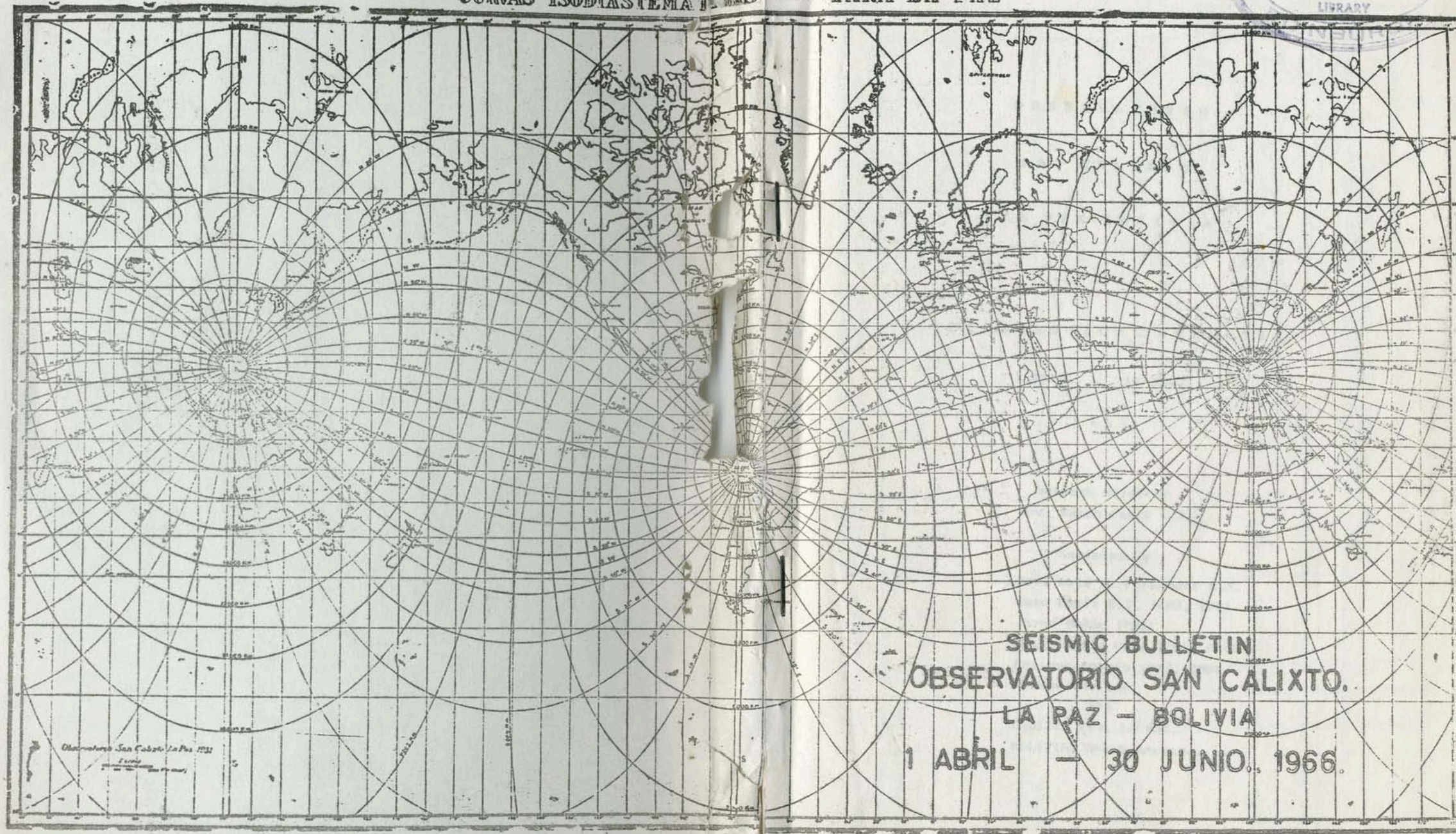
CURVAS ISODIASTEMATICAS —— PARA LA PAZ



SEISMIC BULLETIN

OBSERVATORIO SAN CALIXTO.

LA PAZ — BOLIVIA

1 ABRIL — 30 JUNIO 1966

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 APRIL - 30 JUNE

1 9 6 6

Network Director
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Assisted by

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Casilla 281, 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 Tg=.337 sec	400,000 at 1 cps
					SP Hor. Benioff, To=1 sec, Tg=.2 sec	500,000 at 1 cps
La Paz (WWSSS)	LPB	16° 31'57.6"S	68° 05'54.1"W	3292	LP, three compohents Sprengnether, To= 20 sec., Tg= 30 sec	50,000 at 25 sec
					SP vertical Benioff, To= 1.sec.Tg=.75sec	50,000 at 1 cps
					SP horizontal Benioff, To= 1.sec.Tg= .75 sec	50.000 at 1 cps
La Paz (Colegio)	LPZ	16° 29'43"S	68° 07'57.7"W	3658	LP, three components Sprengnether, To= 5 sec., Tg= 100 sec.	1,5000 at 30 sec,
					Wilson-Lamison, SP vertical,To=1.2 sec TG= 1.sec.	
					LP, three components, Galitzin-Wilip To= 12 sec., Tg=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	
Desaguadero	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.	

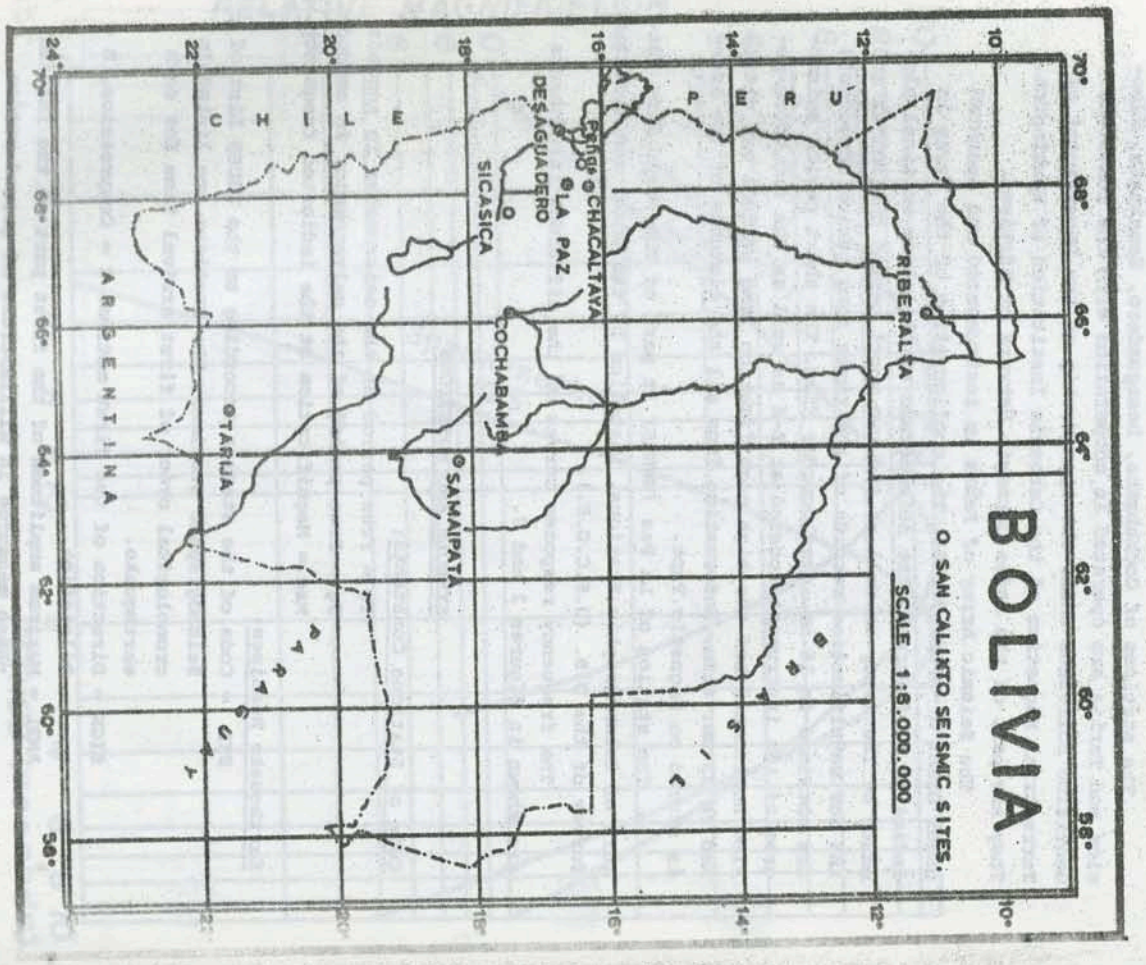


Fig.1. Location of Bolivian network of seismic stati

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-AFOSR-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 Isodistematic Curves centered at La Paz.

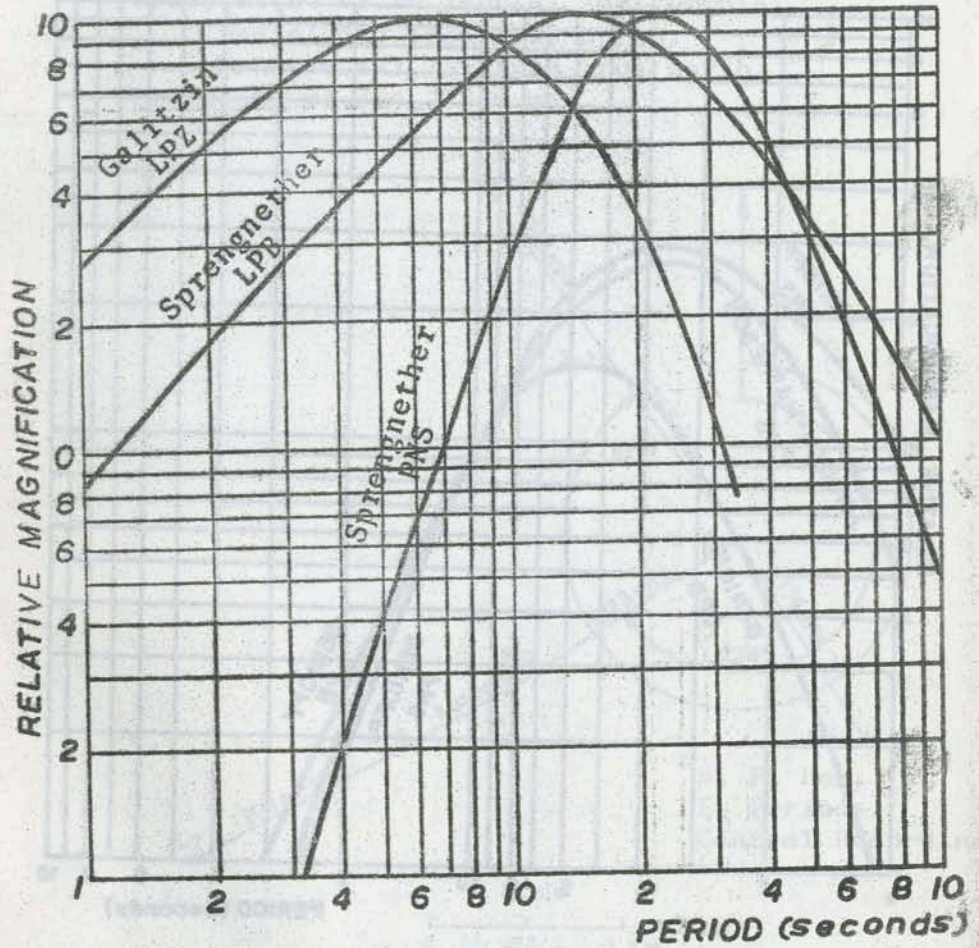


Fig. 2. Frecuency response curves for the long period instruments.

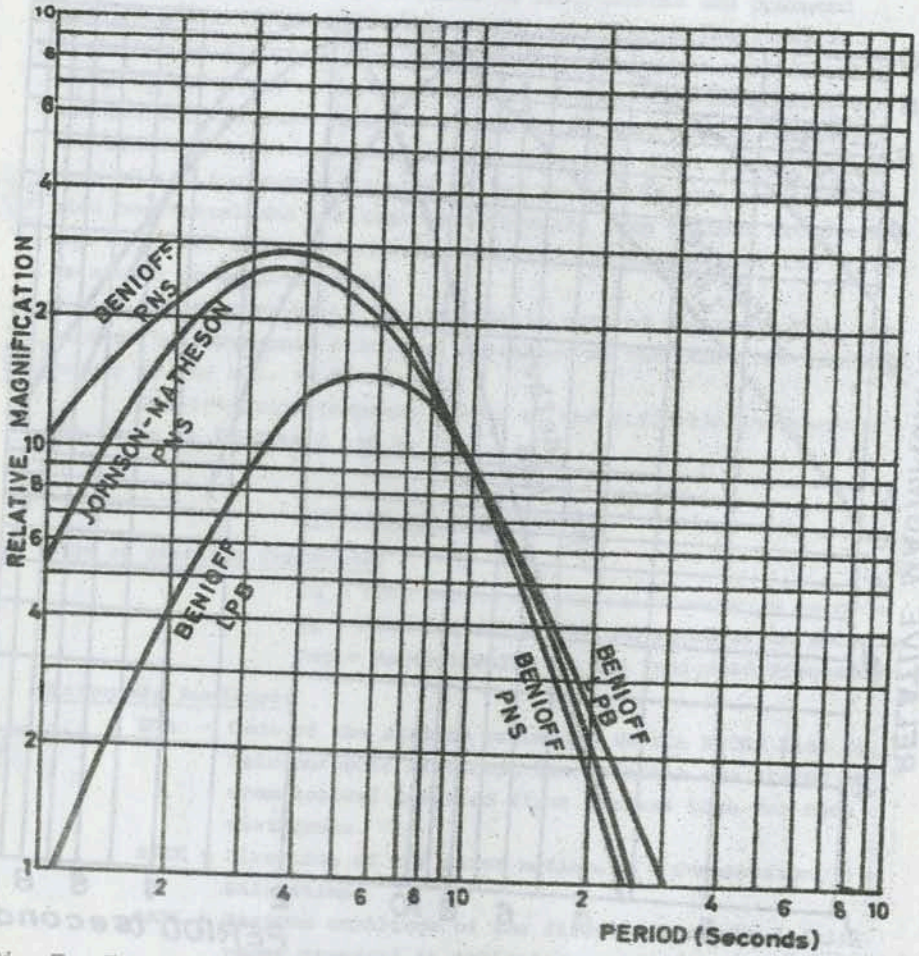
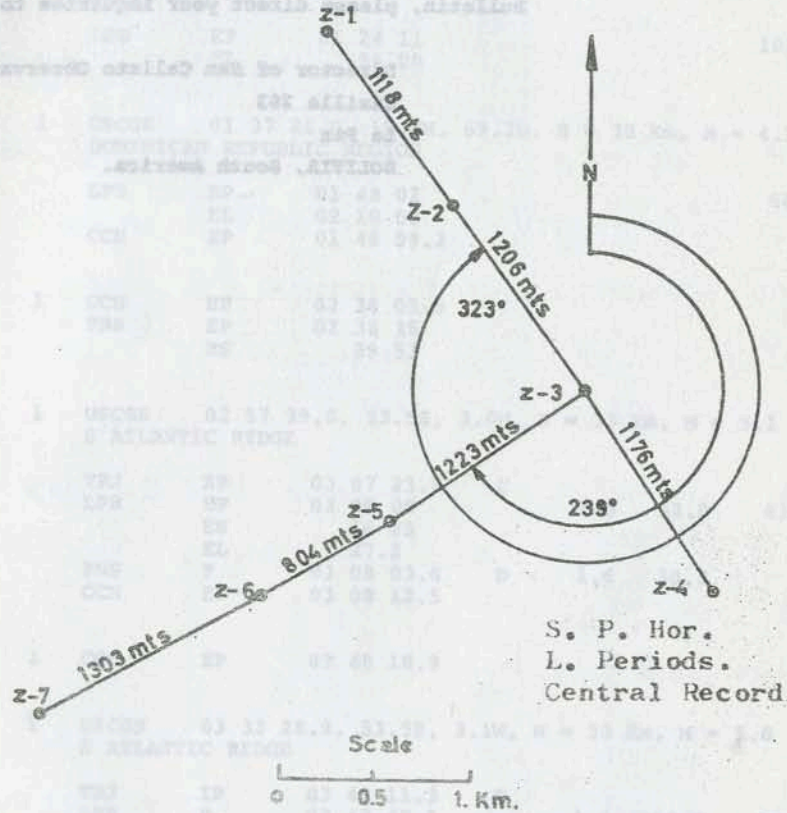


Fig.3. Frequency response curves for the short period instruments.

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



S. P. Hor.
L. Periods.
Central Recording

Fig. 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
APR	1	LPB	EP	00 08 44.5		1.0	10.0	
		PNS	EP	00 08 58				
APR	1	CCH	EP	01 10 29.7				
APR	1	PNS	EP	01 23 54.6				
APR	1	USCGS	01 11 39.7, 74.0N, 8.2E, H = 33 Km, M = 4.5					
		GROENLAND SEA						
		LPB	EP	01 24 11				102.1
			EL	56 00				
APR	1	USCGS	01 37 21.0, 19.0N, 69.7W, H = 33 Km, M = 4.1					
		DOMINICAN REPUBLIC REGION						
		LPB	EP	01 48 02				66.3
			EL	02 10 00				
		CCH	EP	01 48 09.2				
APR	1	CCH	EP	02 38 05.8				
		PNS	EP	02 38 35				
			ES	39 53				
APR	1	USCGS	02 57 39.0, 53.5S, 3.0W, H = 33 Km, M = 5.1					
		S ATLANTIC RIDGE						
		TRJ	EP	03 07 23.2	C			
		LPB	EP	03 08 00		1.5	52.0	61.8
			ES	16 25				
			EL	27.2				
		PNS	P	03 08 03.6	D	1.6	30.3	
		CCH	EP	03 08 12.5				
APR	1	CCH	EP	03 40 18.9				
APR	1	USCGS	03 33 28.9, 53.5S, 3.1W, H = 33 Km, M = 5.8					
		S ATLANTIC RIDGE						
		TRJ	IP	03 43 11.3	C			
		LPB	P	03 43 48.2		1.6	110.0	61.7
			PP	43 58				
			EPP	46 12				
			S	52 17				
			ESS	56 20				
			G	59 00				
			L	04 03.4				
		PNS	IP	03 43 51.5	D	1.0	51.0	
			IS	52 23				
			SS	56 00				
			L	59.4				
		CCH	EP	03 43 57.2	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	1	LPB	EP	03 55 57				
		PNS	IP	03 56 02.0	C	0.8	4.8	
		CCH	EP	03 56 30.8				
APR	1	CCH	EP	05 39 09.8				
		LPB	EP	05 39 12				
APR	1	USCGS	05 21 09.7, 5.8S, 149.1E, H = 112 Km, M = 6.1					
		NEW BRITAIN REGION						
		PNS	EPKP	05 40 18				
			IPKS	43 49.0				
		LPB	EPKP	05 40 19				
			I	40 49.5				136.8
			IPKS	43 48.5				
		CCH	EPKP	05 41 16.6				
APR	1	CCH	EPKP	06 00 11.7				
			S	00 34.8				
APR	1	TRJ	IP	06 43 45.0	D			
			IS	44 29.3	D			
		LPB	EP	06 43 47.5				
			(S)	45 27.5				
		CCH	EP	06 43 54.8				
		PNS	EP	06 44 00				
			E(S)	44 13				
APR	1	PNS	P	07 48 04.5	C	1.0	13.0	
			E	51 14				
		LPB	EP	07 48 08				
						0.9	3.4	
APR	1	CCH	EP	07 55 54.8				
APR	1	PNS	IP	07 56 55.6	C			
			E(S)	58 07				
		LPB	P	07 57 00				
			(S)	58 13		1.0	37.0	6.4
APR	1	LPB	IP	08 12 15	D	0.8	42.0	2.2
			ES	12 41				
		PNS	IP	08 12 16.0	D	0.4	20.0	
			IS	12 42				
APR	1	LPB	EP	08 18 09				
		PNS	EP	08 18 13				
		CCH	EP	08 18 29.3				
APR	1	PNS	EP	09 02 41.8		0.4	2.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	1	LPB	EP	09 39 45		1.4	16.0	
		PNS	IP	09 39 50.3	C	1.1	28.0	
APR	1	LPB	EP	11 16 21				
		PNS	IP	11 16 22.7		1.0	34.2	
		CCH	EP	11 17 17.1				
APR	1	CCH	EP	11 27 42.7				
APR	1	PNS	IP	11 37 47.9	C	0.5	5.2	
			S	38 12.6				
APR	1	CCH	EP	11 59 08				
		PNS	IP	11 59 53.0	D	0.3	2.5	
APR	1	PNS	P	12 13 04.2		1.0	16.2	
APR	1	USCGS	13 15 05.4, 38.7N, 21.5E, H = 43 Km, M = 4.8					
		GREECE						
		LPB	EP	13 28 33				100.0
			EL	14 02 00				
APR	1	LPB	E(P)	13 48 12				
			L	14 05.3				
		PNS	EP	13 48 16.3				
APR	1	USCGS	15 19 51.9, 5.1N, 82.5W, H = 39 Km, M = 4.8					
		S OF PANAMA						
		PNS	IP	15 25 17.3	C	0.8	21.2	
			S	30 00.8				
		LPB	P	15 25 20.5		1.0	20.0	25.2
			ES	30 07				
			EL	33.5				
		TRJ	P	15 26 16.6	C			
APR		LPB	EP	15 38 42				
		PNS	P	15 38 44.6	C	1.0	12.4	
APR		PNS	IP	15 54 08.2		0.3	4.6	4.1
			S	54 56.2				
		TRJ	P	15 54 28.5	C			
			S	55 13.4	C			
		LPB	S	15 54 49				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	1	LPB	EP	16 17 03.5				
			IS	17 25.0				1.7
		PNS	IP	16 17 56.4	D	0.4	6.8	
			S	18 26.0				
APR	1	TRJ	P	22 12 52.5	D			
			S	13 20.6	D			2.3
APR	1	PNS	IP	23 21 46.6	D	0.5	28.0	
			E(S)	23 00				
		LPB	IP	23 21 51.5	C	0.4	2.4	4.9
			S	22 47.2				
APR	1	LPB	EP	23 41 27		1.5	20.7	
APR	2	LPB	P	00 20 32.0		0.6	4.8	
APR	2	USCGS	00 38 06.0, 17.0N, 95.3W, H = 33 Km, M = 3.6					
		OAXACA, MEXICO						
		LPB	EL	00 59 00				43.7
APR	2	TRJ	EP	01 29 09.1				
		LPB	P	01 29 23.5		0.8	8.4	4.6
			(S)	30 16.5				
		PNS	EP	01 29 26.8				
APR	2	USCGS	01 52 38.3, 16.5N, 97.4W, H = 42 Km, M = 5.6					
		OAXACA, MEXICO						
		PNS	IP	02 00 28.0	C	1.0	92.0	
			S	07 15				
			ISS	10 46.0				
			L	16.0				
		LPB	P	02 00 40.5		1.0	32.0	43.7
			PP	02 29				
			S	07 47.0				
			SS	10 43				
			L	16.2				
		TRJ	IP	02 01 29.1	C			
APR	2	LPB	EP	03 47 41.5		0.9	8.5	
APR	2	PNS	EP	05 05 33		0.8	8.2	
APR	2	LPB	EP	06 05 51				
		PNS	P	06 05 59.0	C	0.8	9.8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	2	LPB	P	07 50 43.5				
		PNS	IP	07 50 48.5	C	0.4	4.2	
APR	2	USCGS	08 34 28.0, 5.6N, 82.5W, H = 33 Km, M = 4.6					
		S OF PANAMA						
		LPB	EP	08 39 56				25.8
			PP	40 34.5				
			EL	48 00				
		PNS	EP	08 39 57				
APR	2	LPB	EP	08 53 56				
		PNS	EP	08 54 22				2.0
			ES	54 46				
		TRJ	EP	08 54 22.2				
APR	2	TRJ	IP	09 06 21.0	D			2.6
			IS	06 52.3				
		LPB	EP	09 06 52				
		PNS	IP	09 06 55.4	C	0.4	6.4	
APR	2	TRJ	IP	10 01 32.9	C			
APR	2	TRJ	IP	10 40 38.2	D			
APR	2	USCGS	11 15 10.0, 6.5N, 82.7W, H = 33 Km, M = 4.1					
		S OF PANAMA						
		LPB	EL	11 28 00				27.0
APR	2	PNS	IP	12 08 42.0	D	0.4	14.6	
			IS	09 04.8				
		LPB	EP	12 08 42.2		0.6	2.4	2.0
			S	09 06				
APR	2	USCGS	12 48 39.8, 38.4N, 118.1W, H = 19 Km, M = 4.6					
		CALIFORNIA-NEVADA BOR REG						
		LPB	EP	13 00 02				72.0
			EL	23 00				
APR	2	TRJ	P	14 08 16.7	D			
		PNS	IP	14 08 47.1	D	0.5	22.1	2.9
			ES	09 22.0				
APR	2	TRJ	P	14 08 44.5	C			2.7
			IS	09 16.5	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	2	USCGS	15 02 14.0, 35.2N, 138.6E, H = 182 Km, M = 3.8					
		HONSHU, JAPAN						
		LPB	EPKP	15 21 15				
			EL	16 12 00				
		PNS	EPKP	15 21 39				150.0
APR	2	PNS	IP	17 00 30.9	C	0.3	30.2	
			IS	00 58.0				
		LPB	IP	17 00 [illegible].5	C	0.9	34.0	[illegible].6
			S	01 03				
APR	2	PNS	EP	17 32 49		0.7	4.3	
APR	2	USCGS	18 16 [illegible].0, 6.8N, 73.1W, H = 148 Km, M = [illegible]					
		N COLOMBIA						
		PNS	IP	[illegible] 34.0	D	0.6	5.9	
			IPP	25.4				
		LPB	P	18 [illegible] 66				
			PP	28.8		0.7	13.0	
APR	2	USCGS	18 15 30.0, 16.7N, 98.3W, H = 44 Km, M = 4.0					
		NR CST OF GUERRERO, MEXICO						
		LPB	EP	18 23 34.5				
APR	2	PNS	EP	20 28 45.4				
			E(S)	23 27.5				
APR	2	PNS	EP	21 49 02				
			ES	49 35.6				2.6
APR	2	USCGS	22 43 21.4, 36.7N, 141.9E, H = 39 Km, M = 4.6					
		NR CST OF HONSHU, JAPAN						
		LPB	PKP	13 02 58				
			PKP2	02 08.6		1.2	28.5	145.9
			PPKP	02 11.5				
			EL	53 00				
		PNS	EPKP	23 02 56.4		1.4	30.2	
APR	3	PNS	P	02 09 18.0	C	0.3	4.8	
			E(S)	09 42				
		LPB	EP	02 09 19				
APR	3	PNS	EP	04 08 51				
			ES	09 06				1.2

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	3	USCGS	04 43 41.1, 36.7N, 140.8E, H = 68 Km, M = 5.7					
		NR CST OF HONSHU, JAPAN						
		PNS	IP	05 03 18.0	D	1.6	132.3	
		LPB	PKP	05 03 18.5		1.0	110.0	147.7
			PPKP	03 26				
			PP	06 42.5				
			EL	53.5				
		TRJ	EPKP	05 03 30.7	C			
APR	3	PNS	P	06 20 27.0		0.4	4.2	1.7
			IS	20 48.4				
		LPB	EP	06 20 29				
APR	3	TRJ	EP	06 27 18.1				2.9
			IS	27 53.7	D			
APR	3	TRJ	P	07 52 16.7	C			3.8
			IS	53 00.6	D			
APR	3	USCGS	07 38 41.0, 8.4S, 156.4E, H = 62 Km, M = 4.8					
		SOLOMON IS						
		PNS	EPKP	07 57 49.4				
		LPB	PKP	07 57 56		1.0	8.0	130.5
APR	3	LPB	P	08 05 22.9				2.8
			ES	05 56				
		PNS	P	08 05 26.3		0.5	4.4	
			S	05 57.6				
APR	3	USCGS	09 17 26.7, 10.3S, 79.6W, H = 22 Km, M = 4.7					
		OFF CST OF PERU						
		PNS	EP	09 20 24.4				
		LPB	EP	09 20 28				12.6
			(S)	22 30.5				
			L	24.6				
		TRJ	P	09 21 41.5	D			
APR	3	TRJ	IP	11 33 52.2	D			
		LPB	P	11 34 45.5		0.6	15.6	
		CCH	EP	11 34 46.9				
		PNS	IP	11 34 50.5	C	0.5	12.8	10.5
			ES	36 09				
APR	3	USCGS	11 36 24.8, 39.0N, 21.5E, H = 25 Km, M = 5.1					
		GREECE						
		LPB	EL	12 23 00				100.4

