKP	13 36 30				162.
			ESKS	43 42				
			EL	14 30.3				
SEP	19	TRJ	EP	14 05 57.2				
		LPB	EP	14 06 10				
		PNS	P	14 06 11.3				
			E	06 17.8				
SEP	19	USCGS	14 17 49.3, 16.2S, 74.7W, H = 47 Km, M = 4.8					
		NEAR COAST OF PERU						
		PNS	P	14 19 20.5				5.6
			ES	20 26.3				
		LPB	EP	14 19 24				6.3
			ES	19 27				
		SCS	P	14 19 31.9				
		TRJ	P	14 20 19.3				
			I(P)	20 25.5				
SEP	19	USCGS	14 16 50, 5.5S, 154.4E, H = 116 Km, M = 5.6					
		SOLOMON ISLANDS						
		LPB	EPKP	14 36 11				132.3
			EL	15 39 00				
SEP	19	PNS	P	14 41 43.8				
SEP	19	TRJ	IP	15 01 28.3	D			
		LPB	P	15 02 21				
		PNS	P	15 02 25.2				6.6
			E(S)	03 41				
SEP	19	USCGS	16 03 13, 6.2S, 151.5E, H = 34 Km, M = 5.9					
		NEW BRITAIN REGION						
		LPB	EPKP	16 22 31				105.7
			EL	17 07 00				
		PNS	EPKP	16 22 32.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	19	PNS	P	17 00 27.7				
SEP	19	PNS	EP	17 18 05				
SEP	19	PNS	P	19 08 59.4				
SEP	19	PNS	IP	19 21 34.6	D			1.9
			S	21 58.4				
SEP	19	LPB	P	20 17 10.7		0.5	7.9	
		PNS	IP	20 17 24.5				
SEP	19	PNS	IP	22 59 53.9	D	0.6	25.6	2.3
			IS	23 00 22.0				2.5
		LPB	EP	22 59 57				
			S	23 00 27.5				
SEP	19	USCGS	23 24 19.2, 9.9N, 70.3W, H = 33 Km, M = 5.0					
		VENEZUELA						
		PNS	EP	23 29 51				26.0
			E	30 55.4				
			ES	34 15.5				
		LPZ	EP	23 29 54				26.6
		LPB	EP	23 29 56				
			ES	34 18				
			ESS	35 22				
			EL	38.1				
SEP	19	PNS	EP	23 47 05				1.4
			ES	47 23				
SEP	20	PNS	EP	03 17 53				1.9
			S	18 15.6				
SEP	20	TRJ	EP	05 30 08.0	C			
SEP	20	USCGS	06 37 42.6, 17.3S, 70.5W, H = 126 Km, M = 4.4					
		NEAR COAST OF PERU						
		DSG	IP	06 38 13.0	C			2.1
		PNS	IP	06 38 20.0	D			
			IS	38 46.5				
		LPZ	IP	06 38 22				2.7
		LPB	IP	06 38 23.5	D	0.7	282.7	
			IS	38 53				
		SCS	IP	06 38 25.5	C			
		TRJ	P	06 39 22.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	20	TRJ	IP	06 58 08.7	D			2.6
			S	58 39.9				
		SCS	P	06 58 32.7	D			
		LPZ	P	06 58 47				
		LPB	IP	06 58 47.5	D			
		PNS	P	06 58 51.2	D	0.9	36.0	4.2
			S	59 40.6				
SEP	20	PNS	EP	08 47 41.5				
			E	47 54.8				
		LPB	EP	08 47 42				
SEP	20	PNS	EP	09 50 48				0.1
			P	50 55.2				
			S	51 01.9				
		LPB	EP	09 50 50				4.8
			(S)	51 46.5				
SEP	20	USCGS	09 57 38, 8.2N, 126.8E, H = 24 Km, M = 4.7					
		MINDANAO, PHILIPPINE ISLANDS						
		PNS	EPKP	10 17 27				
			E	18 01.5				
		LPB	EPKP	10 17 30				163.7
SEP	20	LPB	EP	10 36 03.5				
		PNS	EP	10 36 05				
SEP	20	USCGS	11 31 43.6, 15.4N, 94.6W, H = 58 Km, M = 4.3					
		NEAR COAST OF OAXACA, MEXICO						
		PNS	EP	11 39 23				
SEP	20	PNS	P	12 22 13.4		0.6	3.2	2.3
			S	22 41.2				
SEP	20	DSG	IP	12 40 13.3	C			
SEP	20	PNS	EP	12 50 24.5				
SEP	20	PNS	EP	13 21 16				
SEP	20	PNS	EP	15 01 57.4				0.9
			S	02 10.5				
SEP	20	USCGS	15 49 48, 44.9S, 79.3W, H = 33 Km, M = 4.6					
		OFF COAST OF SOUTHERN CHILE						
		LPB	EP	15 55 55				29.7
			EL	16 04.2				
		PNS	P	15 55 55.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
								3.0
SEP	20	PNS	EP	16 40 04.2				
			ES	40 40				
								2.8
SEP	20	SCS	IP	16 46 29.6	D			
		TRJ	IP	16 46 33.9	C			
			S	47 07.2				4.1
		LPB	IP	16 46 38.5	D	0.8	56.0	
			S	47 27				
		LPZ	IP	16 46 39				4.9
		PNS	IP	16 46 41.7	D	1.0	67.9	
			I	46 59.0				
			ES	47 39.0				
		DSG	EP	16 46 49.0				
SEP	20	USCGS	17 03 21.8, 36.1N, 141.8E, H = 57 Km, M = 4.7					
		NEAR E. COAST HONSHU, JAPAN						
		DSG	EPKP	17 22 57.8				
		PNS	EPKP	17 22 58.4				
			E	23 21.4				
		LPZ	EPKP	17 22 59				147.0
		LPB	EPKP	17 23 00				
SEP	20	USCGS	17 11 42.4, 12.1N, 125.7E, H = 32 Km, M = 5.2					
		SAMAR, PHILIPPINE ISLANDS						
								164.5
		LPB	EPKP	17 31 58				
		PNS	EPKP	17 32 00				
SEP	20	USCGS	18 10 40, 6.3S, 75.0W, H = 134 Km, M = 5.1					
		NORTHERN PERU						
								10.2
		PNS	P	18 13 21.9				
			E	13 27.4				
			S	15 17.5				
			ESS	15 55				
		LPZ	EP	18 13 24				
								4.8
SEP	20	SCS	EP	21 43 21.2				
		DSG	P	21 43 26.7				
		PNS	EP	21 43 29.8				
			ES	44 16.1				
		LPZ	EP	21 43 30				
		LPB	EP	21 43 30				
								2.9
SEP	20	PNS	EP	22 13 02.5				
			ES	13 38.0				
								4.7
SEP	20	SCS	EP	22 24 35.0				
		LPB	EP	22 24 37				
		PNS	P	22 24 37.5				