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	3	TRJ	IP	13 23 54.3	C			
			IS	24 33.9	D			3.4
APR	3	PNS	IP	14 23 46.7	D	0.5	68.0	
			ES	24 06				
		LPB	IP	14 23 47.5	D	0.9	78.0	
			S	24 12.2				
APR	3	USCGS	14 22 38.6, 38.4S, 72.9W, H = 33 Km, M = 4.6					
		CENTRAL CHILE						
		TRJ	P	14 26 53.6	D			
		PNS	EP	14 27 39.7		0.8	1.1	
			ES	31 30				
			E	31 40				
		LPB	EP	14 27 41				
			PP	27 51				22.5
			ES	31 30				
			EL	34 00				
APR	3	PNS	IP	14 30 13.0	C	0.4	3.6	
			S	30 37.8				
APR	3	PNS	EP	15 47 33.5				
APR	3	USCGS	15 55 20.0, 16.3S, 177.0W, H = 33 Km, M = 4.9					
		FIJI IS REGION						
		LPB	EL	16 43.2				103.8
APR	3	TRJ	IP	17 10 56.2	D			
		LPB	P	17 11 49		0.8	35.0	6.7
			S	13 05.5				
		PNS	P	17 11 53.4	D	1.6	48.2	
			S	13 10.0				
APR	3	CCH	EP	17 57 42.5				
		LPB	P	17 57 47		1.0	20.0	
		PNS	EP	17 57 50				
			E(S)	58 23.6				
APR	3	LPB	EP	19 20 05		0.8	9.8	
APR	3	CCH	EP	19 24 04.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	3	USCGS	19 28 39.0, 18.8N, 103.0W, H = 147 Km, M = 4.2					
		NR CST OF MICHOACAN, MEXICO						
		LPB	EP	19 36 58				47.8
			EL	55 00				
		PNS	EP	19 37 09.9		1.0	3.6	
APR	3	PNS	P	19 48 16.4		0.3	5.2	2.9
			S	48 50.2				
APR	3	USCGS	19 44 38.0, 30.7N, 113.7W, H = 33 Km, M = 4.5					
		GULF OF CALIFORNIA						
		PNS	EP	19 55 10				
		LPB	EL	20 15 00				64.4
APR	3	PNS	EP	20 04 59.3				
APR	3	PNS	EP	22 13 58.4				
APR	3	PNS	EP	23 00 04				
			S	00 42.2				
		LPB	EP	23 00 07				2.0
			S	00 31.5				
APR	3	PNS	P	13 26 41.5		0.4	2.0	2.6
			S	27 13.0				
		LPB	EP	23 26 43				
APR	4	CCH	EP	00 06 10.9				
		PNS	P	00 06 17.2		0.3	2.8	
			S	06 44.2				
		LPB	EP	00 07 21				2.9
			S	07 55				
APR	4	PNS	EP	00 07 57.4		0.8	2.4	
APR	4	USCGS	02 17 18.1, 11.8N, 92.6E, H = 33 Km, M = 5.0					
		ANDAMAN IS REG						
		PNS	EPKP	02 37 19				
			EPKP2	38 08.7				
		CCH	EPKP	02 37 19.5				
		LPB	EPKP	02 37 20				161.4
			PKP2	38 06.5				
			EL	03 33 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	4	USCGS	02 51 39.0, 12.0N, 92.7E, H = 33 Km, M = 5.0					
			ANDAMAN IS REGION					
		LPB	EPKP	03 11 40.5				
			PKP2	11 42.5				161.0
			EL	04 09 00				
		PNS	EPKP	03 11 40.6				
			E	12 16.0				
APR	4	TRJ	IP	03 31 58.4	D			
		LPB	EP	03 32 07				
			S	33 08				5.3
		PNS	EP	03 32 08				
APR	4	LPB	P	04 48 25.8				
			S	48 50				2.0
APR	4	PNS	P	05 15 49.2				
APR	4	USCGS	05 37 50.0, 54.7S, 146.2E, H = 33 Km, M = 5.4					
			W OF MACQUARIE IS					
		LPB	EP	05 51 42				
			ESKS	06 02 34				103.6
			SSP	11 25				
			EL	27 00				
APR	4	CCH	EP	06 08 36.4				
APR	4	LPB	EP	06 36 40				
APR	4	USCGS	06 17 45.1, 5.5S, 151.6E, H = 47 Km, M = 5.3					
			NEW BRITAIN REGION					
		LPB	PKP	06 37 00				
			EL	07 21 00		1.0	4.0	135.1
		PNS	PKP	06 37 03.3		1.0	10.6	
APR	4	USCGS	06 42 13.9, 12.1N, 92.7E, H = 33 Km, M = 5.0					
			ANDAMAN IS REGION					
		LPB	EPKP	07 02 09				
			PPKP	02 19.2				161.0
			PKP2	02 56.5				
			ESS	27 09				
			EL	58 00				
		TRJ	EPKP	07 02 13.8				
		PNS	EPKP	07 02 14.6				
			PPKP	02 23				
			E	02 57				
			SS	26 59				
			I	34 20.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIS
APR	4	PNS	EP	07 14 38.8				3.4
			ES	15 19.4				
APR	4	TRJ	IP	07 38 07.7	C			
		LPB	P	07 38 47.5		0.9	25.5	3.2
			IS	39 26				
		PNS	P	07 38 49.8	C	0.4	8.0	
			IS	39 24.0				
			E	39 31.0				
APR	4	PNS	IP	08 24 20.3	D	0.3		1.7
			(S)	24 41				
		LPB	P	08 24 22.2		0.7	2.6	
APR	4	USCGS	09 23 21.0, 50.7N, 143.4E, H = 45 Km, M = 4.9					
			SAKHALIN IS					
		LPB	EPKP	09 42 39				137.8
		PNS	EPKP	09 42 48.6				
APR	4	TRJ	IP	10 35 24.5	D			
APR	4	USCGS	10 30 26.9, 5.5S, 151.7E, H = 56 Km, M = 5.3					
			NEW BRITAIN REGION					
		LPB	EPKP	10 49 31				135.2
		PNS	EPKP	10 49 47				
APR	4	PNS	IP	12 37 18.6	C	1.3	39.0	
		LPB	EP	12 37 34				
APR	4	LPB	ES	12 45 54				
		PNS	EP	12 45 54.8				
APR	4	PNS	P	12 45 47.3		0.3	7.0	
APR	4	CCH	EP	16 24 04.1				
		LPB	P	16 24 18.2	D	0.9	38.0	2.4
			ES	24 50				
		PNS	IP	16 24 20.6	D	0.4	18.2	
			IS	24 54.2				
APR	4	PNS	EP	16 43 25.8				
			E	43 30				
APR	4	CCH	EP	19 26 15.1				
		PNS	EP	19 26 30.2				
		LPB	EP	19 26 52		0.7	14.3	
			EL	33.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	4	USCGS	19 50 07.6, 13.8N, 89.7W, H = 108 Km, M = 5.5					
			EL SALVADOR					
		PNS	IP	19 57 06.1	D	1.0	25.0	
			EPP	57 25.0				
			S	20 02 47				
		LPB	P	19 57 09.5		0.9	18.7	37.3
			PP	57 30				
			S	20 03 05.2				
			EL	08.4				
		CCH	EP	19 57 12.4				
APR	4	USCGS	20 44 56.3, 38.0N, 31.2W, H = 33 Km, M = 4.6					
			AZORES IS REG					
		CCH	EP	20 55 06.2				
		LPB	EP	20 55 30				64.7
APR	4	USCGS	20 48 38.8, 38.2N, 31.3W, H = 33 Km, M = 4.9					
			AZORES IS REG					
		CCH	EP	20 59 06.7				
		LPB	EP	20 59 14				
		PNS	EP	20 59 24.5		1.3	23.2	
APR	4	USCGS	23 32 22.3, 10.8S, 164.3E, H = 37 Km, M = 5.3					
			SANTA CRUZ IS REG					
		LPB	EPKP	23 51 17				
			EL	00 31 00				121.4
		PNS	EPKP	23 51 17				
		CCH	EPKP	23 51 17.6				
APR	5	LPB	P	00 11 55.5	C	0.9	15.3	
APR	5	LPB	P	00 41 47.5		0.9	25.5	4.5
			S	42 40				
		PNS	P	00 41 48.5				
			ES	42 42				
		TRJ	EP	00 41 57.4	C			
APR	5	LPB	EP	01 37 50				
			E(S)	38 49				5.1
		PNS	P	01 37 53.3				
			ES	38 49.8				
APR	5	TRJ	IP	05 01 07.7	D			
			IS	01 36.4	C			
		LPB	P	05 01 43		1.0	11.0	
		PNS	IP	05 01 47.2	D	0.3	20.2	2.0
			(S)	02 11.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	5	USCGS	04 57 37.0, 44.0N, 147.7E, H = 33 Km, M = 5.0					
			KURILE IS					
		LPB	EPKP	05 17 02		1.0	8.0	139.1
			EL	06 04 00				
		PNS	EPKP	05 17 04				
		TRJ	EPKP	05 17 15.0	C			
APR	5	TRJ	IP	05 30 26.9	D			2.4
			IS	30 56.1	C			
APR	5	USCGS	06 08 13.0, 18.5N, 108.3W, H = 33 Km, M = 4.0					
			REVILLA GIGEDO IS REG					
		PNS	EP	06 17 29.6				
			E	21 23				
APR	5	TRJ	P	06 21 01.1	D			
APR	5	PNS	IP	08 07 14.5	D	0.3	29.7	
			S	07 41.0				
		LPB	IP	08 07 14.8	D	0.9	25.5	
			S	07 42				
APR	5	USCGS	08 51 16.4, 37.0N, 138.2E, H = 4 Km, M = 5.1					
			HONSHU, JAPAN					
		PNS	EPKP	09 11 03.4				
			I	11 08.0				
			PPKP	11 15				
		LPB	EPKP	09 11 04		1.5	15.6	149.1
			EL	10 03 00				
		TRJ	EPKP	09 11 18.8				
APR	5	PNS	EP	09 49 49.8				4.1
			(S)	50 37.6				
		LPB	EP	09 49 54.5				
APR	5	TRJ	IP	11 40 10.7	D			2.5
			S	40 40.9	C			
APR	5	USCGS	11 57 37.0, 55.1S, 158.4E, H = 5 Km, M = 5.6					
			MACQUARIE IS REG					
		LPB	EP	12 11 10				98.3
			EL	43 00				
		PNS	EP	12 11 10				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	5	LPB	EP	13 36 29,5				
			(S)	38 55				14,0
		PNS	EP	13 36 35				
			S	38 40,6				
			E	40 04				
APR	5	TRJ	IP	14 43 25,6	D			
APR	5	PNS	P	15 58 37,0				
APR	5	LPB	EP	16 28 20,5	C	1,0	30,0	
			(S)	29 06				3,9
		PNS	P	16 28 22,4				
			ES	29 15,6		0,6	6,2	
APR	5	PNS	P	16 34 20,6				
			S	34 56		0,5	6,8	2,1
		LPB	EP	16 34 29		0,7	12,0	
APR	5	PNS	P	16 43 58,7				
			ES	44 21,2		0,4	7,0	1,8
APR	5	USCGS	16 29 41.7, 37.8N, 115.3E, H = 33 Km, M = 4.8					
		NE CHINA						
		LPB	EPKP	16 49 40				158,5
APR	5	USCGS	18 34 53.0, 34.8S, 109.7W, H = 33 Km, M = 4.8					
		EASTERN IS CORDILLERA						
		PNS	EP	18 42 30				
			PPP	44 33,4				
		LPB	EP	18 42 32				
			L	54,0				40,9
APR	5	USCGS	18 59 54.1, 5.9S, 147.6E, H = 61 Km, M = 5.2					
		E NEW GUINEA REGION						
		PNS	EPKP	19 19 03				
			IPPKP	19 17,6				
			PKS	22 51				
		LPB	EPKP	19 19 06				
			IPPKP	19 17,5		0.7	9.0	138.3
			EL	20 06 00				
APR	5	PNS	P	20 49 24.6		0.8	3.8	
APR	5	CCH	P	21 10 06.0	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	5	PNS	EP	22 42 47.8				
			S	43 11.8				2.0
		LPB	EP	22 43 14				
APR	5	PNS	EP	23 17 50				
APR	6	USCGS	01 51 51.8, 35.0N, 73.0E, H = 38 Km, M = 5.1					
		PAKISTAN						
		PNS	EPKP	02 11 20.4		1.8	40.0	
		LPB	EPKP	02 11 21		1.7	21.6	140.5
			EL	58 00				
APR	6	USCGS	02 59 01.7, 45.8S, 96.1E, H = 33 Km, M = 5.8					
		SE INDIAN RISE						
		LPB	EPKP	03 17 30				116.2
			PP	19 05				
			PS	28 35				
			SS	34 38				
			G	49.3				
			L	54				
		PNS	EPKP	03 17 40				
			EPP	18 59				
APR	6	TRJ	P	03 29 56.5	D			1.7
			IS	30 27.5	C			
APR	6	PNS	IP	03 51 59.4	D	0.5	74.2	
			IS	52 24.0				
		LPB	IP	03 52 01.7				0.8
			(S)	52 13.5				
		TRJ	IP	03 53 06.9	C			
APR	6	LPB	EP	04 14 45		1.2	13.0	
APR	6	USCGS	05 03 05.0, 22.4S, 171.4E, H = 81 Km, M = 4.7					
		LOYALTY IS REGION						
		LPB	EPKP	05 21 21				110.3
			EL	55 00				
APR	6	PNS	IP	05 43 49.6	C	0.4	18.4	2.2
			S	44 15.6				
APR	6	LPB	EP	05 45 16		0.8	56.2	
		PNS	EP	05 45 18				
			E	45 36				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	6	USCGS	05 47 05.0, 59.4S, 26.2W, H = 14 Km, M = 5.3					
			S SANDWICH IS REG					
		TRJ	IP	05 55 38.3	C			
		LPB	P	05 56 21.5				
		PNS	P	05 56 23.3		1.0	12.0	52.5
			E	56 40.0		1.0	15.6	
APR	6	PNS	IP	07 45 25.8	C	0.4	67.8	
			I	45 28.5				
			S	46 12				
		LPB	IP	07 45 30.5		0.8	8.4	4.3
			I	45 35.4				
			S	46 21.0				
		CCH	EP	07 45 56.3				
		TRJ	EP	07 46 51.7				
APR	6	CCH	IP	08 18 24.1	D			
		LPB	P	08 18 56				
			S	19 24.2		0.8	9.8	2.3
		PNS	IP	08 19 03.7	D	0.4	7.0	
			IS	19 18.0				
APR	6	CCH	EP	09 50 16.7				
		TRJ	EP	09 50 39.5				
			S	51 14.4	C			2.9
APR	6	USCGS	12 24 51.7, 3.8S, 81.8W, H = 33 Km, M = 4.2					
			NR C OF N PERU					
		PNS	P	12 29 02.6		0.9	34.2	
		LPB	IP	12 29 07.0		0.8	39.2	18.4
			PP	29 38.2				
			EL	34.8				
APR	6	USCGS	13 02 45.0, 17.0N, 99.7W, H = 15 Km, M = 4.1					
			GUERRERO, MEXICO					
		LPB	EP	13 11 06				
			EL	24 00				45.5
		PNS	EP	13 11 06				
			E(PP)	11 14.4				
APR	6	PNS	P	13 12 04.3		0.3	11.5	2.9
			ES	12 28				
APR	6	USCGS	14 04 24.0, 22.4S, 68.0W, H = 179 Km, M = 4.5					
			N CHILE					
		TRJ	IP	14 05 07.2	D			
		LPB	IP	14 05 49.7		0.6	144.0	5.8
			S	06 55				
		PNS	IP	14 05 53.6	D	0.4	140.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
			IS	14 07 02.4				
			E	07 43				
APR	6	TRJ	IP	14 49 12.6	D			
APR	6	TRJ	IP	15 59 50.9	C			
APR	6	PNS	EP	17 24 53.6				
APR	6	USCGS	18 06 33.0, 38.7S, 74.7W, H = 10 Km, M = 4.8					
			OFF CST OF CENTRAL CHILE					
		LPB	EP	18 11 39		1.0	26.0	22.5
		PNS	EP	18 11 40.4		1.0	22.2	
APR	6	USCGS	17 02 39.4, 4.1S, 152.0E, H = 199 Km, M = 5.1					
			NEW BRITAIN REGION					
		PNS	EPKP	18 21 39				
		LPB	EPKP	18 21 40				135.3
APR	6	PNS	EP	18 43 09		1.1	15.0	
APR	6	PNS	IP	19 35 53.2	D	0.4	7.2	
APR	6	USCGS	19 45 46.0, 22.3S, 171.7E, H = 113 Km, M = 5.3					
			LOYALTY IS REG					
		LPB	EPKP	20 04 06				110.5
			EL	21 09 00				
		PNS	EPKP	20 04 06				
			E	05 54				
APR	6	USCGS	19 45 51.1, 22.0S, 171.6E, H = 158 Km, M = 5.2					
			LOYALTY IS REG					
		LPB	EPKP	20 05 29.5				110.5
			EL	51 00				
APR	6	PNS	P	20 35 09.2				3.2
			E(S)	35 46				
APR	6	USCGS	20 55 56.6, 5.1S, 133.7E, H = 33 Km, M = 4.9					
			AROE IS REG					
		LPB	EPKP	21 15 43				149.0
			ESS	38 41				
			EL	22 06 00				
		PNS	EPKP	21 15 48.1				
			E	16 05				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	6	USCGS	21 53 10.3, 8.9N, 126.4E, H = 6.9, M = 5.8 MINDANAO, P. I.					
		PNS	EPKP	22 13 09.8		1.2	23.2	
		LPB	EPKP	22 13 10				163.9
			EL	23 11 00				
APR	6	USCGS	22 28 38.7, 56.6N, 154.5W, H = 33 Km, M = 5.5 KODIAK IS REG					
		LPB	EP	22 42 30				101.8
			EL	23 17 00				
		PNS	EP	22 42 33.8				
APR	6	USCGS	22 56 05.0, 9.6S, 107.6E, H = 33 Km, M = 5.3 S OF JAVA					
		PNS	EPKP	23 15 54.8				
			EPPKP	16 05				
		LPB	EPKP	23 15 55				153.6
			PPKP	16 06				
			EPKP2	16 19.5				
			EL	00 08 00				
APR	7	USCGS	00 09 11.0, 0.6N, 29.9E, H = 33 Km, M = 5.0 REPUBLIC OF THE CONGO					
		LPB	EP	00 22 33				97.2
			EL	56 00				
APR	7	USCGS	00 14 55.9, 1.8S, 134.2E, H = 35 Km, M = 5.1 NEW GUINEA REGION					
		LPB	PKP	00 34 45.5				151.1
			I(PPKP)	34 51.5				
			EL	01 26 00				
		PNS	EPKP	00 34 46				
			I	34 51.5				
APR	7	PNS	EP	00 49 12.6				
APR	7	PNS	EP	01 36 31.6				
			ES	36 48.0				
		LPB	EP	01 36 36.5				2.6
			S	37 01				
APR	7	LPB	EP	05 03 37.5		1.4	8.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	7	USCGS	05 02 57.0, 15.5S, 174.1W, H = 33 Km, M = 4.9 TONGA IS					
		LPB	EP	05 16 40				100.1
			EL	50 00				
APR	7	PNS	P	08 33 55.8				
APR	7	PNS	P	08 58 53.0				
			IS	59 35.6				
		LPB	EP	08 59 04.5				3.2
			ES	59 49				
APR	7	USCGS	09 42 32.1, 26.1N, 127.4E, H = 46 Km,,M = 5.7 RYUKYU IS					
		PNS	PKP	10 02 32.8	C	1.4	114.2	
			I	03 30.3				
			PP	07 12				
		LPB	PKP	10 02 33.5	C	.13	67.0	162.7
			PPKP	02 46.5				
			EL	59.6				
		TRJ	EPKP	10 02 39.6	C			
APR	7	LPB	EP	11 06 18		0.9	5.1	0.6
			S	06 27.5				
APR	7	PNS	E(P)	11 55 42				
		LPB	EP	11 56 06				
APR	7	TRJ	EP	13 17 53.7	D			
		LPB	P	13 18 45		0.8	35.0	6.9
			(S)	20 03				
		PNS	IP	13 18 49.0	C	0.8	27.3	
			IS	20 07.7				
APR	7	PNS	EP	13 28 38.3		1.0	8.4	
APR	7	PNS	EP	13 37 33.4				
APR	7	USCGS	14 36 29.0, 24.1S, 175.2W, H = 33 Km, M = 5.2 S OF TONGA IS					
		LPB	EP	14 49 58				98.1
			EL	15 23 00				
APR	7	PNS	EP	14 51 57				9.8
			S	53 47				
		LPB	EP	14 53 04				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	7	PNS	EP	16 38 16				
APR	7	TRJ	IP	17 02 55.9	C			
			IS	03 26.2				2.5
APR	7	USCGS	17 15 43.0, 5.6S, 151.7E, H = 58 Km, M = 5.2					
			NEW BRITAIN REGION					
		LPB	EL	18 21 00				135.6
APR	7	PNS	IP	19 08 31.8	D	0.4	20.0	
			IS	08 56.0				
APR	7	PNS	EP	21 06 24.4				
			ES	07 13				4.2
APR	7	PNS	P	21 32 49.0		0.3	7.2	
			S	33 28.4				3.3
APR	7	PNS	EP	21 58 12				
			ES	59 04				4.5
APR	7	PNS	IP	22 34 21.6	C	0.3	19.2	
			IS	34 41.6				1.6
APR	7	PNS	EP	23 09 25				
APR	8	PNS	P	01 17 17.8				
APR	8	USCGS	01 46 44.9, 51.2N, 157.7E, H = 47 Km, M = 5.9					
			NR E CST OF KAMCHATKA					
		PNS	IPKP	02 05 51.2	C	1.4	168.2	
			PP	00 09				
			PS	18 26.6				
			E	18 48.0				
			ESS	25 25.8				
		LPB	PKP	02 05 51.6	C	1.6	164.0	130.0
			PP	08 06				
			SS	25 22				
			G	42.0				
			EL	48				
		TPJ	EPKP	02 05 52.8				
			IPKP2	06 05.6	D			
APR	8	PNS	P	02 17 46.4		0.4	8.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	8	PNS	IP	02 37 45.0	D	1.0	12.6	4.0
			E	38 12.0				
			S	38 32.4				
		TRJ	P	02 38 49.9	D			
APR	8	PNS	EP	02 44 34		0.8	16.2	
			S	45 39.0				
		LPB	E(PKP)	02 44 40		0.8	14.6	
			I	44 46				
			S	45 46				
APR	8	TRJ	P	02 49 03.0	C			
		LPB	P	02 49 45		0.7	6.5	
		PNS	IP	02 49 46.9	D	0.5	6.0	
			E(S)	51 24				
APR	8	USCGS	02 41 26.7, 9.0S, 157.9E, H = 18 Km, M = 5.0					
			SOLOMON IS					
		LPB	EPKP	03 00 34				128.1
APR	8	PNS	EP	04 25 12				8.1
			ES	26 43.4				
		LPB	EP	04 25 34				
APR	8	USCGS	05 24 44.6, 51.2N, 157.8E, H = 48 Km, M = 5.3					
			NR E CST OF KAMCHATKA					
		PNS	PKP	05 43 51.4		1.0	16.3	
		LPB	PKP	05 43 52		1.0	14.0	130.0
			ESS	06 02 56				
			EL	29 00				
		TRJ	EPKP	05 43 56.2				
APR	8	USCGS	05 52 40.4, 52.7N, 33.2W, H = 33 Km, M = 5.5					
			ATLANTIC OCEAN					
		LPB	EP	06 04 20		1.4	16.0	75.5
			EL	28 00				
		PNS	IP	06 04 22.1	D	1.3	27.0	
			PP	04 31.6				
		TRJ	EP	06 04 44.3				
APR	8	LPB	EP	08 44 35				
		PNS	EP	08 44 37		1.1	24.3	
			E	47 33.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	8	USCGS	09 19 09.6, 56.9N, 152.0W, H = 33 Km, M = 4.7					
		KODIAK IS REG						
		LPB	EP	09 32 51				100.6
APR	8	USCGS	10 32 06.9, 8.2S,156.4E, H = 31 Km, M = 5.1					
		SOLOMON IS						
		LPB	EPKP	10 51 11				
			I	51 17.5				129.6
			EL	11 34 00				
		PNS	EPKP	10 51 11.8				
			E	51 18.2				
APR	8	USCGS	11 10 21.5, 15.0S, 175.3W, H = 33 Km, M = 5.2					
		SAMOA IS REG						
		LPB	EL	11 58 00				101.4
APR	8	USCGS	11 56 26.0, 57.9S, 25.5W, H = 50 Km, M = 5.1					
		SANDWICH IS REG						
		TRJ	P	12 04 47.3	C			
		LPB	EP	12 05 26				
		PNS	P	12 05 35.4		0.5	7.2	51.8
APR	8	PNS	P	12 24 54				
			S	25 17.2				1.8
APR	8	PNS	EP	12 39 35				
			S	40 15.9				3.5
		LPB	EP	12 40 02				
APR	8	USCGS	12 27 25.0, 56.7N, 152.1W, H = 33 Km, M = 4.0					
		KODIAK IS REG						
		PNS	EP	12 41 07.4				
		LPB	EL	13 15 00				100.7
APR	8	PNS	P	12 46 42.3		1.2	18.4	
APR	8	PNS	EP	13 28 07.8				
			ES	28 38.0				2.5
APR	8	TRJ	P	14 04 03.4	D			
			S	04 37.0	D			2.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	8	USCGS	14 07 53.9, 26.2S, 114.4W, H = 33 Km, M = 5.4					
		EASTER IS REG						
		PNS	P	14 15 57.2		1.0	16.2	
			E	17 42				
		LPB	EP	14 16 00		1.0	20.0	43.2
			EPP	17 47				
			S	22 33				
			G	26.4				
			L	27 00				
APR	8	TRJ	IP	14 33 31.0	D			
		LPB	EP	14 34 05				
		PNS	EP	14 34 30.1				7.8
			S	35 58.4				
APR	8	PNS	EP	14 38 47.2		1.2	24.2	
			E	38 53.4				
APR	8	TRJ	IP	15 03 03.3	D			
		LPB	EP	15 03 55.5				
		PNS	IP	15 03 59.4	D	0.3	18.3	
			ES	04 15.6				
APR	8	PNS	IP	16 04 58.6	C	0.3	7.2	
			ES	05 28.4				
APR	8	PNS	IP	16 32 59.9	C	0.4	7.2	
			IS	33 28.0				
APR	8	PNS	EP	16 38 10.4				
APR	8	PNS	EP	18 02 40				
APR	8	PNS	EP	18 27 39.0				
APR	8	TRJ	IP	22 06 49.8	D			
APR	8	USCGS	22 10 59.3, 56.8N, 151.9W, H = 33 Km, M = 5.1					
		KODIAK IS REG						
		LPB	EP	22 24 28				100.6
			EL	58 00				
		PNS	EP	22 24 41.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	8	USCGS	22 33 51.0, 56.7N, 152.1W, H = 33 Km, M = 4.6					
		KODIAK IS REG						
		LPB	EP	22 47 37				100.7
APR	8	PNS	EP	23 55 09				
			S	55 46				3.2
APR	8	USCGS	23 46 50.8, 52.3N, 173.5E, H = 45 Km, M = 4.9					
		NEAR IS ALEUTIAN IS						
		PNS	EPKP	00 05 40				
		LPB	PKP	00 05 40.5				
			EL	43 00		1.4	12.0	120.6
APR	9	USCGS	02 34 23.0, 9.4N, 84.2W, H = 40 Km, M = 5.3					
		COSTA RICA						
		PNS	P	02 40 30.3	D	0.9	12.0	
			I	40 36.0				
			ES	45 26				
		LPB	P	02 40 33.5		0.7	3.9	30.1
			PP	40 48				
			ES	45 30				
			SS	47 13				
			L	49.7				
		TRJ	IP	02 41 21.1	C			
APR	9	USCGS	02 42 08.7, 9.6N, 84.1W, H = 30 Km, M = 5.7					
		COSTA RICA						
		LPB	P	02 48 16				
			EPP	49 19				30.2
			S	52 20				
			SS	54 45				
			L	58 00				
		PNS	EP	02 48 16.7		1.2	22.0	
			I	48 19.2				
			PP	49 17.7				
			ES	53 13.5				
		TRJ	P	02 49 27.4	D			
APR	9	TRJ	P	02 58 24.8	C			
		PNS	IP	02 58 38.0	D	0.5	12.0	
			E(S)	59 24				
APR	9	USCGS	04 07 52.0, 27.5S, 113.6W, H = 33 Km, M = 4.9					
		EASTER IS REG						
		LPB	EP	04 15 50				
			ES	22 11				43.1
			EL	26 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	E(P)	04 15 52				
			E	16 08.4				
		TRJ	EP	04 16 11.0	C			
APR	9	LPB	EP	04 37 40				
		PNS	EP	04 37 45				3.9
			ES	38 30.3				
APR	9	TRJ	P	06 03 29.3	D			
			IS	04 00.6	D			
		PNS	EP	06 03 57.6				3.2
			S	04 35				
APR	9	LPB	EP	07 08 39				
APR	9	USCGS	07 16 16.0, 56.8N, 152.1W, H = 33 Km, M = 4.5					
		KODIAK IS REG						
		LPB	EP	07 30 06				100.6
APR	9	USCGS	07 53 17, 1.3S, 78.8W, H = 94 Km, M = 4.0					
		ECUADOR						
		LPB	EP	07 57 22				18.4
APR	9	LPB	E(P)	08 10 10				
APR	9	TRJ	IP	08 58 41.7	D			
		PNS	P	08 59 39				
APR	9	TRJ	IP	13 59 17.5	D			2.9
			S	59 51.6	C			
APR	9	PNS	EP	14 51 12				
APR	9	USCGS	14 49 22.8, 14.1S, 166.7E, H = 47 Km, M = 5.4					
		NEW HEBRIDES IS						
		LPB	EP	15 08 08				118.0
			EL	45 00				
		PNS	EP	15 08 09.8				
APR	9	LPB	P	15 31 35.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	9	USCGS		15 49 54.0, 6.8N, 73.1W, H = 144 Km, M = 5.1				
		N COLOMBIA						
		LPB	EP	15 54 44				
			PP	56 09				23.4
		PNS	EP	15 54 50.3		0.2	6.6	
			PP	55 24.0				
APP	9	TRJ	IP	16 54 24.3	D			
		PNS	P	16 55 19.2	D	0.4	5.8	
APP	9	PNS	P	17 40 10.8				
			S	40 33				1.9
APP	9	PNS	IP	18 40 10.6	C	0.4	17.8	
			S	40 34.6				2.0
APP	9	USCGS		18 51 45.0, 60.2N, 147.1W, H = 34 Km, M = 4.7				
		S ALASKA						
		LPB	EP	19 05 24				99.1
APP	9	PNS	EP	19 09 15				
APP	9	PNS	EP	19 28 39.8				
			S	29 19.6				3.4
APP	9	USCGS		20 00 58.5, 5.4N, 126.0E, H = 133 Km, M = 5.6				
		MINDANAO, P.I.						
		LPB	EPKP	20 20 47.5				
			PPKP	21 20				162.2
			PKP2	21 42.5				
			EL	21 14 00				
		PNS	EPKP	20 20 48		2.0		
			E	20 26				
APR	9	USCGS		20 17 45.0, 56.6N, 152.2W, H = 33 Km, M = 5.1				
		KODIAK IS REG						
		LPB	EP	20 31 25				
			EL	21 05 00				
APR	9	LPB	EP	21 32 09				
APR	9	TRJ	P	22 30 41.9	D			
			IS	31 12.0	C			2.5
APR	9	PNS	P	23 41 32.6	D	0.7	3.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	10	USCGS		00 28 34.0, 18.1N, 97.3W, H = 100 Km, M = 4.6				
		CENTRAL MEXICO						
		LPB	EP	00 36 33				45.0
		PNS	P	00 36 33				
APR	10	PNS	P	01 10 53.4				
APR	10	PNS	P	01 47 46.4				
APR	10	LPB	EP	02 26 37				13.5
			S	29 06				
		PNS	EP	02 26 43				
			I	27 18.6				
			S	28 49				
APR	10	LPB	EP	03 09 20				
			(S)	10 41				
		PNS	EP	03 09 32.6				
APR	10	PNS	EP	04 09 27		0.6	7.6	
			ES	10 17				
APR	10	PNS	P	05 52 31.8		0.5	8.3	
		LPB	P	05 52 32	C	0.9	8.6	
APR	10	USCGS		05 55 49.7, 22.0S, 68.3W, H = 115 Km, M = 4.7				
		N CHILE						
		TRJ	IP	05 56 44.9	C			
		LPB	IP	05 57 11.8		0.7	76.0	6.5
			(PG)	57 25				
			S	58 48.6				
			EL	59.4				
		PNS	IP	05 57 14.4	D	1.2	88.9	
			I	57 33.0				
			S	58 23				
			SSS	58 55				
APR	10	TRJ	IP	06 01 43.5	D			
		PNS	P	06 02 42.0		0.5	42.8	3.9
			(S)	03 27.4				
APR	10	PNS	P	06 39 23				2.0
			S	39 47				
APR	10	PNS	IP	06 44 55.8	D	0.4	11.3	1.8
			S	45 18				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	10	USCGS	06 53 08.7, 37.5N, 115.3E, H = 33 Km, M = 5.3					
		NE CHINA						
		LPB	EPKP	07 13 08				
			EL	08 08 00				158.8
		PNS	E(PKP)	07 13 10				
APR	10	PNS	P	08 25 35.4				
			S	25 57.6				1.8
APR	10	PNS	EP	08 51 03.6				
APR	10	TRJ	IP	09 30 10.0				
		PNS	EP	09 31 21				
			ES	32 08.4				4.0
APR	10	USCGS	10 07 45.0, 10.1N, 122.1E, H = 63 Km, M = 4.6					
		PANAY, P.I.						
		LPB	EPKP	10 27 49		1.3	11.2	168.2
		PNS	EPKP	10 27 49				
APR	10	USCGS	10 33 35.0, 6.9N, 73.0W, H = 155 Km, M = 5.1					
		N COLOMBIA						
		PNS	IP	10 38 30.9	C	0.7	18.2	
			EPP	38 52				
			PP	39 04.8				
			S	42 32				
			SS	43 32				
		LPB	IP	10 38 34.0	C	0.7	78.0	23.4
			PP	38 49.6				
			S	42 35				
			EL	45 00				
		TRJ	PP	10 39 22.5	C			
APR	10	USCGS	10 39 51.0, 53.1N, 171.0E, H = 20 Km, M = 5.2					
		NEAR IS ALEUTIAN IS						
		LPB	EPKP	10 58 45.5				121.6
APR	10	LPB	EP	10 43 10				
			S	46 52				20.5
APR	10	PNS	P	11 18 46.0				
			ES	19 07				1.7
APR	10	PNS	EP	11 37 50				
APR	10	TRJ	IP	15 03 04.2	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	10	TRJ	P	15 46 05.2	C			2.3
			S	46 34.0				
		PNS	IP	15 46 48.7	C	0.3	22.7	
APR	10	PNS	EP	16 16 31.0				
APR	10	USCGS	16 36 14.6, 31.5S, 71.2W, H = 64 Km, M = 5.7					
		NR CST OF CENTRAL CHILE						
		TRJ	IP	16 38 55.2				
		LPB	EP	16 39 41.5		1.3	10.2	14.8
			I	40 04				
			IS	42 38				
			L	43 00				
		PNS	EP	16 39 46		1.4	300.0	
			IPP	39 50.7				
			IPPP	40 09.2				
			S	42 45.4				
			SS	42 51.7				
APR	10	PNS	P	17 19 54.4				3.5
			IS	20 35.4				
APR	10	PNS	IP	17 47 39.1	C	0.3	6.0	1.9
			IS	48 02.0				
APR	10	PNS	IP	19 50 57.4	D	0.3	21.0	1.9
			IS	51 20.0				
APR	10	LPB	EP	21 26 08.2				
APR	10	LPB	EP	21 51 01.5				
APR	10	USCGS	22 27 01.8, 40.4N, 125.5W, H = 33 Km, M = 5.6					
		OFF CST N CALIFORNIA						
		LPB	EP	22 38 58				78.2
			EL	23 03 00				
APR	10	PNS	EP	23 26 50.8				
			E	27 41.6				
			S	28 54.6				
		LPB	EP	23 26 57				10.7
			ES	29 02.5				
APR	11	PNS	P	02 00 49.6		0.3	4.0	1.9
			S	01 12.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	11	USCGS N CHILE	06 46 12.0, 20.1S, 69.3W, H = 114 Km, M = 4.3					
		LPB	IP	06 47 09.5	C	1.0	500.0	3.8
			IS	47 53				
		PNS	IP	06 47 12.1	C	0.7	38.8	
			I	47 36.0				
			E(S)	47 58.0				
APR	11	PNS	EP	06 55 10.1				
			ES	56 10				5.2
		LPB	EP	06 55 19				
APR	11	PNS	P	07 03 23.9				
			ES	04 21.0				4.9
APR	11	PNS	EP	07 15 42				
		LPB	EP	07 15 53		0.9	8.5	
APR	11	USCGS N CHILE	07 29 03.0, 23.2S, 68.8W, H = 110 Km, M = 4.1					
		LPB	EP	07 30 41				
			S	31 17.5		0.5	3.9	6.7
		PNS	P	07 30 44.0				
			I	31 16.6		0.7	4.0	
			S	31 43.8				
APR	11	USCGS N CHILE	10 29 20.0, 22.1S, 68.4W, H = 117 Km, M = 4.3					
		LPB	P	10 30 41.5				
			(PG)	30 49.0		0.8	70.0	5.4
			S	31 31.5				
		PNS	P	10 30 44.6	C	0.7	18.2	
			I	31 08.0				
			ES	31 38.0				
			E	32 25.0				
APR	11	TRJ	IP	10 47 17.3	C			
APR	11	PNS	IP	11 39 09.6	D	0.3	23	
			IS	39 32.0				1.7
APR	11	TRJ	IP	12 30 09.4	C			
APR	11	LPB	EP	12 41 08				
			ES	41 40				
		PNS	IP	12 41 13.0	D	0.4	21.2	2.7
			IS	41 35.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	11	USCGS MARIANA IS REG	12 57 24.0, 20.7N, 146.3E, H = 33 Km, M = 4.8					
		PNS	PKP	13 17 04.5		0.9	6.0	
		LPB	PKP	13 17 06		1.0	12.0	147.2
			PPKP	17 25.6				
			EL	14 07 00				
APR	11	PNS	IP	13 41 31.3	C	0.2	6.2	
APR	11	TRJ	IP	14 30 13.3	C			
APR	11	USCGS COSTA RICA	14 35 35.0, 9.1N, 83.3W, H = 51 Km, M = 4.1					
		LPB	EP	14 41 36				29.7
			EL	50 00				
		PNS	EP	14 41 39				
APR	11	PNS	P	14 46 47.7				
APR	11	LPB	EP	15 58 32				
APR	11	PNS	P	15 59 02.9				9.3
			ES	16 00 48				
APR	11	PNS	IP	16 06 21.3	D	0.4	9.2	8.1
			S	07 54				
		LPB	EP	16 06 24				
APR	11	PNS	IP	16 16 41.0	D			2.1
			IS	17 05.7				
APR	11	USCGS NEAR IS ALEUTIAN IS	16 05 41.6, 52.5N, 173.0E, H = 29 Km, M = 5.2					
		LPB	EPKP	16 24 33				120.7
			EL	17 04 00				
APR	11	PNS	EP	16 56 48				3.3
			I	56 52.8				
			S	57 26.6				
		LPB	EP	16 56 57				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	11	USCGS	17 17 33.8, 18.4N, 102.3W, H = 72 Km, M = 5.7 MICHOACAN, MEXICO					
		PNS	IP	17 26 07.0	C	1.1	79.2	
			I	27 36.0				
			S	33 07				
			SS	37 00				
		LPB	IP	17 26 09.8	C	1.2	104.0	48.5
			PP	27 37				
			EL	40 00				
APR	11	LPB	EP	19 29 58				
APR	11	USCGS	19 37 14.0, 23.8S, 69.2W, H = 82 Km, M = 4.3 N CHILE					
		LPB	EP	19 39 02.5		0.9	187.0	7.3
			(PN)	39 06.2				
			PG	39 15.8				
			ES	40 14				
		PNS	EP	19 39 03				
			IPP	39 08.9				
			ES	39 50.0				
			E	40 14.8				
APR	11	LPB	EP	19 51 56				
APR	11	TRJ	IP	20 26 56.2	C			
APR	11	LPB	EP	21 05 08				
APR	11	LPB	EP	23 00 07.5				
			EL	26 00				
APR	11	USCGS	23 00 24.0, 56.6N, 152.0W, H = 33 Km, M = 5.4 KODIAK IS REG					
		PNS	EP	23 14 06				
			E	14 36.7				
		LPB	E(P)	23 14 10				
			EL	49 00				100.4
APR	12	USCGS	01 31 07.0, 17.7S, 69.7W, H = 129 Km, M = 4.1 PERU-BOLIVIA BOR REG					
		PNS	IP	01 31 39.8	D	0.7	200.0	
			IS	32 09.6				
		LPB	IP	01 31 41	C	0.9	255.0	2.0
			IS	32 07				
		CCH	IP	01 32 08				
		TRJ	IP	01 32 36.6	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	
APR	12	TRJ	P	05 40 27.3	D			2.6
			S	40 56.5	C			
		PNS	EP	05 41 07.4				
APR	12	LPB	EP	08 27 47				
APR	12	TRJ	IP	09 25 48	C			
APR	12	PNS	EP	10 38 50				
APR	12	PNS	P	11 11 17.4		0.3	7.2	2.0
			S	11 41.4				
APR	12	PNS	EP	11 54 17				
APR	12	TRJ	P	13 56 25.0	C			
			S	57 03.3	C			
		LPB	P	13 56 29.5		0.9	25.7	
		PNS	IP	13 56 33.5	D	0.5	6.8	3.9
			S	57 20				
APR	12	TRJ	P	14 03 56.8	C			2.6
			S	04 28.1	C			
APR	12	PNS	EP	14 48 28.3				
APR	12	PNS	EP	15 55 14				
APR	12	PNS	P	16 30 00				1.7
			IS	30 22.0				
		LPB	EP	16 30 02.5				
APR	12	PNS	IP	16 33 30.7	D	0.4	14.2	
			ES	33 58.6				
		LPB	P	16 33 31	D	0.7	16.9	2.4
			S	34 00				
APR	12	LPB	P	17 36 19		1.1	55.2	
		PNS	EP	17 36 21.7				3.4
			ES	37 02				
APR	12	PNS	IP	17 46 13.4	D	0.3	4.8	1.7
			S	46 35.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	12	LPB	EP	20 09 52				
			E(S)	10 45				4.6
		PNS	P	20 09 55.0	C	0.5	4.8	
			S	10 49.0				
APR	12	PNS	EP	20 16 02				
			S	19 14				
		LPB	EP	20 16 05				
			S	19 16.5				17.2
APR	12	PNS	P	20 52 44.6				
			S	53 07.4				
		LPB	P	20 52 48.2		0.8	9.8	
			S	53 08				1.6
APR	12	USCGS	21 13 47.0, 55.8N, 163.0E, H = 100 Km, M = 4.8					
		NR CST OF KAMCHATKA						
		LPB	EPKP	21 32 27				125.2
APR	12	USCGS	22 00 42.0, 23.1S, 66.5W, H = 235 Km, M = 3.6					
		JUJUY PROVINCE, ARGENTINA						
		LPB	IP	22 02 20	D	0.5	130.0	
			(S)	03 30				6.9
		PNS	IP	22 02 24.2	D	0.8	104.0	
			ES	03 35.6				
			SSS	03 41				
APR	12	USCGS	23 37 42.1, 38.1S, 73.0W, H = 44 Km, M = 5.7					
		CENTRAL CHILE						
		LPB	P	23 42 34.5	C	1.6	475.0	
			(PG)	42 38.2				21.6
			PP	43 08.5				
			IS	46 17				
			L	48.6				
		PNS	P	23 42 36		2.4	500.0	
			(PG)	42 39.8				
			PP	43 07.3				
			ES	46 17.4				
			ISS	46 45.0				
APR	13	USCGS	00 54 59.0, 15.4N, 92.9W, H = 82 Km, M = 4.6					
		MEXICO-GUATEMALA BOR REG						
		LPB	EP	01 02 26				
		PNS	EP	01 02 29				40.5

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	13	USCGS	03 35 16.3, 38.2S, 73.2W, H = 40 Km, M = 5.8					
		NR COAST OF CENTPAL CHILE						
		TRJ	IP	03 39 28.1	D			
		LPB	IP	03 40 09.8	C	1.2	190.0	22.1
			(PG)	40 14.2				
			PP	40 43				
			IS	44 15				
			L	46.8				
		PNS	IP	03 40 12.8	C	1.5	200.0	
			(PG)	40 16.9				
			S	44 02.7				
			I	44 17.0				
			SS	48.5				
APR	13	LPB	P	04 17 57.3		0.9	15.3	2.9
			S	18 31				
		PNS	EP	04 17 59.2				
			S	18 35.0				
APR	13	USCGS	04 27 54.8, 23.6S, 179.9W, H = 550 Km, M = 5.2					
		S OF FIJI IS						
		LPB	EP	04 40 49				102.6
		PNS	EP	04 40 49				
			E	40 57.7				
APR	13	USCGS	05 39 28.0, 38.3S, 72.8W, H = 56 Km, M = 4.2					
		CENTRAL CHILE						
		LPB	EP	05 44 24		0.8	2.8	22.1
		PNS	P	05 44 26.2				
APR	13	LPB	EP	07 06 36				
		PNS	EP	07 06 40				
APR	13	USCGS	09 10 57.7, 38.3S, 73.2W, H = 37 Km, M = 4.9					
		NR CST OF CENTRAL CHILE						
		TRJ	IP	09 15 13.2	C			
		LPB	P	09 15 53	C	1.2	24.7	22.1
			S	20 07				
			EL	22 00				
		PNS	P	09 15 55.0	C	1.0	26.0	
			S	20 10.0				
APR	13	PNS	EP	09 48 02				
APR	13	PNS	EP	12 02 28				3.6
			S	03 11				
		LPB	EP	12 02 43.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	13	PNS	EP	12 25 47				
APR	13	PNS	EP	13 17 24.6		1.5		
APR	13	PNS	P	15 44 57.0	D	0.9	47.1	
APR	13	PNS	EP	15 50 13.8				
APR	13	PNS	P	17 26 29.8				
APR	13	PNS	IP	18 07 51.0	D			
			S	08 15.8				
		LPB	IP	18 07 52.0		0.7	26.0	2.2
			I	07 56.0				
			(S)	08 18				
APR	13	PNS	EP	18 53 11.0		0.4	2.2	
APR	13	LPB	EP	22 27 42				
		TRJ	IP	22 27 43.9	D			
		PNS	EP	22 28 40				7.7
			S	30 08.0				
APR	13	TRJ	IP	23 13 10.3	D			
		LPB	P	23 13 34.5		0.6	4.8	
		PNS	EP	23 13 36				3.2
			ES	14 13				
APR	13	PNS	EP	23 43 47.6				
APR	14	LPB	EP	00 28 45				
		PNS	E(P)	00 28 47				
APR	14	LPB	EP	01 51 26				
		PNS	P	01 51 27.4	C	0.5	21.4	
APR	14	USCGS	02 10 32.8, 13.1N, 145.0E, H = 49 Km, M = 5.0					
		MARIANA IS						
		LPB	EPKP	02 30 15		0.9	5.1	147.7
			EPKP2	30 21				
			EL	03 20 00				
		PNS	EPKP	02 30 15				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	14	PNS	EP	02 36 57.0				
		LPB	EP	02 37 00				
APR	14	USCGS	02 48 07.0, 7.9N, 77.8W, H = 91 Km, M = 3.8					
		PANAMA-COLOMBIA BOR REG						
		LPB	EP	02 53 40				26.0
			EL	03 01 00				
APR	14	LPB	EP	03 13 07				
		PNS	IP	03 13 07.2	D	0.4	14.3	1.7
			S	13 30.4				
APR	14	USCGS	05 35 13.0, 14.2N, 92.7W, H = 88 Km, M = 3.9					
		NR CST OF CHIAPAS, MEXICO						
		LPB	EL	05 54 00				39.3
APR	14	USCGS	06 19 13.6, 25.0S, 64.5W, H = 25 Km, M = 5.3					
		SALTA PROVINCE, ARGENTINA						
		TRJ	IP	06 20 12.5	C			
		LPB	EP	06 21 26.5		0.8	84.0	9.0
			S	23 06				
		PNS	EP	06 21 32				
			I	21 35.3	D			
APR	14	LPB	EP	10 31 09				
APR	14	USCGS	10 29 58.0, 13.9N, 144.5E, H = 33 Km, M = 4.8					
		MARIANA IS						
		LPB	EPKP	10 49 29				148.6
APR	14	LPB	IP	14 24 59		0.8	16.8	
		TRJ	P	14 25 33.4	C			
APR	14	TRJ	IP	14 57 49.4	D			
APR	14	USCGS	16 33 28.8, 4.8N, 96.2E, H = 30 Km, M = 4.9					
		N SUMATRA						
		LPB	EPKP	16 53 28.5				160.3
APR	14	PNS	P	16 34 30.8		0.5	2.4	
APR	14	LPB	EP	16 38 35				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	14	PNS	P	16 54 19.0		1.0	18.2	
APR	14	USCGS CRETE	18 51 46.0, 34.5N, 24.0E, H = 33 Km, M = 5.0					
		LPB	EL	19 40 00				100.9
APR	14	USCGS NEW IRELAND REGION	19 16 01.0, 3.8S, 151.4E, H = 33 Km, M = 5.1					
		LPB	EPKP	19 35 23				
			EL	20 20 00				136.0
APR	14	PNS	P	20 16 54.7				
			IS	17 21.5				2.2
APR	14	USCGS AFGHANISTAN-USSR BORDER REGION	21 06 17.4, 38.9N, 70.6E, H = 33 Km, M = 5.2					
		LPB	EPKP	21 25 40				
		PNS	PKP	21 25 41.3		1.0	10.2	137.8
APR	14	PNS	EP	23 10 22.0				
			S	10 33.7				0.8
		LPB	EP	23 10 28				
APR	15	TRJ	IP	02 42 15.9	C			
		LPB	IP	02 43 07.5	D	0.6	10.8	6.4
			S	44 20.2				
		PNS	P	02 43 11.4	D	0.4	1.2	6.9
			IS	44 30.0				
APR	15	USCGS REPUBLIC OF THE CONGO	03 08 16.3, 0.9N, 29.9E, H = 33 Km, M = 5.3					
		LPB	EL	03 55 00				100.4
APR	15	TRJ	IP	03 44 59.2	C			
		LPB	P	03 45 05				
		PNS	EP	03 45 31.7		1.0	6.0	
APR	15	LPB	EP	03 58 15				
APR	15	USCGS S OF HONSHU, JAPAN	06 01 32.0, 31.4N, 143.4E, H = 50 Km, M = 4.3					
		PNS	P	06 21 09.7				
		LPB	EP	06 21 10		1.1	2.6	147.7

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	15	USCGS S OF PANAMA	06 42 59.7, 5.0N, 82.4W, H = 38 Km, M = 4.8					
		PNS	IP	06 48 24.6	C	0.8	60.2	
		LPB	P	06 48 27	C	1.2	130.0	25.1
			I	48 30.5				
			PP	49 10				
			ES	53 12				
			EL	56 00				
		TRJ	IP	06 49 21.9	C			
APR	15	LPB	P	07 12 55		1.0	10.0	3.8
			S	13 40.5				
		PNS	EP	07 12 56				
			ES	13 40.8				
APR	15	PNS	P	07 44 10.3				
APR	15	LPB	EP	07 55 51				
		PNS	EP	07 55 58				2.7
			ES	56 30.2				
APR	15	TRJ	IP	08 33 59.2	D			
		LPB	P	08 34 31				4.7
			I	34 49.5				
			(S)	35 26.5				
		PNS	P	08 34 33.6		0.6	3.2	
			E(S)	35 36				
APR	15	USCGS NR CST OF ECUADOR	10 14 59.0, 2.9S, 80.4W, H = 37 Km, M = 4.1					
		LPB	EP	10 19 09		1.0	6.0	18.0
			EL	24 00				
		PNS	EP	10 19 12				
APR	15	PNS	EP	11 11 19.6				
APR	15	PNS	EP	11 17 40				1.8
			ES	18 02.0				
		LPB	EP	11 17 50				
APR	15	TRJ	IP	12 06 45.9	D			
		LPB	EP	12 07 40				7.6
			ES	09 06				
		PNS	IP	12 07 43.3	C	0.3	3.2	
			S	09 12				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	15	PNS	P	15 13 03.6				1.9
			IS	13 26.8				
APR	15	LPB	EP	16 07 55				
		PNS	IP	16 08 04.4	D	0.2	6.2	2.2
			S	08 30.4				
APR	15	PNS	EP	16 55 51.4		0.4	2.8	
APR	15	USCGS	17 59 35.0, 36.6N, 140.9E, H = 53 Km, M = 4.8					
		NR E CST OF HONSHU, JAPAN						
		PNS	EPKP	18 19 13.9		1.5	21.2	
			PPKP	19 26.7				
		LPB	PKP	18 19 15.2		1.0	18.0	147.5
			PKP2	19 21.5				
			EL	19 09 00				
APR	15	PNS	EP	19 30 42.7				4.3
			ES	31 33				
		LPB	EP	19 30 50				
APR	15	PNS	EP	22 05 36				
APR	16	PNS	P	00 00 58.6		0.5	25.0	
APR	16	USCGS	00 02 50.0, 5.8N, 82.6W, H = 45 Km, M = 4.1					
		S OF PANAMA						
		LPB	EP	00 08 13				25.0
			EL	16 00				
		PNS	P	00 08 14.5		1.6		
APR	16	PNS	PKP	00 59 34.0				
		LPB	EPKP	01 00 30				
APR	16	LPB	EP	01 32 25				
		PNS	P	01 33 18.7		0.8	5.8	
APR	16	USCGS	01 27 15.3, 57.0N, 153.6W, H = 33 Km, M = 5.7					
		KODIAK IS REG						
		PNS	EP	01 41 02				
			ISKS	51 40.2				
			S	59 35.7				
		LPB	EP	01 41 10				101.0
			S	54 43				
			PS	54 30				
			SS	59 36				
			G	02 10 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	16	USCGS	02 10 57.4, 21.0S, 66.5W, H = 152 Km, M = 4.3					
		BOLIVIA						
		TRJ	IP	02 11 48.4	D			
		LPB	IP	02 12 17.7	C	0.9	264.0	4.6
			S	13 12.5				
		PNS	IP	02 12 21.2	C	0.6	52.2	
			S	13 22				
APR	16	USCGS	02 24 32.6, 0.1S, 123.0E, H = 198 Km, M = 5.4					
		N CELEBES						
		TRJ	PKP	02 44 12.9	C			
		PNS	PKP	02 44 13.6		1.5	30.2	
			IPPKP	44 56.4				
		LPB	PKP	02 44 14.5		1.0	17.0	159.4
			PKP2	44 55.5				
			EL	03 39 00				
APR	16	TRJ	IP	04 59 42.2	C			
		LPB	EP	05 00 07				5.5
			S	01 11.5				
		PNS	P	05 00 10.6	D	0.6	6.7	
			ES	01 13				
APR	16	PNS	IP	07 08 25.8	D	0.4	4.8	
APR	16	USCGS	07 12 37.1, 18.2N, 61.9W, H = 30 Km, M = 4.5					
		LEEWARD ISLANDS						
		PNS	IP	07 19 27.0	C	1.3	32.1	
			PP	20 48.8				
			ES	24 53				
		LPB	IP	07 19 28.4	C	1.2	36.4	35.5
			PP	19 37				
			EL	30 00				
		TRJ	EP	07 20 06.2	C			
APR	16	LPB	P	09 12 46.5				
APR	16	LPB	EP	09 39 54		0.7	52.0	
APR	16	USCGS	10 13 28.0, 35.0N, 141.5E, H = 63 Km, M = 5.2					
		OFF E CST OF HONSHU, JAPAN						
		PNS	EPKP	10 33 06.3		1.3	24.6	
			I	33 20.0				
		LPB	IPKP	10 33 09.5	C	1.2	39.5	147.7
			I	33 20.5				
			PPKP	33 24.8				
			ESS	11 02 13				
			EL	23 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	16	PNS	P	11 03 50.0		0.4		
APR	16	LPB	EP	11 24 57				
APR	16	USCGS	11 32 01.1, 19.0N, 70.4W, H = 46 Km, M = 4.7					
		DOMINICAN REPUBLIC REGION						
		PNS	P	11 38 52.4		1.2	21.2	
		LPB	P	11 38 54.5		1.1	20.7	35.5
			PP	40 12.5				
			EL	50 00				
		TRJ	IP	11 39 36.6	D			
APR	16	USCGS	13 21 33.0, 11.5N, 88.1W, H = 33 Km, M = 4.5					
		OFF CST OF CENTRAL AMERICA						
		PNS	EP	13 28 16				
		LPB	EP	13 28 17				34.2
			EL	13 39 00				
APR	16	PNS	P	13 44 54.5	C	0.4	4.2	1.5
			S	45 14				
APR	16	USCGS	14 43 20.5, 0.8N, 29.9E, H = 33 Km, M = 5.3					
		REPUBLIC OF THE CONGO						
		LPB	EP	14 56 49				97.3
			EL	15 30 00				
		PNS	EP	14 57 00				
APR	16	USCGS	15 23 29.3, 21.1S, 178.6W, H = 511 Km, M = 5.4					
		FIJI IS REG						
		LPB	EP	15 36 30				102.4
			EL	59 00				
APR	16	PNS	IP	16 05 06.0	C	0.8	40.2	
			IS	05 56				
		LPB	IP	16 05 11.5	D	1.0	35.0	
			(S)	06 01				
APR	16	PNS	EP	18 44 55				
APR	16	USCGS	19 12 54.3, 20.5S, 69.4W, H = 101 Km, M = 4.4					
		N CHILE						
		LPB	IP	19 13 57.6	D	0.9	13.6	4.2
			S	14 45				
		PNS	IP	19 14 00.4	D	0.5	10.9	
			ES	14 45				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	16	PNS	IP	19 42 12.0	C	0.3	5.2	1.8
			IS	42 35.4				
APR	16	LPB	EP	20 48 46				
		PNS	EP	20 49 00.9				
			I	49 09.4		0.5	5.2	
APR	16	CCH	P	21 44 01	D			
		PNS	P	21 47 28.4				
			S	48 03.0				2.9
		LPB	EP	21 47 40				
APR	16	USCGS	22 49 38.9, 56.7N, 136.2W, H = 5 Km, M = 4.1					
		OFF CST OF SE ALASKA						
		LPB	EL	23 33 00				92.3
APR	16	CCH	EP	23 15 07.1				
		LPB	EP	23 15 32.5				
			S	15 58.5				2.2
		PNS	EP	23 15 41.6				
			IS	16 16.7				
APR	16	LPB	P	23 34 09.7				
			S	34 36				2.2
		PNS	P	23 34 18.0				
			ES	34 50		0.4	4.8	
APR	17	USCGS	00 38 37.0, 20.7S, 68.1W, H = 61 Km, M = 4.3					
		CHILE-BOLIVIA BOR REG						
		LPB	EP	00 39 51				
			PN	39 55				4.4
			PG	40 10				
			ES	40 29				
		PNS	IP	00 39 54.4	C	0.4	4.3	
			I	39 57.0				
			S	40 33				
APR	17	LPB	P	03 49 28.5				
APR	17	TRJ	IP	05 14 39.7	C			
			IS	15 39.5				5.1
		PNS	P	05 15 52.0		0.5	2.3	
APR	17	LPB	EP	05 47 50				
		PNS	EP	05 47 51				
APR	17	TRJ	IP	06 09 57.8	D			
			S	10 26.5	C			2.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	17	USCGS	06 38 06.0, 15.2S, 173.2W, H = 33 Km, M = 4.8					
		TONGA IS						
		LPB	EL	07 25 00				99.4
APR	17	PNS	EP	07 06 46.6				
APR	17	USCGS	07 04 20.5, 37.4N, 118.6W, H = 33 Km, M = 4.0					
		CALIFORNIA-NEVADA BOR REG						
		PNS	EP	07 15 37				
APR	17	PNS	IP	08 00 22.4	D	0.4	8.3	1.8
			S	00 44.6				
APR	17	LPB	EP	08 55 51		0.9	11.9	
		PNS	IP	08 55 51.8	C	1.0	24.2	
		TRJ	P	08 55 53.4	C			
APR	17	PNS	IP	09 04 33.1	D	0.9	21.2	3.7
			ES	05 16				
		LPB	EP	09 04 33.5		1.0	16.0	
		TRJ	P	09 04 34.6	C			
APR	17	PNS	P	09 25 58.8				
		LPB	EP	09 26 03.5				
APR	17	PNS	EP	10 16 34.7		0.3	11.8	1.8
			S	16 57.4				
		LPB	EP	10 16 41				
APR	17	TRJ	IP	12 07 14.5	C			
		LPB	EP	12 07 15.6				3.8
			S	08 00.5				
		PNS	P	12 07 20.9	C	0.5	6.5	
			S	08 07.4				
APR	17	CCH	P	13 16 45.7	D			
		LPB	IP	13 17 19	C	0.8	51.8	2.6
			S	17 50.5				
		PNS	P	13 17 26.0		0.5	40.3	
			IS	18 02.0				
APR	17	USCGS	14 01 56.5, 43.9N, 87.8E, H = 33 Km, M = 4.8					
		SINKIANG PROVINCE, CHINA						
		LPB	EPKP	14 21 27				145.9
			EL	15 11 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	17	USCGS	16 46 50.9, 54.2N, 133.5W, H = 33 Km, M = 4.5					
			QUEEN CHARLOTTE IS REG					
		LPB	EP	16 59 44				89.9
			EL	17 29 00				
		PNS	EP	16 59 45				
APR	17	PNS	P	17 31 54.8		0.3	16.2	
APR	17	PNS	EP	17 48 00				1.8
			S	48 21.6				
		LPB	EP	17 48 22				
APR	17	LPB	P	18 52 31				2.3
			S	52 59				
		PNS	IP	18 52 31.3				
			S	53 00.0				
APR	17	USCGS	19 00 58.0, 23.8S, 65.5W, H = 105 Km, M = 4.3					
			JUJUY PROVINCE, ARGENTINA					
		TRJ	IP	19 02 06.5	D			
		LPB	EP	19 02 14				8.1
			S	04 25				
		PNS	P	19 03 04.6		0.4	6.1	
			S	04 30.0				
APR	17	PNS	P	19 57 35.8		0.3	4.2	1.8
			S	57 58.0				
APR	17	LPB	EP	20 36 44		1.0	16.0	
		PNS	EP	20 36 45.3		0.7	9.9	
APR	17	LPB	EP	23 22 40				3.4
			S	23 20				
		PNS	IP	23 22 54.0	D	0.3	4.2	
			S	23 17.6				
APR	17	LPB	EP	23 59 27				
APR	18	PNS	EP	00 30 14				
APR	18	LPB	P	00 34 36.5		1.2	31.2	
			L	58 00				
		PNS	P	00 34 36.6	C	1.0	24.8	
APR	18	PNS	IP	00 42 41.2	C			
			S	43 26.8				
		LPB	P	00 42 46.5		0.9	18.7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	18	LPB	EP	00 45 13				
APR	18	TRJ	P	02 09 24.6	D			2.8
			IS	09 57.7	D			
		LPB	P	02 09 46.5		0.9	15.3	
		PNS	IP	02 09 50.9	D	0.5	17.2	
APR	18	PNS	P	03 06 39.5				
APR	18	LPB	IP	03 38 21.5	C	0.9	15.3	3.1
			S	38 58				
		PNS	IP	03 38 25.2	C	0.5	18.2	
			IS	39 04.2				
		TRJ	IP	03 39 16.9	C			
APR	18	LPB	EP	04 01 20				
		PNS	IP	04 01 22.6	D	0.5	10.2	0.3
			IS	01 29.0				
APR	18	TRJ	IP	04 13 33.9	D			
APR	18	TRJ	IP	06 33 58.0	D			2.6
			S	34 29.6	D			
APR	18	LPB	EP	07 13 08				
		PNS	E(P)	07 13 10				
APR	18	PNS	EP	07 52 59.6				
		LPB	EP	07 53 01				
APR	18	USCGS	08 14 18.8, 12.9N, 48.3E, H = 57 Km, M = 5.4					
			E GULF OF ADEN					
		LPB	EPKP	08 33 05		1.1	9.2	118.9
			EL	09 12 00				
		PNS	PKP	08 33 05.8		1.3		
APR	18	PNS	E(P)	08 52 42				
		LPB	EP	08 52 47				
APR	18	USCGS	09 08 12.8, 10.6S, 161.6E, H = 32 Km, M = 4.9					
			SOLOMON IS					
		PNS	EPKP	09 27 09				123.8
		LPB	EL	10 07 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	18	PNS	EP	10 18 23.2				
		LPB	EP	10 18 26		0.8	5.6	
APR	18	PNS	P	10 32 29.9		0.3	7.2	2.2
			ES	32 55.7				
		LPB	EP	10 32 34				
APR	18	TRJ	P	12 04 54.0	C			2.3
			S	05 21.2	D			
APR	18	PNS	IP	12 06 59.7	D			
			IS	07 24.8				
		LPB	EP	12 07 02		1.0	20.0	2.2
			S	07 28.5				
APR	18	PNS	EP	12 49 10				3.4
			S	49 49.6				
APR	18	TRJ	IP	15 15 36.0	D			2.9
			IS	16 09.8	D			
APR	18	PNS	EP	16 41 12.6		0.4	2.2	3.2
			ES	41 50.8				
APR	18	LPB	EP	17 21 34				
		PNS	IP	17 21 49.2	C			1.7
			S	22 10.8				
APR	18	PNS	IP	19 09 31.0	C	0.3	2.3	
		TRJ	IP	19 09 32.6	D			
APR	18	PNS	IP	19 41 50.8	D	0.6	7.8	4.3
			ES	42 41				
APR	18	PNS	P	21 38 33.8		0.4	6.8	1.8
			IS	38 57.3				
		LPB	EP	21 38 51				
APR	18	LPB	EP	22 13 46				
		PNS	EP	22 13 46				0.8
			S	13 57				
APR	18	USCGS	22 35 20.0, 36.7N, 137.9E, H = 33 Km, M = 4.3					
		HONSHU, JAPAN						
		LPB	EPKP	22 55 05		0.9	3.4	149.5
		PNS	EPKP	22 55 06				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	18	TRJ	IP	23 27 39.0	D			
APR	19	TRJ	IP	00 32 39.4	C			4.3
			IS	33 20.1	D			
		PNS	IP	00 33 07.5				
		LPB	P	00 33 26		0.9	13.6	
APR	19	PNS	P	01 07 55.8		0.4	2.3	
		LPB	P	01 08 04.7		0.7	2.6	
APR	19	LPB	EP	02 15 08				
		PNS	EP	02 15 14.8				
APR	19	PNS	P	02 34 40.7				
APR	19	PNS	IP	02 55 55.6	C	0.4	11.0	
APR	19	PNS	EP	03 35 09				2.0
			S	35 33.8				
APR	19	PNS	P	03 55 55.4				
APR	19	TRJ	P	06 01 58.8	D			2.6
			IS	02 30.2	C			
APR	19	TRJ	IP	06 59 11.8	C			
			IS	59 46.3	C			
		LPB	IP	06 59 25.5		0.8	44.7	4.0
			S	07 00 13.2				
		PNS	IP	06 59 29.4	D	0.3	38.2	
			S	07 00 27.0				
APR	19	SCS	IP	07 31 27.7				
		PNS	IP	07 31 33.2	C	0.3	4.6	2.3
			S	32 01.0				
		LPB	P	07 31 34.6		0.4	9.6	
APR	19	LPB	EP	09 01 15				
		PNS	P	09 01 18.6		0.3	2.3	
APR	19	TRJ	P	09 12 48.6	C			2.8
			S	13 22.1	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	19	LPB	EP	09 46 10				
		PNS	EP	09 46 12.7		0.9	18.0	
APR	19	TRJ	IP	09 52 39.1	C			
		LPB	P	09 53 17.0		0.8	8.4	5.4
			S	54 19.5				
		PNS	IP	09 53 20.3	D	0.7	10.2	
			IS	54 19.0				
APR	19	PNS	EP	10 17 20.3				
		LPB	P	10 17 29.5		0.3	28.7	
APR	19	PNS	EP	15 12 43				
			S	13 05.8				1.8
APR	19	PNS	EP	15 48 05				
			ES	49 38				8.3
APR	19	TRJ	IP	15 54 35.2	D			
			S	55 04.2				2.4
APR	19	TRJ	IP	16 36 14.0	C			
			IS	36 55.1	C			3.5
		PNS	P	16 36 39.3		0.5	3.9	
		LPB	P	16 36 57		0.6	8.4	
APR	19	PNS	IP	19 48 22.5	C	0.9	28.0	
APR	19	USCGS	20 26 42.5, 53.1N, 159.3E, H = 62 Km, M = 5.0					
		NR E CST OF KAMCHATKA						
		LPB	EPKP	20 45 51				
			EL	21 27 00				128.3
APR	19	LPB	P	21 48 17.5		0.9	49.3	
			I	48 22.8				
			(IS)	48 33				
APR	19	USCGS	22 51 00.9, 31.7S, 179.5W, H = 169 Km, M = 4.6					
		KERMADEC IS						
		LPB	EP	23 04 39				
			EL	40 00				103.6
APR	20	LPB	EP	02 32 45				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	20	USCGS	02 32 49.7, 18.8N, 147.0E, H = 12 Km, M = 5.0					
		MARIANA IS						
		LPB	EPKP	02 52 34.5		1.5	623.0	147.7
			PPKP	52 44.5				
			ESKS	59 43				
			ESS	03 16 09				
			EL	03 43 00				
		TRJ	EPKP	02 52 43.0	C			
APR	20	USCGS	02 40 44.0, 19.0N, 147.0E, H = 10 Km, M = 4.9					
		MARIANA IS REG						
		LPB	EPKP	03 00 28		0.9	11.3	147.7
			EL	51 00				
APR	20	LPB	EP	03 06 03				
APR	20	USCGS	02 55 30.0, 19.0N, 146.7E, H = 33 Km, M = 4.7					
		MARIANA IS REG						
		LPB	EPKP	03 15 09		1.0	4.0	147.0
			EL	04 05 00				
		TRJ	EPKP	03 15 18.6				
APR	20	LPB	EP	03 29 34				
APR	20	LPB	EP	05 26 22.5				
APR	20	USCGS	05 33 53.1, 19.0N, 146.8E, H = 39 Km, M = 4.9					
		MARIANA IS REG						
		LPB	EPKP	05 53 31		1.5	10.4	147.8
			EL	06 44 00				
APR	20	USCGS	06 00 39.4, 18.9N, 146.8E, H = 33 Km, M = 5.1					
		MARIANA IS						
		LPB	PKP	06 20 20		2.0	80.0	146.8
			PKP2	20 25				
			IPPKP	20 32.2				
			EL	07 11 00				
		TRJ	EPKP	06 20 29.8	C			
APR	20	USCGS	06 43 00.0, 18.8N, 146.8E, H = 47 Km, M = 5.0					
		MARIANA IS						
		LPB	PKP	07 02 39.2		1.5	57.0	146.8
			EPP	06 08				
			EL	52 00				
		TRJ	PKP	07 02 51.5	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	20	LPB	IP	07 57 35		1.0	65.0	5.2
			S	58 34.5				
		TRJ	P	07 57 36.1	C			
APR	20	LPB	EP	19 10 23				
APR	20	TRJ	IP	09 19 10.6	D			2.5
			S	19 40.6	C			
APR	20	LPB	IP	09 48 04	C	0.9	12.8	2.9
			IS	48 39.5				
		TRJ	IP	09 48 23.9	D			
APR	20	LPB	EP	10 45 36				
APR	20	PNS	EP	13 15 36.6				
			ES	16 27.6				
		LPB	EP	13 15 46		1.0	22.0	
			EL	27 00				
APR	20	USCGS	13 01 35.4, 19.0N, 146.9E, H = 48 Km, M = 4.3					
		MARIANA IS						
		LPB	EPKP	13 21 16				
			EL	14 12 00				147.8
APR	20	USCGS	13 28 11.0, 37.0N, 115.1E, H = 33 Km, M = 4.8					
		NE CHINA						
		LPB	EPKP	13 48 10				
			EL	14 43 00				159.2
APR	20	USCGS	14 01 26.7, 18.8N, 146.9E, H = 28 Km, M = 5.2					
		MARIANA IS						
		LPB	EPKP	14 21 08		1.2	33.7	147.4
			PPKP	21 18.0				
			EL	15 12 00				
		PNS	PKP	14 21 08.0	C	1.6	40.2	
		TRJ	PKP	14 21 19.0	D			
APR	20	USCGS	14 31 26.0, 37.1N, 114.8E, H = 33 Km, M = 4.9					
		NE CHINA						
		PNS	EPKP	14 51 25				
		LPB	EPKP	14 51 26				
			EL	15 47 00				159.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	20	USCGS	16 26 21.2, 18.8N, 146.9E, H = 55 Km, M = 5.4					
		MARIANA IS						
		PNS	PKP	16 45 59.1		1.7	205.0	
		LPB	PKP	16 46 00.5		3.2	1.479	146.8
			EPP	49 37				
			EL	17 26 00				
		TRJ	IPKP	16 46 06.5	D			
APR	20	USCGS	16 42 03.7, 41.7N, 48.2E, H = 19 Km, M = 5.5					
		E CAUCASUS						
		LPB	EL	16 56 00				30.5
APR	20	PNS	EP	17 00 57.5		0.9	7.2	
		TRJ	P	17 00 58.2				
APR	20	TRJ	P	18 57 14.7	C			
		PNS	EP	18 58 02.6		0.8		
APR	20	TRJ	P	21 43 39.1	C			
APR	20	PNS	EP	23 27 43				5.2
			ES	28 43				
APR	21	LPB	E(P)	00 03 10				
			S	04 03.5				
APR	21	TRJ	IP	00 04 34.9	D			
		LPB	EP	00 05 33.5				
		PNS	EP	00 05 37.6				
APR	21	TRJ	P	00 25 45.2	D			2.5
			S	26 15.5				
APR	21	PNS	P	00 41 52.5				2.7
			S	42 24.6				
APR	21	PNS	EP	00 51 06.6				
APR	21	PNS	EP	00 52 02				
APR	21	PNS	EP	01 03 57				
APR	21	PNS	EP	03 00 53.5				1.7
			S	01 16.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	21	LPB	P	04 30 18.5		0.9	27.2	4.7
			S	31 13				
		PNS	P	04 30 18.6				
			S	31 06				
APR	21	TRJ	IP	05 21 01.4	C			
APR	21	USCGS	06 09 40.9, 14.1N, 90.6W, H = 80 Km, M = 4.1					
		GUATEMALA						
		PNS	EP	06 16 49				
		LPB	EP	06 16 52				
			EL	28 00				37.9
APR	21	PNS	EP	06 57 00				
APR	21	USCGS	06 45 29.0, 34.8N, 26.0E, H = 52 Km, M = 5.1					
		CRETE						
		LPB	EP	06 59 18				102.7
APR	21	PNS	P	07 21 34.0		0.9	8.2	
APR	21	USCGS	08 18 23.9, 6.9N, 73.1W, H = 152 Km, M = 4.8					
		KURILE IS						
		PNS	P	08 23 21		0.6	43.0	
		LPB	EP	08 23 26				23.2
APR	21	USCGS	09 16 58.0, 21.7N, 142.8E, H = 326 Km, M = 4.6					
		MARIANA IS REG						
		PNS	PKP	09 36 13.6		1.0	16.2	
		LPB	PKP	09 36 14.6		1.0	15.0	
			EL	10 29 00				150.2
APR	21	USCGS	12 40 57.0, 19.1N, 64.4W, H = 28 Km, M = 4.2					
		VIRGIN IS						
		LPB	EP	12 47 46				
			EL	58 00				35.6
		PNS	EP	12 47 51				
APR	21	TRJ	IP	14 36 03.4	C			
			IS	36 44.5	C			
		LPB	EP	14 36 25				
		PNS	P	14 36 28.0		0.8	13.2	5.1
			ES	37 27				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	21	PNS	EP	16 02 58				
			I	03 02.8				
APR	21	USCGS	15 45 25.4, 36.1N, 141.8E, H = 30 Km, M = 5.5					
		NR E CST OF HONSHU, JAPAN						
		PNS	PKP	16 05 04.5		1.2	42.8	
			IPPKP	05 16.0				
		LPB	PKP	16 05 06.5		1.7	100.8	147.2
			PPKP	05 16.5				
			SS	27 35				
			EL	55 00				
APR	21	TPJ	P	16 19 34.9	C			
APR	21	USCGS	16 37 48.0, 24.3N, 122.2E, H = 60 Km, M = 4.6					
		TAIWAN REG						
		LPB	EPKP	16 57 41				162.1
		PNS	EPKP	16 57 51.8		1.5	18.2	
APR	21	PNS	P	17 03 51.4				2.5
			IS	04 21.4				
APR	21	USCGS	17 36 50.0, 35.5N, 142.0E, H = 46 Km, M = 5.1					
		NR E CST OF HONSHU, JAPAN						
		PNS	PKP	17 56 29.5		1.9	15.0	
			IPPKP	56 41.0				
		LPB	PKP	17 56 31.5		1.9	132.7	147.3
			PPKP	56 41				
			ESS	18 19 06				
			EL	40 00				
		TRJ	IPKP	17 56 44.6	C			
APR	21	USCGS	18 09 57.0, 6.7N, 73.5W, H = 180 Km, M = 3.8					
		N COLOMBIA						
		LPB	EP	18 14 50				23.4
			EL	19 20 00				
		PNS	P	18 14 50.6		0.9	6.2	
			E	15 24.3				
APR	21	PNS	IP	18 25 44.6	C	0.2	6.2	1.8
			S	26 06.7				
APR	21	LPB	EP	22 59 32				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	21	USCGS	22 45 18.0, 4.5S, 152.0E, H = 118 Km, M = 5.3					
			NEW BRITAIN REGION					
		LPB	EPKP	23 04 26				135.1
			EL	49 00				
		PNS	EPKP	23 04 26.2				
			EPPKP	04 54.8				
			PKS	07 49				
APR	22	PNS	EP	00 09 50				
			ES	10 29				3.3
APR	22	LPB	EP	01 24 37				
		PNS	IP	01 24 39.3	D	0.3	25.2	2.7
			IS	25 02.0				
APR	22	LPB	EP	01 58 51				
			S	59 30				3.4
		PNS	P	01 58 52.5		0.6	6.2	
			(S)	59 28.5				
APR	22	PNS	EP	03 04 54				
			(S)	05 49.0				4.7
		LPB	EP	03 04 55				
APR	22	USCGS	03 06 32.3, 37.8S, 73.4W, H = 18 Km, M = 5.7					
			NR CST OF CENTRAL CHILE					
		TRJ	IP	03 10 42.8	D			
		CCH	IP	03 11 21.2				
		PNS	IP	03 11 28.3	C	1.0	98.0	
			IS	15 31.7				
		LPB	IP	03 11 36	C	0.9	136.0	21.6
			(PP)	11 55				
			IS	15 28				
			EL	17.4				
APR	22	LPB	EP	03 29 52				
		PNS	P	03 29 54.6		0.6	2.8	
APR	22	USCGS	02 58 04.0, 47.9N, 47.7E, H = 33 Km, M = 4.9					
			SW RUSSIA					
		LPB	EL	03 54 00				119.6
APR	22	LPB	EP	05 33 32				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	22	PNS	IP	06 46 16.2	C	0.7	15.2	
APR	22	PNS	EP	08 21 12.3				
APR	22	USCGS	08 24 38.0, 23.0S, 69.8W, H = 72 Km, M = 4.5					
			N CHILE					
		TRJ	IP	08 25 51.1	D			
		LPB	EP	08 26 16		1.2	26.0	6.7
			(PG)	26 20.8				
			I(PP)	26 39.5				
			S	27 47.5				
		CCH	EP	08 26 16.7				
		PNS	IP	08 26 18.4	C	0.8	7.0	
			IPP	26 23.4				
			IS	27 45.8				
APR	22	PNS	P	08 48 33.0		0.7	4.8	
			I	48 40.0				
APR	22	USCGS	10 15 51.0, 56.9N, 151.8W, H = 33 Km, M = 4.9					
			KODIAK IS REG					
		LPB	EP	10 29 36				100.4
APR	22	PNS	EP	10 56 39				3.8
			S	57 23.8				
APR	22	PNS	P	10 56 50.6		0.3	4.0	
APR	22	PNS	EP	11 06 24				
APR	22	PNS	P	12 18 02.0				
		LPB	P	12 18 08				
APR	22	USCGS	12 17 36.0, 60.5S, 25.4W, H = 33 Km, M = 5.7					
			S SANDWICH IS REG					
		CCH	IP	12 26 44.2	D			
		SCS	IP	12 26 50.8				
		LPB	IP	12 26 56	C	1.0	98.0	53.1
			PP	27 05				
			ES	34 22				
			EL	43 00				
		PNS	IP	12 26 59.3	C	0.9	15.0	
			I	28 07.0				
			EPP	29 02.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	22	PNS	IP	12 37 09.4	D	0.4		2.1
			S	37 34				
APR	22	PNS	IP	12 42 16.0	D	0.3	5.7	2.2
			S	42 42.0				
APR	22	USCGS	13 01 03.6, 18.8N, 146.8E, H = 59 Km, M = 4.9					
		MARIANA IS						
		PNS	PKP	13 20 42.3		1.6	16.3	
		LPB	PKP	23 20 43				
			EL	14 11 00				146.8
APR	22	PNS	EP	14 32 14.6				
			S	32 38				1.9
APR	22	LPB	EP	14 45 59				
APR	22	LPB	EP	14 59 54				
		PNS	P	14 59 59.4	D	0.4	2.7	6.5
			S	15 01 14				
APR	22	LPB	P	16 00 34.5		1.0	18.0	
		PNS	P	16 00 34.6		1.0	20.2	
APR	22	PNS	IP	18 42 32.5	D	0.4	13.2	
			S	42 57				
APR	22	PNS	EP	21 20 46				
			S	21 21.6				2.9
APR	22	PNS	EP	21 39 01.0		0.5	4.8	
APR	22	PNS	EP	21 47 57.2				
APR	22	USCGS	23 27 20.5, 57.5N, 152.1W, H = 22 Km, M = 5.9					
		KODIAK IS REG						
		PNS	P	23 41 03		2.0	68.2	
			PP	41 12				
			SKS	51 42				
			SS	59 34				
		LPB	P	23 41 06				
			PP	45 15				
			S	51 47				100.9
			EL	00 15 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	23	USCGS	00 09 34.4, 0.9S, 122.4E, H = 45 Km, M = 6.0					
		N CELEBES						
		LPB	PKP	00 29 30.2		1.3	22.3	151.3
			I	29 37.0				
			PP	34 00				
			SS	51 17				
			G	01 12 00				
			EL	22 00				
		PNS	PKP	00 29 30.4				
			I	29 37.0				
			PPKP	29 41.8				
			PP	33 59.7				
APR	23	PNS	P	00 51 41		0.9	4.4	
APR	23	USCGS	01 03 23.0, 73.6N, 8.7E, H = 33 Km, M = 4.6					
		GREENLAND SEA						
		LPB	EL	01 52 00				101.9
APR	23	USCGS	01 46 07.0, 24.8S, 67.1W, H = 171 Km, M = 4.3					
		CHILE-ARGENTINA BOR REG						
		SCS	P	01 47 50.5				
		LPB	P	01 48 00		1.0	18.0	7.9
			S	49 29.5				
		PNS	P	01 48 03.0		0.5	16.2	
			S	49 29.6				
APR	23	PNS	P	02 19 45.8		0.4	6.2	
APR	23	USCGS	03 28 24.7, 23.8S, 175.7W, H = 54 Km, M = 5.1					
		TONGA IS REG						
		LPB	EP	03 41 52				98.3
			EL	04 15 00				
		PNS	EP	03 41 53				
			PP	42 03				
APR	23	USCGS	03 49 03.4, 0.6S, 122.0E, H = 15 Km, M = 5.3					
		N CELEBES						
		PNS	PKP	04 09 04				
			PSS	33 35				
		LPB	PKP	04 09 07.2		1.3	25.2	158.1
			EL	05 06 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	23	USCGS N CHILE	04 19 15.0, 22.1S, 68.8W, H = 146 Km, M = 4.2					
		LPB	IP	04 20 36.2	D	0.7	8.4	5.5
			PN	20 38.5				
			PG	21 02.8				
			IS	21 37.0				
		PNS	IP	04 20 39.9	D	0.6	12.4	
			S	21 41.4				
APR	23	USCGS E INDIA	04 17 26.0, 26.0N, 90.4E, H = 33 Km, M = 5.1					
		LPB	EPKP	04 37 25				
			EL	05 32 00				158.1
APR	23	PNS	EP	05 24 51				
			IS	25 14.0				1.9
APR	23	USCGS MINDANAO, P. I.	05 33 22.9, 6.0N, 126.2E, H = 63 Km, M = 4.9					
		PNS	EPKP	05 53 19.3				
		LPB	EPKP	05 53 21				
			EL	06 50 00				162.6
APR	23	USCGS S OF FIJI IS	05 45 53.3, 23.4S, 179.8W, H = 509 Km, M = 4.8					
		PNS	EP	05 58 55				
APR	23	USCGS NR N CST OF NEW GUINEA	05 57 12.0, 4.4S, 144.1E, H = 100 Km, M = 4.9					
		PNS	IPKP	06 16 30.8	C	0.7	7.0	
		LPB	EPKP	06 16 32		0.8	8.4	
			EL	07 05 00				141.5
APR	23	USCGS COOK STRAIT, NEW ZEALAND	06 49 38.6, 41.6S, 174.4E, H = 15 Km, M = 5.8					
		PNS	EP	07 03 10				
			I	03 30.3				
		LPB	EP	07 03 18				
			L	36 00				98.0
APR	23	PNS	IP	08 44 51.3	D	0.5	4.9	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	23	USCGS N CELEBES	09 56 10.0, 0.5S, 122.2E, H = 79 Km, M = 5.8					
		LPB	IPKP	09 16 41.5	D	2.2	360.0	159.9
			PKP2	17 16.0				
			PKS	20 13.5				
			PP	21 09				
			SS	41 18				
			EL	10 11 00.				
		PNS	IPKP	09 16 41.7	D	1.7	390.0	
			I	17 29.6				
			PP	21 08.0				
			S	41 18				
APR	23	USCGS MINDANAO, P.I.	09 16 28.0, 6.0N, 126.3E, H = 10 Km, M = 5.2					
		LPB	EPKP	09 36 34				162.6
			ES	10 00 55				
			EL	10 33 00				
		PNS	PKP	09 36 34.6		1.4	22.0	
			I	37 07.6				
APR	23	PNS	EP	09 49 22				
		LPB	EP	09 49 29		1.1	6.9	
APR	23	PNS	EP	11 00 50.6				
APR	23	USCGS N CELEBES	11 06 53, 0.5S, 122.1E, H = 104 Km, M = 4.8					
		LPB	EPKP	11 26 44				155.5
			EL	12 30 00				
APR	23	PNS	EP	13 40 14.6				2.2
			IS	40 41.3				
APR	23	PNS	EP	14 12 14				
APR	23	PNS	EP	14 33 45				
APR	23	USCGS N CELEBES	14 19 47.3, 0.3S, 122.3E, H = 108 Km, M = 5.1					
		PNS	EPKP	14 39 37				
		LPB	EPKP	14 39 38				160.2
			EL	15 36 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	23	PNS	EP	15 34 34				
APR	23	LPB	EP	19 40 00				
		PNS	P	19 40 04.4				
APR	23	LPB	EP	23 16 21.5				
			S	17 19.5				5.0
		PNS	P	23 16 28.9		0.6	20.2	
			S	17 25.6				
APR	24	PNS	EP	02 56 56.6				
			S	57 45.8				4.2
		LPB	EP	02 57 12				
APR	24	SCS	EP	03 52 21.2				
		LPB	EP	03 52 29				
			S	53 03				2.9
		PNS	EP	03 52 29.1				
			S	53 02.3				
APR	24	SCS	P	04 08 05.5				
		LPB	P	04 08 18.5				
		PNS	P	04 08 27				
			S	09 00				2.8
APR	24	LPB	EP	06 00 08				
		PNS	EP	06 00 11.4				
APR	24	USCGS	06 03 52.2, 13.0N, 88.9W, H = 62 Km, M = 4.6					
		OFF CST OF CENTRAL AMERICA						
		PNS	P	06 10 45.4		0.6	6.0	
		LPB	EP	06 10 48		0.8	5.6	
			EL	22 00				36.0
APR	24	LPB	EP	07 36 54				
		PNS	EP	07 36 55				
APR	24	SCS	EP	07 40 16.3				
		PNS	IP	07 40 29.9	D	0.3	4.8	
			S	41 27.5				
		LPB	EP	07 40 37		0.9	15.3	
			S	41 38				5.2
APR	24	USCGS	07 02 24.2, 21.1S, 179.2W, H = 642 Km, M = 4.9					
		FIJI IS REG						
		LPB	EL	07 51 00				102.7

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	24	SCS	IP	07 56 03.5				
		LPB	IP	07 56 13.3	D	0.7	54.8	6.5
			S	57 27				
		PNS	IP	07 56 17.4	D			
			S	57 32.0				
APR	24	LPB	EP	08 45 37				
		PNS	EP	08 45 44.8				
APR	24	CCH	IP	11 32 46.2	C			
		SCS	IP	11 32 52.8				
		LPB	IP	11 33 03		0.8	19.6	6.3
			S	34 15				
		PNS	P	11 33 06.5		0.5	8.2	
			S	34 24.2				
APR	24	CCH	EP	11 56 10.3				
APR	24	PNS	P	13 25 42.6		0.5	3.2	2.2
			S	26 09.2				
APR	24	USCGS	15 13 36.1, 52.7N, 168.9W, H = 68 Km, M = 4.8					
		FOX IS ALEUTIAN IS						
		LPB	EL	16 05 00				109.6
APR	24	TRJ	IP	17 43 39.0	D			
APR	24	TRJ	P	17 54 41.9				2.6
			IS	55 13.1				
		PNS	P	17 55 13.9				
APR	24	USCGS	20 42 52.0, 1.3N, 126.8E, H = 57 Km, M = 4.5					
		MOLUCCA PASSAGE						
		TRJ	EP	21 02 46.7	D			
			IS	03 17.2	D			
		LPB	EPKP	21 02 47				158.6
			EL	58 00				
		PNS	EPKP	21 02 48.6		2.0	5.8	
APR	24	USCGS	21 29 40.0, 67.3N, 136.0W, H = 47 Km, M = 4.4					
		N YUKON TERR CANADA						
		LPB	EL	22 15 00				96.8

MONTH	DAY	STA	PHASE	TIME		SIGN	PER	AMPL	DIS
			S	01 52.7					
APR	25	USCGS	02 10 15.2, 21.9S, 69.5W, H = 115 Km, M = 4.6						
		CHILE-BOLIVIA BOR REG							
		TRJ	IP	02 11 13.4	C				
		SCS	IP	02 11 26.7					
		LPB	P	02 11 36	C	0.9	78.2		5.3
			IPG	12 13					
			S	12 38					
		PNS	IP	02 11 39.4	C	0.6	60.2		
			I	12 17.0					
			S	12 34					
APR	25	LPB	P	03 28 39					
		PNS	P	03 28 42.4					
APR	25	USCGS	04 32 30.0, 42.3S, 75.6W, H = 35 Km, M = 4.9						
		OFF CST OF S CHILE							
		TRJ	IP	04 37 31.4	C				
		LPB	EP	04 38 06					26.1
			EL	45 00					
		PNS	P	04 38 08.4		1.3	20.2		
APR	25	LPB	EP	04 32 06					
			EL	48 00					
		PNS	E(P)	04 32 09					
APR	25	PNS	P	05 20 28.2		1.3	14.2		
		LPB	EP	05 20 29					
APR	25	PNS	EP	05 29 37.1		1.0	10.1		
		LPB	P	05 29 38					
APR	25	USCGS	05 52 49.0, 8.7N, 103.4W, H = 33 Km, M = 4.0						
		OFF CST OF MEXICO							
		PNS	EP	06 00 43.2					
		LPB	EP	06 00 47					42.9
APR	25	PNS	P	06 43 33.2		0.2	1.8		1.7
			IS	43 54.9					

MONTH	DAY	STA	PHASE	TIME		SIGN	PER	AMPL	DIS
APR	25	PNS	EP	06 49 11.7					4.8
			(S)	50 07.4					
		LPB	EP	06 49 22					
APR	25	LPB	EP	07 03 01.5					
		PNS	P	07 03 06.0			0.4	2.9	
APR	25	PNS	P	07 06 34.0			0.5	6.7	
			I	06 36.9					
			IS	07 20.6					
		LPB	EP	07 06 39			0.7	9.1	4.8
			S	07 35.5					
		SCS	EP	07 06 49.7					
APR	25	USCGS	09 22 05.0, 6.9S, 11.7W, H = 33 Km, M = 4.5						
		ASCENSION IS REG							
		LPB	EP	09 31 42					56.3
			EL	50 00					
		PNS	EP	09 31 44					
APR	25	USCGS	10 41 55.2, 21.0S, 178.7W, H = 561 Km, M = 5.3						
		FIJI IS REG							
		LPB	EP	10 54 59					102.2
			EL	11 28 00					
		PNS	EP	10 55 00.6					
			I	59 16.6					
			PP	59 25.6					
APR	25	LPB	EP	10 58 07					
APR	25	CCH	P	11 11 45.9					
APR	25	PNS	EP	11 51 09					
			I	51 15.0					
			S	52 06					
		LPB	EP	11 51 18					6.1
			S	52 28					
		SCS	EP	11 51 28.4					
		CCH	EP	11 51 33.4					
APR	25	SCS	IP	12 24 03.4					
		LPB	EP	12 24 05					2.0
			S	24 29					
		PNS	IP	12 24 05.4		D	0.7	20.0	
			S	24 29.6					

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	25	SCS	P	13 07 59.7				
		PNS	P	13 08 03.7		0.4	2.3	
			IS	08 31.0				
		LPB	EP	13 08 05				
			S	08 32.5				2.3
APR	25	PNS	EP	14 11 45				
APR	25	LPB	EP	16 06 29				
APR	25	PNS	P	16 37 12.9		0.4	1.8	
APR	25	PNS	EP	20 10 48.2				
			S	11 13.7				2.1
		LPB	EP	20 11 13				
APR	25	PNS	P	22 22 17.3		0.4	2.8	2.0
			S	22 41				
APR	25	USCGS	23 22 52.6, 41.2N, 69.3E, H = 33 Km, M = 5.0					
		KIRGIZ SSR						
		PNS	EPKP	23 42 15		1.4	15.0	
		LPB	EPKP	23 42 15.5				
			EL	00 27 00				136.0
APR	26	PNS	EP	00 21 50.2				
			S	22 16				
		LPB	P	00 21 55.5		1.1	27.6	2.0
			ES	22 20				
		SCS	P	00 22 00.0				
APR	26	PNS	EP	00 46 58.4		0.4	2.1	
			IS	47 21.0				
		LPB	EP	00 47 00				
			S	47 23.5				1.9
		SCS	EP	00 47 00.8				
APR	26	PNS	P	01 37 29		0.3	4.2	
APR	26	LPB	EP	02 17 42		0.8	1.4	
			EL	37 00				
		PNS	EP	02 17 45.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	26	USCGS	02 39 23.0, 52.9N, 168.1W, H = 55 Km, M = 4.2					
		FOX IS ALEUTIAN IS						
		LPB	EL	03 31 00				109.0
APR	26	TRJ	P	03 28 26.4	C			3.8
			S	29 10.4	C			
APR	26	TRJ	IP	03 43 27.5	D			
		LPB	EP	03 44 19		0.7	5.2	6.7
			ES	45 35				
		PNS	P	03 44 24				
			S	45 42.4				
APR	26	PNS	P	06 01 24.5				1.9
			S	01 47.6				
		TRJ	P	06 01 53.5	D			
			S	02 22.8	C			
APR	26	LPB	EP	06 22 22				
APR	26	PNS	EP	06 32 02.6				
APR	26	PNS	IP	07 21 04.7	D	0.3	4.5	2.1
			S	21 30.6				
		LPB	EP	07 21 21				
APR	26	PNS	P	10 43 52.4		0.3	4.5	
APR	26	USCGS	10 45 33.0, 24.8N, 96.5E, H = 33 Km, M=4.8					
		BURMA						
		LPB	EPKP	11 05 35				164.0
APR	26	SCS	EP	13 27 52.7				
		PNS	IP	13 28 04.4	C			
			IS	28 27.0				
		LPB	EP	13 28 07				2.0
			S	28 31				
		CCH	EP	13 28 08.3	C			
APR	26	PNS	IP	13 37 23.8	D			
			IS	37 48.6				
		LPB	IP	13 37 34.5	D	0.8	56.0	1.7
			S	37 57				
APR	26	PNS	IP	14 00 22.3	D	0.3	3.2	1.9
			S	00 46				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	26	USCGS		14 00 05.0, 22.9S, 71.0W, H = 31 Km, M = 4.5				
				NR CST OF N CHILE				
		TRJ	IP	14 01 33.6	C			
		LPB	P	14 01 47.5				6.6
			EPG	02 17				
			ES	03 04				
		PNS	P	14 01 48.3		0.4	6.2	
			S	03 05.4				
		SCS	P	14 01 49.5				
APR	26	TRJ	IP	16 53 31.2	D			
APR	26	TRJ	IP	17 06 04.0	D			
			IS	06 38.1	C			2.9
APR	26	LPB	EP	18 55 19				
		PNS	EP	18 55 23.5		0.8	6.2	
			(S)	56 05.5				
		SCS	EP	18 55 34.5				
APR	26	PNS	IP	19 33 18.3				
			S	33 40				1.7
APR	26	USCGS		21 07 32.0, 22.8S, 70.3W, H = 54 KM, M = 5.0				
				NR N CHILE				
		TRJ	IP	21 08 53.0	C			
		SCS	P	21 09 06.5				
		LPB	P	21 09 10		0.9	30.5	6.7
			S	10 32				
		PNS	P	21 09 11.0				
			S	10 33.4				
APR	26	PNS	EP	23 02 02				
			S	02 24				1.8
APR	26	LPB	EP	23 35 33				
		PNS	P	23 35 38		0.9	6.2	
APR	27	TRJ	P	04 19 20.7	C			
		LPB	P	04 19 35.5	C	0.8	16.8	
		PNS	P	04 19 36		0.9	8.4	
APR	26	TRJ	P	05 21 06.0	C			
			IS	21 36.2				2.5