			ES	25 33				
			SS	25 56.5				
		LPZ	EP	22 24 38				
		DSG	P	22 24 44.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	20	DSG	EP	23 00 18.8	C			
		PNS	P	23 00 39.0		0.5	2.1	1.8
			ES	01 01.3				
SEP	21	PNS	EP	00 44 57.4				
SEP	21	PNS	P	01 35 52.7				0.1
			S	35 58.7				
		LPB	EP	01 35 54				
SEP	21	USCGS	01 38 30.2, 29.1N, 128.2E, H = 197 Km, M = 6.7					
		EAST CHINA SEA						
		PNS	PKP	01 58 10.3		0.3	69.8	
			IPKP2	58 51.0				
			PKS	01 40.0				
			EPP	02 35				
			EPPP	06 20				
			EPPS	16 04				
		LPB	IPKP	01 58 10.4		1.1	350.7	160.3
			IPKP2	58 53				
			PPKP	59 03				
			SS	02 22 32				
			EL	53 00				
		LPZ	IPKP	01 58 10.5				
			EL	02 53 00				
		DSG	IPKP	01 58 11.5				
		SCS	PKP	01 58 13.0	D			
		CCH	PKP	01 58 14.2	C			
		TRJ	IPKP	01 58 15.7	C			
SEP	21	TRJ	P	22 26 04.6	D			2.6
			S	26 36.1				
		PNS	EP	02 26 58.2				2.9
			ES	27 33.2				
SEP	21	PNS	IP	02 45 09.3	D	0.9	16.8	2.6
			S	45 40.4				
SEP	21	USCGS	03 26 37.2, 40.7N, 50.0W, H = 23 Km, M = 5.3					
		NORTH ATLANTIC OCEAN						
		LPZ	IP	03 36 39				
			EL	55.4				
		PNS	IP	03 36 39.5	C	1.6	207.0	60.0
			E	42 37.2				
			ES	44 45.5				
		LPB	IP	03 36 40.0	D	1.0	45.0	59.9
			EL	55 00				
		DSG	EP	03 36 41.6	D			
		CCH	IP	03 36 42.2	D			
		TRJ	EP	03 37 05.8	D			
SEP	21	TRJ	EP	03 43 32.2	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	21	PNS	EP	04 04 41.4				
SEP	21	PNS	P	04 19 48.8		1.1	10.8	4.0
			ES	20 36				
		LPB	EP	04 19 50				
SEP	21	PNS	EP	04 44 51.6				
								5.5
SEP	21	LPB	EP	05 27 42				
			S	28 46.5				
SEP	21	USCGS ECUADOR	05 34 44, 1.4S, 76.8W, H = 253 Km, M = 3.8					
		PNS	EP	05 38 35.2				17.0
			ES	41 41.2				
								1.8
SEP	21	PNS	P	07 59 06.6				
			S	59 28.7				
SEP	21	PNS	P	08 38 21.5		0.7	3.9	1.9
			S	38 45.0				
								1.9
SEP	21	PNS	EP	09 01 10.0				
			S	01 32.8				
SEP	21	LPB	EP	10 36 10				
		PNS	EP	10 36 11.8				
SEP	21	DSG	P	11 08 17.4				
SEP	21	DSG	EP	11 36 47.0	C			
SEP	21	PNS	EP	12 22 06.8				
SEP	21	LPB	EP	12 29 46				
		PNS	P	12 29 51.2				0.9
			ES	30 04.5				
SEP	21	PNS	P	12 38 23.4		0.7	3.9	
		LPB	EP	12 38 26				
								2.5
SEP	21	TRJ	P	13 54 43.5	D			
			S	55 13.5				
SEP	21	PNS	EP	14 05 44.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	21	PNS	EP	15 14 19.5				
SEP	21	PNS	P	15 27 34.2	C	0.8	7.4	1.9
			ES	27 57.7				
SEP	21	PNS	EP	15 45 26				
SEP	21	PNS	EP	16 52 02				
SEP	21	PNS	EP	18 05 06.4				0.2
			S	05 13.8				
SEP	21	PNS	P	19 29 11.4		0.5	2.7	2.0
			S	29 36.0				
SEP	21	PNS	IP	20 04 07.2	D	0.5	13.3	2.0
			S	04 32.3				
SEP	21	LPB	EP	21 01 04				
		PNS	P	21 01 06.1		1.2	16.7	2.9
			E(S)	01 41				
SEP	21	DSG	EP	21 34 18.1				
SEP	21	TRJ	IP	22 21 18.5	D			2.8
			S	21 52.9				
		LPB	EP	22 21 39				
		PNS	P	22 21 41.0		0.9	9.4	
SEP	21	CCH	P	22 45 05.0				
		PNS	EP	22 45 29		1.5	30.3	4.1
			E	45 45				
			ES	46 17.5				
		LPB	EP	22 45 34				
SEP	21	TRJ	IP	23 44 01.6	C			3.3
			S	44 40.6				
		LPB	EP	23 44 42				
		PNS	P	23 44 46.3		1.0	19.3	3.5
			S	45 27.4				
SEP	22	PNS	IP	00 36 57.2	D	0.6	10.0	1.9
			S	37 20.0				
SEP	22	TRJ	P	01 43 39.7	D			3.4
			S	44 10.2				
SEP	22	SCS	P	02 12 43.5	D			
		PNS	EP	02 13 05.7				1.9
			IP	13 08.9	C			
			S	13 32.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	22	PNS	P	02 46 02.4	D	0.6	4.6	2.4
			IS	46 31.3				
SEP	22	DSG	IP	03 24 35.6				1.5
			S	24 55.1				
		PNS	IP	03 24 41.0	D			1.8
			IS	25 03.0				
		LPZ	EP	03 24 42				
		LPB	IP	03 24 43				
		SCS	IP	03 24 46.0	C			
SEP	22	USCGS	04 24 47.8, 20.8N, 99.3E, H = 35 Km, M = 5.5					
		BURMA						
		LPB	PKP	04 44 52.5				167.5
			EL	05 44 00				
		PNS	PKP	04 44 55.8				
			E	45 44.8				
			EPP	49 50				
SEP	22	LPB	EP	05 40 03				
		PNS	EP	05 40 05.8				
SEP	22	SCS	EP	06 32 29.8	D			2.5
		LPB	P	06 32 34.8				
			S	33 05				
		PNS	P	06 32 36.4	D	0.9	16.8	2.5
			S	33 06.3				
SEP	22	PNS	EP	07 03 34.5				3.6
			ES	04 18.0				
SEP	22	PNS	P	07 08 09.5	C	1.2	16.7	1.9
			ES	09 33.5				
		TRJ	IP	07 08 25.3	C			
		LPB	EP	07 08 55				
SEP	22	LPB	P	07 13 30.5				
		PNS	IP	07 13 35.2	C	0.9	12.6	3.6
			S	14 17.4				
SEP	22	S	EP	07 22 13.8				1.9
			ES	22 37				
SEP	22	TRJ	IP	08 42 15.2	D			2.4
			(S)	42 44.4				
SEP	22	PNS	EP	08 58 01				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	22	USCGS	09 35 25.3, 1.3S, 134.0E, H = 14 Km, M = 5.9					
		WEST NEW GUINEA REGION						
		PNS	EPKP	09 55 21.7				
		LPB	EPKP	09 55 22				151.6
			PPKP	55 32				
			PKP2	55 38				
			PP	59 09				
			EL	10 47.6				
		TRJ	PKP	09 55 22.8	D			
		LPZ	EPKP	09 55 24				
			EL	10 48 00				
		CCH	EPKP	09 55 26.9	D			
SEP	22	LPB	P	11 19 48.2		1.0	35.0	3.3
			S	20 27.5				
		PNS	EP	11 19 50.5		1.2	18.5	3.5
			ES	20 32.0				
SEP	22	PNS	EP	11 39 05				1.9
			S	39 29.2				
SEP	22	PNS	EP	13 07 02				
SEP	22	USCGS	12 49 42.9, 32.5N, 131.4E, H = 6 Km, M = 5.0					
		KYUSHU, JAPAN						
		PNS	EPKP	13 09 40				
			EPKP2	10 14.9				
			EPP	13 51.5				
		LPB	EPKP	13 09 44				156.8
			PPKP	09 52				
			PKP2	10 09.5				
			L	14 04 00				
		LPZ	EP	14 03 00				
SEP	22	LPB	EP	13 46 53				
		PNS	E(P)	13 47 06				3.3
			ES	47 45.0				
SEP	22	USCGS	14 36 10, 18.7N, 107.3W, H = 33 Km, M = 4.8					
		OFF COAST OF JALISCO, MEXICO						
		PNS	EP	14 45 19				
		LPB	EP	14 45 21				52.2
SEP	22	DSG	EP	15 01 58.6	C			
SEP	22	TRJ	IP	15 13 37.9	D			2.5
			S	14 07.8				
		PNS	EP	15 14 21.7				5.7
			ES	15 28				
		LPB	EP	15 14 30				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	22	PNS	P	16 31 30.0		0.9	10.4	2.4
			S	31 59.1				
SEP	22	PNS	P	16 41 57.7		0.9	8.4	3.5
			S	42 39				
		LPB	EP	16 42 01				
SEP	22	USCGS	17 09 55.4, 9.7S, 159.8E, H = 29 Km, M = 5.2					
		SOLOMON ISLANDS						
		LPB	EPKP	17 28 50				126.0
		PNS	EPKP	17 28 58.7				
SEP	22	USCGS	17 12 18.1, 11.2S, 162.1E, H = 33 Km, M = 5.5					
		SOLOMON ISLANDS						
		LPB	EPKP	17 31 17				123.0
			ESS	49 38				
		PNS	EPKP	17 31 17				
SEP	22	PNS	EP	19 19 39.6				3.0
			ES	20 16				
SEP	22	PNS	EP	19 47 40				2.2
			S	48 07.5				
SEP	22	USCGS	20 01 49.3, 5.4S, 151.5E, H = 57 Km, M = 6.5					
		NEW BRITAIN REGION						
		PNS	EPKP	20 20 51				
			PPKP	21 07.5				
			E	24 01.5	D			
			EPKS	24 36.5				
		LPB	EPKP	20 21 02				135.2
			PPKP	21 07				
			PKS	24 36				
			L	21 07 00				
		LPZ	EPKP	20 21 04				
			EL	21 08 00				
		SCS	EPKP	20 21 05.6	D			
SEP	22	USCGS	20 35 27, 7.2N, 72.9W, H = 111 Km, M = 3.8					
		NORTHERN COLOMBIA						
		PNS	P	20 40 26.4				24.1
		LPB	EP	20 40 32				
			EL	47 00				
SEP	22	PNS	EP	22 12 59.5				2.1
			S	13 26				
		LPB	EP	22 13 05				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	22	USCGS	22 08 01.1, 36.4N, 141.3E, H = 44 Km, M = 6.5					
		NEAR E. COAST HONSHU, JAPAN						
		PNS	EPKP	22 27 40.8				
			EPP	31 10				
			PKS	31 16				
		LPZ	PKP	22 27 42				
			EPKP2	22 27 46				
			EL	23 17 00				
		LPB	IPKP	22 27 42.2	D	1.0	80.0	147.5
			PKP2	27 46.5				
			PPKP	27 53				
			EPP	31 11				
			ESKS	34 05				
			L	23 17 00				
		SCS	PKP	22 27 44.0	D			
		TRJ	PKP	22 27 57.0	D			
SEP	22	PNS	IP	23 25 43.7	D			2.3
			E(S)	26 12.2				
		LPZ	IP	23 25 44				
		LPB	IP	23 25 46.0	D	0.6	176.0	0.3
			S	25 54.5				
		DSG	EP	23 25 53.6				
		SCS	IP	23 26 00.5	D			
SEP	22	USCGS	23 38 01.9, 12.6S, 166.6E, H = 115 Km, M = 5.3					
		SANTA CRUZ ISLANDS						
		LPB	EPKP	23 56 38				119.0
			EL	00 34 00				
		PNS	EPKP	23 56 38.8				
SEP	23	PNS	P	01 10 13.6				2.3
			S	10 42				
SEP	23	PNS	P	01 20 09.5				
SEP	23	LPB	EP	01 28 51				
		PNS	EP	01 28 52.4				4.3
			S	29 42.3				
SEP	23	TRJ	P	01 53 37.3	C			2.8
			IS	54 11.4				
SEP	23	PNS	EP	02 06 40.6				3.8
			ES	07 25.8				
SEP	23	PNS	EP	02 16 10				2.5
			ES	16 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	23	LPB	P	02 17 12				
		PNS	EP	02 17 14				3.9
			ES	18 00.7				
SEP	23	PNS	EP	03 12 20.7				
SEP	23	PNS	EP	05 06 46				0.9
			S	06 59				
SEP	23	USCGS	05 10 35, 10.2S, 123.9E, H = 117 Km, M = 5.2					
		TIMOR						
		LPB	PKP	05 30 21.2				150.9
			PPKP	30 48.0				
			ESS	53 36				
			EL	06 23 00				
		PNS	EPKP	05 30 21.7				
SEP	23	PNS	EP	05 34 56				
SEP	23	PNS	EP	05 59 38.6				
SEP	23	PNS	P	07 02 03.7				
SEP	23	USCGS	09 18 13, 41.1S, 43.0E, H = 33 Km, M = 4.3					
		PRINCE EDWARD ISLANDS REGION						
		PNS	EP	09 31 37.5				
SEP	23	PNS	EP	09 36 57.3				
SEP	23	LPB	EP	09 44 35				
		LPZ	EP	09 44 40				
		PNS	EP	09 44 41.5				
SEP	23	PNS	EP	10 37 05.5				