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	27	TRJ	IP	05 51 54.4	D			
		LPB	EP	05 52 31				
		PNS	EP	05 52 35.5		0.4	2.6	5.6
			S	53 40.2				
APR	27	LPB	E(P)	06 34 48				
			EL	50 00				
		PNS	EP	06 34 48				
APR	27	PNS	P	07 14 34.5		0.6	3.1	
			E	15 08.6				
		LPB	EP	07 14 38				
APR	27	LPB	EP	07 26 57				
APR	27	PNS	IP	07 32 38.8		0.3	3.2	
			S	32 51				
APR	27	PNS	EP	08 47 26.5				
APR	27	PNS	P	08 54 50.4				
		LPB	P	08 54 51		0.7	11.7	
APR	27	PNS	IP	11 11 20.6	C			
			IS	11 48.0				
		CCH	EP	11 11 21.1				
		LPB	EP	11 11 25				2.6
			S	11 56.5				
APR	27	CCH	P	11 17 35.9	C			
APR	27	USCGS		10 58 30.0, 0.1N, 98.7E, H = 33 Km, M = 4.9				
				N SUMATRA				
		LPB	EPKP	11 18 30				158.9
			EL	12 14 00				
		PNS	EPKP	11 18 30.6				
		CCH	EPKP	11 18 50.7				
APR	27	PNS	IP	13 29 18.3		0.3	50.2	2.0
			S	29 43				
APR	27	USCGS		13 53 57.1, 16.9S, 70.7W, H = 62 Km, M = 4.5				
				S PERU				
		PNS	IP	13 54 34.5	C	0.7	45.2	
			S	55 08.4				
		LPB	IP	13 54 37.4	C			2.2
			IS	55 15				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		CCH	EP	13 55 01.5				
		TRJ	IP	13 55 35.6	D			
APR	27	USCGS N CHILE	15 09 24.0, 18.5S, 69.5W, H = 175 Km, M = 4.0					
		LPB	IP	15 10 04.5	C	0.7	232.2	2.7
			ES	10 22				
		PNS	IP	15 10 06.6	C	0.5	60.2	
			S	10 23.6				
		TRJ	IP	15 10 20.5	D			
APR	27	PNS	P	16 36 47.5		0.9	14.2	
APR	27	PNS	EP	17 37 19				
APR	27	USCGS TURKEY	19 48 49.8, 38.2N, 42.7E, H = 25 Km, M = 4.9					
		LPB	EPKP	20 07 32				116.1
			EL	44 00				
		PNS	EPKP	20 07 33				
APR	27	PNS	P	22 01 08.2		1.0	12.2	
APR	27	PNS	EP	22 15 00				
APR	27	PNS	P	22 51 43.6		1.0	6.2	
APR	27	PNS	EP	22 55 30		1.0	5.4	
APR	27	LPB	P	23 15 21.5		1.0	16.0	
		PNS	P	23 15 27.6		0.7	12.3	
			E	15 44				
APR	28	USCGS AUCKLAND IS REG	01 15 34.0, 49.1S, 164.1E, H = 3 Km, M = 5.8					
		PNS	EP	01 29 17.2		1.2	12.8	
		LPB	EP	01 29 21				99.6
			EL	02 03				
APR	28	PNS	IP	01 43 44.4	D	0.4	10.0	
APR	28	PNS	EP	02 23 02				
		LPB	EP	02 23 50				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	28	LPB	EP	06 24 35				
APR	28	CCH	EP	06 30 16.4				
APR	28	TRJ	P	06 39 01.2	C			
APR	28	TRJ	IP	07 04 54.5	D			2.9
			IS	05 29.3	C			
		CCH	IP	07 05 14.8	C			
APR	28	CCH	EP	07 09 39.6				
		TRJ	EP	07 09 42.0	C			2.5
			S	10 12.2	D			
APR	28	USCGS FOX IS ALEUTIAN IS	06 41 17.0, 53.8N, 165.9W, H = 33 Km, M = 5.0					
		LPB	EL	07 32 00				107.2
APR	28	PNS	P	07 39 06.4		0.4	2.8	
		LPB	P	07 39 07.5				
		CCH	EP	07 39 34.4				
APR	28	TRJ	P	08 51 28.9				3.4
			S	52 08.7	D			
APR	28	USCGS SUNDA STRAIT	09 01 40.0, 6.1S, 104.2E, H = 33 Km, M = 5.0					
		PNS	EPKP	09 21 32				
APR	28	USCGS NR CST OF OAXACA, MEXICO	10 39 07.0, 15.2N, 94.9W, H = 33 Km, M = 5.1					
		CCH	EP	10 46 17.4				
		LPB	EP	10 46 46				40.9
			E	47 06				
			EL	10 59 00				
		PNS	EP	10 46 47.6				
APR	28	PNS	EP	11 18 57				
		LPB	EP	11 19 18				
APR	28	TRJ	IP	14 15 32.0	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	28	PNS	EP	16 35 24				
			S	35 49				
		LPB	P	16 35 25.7				2.1
			S	35 51				
		CCH	EP	16 35 47.1				
APR	28	PNS	EP	16 38 42				
APR	28	USCGS	17 13 31.6, 19.3S, 173.5W, H = 33 Km, M = 5.2					
		TONGA IS						
		LPB	EPKP	17 32 14				115.7
		CCH	EPKP	17 32 14.1				
APR	28	USCGS	18 08 58.3, 4.3N, 62.7E, H = 33 Km, M = 5.0					
		CARLSBERG RIDGE						
		LPB	PKP	18 28 09.5		1.2	27.0	130.2
			EL	19 10 00				
		PNS	EPKP	18 28 10		1.2	24.1	
		CCH	EPKP	18 28 13.2				
APR	28	USCGS	16 56 20.0, 19.1E, 173.6W, H = 27 Km, M = 5.2					
		TONGA IS						
		LPB	EP	19 09 56				99.0
			SKS	20 39				
			S	21 39				
			SS	28 43				
			L	42 00				
APR	28	CCH	EP	19 20 09.8				
		PNS	P	19 20 44.3		0.6	7.0	
APR	28	PNS	EP	21 14 11				
			S	15 17				
		LPB	EP	21 14 15				6.3
			S	15 27.5				
APR	28	PNS	EP	21 40 09.9				2.4
			S	40 39				
APR	28	PNS	E(P)	21 56 19				
		LPB	EP	21 56 20				
APR	28	USCGS	22 30 05.0, 44.0N, 127.8W, H = 18 Km, M = 5.0					
		OFF CST OF OREGON						
		PNS	EP	22 42 23.6		0.9	20.4	
		LPB	P	22 42 26.5		0.9	25.0	81.1
			EL	23 00.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	29	USCGS	00 07 53.0, 44.0N, 127.7W, H = 33 Km, M = 4.9					
		OFF CST OF OREGON						
		LPB	EP	00 20 05				72.5
APR	29	USCGS	01 46 43.0, 53.8N, 157.8W, H = 33 Km, M = 5.2					
		S OF ALASKA						
		LPB	EL	01 36 00				103.1
APR	29	USCGS	02 25 03.3, 37.0N, 140.1E, H = 82 Km, M = 4.9					
		NR E CST OF HONSHU, JAPAN						
		LPB	EPKP	02 44 38		1.2	7.8	148.1
			PKP2	44 41.2				
		PNS	EPKP	02 44 38		1.0	18.3	
APR	29	USCGS	03 32 20.2, 35.3S, 70.7W, H = 93 Km, M = 4.6					
		CHILE-ARGENTINA BOR REG						
		TRJ	P	03 35 54.9				
		LPB	EP	03 36 37		1.0	12.0	19.1
		PNS	P	03 36 38.3		0.8	13.2	
APR	29	PNS	P	04 03 19.0		0.4	9.5	2.5
			S	03 49				
APR	29	LPB	EP	04 30 31		1.3	19.6	
APR	29	USCGS	06 45 21.0, 6.9N, 75.0W, H = 157 Km, M = 4.3					
		N COLOMBIA						
		PNS	EP	06 50 16.4		0.9	12.4	
			IPP	50 50.7				
		LPB	EP	06 50 20				23.8
APR	29	LPB	EP	08 12 47.5				
		PNS	EP	08 12 52				
APR	29	TRJ	IP	08 25 54.9	C			3.4
			S	26 34.4				
APR	29	CCH	EP	08 55 12.5				
		LPB	E(PK)P	08 55 55				
			EL	09 47 00				
APR	29	CCH	EP	12 09 18.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	29	PNS	P	12 27 21.6		0.5	12.5	2.9
			S	27 55.6				
APR	29	PNS	EP	13 34 32.7		0.8	13.8	
APR	29	PNS	P	15 31 27.1		0.3	4.9	
		LPB	EP	15 31 28.5				
APR	29	USCGS	23 03 40.0, 52.2N, 160.5E, H = 33 Km, M = 4.5					
		COAST OF KAMCHATKA						
		CCH	EPKP	23 22 25.7				
		LPB	EPKP	23 22 48				128.3
			EL	00 03 00				
APR	30	PNS	P	00 57 25.4		0.4	10.3	
			(S)	58 04.6				
		LPB	P	00 57 32.5		0.8	11.2	
		SCS	P	00 57 39.2				
APR	30	CCH	EP	00 58 47.3				
APR	30	USCGS	01 27 54.0, 6.2N, 72.9W, H = 153 Km, M = 3.7					
		COLOMBIA						
		PNS	P	01 32 51.4		0.5	2.8	
		LPB	EP	01 32 54				22.9
		CCH	EP	01 33 30.3				
APR	30	CCH	EP	02 21 51.4				
APR	30	PNS	EP	03 13 38.0		1.0	24.2	
		LPB	P	03 13 46.5		1.0	39.0	
			EL	21 00				
APR	30	TRJ	P	04 07 44.5	D			2.5
			IS	08 14.7	C			
APR	30	TRJ	IP	04 23 48.2	C			
APR	30	TRJ	IP	07 34 22.7	C			
			IS	35 04.9				
		LPB	EP	07 34 45'				
		PNS	IP	07 34 46.1	D	0.5	4.3	1.8
			S	35 09				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	30	TRJ	IP	07 59 29.2	C			
		PNS	P	08 00 00				
			I	00 28.5				
			I(S)	00 55				
		LPB	EP	08 00 02				
			I	00 27.5				
		SCS	EP	08 01 10.9				
APR	30	USCGS	08 09 31.0, 44.9S, 81.0W, H = 33 Km, M = 5.5					
		OFF COAST S CHILE						
		TRJ	EP	08 15 17.1	C			
		LPB	EP	08 15 42				32.0
			EL	24 00				
		PNS	IP	08 15 42.4	C	1.6	68.2	
			IPP	16 10.5				
APR	30	LPB	EP	09 44 17				
		PNS	EP	09 44 19				
			E	44 42.6				
APR	30	PNS	E(P)	10 26 11				
		LPB	EP	10 26 21				
APR	30	LPB	EP	11 25 59				
		PNS	EP	11 25 59.5				
APR	30	USCGS	13 01 19.0, 18.8N, 106.7W, H = 54 Km, M = 5.2					
		OFF CST OF JALISCO, MEXICO						
		PNS	P	13 10 20.6		1.1	20.1	
			ES	17 48				
		LPB	EP	13 10 22		1.0	17.0	51.2
			S	17 46				
			EL	26 00				
		TRJ	EP	13 11 05.3	C			
APR	30	TRJ	P	13 41 33.2	C			2.6
			S	42 03.9				
APR	30	USCGS	13 41 09.1, 41.0N, 72.1E, H = 19 Km, M = 5.1					
		KIRGIZ SSR						
		PNS	EPKP	14 00 36.8				
APR	30	PNS	IP	14 01 35	C	0.4	15.8	
			S	01 58.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	30	PNS	P	17 36 56.4		0.4	4.2	4.8
			IS	37 52.4				
APR	30	PNS	EP	19 47 46				
			E	48 03.8				
		LPB	EP	19 48 00				
APR	30	PNS	IP	21 47 49.1	D	0.5	12.2	

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MAY 1966

MAY	1	LPB	P	01 03 20.5		0.9	11.9	
		PNS	P	01 03 20.8		1.0	102.3	
			E	03 29				
MAY	1	USCGS	01 09 57.1, 10.2S, 161.2E, H = 71 Km, M = 5.2					
		SOLOMON IS						
		PNS	EPKP	01 28 54.2				
		LPB	EPKP	01 28 55				125.1
MAY	1	PNS	P	01 38 48.7				
			S	39 41				
MAY	1	CCH	EP	02 15 42.2				
MAY	1	TRJ	EP	03 16 12.8				
			IS	16 46.4	C			
MAY	1	PNS	EP	05 42 01				
MAY	1	USCGS	06 18 56, 22.7S, 68.8W, H = 111 Km, M = 4.1					
		N CHILE						
		TRJ	IP	06 19 57.7	C			
		CCH	EP	06 20 24.1				
		LPB	EP	06 20 27.5		0.8	8.4	6.1
			S	21 29.5				
		PNS	EP	06 20 28.5		0.9		
			S	21 29.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	
MAY	1	PNS	EP	07 44 38.6				
			ES	45 31				
		LPB	EP	07 44 42				
			S	45 33				
MAY	1	USCGS	08 04 26, 6.9S, 77.0W, H = 48 Km, M = 4.5					
		N PERU						
		PNS	EP	08 07 12				
			I	09 13.4				
		LPB	EP	08 07 19.5				12.7
			PP	07 32				
			ES	09 32				
		CCH	EP	08 07 44.3				
MAY	1	TRJ	P	08 14 26.1	D			
		CCH	EP	08 14 45.7				
MAY	1	TRJ	IP	08 48 28.7	D			
			S	48 57.1				
		CCH	EP	08 48 32.0				
MAY	1	CCH	EP	09 31 52.3				
		PNS	EP	09 32 00.0				
MAY	1	USCGS	10 11 21, 19.1N, 146.9E, H = 33 Km, M = 4.7					
		MARIANA IS REG						
		LPB	EPKP	10 31 02				146.8
			EL	11 21 00				
		PNS	PKP	10 31 03		1.3	107.3	
			E	31 18.7				
MAY	1	USCGS	10 50 52.8, 4.5S, 153.5E, H = 102 Km, M = 4.8					
		NEW IRELAND REGION						
		LPB	EPKP	11 09 57				133.2
			EL	54 00				
		CCH	P	11 10 31.0				
MAY	1	CCH	EP	11 44 34.9				
		LPB	EP	11 44 52				
		PNS	EP	11 44 52.2		0.8		
MAY	1	USCGS	12 06 56, 2.2N, 128.6E, H = 73 Km, M = 5.1					
		HALMAHERA						
		LPB	EPKP	12 26 47		1.0	8.0	158.7
			EL	13 20 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DI
MAY	1	PNS	EP	12 58 07.4				
			E	58 16.4				
		LPB	EP	12 58 14				
		CCH	EP	12 58 23.5				
MAY	1	PNS	IP	13 04 13.1	D	0.3	52.7	
			S	04 37.4				
MAY	1	PNS	EP	13 16 45		0.7		
		LPB	EP	13 16 51				
MAY	1	USCGS	13 14 47, 3.5S, 143.0E, H = 33 Km, M = 4.6					
		NR N C OF NEW GUINEA						
		PNS	EPKP	13 34 21.5				
		LPB	EPKP	13 34 23				143
			EL	14 22 00				
MAY	1	LPB	EP	13 50 53				
		PNS	EP	13 50 54		1.0		
MAY	1	TRJ	P	13 56 24.1	D			
			S	56 54.2	D			
MAY	1	TRJ	IP	15 32 33.0	C			
MAY	1	LPB	P	16 12 53		0.9	18.6	
		CCH	EP	16 12 58.6				
MAY	1	USCGS	16 22 56.3, 8.5S, 74.3W, H = 165 Km, M = 5.7					
		PERU-BRAZIL BOR REG						
		PNS	IP	16 25 11.2	C	1.2	785.0	
			S	27 05.7				
		LPB	IP	16 25 16.5	C			9
			S	27 11				
		CCH	IP	16 25 41.7	C			
		TRJ	IP	16 26 34.0	C			
MAY	1	USCGS	18 30 41.8, 30.6N, 140.6E, H = 114 Km, M = 5.					
		S OF HONSHU, JAPAN						
		LPB	PKP	18 50 19		1.0	8.0	150
			I	50 24				
			PKP2	50 34.5				
			EL	19 41 00				
		PNS	PKP	18 50 21.7		0.8		

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	1	PNS	EP	20 52 21.5		1.0		
		LPB	EP	20 52 22				
			EL	21 00 00				
MAY	1	USCGS	22 23 21.5, 23.8N, 45.8W, H = 33 Km, M = 4.9					
		N ATLANTIC RIDGE						
		PNS	P	22 31 43.2		1.2		
		LPB	P	22 31 44.2		1.6	55.0	45.9
			ES	38 35				
			ESS	42 17				
			EL	46 00				
MAY	1	USCGS	22 28 46, 9.5N, 83.9W, H = 76 Km, M = 5.4					
		COSTA RICA						
		PNS	P	22 34 43.5		0.9		
		LPB	EP	22 34 44				30.0
			EL	43 00				
		CCH	EP	22 35 01.1				
MAY	1	PNS	P	23 35 47.3		0.5	14.6	
MAY	1	USCGS	23 24 15.9, 4.3S, 144.3E, H = 139 Km, M = 3.8					
		CST OF NEW GUINEA						
		LPB	PKP	23 43 25				140.8
			L	00 31 00				
		PNS	P	23 43 29.1		0.5	21.9	
MAY	2	USCGS	01 27 12, 16.7N, 62.7W, H = 114 Km, M = 3.8					
		LEEWARD IS						
		LPB	EP	01 33 40				33.7
			EL	44 00				
MAY	2	TRJ	P	04 06 20.3	D			
			S	07 01.9	D			
		CCH	EP	04 06 51.4				
MAY	2	TRJ	P	06 21 42.6				
MAY	2	CCH	IP	06 53 09.0	C			
		PNS	EP	06 53 50.8				
			S	54 26.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	2	CCH	EP	07 06 35.2				
		TRJ	IP	07 06 53.9	D			
		LPB	P	07 07 43.5	C	0.7	9.1	
			(S)	08 03.5				
		PNS	IP	07 07 47.0	C	0.3	23.3	
MAY	2	PNS	EP	07 14 35.8				
			S	15 13				
MAY	2	TRJ	IP	07 52 08.5	D			
			S	52 42.3	C			
MAY	2	LPB	P	09 16 02.5	D	1.1	51.0	
			(S)	16 42				
		PNS	P	09 16 04.0	D	0.4	24.4	
			(S)	16 44				
MAY	2	LPB	EP	09 29 23				
MAY	2	LPB	EP	10 10 14				
		PNS	P	10 10 14.4				
			E	10 30				
			S	10 57				
MAY	2	USCGS	09 52 48.5, 6. S, 149.7E, H = 52 Km, M = 5.2					
		NEW BRITAIN REGION						
		PNS	PKP	10 12 08.3		1.0		
			IPKS	15 38				
		LPB	PKP	10 12 08.5		0.9		136.8
			PKS	15 38				
			ESS	32 55				
			EL	57 00				
		TRJ	PKP	10 12 09.6	D			
		CCH	EPKP	10 12 26.8				
MAY	2	USCGS	10 55 48.0, 8.2S, 74.1W, H = 148 Km, M = 5.1					
		PERU-BRAZIL BOR REG						
		PNS	P	10 58 04.9		1.0	79.6	
			S	59 59.6				
			SS	11 00 08				
		LPB	P	10 58 10		1.3	98.0	9.9
			PP	58 20				
			I	58 29.5				
			ES	11 00 02.5				
MAY	2	LPB	IP	11 07 15.5		0.5	13.6	102.7
		PNS	IP	11 07 16.2	C			
			S	07 41.4				
		CCH	IP	11 07 30.4	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	2	USCGS	10 53 28, 18. S, 178.3W, H = 537 Km, M = 4.9					
		FIJI IS REG						
		LPB	EL	11 42 00				102.7
MAY	2	USCGS	11 23 59, 6.2S, 150.0E, H = 65 Km, M = 4.5					
		NEW BRITAIN REGION						
		PNS	EPKP	11 43 18				
		LPB	EPKP	11 43 19				136.0
			EL	12 28 00				
MAY	2	USCGS	13 55 03.6, 38.1N, 42.7E, H = 54 Km, M = 4.7					
		E TURKEY						
		LPB	EPKP	14 13 46				116.2
			EL	50 00				
MAY	2	PNS	P	15 33 22.8		0.6		
			(S)	33 14.6				
MAY	2	PNS	EP	16 04 46.2				
			S	05 10				
MAY	2	PNS	P	16 43 19.0		0.4	18.3	
			(S)	43 56				
		LPB	EP	16 43 24				
			ES	44 04				
MAY	2	USCGS	16 39 44, 8.6S, 114.9E, H = 103 Km, M = 5.8					
		BALI IS REG						
		LPB	PKP	16 59 29		1.0	11.0	155.2
			E	59 38.8				
			EL	17 56 00				
		PNS	PKP	16 59 30.3		1.1	101.7	
			I	59 40.4				
MAY	2	TRJ	IP	16 59 23.9	C			
			IS	17 00 04.4	C			
MAY	2	PNS	IP	20 58 08.4	D	0.3	666.0	
			IS	58 30.6				
		LPB	EP	20 58 10				
MAY	2	USCGS	20 40 38, 37.8N, 42.4E, H = 15 Km, M = 4.5					
		TURKEY						
		LPB	EPKP	20 59 20				115.8
			EL	21 35 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	2	USCGS	21 28 52, 16.8S, 69.6W, H = 178 Km, M = 4.0					
			PERU-BOLIVIA BOR REG					
		PNS	IP	21 29 22.4	D	0.3	665.0	
			S	29 48				
		LPB	IP	21 29 24.5	D	0.5	247.0	1.4
			S	29 50				
		CCH	P	21 29 45.1				
MAY	2	USCGS	21 34 01, 16.5S, 68.9W, H = 138 Km, M = 4.2					
			PERU-BOLIVIA BOR REG					
		PNS	IP	21 34 22.3	D	0.4	610.5	
			S	34 55				
		LPB	IP	21 34 38.4	D			1.5
			ES	35 03				
		CCH	P	21 34 59.0	D			
		TRJ	IP	21 35 40.7	C			
MAY	2	TRJ	P	22 51 38.5	C			
			IS	52 13.3	C			
MAY	2	LPB	P	23 09 32.5		1.1	39.0	
		PNS	E(P)	23 09 34				
MAY	2	USCGS	23 12 23, 38. N, 42.6E, H = 41 Km, M = 4.8					
			TURKEY					
		LPB	EPKP	23 30 54				
			EL	00 07 00				115.9
MAY	3	USCGS	01 15 58, 10.5S, 161.6E, H = 72 Km, M = 5.3					
			SOLOMON IS					
		LPB	EPKP	01 34 41				
			EL	02 13 00				123.9
MAY	3	TRJ	IP	01 42 54.0	D			
			IS	43 23.0	C			
MAY	3	TRJ	IP	02 25 13.6	D			
MAY	3	USCGS	02 52 09, 51.5N, 178.6W, H = 30 Km, M = 5.1					
			ANDREANOF IS ALEUTIAN IS					
		LPB	EPKP	03 11 50				
			EL	47 00				115.5

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	3	USCGS	05 28 12, 31.5N, 113.7W, H = 33 Km, M = 4.0					
			GULF OF CALIFORNIA					
		LPB	EP	05 38 36				64.8
			EL	59 00				
MAY	3	TRJ	IP	05 48 39.8	D			
MAY	3	USCGS	08 16 55, 31.3N, 114.1W, H = 33 Km, M = 3.8					
			GUL OF CALIFORNIA					
		LPB	EP	08 27 26				65.2
			EL	48 00				
MAY	3	LPB	EP	10 10 42				
MAY	3	TRJ	IP	10 44 36.5	D			
			IS	45 06.3	C			
MAY	3	USCGS	12 06 54, 51.6N, 176.8W, H = 20 Km, M = 4.9					
			ANDREANOF IS ALEUTIAN IS					
		LPB	EL	13 01 00				114.3
MAY	3	TRJ	EP	15 52 01.1	C			
			S	52 32.8	D			
MAY	3	PNS	EP	16 20 08				
MAY	3	PNS	EP	16 32 16		0.5	36.6	
			(S)	32 52.7				
		LPB	EP	16 32 25				
MAY	3	LPB	EP	17 00 41				
MAY	3	USCGS	18 43 32.9, 10.9N, 141.8E, H = 30 Km, M = 5.6					
			W CAROLINE IS					
		PNS	PKP	19 03 24.5		1.0	118.5	
		LPB	IPKP	19 03 25.5		0.9	27.2	150.1
			PPKP	03 35				
			EL	54 00				
MAY	3	LPB	EP	22 05 14		0.9	27.2	
		PNS	IP	22 05 19.0	D	0.5	40.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	4	USCGS	01 48 56, 36.7N, 137.6E, H = 103 Km, M = 4.2					
		HONSHU, JAPAN						
		LPB	EPKP	02 08 36				150.0
			EL	03 58 00				
		PNS	EPKP	02 08 37				
MAY	4	LPB	EP	04 30 20.5		0.8	5.6	
MAY	4	TRJ	P	06 00 55.5	D			
			S	01 28.3	D			
MAY	4	CCH	EP	06 19 40.3				
MAY	4	LPB	EP	06 20 24				
MAY	4	USCGS	06 36 59.8, 39.1N, 21.8E, H = 41 Km, M = 5.0					
		GREECE						
		LPB	EP	06 50 40				100.4
			EL	07 24 00				
		CCH	EP	06 50 40.3				
MAY	4	TRJ	IP	08 04 37.9	C			
			IS	05 19.5	C			
MAY	4	CCH	EP	08 49 05				
		LPB	EP	08 49 18.5				
		PNS	EP	08 49 29.4				
			S	49 59.0				
MAY	4	LPB	P	10 59 08		1.0	18.0	
		PNS	IP	10 59 11.6	C	0.7	67.5	
			S	11 00 04				
MAY	4	TRJ	IP	12 07 35.6	D			
			IS	08 09.2	C			
MAY	4	LPB	EP	13 25 51				
MAY	4	USCGS	13 10 59, 50.8N, 175.2W, H = 15 Km, M = 4.1					
		ANDREANOF IS ALEUTIAN IS						
		LPB	EPKP	13 29 20				113.6
			EL	14 05 00				
MAY	4	PNS	EP	16 44 46		0.5		

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	4	USCGS	17 04 05, 4. S, 122.8E, H = 201 Km, M = 5.1					
		N CELEBES						
		LPB	EL	18 18 00				
MAY	4	USCGS	18 13 54.3, 12.5N, 87.6W, H = 60 Km, M = 5.2					
		CST OF NICARAGUA						
		LPB	EP	18 20 23				34.9
			ES	26 33				
			EL	31 00				
		TRJ	IP	18 21 31.9	D			
MAY	4	LPB	P	19 32 08		0.8	62.0	
			IS	33 18				
MAY	4	USCGS	21 48 58, 37.7N, 27.9E, H = 14 Km, M = 4.7					
		TURKEY						
		LPB	EP	22 03 07				104.5
			EL	39 00				
MAY	4	TRJ	IP	23 49 10.2	C			
		PNS	P	23 49 38				
			E	49 53.6				
		LPB	EP	23 49 39				
MAY	5	USCGS	00 22 27, 53.4N, 168.7W, H = 25 Km, M = 4.7					
		FOX IS ALEUTIAN IS						
		LPB	EL	01 14 00				109.6
MAY	5	CCH	P	02 14 48.7	D			
		LPB	EP	02 15 24				
			S	15 56.5				
		PNS	P	02 15 31				
			S	16 07.3				
MAY	5	USCGS	02 14 03.6, 1. S, 127.7E, H = 146 Km, M = 5.6					
		N CELEBES						
		LPB	EPKP	02 33 48.7				158.5
			PKP2	34 29.5				
			EL	03 29 00				
		PNS	EPKP	02 33 48.8				
			I	33 30.4				
			E	35 05.4				
		TRJ	EPKP	02 33 50.9	D			
			PKP2	34 21.6	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	5	USCGS	05 42 49, 10.1S, 161.1E, H = 33 Km, M = 4.8					
		SOLOMON IS						
		LPB	EPKP	06 01 49		1.0	4.0	124.3
			EL	42 00				
MAY	5	LPB	EP	06 16 24				
		PNS	P	06 16 25				
			E	16 38				
			S	17 32				
MAY	5	LPB	EP	06 55 11				
		PNS	P	06 55 11.6		1.0		
MAY	5	USCGS	06 39 12, 51.6N, 176.8E, H = 75 Km, M = 4.9					
		RAT IS ALEUTIAN IS						
		LPB	EPKP	06 57 57				118.7
			EL	07 35 00				
		PNS	EPKP	06 58 00				
			E	58 30.8				
MAY	5	CCH	EP	12 11 53.9				
		LPB	EP	12 12 16				
MAY	5	USCGS	14 21 22.7, 24.4N, 122.6E, H = 60 Km, M = 5.7					
		TAIWAN REGION						
		LPB	PKP	14 41 24.5		1.3	56.0	159.4
			I	41 28.5				
			PPKP	41 35.5				
			PKP2	41 39.5				
			PKS	44 35				
			ESS	15 05 45				
			EL	36.8				
		PNS	IPKP	14 41 24.6		1.5		
			IPKP2	41 39.5				
			IPKS	44 55				
			PP	45 46				
		TRJ	IPKP	14 41 32.9	D			
MAY	5	USCGS	15 16 31.9, 61.4N, 27.5W, H = 33 Km, M = 5.0					
		ICELAND REGION						
		LPB	EP	15 29 00				84.0
MAY	5	USCGS	15 52 41.1, 61.5N, 27.5W, H = 33 Km, M = 5.0					
		ICELAND REGION						
		PNS	P	16 04 54.6		1.0		
		LPB	P	16 05 05				
			EL	32 00				83.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	5	TRJ	IP	20 25 18.4	D			
		LPB	P	20 26 09.8	D	0.7	14.3	
			S	27 34.5				
MAY	5	USCGS	20 39 38.6, 24.2N, 122.6E, H = 33 Km, M = 5.3					
		TAIWAN REGION						
		LPB	EPKP	20 59 45.6		0.9	15.3	167.3
			EL	21 58 00				
MAY	5	LPB	EP	21 23 48				
MAY	5	TRJ	P	21 34 06.8	D			
MAY	5	TRJ	IP	23 04 42.0	C			
		LPB	P	23 05 20.2		0.9	10.0	
		PNS	P	23 05 24.0		1.0		
MAY	6	TRJ	EP	02 24 52.6	C			
			IS	25 21.5	C			
MAY	6	USCGS	02 09 03, 36.5N, 138.2E, H = 33 Km, M = 4.0					
		HONSHU, JAPAN						
		LPB	EPKP	02 28 47				149.5
			EL	03 19 00				
MAY	6	USCGS	02 36 56.8, 15.7S, 34.4E, H = 33 Km, M = 4.0					
		MALAWI						
		TRJ	EP	02 50 15.9	C			
		LPB	EP	02 50 23		1.0	6.0	97.3
			EL	03 23 00				
		PNS	EP	02 50 25				
MAY	6	USCGS	03 52 51, 23.8N, 123.0E, H = 33 Km, M = 4.8					
		TAIWAN REGION						
		PNS	EPKP	04 12 56				
		LPB	EPKP	04 12 58				167.5
			EL	05 12 00				
MAY	6	LPB	EP	04 21 38				
MAY	6	PNS	P	04 46 39.4		0.4		
			S	47 01.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIS
MAY	6	LPB	P	07 18 51		0.9	13.6	
			E(S)	20 14				
		TRJ	EP	07 19 53.5				
MAY	6	PNS	P	07 37 18.8	C	0.5		
MAY	6	TRJ	IP	08 36 23.4	D			
MAY	6	USCGS	08 57 32.5, 32.2S, 69.4W, H = 122 Km, M = 4.3					
		MENDOZA PROVINCE, ARGENTINA						
		TRJ	IP	09 00 24.5	C			
		LPB	EP	09 01 06		1.0	14.0	14.
		PNS	EP	09 01 09.3		0.9		
MAY	6	PNS	P	09 51 58		0.9		
		TRJ	P	09 52 58.3	D			
MAY	6	TRJ	IP	10 16 54.6	D			
			S	17 30.3				
MAY	6	USCGS	10 08 31, 36.9N, 137.7E, H = 148 Km, M = 4.3					
		HONSHU, JAPAN						
		PNS	PKP	10 28 06.4		1,4		
		LPB	PKP	10 28 07		1.0	10.0	154.1
MAY	6	LPB	EP	14 15 32		0.7	11.7	
MAY	6	PNS	P	15 11 13.4		1.0		
		LPB	P	15 11 15.0		0.9	42.5	
			S	12 05				
		TRJ	P	15 11 51.3	C			
MAY	6	USCGS	16 08 09.7, 18.1N, 145.3E, H = 328 Km, M = 5.2					
		MARIANA IS						
		LPB	PKP	16 27 16.5		1.1	16.0	139.3
			I	27 20.2				
			EL	17 18 00				
		PNS	PKP	16 27 17				
			I	27 20.2				
MAY	6	USCGS	19 53 47, 19.4S, 173.7W, H = 112 Km, M = 4.9					
		TONGA IS						
		LPB	EP	20 07 12				98.3
			EL	40 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIS
MAY	6	PNS	EP	20 12 55.4				
MAY	6	LPB	EP	20 23 48				
		PNS	P	20 23 50		0.9		
			E	24 43				
MAY	6	PNS	EP	22 05 19.8				
			S	05 44.4				
MAY	7	LPB	EP	02 01 16				
		PNS	EP	02 01 18				
MAY	7	USCGS	02 19 34, 15.2S, 68.8W, H = 219 Km, M = 3.6					
		BOLIVIA						
		PNS	IP	02 20 07.7	C			
			IS	20 33				
		LPB	IP	02 20 10.2	D	0.9	39.0	1.3
			ES	20 35				
MAY	7	USCGS	03 26 51, 31.6N, 116.1W, H = 33 Km, M = 5.1					
		BAJA CALIFORNIA						
		LPB	EP	03 37 40				63.3
			EL	58 00				
MAY	7	USCGS	03 26 46, 53.6N, 167.5W, H = 45 Km, M = 4.9					
		FOX IS ALEUTIAN IS						
		LPB	EP	03 41 09				109.0
			EL	04 18 00				
MAY	7	TRJ	P	04 06 54.6	C			
			S	07 25.8	C			
MAY	7	USCGS	03 57 58, 49.7N, 77.9E, H = , M=4.9					
		KAZAKH SSR						
		LPB	EPKP	04 17 22				136.6
			EL	05 00 00				
MAY	7	TRJ	P	05 50 56.5	C			
		LPB	P	05 51 18				
		PNS	P	05 51 20.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	7	LPB	EP	06 48 07				
		PNS	P	06 48 07.6		1.3		
			I	48 13.2				
MAY	7	USCGS	06 48 41, 5.2S, 76.2W, H = 101 Km, M = 4.4					
		N PERU						
		PNS	EP	06 51 47.6		0.6		
		LPB	EP	06 51 50				13.5
MAY	7	TRJ	EP	07 58 29.1				
		LPB	EP	07 59 13		0.9	6.8	
MAY	7	TRJ	IP	08 00 58.3	C			
			IS	01 28.3				
MAY	7	LPB	EP	09 01 00				
			S	01 21.5				
		PNS	EP	09 01 07.6				
			S	01 39				
MAY	7	LPB	P	09 03 27.5				
			S	03 54.5				
		PNS	EP	09 03 34.5				
			S	04 07				
MAY	7	USCGS	09 04 54, 50.9N, 179.5E, H = 70 Km, M = 4.5					
		RAT IS ALEUTIAN IS						
		LPB	EL	10 00 00				117.1
MAY	7	TRJ	IP	09 47 11.2	D			
MAY	7	PNS	IP	09 59 40.2	C			
			S	10 00 02.3				
		LPB	P	09 59 42		0.7	10.2	
			S	10 00 06				
MAY	7	USCGS	09 48 03, 7 S, 122.2E, H = 43 Km, M = 5.6					
		N CELEBES						
		TRJ	EPKP	10 07 58.9				
		PNS	EPKP	10 08 01		1.8		
			I	08 19.3				
		LPB	EPKP	10 08 02				154.6
			EL	11 01 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	7	LPB	P	10 34 32		0.6	10.8	
			S	35 19.5				
		PNS	EP	10 34 34.6		0.5		
			I	34 34.6				
			S	35 22				
MAY	7	USCGS	11 08 53, 22.3S, 177.0W, H = 303 Km, M = 4.4					
		S OF FIJI IS						
		LPB	EL	11 54 00				100.4
MAY	7	USCGS	13 08 16, 37.8N, 27.9E, H = 12 Km, M = 5.2					
		TURKEY						
		LPB	EP	13 22 18				104.6
			EL	57 00				
MAY	7	PNS	IP	13 54 31.8	D			
MAY	7	PNS	P	16 36 07.7				
			IS	36 31.2				
MAY	7	PNS	P	16 41 51		0.5		
MAY	7	USCGS	16 23 41.1, 4.7N, 125.7E, H = 47 Km, M = 5.3					
		TALAUD IS						
		LPB	EPKP	16 43 28				162.1
			EL	17 40 00				
MAY	7	USCGS	17 09 16, 53.6N, 167.3W, H = 55 Km, M = 4.8					
		FOX IS ALEUTIAN IS						
		LPB	EL	18 01 00				109.0
MAY	7	TRJ	IP	18 21 35.0	C			
			S	22 16.2				
		PNS	EP	18 22 01				
MAY	7	USCGS	20 52 13, 37.2N, 115.0E, H = 33 Km, M = 4.8					
		N E CHINA						
		LPB	EPKP	21 13 15				159.2
			EL	22 05 00				
MAY	7	PNS	EP	22 11 10				
			S	11 46.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	8	PNS	EP	00 10 09.6		1.1	38.7	
			I	10 14.8				
			IS	15 30				
		LPB	EP	00 10 13				
			E(S)	14 25				
MAY	8	TRJ	EP	01 26 25.0	C			
			S	26 54.0				
MAY	8	USCGS	01 25 19.5, 44.8N, 150.5E, H = 45 Km, M = 4.					
		KURILE IS REG						
		LPB	EPKP	01 44 41				1
			ESS	02 05 46				
			EL	30 00				
MAY	8	PNS	EP	02 08 13.5		0.8	8.6	
		LPB	EP	02 08 15				
MAY	8	PNS	EP	02 15 10.2				
			S	16 10.0				
		LPB	EP	02 15 18				
			ES	16 09.5				
MAY	8	PNS	EP	04 55 17.4		0.5		
		LPB	EP	04 55 20				
MAY	8	PNS	P	05 25 02.4		0.5	9.3	
			S	25 31.0				
MAY	8	PNS	IP	06 31 01.4	D	0.4	13.4	
			IS	31 26.4				
		LPB	P	06 31 02.5		0.8	9.8	
			S	31 28				
MAY	8	TRJ	IP	07 27 53.4	D			
MAY	8	USCGS	08 29 57, 44.9N, 150.5E, H = 33 Km, M = 4.6					
		KURILE IS REG						
		LPB	EPKP	08 49 24				1
			EL	09 35 00				
MAY	8	PNS	EP	12 32 08				
			S	32 30				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	8	USCGS	12 26 01, 18.7N, 146.4E, H = 91 Km, M = 4.6					
		MARIANA IS						
		PNS	EPKP	12 45 36.5		1.2		
		LPB	EPKP	12 45 37				147.3
			PKP2	45 43.3				
			EL	13 35 00				
		TRJ	PKP	12 45 47.6	C			
MAY	8	PNS	P	17 18 08.1				
			S	18 30.0				
MAY	8	USCGS	17 03 28, 36.1N, 139.9E, H 61 Km, M = 4.5					
		HONSHU, JAPAN						
		LPB	EPKP	17 23 11				148.6
		PNS	EPKP	17 23 11.5		1.2		
MAY	8	LPB	EP	17 35 18				
		PNS	EP	17 35 52.8		0.5	16.6	
			S	37 04				
		TRJ	P	17 36 07.2	D			
			S	36 47.4	C			
MAY	8	PNS	EP	19 40 26				
			ES	41 00				
		CCH	EP	19 40 32.4				
		LPB	EP	19 40 35				
			(S)	41 01.4				
MAY	8	LPB	P	20 00 48.0	D	0.7	18.0	
			S	01 17				
		PNS	IP	20 00 49.9	D	0.5	72.9	
			S	01 18.4				
MAY	8	LPB	P	23 57 06		0.5	10.4	
		PNS	IP	23 57 07.0	D	0.4	41.6	
			ES	57 34.5				
MAY	9	USCGS	00 03 37.5, 14.4N, 144.5E, H = 107 Km, M = 4.8					
		MARIANA IS						
		PNS	EPKP	00 23 14.8				
		LPB	EPKP	00 23 15		1.0	8.0	148.7
			EL	01 13 00				
MAY	9	PNS	EP	00 49 53.4		0.9		
			I	50 23.4				
		LPB	EP	00 49 57				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	9	USCGS CRETE	00 42 55.6, 34.5N, 26.5E, H = 33 Km, M = 5.5					
		LPB	EP	00 56 52				103.
			ESKS	07 52				
			EL	32.3				
		PNS	EP	00 56 54.1				
			E	57 12.4				
			I	01 01 40.0				
MAY	9	USCGS HOKKAIDO JAPAN REGION	00 43 50, 41.3N, 142.3E, H = 33 Km, M = 4.9					
		LPB	EPKP	01 03 27				144.
			ESS	25 43				
			EL	53 00				
MAY	9	PNS	P	01 06 37.3		0.4	6.9	
			S	07 00				
MAY	9	LPB	EP	01 28 54				
		PNS	EP	01 28 54.1		0.7		
MAY	9	LPB	IP	01 32 33.2	D			
			ES	32 57				
		PNS	IP	01 32 33.6	D	0.9	180.8	
			S	32 57.8				
		CCH	IP	01 32 48.2	D			
		TRJ	IP	01 33 26.6	C			
MAY	9	USCGS MOLUCCA SEA	01 56 54, 0.0N, 125.2E, H = 122 Km, M = 5.6					
		LPB	EPKP	02 17 16		1.0	12.0	159.2
			E	17 34.3				
			EL	03 12 00				
		PNS	EPKP	02 17 19.4				
MAY	9	USCGS NR W C OF HONSHU, JAPAN	02 57 48.1, 38.4N, 139.3E, H = 20 Km, M = 4.8					
		PNS	EPKP	03 17 32		1.6		
		LPB	EPKP	03 17 34.0	D	1.0		147.7
MAY	9	TRJ	P	03 40 35.5	C			
			S	40 50.9	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	9	USCGS CST OF GUATEMALA	03 41 00, 13.6N, 91.0W, H = 68 Km, M = 4.4					
		TRJ	P	03 48 03.3	D			
		PNS	P	03 48 08		1.0		
			S	54 23				
		LPB	EP	03 48 10		1.0	10.0	37.8
			ES	55 08				
			EL	04 09 00				
MAY	9	TRJ	P	03 58 44.1	D			
MAY	9	USCGS TURKEY	03 51 09.4, 37.2N, 31.2E, H = 125 Km, M = 5.1					
		LPB	EP	04 05 09				107.0
MAY	9	PNS	EP	04 19 34.5				
		LPB	EP	04 19 37				
MAY	9	TRJ	P	05 34 19.6	C			
			S	34 50.9	C			
MAY	9	USCGS COSTA RICA	05 30 06, 8.4N, 83.0W, H = 37 Km, M = 4.5					
		LPB	EP	05 35 56				28.5
		PNS	EP	05 35 58.6				
MAY	9	LPB	EP	05 36 22				
MAY	9	USCGS CREETE	06 08 28.5, 34.5N, 26.6E, H = 33 Km, M = 5.0					
		LPB	EL	06 57 00				
MAY	9	TRJ	IP	07 09 46.6	D			
			IS	10 17.3	C			
		LPB	EP	07 10 11				
		PNS	P	07 10 15.4		0.6	11.2	
MAY	9	TRJ	IP	07 18 55.0	C			
			S	19 23.9				
MAY	9	TRJ	P	07 44 03.1	C			
		LPB	EP	07 44 38				
		PNS	EP	07 44 38				
			E	44 46.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	9	PNS	P	08 29 02		0.4	5.2	
			S	29 23.0				
		LPB	EP	08 29 03				
MAY	9	PNS	EP	09 21 17.8				
			S	21 54.7				
		LPB	EP	09 21 24				
			(S)	22 12.5				
MAY	9	PNS	IP	09 47 21.2		0.3	9.4	
			IS	47 43.1				
		LPB	E(P)S	09 47 47				
MAY	9	USCGS	10 00 33, 13.2S, 166.6E, H = 205 Km, M = 5.0					
		NEW HEBRIDES IS						
		LPB	EPKP	10 18 56				
			EL	56 00				118.6
MAY	9	USCGS	10 47 34, 8.7N, 82.9W, H = 47 Km, M = 3.9					
		PANAMA-COSTA RICA BOR PEG						
		PNS	EP	10 53 22				
MAY	9	TRJ	IP	12 31 54.3				
			IS	32 45.1				
		LPB	P	12 32 23	D	0.9		
			(S)	33 21.5				
		PNS	P	12 32 27.0	D	0.5	46.8	
MAY	9	CCH	P	12 40 51.8	C			
MAY	9	TRJ	P	13 10 43.4	C			
		LPB	EP	13 11 24				
		PNS	P	13 11 24.0	D	0.4	13.0	
			(S)	11 48.2				
MAY	9	TRJ	P	13 40 20.3	D			
		PNS	EP	13 40 23.8				
			S	41 44				
MAY	9	LPB	P	13 55 12				
		PNS	EP	13 55 12		0.4	5.2	
			I	55 20.4				
MAY	9	PNS	P	14 20 16.7				
			IS	20 49.0				
		LPB	EP	14 20 56				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	9	USCGS	15 15 14, 15.5S, 174.6W, H = 59 Km, M = 4.7					
		TONGA IS						
		LPB	EL	16 03 00				100.8
MAY	9	PNS	IP	15 43 34.9	C			
			S	44 13.6				
		LPB	IP	15 43 39.0	C	0.8	252.0	
			S	44 14				
		CCH	EP	15 44 00.2				
		TRJ	P	15 44 45.2	C			
MAY	9	TRJ	IP	18 27 46.1	C			
MAY	9	USCGS	20 06 18, 15.4S, 175.2W, H = 70 Km, M = 4.6					
		TONGA IS						
		LPB	EPKP	20 12 07				101.5
			EL	54 00				
MAY	9	USCGS	21 30 41, 15.1S, 174.6W, H = 35 Km, M = 4.8					
		TONGA IS						
		LPB	EL	22 18 00				100.9
MAY	10	PNS	EP	00 43 51.2				
			S	44 14				
MAY	10	PNS	P	02 12 20.7		0.6	19.2	
			S	12 52.7				
		LPB	EP	02 12 56				
MAY	10	TRJ	P	03 42 26.4	C			
MAY	10	USCGS	05 32 27, 16.5S, 167.3E, H = 33 Km, M = 4.8					
		NEW HEBRIDES IS						
		LPB	EL	06 27 00				116.0
MAY	10	LPB	IP	07 18 47.2	C	1.0	74.0	
			(S)	19 26				
		PNS	IP	07 18 51.3	C	0.6	144.0	
		TRJ	P	07 18 56.0	C			
			S	19 38.8	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	10	USCGS	07 46 27.7, 24.8S, 13.5W, H = 33 Km, M = 5.2					
		S ATLANTIC RIDGE						
		TRJ	IP	07 55 01.7	C			
		LPB	IP	07 56 32.2	C	1.0	62.0	51.2
			PP	56 41				
			EL	08 12 00				
MAY	10	TRJ	P	08 31 14.7	C			2.5
			IS	31 44.4	C			
MAY	10	LPB	EP	08 34 37				
		PNS	EP	08 34 38		0.9	5.6	
MAY	10	LPB	EP	08 55 24				
		PNS	EP	08 55 25				
MAY	10	TRJ	P	10 08 01.7	D			
		LPB	EP	10 08 10				
		PNS	EP	10 08 11				
MAY	10	USCGS	10 08 57, 41.8N, 141.9E, H = 43 Km, M = 4.9					
		HOKKAIDO, JAPAN REGION						
		LPB	EPKP	10 28 29				144.1
			EL	11 07 00				
MAY	10	PNS	EP	10 27 30.6				4.3
			S	28 21				
MAY	10	USCGS	11 37 56, 36.6N, 115.7E, H = 33 Km, M = 4.9					
		E CHINA						
		LPB	EPKP	11 58 00				160.0
			EL	12 53 00				
MAY	10	TRJ	IP	13 03 25.3	C			
		LPB	EP	13 03 40				
		PNS	P	13 03 41.6		0.4	3.0	
MAY	10	PNS	P	13 11 40.8		0.4	8.8	7.9
			ES	13 10				
		LPB	EP	13 11 47.5				
		TRJ	P	13 12 47.0	C			
MAY	10	USCGS	13 56 05, 49.8N, 153.9E, H = 35 Km, M = 4.7					
		KURILE IS						
		LPB	EL	14 59 00				132.6