SEP	23	[illegible]	EP	11 26 14.5	C			
		[illegible]S	P	11 26 21.6				
		PNS	IP	11 26 25.1	C	1.2	29.7	2.8
			S	26 58.7				
		LPZ	IP	11 26 25.5				
		LPB	IP	11 26 25.5	C	1.1	120.7	2.6
			S	26 57				
		CCH	P	11 26 40.5	D			
SEP	23	TRJ	P	11 58 08.9	D			2.5
			S	58 39.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	23	TRJ	P	12 26 06.4	D			
			S	26 46.4				3.4
SEP	23	LPB	EP	12 58 17				
		PNS	EP	12 58 19				3.7
			ES	59 03.5				
SEP	23	PNS	IP	14 18 40.0	C	0.5	7.7	1.8
			ES	19 02.5				
SEP	23	PNS	EP	14 35 45				
		LPB	EP	14 35 46				
SEP	23	USCGS	15 16 59, 36.8S, 91.7W, H = 33 Km, M = 4.2					
		WEST CHILE RISE						
		LPB	P	15 23 05				29.2
		PNS	IP	15 23 05.1	C	1.6	173.1	
SEP	23	LPB	EP	15 31 56				
		PNS	EP	15 31 58.3				2.1
			ES	32 25				
SEP	23	PNS	EP	15 57 10.5				
		LPB	EP	15 57 12				
SEP	23	LPB	EP	16 31 18				
		PNS	EP	16 31 36.6				1.9
			ES	32 00.7				
SEP	23	LPB	P	17 45 29				
		PNS	P	17 45 57.6				
SEP	23	PNS	EP	17 49 13				
SEP	23	PNS	IP	18 44 23.9				2.6
			S	44 55.5				
		LPB	P	18 44 28.5	D	1.0	65.0	3.1
			IS	45 05.2				
		SCS	P	18 44 36.5	D			
SEP	23	PNS	P	18 50 27.0		0.8	4.6	1.9
			S	50 50.3				
SEP	23	USCGS	19 04 06.3, 7.6S, 130.7E, H = 17 Km, M = 4.7					
		TANIMBAR ISLANDS REGION						
		LPB	PKP	19 23 59.4		1.1	40.2	149.8
			EL	20 14 00				
		PNS	PKP	19 24 00.0		1.7	88.3	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	23	PNS	IP	21 52 12.3	D	0.8	39.9	1.8
			S	52 35.0				
SEP	23	PNS	P	21 55 19.4	D			1.9
			S	55 42.5				
SEP	23	DSC	P	21 59 01				
SEP	23	LPB	EP	22 17 15				
		PNS	EP	22 17 16.5		0.6	3.3	2.0
			ES	17 42				
SEP	24	PNS	P	00 22 48.7		0.4	18.1	
SEP	24	PNS	EP	00 40 13.3				
SEP	24	TRJ	IP	01 09 31.9	D			6.8
			S	10 50.6				
		PNS	EP	01 10 20				
SEP	24	PNS	EP	01 31 30				
SEP	24	PNS	P	01 53 21.8				
SEP	24	PNS	P	02 17 03.5		0.5	38.3	3.4
			S	17 43.5				
SEP	24	USCGS 03 33 50, 16.1N, 105.2W, H = 33 Km, M = 4.6 OFF COAST OF MICHOACAN, MEXICO						
		PNS	EP	03 42 23.3				
		LPB	P	03 42 26.5		1.0	13.0	49.2
			EL	57 00				
SEP	24	PNS	EP	04 40 52.4				2.6
			S	41 23.2				
		LPB	EP	04 41 02				
SEP	24	PNS	E(P)	05 51 07.6				
SEP	24	TRJ	EP	06 35 44.9	C			
		PNS	EP	06 36 11.5				
			E	36 45				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	24	USCGS 06 59 33.2, 21.3S, 68.8W, H = 125 Km, M = 4.5 CHILE-BOLIVIA BORDER REGION						
		TRJ	IP	07 00 28.6	C			
		SCS	P	07 00 36.4	D			
		LPB	P	07 00 45.1	C	0.8	15.4	4.9
			ES	01 46				
		PNS	P	07 00 48.6		1.4	38.1	5.0
			S	01 46.2				
SEP	24	PNS	P	07 06 56.6				0.9
			S	07 08.7				
SEP	24	TRJ	P	07 11 23.5	D			
		LPB	EP	07 12 20				
		PNS	P	07 12 23.2		0.9	5.1	1.9
			ES	12 46.5				
			E	13 49.4				
SEP	24	PNS	P	07 20 01.9				1.8
			S	20 24				
SEP	24	LPB	EP	07 59 08				
		PNS	EP	07 59 09.4				2.2
			S	59 36.5				
SEP	24	USCGS 09 40 40.1, 9.3S, 78.8W, H = 49 Km, M = 4.5 NEAR COAST OF NORTHERN PERU						
		PNS	EP	09 43 35				11.9
			E	43 56				
			S	45 48.4				
		LPB	EP	09 43 41				127.0
			EL	47 00				
		SCS	P	09 43 54.4	D			
		TRJ	P	09 44 50.5	D			
SEP	24	PNS	P	11 06 31.8	D	0.8	9.9	0.6
			S	07 36.8				
SEP	24	PNS	EP	11 10 14.7				1.9
			IS	10 37.5				
SEP	24	PNS	EP	11 51 42.9				
SEP	24	TRJ	P	16 37 58.5	D			2.6
			(S)	38 29.4				
		PNS	P	16 38 24.4	D			
		LPB	EP	16 38 25				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	24	PNS	EP	16 45 40				1.8
			S	46 02.3				
SEP	24	USCGS	17 13 52.2, 20.2N, 105.7W, H = 33 Km, M = 4.7					
			NEAR COAST JALISCO, MEXICO					
		PNS	P	17 22 57.5		1.9	101.0	
		LPB	EP	17 22 59				51.7
			EL	37.4				
		LPZ	EP	17 22 59				
SEP	24	PNS	P	17 39 32				
SEP	24	USCGS	20 38 07.6, 5.2N, 96.1E, H = 33 Km, M = 5.2					
			NORTHERN SUMATRA					
		LPB	EPKP	20 58 13				169.2
			EPKP2	59 24				
			EL	21 59				
		PNS	EPKP	20 58 13.4				
		LPZ	EPKP	20 58 14				
SEP	24	LPB	EP	20 58 08				
		PNS	EP	20 58 52.8				
SEP	24	PNS	EP	20 59 50.8				1.8
			S	21 00 13.2				
SEP	24	PNS	EP	21 50 04.9				
SEP	24	USCGS	23 53 42.1, 13.1N, 145.3E, H = 58 Km, M = 5.3					
			MARIANA ISLANDS					
		LPB	PKP	00 13 22.5				135.5
			PPKP	13 29				
			EL	56 00				
		LPZ	EPKP	00 13 22.5				
		PNS	EPKP	00 13 22.5				
			IPKP	13 30.1				
		SCS	PKP	00 13 26.0	D			
		TRJ	EPKP	00 13 26.8	C			