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	10	TRJ	IP	14 48 41.3	D			
		PNS	P	14 49 40.2		0.5		7.2
			ES	51 03.8				
MAY	10	USCGS	14 46 47, 4.9N, 75.9W, H = 35 Km, M = 4.7					
		COLOMBIA						
		LPB	EL	14 57 00				25.5
MAY	10	TRJ	EP	15 26 25.2	D			2.3
			IS	26 53.1	C			
MAY	10	TRJ	IP	17 30 07.2	C			3.1
			S	30 43.6				
		PNS	P	17 30 32.5				
		LPB	EP	17 30 38				
MAY	10	PNS	P	17 32 42.1	D	0.5	3.6	
			S	33 05.4				
MAY	10	USCGS	20 22 23, 15.3S, 173.7W, H = 33 Km, M = 4.7					
		TONGA IS REG						
		LPB	EL	21 10 00				100.0
MAY	10	PNS	EP	21 18 39.8				
		LPB	EP	21 18 41				
MAY	10	USCGS	21 04 04, 51.8N, 99.0E, H = 2 Km, M = 4.9					
		USSR-MONGOLIA BOR REG						
		LPB	EPKP	21 23 26				136.0
			EL	22 08 00				
MAY	11	USCGS	00 01 32, 7.1S, 74.5W, H = 152 Km, M = 4.0					
		PERU-BRAZIL BOR REG						
		PNS	EP	00 04 05.2				
		LPB	EP	00 04 06				11.2
MAY	11	USCGS	01 20 48, 17.2N, 96.4W, H = 48 Km, M = 4.0					
		OAXACA, MEXICO						
		LPB	EP	01 28 29				43.7
			ESS	35 38				
			EL	42 00				
		PNS	EP	01 28 30		1.1	7.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	11	USCGS	01 26 23.7, 62.8N, 150.1W, H = 91 Km, M = 4.7					
		CENTRAL ALASKA						
		LPB	EP	01 39 53				100.3
			EL	02 15 00				
MAY	11	USCGS	01 55 51, 16.7N, 96.6W, H = 57 Km, M = 4.6					
		OAXACA, MEXICO						
		LPB	EP	02 03 39				43.6
			EL	18 00				
MAY	11	USCGS	03 49 14, 56. S, 27.5W, H = 89 Km, M = 5.7					
		S SANDWICH IS REG						
		TRJ	IP	03 57 19.0	C			
		LPB	IP	03 58 01.8	C	1.2	85.4	49.5
			PP	58 28.6				
			S	04 05 04.5				
			EL	13 00				
		PNS	IP	03 58 05.2	C	0.9	33.0	
			IPP	58 30.4				
			E	04 03 04				
MAY	11	LPB	EP	04 30 11				2.8
			ES	30 44				
		PNS	EP	04 30 13.5				
			E	30 19.1				
			S	30 59.8				
MAY	11	TRJ	P	05 52 43.6	C			
MAY	11	LPB	EL	06 03 00				
MAY	11	PNS	P	07 59 57.7		0.2	5.8	
			IS	08 00 19.4				
		LPB	EP	08 00 24				
MAY	11	TRJ	P	08 39 27.7	D			
MAY	11	USCGS	10 21 43, 34.5N, 26.4E, H = 11 KM, M = 4.7					
		CRETE						
		LPB	EP	10 35 39				103.1
			EL	11 12 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	11	PNS	EP	11 03 41				2.8
			(S)	04 10				
		LPB	E(P)	11 03 45				
MAY	11	PNS	P	11 33 44.6		0.9	3.7	
			E	33 52.3				
MAY	11	PNS	IP	11 34 02.9		0.3	3.3	
			S	34 52.7				
MAY	11	TRJ	P	12 15 21.0	C			2.5
			S	15 51.1	C			
MAY	11	PNS	E(P)	13 14 57				
		LPB	EP	13 15 40				
MAY	11	TRJ	P	13 52 16.2	D			
		PNS	EP	13 52 59.4		1.0	4.1	
MAY	11	TRJ	IP	14 31 27.5	D			3.1
			S	32 04.2	C			
MAY	11	USCGS	14 17 34.1, 48.9N, 156.2E, H = 13 Km, M = 5.8					
		KURILE IS REG						
		LPB	PKP	14 36 50		1.0	38.0	131.9
			PPKP	37 03.5				
			PKS	40 17				
			ESKS	44 08				
			SS	15 56 56				
			SSS	07 20				
			EL	31 00				
		PNS	PKP	14 36 50.2				
			PKS	40 21.1				
			SS	56 54				
		TRJ	EPKP	14 36 55.2				
MAY	11	USCGS	14 26 41.6, 49. N, 156.2E, H = 33 Km, M = 5.5					
		KURILE IS REG						
		PNS	EPKP	14 45 53.8		1.8	30.0	
		LPB	EPKP	14 45 55				131.5
			EPPKP	46 06.5				
			ESS	15 06 12				
			EL	28 00				
		TRJ	EPKP	14 46 08.7	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	11	PNS	EP	18 02 29		0.6	6.5	
			S	03 52.2				
MAY	11	PNS	IP	18 11 30.0	D	0.5	5.3	2.6
			S	12 02				
MAY	11	USCGS	18 00 29, 48.5N, 156.5E, H = 33 Km, M = 4.6					
		KURILE IS REG						
		CCH	EPKP	18 19 24.1				
		LPB	EPKP	18 19 39				131.9
			EL	19 03 00				
MAY	11	PNS	EP	20 00 15.9		0.5	4.8	
MAY	11	USCGS	21 39 35.3, 48.8N, 156.3E, H = 28 Km, M = 5.7					
		KURILE IS REG						
		PNS	PKP	21 58 49		1.4	18.2	
		LPB	EPKP	21 58 50		1.2	27.0	131.7
			EL	22 42 00				
		CCH	EPKP	21 59 01.0				
MAY	12	USCGS	02 09 21, 49.5N, 155.6E, H = 61 Km, M = 4.7					
		KURILE IS						
		LPB	EPKP	02 28 29				131.9
			EL	03 12 00				
MAY	12	PNS	EP	03 04 33		0.6	5.0	
		LPB	P	03 04 36		0.7	7.8	
			S	04 47				
MAY	12	PNS	P	05 59 01.5		0.4	5.2	
			IS	59 32.0				
		LPB	EP	05 59 09				
MAY	12	USCGS	06 31 11.9, 24.2N, 122.3E, H = 57 Km, M = 4.8					
		TAIWAN REGION						
		LPB	EPKP	06 51 19				167.5
			EL	07 50 00				
MAY	12	PNS	P	11 44 01.7		0.2	3.5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	12	USCGS	11 49 41, 65.4S, 179.7W, H = 33 Km, M = 4.7					
		S PACIFIC CORDILLERA						
		TRJ	EP	12 01 53.4				
		PNS	IP	12 02 11	C	1.2	16.2	
			I	12 48				
		LPB	P	12 02 12		1.1	36.8	83.7
			EL	29 00				
MAY	12	USCGS	12 16 59, 48.7N, 156.3E, H = 26 Km, M = 4.9					
		KURILE IS REG						
		LPB	EL	13 19 00				
MAY	12	USCGS	20 31 02, 38.6N, 25.8E, H = 33 Km, M = 4.4					
		AEGEAN SEA						
		LPB	P	20 44 45				103.5
			EL	21 20 00				
MAY	12	PNS	IP	22 43 18.0	C	0.4	3.2	
MAY	12	PNS	EP	23 15 17.4				
			I	15 28.1				
		LPB	EP	23 15 20				
MAY	13	LPB	EP	00 28 16				
MAY	13	LPB	EP	01 01 38				
		PNS	IP	01 01 39.1	D	0.5	46.4	2.
			S	02 05.3				
MAY	13	USCGS	01 35 20, 15.4S, 20.8W, H = 210 Km, M = 4.4					
		S PERU						
		PNS	IP	01 36 04.8	D			
			IS	36 37.4				
		LPB	IP	01 36 09.3	D	0.8	20.3	2.
			ES	36 42				
		TRJ	P	01 37 19.7	D			
MAY	13	TRJ	IP	04 42 59.4	D			3.
			IS	43 30.1				
MAY	13	USCGS	05 02 15, 7.2S, 146.3E, H = 177 Km, M = 4.8					
		E NEW GUINEA REG						
		LPB	EPKP	05 21 16.5				138.7
			EL	06 08 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	13	LPB	P	07 32 20		0.9	27.2	
MAY	13	USCGS	07 54 42, 51. N, 176.2E, H = 33 Km, M = 4.8					
		RAT IS ALEUTIAN IS						
		LPB	EPKP	08 13 22				118.9
			EL	51 00				
MAY	13	LPB	EP	08 59 31				
		PNS	P	08 59 37.0		0.5	3.2	4.9
			S	09 00 34				
MAY	13	CCH	IP	10 02 44.5	C			
MAY	13	PNS	EP	10 07 25				
			S	08 05				
MAY	13	USCGS	10 20 31, 6. N, 125.7E, H = 155 Km,					
		MINDANAO, P. I.						
		LPB	EPKP	10 39 50				
MAY	13	TRJ	P	12 00 33.3	D			
MAY	13	PNS	P	13 41 12.4				2.2
			S	41 38.8				
		LPB	P	13 41 13.0		1.3	61.5	
			E(S)	42 13.5				
		TRJ	P	13 41 51.9	C			
MAY	13	USCGS	14 19 29, 49.9N, 157.3E, H = 33 Km, M = 4.3					
		KURILE IS REG						
		LPB	EL	15 21 00				130.6
MAY	13	LPB	P	16 42 44.0	D	0.8	15.0	
			(S)	43 08				
		PNS	IP	16 42 45.1	D	0.6	70.1	2.1
			S	43 10.4				
MAY	13	USCGS	17 25 55.9, 36.9N, 121.6W, H = 18 Km, M = 4.6					
		CENTRAL CALIFORNIA						
		LPB	EP	17 37 47		1.0	12.0	73.6
			EL	18 01 00				
		PNS	P	17 37 50		0.9	5.8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	13	USCGS	19 29 47, 19.6S, 175.8W, H = 244 Km, M = 4.2					
		TONGA IS						
		LPB	EL	20 18 00				100.0
MAY	13	LPB	EP	21 35 18		0.9	11.9	10.2
			ES	37 12				
MAY	13	TRJ	P	23 46 26.3	C			
			S	47 20.4				
		LPB	EP	23 46 30				3.6
			S	47 12.5				
		PNS	EP	23 46 30		0.6	3.0	
			(S)	47 19				
MAY	13	TRJ	P	23 52 47.9	D			2.8
			S	53 20.4	D			
MAY	14	LPB	EP	00 03 45				
MAY	14	TRJ	IP	00 36 54.9	C			
		LPB	EP	00 37 35				
		PNS	EP	00 37 36				
MAY	14	TRJ	P	00 43 33.5	C			4.3
			S	44 23.7	D			
MAY	14	TRJ	IP	00 44 36.4	D			
		LPB	EP	00 45 27				
		PNS	EP	00 45 29.4				
MAY	14	TRJ	P	01 05 05.9	D			
MAY	14	TRJ	IP	03 12 40.6	D			2.9
			IS	13 14.4				
MAY	14	LPB	EP	03 41 49				2.5
			S	42 19.5				
		PNS	P	03 41 50.1	D	0.5	8.9	
			S	42 20.0				
MAY	14	LPB	EP	04 03 30				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	14	TRJ	EP	04 10 05.7				
		LPB	EP	04 10 39.0				
			(S)	12 13				
		PNS	P	04 10 42.4		0.8		8.5
			S	12 19				
MAY	14	TRJ	IP	05 44 59.8	D			
			IS	45 28.3	C			
		LPB	IP	05 45 27.2	D	0.8	9.7	0.5
			S	45 35.5				
		PNS	IP	05 45 31.2	D	0.4	13.0	
			(S)	46 30				
MAY	14	USCGS	06 08 29, 18.5N, 144.9E, H = 233 Km, M = 4.0					
		MARIANA IS						
		PNS	EPKP	06 27 51		0.9	3.7	
		LPB	PKP	06 27 52.5		0.8	11.2	148.6
			EL	07 18 00				
		TRJ	PKP	06 28 03.0	D			
MAY	14	USCGS	09 04 46, 19.7S, 177.6W, H = 392 Km, M = 4.1					
		FIJI IS REG						
		LPB	EL	09 53 00				103.2
MAY	14	USCGS	11 07 26, 15.7S, 68.9W, H = 190 Km, M = 4.1					
		BOLIVIA						
		PNS	IP	11 07 54.2	D	0.6	140.0	
		LPB	EP	11 07 56.5	D	0.6	192.0	1.1
			ES	08 20				
		CCH	P	11 08 17.1	D			
MAY	14	USCGS	11 33 10, 53.2N, 168.7W, H = 33 Km, M = 4.2					
		FOX IS ALEUTIAN IS						
		LPB	EPKP	11 47 37				109.5
			EL	12 25 00				
MAY	14	CCH	EP	12 35 39.3				
MAY	14	TRJ	IP	12 49 21.4	D			2.8
			IS	49 55.1	C			
MAY	14	PNS	EP	12 50 06.8		0.6	8.2	
			S	51 18.0				
		LPB	EP	12 51 01				0.8
			S	51 12.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	14	TRJ	P	14 24 22.5	D			2.5
			IS	24 52.6	C			
MAY	14	USCGS	14 46 15, 51.9N, 177.7W, H = 66 Km,					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	EPKP	15 04 55				114.8
			EL	41 00				
MAY	14	TRJ	IP	15 17 48.5	D			
MAY	14	PNS	P	16 33 13.0				2.8
			S	33 46.4				
MAY	14	PNS	EP	16 45 23.4		0.6		8.7
			I	45 26.0				
			ES	46 01.4				
		LPB	EP	16 45 35				
MAY	14	USCGS	16 59 52.9, 34.1N, 138.8E, H = 50 Km, M = 4.7					
		S CST HONSHU, JAPAN						
		PNS	PKP	17 19 41		1.0	8.2	
			PKP2	19 53.5				
			I	20 08.1				
		LPB	EPKP	17 19 42		1.1	27.6	150.0
			PPKP	19 49.5				
			PKP2	19 53				
			EL	18 12 00				
MAY	14	USCGS	17 03 56.5, 34.2N, 138.9E, H = 33 Km, M = 4.9					
		S CST HONSHU, JAPAN						
		LPB	PKP	17 23 46		1.2	26.0	150.0
			I	23 54				
		PNS	PKP	17 23 46		1.3	24.0	
MAY	14	USCGS	18 26 09, 26.3S, 67.5W, H = 35 Km, M = 4.5					
		CATAMARCA PROVINCE, ARGENTINA						
		TRJ	IP	18 27 37.3	D			
		LPB	EP	18 28 32				9.9
			ES	30 06				
		PNS	EP	18 28 33.6		1.0	10.2	
MAY	14	CCH	EP	20 21 40.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	14	USCGS	19 37 31, 15.5S, 175.1W, H = 33 Km, M = 4.7					
		TONGA IS						
		LPB	EL	20 26 00				103.2
MAY	14	USCGS	20 27 27.4, 10.5N, 63.0W, H = 16 Km, M = 5.5					
		CST VENEZUELA						
		PNS	IP	20 33 12.3	D	1.5	400.5	
			ISCS	38 36				
		LPB	P	20 33 14	D	1.7	467.0	22.7
			SCS	38 12				
			G	41.5				
			L	41.3				
MAY	14	LPB	EP	21 32 30				5.1
			ES	33 29				
MAY	15	PNS	P	00 17 18.0				2.1
			S	17 43.8				
MAY	15	TRJ	IP	00 21 38.3	D			
MAY	15	LPB	EP	00 22 38				
		PNS	EP	00 22 38.7		0.8	3.6	
MAY	15	TRJ	IP	01 29 03.4	C			
		LPB	EP	01 30 45				
MAY	15	USCGS	02 13 03, 39.6N, 74.1E, H = 51 Km, M = 4.9					
		S SINKIANG PROVINCE, CHINA						
		LPB	EPKP	02 32 23				140.0
			EL	03 20 00				
MAY	15	PNS	P	03 52 35.0		0.4	4.0	
			IS	53 03.6				
		LPB	EP	03 52 39				2.6
			S	53 09.8				
MAY	15	USCGS	03 38 10, 5.2S, 152.2E, H = 56 Km, M = 4.7					
		NEW BRITAIN REG						
		LPB	EPKP	03 57 19				134.7
			EL	04 42 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	15	USCGS	04 34 11, 53.4N, 167.8W, H = 33 Km, M = 4.7					
		FOX IS ALEUTIAN IS						
		LPB	EP	04 48 33				109.6
			EL	05 27 00				
MAY	15	TRJ	IP	05 44 33.4	D			
		LPB	P	05 45 26				
		PNS	P	05 45 30.0		0.5	4.0	
MAY	15	LPB	E(P)	06 00 15		0.8	15.4	
			S	00 47.5				
MAY	15	LPB	EP	06 06 51				
		PNS	EP	06 06 52.4				
MAY	15	PNS	P	07 16 48.2		0.4	2.2	1.9
			S	17 11.6				
MAY	15	TRJ	IP	07 48 23.5	D			8.7
			IS	49 51.7	D			
		LPB	EP	07 48 59				
		PNS	P	07 49 02.8	C	0.4		
MAY	15	LPB	EP	08 47 52				
MAY	15	PNS	P	10 07 32.8		0.4	4.7	
MAY	15	LPB	EP	10 38 16.5		1.3	16.8	
MAY	15	TRJ	P	10 49 51.2	D			2.6
			S	50 22.2				
MAY	15	LPB	P	10 58 47.7				
		PNS	EP	10 58 48.6				
MAY	15	LPB	EP	12 58 32				
MAY	15	PNS	P	13 50 39.2		0.4	2.1	
		LPB	EP	13 50 47				
MAY	15	TRJ	IP	14 31 10.3	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	15	USCGS	14 46 06.3, 51.5N, 128.4W, H = 31 Km, M = 5.8					
		ANDREANOF IS						
		PNS	EPKP	15 04 44.6				
			PP	05 52.4				
			PS	15 27				
			SS	21 45				
		LPB	EPKP	15 04 45				115.2
			PP	06 02				
			PS	15 15				
			SS	21 53				
			L	41 00				
		TRJ	PKP	15 05 01.6				
MAY	15	LPB	EP	15 14 55				
MAY	15	USCGS	17 16 16.2, 36.6N, 71.0E, H = 213 Km, M = 4.8					
		HINDU KUSH REGION						
		LPB	EL	18 23 00				140.0
MAY	15	USCGS	20 16 04, 1.5S, 78.0W, H = 195 Km, M = 4.2					
		ECUADOR						
		PNS	P	20 19 55.7		0.5	2.5	
		LPB	EP	20 19 58				17.5
			ES	22 49				
MAY	16	PNS	EP	00 17 21.2		0.9	4.1	
MAY	16	TRJ	P	01 02 47.8	D			3.4
			S	03 27.6				
		LPB	EP	01 03 00				
		PNS	P	01 03 04.1		0.5	2.4	
MAY	16	USCGS	02 46 42.4, 6.9S, 129.4E, H = 212 Km, M = 5.9					
		BANDA SEA						
		TRJ	IPKP	03 06 08.3	C			
		PNS	IPKP	03 06 08.4	C	1.0	32.9	
			IPKP2	06 13.5				
		LPB	IPKP	03 06 08.8	C	1.0	108.0	151.0
			IPKP2	06 13.4				
			EL	58 00				
MAY	16	LPB	EP	03 33 22				
		PNS	E(P)	03 33 23				
MAY	16	LPB	EP	03 47 20				1.2
			(S)	47 35				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	16	TRJ	P	04 06 47.1	D			
MAY	16	LPB	EP	04 16 49				
MAY	16	LPB	EP	04 29 39		1.0	10.0	
MAY	16	USCGS	05 44 19.6, 6 N, 30.2E, H = 36 Km					
		UGANDA						
		LPB	EP	05 56 00				100.0
			EL	06 32 00				
MAY	16	LPB	EP	07 22 42				
		PNS	EP	07 22 45				
MAY	16	TRJ	P	08 07 53.6				
		LPB	P	08 08 04		0.9	11.9	
		PNS	P	08 08 08.8		0.8	7.4	
MAY	16	USCGS	08 28 23.6, 8 N, 126.8E, H = 33 Km, M = 5.3					
		MOLUCCA PASSAGE						
		LPB	EPKP	08 48 38				154.5
MAY	16	TRJ	IP	09 19 28.2	C			
MAY	16	PNS	P	11 27 19.5		0.4	1.2	2.5
			S	27 49.8				
MAY	16	USCGS	12 57 43, 36.6N, 34.3W, H = 34 Km, M = 4.5					
		AZORES IS REG						
		PNS	IP	13 07 56.0	C	1.0	38.2	
		LPB	P	13 07 57		1.2	23.3	61.5
			EL	27 00				
MAY	16	USCGS	13 06 38.1, 30.6N, 130.2E, H = 68 Km, M = 5.1					
		KYUSHU, JAPAN						
		PNS	PKP	13 26 31.1		0.9	4.2	
			PKP2	27 05				
		LPB	EPKP	13 26 31.5		0.9	10.2	158.0
			EL	14 21 00				
MAY	16	USCGS	13 39 46, 53.2N, 168.3W, H = 33 Km, M = 4.0					
		FOX IS, ALEUTIAN IS						
		LPB	EP	13 54 11				109.4
			EL	14 31 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	16	LPB	P	13 55 24.5		1.3	95.0	
			I	55 27				
MAY	16	LPB	P	14 51 56		1.0	26.0	
MAY	16	USCGS	14 51 01, 15.8S, 174.1W, H = 117 Km, M = 4.2					
		TONGA IS						
		LPB	EL	15 38 00				100.5
MAY	16	USCGS	17 30 53.5, 34.4N, 26.6E, H = 32 Km, M = 4.8					
		CRETE						
		LPB	EL	18 20 00				103.2
MAY	16	PNS	P	19 34 01.6		0.4	2.1	1.8
			IS	34 24.3				
MAY	16	LPB	EP	19 36 27		0.9	23.0	
MAY	16	USCGS	20 09 35.9, 17.1N, 119.9E, H = 49 Km, M = 4.7					
		P. I. REGION						
		LPB	PKP	20 29 44		1.0	10.0	172.5
			ESS	56 36				
			EL	21 21 00				
		PNS	PKP	20 29 44		1.0	8.3	
MAY	16	LPB	EP	22 41 12				
		PNS	EP	22 41 21.7				
			E	42 38				
MAY	16	LPB	EP	23 50 38				
		PNS	EP	23 50 39				4.4
			(S)	51 30.8				
MAY	17	USCGS	00 59 06.3, 35.8N, 140.5E, H = 68 Km, M = 5.3					
		C OF HONSHU, JAPAN						
		PNS	PKP	01 18 43.9	D	1.1	22.4	
			PPKP	18 48.6				
		LPB	IPKP	01 18 45.2	D	1.2	23.4	148.2
			I	18 47.6				
			PPKP	19 02.2				
			EL	02 10 00				
MAY	17	PNS	P	01 38 32.5				6.3
			S	39 45				
		LPB	P	01 38 33.5		1.0	26.0	
			(S)	39 19.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	17	USCGS	01 47 37.3, 17.2N, 99.0W, H = 35 Km, M = 5.2					
		GUERRERO, MEXICO						
		PNS	EP	01 55 50.0		0.9	9.2	
			IPP	56 00.2				
		LPB	P	01 55 53.0		1.1	11.5	45.6
			EL	02 10 00				
		TRJ	IP	01 56 37.7	C			
MAY	17	TRJ	P	03 28 31.9	D			
MAY	17	USCGS	04 30 45, 6.9S, 129.0E, H = 195 Km, M = 5.1					
		BANDA SEA						
		TRJ	EPKP	04 50 13.0				
		LPB	EPKP	04 50 14		0.9	3.4	151.2
			EL	05 42 00				
		PNS	EPKP	04 50 15		0.8	5.3	
			I	50 21.0				
			E	51 10.2				
MAY	17	TRJ	P	05 05 13.5	C			
		PNS	P	05 05 28.0		0.5	2.1	
		LPB	EP	05 05 49				
MAY	17	USCGS	05 40 20, 5.7S, 151.6E, H = 56 Km, M = 5.0					
		NEW BRITAIN REGION						
		LPB	EPKP	05 59 36				135.1
			PPKP	59 51.6				
			EL	06 44 00				
		PNS	EPKP	05 59 38				
MAY	17	USCGS	07 03 29.4, 7 N, 30.1E, H = 12 Km, M = 6.3					
		UGANDA						
		TRJ	IP	07 16 59.6	C			
		PNS	P	07 17 10.4				
			E	30 10				
			SSS	39 36				
		LPB	P	07 17 10.5		1.5	36.5	100.0
			EL	51 00				
MAY	17	TRJ	P	08 34 48.2	D			
		PNS	EP	08 35 12				
		LPB	EP	08 35 15				
MAY	17	USCGS	09 33 31, 18.5S, 167.6E, H = 32 Km, M = 4.7					
		NEW HEBRIDES IS						
		[illegible]	EL	10 27 00				114.8

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	17	TRJ	IP	12 41 30.6	D			
MAY	17	PNS	P	13 05 51.2	D	0.4	3.7	1.8
			S	06 14				
MAY	17	TRJ	IP	14 18 13.8	D			3.2
			IS	18 52.0	D			
MAY	17	LPB	EP	14 50 23				
		PNS	EP	14 50 23.8				
MAY	17	LPB	EP	15 08 46		0.9	11.9	
MAY	17	PNS	EP	15 50 27				
		LPB	EP	15 50 30				
MAY	17	LPB	EP	16 18 23.5		0.9	22.0	0.2
			S	18 24				
MAY	17	PNS	EP	16 41 48.2				2.9
			S	42 22.5				
MAY	17	LPB	EP	16 44 33		0.7	9.1	
MAY	17	USCGS	16 58 17, 44. S, 75.2W, H = 33 Km, M = 5.7					
		OFF C OF S CHILE						
		TRJ	IP	17 03 37.1	C			
		LPB	P	17 04 09.5		1.0	32.0	28.4
			I	04 29.6				
			PCP	07 23				
			ES	09 02				
			ESS	10 19				
			EL	12.2				
		PNS	IP	17 04 11.5	D	1.0	31.2	
			I	04 19.3				
			S	09 05				
			SS	10 20				
MAY	17	USCGS	18 55 35.6, 44. S, 75.3W, H = 33 Km, M = 5.0					
		CST OF S CHILE						
		TRJ	P	19 00 55.5	C			
		LPB	P	19 01 26				28.2
			EL	10 00				
		PNS	P	19 01 29.7	C	1.0	9.8	
			E	04 46				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	17	PNS	P	20 41 51.2		0.4	4.9	2.2
			S	42 17.0				
MAY	17	TRJ	P	20 43 44.1	C			0.9
			IS	43 57.0				
MAY	17	LPB	EP	21 48 55				
		PNS	P	21 49 22.2				4.3
			(S)	51 12.8				
MAY	17	PNS	EP	22 01 42.8				
		LPB	IP	22 01 43.5	C	0.7	6.1	
			IS	01 45.5				
MAY	17	PNS	EP	22 23 46.5				3.8
			S	24 31.4				
		LPB	EP	22 23 49				
MAY	17	PNS	IP	22 42 49.9	C			2.7
			S	43 22.4				
		LPB	IP	22 42 54	C	1.0	120.0	2.6
			S	43 25				
MAY	17	PNS	EP	23 16 39.4				5.4
			S	17 41.3				
MAY	18	TRJ	P	01 24 53.3				3.5
			IS	25 34.9	C			
		PNS	EP	01 25 04.4				
		LPB	EP	01 25 07				
MAY	18	LPB	EP	01 36 20				
		PNS	EP	01 36 20.5				4.6
			S	37 14				
MAY	18	LPB	EP	01 42 55				
MAY	18	USCGS	04 25 05.2, 32.6S, 72.2W, H = 33 Km, M = 4.5					
		OFF CST OF C CHILE						
		LPB	EP	04 28 55				16.3
		PNS	P	04 28 57.2		1.0	18.2	
MAY	18	LPB	P	04 36 23.5		0.7	3.9	
			(S)	36 31				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	18	PNS	E(P)	04 49 30				
		LPB	EP	04 49 36				
MAY	18	LPB	P	06 10 04.5		0.8	9.8	
		PNS	IP	06 10 05.6	D	0.4	12.9	2.9
			S	10 39.8				
MAY	18	USCGS	07 32 07.3, 25. N, 109.0W, H = 33 Km, M = 5.3					
		GULF OF CALIFORNIA						
		PNS	EP	07 41 49.5		1.0	140.0	
			I	42 52.0				
			S	49 53				
			SSS	55 58				
			L	08 00 22				
		LPB	P	07 41 52.2	C	1.7	43.0	57.5
			S	49 56				
			SSS	56 35				
			L	08 00 00				
		TRJ	P	07 42 36.0	C			
MAY	18	LPB	P	07 59 52.5		0.7	9.0	
MAY	18	PNS	IP	08 34 53.5	C	0.7	22.0	
		LPB	P	08 34 59.5				
MAY	18	TRJ	IP	08 36 42.7	C			3.1
			IS	37 18.8	C			
MAY	18	TRJ	P	09 18 50.9				
MAY	18	TRJ	P	10 06 22.9	C			2.4
			S	06 52.6				
MAY	18	PNS	EP	10 23 18				
			(S)	23 54.5				
		LPB	EP	10 23 24				
MAY	18	LPB	EP	11 02 32				
MAY	18	USCGS	13 06 50, 19.1S, 67.5W, H = 252 Km, M = 3.9					
		S BOLIVIA						
		CCH	IP	13 07 30.9	D			
		LPB	IP	13 07 40.0	C	0.8	180.0	2.7
			S	08 16				
		PNS	IP	13 07 42.6	C	0.8	330.0	
			S	08 19				
		TRJ	IP	13 07 47.3	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	18	LPB	IP	15 02 05.2		0.6	22.7	2.1
			S	02 31				
		PNS	IP	15 02 05.4	D	0.5	12.5	
			S	02 31.2				
MAY	18	PNS	EP	17 39 03.4				5.2
			S	40 03.4				
MAY	18	USCGS	17 25 51.9, 5.9N, 116.6E, H = 48 Km, M = 5.4					
		BORNEO						
		LPB	EPKP	17 45 57				168.5
		PNS	PKP	17 45 57.7		1.3	16.2	
			E	47 12				
MAY	18	PNS	IP	23 27 40.6	D	0.4	13.6	2.1
			S	28 06				
		LPB	EP	23 27 41				
			(S)	28 08				
MAY	18	PNS	P	23 32 35.9				1.9
			S	32 59				
MAY	19	TRJ	IP	02 05 40.5	C			
MAY	19	PNS	IP	03 21 11.7	D	0.4	9.8	2.1
			S	21 37.2				
		LPB	EP	03 21 12				
MAY	19	LPB	EP	03 56 23				
		PNS	EP	03 56 27.9		0.7	5.2	
MAY	19	USCGS	05 58 40, 39.8N, 78.1E, H = 33 Km, M = 5.1					
		S SINKIANG PROVINCE, CHINA						
		LPB	EPKP	06 18 13				142.5
MAY	19	TRJ	IP	06 32 32.3	D			
		LPB	P	06 33 23.5				
			(S)	24 51.5				
		PNS	IP	06 33 27.4	C	0.3	3.0	
			I	33 28.4				
			(S)	34 54				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	19	USCGS	07 06 26.8, 54.1N, 164.1W, H = 28 Km, M = 5.8					
		UNIMAK IS REG						
		LPB	EPKP	07 20 30		1.0	4.0	107.0
			SKS	31 20				
			SS	40 17				
			EL	58 00				
		PNS	E	07 20 55				
			PP	25 14				
			SKS	31 19.0				
			IPS	34 21				
			SSP	40 17				
MAY	19	LPB	EP	07 36 11		1.1	9.2	
MAY	19	USCGS	08 35 10, 10.1N, 62.3W, H = 128 Km, M = 4.3					
		NR C OF VENEZUELA						
		LPB	EP	08 40 40				27.2
			EL	48 00				
MAY	19	TRJ	IP	09 32 08.7	D			2.7
			IS	32 41.2	C			
MAY	19	TRJ	P	10 56 46.2				3.4
			S	57 26.2	C			
MAY	19	LPB	E(P)	12 50 12		0.8	11.2	
MAY	19	PNS	EP	13 35 53.4				
		LPB	EP	13 35 57				
MAY	19	PNS	IP	14 07 39.4	C	1.0	40.2	
			E(S)	08 05.2				
		LPB	IP	14 07 42	C	0.8	89.6	
			E(S)	08 09				
		TRJ	IP	14 08 20.5	C			
MAY	19	PNS	IP	15 06 43.5	C	0.3	6.2	1.9
			S	07 07.2				
MAY	19	LPB	EP	15 21 23				3.9
			S	22 08				
		PNS	EP	15 21 24.6				
			S	22 08.9				
		TRJ	IP	15 21 31.6	C			
MAY	19	PNS	EP	15 35 25				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	19	PNS	EP	16 33 25.9		0.5	4.6	
			ES	34 03.4				
MAY	19	PNS	EP	17 06 08		0.8	5.2	
MAY	19	PNS	EP	17 08 26.6				
			(S)	09 08.6				
MAY	19	USCGS	17 37 19.3, 17.6S, 71.9W, H = 21 Km, M = 4.3					
		NR COAST OF PERU						
		PNS	IP	17 38 15.0	C	1.0	32.2	
			S	38 53				
		LPB	IP	17 38 19.0				3.6
			S	38 57				
MAY	19	TRJ	IP	17 59 16.2	C			
MAY	19	TRJ	IP	18 03 18.2	C			
		LPB	EP	18 04 04				
		PNS	EP	18 04 06.4				
			(S)	05 34.4				
MAY	20	USCGS	00 30 42, 36.5N, 138.1E, H = 56 Km, M = 4.1					
		HONSHU, JAPAN						
		LPB	EPKP	00 50 29				149.5
			EL	01 04 00				
		PNS	EPKP	00 50 29.6				
MAY	20	PNS	EP	01 00 48				1.9
			S	01 11.8				
MAY	20	USCGS	00 53 00, 43.0N, 0.3W, H = 33 Km, M = 4.2					
		PYRENEES						
		LPB	EP	01 05 36				86.0
			EL	34 00				
MAY	20	LPB	P	01 20 23				2.7
			S	20 55.2				
		PNS	P	01 20 23.7		0.5	4.2	
			S	20 57.6				
MAY	20	LPB	IP	01 44 41.5	D	1.2	23.3	
		PNS	IP	01 44 42.0	C	0.6	10.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	20	TRJ	P	01 50 46.7	C			2.7
			IS	51 19.1				
		LPB	EP	01 51 09.5				
		PNS	IP	01 51 13.7		0.4	6.4	
MAY	20	TRJ	P	02 04 30.0	C			
MAY	20	TRJ	P	02 34 21.5	C			3.3
			IS	35 00.1				
MAY	20	LPB	EP	03 00 28				3.3
			S	01 07.5				
		PNS	EP	03 00 30				
MAY	20	USCGS	02 53 47.4, 25.4N, 128.3E, H = 58 Km, M = 5.2					
		RYUKYU IS						
		PNS	PKP	03 13 46.0		1.3	30.8	
			I	14 30.4				
		LPB	PKP	03 13 46.5		1.0	24.0	162.0
			PKP2	14 32.2				
		TRJ	P	03 13 55.6				
MAY	20	PNS	EP	03 38 28.3				
			(S)	39 31.4				
		LPB	EP	03 38 30				
MAY	20	USCGS	05 22 58, 53.3N, 168.3W, H = 33 Km, M = 4.0					
		FOX IS, ALEUTIAN IS						
		LPB	P	05 37 22				109.3
			EL	06 14 00				
MAY	20	USCGS	06 41 05, 19.3S, 70.0W, H = 89 Km, M = 4.0					
		NR CST OF N CHILE						
		LPB	IP	06 41 56		1.2	10.9	3.6
			S	42 36.5				
		PNS	IP	06 41 57.2	D			
			S	42 37				
		TRJ	IP	06 42 23.3	C			
MAY	20	USCGS	07 46 34, 60.7S, 24.7W, H = 33 Km, M = 5.3					
		S SANDWICH IS REGION						
		TRJ	P	07 55 16.4	C			54.1
		LPB	EP	07 55 57				
		PNS	P	07 55 59.2	C	0.9	44.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	20	USCGS	09 14 49.2, 13.9N, 146.1E, H = 66 Km, M = 6.0					
		S OF MARIANA IS						
		PNS	PKP	09 34 25.6	D	1.4	120.9	
			IPKP2	34 36.0				
			I	44 44				
			E	57 00				
			L	10 24 22.3				
		LPB	PKP	09 34 26	D	1.5	166.0	147.1
			PP	37 27.5				
			ESKS	41 18				
			L	10 23.6				
		TRJ	IPKP	09 34 33.2	D			
MAY	20	LPB	P	09 49 10				
		PNS	P	09 49 10.4		0.3	4.1	2.1
			S	49 36				
MAY	20	USCGS	10 39 14, 20.3S, 113.4W, H = 33 Km, M = 4.6					
		EASTER IS CORDILLERA						
		LPB	EP	10 47 13				42.7
		PNS	EP	10 47 15.2		1.3	20.2	
MAY	20	CCH	P	11 40 11.2	D			
		LPB	EP	11 41 17				2.9
			S	41 52				
		PNS	P	11 41 20				
			S	41 55				
MAY	20	USCGS	11 44 29, 20.3S, 113.4W, H = 33 Km, M = 4.6					
		KOMANDARSKY IS REGION						
		LPB	EL	12 35 00				123.9
MAY	20	TRJ	IP	12 32 07.3	D			
		LPB	EP	12 32 12		0.9	9.0	5.1
			S	33 11.5				
		PNS	EP	12 32 14				
			I	32 15.5				
			IS	33 14.6				
MAY	20	LPB	EP	12 48 51				
		PNS	EP	12 48 53.4				
			S	50 05.4				
MAY	20	USCGS	12 34 16, 14.2N, 146.3E, H = 27 Km, M = 5.2					
		MARIANA IS						
		PNS	PKP	12 53 56		0.8	12.8	
		LPB	EPKP	12 53 58		1.2	26.0	146.0

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	20	TRJ	IP	13 40 43.4	D			
		LPB	P	13 41 36		0.8	2.8	6.9
			S	42 54.5				
		PNS	P	13 41 39.5		0.6	6.9	
			S	43 00.0				
MAY	20	PNS	P	14 18 46.4				1.6
			S	19 06				
MAY	20	PNS	EP	15 25 12				
			(S)	25 50.4				
MAY	20	PNS	P	15 39 29.1				1.8
			IS	39 51.0				
MAY	20	TRJ	IP	16 00 25.7	C			
		LPB	EP	16 01 03				
			(S)	01 35.5				
		PNS	P	16 01 06.0				
			(S)	01 30				
MAY	20	PNS	IP	16 18 03.4	C	0.2	9.1	1.8
			S	18 25.8				
MAY	20	PNS	P	16 37 57.4		0.6	10.9	3.6
			I	38 04.1				
			S	38 40				
MAY	20	PNS	P	17 04 17				
MAY	20	USCGS	18 02 41.4, 19.6N, 122.0E, H = 96 Km, M = 5.6					
		P. I. REGION						
		LPB	PKP	18 22 40.5	D	1.1	50.6	169.8
			PPKP	27 44				
			EL	19 22 00				
		PNS	IPKP	18 22 41.5	C	1.2	56.8	
			I	23 54.4				
			IPP	27 43.9				
		TRJ	PKP	18 22 44.5	D			
MAY	20	PNS	IP	18 30 09.9	D	0.3	10.2	1.6
			S	30 33.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	20	USCGS	18 13 50, 19.7N, 121.8E, H = 39 Km, M = 5.1					
		PHILIPPINE IS REGION						
		LPB	EPKP	18 33 15				171.0
			EL	37 00				
MAY	20	PNS	EP	19 21 53.5				3.2
			S	22 32				
MAY	20	USCGS	19 57 45, 50.3N, 129.6W, H = 47 Km, M = 3.9					
		VANCOUVER IS REGION'						
		LPB	EP	20 10 32				85.5
MAY	20	USCGS	20 09 02, 40.6N, 73.4E, H = 33 Km, M = 4.7					
		KIRGIZ SSR						
		LPB	EL	21 15 00				139.1
MAY	20	PNS	P	23 12 19.8				4.3
			S	13 00.4				
MAY	21	USCGS	23 58 51.7, 50.2N, 129.7W, H = 37 Km, M = 5.0					
		VANCOUVER IS REGION						
		PNS	EP	00 11 26		1.0	6.2	
		LPB	E(P)	00 11 29		1.0	8.0	85.5
			EL	39 00				
MAY	21	PNS	EP	01 50 27.6				1.8
			S	50 50.0				
MAY	21	LPB	EP	01 51 15				
			(S)	51 20.5				
		PNS	EP	01 51 21.4				
			(S)	51 47				
MAY	21	PNS	IP	01 54 53.0	D	0.5	13.3	
			IS	55 16.5				
		LPB	P	01 54 55.5				7.6
			S	55 21.5				
MAY	21	USCGS	02 44 37, 50. N, 129.5W, H = 33 Km, M = 4.3					
		VANCOUVER IS REGION						
		LPB	EP	02 57 15				85.5