SEP	25	USCGS	00 10 59, 13.3N, 145.2E, H = 66 Km, M = 4.9					
			MARIANA ISLANDS					
		TRJ	EPKP	00 30 32.6	D			
			EPKP2	30 45.4	C			
		PNS	PKP	00 30 37				
			IPKP2	30 45.3	D			
			PP	34 16.8				
		LPB	EPKP	00 30 38				147.9
			PKP2	30 43				
			PPKP	30 51				
			EPP	34 14				
			ESKS	37 28				
				01 20 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		LPZ	EPKP	00 30 38				
		SCS	EPKP	00 30 44.9				
SEP	25	USCGS	00 43 26, 12.4N, 144.6E, H = 33 Km, M = 4.6					
			SOUTH OF MARIANA ISLANDS					
		LPB	EPKP	01 03 13				148.2
			EL	53 00				
		PNS	EPKP	01 03 15				
SEP	25	PNS	P	01 34 02				3.7
			S	34 46.5				
		LPB	EP	01 34 05				
SEP	25	LPB	EP	01 40 47				
		PNS	EP	01 40 50		1.2	16.1	5.2
			ES	41 50.7				
SEP	25	USCGS	02 01 17.2, 24.5S, 175.9W, H = 22 Km, M = 5.2					
			SOUTH OF TONGA ISLANDS					
		LPB	EP	02 14 46				97.9
			EL	48 00				
SEP	25	PNS	P	02 45 38.9		0.7	3.8	
SEP	25	USCGS	02 55 40.1, 36.1S, 103.3W, H = 33 Km, M = 4.6					
			SOUTHERN PACIFIC OCEAN					
		PNS	EP	03 02 45.6		2.2	448.0	
		LPB	P	03 02 47				37.0
			S	08 27				
			L	13.1				
SEP	25	LPB	EP	04 56 48				
		PNS	EP	04 56 57.5				
SEP	25	PNS	EP	05 33 32				
		LPB	EP	05 33 35				
SEP	25	DSG	EP	05 48 54.1	C			
SEP	25	USCGS	10 55 59.8, 1. S, 21.9W, H = 33 Km, M = 5.3					
			CENTRAL MID ATLANTIC RIDGE					
		LPB	P	11 04 38.3		1.0	50.0	48.5
			ES	11 30				
			EL	19.8				
		LPZ	P	11 04 40				
		PNS	EP	11 04 41		1.7	112.1	46.0
			ES	11 24.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	25	PNS	EP	12 13 33.1				1.9
			S	13 55.5				
SEP	25	USCGS	14 37 15.4, 39.7N, 143.2E, H = 44 Km, M = 5.3					
			OFF E. COAST HONSHU, JAPAN					
		PNS	EPKP	14 56 48.5				
			E	58 58				144.5
		LPB	EPKP	14 56 50				
			EL	15 46 00				
		SCS	EPKP	14 56 52.6				
		TRJ	EPKP	14 57 05.0	D			
SEP	25	USCGS	14 42 26.1, 39.8N, 143.1E, H = 20 Km, M = 5.0					
			OFF E. COAST HONSHU, JAPAN					
		PNS	EPKP	15 02 04.5				
			E	02 41				
		LPZ	EPKP	15 02 05				144.6
		LPB	EPKP	15 02 06				
			EL	50.8				
		SCS	EPKP	15 02 08.9				
SEP	25	USCGS	14 53 34.9, 39.6N, 143.2E, H = 43 Km, M = 5.5					
			OFF E. COAST HONSHU, JAPAN					
		PNS	EPKP	15 13 08				
		LPB	EPKP	15 13 09				144.6
			EL	16 00 00				
		SCS	EPKP	15 13 12.7				
SEP	25	PNS	P	15 36 25				1.8
			S	36 47.2				
SEP	25	USCGS	15 47 58.4, 41.3N, 74.9E, H = 33 Km, M = 5.6					
			KIRGIZ SSR					
		LPB	EPKP	16 07 26				139.6
			EL	55 00				
		PNS	EPKP	16 07 27.3				
SEP	25	USCGS	15 49 53, 9.9S, 148.4E, H = 57 Km, M = 4.7					
			EAST NEW GUINEA REGION					
		LPB	EPKP	16 09 11				135.2
		PNS	EPKP	16 09 11.3				
SEP	25	USCGS	16 27 15, 32.3S, 90.7W, H = 33 Km, M = 5.0					
			S. E. CENTRAL PACIFIC OCEAN					
		PNS	EP	16 32 45				
			E	33 51.8				26.0
		LPB	EP	16 32 46				
			L	39.5				
		LPZ	EP	16 32 46				
				40 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	25	USCGS	16 52 09.6, 12.9N, 145.3E, H = 42 Km, M = 5.1					
			SOUTH OF MARIANA ISLANDS					
		LPB	PKP	17 11 51.3				147.5
			PPKP	12 06.5				
			L	18 00.8				
		PNS	EPKP	17 11 51.6		1.9	12.4	
			E	14 07.8				
		LPZ	EPKP	17 11 52				
			EL	18 01 00				
		SCS	PKP	17 11 54.8	D			
SEP	25	PNS	EP	17 29 56				3.5
			ES	30 36.7				
SEP	25	USCGS	17 43 42.6, 34.7N, 116.5W, H = 16 Km, M = 5.5					
			SOUTHERN CALIFORNIA					
		LPB	EP	17 54 46				67.8
			EL	18 17 00				
SEP	25	PNS	EP	18 12 37.7				
SEP	25	PNS	P	19 06 58.4		1.1	11.9	3.7
			S	07 42.7				
SEP	25	USCGS	20 59 18.6, 24.5S, 68.6W, H = 102 Km, M = 5.1					
			CHILE-ARGENTINA BORDER REGION					
		LPB	P	21 01 14.6				8.1
		LPZ	EP	21 01 16				
		PNS	IP	21 01 17.6	D	1.4	99.1	8.1
			IS	02 50.0				
			ESS	03 06				
SEP	25	PNS	EP	21 50 00				
			E	50 01.5				
SEP	25	TRJ	IP	23 57 49.4	D			
SEP	26	USCGS	00 20 37, 24.3S, 69.2W, H = 115 Km, M = 4.5					
			NORTHERN CHILE					
		LPB	EP	00 22 30				8.1
		PNS	EP	00 22 33				2.5
			E	22 40				
			ES	23 02.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	26	USCGS	00 36 24, 18.4N, 101.2W, H = 93 Km, M = 4.8					
		GUERRERO, MEXICO						
		PNS	P	00 44 48.9		2.0	97.4	46.5
			IPP	45 08.1				
			ES	51 32.5				
		LPZ	EP	00 44 50				47.7
		LPB	P	00 44 51.5				
			PP	45 10.5				