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	21	USCGS	03 24 58, 30.9N, 42.1W, H = 33 Km, M = 4.1					
		N ATLANTIC RIDGE						
		PNS	EP	03 34 17.4		1.0	10.0	53.5
		LPB	EP	03 34 18				
			EL	50 00				
MAY	21	LPB	EP	05 38 50				2.4
		PNS	EP	05 38 52				
			S	39 20.6				
MAY	21	USCGS	07 44 20, 8.1S, 74.4W, H = 160 Km, M = 4.5					
		PERU-BRAZIL BOR REG						
		PNS	P	07 46 40.7	D	0.5	4.2	
			S	48 30.4				
			SS	48 55				
		LPB	P	07 46 46.2	D	0.8	21.0	10.3
			S	48 29.5				
		TRJ	P	07 48 02.2	D			
MAY	21	PNS	EP	09 28 22.9				2.5
			S	28 53				
MAY	21	PNS	IP	09 45 02.4	D	0.4	10.5	
			IS	45 25.7				
		LPB	P	09 45 05	D	0.7	9.8	2.8
			S	45 30				
MAY	21	TRJ	P	10 01 14.7	D			3.1
			IS	01 52.0	C			
MAY	21	USCGS	10 50 59.8, 20.9S, 175.3W, H = 75 Km, M = 5.1					
		TONGA IS						
		PNS	P	11 04 37		1.0	12.2	
MAY	21	TRJ	IP	14 02 08.1	C			
		LPB	IP	14 02 20	C	0.7	9.0	
			(S)	03 16				
		PNS	IP	14 02 23.3	C			
			(S)	03 20				
MAY	21	PNS	P	17 40 58.9		0.3	8.4	
			IS	41 27.8				2.3
		LPB	EP	17 40 59				
			S	41 27				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	21	TRJ	IP	17 44 31.2				
		PNS	P	17 45 27.2				
			(S)	46 43.6				
MAY	21	PNS	P	18 00 46				2.1
			S	01 10.7				
MAY	21	USCGS	17 43 14, 3.2N, 125.4E, H = 172 Km, M = 5.0					
		TALAUD IS						
		PNS	PKP	18 02 59.8				
MAY	21	USCGS	19 05 17, 5.3S, 153.2E, H = 81 Km, M = 4.5					
		NEW IRELAND REGION'						
		PNS	PKP	19 24 29.8				
		LPB	EPKP	19 24 30				133.3
MAY	21	TRJ	P	21 02 04.5	D			
MAY	21	USCGS	22 39 14.8, 19.1S, 169.5E, H = 238 Km, M = 5.0					
		NEW HEBRIDES IS						
		LPB	EPKP	22 57 21				113.0
MAY	22	LPB	P	01 04 59.8		0.8	18.2	3.1
			S	05 36.2				
		PNS	IP	01 05 01.4	D	0.5	10.6	
MAY	22	USCGS	02 52 12.7, 7.4S, 155.5E, H = 83 Km, M = 5.6					
		SOLOMON IS						
		LPB	IPKP	03 11 18.5	C	1.1	73.5	130.8
			I	11 27.5				
			PPKP	11 39.2				
			PKP	14 41.5				
			EL	54 00				
		TRJ	IPKP	03 11 21.8	D			
MAY	22	USCGS	03 25 20, 7.4S, 155.7E, H = 100 Km, M = 5.3					
		SOLOMON IS						
		LPB	PKP	03 44 24.5	D	1.0	24.0	130.7
			PKS	47 49.5				
			EL	04 27 00				
MAY	22	LPB	EP	05 47 17				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	22	TRJ	P	06 01 02.2	D			
		LPB	P	06 01 39.5		0.8	5.6	
MAY	22	USCGS	06 06 30, 21. N, 108.9W, H = 28 Km, M = 4.7					
			REVILLA GIGEDO IS REG					
		LPB	P	06 16 00		1.4	24.0	54.9
			EL	33 00				
MAY	22	USCGS	06 13 58, 21.3N, 108.7W, H = 33 Km, M = 4.1					
			REVILLA GIGEDO IS REG					
		LPB	P	06 23 26.8		1.0	8.0	54.9
			EL	44 00				
MAY	22	USCGS	07 42 50, 21.2N, 108.7W, H = 53 Km, M = 5.5					
			REVILLA GIGEDO IS REG					
		LPB	P	07 52 16.5		1.6	67.0	54.9
			PP	52 31				
			S	08 00 06				
			EL	08 00				
		TRJ	P	07 53 57.7				
MAY	22	USCGS	09 29 23, 21.1N, 108.7W, H = 48 Km, M = 5.2					
			REVILLA GIGEDO IS REG					
		LPB	P	09 38 50		1.4	24.0	54.9
MAY	22	TRJ	P	10 52 45.9	D			2.6
			S	53 16.9	D			
MAY	22	USCGS	16 14 06, 57.9N, 32.9W, H = 33 Km, M = 4.9					
			N ATLANTIC OCEAN					
		LPB	EP	16 26 18				79.6
MAY	22	LPB	EP	16 22 10				
MAY	22	USCGS	16 43 17, 36.7N, 140.7E, H = 53 Km, M = 4.6					
			NR E CST OF HONSHU, JAPAN					
		LPB	EPKP	17 02 58				147.7
			EL	54 00				
MAY	22	USCGS	18 03 46, 21. N, 108.7W, H = 33 Km, M = 4.5					
			REVILLA GIGEDO IS REG					
		LPB	EP	18 13 18				54.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	22	PNS	EP	21 12 40				
			ES	13 35.6				
MAY	22	USCGS	21 36 37, 6.4S, 147.0E, H = 110 Km, M = 4.7					
			E NEW GUINEA REGION					
		LPB	EPKP	21 55 55				138.2
MAY	22	USCGS	22 19 35, 51.9N, 174.9E, H = 33 Km, M = 4.9					
			NEAR IS ALEUTIAN IS					
		LPB	EL	23 17 00				119.8
MAY	23	USCGS	00 02 50, 7.4S, 155.8E, H = 111 Km, M = 5.4					
			SOLOMON IS					
		PNS	IPKP	00 21 52.1	C	1.0	26.9	
			E	25 18				
		LPB	PKP	00 21 52.5		1.0	20.0	131.0
			PKS	25 18				
			ES	42 00				
			EL	01 04 00				
MAY	23	LPB	EP	00 29 11				
MAY	23	USCGS	01 18 15, 21.1N, 108.8W, H = 52 Km, M = 4.3					
			REVILLA GIGEDO IS REG					
		LPB	EL	01 45 00				54.9
MAY	23	USCGS	01 25 58, 52.8N, 33.6W, H = 33 Km, M = 4.0					
			N ATLANTIC OCEAN					
		PNS	EP	01 37 41				
MAY	23	USCGS	01 28 53, 52.6N, 33.9W, H = 33 Km, M = 4.6					
			N ATLANTIC OCEAN					
		PNS	EP	01 40 33				
		LPB	EP	01 40 36				74.7
			EL	02 04 00				
MAY	23	USCGS	02 14 17, 20.4S, 173.6W, H = 33 Km, M = 4.6					
			TONGA IS					
		LPB	EL	03 01 00				97.7
MAY	23	LPB	EP	03 38 21				
		PNS	EP	03 38 22.7				
			E	38 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	23	TRJ	IP	04 37 51.7	C			
MAY	23	LPB	EP	04 51 14				
		PNS	IP	04 51 17.0	C	0.4	4.5	1.7
			S	51 38.8				
MAY	23	USCGS	06 06 00, 7.6N, 73.5W, H = 59 Km					
		N COLOMBIA						
		PNS	P	06 11 00.7				
			E	11 35				24.4
		LPB	EP	06 11 06				
			EL	17 00				
MAY	23	USCGS	05 58 55, 16. S, 174.5W, H = 33 Km, M = 4.8					
		TONGA IS						100.4
		LPB	EP	06 12 31				
			EL	45 00				
MAY	23	PNS	P	06 40 22.3		0.3	24.4	
		LPB	EP	06 40 24				
MAY	23	USCGS	07 05 07.7, 30.9N, 140.2E, H = 97 Km, M = 4.4					
		S OF HONSHU, JAPAN						150.4
		LPB	EPKP	07 24 44				
			EL	08 17 00				
		PNS	EPKP	07 24 47.5		0.9	9.6	
			I	24 56				
MAY	23	USCGS	07 05 50, 29.9N, 140.1E, H = 103 Km, M = 4.7					
		S OF HONSHU, JAPAN						
		PNS	IPKP	07 25 34.4		1.5	47.1	
			I	25 42.0				
		LPB	PKP	07 25 35		1.3	31.0	150.9
			EL	08 17 00				
MAY	23	USCGS	07 47 28, 16.6S, 173.2W, H = 33 Km, M = 4.8					
		TONGA IS						99.8
		LPB	EP	08 01 06				
			EL	34 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	23	USCGS	08 39 44.4, 30.0N, 139.8E, H = 28 Km, M = 5.5					
		S OF HONSHU, JAPAN						
		PNS	IPKP	08 59 32.2	D	1.5	85.2	
			I	59 37.7				
			IPKP2	59 46.2				
		LPB	PKP	08 59 33	D	1.6	73.0	151.0
			I	59 38				
			PPKP	59 43				
			PKP2	46.5				
			L	09 51.7				
		TRJ	EPKP	08 59 42.9				
MAY	23	PNS	EP	09 09 12		1.0	10.2	
		LPB	P	09 09 13				
MAY	23	LPB	EP	10 00 10				
		PNS	P	10 00 12.2		0.7	13.9	
			(S)	00 57.4				
MAY	23	TRJ	P	11 01 19.6				
		LPB	P	11 01 54.5		0.8	5.6	1.4
			S	02 13				
		PNS	P	11 01 58		0.9	8.2	
			(S)	02 53.4				
MAY	23	USCGS	11 51 30, 21.4N, 108.7W, H = 58 Km, M = 5.6					
		REVILLA GIGEDO IS REG						
		PNS	P	12 00 53.0		1.8	96.4	
			S	08 33				
			ESS	12 28				
			G	14 33				
		LPB	EP	12 00 55		1.7	65.0	54.9
			ES	08 34				
			EG	14.5				
			EL	18 00				
MAY	23	PNS	IP	13 30 06.5	D	0.4	4.3	2.3
			S	30 34				
		LPB	EP	13 30 15				
MAY	23	USCGS	14 22 32.5, 13.8N, 146.4E, H = 39 Km, M = 5.9					
		S OF MARIANA IS						
		LPB	EPKP	14 42 13	D	1.6	170.5	146.8
			PP	45 35				
			SS	15 03 30				
			L	30.5				
		PNS	PKP	14 42 13		1.2	22.0	
			PPKP	42 20				
		TRJ	PKP	14 42 19.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	23	PNS	P	15 04 23.4		0.3	3.3	0.6
			S	04 33.3				
		LPB	EP	15 04 24				
MAY	23	LPB	EP	15 36 20		1.0	12.1	
		PNS	EP	15 36 23				
			I	36 30.6				
MAY	23	PNS	P	16 38 38				
			(S)	39 14				
MAY	23	USCGS 18 00 16.4, 20.5S, 68.8W, H = 113 Km, M = 4.8 CHILE-BOLIVIA BOR REG						
		CCH	EP	18 01 17.8				
		TRJ	IP	18 01 19.6	C			4.0
		LPB	IP	18 01 20.5				
			PG	01 55				
			IS	02 07				
		PNS	IP	18 01 23.2	C			
			S	02 08				
MAY	23	LPB	EP	19 54 25				7.6
			S	55 51				
MAY	23	LPB	EP	20 54 38				
			S	54 08.5				
		PNS	P	20 54 41.8		0.6	12.5	2.2
			IS	55 08.5				
MAY	23	USCGS 20 45 47.5, 30.2N, 139.8E, H = 25 Km, M = 4.8 S OF HONSHU, JAPAN						
		PNS	PKP	21 05 40.0				
			I	05 48.0				
		LPB	PKP	21 05 41		1.0	20.0	151.0
			I	05 48.2				
			EL	57 00				
MAY	23	TRJ	EP	21 40 57.4				
			IS	41 30.5	D			
MAY	23	TRJ	IP	22 35 30.8				
		PNS	EP	22 36 15				
		LPB	EP	22 36 22				
			I	36 24.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	24	LPB	EP	01 32 11				
		PNS	P	01 32 12.6		0.4	3.7	2.3
			S	32 41.3				
MAY	24	LPB	P	01 55 03.5		1.1	25.2	
		PNS	P	01 55 05.3		0.4	3.4	6.3
			S	56 17.0				
		TRJ	P	01 55 08.9	D			
			IS	55 59.9	D			
MAY	24	TRJ	P	02 38 57.1	D			2.6
			S	39 28.1	D			
MAY	24	LPB	EP	02 59 56				
			ES	03 03 36				
		PNS	EP	03 00 13.0		0.4	8.1	
MAY	24	TRJ	P	03 06 12.7	C			
MAY	24	USCGS 05 49 06.3, 39.5N, 125.5W, H = 1 Km, M = 5.2 OFF CST OF N CALIFORNIA						
		PNS	EP	06 01 02.7		0.9	6.2	
		LPB	EP	06 01 04				77.1
MAY	24	PNS	P	06 40 44.8	C	0.4	8.4	
MAY	24	USCGS 07 19 32, 54.3S, 2.8E, H = 33 Km, M = 5.1 BOUVET IS REG						
		LPB	EP	07 30 15		1.4	24.0	66.4
			ES	39 04				
			EL	50.6				
		PNS	EP	07 30 15.8				
			S	39 04				
MAY	24	USCGS 07 35 07, 34.0N, 135.7E, H = 385 Km, M = 4.1 NR S C OF S HONSHU						
		LPB	EPKP	07 54 15				152.0
			EL	08 46 00				
		PNS	P	07 54 22				
			EPKS	57 10				
MAY	24	PNS	IP	08 05 30.4	D			
		LPB	IP	08 06 31		0.9	10.2	2.2
			S	06 57.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	24	PNS	P	09 33 04.5		0.5	6.3	
		LPB	EP	09 33 06				
MAY	24	USCGS	09 39 26, 37.4N, 22.1E, H = 34 Km, M = 4.9					
		S GREECE						
		LPB	EP	09 53 07				100.4
MAY	24	USCGS	11 09 26, 37.5N, 22.0E, H = 47 Km, M = 4.9					
		S GREECE						
		PNS	EP	09 23 08.9				100.4
		LPB	EL	11 58 00				
MAY	24	LPB	EP	14 01 51				3.9
			S	02 37.2				
		PNS	EP	14 02 11				
			(S)	03 19				
MAY	24	LPB	EP	15 00 27				1.9
			S	00 51.5				
		PNS	IP	15 00 27.6	D	0.4	12.2	
			S	00 51.6				
MAY	24	USCGS	15 29 12, 25.6S, 177.4W, H = 112 Km, M = 5.3					
		S OF FIJI IS						
		LPB	EL	16 16 00				99.3
MAY	24	USCGS	17 43 32.1, 34.9N, 24.8E, H = 45 Km, M = 4.9					
		CRETE						
		LPB	EL	18 33 00				102.8
MAY	24	LPB	EP	19 09 10				
MAY	24	USCGS	20 19 41, 21.3N, 108.7W, H = 57 Km, M = 4.9					
		REVILLA GIGEDO IS REG						
		PNS	P	20 29 05.0	C	0.6		54.6
		LPB	EP	20 29 06				
			EL	45 00				
MAY	24	PNS	EP	20 44 59				
		LPB	EP	20 45 00				
MAY	24	PNS	IP	20 47 22.6	D	0.7	5.8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	24	USCGS	20 51 03, 2.3S, 77.9W, H = 33 Km, M = 4.3					
		PERU-ECUADOR BOR REG						
		LPB	EP	20 54 52				17.0
			ES	57 33				
			EL	59 00				
		PNS	IP	20 54 56.9	D	1.0	9.2	
			I	21 00 43.3				
MAY	25	PNS	P	00 36 06.0				
MAY	25	PNS	EP	04 48 58				
		LPB	EP	04 49 00				
			(S)	49 23.5				
MAY	25	LPB	EP	08 07 05				2.2
			S	07 31				
		PNS	EP	08 07 10				
			S	07 35				
MAY	25	USCGS	08 28 58.6, 6.4S, 131.1E, H = 39 Km, M = 5.8					
		TANIMBAR IS REG						
		PNS	PKP	08 48 44.5	C	1.4	62.2	
			I	48 50.8				
		LPB	PKP	08 48 45.5	C	.13	47.5	150.
			I	48 51.1				
			I(SPKP)	49 07.5				
			EL	09 40.5				
MAY	25	PNS	P	08 55 25.5				2.
			S	55 52.5				
		LPB	EP	08 55 27				
MAY	25	USCGS	09 06 59, 40.5N, 19.9E, H = 33 Km, M = 5.3					
		ALBANIA						
		LPB	EP	09 20 40				99.
			EL	49 00				
MAY	25	PNS	IP	10 42 23.5	D			2.
			IS	42 48.0				
		LPB	IP	10 42 25.7	D	0.6	2.4	
			(S)	42 53				
MAY	25	PNS	P	11 54 45.0	C	0.6	7.4	
			(S)	55 35				
		LPB	EP	11 54 46				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	25	USCGS	12 07 04.8, 21.6S, 169.9E, H = 35 Km, M = 5.5					
		LOYALTY IS REG						
		LPB	EPKP	12 25 37				111.8
			ESS	42 35				
			EL	59 00				
MAY	25	LPB	EP	13 03 56				
			(S)	04 32				
		PNS	P	13 03 57.5		0.5	5.8	
			(S)	04 47				
MAY	25	CCH	EP	13 29 08.7				
MAY	25	USCGS	13 20 56.2, 52.9S, 160.0E, H = 33 Km, M = 6.6					
		MACQUARIE IS REG						
		LPB	EP	13 34 33				99.1
			SKS	45 14				
			PS	47 43				
			IG	14 03 02				
			L	07.4				
		PNS	EP	13 34 39.6		1.5	34.0	
			EPP	38 46				
			ISKS	45 22.0				
			E	45 34				
MAY	25	PNS	IP	13 59 17.5	D	0.9	10.4	
MAY	25	LPB	EP	14 08 09				
		PNS	IP	14 08 14	C	0.4	4.8	
MAY	25	PNS	P	14 34 04.0				3.5
			S	34 43				
MAY	25	USCGS	16 29 55, 17.6S, 70.9W, H = 44 Km, M = 4.1					
		NR C OF PERU						
		PNS	IP	16 30 37.0	C			
			S	31 12				
		LPB	IP	16 30 40.2	C	0.7	183.0	2.7
			IS	31 16.5				
MAY	25	PNS	P	16 36 07.4	C	0.6	18.2	
			S	36 11.3				
		LPB	P	16 36 12.6	C	1.0	30.0	5.9
			S	37 21				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	25	PNS	P	16 42 16.8	D	1.0	21.2	3.1
			S	42 54				
		LPB	EP	16 42 20				
MAY	25	PNS	EP	16 56 59.1				1.8
			S	57 22.4				
MAY	25	LPB	EP	18 22 55		0.8	10.5	
			ES	23 34				
		PNS	IP	18 23 00.0	D	1.9	62.8	3.1
			IS	23 37.0				
MAY	25	PNS	P	19 18 11.6				
			(S)	18 50				
MAY	25	USCGS	19 23 01, 27.8S, 71.2W, H = 33 Km, M = 4.4					
		C OF N CHILE						
		PNS	EP	19 25 46.6				
			ES	27 55				
		LPB	EP	19 25 54				11.6
			ES	27 50				
			EL	28.5				
MAY	25	USCGS	20 08 40, 23.1S, 66.3W, H = 219 Km, M = 4.3					
		JUJUY PROVINCE, ARGENTINA						
		LPB	P	20 10 16.2	C	0.7	50.0	6.7
			S	11 32.5				
		PNS	IP	20 10 21.4	C	0.9	56.9	
			S	11 40.0				
MAY	25	PNS	P	20 24 54				1.6
			S	25 15.8				
MAY	25	USCGS	22 49 47, 35.6N, 136.2E, H = 33 Km, M = 4.5					
		S HONSHU, JAPAN						
		LPB	EPKP	23 09 32				50.5
			EL	00 01 00				
		PNS	EPKP	23 09 33.3				
			I	09 38.6				
MAY	25	USCGS	23 21 28, 9.5S, 77.1W, H = 167 Km, M = 4.3					
		OFF C OF PERU						
		PNS	P	23 23 59.8				
			EPP	24 14.5				
			S	25 58				
		LPB	EP	23 24 03				11.1
			S	26 04				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	26	PNS	P	00 44 20.9		0.7	6.2	
MAY	26	PNS	IP	00 54 31.9	C			
			S	56 16				9.2
		LPB	IP	00 54 35.0				
			S	56 19				
MAY	26	PNS	P	01 24 54.7		0.5	9.4	1.7
			S	25 17.4				
MAY	26	LPB	EP	03 47 25				1.7
			S	47 46.8				
		PNS	P	03 47 25.0		0.8	4.9	
			S	47 47.2				
MAY	26	PNS	IP	04 16 36.3	D	0.6	9.2	
MAY	26	LPB	EP	05 55 05				
		PNS	EP	05 55 21				
MAY	26	PNS	EP	06 03 38				
			(S)	04 15.7				
MAY	26	LPB	P	06 43 14				
		PNS	IP	06 43 19.3	C	0.8	19.5	
MAY	26	PNS	P	06 50 58				1.8
			S	51 20				
MAY	26	LPB	EP	06 59 58				2.1
			S	07 00 23				
		PNS	IP	06 59 58.9	D	0.9	29.6	
			(S)	07 00 24				
MAY	26	LPB	EP	07 13 48				
		PNS	EP	07 13 53.8		1.0	24.1	
			ES	14 50				
MAY	26	USCGS	07 47 56, 32.0N, 41.1W, H = 33 Km, M = 4.6					
		N ATLANTIC RIDGE						
		LPB	P	07 57 25.4		0.9	15.3	55.4
			EL	08 15 00				
		PNS	P	07 57 26		1.8	48.8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	26	PNS	EP	09 35 41.8				
			S	36 22.8				
		LPB	EP	09 35 52				3.2
			S	36 30				
MAY	26	CCH	P	10 51 47.4	C			
MAY	26	USCGS	10 44 13, 10.8N, 151.0W, H = 95 Km, M = 4.5					
		KENAI PENINSULA ALASKA						
		LPB	EP	10 57 55				101.0
			EL	11 32 00				
MAY	26	USCGS	11 38 56, 5.6S, 151.5E, H = 50 Km, M = 5.4					
		NEW BRITAIN REGION						
		PNS	PKP	11 57 36.4	C	1.2	36.2	
		LPB	EL	12 43 00				135.1
MAY	26	PNS	EP	12 33 31.6				
MAY	26	USCGS	12 09 28, 46.8N, 152.6E, H = 35 Km, M = 4.6					
		KURILE IS						
		LPB	EPKP	12 28 43				135.1
			EL	13 10 00				
MAY	26	USCGS	14 47 46.1, 31.5S, 69.2W, H = 120 Km, M = 4.5					
		SAN JUAN PROVINCE, ARGENTINA						
		LPB	EP	14 51 15				14.8
			EL	55 00				
		PNS	P	14 51 16.4		1.7	36.5	
MAY	26	TRJ	P	15 10 21.6	D			
MAY	26	PNS	P	16 50 27.0		0.9	10.7	2.9
			S	51 01.4				
		LPB	EP	16 50 30				
MAY	26	LPB	EP	17 24 08				
			(S)	24 56.5				
		PNS	EP	17 24 38				
			E	24 40.7				
			I	24 55.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	26	USCGS FIJI IS REG	18 30 07.4, 21.2S, 176.9W, H = 230 Km, M = 5.4					
		LPB	EPKP	18 43 30				100.9
			EL	19 18 00				
		PNS	EPKP	18 43 32				
			EPP	47 38.5				
MAY	26	PNS	P	18 59 05.0	C	1.0	14.5	
		LPB	P	18 59 09	C	0.8	14.0	
MAY	26	USCGS NORTHERN CHILE	19 14 17, 24.1S, 69.8W, H = 83 Km, M = 4.2					
		TRJ	IP	19 15 31.3	D			7.8
		LPB	EP	19 16 08				
			S	17 28.5				
		PNS	EP	19 16 10				
			I	16 52.4				
			S	17 32.8				
MAY	26	LPB	EP	19 54 09		1.0	10.2	
		PNS	P	19 54 11.2				
MAY	26	USCGS RAT IS ALEUTIAN IS	20 49 34, 51.3N, 177.5E, H = 33 Km, M = 4.7					
		LPB	EPKP	21 08 25				118.3
			EL	45 00				
MAY	26	PNS	IP	21 17 51.8	C	1.0	22.1	2.3
			IS	18 20.2				
		LPB	EP	21 17 55				
			ES	18 22.5				
MAY	26	PNS	P	22 15 33.4		0.5	2.4	2.3
			S	16 02.3				
MAY	26	USCGS S OF FIJI IS	23 12 53, 25.4S, 179.7E, H = 525 Km, M = 4.6					
		PNS	EP	23 25 03.3				102.1
		LPB	EL	00 01 00				
MAY	26	LPB	EP	23 40 06				4.0
			S	40 54				
		PNS	EP	23 40 08.4				
			(S)	41 08.6				