SEP	26	PNS	P	00 59 47.7				3.7
			S	01 00 31.8				
SEP	26	PNS	P	02 29 16		0.5	2.6	3.3
			S	29 55.5				
		LPB	EP	02 29 18				
SEP	26	TRJ	(IP)	03 21 18.6	D			3.6
			S	22 01.5				
		SCS	P	03 21 19.6	D			
		CCH	EP	03 21 26.2				
		LPB	P	03 21 28				
		LPZ	EP	03 21 29				
		PNS	IP	03 21 31.5	C	1.0	12.6	4.6
			S	22 26.0				
SEP	26	USCGS	05 47 59, 13.4S, 70.6W, H = 78 Km, M = 4.2					
		PERU						
		PNS	IP	05 48 53.2	D	1.0	16.0	4.5
			IPG	48 58.0				
			S	49 45.5				3.6
		LPB	P	05 48 58				
			PG	49 05				
		SCS	P	05 49 08.8	D			8.7
		CCH	(P)	05 49 19.0				
			IS	50 58.1	C			
		TRJ	(EP)	05 50 19				
			EPG	50 34.7	D			
		LPZ	EP	05 58 56				
SEP	26	PNS	P	06 26 24.0		0.4	2.2	2.3
			E(S)	26 52.5				
SEP	26	TRJ	P	06 37 10.7	D			
SEP	26	LPB	EP	07 45 30.5				1.2
		PNS	EP	07 45 37.5				
			ES	45 53				
SEP	26	LPB	EP	09 15 04				
		PNS	P	09 15 06.3		1.0	7.1	1.4
			S	15 24.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	26	LPB	EP	09 56 05				
		PNS	IP	09 56 07.0	D	0.6	7.2	2.1
			S	56 33.3				
SEP	26	TRJ	P	10 11 45.9	D			2.6
			S	12 16.7				
		LPB	EP	10 12 17				
		PNS	P	10 12 21	D	0.7	7.0	2.9
			S	12 55				
SEP	26	USCGS	10 03 18.4, 54.3N, 35.2W, H = 33 Km, M = 4.0					
		NORTH ATLANTIC OCEAN						
		LPB	EP	10 15 02				76.0
			EL	29 00				
		PNS	EP	10 15 02				
SEP	26	LPB	EP	10 35 35				
		PNS	EP	10 35 35.8				2.5
			S	36 06				
SEP	26	PNS	P	10 39 41.4				
SEP	26	USCGS	13 15 57, 22.7S, 176.1W, H = 33 Km, M = 5.0					
		SOUTH OF FIJI ISLANDS						
		LPB	EP	13 29 32				99.5
			EL	14 04 00				
SEP	26	PNS	EP	14 07 48.5				
SEP	26	LPB	EP	14 10 59				
		PNS	P	14 11 00	D	1.4	48.8	5.5
			E(S)	12 03				
SEP	26	USCGS	14 20 00, 13.8S, 73.0W, H = 67 Km, M = 3.7					
		PERU						
		PNS	EP	14 21 15				5.0
			I	21 28.5				
			ES	22 13.5				
		LPB	EP	14 21 21				5.4
			I(PN)	21 36				
SEP	26	PNS	EP	15 37 40				0.9
			E(S)	37 53				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	26	TRJ	IP	16 53 38.3	C			3.4
			S	54 18.0				
		LPB	IP	16 54 05				
		PNS	P	16 54 08.6		0.8	9.1	6.2
			(S)	55 20				
			E	55 31				
SEP	26	PNS	IP	17 19 25.5	D	0.7	63.1	1.9
			IS	19 50.0				
		LPB	IP	17 19 25.8				2.1
			S	19 52				
SEP	26	PNS	EP	18 55 07				1.5
			E(S)	55 26				
			E	55 31.4				
		LPB	EP	18 55 08				
SEP	26	PNS	EP	19 15 36				1.4
			S	15 54				
SEP	26	PNS	IP	19 20 13.7	D	0.8	11.8	1.9
			S	20 37.7				
SEP	26	PNS	EP	19 50 32.6				
SEP	26	LPB	EP	21 02 15				
		PNS	IP	21 02 38.8	C	1.0	10.6	6.9
			E	02 58.4				
			E(S)	03 57				
SEP	26	USCGS	21 33 54.4, 54.8S, 38.2W, H = 33 Km, M = 6.3					
		SOUTH GEORGIA ISLAND REGION						
		TRJ	IP	21 41 20.6	D			
		LPZ	IP	21 42 05.5				
			IS	48 43				
		LPB	EP	21 42 06		1.2	182.0	44.8
			PP	43 52.2				
			S	48 44				
			IS	48 57				
			SS	52 03				
			L	55.6				
		PNS	IP	21 42 10.2	C	1.8	716.4	45.0
			IPP	44 04.0				
			ES	48 49				
SEP	26	PNS	EP	23 16 13.3				
			E	16 35				
SEP	26	PNS	EP	23 16 58.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	27	PNS	EP	00 08 53				
SEP	27	PNS	EP	00 24 30				
SEP	27	PNS	EP	00 41 39.4				3.1
			S	42 16.6				
SEP	27	PNS	EP	02 38 44.5				
		LPZ	EP	02 38 46				
		LPB	EP	02 38 50				
SEP	27	TRJ	IP	02 51 05.7				2.6
			S	51 36.6				
SEP	27	USCGS	03 15 56, 1.4S, 80.6W, H = 94 Km, M = 4.6					
		NEAR COAST OF ECUADOR						
		PNS	P	03 20 13.4		2.3	884.6	17.0
			ES	23 26.5				
		LPZ	P	03 20 17				
		LPB	P	03 20 18.0		0.9	42.5	19.6
			L	25 00				
		SCS	IP	03 20 27.0	D			
		TRJ	P	03 21 16.5	D			
SEP	27	PNS	EP	04 24 46.5				
SEP	27	LPB	EP	04 43 33				
		PNS	P	04 43 38.0				
SEP	27	PNS	EP	04 44 02.0				1.3
			I(PN)	44 06.5				
			S	44 19.0				
			E	44 29.0				
		LPB	EP	04 44 06				
SEP	27	PNS	P	04 53 33.5				1.6
			ES	53 54				
SEP	27	USCGS	05 09 13, 51.9N, 175.5E, H = 41 Km, M = 5.5					
		RAT ALEUTIAN ISLANDS						
		LPB	EPKP	05 27 49				119.5
			EL	06 02 00				
		PNS	EPKP	05 27 59.2				
SEP	27	TRJ	P	05 28 12.1	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	27	PNS	P	06 10 07.0				1.9
			S	10 30.0				
SEP	27	TRJ	P	08 21 37.9	C			3.3
			S	22 16.6				
		CCH	EP	08 21 50.3				
		LPB	EP	08 21 55				
		PNS	P	08 21 58.2		0.5	2.7	2.0
			S	22 23.7				
SEP	27	PNS	P	09 24 23.0				
SEP	27	PNS	P	12 20 30.0		1.0	17.8	1.9