MONTH	DAY	STA	PHASE	TIME			
MAY	27	PNS	P	00 44 55.8	0.6	1.	
MAY	27	LPB	P	02 13 34.5			2.0
			S	13 59			
		PNS	P	02 13 36.6	0.7	6.7	
			S	14 02.7			
MAY	27	PNS	EP	02 49 40.4			
MAY	27	PNS	P	03 12 53.3	0.6	3.2	2.0
			S	13 17.7			
MAY	27	LPB	P	03 40 13			
		TRJ	P	03 40 18.4	D		
		PNS	P	03 40 18.8			
MAY	27	USCGS N COLOMBIA	05 12 20, 6.8N, 72.9W, H = 170 Km, M = 4.4				
		PNS	P	05 17 16.2	0.7	10.9	
			IPP	17 49.6			
		LPB	P	05 17 16.7	0.8	8.4	23.6
			PP	17 51.5			
			EL	24 00			
MAY	27	TRJ	P	07 27 03.4	C		
			IS	27 33.1	D		
MAY	27	TRJ	IP	08 30 03.8	D		2.4
			IS	30 33.4	C		
MAY	27	LPB	EP	09 31 40			
		PNS	EP	09 31 40.4	1.8	20.5	
MAY	27	PNS	P	09 39 07.7	0.5	3.2	2.1
			S	39 33.4			
MAY	27	LPB	IP	10 03 03			2.3
			S	03 30			
		PNS	IP	10 03 05.7	D 0.6	22.3	
			(S)	04 32.7			
MAY	27	LPB	EP	10 29 32			4.0
			S	30 18.8			
		PNS	EP	10 29 35.4			
			E	30 18.7			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	27	LPB	IP	10 34 28.5				2.1
			S	34 53.5				
		PNS	IP	10 34 29.0	D	1.0	250.2	
			S	34 51.5				
MAY	27	LPB	EP	11 59 43				
			S	12 00 19				3.5
		PNS	P	11 59 46.2				
			S	12 00 27.4				
		TRJ	P	11 59 50.2	C			
			S	12 00 31.2	C			
MAY	27	USCGS 14 35 05, 27.4N, 96.5E, H = 51 Km, M = 4.8 BURMA-INDIA BOR REG						
		LPB	EL	15 50 00				162.1
MAY	27	LPB	EP	16 27 54				2.3
			S	28 21.5				
		PNS	EP	16 27 58				
			IS	27 20.0				
MAY	27	PNS	P	18 59 25.0	D	1.3	56.0	
		LPB	P	18 59 26		0.7	14.3	
MAY	27	USCGS 19 02 13, 82.4N, 7.0W, H = 33 Km, M = 4.4 N OF SVALBARD						
		LPB	EL	19 50 00				101.3
MAY	27	PNS	EP	20 11 14.2				
		LPB	P	20 11 17				
MAY	27	PNS	P	20 42 24.7				
MAY	27	PNS	P	21 07 13.0		0.8	3.2	2.9
			S	07 48				
MAY	27	LPB	EP	22 13 30				
MAY	27	USCGS 22 07 43.4, 51.4N, 178.5W, H = 33 Km, M = 5.2 ANDREANOF IS ALEUTIAN IS						
		LPB	EPKP	22 26 24				115.4
			EL	23 03 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	27	USCGS 22 14 14.1, 24.4N, 68.7E, H = 5 Km, M = 5.1 INDIA-W PAKISTAN BOR REG						
		LPB	EPKP	22 33 43				139.4
			ESS	54 18				
			EL	23 20 00				
		PNS	PKP	22 33 46.1		1.0	10.2	
MAY	28	USCGS 00 03 56.8, 24.4N, 122.5E, H = 33 Km, M = 5.7 TAIWAN REGION						
		LPB	IPKP	00 24 00.5	D	1.5	17.2	167.5
			PKP2	25 03.5				
			SS	49 13				
			EL	01.3				
		PNS	PKP	00 24 03		2.0	120.2	
			IPKP2	25 05.0				
MAY	28	PNS	EP	00 29 40.7				2.9
			S	30 15.3				
MAY	28	USCGS 02 09 53.9, 22.2S, 179.6W, H = 600 Km, M = 4.9 S OF FIJI IS						
		LPB	EPKP	02 22 48				102.7
			EL	58 00				
MAY	28	USCGS 02 22 14, 52.3N, 169.9W, H = 33 Km, M = 4.4 FOX IS ALEUTIAN IS						
		LPB	EL	03 14 00				110.3
MAY	28	TRJ	P	02 34 15.7	D			2.7
			S	34 48.4	D			
MAY	28	TRJ	IP	02 54 54.4	C			
			IS	55 26.5				
		LPB	P	02 55 25				
		PNS	IP	02 55 31.8	D	1.2	24.2	
MAY	28	LPB	EP	04 42 00				
		PNS	P	04 42 01.9				
MAY	28	USCGS 05 21 24, 36.8N, 138.0E, H = 18 Km, M = 4.5 HONSHU, JAPAN						
		LPB	EPKP	05 41 08				149.5
			EL	06 32 00				
		PNS	EPKP	05 41 13.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	28	USCGS	05 53 15.1, 23.8N, 125.1E, H = 12 Km, M = 5.2					
		SW RYUKYU IS						
		LPB	EPKP	06 13 21		1.0	8.0	165.7
			PPKP	13 31.5				
			EL	07 13 00				
		PNS	EPKP	06 13 21.9				
			EPPKP	13 26.6				
			I	13 59.5				
MAY	28	TRJ	P	06 12 59.2	C			
MAY	28	LPB	P	08 50 35				
		PNS	IP	08 50 35.9	D	1.0	36.2	1.9
			IS	50 58.9				
MAY	28	PNS	IP	10 45 32.7	C			
MAY	28	LPB	EP	11 46 19				
MAY	28	USCGS	12 24 47, 11.1S, 165.3E, H = 33 Km, M = 4.2					
		SANTA CRUZ IS						
		LPB	EPKP	12 43 21				119.7
			EL	13 21 00				
MAY	28	PNS	EP	13 21 11.1				4.5
			S	22 03.5				
		LPB	EP	13 21 15				
			(S)	22 04				
MAY	28	USCGS	14 58 46, 53.4S, 157.4E, H = 33 Km					
		MACQUARIE IS REG						
		LPB	EP	15 12 30				100.3
			EL	47 00				
MAY	28	PNS	EP	16 19 53		1.0	14.3	
		LPB	EP	16 20 05				
MAY	28	PNS	EP	16 40 01		1.0	12.3	
MAY	28	PNS	P	16 40 52				
MAY	28	LPB	P	16 42 20				
		PNS	P	16 42 27.5	D	0.8	6.6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	28	USCGS	17 57 33, 7.6N, 36.1W, H = 33 Km, M = 4.3					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	EP	18 05 04		1.5	36.5	40.0
			ES	11 10				
			EL	18 00				
		PNS	EP	18 05 05.1		1.5	56.6	
MAY	28	LPB	EP	19 43 18		0.6	6.0	
MAY	28	USCGS	20 35 29, 7. N, 35.0W, H = 33 Km, M = 4.6					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	EP	20 43 05		1.5	52.0	40.5
			EL	55 00				
		PNS	P	20 43 10.3		1.4	58.4	
			PP	43 19.1				
MAY	28	USCGS	21 50 12, 51.5N, 178.4W, H = 33 Km, M = 5.2					
		ANDREANOF IS ALEUTIAN IS						
		PNS	PKP	22 09 05.0		0.8	3.2	
		LPB	EL	22 45 00				115.4
MAY	28	USCGS	22 23 45.3, 4.4S, 153.4E, H = 122 Km, M = 5.4					
		NEW IRELAND REG						
		LPB	EPKP	22 42 50				133.8
			EL	23 27 00				
		PNS	EPKP	22 42 50				
MAY	29	PNS	EP	02 19 04.5				
		LPB	EP	02 19 05				
MAY	29	PNS	P	02 55 14.3		0.7	3.6	
MAY	29	TRJ	EP	04 29 39.9				
			S	30 11.9	C			
MAY	29	USCGS	05 07 33, 19.2S, 66.6W, H = 257 Km, M = 3.5					
		S BOLIVIA						
		CCH	IP	05 08 19.8	D			
		LPB	IP	05 08 26	C	0.8	35.0	3.1
			IS	09 08.2				
		TRJ	IP	05 08 29.5	D			
			IS	09 10.7	C			
		PNS	IP	05 08 34.5	C	0.9	32.2	
			IS	09 19.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	29	PNS	P	06 29 03.3		0.8	12.1	2.0
			S	29 28				
		LPB	P	06 29 03.3				
			(S)	29 56				
MAY	29	TRJ	IP	06 32 28.3	C			
MAY	29	LPB	IP	06 35 02.0		1.0	107.0	3.2
			IS	35 39.6				
		PNS	IP	06 35 07.7	C	1.1	59.3	
			S	35 40.8				
MAY	29	USCGS	06 46 34, 60.9N, 144.6W, H = 9 Km, M = 3.9					
		S ALASKA						
		PNS	EP	07 00 09.4				
		LPB	EL	07 34 00				97.8
MAY	29	PNS	P	09 29 21.3				1.9
			IS	29 44.0				
MAY	29	TRJ	IP	09 41 39.0	C			
		LPB	P	09 42 01.5		1.0	20.0	
		PNS	EP	09 42 07.9		1.2	21.3	
			E	42 25				
MAY	29	PNS	P	10 17 30.2		0.5	4.2	2.3
			S	17 58.7				
MAY	29	LPB	EP	10 52 16				
		PNS	EP	10 52 20.5				
			I	52 30.0				
MAY	29	CCH	P	12 38 22.4	D			
		PNS	EP	12 39 16.6				2.0
			S	39 41				
MAY	29	USCGS	13 44 32.9, 21.6S, 178.7W, H = 516 Km, M = 5.2					
		FIJI IS REG						
		LPB	EP	13 57 31				102.2
			ESKS	14 07 28				
			EL	34 00				
MAY	29	USCGS	15 20 54, 4.6S, 153.7E, H = 95 Km, M = 4.8					
		NE IRELAND REGION						
		LPB	EL	16 24 00				133.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	29	USCGS	16 34 17, 17.5S, 69.5W, H = 152 Km, M = 3.8					
		PERU-BOLIVIA BOR REG						
		LPB	IP	16 34 46.5	D	0.9	136.0	1.8
			S	35 10				
		PNS	IP	16 34 50.0	D			
			(S)	35 12				
		CCH	P	16 35 10.6	C			
		TRJ	IP	16 35 47.6	C			
MAY	29	LPB	EP	18 45 11				
		PNS	P	18 45 44.4	D	0.7	10.1	2.4
			S	46 13.7				
MAY	29	PNS	P	23 32 57.3	D	0.7	17.2	1.8
			S	33 20				
MAY	29	PNS	P	23 53 42		0.8	4.7	
MAY	30	TRJ	IP	00 01 41.0	D			
MAY	30	LPB	EP	00 37 19				
MAY	30	PNS	EP	01 10 01.3				
			(S)	13 10				
		LPB	P	01 10 07.5				
			ES	13 14				
MAY	30	PNS	EP	01 24 11.7				
MAY	30	TRJ	IP	01 25 51.4	D			
		LPB	EP	01 26 23		1.0	70.0	4.3
			S	27 13.6				
		PNS	P	01 26 50.1				
MAY	30	LPB	EP	02 17 48		0.9	5.2	
MAY	30	TRJ	P	02 57 51.4	C			3.7
			S	58 34.9	C			
		LPB	EP	02 58 55				
		PNS	EP	02 58 58.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	30	USCGS N COLOMBIA	03 09 34.4, 7.6N, 77.0W, H = 32 Km, M = 5.3					
		PNS	P	03 14 57.1	C			
			PP	15 37.4				
			ES	19 13.2				
		LPB	P	03 15 02	C	1.1	55.0	25.4
			PP	15 44.5				
			S	19 26				
			EL	22 00				
		TRJ	P	03 15 50.2	C			
MAY	30	TRJ	IP	04 14 16.1	C			
MAY	30	TRJ	IP	05 17 40.4	D			2.8
			S	18 13.1	C			
		LPB	EP	05 18 05				
		PNS	EP	05 18 35.2		0.9	3.2	
MAY	30	PNS	P	06 12 05.5		0.9	12.2	2.0
			S	13 30.0				
MAY	30	TRJ	P	08 03 50.6	D			2.6
			S	04 21.9	D			
MAY	30	PNS	IP	08 34 24.9	D	1.3	270.0	
			IS	34 48.5				
		LPB	P	08 34 28.5		0.7	9.0	2.1
			S	34 53.5				
MAY	30	PNS	P	10 12 10.1	C	0.7	8.2	
			IS	12 38.2				1.7
		LPB	P	10 12 14.5				
			S	12 46				
MAY	30	TRJ	IP	11 07 51.7	D			
			S	08 23.0				
MAY	30	PNS	P	12 56 55.9				1.8
			S	57 08.6				
MAY	30	TRJ	IP	14 31 08.3	D			
			IS	31 41.9	C			
		PNS	P	14 31 31.3	C	1.0	22.1	
			ES	32 24				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	30	TRJ	P	14 48 47.7	D			2.6
			S	49 18.8	C			
MAY	30	PNS	P	17 00 40.7		0.7	2.1	
MAY	30	PNS	EP	17 13 24				
		LPB	EP	17 13 39				
MAY	30	PNS	IP	18 23 03.4	D	0.5	8.2	2.1
			S	23 28.0				
MAY	30	PNS	EP	18 29 38				
			ES	30 12.5				
MAY	30	PNS	EP	18 48 14				
		LPB	EP	18 48 15				
MAY	30	USCGS TONGA IS	19 20 36, 15.2S, 174.1W, H = 74 Km, M = 4.6					
		LPB	EP	19 34 16				100.4
MAY	30	PNS	P	19 43 21.9		0.9	6.2	
MAY	30	USCGS CHILE-BOLIVIA BOR REG	22 31 09.7, 21.9S, 68.4W, H = 145 Km, M = 4.0					
		TRJ	IP	22 32 02.6	D			
		LPB	P	22 32 30		1.1	20.7	5.4
			I(PN)	32 52.6				
		PNS	P	22 32 31.0		1.5	50.2	
			ES	33 27.2				
MAY	31	TRJ	P	01 56 41.8	C			2.6
			S	57 13.7	C			
MAY	31	TRJ	IP	02 59 25.9	D			
		LPB	IP	03 00 05.5		1.0	128.0	
			(S)	00 24.5				
		PNS	IP	03 00 08.6	C	0.9	142.0	1.6
			S	00 29.3				
MAY	31	LPB	P	03 05 59	D	0.8	12.6	
		PNS	EP	03 05 59.5		1.4	15.8	
		TRJ	EP	03 06 08.1	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	31	USCGS	08 50 18.9, 8.4S, 74.3W, H = 154 Km, M = 4.9					
			PERU-BRAZIL BOR REG					
		PNS	P	08 52 34.5		0.9	2.2	
			ES	54 31.8				
		LPB	P	08 52 40.5		0.9	18.7	10.2
			S	54 34				
		TRJ	P	08 53 54.8	D			
MAY	31	PNS	P	11 02 08.1				
MAY	31	PNS	P	12 35 33		0.5	2.4	
		LPB	EP	12 35 35				
MAY	31	PNS	IP	13 07 08.8	D	0.7	18.9	2.1
			IS	07 34.3				
MAY	31	PNS	EP	14 34 11		1.5	16.2	
MAY	31	USCGS	15 36 21, 22.7S, 67.0W, H = 167 Km, M = 4.1					
			JUJUY PROVINCE, ARGENTINA					
		TRJ	IP	15 36 10.7	C			1.8
		LPB	EP	15 37 53				
			S	39 15				
		PNS	P	15 38 08.1		0.5	10.2	
			ES	39 33.7				
MAY	31	PNS	EP	16 43 58.5		1.0	6.9	
MAY	31	PNS	S	18 18 59.5				
MAY	31	TRJ	P	21 34 10.2	D			
			S	34 41.7	D			
MAY	31	PNS	IP	21 38 05.2	D	0.4	12.9	2.1
			S	38 29.4				
MAY	31	LPB	EP	22 56 13				2.4
			S	56 42.5				
		PNS	EP	22 56 20.7				
			S	56 54.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	1	PNS	IP	00 03 31.9	D	0.6	8.2	1.9
			S	03 55				
JUN	1	PNS	EP	00 29 11.2				
		LPB	EP	00 29 15		0.7	5.2	
			EL	37 00				
JUN	1	LPB	EP	00 35 32				
JUN	1	TRJ	IP	01 02 58.5	C			
JUN	1	PNS	P	01 10 57.7		0.5	9.3	1.9
			S	11 20.3				
JUN	1	PNS	P	02 14 23.4		0.9	7.2	
JUN	1	TRJ	P	02 48 40.0	D			
JUN	1	USCGS	02 33 56, 51.5N, 176.2E, H = 15 Km, M = 5.1					
			RAT IS ALEUTIAN IS					
		LPB	EPKP	02 52 45				118.9
			EL	03 30 00				
		PNS	EPKP	02 52 45.5				
JUN	1	CCH	(EP)	03 20 50.2				
JUN	1	LPB	P	03 22 10		0.9	8.5	
		PNS	EP	03 22 10.3		1.7	12.8	
JUN	1	PNS	EP	03 36 02		0.7	4.1	
		LPB	EP	03 36 08				
JUN	1	PNS	P	04 01 50.2		0.8	6.2	0.5
			S	01 59				
JUN	1	USCGS	03 48 49.2, 5.8S, 151.2E, H = 61 Km, M = 5.5					
			NEW BRITAIN REGION					
		PNS	PKP	04 08 06.3		1.5	18.8	
		LPB	EPKP	04 08 07				135.0
			EL	52 00				
		CCH	PKP	04 08 11.0	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	1	PNS	IP	04 15 06.6	C	0.7	7.2	0.5
			S	15 14.6				
		CCH	P	04 15 41.4	C			
JUN	1	LPB	EP	06 06 24				
		PNS	EP	06 06 33				1.9
			S	06 57				
		CCH	EP	06 06 53.1				
JUN	1	PNS	P	08 58 03.6		1.7	32.2	
		CCH	EP	08 58 28.8				
JUN	1	CCH	EP	09 03 33.8				
		PNS	IP	09 03 41.0	C	0.8	9.2	
JUN	1	PNS	EP	11 50 28.2				2.0
			S	50 52.8				
		CCH	EP	11 50 38.6				
JUN	1	USCGS	11 47 33.1, 23.4S, 174.9W, H = 24 Km, M = 5.9					
		TONGA IS REG						
		PNS	EP	12 01 11.3				
			PP	05 07.6				
		LPB	P	12 01 12		2.0	60.0	97.9
			ESS	19 33				
			EL	33.7				
		CCH	EP	12 01 34.2				
JUN	1	USCGS	12 18 15, 25.1S, 64.9W, H = 4 Km, M = 4.4					
		SALTA PROVINCE, ARGENTINA						
		TRJ	IP	12 19 15.7	C			
		CCH	EP	12 19 54.6				
		PNS	P	12 20 30.2	C	0.7	6.0	
			S	22 02.7				
		LPB	EP	12 20 33		0.7	6.5	9.3
			ES	22 04				
			EL	33 00				
JUN	1	USCGS	12 34 33.5, 15.2S, 167.2E, H = 93 Km, M = 5.6					
		NEW HEBRIDES						
		CCH	EPKP	12 53 03.9				
		LPB	EPKP	12 53 08				116.9
		PNS	EPKP	12 53 08.7				
JUN	1	CCH	EP	13 12 03.7				
JUN	1	CCH	IP	13 14 01.8	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	1	PNS	IP	13 29 49.2	D			
			IS	30 16.3				2.3
JUN	1	CCH	EP	13 45 41.6				
		TRJ	IP	13 45 47.8	D			
JUN	1	PNS	P	14 03 56.8		0.7	4.1	
JUN	1	PNS	EP	14 51 38				
			S	52 06				2.3
JUN	1	USCGS	15 27 48, 6.3S, 133.4E, H = 39 Km, M = 5.2					
		AROE IS REG						
		CCH	EPKP	15 47 19.2				
		LPB	EPKP	15 47 36				
		PNS	EPKP	15 47 36				149.0
JUN	1	PNS	P	17 10 54.4		0.6	17.1	
			S	11 23.4				2.4
JUN	1	PNS	EP	18 19 43.4				
			I	19 45.0				3.6
			S	19 25				
JUN	1	PNS	EP	19 42 21.6				
JUN	1	PNS	P	20 16 35.6		0.5	6.7	
			S	17 00				2.0
JUN	1	TRJ	P	22 28 22.7	C			
		PNS	P	22 28 58.2		0.6	6.8	
JUN	1	PNS	IP	22 34 07.6	D	0.3	13.5	
			IS	34 31.0				1.7
JUN	1	TRJ	IP	23 00 08.9	C			
		PNS	IP	23 00 58.2	D	1.0	25.2	
JUN	2	TRJ	IP	01 44 13.0	C			
JUN	2	TRJ	IP	02 33 56.3	D			
		PNS	IP	02 34 54.8	C			
			S	36 16.5		0.6	30.2	7.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	2	PNS	P	02 59 25.7				1.7
			S	59 47.3				
JUN	2	PNS	EP	03 13 28.5				
			E(S)	14 26				
JUN	2	USCGS	03 27 53.3, 51.1N, 176.0E, H = 41 Km, M = 6.0					
		ALEUTIAN IS						
		PNS	IPKP	03 46 39.5	C	1.3	30.2	
			PPKP	46 50.7				
			PP	48 03.7				
			PPP	50 35				
			SKS	53 40				
		TRJ	IPKP	03 46 50.9	D			
JUN	2	PNS	P	03 56 57.1				
JUN	2	PNS	IP	07 05 14.7	D	0.3	7.2	
			IS	05 38.7				
JUN	2	USCGS	07 08 08.4, 0.0, 123.2E, H = 185 Km, M = 5.8					
		N CELEBES						
		TRJ	IPKP	07 27 47.3	D			
		PNS	IPKP	07 27 51.2	C	1.4	120.9	
			IPPKP	28 32.0				
			PP	32 11.0				
JUN	2	TRJ	P	08 13 59.3				2.6
			IS	14 30.6	D			
JUN	2	TRJ	IP	09 30 54.2	C			
JUN	2	USCGS	12 07 54, 18.6S, 173.4W, H = 33 Km, M = 5.0					
		TONGA IS						
		PNS	EPKP	12 27 17.7				
		CCH	EP	12 27 52.7				
JUN	2	CCH	EP	13 39 03.4				
		PNS	EP	13 39 34.9				2.5
			S	40 05				
JUN	2	PNS	EP	13 53 48.3				
			E	53 28.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	2	PNS	EP	13 54 57.3				
JUN	2	CCH	EP	14 00 52.4				
JUN	2	PNS	EP	14 23 55				
JUN	2	TRJ	P	15 16 16.6	C			
JUN	2	PNS	P	15 41 11.8	C	1.3	51.8	
			E	42 49.2				
		CCH	P	15 41 25.1	C			
		TRJ	IP	15 42 49.5	C			
JUN	2	USCGS	17 05 38, 15.5S, 77.5W, H = 121 Km, M = 4.6					
		S PERU						
		PNS	IP	17 06 32.2	D	0.3	20.1	
		TRJ	P	17 07 44.3	D			
JUN	2	USCGS	16 53 56.6, 18.6S, 173.4W, H = 33 Km, M = 5.0					
		TONGA IS						
		PNS	IP	17 07 13.0				
		CCH	EP	17 07 55.9				
JUN	2	CCH	EP	17 45 25.6				
		PNS	EP	17 45 40.7				
JUN	2	USCGS	17 49 45.7, 14.1S, 75.8W, H = 61 Km, M = 4.3					
		NR CST OF PERU						
		PNS	P	17 51 34.4		1.5	31.4	
			S	52 54.0				
		TRJ	EP	17 52 45.2				
JUN	2	PNS	EP	18 27 26				3.6
			I	27 29.1				
			S	28 09.3				
JUN	2	PNS	P	19 24 45.9		0.6	8.2	
JUN	2	PNS	P	19 48 18.8		1.0	22.1	
		TRJ	IP	19 49 08.5	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	2	PNS	EP	20 33 35.3				2.1
			S	34 00.7				
JUN	2	PNS	P	21 26 10.8		0.6	3.8	
JUN	2	PNS	P	23 16 20.7		1.4	30.9	
JUN	3	PNS	EP	00 53 41.4				
			E	53 56.5				
JUN	3	TRJ	P	01 42 34.9	D			
JUN	3	PNS	EP	02 55 24.5				
JUN	3	USCGS N CHILE	04 41 31.2, 25. S, 70.3W, H = 56 Km, M = 4.4					
		TRJ	IP	04 43 02.8	C			
		PNS	EP	04 43 38				
			IPP	43 47.8				
			PPP	43 58.5				
			I	44 06.7				
JUN	3	PNS	EP	06 07 46.6				1.2
			S	08 02.2				
JUN	3	PNS	IP	07 50 06.8	C	0.4	2.4	3.7
			S	50 50.0				
		TRJ	EP	07 50 36.3				
JUN	3	PNS	IP	08 04 13.2	D	0.7	11.2	
JUN	3	USCGS SAN JUAN PROVINCE, ARGENTINA	10 42 58.1, 30.8S, 68.7W, H = 101 Km, M = 5.1					
		CCH	P	10 45 11.7	C			
		TRJ	IP	10 45 20.2	D			
		PNS	P	10 46 20.0	D			
			IPP	46 23.0				
			IS	47 46				
JUN	3	PNS	IP	14 02 46.9	D	0.6	13.9	1.8
			S	03 09.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	3	PNS	P	14 11 11.0		2.7	244.0	
		CCH	EP	14 11 24.2				
		TRJ	IP	14 11 49.2	C			
JUN	3	PNS	EP	14 54 24.2		0.5	4.1	1.8
			S	54 46.2				
JUN	3	PNS	P	14 56 38		1.6	25.2	
JUN	3	PNS	EP	16 39 43				
JUN	3	PNS	P	16 41 16.8		0.9	7.9	
			E	41 23.7				
			E(S)	42 01.6				
JUN	3	TRJ	P	16 51 25.0	C			1.6
			IS	51 44.6	D			
JUN	3	TRJ	P	16 56 35.6	C			
		PNS	EP	16 56 50.9				
			ES	58 14				
		LPB	P	16 56 53		0.8	12.6	
			(S)	58 06				
JUN	3	TRJ	IP	19 59 22.9	C			
JUN	3	USCGS MID ATLANTIC RIDGE	20 02 51, 7. N, 35.9W, H = 33 Km, M = 4.6					
		LPB	P	20 10 25.5		1.3	25.2	40.0
		PNS	P	20 10 26.7	C	0.3	16.3	
JUN	3	PNS	EP	21 46 12				5.5
			S	47 14.6				
JUN	3	PNS	IP	22 53 36	D	1.0	32.2	2.9
			S	54 10				
		LPB	EP	22 53 44				
			(S)	54 17				
JUN	4	PNS	P	00 21 01.1		0	2.8	2.7
			S	21 33				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	4	LPB	EP	01 47 19.2				
		PNS	EP	01 47 24				
JUN	4	PNS	IP	02 53 53.6	D	1.0	110.9	1.8
			S	54 15.7				
		LPB	P	02 53 55.5				
JUN	4	LPB	EP	03 52 48				
		PNS	IP	03 53 01.7	D	0.6	16.8	1.9
			IS	53 25.0				
JUN	4	PNS	IP	03 56 56.1	C	1.3	24.5	2.5
			S	57 26.7				
		LPB	EP	03 57 02				
		TRJ	P	03 58 09.2	D			
JUN	4	PNS	EP	04 08 09.2				
			(S)	09 02				
		LPB	EP	04 08 12				
JUN	4	USCGS	04 30 36.7, 22.5S, 71.7W, H = 33 Km, M = 4.1					
		OFF C OF N CHILE						
		TRJ	IP	04 32 15.3	D			
		PNS	EP	04 32 19.8				
			ES	32 35.7				
		LPB	EP	04 32 20				7.0
			ES	33 36.5				
JUN	4	USCGS	05 11 54.2, 36.3N, 70.8E, H = 207 Km, M = 5.7					
		HINDU KUSH REGION						
		TRJ	PKP	05 30 45.6				
		PNS	E(PKP)	05 30 48.7				
			PKP2	30 58.2				
		LPB	EPKP	05 30 53				138.5
			EL	06 17 00				
JUN	4	PNS	EP	05 42 50				
JUN	4	LPB	EP	07 05 19				
		PNS	IP	07 05 19.4	C	1.2	34.1	
JUN	4	LPB	EP	08 14 55				
		PNS	P	08 15 05	D	1.0	29.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	4	PNS	IP	08 15 33.8	D			
JUN	4	USCGS	08 35 15.4, 14.8S, 171.2E, H = 660 Km, M = 4.6					
		NEW HEBRIDES IS REGION						
		PNS	EPKP	08 54 55.7				
		LPB	EL	09 31 00				113.4
JUN	4	USCGS	10 04 38, 15.7S, 74.6W, H = 49 Km, M = 4.3					
		NEAR C OF PERU						
		PNS	EP	10 06 07.8				
			S	07 32.5				
		LPB	P	10 06 10				6.3
			S	07 35				
		TRJ	IP	10 07 09.5	D			
JUN	4	PNS	P	11 18 29.0		0.6	5.9	
JUN	4	USCGS	12 12 00, 19.9N, 107.8W, H = 33 Km, M = 4.3					
		JALISCO, MEXICO						
		PNS	EP	12 21 07.7				
			PP	21 14.9				
		LPB	EP	12 21 15				53.0
			EL	37 00				
JUN	4	PNS	EP	13 11 18		1.9	68.9	
		LPB	EP	13 11 24				
JUN	4	USCGS	14 12 53, 13.2N, 90.1W, H = 48 Km, M = 4.4					
		NR CST OF GUATEMALA						
		PNS	P	14 19 53.3		2.0	50.0	
		LPB	EP	14 19 56				36.9
			ES	24 43				
			EL	31 00				
		TRJ	P	14 20 45.3	D			
JUN	4	USCGS	14 48 09, 15.8S, 74.4W, H = 40 Km, M = 4.3					
		NR COAST OF PERU						
		PNS	IP	14 49 36.6		1.2	38.6	
			I	49 39.5				
			S	50 47.3				
			ISSS	53 18				
		LPB	EP	14 49 44				6.2
			ES	50 46				
		TRJ	IP	14 50 39.0	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	4	TRJ	IP	15 18 35.7	C			
JUN	4	PNS	EP	15 23 35				
JUN	4	USCGS	18 07 00.8, 20.1S, 69.4W, H = 99 Km, M = 4.8					
		N CHILE						
		LPB	IP	18 08 01				4.4
			S	08 44.2				
		PNS	IP	18 08 01.8	C	1.3	558.0	
		TRJ	IP	18 08 09.8	C			
JUN	4	PNS	EP	21 06 55.8				
			(S)	07 52				
		LPB	EP	21 07 49.5				
JUN	4	LPB	P	21 29 23.5				
		PNS	IP	21 29 27.8	C	0.9	17.2	5.9
			S	30 36.2				
JUN	4	LPB	EP	21 46 03				6.8
			S	47 20.5				
		PNS	P	21 46 05.3		1.2	32.2	
			IS	47 28.3				
JUN	4	USCGS	21 38 16.3, 29.9S, 178.8W, H = 214 Km, M = 4.2					
		KERMADEC IS REG						
		PNS	P	21 51 26.3		0.7	3.8	
JUN	4	USCGS	23 48 17.8, 46.5N, 152.5E, H = 27 Km, M = 5.9					
		KURILE IS						
		PNS	PKP	00 07 36.6	C	3.0	906.0	
			I	07 52.7				
			PKS	11 05				
		LPB	PKP	00 07 37.7	C	1.9	190.0	135.0
			E	07 53				
			PKS	11 10				
			SS	28 22				
			EL	52 00				
JUN	5	USCGS	00 53 00, 6.5S, 81.3W, H = 33 Km, M = 4.5					
		N PERU						
		PNS	IP	00 56 49.8	C	1.0	46.2	
		PB	IP	00 56 54.5	D	1.0	48.0	15.2
			EL	01 41 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	5	USCGS	02 53 11.7, 31.3S, 68.9W, H = 123 Km, M = 4.3					
		SAN JUAN PROVINCE, ARGENTINA						
		LPB	P	02 56 36.5		1.0	8.0	14.3
		PNS	P	02 56 38.8		1.0	13.1	
JUN	5	PNS	IP	03 38 21.5	D	0.6	22.2	1.7
			IS	38 43.7				
		LPB	P	03 38 23				
JUN	5	LPB	EP	03 48 47		1.1		
JUN	5	PNS	EP	04 07 36.8				
			I	07 54.4				
JUN	5	USCGS	04 17 32.3, 17.3S, 70.6W, H = 126 Km, M = 4.2					
		CST OF PERU						
		PNS	IP	04 18 10.5	C			
		LPB	IP	04 18 14	C	0.7		2.4
			S	18 43				
		TRJ	IP	04 19 13.2	D			
JUN	5	USCGS	04 49 53, 24.7N, 122.3E, H = 33 Km, M = 4.7					
		TAIWAN REGION						
		LPB	EPKP	05 09 11				158.3
			EL	06 05 00				
JUN	5	PNS	EP	05 35 13.5				
JUN	5	PNS	IP	06 39 38.0	D	0.4	6.8	
			(S)	40 02				
JUN	5	LPB	EP	07 03 30				
		PNS	P	07 03 35.8				2.0
			S	04 00				
JUN	5	TRJ	P	07 28 29.8	C			2.7
			IS	29 02.3	C			
JUN	5	LPB	EP	09 04 26				
		PNS	EP	09 05 07.6				3.2
			S	05 45				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	5	USCGS	11 21 41, 0.3N, 122.0E, H = 147 Km, M = 5,5					
		N CELEBES						
		PNS	EPKP	11 41 24				
		LPB	EPKP	11 41 30				163.1
JUN	5	PNS	IP	12 18 46.0	D			
JUN	5	PNS	EP	13 39 34.8				4.3
			S	40 24.8				
		LPB	EP	13 39 39				
JUN	5	PNS	P	15 55 29.9				4.6
			S	56 23.7				
JUN	5	TRJ	EP	16 47 44.4	C			3.2
			S	48 22.5				
JUN	5	PNS	EP	16 51 13.9				2.6
			S	51 45				
		LPB	EP	16 51 15				2.5
			S	51 45				
JUN	5	PNS	EP	17 02 01				
JUN	5	PNS	EP	18 32 07				
			S	33 02.3				
		LPB	P	18 32 19		0.6	14.4	4.9
			S	33 16				
JUN	5	USCGS	18 52 05, 19.8N, 109.0W, H = 33 Km, M = 4.4					
		REVILLA GIGEDO IS REG						
		PNS	P	19 01 26.8		1.0	10.2	
		LPB	EP	19 01 30				540.0
			EL	18 00				
JUN	5	USCGS	19 03 10, 9.7S, 70.6W, H = 608 Km, M = 4.6					
		PERU-BRAZIL BOR REG						
		PNS	P	19 05 00.5	C	0.4	19.8	
			IS	06 29.0				
		LPB	EP	19 05 02				7.2
			ES	06 33				
JUN	5	USCGS	20 52 01, 37.2N, 22.1E, H = 33 Km, M = 4.4					
		S GREECE						
		LPB	EP	21 05 45				100.2
			LL	40 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	5	TRJ	IP	21 12 04.5	D			
		LPB	P	21 12 43.5		0.8	15.4	4.3
			S	13 32.5				
		PNS	P	21 12 45.3	D	0.6	10.1	
			S	13 34.3				
JUN	5	PNS	EP	23 11 45.2				
			I	11 53.0				
			S	12 40.0				
		LPB	EP	23 11 56		0.4	9.6	5.0
			S	12 54				
JUN	6	LPB	EP	10 23 48				
			S	24 19.5				
		PNS	IP	01 23 49.0	C	0.3	6.6	2.6
			IS	24 20.3				
JUN	6	PNS	EP	01 53 17				
JUN	6	USCGS	01 45 45.5, 14.9S, 167.8E, H = 37 Km, M = 5.5					
		NEW HEBRIDES IS						
		PNS	PKP	02 04 27.7		1.0	12.6	
			PPKP	05 33				
		LPB	PKP	02 04 28.2		0.9	8.5	116.9
JUN	6	TRJ	P	04 01 22.0				2.8
			S	01 55.2				
JUN	6	PNS	P	05 12 46.2	D	0.3	6.6	2.1
			S	13 11.5				
JUN	6	LPB	EP	06 30 08				
		PNS	EP	06 30 11.3				
JUN	6	USCGS	07 46 16.2, 36.3N, 71.2E, H = 225 Km, M = 6.3					
		AFGHANISTAN-USSR BOR REG						
		TRJ	IPKP	08 05 05.6	C			
		LPB	EPKP	08 05 06				139.5
			E	06 11				
			PP	08 10				
			PKS	08 55				
			SKS	12 10				
			SS	26 23				
			EL	51 00				
		PNS	EPKP	08 05 08.4		0.6	2.8	
			I	05 19.3				
			PPKP	08 12				
			PKS	08 55.8				
			SKS	12 11.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	6	TRJ	IP	08 34 21.5	C			
			IS	34 54.8				
		PNS	IP	08 34 41.5	C	0.6	22.2	5.9
			S	35 49.4				
		LPB	P	08 34 47.5	C	0.7	13.0	
JUN	6	LPB	EP	09 22 42				
JUN	6	USCGS	09 25 17, 23.5S, 111.9W, H = 33 Km, M = 4.7					
		EASTER IS REGION						
		PNS	IP	09 33 03.0	C	1.8	200.0	
			I	33 10.2				
		LPB	P	09 33 05		1.7	72.0	41.7
			ES	39 13				
			EL	45 00				
		TRJ	P	09 33 16.7	C			
JUN	6	USCGS	09 56 33.4, 30.6S, 69.3W, H = 109 Km, M = 4.8					
		CHILE-ARGENTINA BOR REG						
		TRJ	IP	09 58 51.0	C			
		LPB	P	09 59 48				13.9
			S	10 02 03.5				
		PNS	P	09 59 50.5		0.5	3.5	
			I	59 54.6				
			S	10 02 04.3				
JUN	6	PNS	EP	14 25 07.9				
JUN	6	PNS	P	16 39 55.1				
JUN	6	PNS	IP	19 48 09.0	C	0.3	8.7	
		LPB	EP	19 48 09.6				
JUN	6	USCGS	20 47 11.5, 9.6N, 126.4E, H = 45 Km, M = 5.7					
		MINDANAO P. I.						
		PNS	IPKP	21 07 14	C	1.9	230.0	
			I	07 45.6				
			PKP2	08 13.3				
			PP	11 45.5				
			SKKS	18 40.5				
		LPB	PKP	21 07 14.5		1.6	116.0	164.4
			PKP2	08 13				
			PP	11 45				
			EL	22 06 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	6	USCGS	23 07 30, 9.7N, 126.6E, H = 45 Km, M = 5.3					
		MINDANAO P. I.						
		PNS	EPKP	23 27 33.6		1.8	47.0	
			EPPKP	27 43.2				
			E	28 32.5				
		LPB	EPKP	23 27 34				163.2
			EL	00 24 00				
JUN	6	USCGS	23 16 33, 9.5N, 126.5E, H = 45 Km, M = 5.2					
		MINDANAO P.I.						
		LPB	EPKP	23 36 37				163.1
		PNS	PKP	23 36 37.2		1.5	35.2	
JUN	6	USCGS	23 36 32, 9.7N, 127.0E, H = 45 Km, M = 5.3					
		MINDANAO P.I.						
		PNS	PKP	23 56 35.8				
		LPB	EPKP	23 56 36				164.2
			EL	00 54 00				
JUN	7	PNS	IP	00 08 11.7	D	0.3	6.6	1.8
			S	08 33.9				
JUN	7	USCGS	23 59 16, 9.6N, 126.4E, H = 45 Km, M = 5.4					
		MINDANAO P.I.						
		LPB	EPKP	00 19 20				164.2
		PNS	PKP	00 19 20				
JUN	7	USCGS	00 59 46.6, 15.0S, 75.8W, H = 45 Km, M = 5.4					
		NR C OF PERU						
		PNS	P	01 01 32	C			
			I	01 35.4				
		LPB	P	01 01 38	C	1.3	700.0	7.8
			ES	02 40				
		TRJ	IP	01 02 39.2	D			
JUN	7	USCGS	01 20 10, 14.9S, 76.0W, H = 68 Km, M = 4.3					
		NR C OF PERU						
		PNS	P	01 21 57.2		1.2	90.1	
			S	23 29.0				
		LPB	EP	01 22 03				7.9
			S	23 34				
JUN	7	PNS	EP	01 58 03.2				
			E(S)	02 00 28				
		LPB	EP	01 58 12				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	7	TRJ	P	02 10 32.3	C			
		PNS	EP	02 11 06.4				
		LPB	EP	02 11 16				
JUN	7	PNS	EP	02 59 41.8				
			S	03 01 22.4				
		LPB	EP	02 59 47				8.9
			S	03 01 29.5				
JUN	7	USCGS	03 24 17.2, 15.1S, 15.9W, H = 42 Km, M = 4.9					
		NR C OF PERU						
		PNS	P	03 26 03.8				5.7
			I	26 06.5				
			S	27 09.9				
		LPB	P	03 26 11	C	1.4	236.0	7.2
			S	27 18				
		TRJ	IP	03 27 08.9	C			
JUN	7	PNS	P	03 50 04.0				1.8
			S	50 26.2				
JUN	7	PNS	P	04 01 29.2		0.6	3.5	5.8
			S	02 36.2				
		LPB	EP	04 01 33				
			(S)	02 34.8				
JUN	7	PNS	EP	04 50 17.3		0.7	8.2	
		LPB	EP	04 50 24				
JUN	7	PNS	EP	04 58 45.4				
		LPB	EP	04 59 18				
JUN	7	LPB	EP	05 20 23				
		PNS	EP	05 20 29.5				3.6
			S	21 11.7				
JUN	7	LPB	P	05 37 45		0.7	10.4	2.5
			S	38 15.5				
		PNS	EP	05 37 53				
			S	38 28				
JUN	7	PNS	EP	06 45 46.4				
			(S)	46 00				
		LPB	EP	06 46 02				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	7	PNS	P	06 58 27.8		0.5	4.5	
			S	07 01 21.2				
		LPB	EP	06 58 33		1.1	13.8	15.6
			S	07 01 25				
		TRJ	P	06 59 31.6	C			
JUN	7	PNS	EP	07 03 50.8				4.7
			S	04 45.4				
JUN	7	PNS	EP	08 01 04				5.3
			E	01 32				
			S	03 04.7				
		LPB	EP	08 01 06				
JUN	7	PNS	EP	08 17 08.0				
		LPB	EP	08 17 15.5				
JUN	7	LPB	P	08 43 48.5		1.2	15.6	
		PNS	P	08 43 52.4		1.1	17.9	
JUN	7	TRJ	P	08 49 47.9				3.4
			S	50 28.0				
JUN	7	USCGS	09 18 58.6, 25.5N, 122.3E, H = 241 Km, M = 5.1					
		TAIWAN REGION						
		LPB	EPKP	09 39 06				166.7
JUN	7	PNS	EP	11 43 29.0				
			S	44 58				
		LPB	EP	11 43 33				8.1
			S	45 05				
JUN	7	USCGS	11 44 51.5, 24.2N, 122.5E, H = 41 Km, M = 5.7					
		TAIWAN REGION						
		LPB	EPKP	12 04 52	C	1.2	60.0	167.9
			PPKP	05 09.2				
			EL	13 03 00				
		PNS	IPKP	12 04 56.8	C	1.2	50.4	
			PPKP	05 09.4				
			IPKP2	05 59.1				
		TRJ	PKP	12 05 00.4	C			
JUN	7	PNS	P	12 14 17.8		0.5	3.6	3.1
			S	14 54.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	7	PNS	EP	12 15 44				
		LPB	EP	12 15 58				
			(S)	17 46.5				
JUN	7	PNS	EP	12 50 35				
JUN	7	USCGS	13 59 36, 11.3N, 139.6E, H = 50 Km, M = 6.5					
		W CAROLINE IS						
		PNS	IP	14 19 24.6	C	1.0	46.2	
			PKS	22 10				
			PP	23 23				
		LPB	IPKP	14 19 25.0	C	1.0	36.0	143.1
			PKS	22 13				
			PP	23 21				
			SS	42 19				
			G	15 01.8				
			EL	08 00				
		TRJ	IPKP	14 19 26.7	C			
JUN	7	PNS	EP	14 56 10.3				
JUN	7	USCGS	15 14 42.1, 15.1S, 75.8W, H = 51 Km, M = 4.8					
		NR C OF PERU						
		PNS	EP	15 16 27.4				
			I	16 30.2	D			
			S	18 04.0				
		LPB	EP	15 16 34	C	1.3	280.0	7.9
		TRJ	IP	15 17 34.9	C			
JUN	7	PNS	EP	15 40 59				4.3
			S	41 50				
JUN	7	LPB	EP	16 02 54				4.8
			S	03 50				
		PNS	IP	16 03 42.7	C			
JUN	7	PNS	EP	19 10 09.8		0.7	5.2	
			S	11 56				
		LPB	EP	19 10 16				
			(S)	11 57				
JUN	7	USCGS	19 05 47.4, 21.4S, 179.3W, H = 606 Km, M = 5.2					
		FIJI IS REG						
		LPB	EP	19 18 36				103.2
			EL	53 00				
		PNS	EP	19 18 45		1.0	10.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	7	TRJ	IP	20 02 45.2	C			
		LPB	P	20 03 40.5	D	0.8	19.6	
		PNS	P	20 03 44.0		0.4	14.5	7.8
			S	05 12.7				
JUN	7	PNS	EP	20 27 01				
JUN	7	USCGS	22 18 57.4, 5.7S, 105.5E, H = 40 Km, M = 5.3					
		SUNDA STRAIT						
		LPB	EPKP	22 38 55				156.9
			EL	23 33.4				
		PNS	EPKP	22 38 55.4				
			PKP2	38 26.5				
JUN	7	PNS	IP	23 14 02.1	D			
			IS	14 24.2				
		LPB	P	23 14 03	D	0.8	28.0	2.0
			S	14 27				
JUN	8	PNS	IP	00 53 43.5	D			
			S	54 10.3				
		LPB	P	00 53 44.5	D	0.9	20.4	2.2
			S	54 11				
JUN	8	TRJ	P	02 30 14.0	C			
JUN	8	USCGS	03 42 13.7, 7.7S, 158.9E, H = 55 Km, M = 5.1					
		SOLOMON IS						
		LPB	EPKP	04 01 15		1.0	4.0	127.6
		PNS	EP	04 01 15				
JUN	8	PNS	IP	05 20 20.1	D			
			S	20 44.4				
		LPB	IP	05 20 22.9	D	0.8	26.6	2.2
			S	20 50.5				
JUN	8	USCGS	06 24 26, 46.3N, 152.3E, H = 33 Km, M = 4.5					
		E KURILE IS						
		PNS	EPKP	06 43 45.6				
		LPB	EPKP	06 43 46				135.4
			EL	07 30 00				
JUN	8	PNS	EP	06 52 51.5		0.8	10.2	
			ES	54 30.5				
		LPB	EP	06 52 53				
			ES	54 33				
		TRJ	P	06 53 56.9	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	8	TRJ	P	08 11 41.7	D			2.7
			S	12 14.3				
JUN	8	TRJ	IP	09 21 27.7	D			2.6
			S	21 58.6				
JUN	8	PNS	IP	10 16 33.7	D	0.3	3.6	1.8
			S	16 57.0				
JUN	8	TRJ	IP	10 17 58.5	D			3.2
			S	18 36.5				
JUN	8	USCGS	10 46 05, 23.1N, 120.9E, H = 33 Km, M = 5.0					
		E TAIWAN						
		LPB	EPKP	11 06 10				168.8
			EL	12 06 00				
		PNS	EPKP	11 06 12.4				
JUN	8	LPB	P	11 57 48	D	0.8	23.8	7.3
			S	59 11.5				
		PNS	P	11 57 51.4	C	0.8	12.6	
			S	59 15.8				
		TRJ	IP	11 57 52.9	C			
JUN	8	PNS	EP	13 23 14.8				
			ES	23 50.4				
JUN	8	USCGS	14 56 54, 15.2S, 75.8W, H = 39 Km, M = 4.4					
		NR C OF PERU						
		PNS	P	14 58 40.4				
			S	15 00 21				
		LPB	EP	14 58 47.5	D	1.4	304.0	7.3
			S	15 00 26				
			L	01.7				
		TRJ	IP	14 59 46.5	C			
JUN	8	USCGS	15 02 02.6, 23.0S, 66.3W, H = 233 Km, M = 4.6					
		JUJUY PROVINCE, ARGENTINA						
		TRJ	IP	15 02 47.1	D			
		LPB	IP	15 03 41	D	0.8	26.6	6.9
			ES	05 31				
		PNS	IP	15 03 44.9	D	0.6	49.0	
			I	05 03.0				
			S	05 34.8				
JUN	8	TRJ	IP	15 11 22.1	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	8	TRJ	IP	15 11 22.1	D			
JUN	8	LPB	EP	19 33 50				
		PNS	EP	19 33 51.9				
JUN	8	LPB	E(P)	19 34 15				
			S	34 46				
JUN	8	USCGS	19 56 21.3, 53.1N, 171.1E, H = 20 Km, M = 5.4					
		NEAR IS, ALEUTIAN IS						
		PNS	EP	20 15 15				
		LPB	EPKP	20 15 17				121.0
			EL	20 55 00				
JUN	8	PNS	EP	21 04 28.4				
JUN	8	PNS	EP	21 14 30.1				2.0
			S	14 54.0				
JUN	8	PNS	EP	21 41 08				
		LPB	EP	21 41 09				1.6
			S	41 29				
JUN	8	USCGS	21 35 57.4, 34.4N, 138.9E, H = 33 Km, M = 4.7					
		NR S CST OF HONSHU, JAPAN						
		PNS	EP	21 55 43		0.9	2.8	
		LPB	EPKP	21 55 44				148.8
			EL	47 00				
JUN	8	TRJ	P	22 09 21.6	C			
JUN	8	PNS	EP	22 21 19		1.5	20.2	
JUN	8	USCGS	23 11 19, 19.7S, 69.3W, H = 122 Km, M = 4.1					
		N CHILE						
		LPB	IP	23 12 12.8	C	0.6	13.0	1.8
			IS	12 52				
		PNS	IP	23 12 14.8	C	0.4	28.4	
			S	12 52.5				
		TRJ	IP	23 12 32.5	C			
JUN	8	PNS	EP	23 42 09				3.5
			S	42 51				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	9	USCGS	00 12 12.1, 7.6N, 94.1E, H = 55 Km, M = 5.3					
		NICOBAR IS REG						
		TRJ	PKP	00 32 09.1	C			
		LPB	EPKP	00 32 13		1.4	56.0	160.5
			PPKP	32 25.5				
			PKP2	32 55.5				
			EL	01 27 00				
		PNS	EPKP	00 32 13.8		1.5	65.2	
			PKP2	32 54.9				
			I	33 06				
JUN	9	PNS	EP	01 50 14.8				
		LPB	EP	01 50 15				
JUN	9	PNS	EP	02 06 24				
JUN	9	USCGS	01 57 38, 45.0N, 146.4E, H = 160 Km, M = 4.9					
		KURILE IS						
		LPB	EPKP	02 17 10				139.7
			EL	03 04 00				
JUN	9	PNS	P	02 20 08.0		1.3	24.9	
		LPB	EP	02 20 09		1.0	10.0	
JUN	9	USCGS	02 59 49.9, 30.9S, 70.0W, H = 171 Km, M = 4.0					
		CHILE-ARGENTINA BOR REG						
		TRJ	EP	03 02 20.4				
		LPB	EP	03 03 07		1.0	10.0	13.9
		PNS	EP	03 03 09.6		0.9	10.2	
			E	06 59.8				
JUN	9	PNS	EP	03 31 06				
		LPB	EP	03 31 13				
JUN	9	PNS	P	04 16 49.7				2.0
			S	17 13.5				
JUN	9	PNS	P	04 29 51				2.9
			S	30 25.5				
JUN	9	TRJ	P	05 30 03.8	C			2.6
			S	30 34.4				
JUN	9	PNS	EP	06 08 35.5				8.2
			S	10 08.7				
		LPB	EP	06 08 37				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	9	USCGS	06 57 52, 85.3N, 92.9E, H = 33 Km, M = 4.9					
		N OF SEVERNAYA ZEMLYA						
		PNS	EPKP	07 16 37				
		LPB	EPKP	07 16 40				113.0
JUN	9	LPB	P	07 30 38.5		1.0	12.0	
		PNS	P	07 30 40.6				
JUN	9	USCGS	07 15 06, 85.0N, 93.9E, H = 33 Km, M = 4.5					
		N OF SEVERNAYA ZEMLYA						
		LPB	EPKP	07 33 44				13.2
JUN	9	LPB	EP	07 58 54				1.8
			S	59 16.5				
		PNS	EP	07 59 06				
			(S)	59 26				
JUN	9	PNS	P	09 25 05.8		0.5	3.0	
JUN	9	TRJ	IP	09 52 44.4	D			2.7
			IS	53 16.5	D			
JUN	9	USCGS	11 21 16, 30.N, 142.1E, H = 35 Km, M = 4.8					
		HONSHU, JAPAN						
		LPB	EP	11 41 02		1.2	23.4	149.2
			E	41 08				
			EL	12 32 00				
		PNS	EP	11 41 02.4		1.9	60.0	
JUN	9	USCGS	12 01 20, 20.8S, 178.3W, H = 560 Km, M = 5.2					
		FIJI IS REG						
		PNS	EP	12 14 13.5				
		LPB	EP	12 14 15				101.9
			EL	48 00				
JUN	9	PNS	EP	13 24 14				
JUN	9	USCGS	13 08 10.3, 39.9N, 141.6E, H = 60 Km, M = 4.8					
		HONSHU, JAPAN						
		PNS	EPKP	13 27 41.9				
		LPB	EPKP	13 27 42				145.4
			EL	14 18 00				
JUN	9	PNS	P	13 46 26.5		1.0	13.5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	9	PNS	EP	15 27 27				
JUN	9	USCGS	15 39 27.8, 44.3N, 147.6E, H = 110 Km, M = 5.5					
		KURILE IS						
		PNS	EPKP	15 58 36				
			I	58 45.0				
		LPB	PKP	15 58 45.5		1.4	56.0	139.6
			EL	16 45 00				
		TRJ	IPKP	15 58 55.7	D			
JUN	9	TRJ	IP	16 32 57.0	C			
		LPB	EP	16 33 34	C	1.0	30.0	
			S	34 34				
		PNS	P	16 33 38.5	C	0.5	8.2	5.5
			S	34 41.5				
JUN	9	PNS	EP	17 59 32.5				
JUN	9	PNS	EP	20 13 11.5				5.0
			S	14 10				
		LPB	EP	20 13 28				
JUN	9	USCGS	22 16 22, 30.1N, 142.2E, H = 12 Km, M = 5.1					
		HONSHU, JAPAN						
		LPB	EPKP	22 36 10				149.2
			E	36 17				
			EL	23 26 00				
		PNS	PKP	22 36 13.0				
			I	36 16.4				
			PPKP	36 24.0				
JUN	9	USCGS	22 24 39, 27.6N, 52.5E, H = 8 Km, M = 4.9					
		S IRAN						
		LPB	EPKP	22 43 40				124.1
			EL	23 23 00				
JUN	9	PNS	EP	23 52 15.6				
			S	53 56.9				
		LPB	EP	23 52 20				8.3
			S	53 54				
			L	55.1				
JUN	10	PNS	EP	00 27 41				
		LPB	EP	00 27 56				
JUN	10	PNS	EP	01 14 37.2				
		LPB	EP	01 14 43				8.2
			S	16 16.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	10	PNS	P	02 11 03.8				1.8
			IS	11 25.5				
JUN	10	TRJ	P	02 21 47.4	D			
JUN	10	PNS	IP	03 12 43.3	D	0.6	9.6	
		LPB	EP	03 12 48				
JUN	10	LPB	EP	04 35 19				
JUN	10	PNS	EP	04 40 19				
		LPB	EP	04 40 25				
JUN	10	TRJ	P	04 48 32.3				2.4
			S	49 01.6	C			
JUN	10	LPB	EP	05 11 50				
JUN	10	USCGS	05 34 22, 19.5N, 70.6W, H = 33 Km, M = 3.9					
		DOMINICAN REPUBLIC REGION						
		LPB	EP	05 41 22				36.0
			EL	52 00				
		PNS	P	05 41 42.6				
JUN	10	LPB	EP	05 52 14				
JUN	10	TRJ	EP	07 18 38.5				
		PNS	P	07 18 39.4				
		LPB	EP	07 18 40				
JUN	10	USCGS	08 13 25.8, 14.8S, 76.0W, H = 22 Km, M = 5.0					
		NEAR COAST OF PERU						
		PNS	IP	08 15 20.3	D	1.6	250.0	2.7
			S	16 43				
			SS	16 53				
		LPB	EP	08 15 22.5				7.8
			IPN	15 25.3				
			S	16 47.5				
		TRJ	P	08 16 26.6	D			
JUN	10	LPB	EP	09 17 31				
		PNS	P	09 17 52				
JUN	10	PNS	EP	09 29 35.2				
		LPB	EP	09 29 39				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	10	PNS	IP	09 40 07.3	D	0.4	8.9	
		LPB	EP	09 40 09				
JUN	10	USCGS	10 46 53, 45.5N, 28.2W, H = 33 Km, M = 4.3					
		N ATLANTIC RIDGE						
		LPB	EP	10 57 07				71.1
JUN	10	USCGS	12 15 05.7, 6.1S, 149.8E, H = 53 Km, M = 5.0					
		NEW BRITAIN REGION						
		LPB	EPKP	12 34 25				135.8
			EL	13 19 00				
		PNS	EP	12 34 25.7		0.9	14.8	
JUN	10	PNS	IP	13 52 32.3	D	0.3	89.9	
			IS	52 57.8				
		LPB	IP	13 52 35	D	0.9	5.9	2.0
			S	52 59.8				
JUN	10	LPB	EP	13 58 24				
			EL	14 02 00				
JUN	10	USCGS	14 13 44, 14.4S, 75.3W, H = 38 Km, M = 4.6					
		NR COAST OF PERU						
		PNS	P	14 15 37.5	C	0.5	12.8	
			ES	17 04.5				
		LPB	IP	14 15 42.6	D	0.9	15.3	7.0
			PP	15 53.5				
			S	17 00				
			L	18.8				
		TRJ	P	14 16 43.7	D			
JUN	10	PNS	P	14 49 30.8		0.4	6.3	2.7
			S	50 03				
JUN	10	PNS	P	16 38 15		0.6	4.9	3.1
			S	38 51				
JUN	10	PNS	P	17 12 48.4		0.3	3.9	
JUN	10	PNS	EP	17 19 56.4				1.9
			S	20 20.0				
JUN	10	PNS	IP	17 22 30.5	D	0.4	7.5	1.7
			S	22 52.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	10	LPB	EP	18 40 08.8				
		PNS	P	18 40 09.1				
JUN	10	PNS	IP	19 29 44.8	D	0.3	13.1	
			IS	30 36.0				4.5
JUN	10	USCGS	19 11 17.1, 52.5N, 173.6E, H = 45 Km, M = 4.9					
		NR IS, ALEUTIAN IS						
		PNS	PKP	19 30 02.0				
		LPB	EPKP	19 29 50				120.3
			EL	20 08 00				
JUN	10	TRJ	P	20 13 16.0				
		LPB	EP	20 13 54				
JUN	10	PNS	EP	20 24 06				
JUN	10	LPB	EP	21 23 35				9.8
			S	25 25				
		PNS	EP	21 23 40.3				
			S	25 17				
JUN	10	TRJ	IP	22 06 51.9	C			
JUN	10	USCGS	22 14 37.3, 32.9N, 39.8W, H = 8 Km, M = 5.2					
		N ATLANTIC RIDGE						
		PNS	IP	22 24 19.3	D	1.3	99.0	
		LPB	IP	22 24 20	C	1.2	83.0	56.3
			ES	32 28				
			EL	41 00				
JUN	10	TRJ	P	22 39 20.1				
JUN	10	USCGS	22 41 48.5, 45.1N, 99.7E, H = 33 Km, M = 5.1					
		MONGOLIA						
		LPB	EPKP	23 01 32				149.9
			EL	52 00				
		PNS	EPKP	23 01 32.8				
			I	01 36.7				
JUN	10	LPB	IP	23 54 38.5	C	0.9	11.8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	11	USCGS	02 37 39, 19.2N, 108.1W, H = 45 Km, M = 5.3					
			REVILLA GIGEDO IS REGION					
		PNS	IP	02 46 50	D	1.1	40.3	
			S	54 15				
			I	03 00 09.0				
		LPB	P	02 46 53.5	D	1.0	44.0	52.8
			ES	54 38				
			L	03 03 00				
JUN	11	USCGS	03 01 08.7, 23.6N, 119.9E, H = 33 Km, M = 5.2					
			TAIWAN REGION					
		LPB	EPKP	03 21 17.5				169.8
			EL	04 11 00				
		PNS	EPKP	03 21 17.6		1.3	18.0	
			I	21 22.9				
JUN	11	LPB	EP	04 55 53.5				
JUN	11	PNS	EP	05 11 01.5				
		LPB	EP	05 11 08.0				
JUN	11	USCGS	05 04 15.2, 12.1S, 166.6E, H = 99 Km, M = 5.6					
			SANTA CRUZ IS					
		LPB	EPKP	05 22 49				118.9
			EL	06 01 00				
JUN	11	USCGS	06 08 49.1, 35.7N, 72.2E, H = 104 Km, M = 4.9					
			WEST PAKISTAN					
		LPB	EPKP	06 27 55				139.9
			EL	07 15 00				
		PNS	EPKP	06 27 56				
JUN	11	USCGS	08 42 16, 19.1N, 108.3W, H = 33 Km, M = 4.5					
			REVILLA GIGEDO IS REG					
		PNS	EP	08 51 31.8				
		LPB	EP	08 51 32				53.0
JUN	11	PNS	EP	08 57 54.3				
JUN	11	PNS	IP	09 33 15.2	D	0.3	5.8	1.9
			IS	33 39.0				
JUN	11	PNS	EP	11 00 58		0.4	2.7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	11	USCGS	11 04 11.2, 14.6S, 75.9W, H = 39 Km, M = 5.3					
			NEAR COAST OF PERU					
		PNS	P	11 06 03.3		0.5	4.8	
			S	07 14.4				
		LPB	P	11 06 08		1.6	54.8	7.6
			S	07 15				
JUN	11	PNS	EP	13 26 09.9				
JUN	11	PNS	P	14 23 30.3				
JUN	11	PNS	P	16 52 33		0.5	4.8	
JUN	11	PNS	P	16 53 55.2		0.4	2.6	2.9
			S	54 30.5				
		LPB	EP	16 54 03				
JUN	11	LPB	P	17 51 22		0.9	29.0	4.9
			S	52 18				
		PNS	P	17 51 24.7	C	1.0	25.2	
			S	52 27				
JUN	11	USCGS	18 13 40.6, 51.6N, 178.4W, H = 60 Km, M = 5.9					
			ANDREANOF IS, ALEUTIAN IS					
		PNS	PKP	18 32 17.3				
		LPB	EPKP	18 32 22				115.5
			EL	19 07 00				
JUN	11	LPB	EP	22 21 41				
			S	23 08.2				
		PNS	P	22 21 44.4		0.8	15.8	7.7
			S	23 13				
JUN	11	USCGS	22 29 37.3, 36.6N, 70.7E, H = 192 Km, M = 4.5					
			HINDU KUSH REGION					
		LPB	EPKP	22 48 18				113.0
			EL	23 35 00				
JUN	11	PNS	P	22 51 00.5		0.6	4.1	
JUN	12	PNS	EP	00 01 08		0.7	5.8	3.8
			S	01 53.6				
		LPB	EP	00 01 12				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	12	USCGS	00 28 25, 19.1S, 169.6E, H = 265 Km, M = 4.7					
		NEW HEBRIDES IS						
		LPB	EPKP	00 46 33				113.0
			EL	01 22 00				
JUN	12	USCGS	00 43 21, 37.2N, 138.2E, H = 99 Km, M = 4.7					
		NEAR W COAST OF HONSHU, JAPAN						
		PNS	PKP	01 02 58				
		LPB	EPKP	01 02 59				142.4
			EL	50 00				
JUN	12	PNS	EP	01 39 04.5		0.7	5.6	
JUN	12	USCGS	01 57 47, 19.2N, 145.1E, H = 191 km, M = 4.7					
		MARIANA IS						
		PNS	PKP	02 17 13.5		0.8	7.6	
		LPB	PKP	02 17 14.5		0.9	13.6	148.6
			EL	03 07 00				
JUN	12	PNS	P	03 17 42		1.0	18.2	
		LPB	P	03 17 43.7		1.3	30.8	
JUN	12	USCGS	03 56 20, 6.5N, 73.0W, H = 142 Km, M = 4.9					
		NORTHERN COLOMBIA						
		LPB	EP	04 01 17				23.5
		PNS	EP	04 01 21				
			I	01 53.0				
JUN	12	PNS	EP	04 07 54				3.7
			S	08 37				
JUN	12	PNS	EP	06 09 20				2.9
			S	09 55.5				
		LPB	P	06 09 36.5				
JUN	12	PNS	EP	06 32 36				1.4
			S	32 54.2				
JUN	12	USCGS	07 20 26, 13.1N, 146.3E, H = 160 Km, M = 4.2					
		S OF MARIANA IS						
		LPB	EPKP	07 39 52				146.8
			EL	08 30 00				
		PNS	PKP	07 39 52		0.9	7.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	12	LPB	P	09 42 48.4	C	1.1	26.0	
		PNS	IP	09 42 58.3	C	1.0	30.5	
JUN	12	PNS	EP	11 43 45.4				
			S	45 44.7				10.7
		LPB	EP	11 43 55				
JUN	12	USCGS	12 41 34, 51.6N, 173.2W, H = 33 Km, M = 4.1					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	EPKP	13 00 11				112.4
			EL	34 00				
JUN	12	LPB	P	14 21 45.5		1.0	24.0	
		PNS	P	14 21 47		0.9	8.3	
JUN	12	PNS	EP	17 24 05.7				
		LPB	EP	17 24 25				
JUN	12	USCGS	20 20 58.1, 3.0S, 28.2W, H = 18 Km, M = 5.0					
		ATLANTIC OCEAN						
		PNS	IP	20 28 44.6	C	0.3	7.0	
		LPB	IP	20 28 46.7	C	1.0	55.0	41.2
			EL	42 00				
JUN	12	PNS	EP	22 21 05				
		LPB	EP	22 21 13				
JUN	12	TRJ	IP	23 22 54.8	C			2.7
			IS	23 27.2	D			
JUN	13	PNS	EP	00 43 14				
		LPB	P	00 43 20.5		1.0	8.0	
JUN	13	USCGS	01 10 10, 21.3S, 70.1W, H = 66 Km, M = 4.4					
		NR COAST OF N CHILE						
		TRJ	IP	01 11 23.4	C			
		LPB	EP	01 11 26		0.7	9.1	5.2
			PN	11 39				
			PG	11 51.5				
			S	12 26.5				
		PNS	P	01 11 27.3		0.8	12.2	
			S	12 26.6				
JUN	13	LPB	EP	01 26 41				0.9
			S	26 53.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	13	PNS	EP	01 54 12				
		LPB	EP	01 54 13				
JUN	13	USCGS	02 48 06, 7.6N, 82.6W, H = 45 Km, M = 4.2					
		S OF PANAMA						
		LPB	EP	02 53 41				27.6
			EL	03 01 00				
		PNS	P	02 53 47.2				
JUN	13	USCGS	04 00 02.3, 16.8S, 174.0W, H = 39 Km, M = 4.9					
		TONGA IS						
		LPB	EP	04 13 39				99.4
			EL	47 00				
JUN	13	PNS	EP	04 23 37.2		0.2	4.8	1.9
			S	24 00.3				
JUN	13	LPB	EP	04 28 16				
		PNS	EP	04 28 17				
JUN	13	TRJ	IP	04 49 05.9	D			2.6
			IS	49 37.4	D			
		LPB	P	04 49 29.5				
		PNS	EP	04 49 33.6		0.2	7.7	
JUN	13	USCGS	05 27 16.7, 29.5S, 71.6W, H = 41 Km, M = 4.5					
		NR CST OF CENTRAL CHILE						
		TRJ	P	05 29 39.5	D			
		LPB	P	05 30 26.5				13.4
			E	30 30.5				
			EL	36.3				
		PNS	P	05 30 28.3		0.8	4.8	
			PP	30 34				
JUN	13	TRJ	EP	07 05 59.6				
		LPB	EP	07 06 25				
		PNS	EP	07 06 30.8				
JUN	13	USCGS	07 33 13.4, 21.2S, 174.1E, H = 49 Km, M = 5.9					
		NEW HEBRIDES IS REGION						
		LPB	P	07 47 32				108.3
			ES	58 44				
			SS	08 07 30				
			EL	20 00				
JUN	13	LPB	EP	10 05 22				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	13	USCGS	11 27 25.4, 37.2N, 72.4E, H = 220 Km, M = 4.9					
		TADZHIK SSR						
		PNS	EPKP	11 46 25.6				
		LPB	EPKP	11 46 26				139.9
JUN	13	USCGS	12 02 48.0, 59.2N, 152.0W, H = 11 Km, M = 4.5					
		S ALASKA						
		LPB	EP	12 16 39				101.6
			EL	51 00				
JUN	13	PNS	P	12 19 16.0	C	0.3	4.0	2.3
			S	19 44.8				
JUN	13	PNS	P	12 29 07.6	C	0.5	5.0	
JUN	13	USCGS	13 19 35, 73.1N, 7.2E, H = 33 Km, M = 4.7					
		GREENLAND SEA						
		LPB	P	13 33 22				101.3
			EL	14 17 00				
JUN	13	USCGS	14 13 00, 79.9N, 5.0E, H = 33 Km, M = 4.2					
		GREENLAND SEA						
		LPB	EP	14 26 43				104.0
			EL	15 02 00				
JUN	13	PNS	P	14 52 45.0		0.3	8.4	
			S	53 11				
JUN	13	PNS	EP	15 47 39				
JUN	13	PNS	EP	16 21 02.3				4.9
			S	22 01.7				
		LPB	EP	16 21 45				
JUN	13	USCGS	18 08 38.4, 12.2S, 167.1E, H = 259 Km, M = 6.2					
		SANTA CRUZ IS						
		PNS	EP	18 26 57.4				
			I	26 59.0				
			PKS	29 32.0				
			IPS	37 18.2				
		LPB	P	18 26 58.5		0.9	124.0	118.4
			PS	37 17				
			SS	44 44				
			G	51.8				
			EL	59 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	13	PNS	P	22 24 30.0		0.3	3.7	
JUN	14	USCGS	02 45 57, 38.1N, 42.8E, H = 38 Km, M = 4.7					
		TURKEY						
		PNS	PKP	03 02 39.0		0.9	5.8	
JUN	14	LPB	EP	03 25 06.5				
JUN	14	PNS	EP	06 16 51				
		LPB	EP	06 16 56				
			(S)	18 10				
JUN	14	PNS	EP	07 58 31				
		LPB	EP	07 58 32				
JUN	14	USCGS	08 54 58.4, 18.6S, 70.1W, H = 140 Km, M = 4.3					
		NR COAST OF N CHILE						
		LPB	IP	08 55 35.5	C	0.6	204.0	3.7
			IS	56 04				
		PNS	IP	08 55 36.2	C			
			S	56 06				
JUN	14	PNS	EP	10 12 11.9				2.2
			S	12 39				
JUN	14	USCGS	11 54 58, 8.1N, 37.3W, H = 33 Km, M = 4.7					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	12 02 20	D	1.8	85.0	39.2
			PP	02 29.5				
			ES	08 21				
			EL	13 00				
		PNS	IP	12 02 20.7	D	0.5	8.2	
			PP	02 30.2				
			ES	08 23				
JUN	14	PNS	EP	12 41 16.4				
JUN	14	USCGS	16 39 50.5, 5.3S, 124.5E, H = 656 Km, M = 5.4					
		BANDA SEA						
		LPB	EPKP	16 58 29				154.9
			ESS	17 21 45				
			EL	52 00				
		PNS	EPKP	16 58 34				
			IPKP2	59 04.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	14	PNS	P	17 01 16.2	C	1.0	13.9	
		LPB	P	17 01 17		1.5	72.0	
JUN	14	LPB	P	18 00 11.2		1.0	48.0	3.2
			S	00 49				
		PNS	IP	18 00 12.8	C	0.7	48.9	
			IS	00 52.0				
JUN	14	USCGS	21 03 48.3, 30.7N, 138.7E, H = 397 Km, M = 5.1					
		S OF HONSHU, JAPAN						
		LPB	EPKP	21 22 49				151.5
			PPKP	24 34.5				
			EL	22 15 00				
		PNS	EPKP	21 22 50.6				
			I	22 59.4				
			IPPKP	24 34.6				
JUN	14	PNS	EP	21 24 24.4				
			I	24 34.6				
			S	25 25.5				
		LPB	EP	21 24 28				
			(S)	25 34				
JUN	14	PNS	EP	21 59 32.6				
		LPB	EP	21 59 45				
JUN	15	LPB	EP	00 08 07		0.9		
JUN	15	LPB	EP	00 10 29				
			(S)	11 02.8				
JUN	15	LPB	EP	00 18 14				1.7
			S	18 35				
JUN	15	LPB	EP	01 08 21				
		PNS	P	01 08 25.4	D	0.5	7.5	
JUN	15	USCGS	00 59 45.8, 10.4S, 160.8E, H = 31 Km, M = 6.1					
		SOLOMON IS						
		PNS	EPKP	01 15 28				
			IPKP	18 47.7	D			
			PP	20 34.6				
			IPS	30 44				
		LPB	PPKP	01 15 31		2.0	80.0	123.5
			PKP	18 47				
			PP	20 34				
			SKS	25 45				
			PS	30 45				
			SS	37 05				
			L	58 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	15	USCGS	01 12 47.0, 10.5S, 160.9E, H = 33 Km					
		SOLOMON IS						
		PNS	PKP	01 31 36.0		1.2	18.2	
		LPB	EPKP	01 31 39.5				124.0
JUN	15	USCGS	01 32 12, 10.6S, 161.7E, H = 33 Km, M = 5.9					
		SOLOMON IS						
		PNS	PKP	01 51 10.3		0.9	12.4	
		LPB	EPKP	01 51 11				123.9
JUN	15	USCGS	01 32 55.5, 10.2S, 161.1E, H = 33 Km, M = 6.2					
		SOLOMON IS						
		PNS	PKP	01 51 53.8		2.1	230.0	
			IPP	53 40.4				
			PKS	55 24.7				
		TRJ	PKP	01 51 54.5	D			
		LPB	PKP	01 51 55.5		2.1	140.0	124.1
			EPP	53 42				
JUN	15	USCGS	02 19 48, 17.2N, 94.9W, H = 43 Km, M = 4.3					
		CHIAPAS, MEXICO						
		PNS	P	02 27 38.8		1.0	14.8	
			IPP	27 54.5				
		LPB	P	02 27 42	D	1.0	14.0	42.9
JUN	15	PNS	EP	02 52 35.4				
		LPB	EP	02 52 39				
JUN	15	USCGS	02 36 37.0, 10.7S, 161.0E, H = 33 Km, M = 5.5					
		SOLOMON IS						
		LPB	EPKP	02 55 22.5				124.0
		PNS	PKP	02 55 23.2		0.9	7.2	
JUN	15	USCGS	03 03 34.2, 10.2S, 160.7E, H = 33 Km, M = 5.7					
		SOLOMON IS						
		LPB	EPKP	03 22 33				124.0
		PNS	EPKP	03 22 33.7				
JUN	15	USCGS	03 27 19.0, 10.2S, 161.1E, H = 33 Km, M = 4.8					
		SOLOMON IS						
		PNS	EPKP	03 46 17				
		LPB	EPKP	03 46 22				124.5
JUN	15	TRJ	IP	03 48 29.1	C			
		LPB	EP	03 49 58				
		PNS	EP	03 49 59.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	15	USCGS	03 43 55.4, 10.5S, 161.2E, H = 33 Km, M = 4.9					
		SOLOMON IS						
		LPB	EPKP	04 02 52				124.0
			EL	41 00				
		PNS	EPKP	04 02 54.2				
JUN	15	USCGS	04 04 40.0, 10.5S, 161.0E, H = 33 Km, M = 5.2					
		SOLOMON IS						
		PNS	PKP	04 23 37.2				
		LPB	EPKP	04 23 42				124.0
			EL	05 02 00				
JUN	15	USCGS	04 26 53.3, 10.7S, 161.3E, H = 33 Km, M = 5.3					
		SOLOMON IS						
		LPB	EPKP	04 45 52				124.0
			EL	05 25 00				
		PNS	EPKP	04 45 53				
JUN	15	USCGS	06 13 52.3, 10.1S, 161.0E, H = 39 Km, M = 5.9					
		SOLOMON IS						
		LPB	EPKP	06 32 51				124.1
			EL	07 12 00				
		PNS	EPKP	06 32 51.4		0.8	5.8	
			PPKP	33 02.3				
JUN	15	LPB	EP	06 54 59				1.0
			S	55 12.8				
JUN	15	USCGS	06 56 26, 10.3S, 160.6E, H = 33 Km, M = 4.9					
		SOLOMON IS						
		LPB	EPKP	07 15 24				124.8
			EL	53 00				
JUN	15	USCGS	07 30 46, 10.8N, 62.3W, H = 10 Km					
		NR COAST OF VENEZUELA						
		PNS	EP	07 36 37				
		LPB	EP	07 36 38				27.7
			EL	44 00				
JUN	15	PNS	EP	07 44 05.6				
		LPB	EP	07 44 14				4.4
			S	45 05				
JUN	15	PNS	P	10 30 19.7				1.0
			S	30 32.8				
		LPB	EP	10 30 38				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	15	TRJ	IP	10 33 02.8	C			
		LPB	EP	10 33 32				
		PNS	EP	10 33 34.3				2.2
			S	34 01				
JUN	15	USCGS	11 32 29, 28.9S, 71.1W, H = 52 Km, M = 3.9					
		NR COAST OF CENTRAL CHILE						
		LPB	EP	11 35 12				12.6
JUN	15	TRJ	IP	12 07 48.1	C			3.3
			IS	08 27.6	C			
JUN	15	PNS	EP	14 39 12				
JUN	15	TRJ	P	15 02 38.0	C			2.9
			IS	03 12.7	D			
JUN	15	PNS	IP	16 32 28.3	D	0.9	22.7	
JUN	15	PNS	P	16 33 10				
JUN	15	USCGS	16 17 13.2, 10.7S, 161.2E, H = 21 Km, M = 5.4					
		SOLOMON IS						
		LPB	EPKP	16 36 15				124.0
			EL	17 16 00				
		PNS	EPKP	16 36 15				
			E	36 20				
			PPKP	36 25.4				
JUN	15	PNS	EP	16 48 05.2		0.5	3.2	
JUN	15	USCGS	16 36 24.1, 10.3S, 160.7E, H = 18 Km, M = 5.8					
		SOLOMON IS						
		LPB	EPKP	16 55 25				124.0
			EL	17 37 00				
		PNS	EPKP	16 55 26				
JUN	15	PNS	P	18 53 01.6	D	0.4	7.6	1.6
			S	53 22				
JUN	15	USCGS	18 39 53, 10.7S, 161.2E, H = 33 Km, M = 4.6					
		SOLOMON IS						
		LPB	EPKP	18 58 53				124.0