			S	20 54.3				
SEP	27	LPB	EP	15 11 09				5.6
		PNS	EP	15 11 13.5				
			E(S)	12 17.5				
SEP	27	LPB	EP	15 34 30				3.3
			S	35 08.7				
		PNS	P	15 34 30.5		0.7	3.9	3.6
			ES	35 13.3				
SEP	27	PNS	EP	16 40 44				3.3
			S	41 23				
SEP	27	PNS	P	19 18 32.0				1.8
			ES	18 54.2				
			E	19 03.8				
SEP	27	PNS	IP	19 34 46.0	D	0.6	26.4	1.9
			ES	35 10				
SEP	27	PNS	EP	20 29 27.6				1.6
			ES	29 47.6				
		LPB	EP	20 29 33				
SEP	27	USCGS	20 39 40.4, 45.9N, 151.1E, H = 33 Km, M = 4.8					
		KURILE ISLANDS						
		PNS	EPKP	20 59 06				137.5
		LPB	EPKP	20 59 06				
SEP	27	PNS	P	21 22 40.4		0.4	4.5	1.6
			S	23 04.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	27	PNS	IP	21 38 05.4	D	0.6	6.5	1.8
			S	38 27.7				
SEP	27	PNS	E(P)	21 59 52				2.8
			S	22 00 25.6				
SEP	27	PNS	P	23 25 32.8		0.6	3.2	
SEP	28	TRJ	P	00 08 27.4	C			
SEP	28	LPB	EP	02 29 16				2.4
			S	30 45.5				
		PNS	P	02 29 18		1.4	35.0	3.8
			E(S)	30 02.5				
SEP	28	PNS	P	03 20 42.5		0.6	3.9	1.8
			ES	21 04.8				
SEP	28	PNS	EP	03 26 39.2				3.8
			ES	27 24				
SEP	28	LPB	EP	03 31 09.5				
		PNS	EP	03 31 11				
SEP	28	PNS	P	04 22 11.7				
SEP	28	USCGS	05 06 36.8, 28. S, 178.1W, H = 33 Km, M = 6.6					
		KERMADEC ISLANDS						
		PNS	P	05 20 13				
		LPB	EP	05 20 15				99.8
			S	31 06				
			L	05 52.4				
		LPZ	EL	05 52 00				
SEP	28	LPB	EP	05 50 36				1.6
			S	50 56				
SEP	28	PNS	IP	05 54 11.4	D			1.7
			S	54 33.8				
SEP	28	LPB	EP	07 11 20				
		PNS	P	07 11 24.0		0.7	3.8	1.7
			S	11 45				
SEP	28	PNS	EP	07 34 26.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	28	PNS	EP	07 36 28.7		0.2	2.0	
SEP	28	PNS	EP	07 42 55				
SEP	28	LPB	EP	07 49 08				
		PNS	P	07 49 08.7				3.1
			S	49 45.3				
SEP	28	USCGS 07 47 37.8, 29.3N, 142.0E, H = 33 Km, M = 5.0 SOUTH OF HONSHU, JAPAN						
		PNS	EPKP	08 07 23				
			EPPKP	07 27.5				
			E	07 46.4				
		LPB	EPKP	08 07 23.5				149.6
			PPKP	07 27.5				
			EL	58 00				
		LPZ	EPKP	08 07 24				
SEP	28	USCGS 08 03 07, 29.3N, 141.9E, H = 33 Km, M = 4.5 SOUTH OF HONSHU, JAPAN						
		PNS	EPKP	08 52 55.8				
			E	52 55.7				
SEP	28	PNS	EP	08 42 07.4				
SEP	28	USCGS 10 01 04.2, 14. S, 166.3E, H = 26 Km, M = 4.6 NEW HEBRIDES ISLANDS						
		LPB	P	10 19 30.5				118.5
		PNS	PKP	10 19 31.0		1.0	9.5	
SEP	28	USCGS 11 17 29.4, 59.4S, 27.1W, H = 33 Km, M = 4.8 SOUTH SANDWICH ISLANDS REGION						
		LPB	P	11 26 40		1.2	97.5	54.9
			S	34 08				
			EL	42 00				
		LPZ	P	11 26 41				
		PNS	EP	11 26 42.5				55.0
			ES	34 21.7				
SEP	28	PNS	EP	12 25 03.7				11.0
			E(S)	27 07				
		LPB	EP	12 25 33				10.3
			S	27 29				
SEP	28	PNS	EP	15 03 53.9				
		LPB	EP	15 03 59				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	28	LPB	P	15 42 14				
		PNS	IP	15 42 14.2	D	0.6	19.1	1.9
			S	42 37.5				
SEP	28	PNS	P	15 55 11				2.1
			S	55 37				
SEP	28	PNS	EP	16 39 26.5				2.8
			ES	40 01.0				
		LPB	EP	16 39 32				
SEP	28	PNS	EP	18 07 29.2				2.1
			ES	07 55.5				
SEP	28	PNS	EP	18 21 09.5				
			E(PN)	21 20				
			E	21 37.3				
		LPB	P	18 21 14				
			(PN)	21 26.5				
SEP	28	PNS	P	18 32 06.0		1.3	24.6	
			E	32 29.3				
		LPB	P	18 32 06.5				
SEP	28	USCGS 18 40 58, 22.3S, 68.8W, H = 130 Km, M = 4.1 NORTHERN CHILE						
		TRJ	IP	18 41 48.8	D			3.4
			S	42 28.7				
		LPB	EP	18 42 23				5.8
		LPZ	EP	18 42 24				
		PNS	IP	18 42 26.2	C	1.2	38.4	5.9
			ES	43 34.3				
SEP	28	PNS	P	18 45 49.1		0.5	3.8	0.9
			S	46 02.5				
SEP	28	PNS	IP	19 34 08.5	C	0.6	5.9	
SEP	28	PNS	P	20 13 15.6				1.9
			IS	13 38.4				
SEP	28	LPB	EP	21 34 34				
		PNS	IP	21 34 37.0	D	0.7	11.7	2.2
			S	35 04.0				
SEP	28	USCGS 22 35 02, 27.1S, 70.8W, H = 33 KM, M = 4.7 NEAR COAST OF NORTHER CHILE						
		PNS	EP	22 37 30.5				11.6
			ES	39 41.0				
		LPB	EP	22 37 33				11.2
			EL	41 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	28	PNS	IP	22 42 19.8	D	0.5	4.9	1.6
			E(S)	42 39.7				
		LPB	EP	22 42 27				
SEP	28	LPB	EP	23 55 18				
		PNS	EP	23 55 20				
SEP	29	PNS	EP	02 50 20				3.9
			S	50 59				
			E	51 12				
		LPB	EP	02 50 26				
SEP	29	PNS	P	03 25 26.2	C	0.4	4.4	2.4
			ES	25 55				
SEP	29	PNS	EP	04 23 03.5				
SEP	29	USCGS	05 06 52.2, 59.2S, 25.3W, H = 33 Km. M = 5.4					
		SOUTH SANDWICH ISLANDS REGION						
		TRJ	(EP)	05 15 18.1	C			
		PNS	EP	05 16 04.8				
		LPZ	EP	05 16 05				52.7
		LPB	EP	05 16 05				
			EL	32.5				
SEP	29	PNS	EP	05 21 04				
SEP	29	PNS	P	05 23 06.0		0.6	5.7	0.6
			S	23 15.5				
		LPB	EP	05 23 07				
SEP	29	CCH	IP	05 42 59.7	D			
		LPZ	P	05 43 08				
		LPB	P	05 43 08.1		0.7	18.2	
			S	43 44				
		PNS	IP	05 43 12.0	C	1.4	194.5	3.1
			S	43 49.1				
		TRJ	P	05 43 12.2	D			
SEP	29	PNS	EP	06 09 59.4				2.4
			S	10 28				
		LPZ	EP	06 10 02				
		LPB	EP	06 10 03				
SEP	29	PNS	P	06 34 09.1				2.1
			E(S)	34 35.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	29	LPB	P	06 36 47				
		PNS	EP	06 36 48				
SEP	29	PNS	EP	07 59 28				
			S	08 00 13				3.8
		LPB	EP	07 59 32				
			S	08 00 51.5				6.9
SEP	29	PNS	IP	09 07 19.0	C	0.6	5.7	1.8
			IS	07 41.3				
SEP	29	PNS	IP	09 12 50.9	C	0.4	2.2	
SEP	29	PNS	EP	09 15 36.5				
SEP	29	PNS	EP	09 24 16				
		LPB	EP	09 24 24				
SEP	29	PNS	EP	10 02 30				
SEP	29	PNS	EP	11 33 25.4				
		LPB	EP	11 33 32				
SEP	29	TRJ	EP	11 51 24.4	D			
SEP	29	TRJ	P	13 08 25.2	D			
		PNS	P	13 09 24.1				
SEP	29	TRJ	P	15 15 23.4	C			
		PNS	P	15 15 30.0				
		LPB	EP	15 15 43				
SEP	29	PNS	IP	16 03 59.8		0.5	4.2	2.0
			S	04 25.3				
SEP	29	PNS	EP	16 26 25.5				
SEP	29	TRJ	P	16 46 35.6	D			3.2
			S	47 13.5				
		LPB	P	16 46 36				
		PNS	EP	16 46 59				1.7
			ES	47 20				
SEP	29	PNS	EP	17 12 02				3.2
			ES	12 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	29	LPB	EP	17 27 15				
		PNS	EP	17 27 17.3				4.7
			ES	28 12				
SEP	29	PNS	IP	20 21 01.7	D	0.7	11.4	1.6
			S	21 22.2				
SEP	29	LPB	EP	21 39 34				
		PNS	EP	21 39 44.8				6.3
			S	40 57.5				
SEP	29	PNS	P	22 24 33.7	C	0.6	5.1	0.8
			S	24 46				
SEP	29	USCGS 23 20 19, 45.1N, 28.2W, H = 33 Km, M = 5.4 NORTH ATLANTIC RIDGE						
		PNS	EP	23 31 37		1.9	104.7	
		LPB	P	23 31 57.2				71.2
			I	54 00				
SEP	30	PNS	EP	00 27 05				
SEP	30	TRJ	IP	01 26 26.9	D			2.6
			(S)	26 58.5				
		LPB	IP	01 27 19.5				
		PNS	IP	01 27 23.9	D	1.0	47.1	6.7
			S	28 40				
SEP	30	USCGS 01 25 20, 4.1N, 82.6W, H = 33 Km, M = 4.1 SOUTH OF PANAMA						
		PNS	IP	01 30 40.6	D	1.6	63.1	25.2
			I	30 43.0				
			ES	35 04				
		LPZ	EP	01 30 41				
		LPB	P	01 30 42.5				25.0
SEP	30	USCGS 04 10 35.3, 20.3N, 105.7W, H = 33 Km, M = 4.3 NEAR COAST JALISCO, MEXICO						
		PNS	P	04 19 40.0	C	1.8	66.6	52.0
			ES	26 58.7				
		LPB	EP	04 19 40				51.7
			EL	31 00				
SEP	30	TRJ	P	05 31 29.5	C			3.8
			S	32 15.0				
		LPB	P	05 31 45.3				5.5
			S	32 50.2				
		LPZ	EP	05 31 46				
		PNS	P	05 31 47.6	C	1.2	27.2	5.2
			ES	32 47.6				
				33 14.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	30	LPB	P	06 12 43.0		0.9	18.7	3.2
			S	13 21				
		PNS	IP	06 12 44.8	C	0.9	24.6	3.2
			IS	13 23.0				
SEP	30	PNS	IP	06 17 29.8	D	0.6	7.2	1.9
			ES	17 54.0				
		LPB	EP	06 17 30				
SEP	30	LPB	EP	06 42 16				
		PNS	EP	06 42 20.4				4.7
			E	42 40.8				
			IS	43 14.8				
SEP	30	USCGS 07 07 44.3, 21.1S, 179.2W, H = 604 Km, M = 5.4 FIJI ISLANDS REGION						
		PNS	EP	07 21 25				
SEP	30	PNS	IP	07 29 23.9	D	0.5	9.2	2.1
			S	29 49.8				
SEP	30	PNS	P	07 53 06.9		0.9	8.2	2.0
			(S)	53 32.5				
SEP	30	PNS	IP	11 20 49.6	D	0.7	15.4	1.8
			IS	21 11.7				
SEP	30	USCGS 11 35 07, 3.1 S, 79.0W, H = 75 Km, M = 3.8 PERU-ECUADOR BORDER REGION						
		LPB	EP	11 38 55				16.8
		LPZ	EP	11 38 58				
		PNS	EP	11 39 00				16.0
			I	39 30.0				
			ES	41 57				
		TRJ	(EP)	11 40 05				
SEP	30	TRJ	P	12 29 44.6	D			
		PNS	EP	12 30 30.6				
		LPB	EP	12 30 38				14.4
			(S)	33 18				
SEP	30	PNS	EP	14 50 20.5				5.4
			E	50 49.7				
			IS	51 23.5				
		LPB	EP	14 50 46				
SEP	30	PNS	EP	14 54 22.5				1.9
			ES	54 46.4				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	30	PNS	P	15 54 22.5		0.4	2.3	1.8
			IS	54 44.4				
SEP	30	PNS	EP	16 43 22.5				2.3
			ES	43 51				
SEP	30	PNS	IP	18 57 55.8	C	0.4	3.2	2.7
			IS	58 27.6				
SEP	30	USCGS	23 47 40.7, 59.7N, 143.4W, H = 19 Km, M = 4.8					
		GULF OF ALASKA						
		LPB	EP	00 01 42				96.8
			PP	05 32				
			S	12 04				
			PS	14 07				
			G	28 00				
			L	34.8				
		PNS	EP	00 01 43				
		LPZ	EL	00 35 00				

Impreso en el Servicio de Ayuda Técnica Escolar. La Paz.