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	15	TRJ	IP	19 35 14.0	D			2.8
			S	35 47.0				
JUN	15	PNS	EP	20 13 34.5		0.3	3.5	
			S	14 06.2				
		LPB	EP	20 13 35				2.9
			S	14 09				
JUN	15	USCGS	20 49 21, 11.4S, 167.1E, H = 151 Km, M = 4.7					
		SANTA CRUZ IS						
		LPB	EPKP	21 07 51				118.8
			EL	45.6				
		PNS	PKP	21 07 55.6		0.7	3.5	
JUN	15	PNS	P	21 15 13.6	D	0.3	2.9	
JUN	15	USCGS	22 43 38.2, 11.2S, 167.0E, H = 107 Km, M = 4.9					
		SANTA CRUZ IS						
		PNS	EPKP	23 02 12.4				
		LPB	EPKP	23 02 16				118.0
			EL	40 00				
JUN	15	LPB	EP	23 05 14				
		PNS	P	23 05 14.5				
JUN	15	USCGS	23 25 27, 44.2N, 149.1E, H = 40 Km, M = 4.9					
		KURILE IS						
		PNS	EPKP	23 44 53.2				
JUN	16	LPB	EP	00 14 22				
		PNS	EP	00 14 27				
JUN	16	USCGS	00 03 48.5, 10.8S, 161.3E, H = 34 Km, M = 4.9					
		SOLOMON IS						
		LPB	EPKP	00 22 42				123.9
			EL	01 02 00				
		PNS	PKP	00 22 45.9				
JUN	16	PNS	P	00 26 26.9				2.3
			S	26 50				
JUN	16	LPB	EP	00 39 24				
		PNS	EP	00 40 02.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	16	LPB	EP	01 26 55				1.9
			S	26 18.4				
		PNS	EP	01 26 56				
			S	27 18.9				
JUN	16	LPB	EP	03 51 03				
JUN	16	PNS	IP	07 15 19.0	D	0.3	19.8	1.9
			S	15 41.8				
		LPB	EP	07 15 20				
JUN	16	LPB	EP	09 00 23				
		PNS	P	09 00 26.2		0.5	3.9	
JUN	16	USCGS	08 59 38, 16.3N, 104.2W, H = 33 Km, M = 3.9					
		OFF COAST OF MICHOACAN, MEXICO						
		LPB	EP	09 08 04		1.2	13.0	47.3
			EL	33 00				
JUN	16	USCGS	09 01 22, 10.2S, 161.1E, H = 33 Km, M = 4.9					
		SOLOMON IS						
		LPB	EPKP	09 20 23				124.0
			EL	10 01 00				
JUN	16	TRJ	IP	09 41 19.1	D			2.5
			IS	41 49.2	C			
JUN	16	USCGS	10 14 04, 15.5N, 104.3W, H = 33 Km, M = 4.5					
		OFF COAST OF MICHOACAN, MEXICO						
		PNS	IP	10 22 36.6	C	1.0	26.8	
		LPB	P	10 22 39.5	C	0.9	36.0	47.8
			EPP	22 49				
			ES	29 13				
			EL	38 00				
JUN	16	USCGS	10 45 28, 14.9S, 173.2W, H = 33 Km, M = 4.5					
		SAMOA IS REG						
		PNS	EP	10 59 13.4				
		LPB	EP	10 59 14.5				100.5
			EL	33 00				
JUN	16	PNS	EP	12 03 20.8		1.3	46.2	
			S	07 38				
		LPB	EP	12 03 25.5		1.5	52.0	25.2
			ES	07 48.5				
			EL	11.6				
		TRJ	P	12 04 24.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	16	USCGS	12 00 22, 10.8S, 161.3E, H = 33 Km, M = 5.4					
		SOLOMON IS						
		LPB	EPKP	12 18 09				123.5
			EL	58 00				
JUN	16	USCGS	12 27 52, 1.2S, 80.1W, H = 36 Km, M = 4.3					
		NR CST OF ECUADOR						
		PNS	EP	12 32 12.6				
		LPB	EP	12 32 13		1.0	22.0	19.8
			E	32 18				
JUN	16	USCGS	14 31 28, 10.2S, 160.9E, H = 38 Km, M = 5.1					
		SOLOMON IS						
		LPB	EPKP	14 50 26				124.4
			EL	30 00				
		PNS	EPKP	14 50 32.3				
JUN	16	USCGS	16 46 49, 29.3S, 71.1W, H = 51 Km, M = 4.5					
		NR COAST OF CENTRAL CHILE						
		PNS	EP	16 49 45.7				
		LPB	EP	16 49 48				12.7
JUN	16	USCGS	16 46 50, 29.3S, 71.4W, H = 51 Km, M = 4.5					
		NEAR COAST OF CENTRAL CHILE						
		TRJ	EP	16 49 07.4				
		PNS	EP	16 49 53.6				
			I	50 19.9				
		LPB	EP	16 49 55				12.9
			S	52 17.5				
JUN	16	PNS	P	17 15 40				
JUN	16	USCGS	18 01 02, 12.9N, 44.5W, H = 30 Km, M = 4.8					
		N ATLANTIC RIDGE						
		PNS	P	18 08 14.4		0.8	11.3	
			E	08 18.7				
			S	14 12				
		LPB	EP	18 08 15		1.0	30.0	37.8
			E	08 18				
			S	14 08				
			L	18.8				
JUN	16	PNS	EP	18 29 09.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	16	USCGS	18 39 48.2, 10.6S, 161.3E, H = 53 Km, M = 4.9					
		SOLOMON IS						
		LPB	EPKP	18 58 45				124.0
			EL	19 38 00				
		PNS	EPKP	18 58 46.2				
JUN	16	USCGS	20 32 24.1, 22.1S, 67.2W, H = 190 Km, M = 5.5					
		CHILE-BOLIVIA BOR REG						
		PNS	IP	20 33 41.8	C			
			IS	34 53.0				
		LPB	IP	20 33 48	C	0.6	192.0	5.9
			IS	34 50				
		TRJ	IP	20 34 07.8	C			
JUN	16	USCGS	22 30 04.2, 26.2S, 70.8E, H = 33 Km, M = 5.1					
		S INDIAN OCEAN						
		PNS	EPKP	22 49 00				
		LPB	EPKP	22 49 04				122.0
			L	23 27.7				
JUN	16	PNS	EP	23 47 21.5				
		LPB	EP	23 47 31				
JUN	17	LPB	IP	00 21 28.5	C	0.5	19.8	
		PNS	P	00 21 29.1	C	0.5	8.2	3.2
			S	22 07.4				
JUN	17	USCGS	01 14 02, 18.4N, 68.7W, H = 110 Km, M = 4.9					
		MONA PASSAGE						
		PNS	P	01 20 41.4		0.6	3.2	
			ES	26 06				
		LPB	EP	01 20 44				34.7
			ES	26 16				
			EL	31 00				
JUN	17	PNS	P	01 44 51.2				
		LPB	EP	01 45 03				
JUN	17	TRJ	P	03 01 56.2	D			
JUN	17	TRJ	P	03 42 07.6	D			
		LPB	P	03 43 02		0.8	11.2	7.4
			S	44 26.5				
		PNS	P	03 43 05.9		0.5	5.2	
			S	44 30.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	17	PNS	P	07 06 38.4		0.4	6.2	1.9
			IS	07 01				
JUN	17	PNS	EP	09 08 00				
		TRJ	IP	09 08 16.7	C			
JUN	17	PNS	P	10 19 03.0		0.7	8.1	9.5
			S	20 50				
		LPB	EP	10 19 08				
JUN	17	PNS	EP	10 40 55		0.9	6.8	
		LPB	EP	10 41 01				
JUN	17	USCGS	11 47 38.7, 10.5S, 161.0E, H = 33 Km, M = 5.1					
		SOLOMON IS						
		PNS	PKP	12 06 37.3		0.9	3.9	
		LPB	EPKP	12 06 40				123.9
JUN	17	TRJ	P	12 42 39.0				3.2
			IS	43 15.9	C			
JUN	17	USCGS	12 04 18, 10.2S, 160.6E, H = 33 Km, M = 4.6					
		SOLOMON IS						
		PNS	EPKP	12 23 17.3				
JUN	17	TRJ	IP	13 06 15.6	C			
JUN	17	TRJ	IP	13 12 22.2	C			
JUN	17	USCGS	13 05 39, 16.1N, 99.1W, H = 33 Km, M = 3.8					
		NR CST OF GUERRERO, MEXICO						
		PNS	EP	13 13 42.8				
		LPB	EP	13 13 43				44.9
			EL	29 00				
JUN	17	USCGS	13 20 28, 22.0S, 179.8E, H = 539 Km, M = 4.9					
		S OF FIJI IS						
		LPB	EP	13 33 25				103.5
			EL	14 19 00				
JUN	17	PNS	P	15 17 07.5				2.7
			S	17 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	17	USCGS	15 06 27, 6.2S, 146.7E, H = 77 Km, M = 5.4					
			E NEW GUINEA REGION					
		PNS	EPKP	15 25 42				
			PPKP	26 11.0				
			I	29 17.8				
		LPB	EPKP	15 25 49				138.5
			PPKP	26 11				
			EL	16 12 00				
JUN	17	USCGS	18 31 55.1, 0.8N, 30.0E, H = 33 Km					
			REPUBLIC OF THE CONGO					
		PNS	P	18 45 32.8		0.9	3.8	
		LPB	EP	18 45 33				100.4
JUN	17	LPB	IP	21 59 32.7	C	0.7	39.0	
			S	22 07 02				
		PNS	IP	21 59 36.7	C	0.7	44.5	
			S	22 00 55				
JUN	17	PNS	EP	22 42 24.7		0.6	4.5	4.1
			S	43 13.0				
JUN	17	LPB	EP	22 43 07		0.7	10.4	
JUN	17	USCGS	22 26 04.1, 10.2S, 161.0E, H = 33 Km, M = 5.6					
			SOLOMON IS					
		PNS	PKP	22 43 03.6				
		LPB	EPKP	22 45 05				124.0
			EL	23 25 00				
JUN	18	USCGS	00 30 01, 2.8S, 141.6E, H = 33 Km, M = 5.0					
			NEAR N COAST OF NEW GUINEA					
		PNS	PKP	00 49 37.9	C	0.8	35.1	
			IPPKP	49 50.0				
		LPB	EPKP	00 49 38.5		0.9	23.8	145.0
			PPKP	49 50				
			EL	01 38 00				
JUN	18	USCGS	02 14 00.0, 10.4S, 160.7E, H = 21 Km, M = 4.8					
			SOLOMON IS					
		LPB	EPKP	02 33 10				124.3
			EL	03 13 00				
JUN	18	LPB	EP	03 04 55		1.0	36.0	3.2
			S	05 33				
		PNS	IP	03 04 56.9	C	0.7	13.9	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	18	TRJ	P	03 30 38.5	C			
JUN	18	USCGS	03 42 19, 56.2S, 27.1W, H = 115 Km, M = 4.8					
			S SANDWICH IS REG					
		TRJ	P	03 50 23.5	C			
		LPB	EP	03 51 07				50.0
			PP	51 33.2				
			ES	58 01				
			EL	04 06.5				
		PNS	P	03 51 09.9		0.8	6.3	
			PP	51 32.9				
JUN	18	USCGS	05 21 07.5, 29.5S, 29.5E, H = 33 Km,					
			REPUBLIC OF S AFRICA					
		LPB	EP	05 33 58				88.4
			EL	06 04 00				
		PNS	EP	05 34 01.4				
JUN	18	USCGS	05 43 18, 14.7S, 74.5W, H = 133 Km, M = 4.0					
			PERU					
		PNS	P	05 44 58.3	D			
			S	46 07.6				
		LPB	EP	05 45 03		1.3	33.5	6.4
			ES	45 58.5				
		TRJ	P	05 46 05.6	C			
JUN	18	LPB	EP	06 06 05				
JUN	18	LPB	P	06 45 06		0.6	10.8	
		PNS	IP	06 45 13.7	D	0.7	96.6	2.2
			S	45 40				
JUN	18	TRJ	IP	07 28 13.0	D			
JUN	18	USCGS	08 24 35.9, 10.2S, 160.9E, H = 22 Km, M = 5.4					
			SOLOMON IS					
		LPB	EPKP	08 43 34				124.4
			EL	09 23 00				
		PNS	PKP	08 43 34.3				
JUN	18	TRJ	P	08 49 28.3				3.2
			IS	50 06.0				
		PNS	P	08 50 18.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	18	USCGS	09 56 41.0, 22.1S, 68.0W, H = 128 Km, M = 4.0					
		CHILE-BOLIVIA BOR REG						
		TRJ	IP	09 57 39.9	C			
			IS	58 20.1	D			
		LPB	EP	09 58 04		0.7	13.0	6.8
		PNS	EP	09 58 05.7		1.2	21.0	
			S	59 08.8				
JUN	18	USCGS	12 19 54, 10.1S, 160.8E, H = 33 Km, M = 4.7					
		SOLOMON IS						
		LPB	EPKP	12 38 54				124.9
			EL	13 19 00				
JUN	18	PNS	EP	12 53 47.4				
JUN	18	LPB	EP	12 54 19				
JUN	18	TRJ	IP	18 49 16.2	D			2.6
			IS	49 47.2	C			
JUN	18	USCGS	19 15 24.4, 3.3S, 143.2E, H = 17 Km, M = 5.2					
		NR N COAST OF NEW GUINEA						
		PNS	EPKP	19 34 59.7				
			I	36 52				
		LPB	EPKP	19 35 01				142.9
			EL	20 23 00				
		TRJ	EPKP	19 35 04.6	C			
JUN	18	TRJ	IP	20 10 03.6	D			
		PNS	P	20 10 57.0	D	0.4	3.7	7.1
			S	12 17.2				
		LPB	EP	20 10 54				
			(S)	12 15				
JUN	18	USCGS	21 54 52, 18.4S, 175.6W, H = 282 Km, M = 4.5					
		TONGA IS						
		LPB	EPKP	22 08 34				100.4
			EL	43 00				
JUN	18	LPB	EP	22 59 22				
		PNS	IP	22 59 23.2	D	0.4	10.7	2.4
			IS	59 51.7				
JUN	18	TRJ	IP	23 20 39.1	D			2.6
			IS	21 05.8				
		LPB	EP	23 20 58				
		PNS	P	23 21 01.6	C	0.6	9.9	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	19	USCGS	00 14 15, 10.6S, 160.9E, H = 39 Km					
		SOLOMON IS						
		PNS	EPKP	00 33 15.1				
		LPB	EPKP	00 33 16				
			EL	01 13 00				124.0
JUN	19	TRJ	IP	02 20 34.6	C			
JUN	19	TRJ	P	02 26 04.9	C			
JUN	19	LPB	EP	04 30 07				
		PNS	EP	04 30 09.5				
			S	31 10.5				
JUN	19	LPB	EP	06 42 25				
		PNS	EP	06 42 25				
JUN	19	USCGS	07 52 20, 8.8S, 149.5E, H = 54 Km, M = 5.4					
		E NEW GUINEA REGION						
		PNS	PKP	08 11 34				
			PPKP	11 46.7				
		LPB	EPKP	08 11 37				
			PPKP	11 50				135.0
			EL	56 00				
		TRJ	EPKP	08 11 41.0				
JUN	19	LPB	EP	10 31 31				
		PNS	EP	10 31 41				
JUN	19	PNS	IP	12 48 53.5	D	0.4	7.5	1.9
			S	49 16.5				
JUN	19	TRJ	IP	13 43 12.2	C			
		PNS	EP	13 43 22				
			ES	43 34				
		LPB	EP	13 43 27				
			S	43 55				2.4
JUN	19	TRJ	P	14 54 44.6				
			IS	55 23.1	C			3.2
		LPB	EP	14 55 07				
		PNS	EP	14 55 08.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	19	USCGS NR COAST OF PERU	15 40 47.6, 14.9S, 75.9W, H = 29 Km, M = 5.1					
		PNS	P	15 42 35.7				
			I	42 38.3				
			S	43 40				
			L	45 18				
		LPB	IP	15 42 38.5		1.7	295.0	7.3
			I	42 43				
			ES	43 41				
			L	45.4				
JUN	19	PNS	P	16 40 10.7				1.8
			IS	40 32.7				
		LPB	EP	16 40 37				
JUN	19	TRJ	IP	18 07 39.6	C			
JUN	19	TRJ	IP	19 27 32.9	C			
JUN	19	USCGS ANDREANOF IS, ALEUTIAN IS	19 28 43.1, 51.7N, 176.2W, H = 57 Km, M = 5.2					
		LPB	EPKP	19 47 22				114.0
			EL	20 24 00				
JUN	19	PNS	P	20 01 59.6		0.3	2.4	2.4
			S	02 28.4				
JUN	19	PNS	EP	21 30 16.5				
			(S)	30 55.4				
		LPB	EP	21 30 26				3.6
			S	31 08.2				
JUN	19	USCGS NORTHERN CHILE	22 03 58, 22.2S, 68.1W, H = 127 Km, M = 4.3					
		TRJ	IP	22 04 54.1	C			
		LPB	P	22 05 21.8		0.8	12.6	5.5
			(PN)	05 43				
			ES	06 23				
		PNS	P	22 05 24.2		0.6	10.3	
			S	06 22.2				
JUN	19	TRJ	IP	22 37 59.3	D			2.6
			IS	38 30.7	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	20	USCGS NR CST OF PERU	00 30 20.8, 14.4S, 75.7W, H = 56 Km, M = 4.3					
		PNS	EP	00 32 06.7		0.9	12.1	
			ES	33 35.6				
		LPB	EP	00 32 11.2				7.9
			PN	32 15.5				
			ES	33 30				
			EL	34.8				
		TRJ	EP	00 33 13.4				
JUN	20	PNS	P	00 50 51.5		0.3	2.4	2.1
			S	51 17				
JUN	20	USCGS JUJUY PROVINCE, ARGENTINA	02 52 28, 23.2S, 66.6W, H = 248 Km, M = 3.8					
		TRJ	IP	02 53 13.8	C			
		LPB	P	02 54 07		0.9	11.0	6.8
			S	55 23				
		PNS	P	02 54 10.8		0.3	4.2	
			S	55 30.3				
JUN	20	TRJ	P	02 55 20.8	D			3.7
			S	56 03.8	D			
JUN	20	LPB	EP	03 59 12				
		PNS	EP	03 59 13.3				
JUN	20	TRJ	P	04 26 35.2	C			3.2
			S	27 13.8	C			
		LPB	EP	04 26 58				
		PNS	(EP)	04 27 01				
JUN	20	TRJ	P	04 35 23.2	C			
JUN	20	USCGS HOKKAIDO, JAPAN REGION	04 31 39.1, 41.4N, 141.7E, H = 140 Km, M = 4.8					
		LPB	EPKP	04 50 57.5				144.4
			EL	05 39 00				
JUN	20	PNS	P	05 11 06		0.3	2.4	1.9
			S	11 29.5				
JUN	20	LPB	P	05 40 31				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	20	USCGS	05 55 53, 51.7N, 178.8W, H = 33 Km, M = 4.2					
		ANDREANOF IS, ALEUTIAN IS						
		PNS	PKP	06 15 02.2		0.6	4.1	
		LPB	PKP	06 15 04.2		0.9	8.5	115.8
JUN	20	PNS	P	06 21 35.4				
JUN	20	TRJ	P	07 58 45.7	C			
JUN	20	USCGS	07 56 57, 11.0N, 69.6W, H = 4 Km, M = 4.5					
		VENEZUELA						
		PNS	EP	08 02 46				
		LPB	EP	08 02 47				27.8
			ES	07 26.5				
			EL	11 00				
		TRJ	EP	08 03 32.3				
JUN	20	USCGS	09 38 16, 4.0S, 104.2W, H = 33 Km, M = 4.6					
		N EASTER I CORDILLERA						
		PNS	P	09 45 25.7				
			ES	51 24				
			E	54 00				
			L	54 45				
		LPB	EP	09 45 31		1.2	15.6	37.4
			S	51 25				
			G	54.3				
			L	56.7				
		TRJ	EP	09 46 09.7				
JUN	20	USCGS	11 01 44, 17.3S, 72.5W, H = 33 Km, M = 4.4					
		NEAR COAST OF PERU						
		PNS	P	11 02 45.4				
			S	03 51				
		LPB	P	11 02 49.5	D	1.0	21.0	4.3
			PG	02 52.6				
			PP	02 59				
			S	03 56				
			L	04.4				
		TRJ	EP	11 03 44.8				
JUN	20	PNS	EP	13 10 23.3				
			S	11 18.8				
		LPB	E(P)	13 10 28				
JUN	20	LPB	EP	13 46 26				
			(S)	46 56				
		PNS	EP	13 46 33.8				3.8
			S	47 17.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	20	USCGS	13 42 57, 28.7N, 76.9E, H = 33 Km, M = 4.7					
		NORTHERN INDIA						
		PNS	PKP	14 02 37.2				
JUN	20	TRJ	P	17 09 34.8				
			S	10 06.7				2.7
JUN	20	PNS	IP	17 29 09.5	C	0.5	156.5	2.2
			S	29 36				
		LPB	IP	17 29 13	C	0.8	136.6	
JUN	20	LPB	EP	17 54 03				
		PNS	EP	17 54 04		0.9	3.1	
JUN	20	USCGS	19 08 57, 20.5S, 174.1W, H = 33 Km, M = 4.5					
		TONGA IS						
		LPB	EPKP	19 22 34		0.8	11.2	98.0
			EL	55 00				
JUN	20	USCGS	20 05 43, 50.7N, 157.4E, H = 31 Km, M = 4.6					
		KURILE IS						
		PNS	PKP	20 24 52				
		LPB	EPKP	20 24 53				130.0
			EL	59 00				
JUN	20	PNS	EP	20 34 46.3		0.6		
JUN	20	USCGS	22 00 08, 10.8S, 161.4E, H = 33 Km, M = 5.0					
		SOLOMON IS						
		PNS	PKP	22 19 05.9				
		LPB	EPKP	22 19 06				123.3
			EL	58 00				
JUN	20	PNS	P	23 30 23.9				
JUN	20	USCGS	23 49 13.2, 35.8S, 72.2W, H = 45 Km, M = 4.5					
		NR COAST OF CENTRAL CHILE						
		LPB	P	23 53 40.5		1.0	12.0	19.4
			(PP)	53 52				
			EL	57 00				
		PNS	P	23 53 42.5		0.8	6.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	21	PNS	EP	00 07 01.5		0.4	3.1	
			S	08 34.7				
JUN	21	TRJ	P	00 52 54.8	C			
JUN	21	USCGS	00 43 13.5, 10.9S, 165.3E, H = 25 Km, M = 5.3					
		SANTA CRUZ IS						
		PNS	EPKP	01 02 06.4				
			SKS	09 07				
		LPB	EPKP	01 02 08				120.7
			EL	41 00				
		TRJ	PKP	01 02 10.6				
JUN	21	TRJ	IP	01 49 37.3	D			
		LPB	EP	01 50 27				
		PNS	P	01 50 33.9		0.3	3.5	
JUN	21	PNS	EP	02 17 35				
JUN	21	PNS	EP	02 39 12.3				
			S	39 45.7				
		LPB	EP	02 39 14				
JUN	21	USCGS	03 04 08, 34.3N, 139.2E, H = 33 Km, M = 4.7					
		NR S COAST OF HONSHU, JAPAN						
		PNS	PKP	03 23 56				
			PPKP	24 02				
			EPKP2	24 04.8				
		LPB	EPKP	03 24 02				150.2
JUN	21	USCGS	03 50 19.2, 28.6N, 142.7E, H = 15 Km, M = 4.9					
		BONIN IS REGION						
		PNS	EP	04 10 07		1.0	6.2	
			I	10 10.5				
		LPB	PKP	04 10 07.7		1.0	9.0	149.0
			E	10 11.2				
			PPKP	10 28				
			EL	05 01 00				
JUN	21	LPB	IP	04 11 45.2		0.6	39.5	2.1
			S	12 11				
		PNS	P	04 11 53.3		0.4	9.1	
			S	12 26.6				
JUN	21	PNS	P	05 04 40.8				
		LPB	EP	05 04 42				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	21	LPB	P	06 06 48.5		0.9	11.0	
			E(S)	07 32				
		PNS	EP	06 06 49.2				
JUN	21	LPB	EP	06 40 37.5				
		PNS	EP	06 40 52.2				
			S	41 21.3				2.4
JUN	21	USCGS	07 11 54, 20.2S, 174.3W, H = 33 Km, M = 4.8					
		TONGA IS						
		LPB	EL	07 58 00				98.0
JUN	21	TRJ	IP	09 18 35.9	D			
JUN	21	PNS	EP	09 53 31				
		LPB	EP	09 53 35				
JUN	21	USCGS	12 51 23, 4.3S, 77.0W, H = 104 Km, M = 4.6					
		NORTHERN PERU						
		LPB	EP	12 54 46				
			ES	57 28				14.9
		PNS	EP	12 54 46				
JUN	21	USCGS	12 59 00.1, 57.9S, 25.7W, H = 16 Km, M = 5.4					
		S SANDWICH IS REG						
		TRJ	IP	13 07 27.0	D			
		LPB	P	13 08 11		0.8	28.0	51.8
			S	15 30				
			EL	24 00				
		PNS	P	13 08 13		0.8	18.3	
			I	09 26.0				
JUN	21	USCGS	13 05 17, 36.8N, 138.0E, H = 42 Km, M = 5.5					
		HONSHU, JAPAN						
		LPB	EPKP	13 25 07				149.3
			EL	14 16 00				
		PNS	PKP	13 25 07.8		0.9	5.2	
JUN	21	PNS	EP	13 33 01.3				
JUN	21	USCGS	13 32 48.8, 5.2S, 144.6E, H = 42 Km, M = 5.5					
		NEW GUINEA						
		PNS	PKP	13 52 11.2		0.9	7.2	
			I	52 14.1				
		LPB	EPKP	13 52 18				140.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	21	USCGS	15 47 42.6, 42.1N, 142.5E, H = 72 Km, M = 4.7					
			HOKKAIDO, JAPAN REGION					
		PNS	EPKP	16 07 33				
JUN	21	PNS	IP	16 27 36.1	D			2.0
			S	28 00				
		LPB	P	16 27 36.5		0.8	11.2	
JUN	21	PNS	P	17 37 44				3.8
			S	38 28				
		LPB	EP	17 37 57				
			(S)	38 31.5				
JUN	21	PNS	P	18 02 44.5	C	1.6	40.1	
JUN	21	USCGS	18 11 43, 16.3N, 94.8W, H = 62 Km, M = 5.2					
			NEW GUINEA REGION					
		PNS	P	18 19 24.5		2.5	380.0	
			PP	19 32.3				
			ES	25 26				
JUN	21	PNS	P	19 18 47.8		0.7	17.9	
JUN	21	USCGS	19 20 27, 11.9S, 166.2E, H = 68 Km, M = 5.5					
			SANTA CRUZ IS					
		PNS	EPKP	19 39 11.9				
JUN	21	PNS	EP	19 52 50		0.9	8.2	
JUN	21	USCGS	19 54 37, 7.4N, 82.6W, H = 33 Km, M = 4.1					
			S OF PANAMA					
		PNS	EP	20 00 13				28.0
		LPB	EP	20 00 27				
JUN	21	LPB	EP	20 15 36				
JUN	21	PNS	EP	21 35 44.1				
			S	36 40				
		LPB	EP	21 35 49				
			S	36 50				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	21	LPB	IP	22 54 28	C	0.9	87.7	3.2
			S	55 06.5				
		PNS	IP	22 54 32.2	C	0.5	54.6	
			IS	55 14.7				
JUN	21	USCGS	23 06 25.9, 50.1N, 157.8E, H = 14 Km, M = 5.8					
			KURILE IS					
		PNS	IPKP	23 25 37.8	C	1.3	39.0	
			PPKP	25 47.6				
		LPB	PKP	23 25 38.5		0.9	25.5	130.2
			EL	00 08 00				
JUN	21	USCGS	23 37 31.3, 56.0S, 27.8W, H = 112 Km, M = 5.1					
			S SANDWICH IS REGION					
		LPB	P	23 46 14.8		1.1	18.4	49.1
			ES	53 11				
			EL	00 01 00				
		PNS	P	23 46 18.4	C	1.0	23.8	
			I	46 36.2				
JUN	22	USCGS	00 07 28, 22.4S, 70.9W, H = 33 Km, M = 4.2					
			NR COAST OF N CHILE					
		LPB	EP	00 09 03		0.9	25.0	6.2
			ES	10 13				
		PNS	IP	00 09 04.3	D	0.5	23.4	
			ES	10 14.8				
JUN	22	PNS	EP	00 28 52.4				
			S	29 25.6				
JUN	22	PNS	EP	01 13 25.2				
			S	13 47.6				
		LPB	EP	01 13 46				
JUN	22	USCGS	01 42 52.8, 17.5S, 167.2E, H = 13 Km, M = 5.1					
			NEW HEBRIDES IS					
		LPB	EPKP	02 08 36				115.0
			EL	44 00				
JUN	22	PNS	IP	02 32 47.4	D	0.5	15.7	1.7
			IS	33 09.2				
JUN	22	PNS	EP	04 13 15.6		1.0	20.2	
			I	13 32.3				
		LPB	EP	04 13 18				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	22	PNS	IP	04 14 20.6	C	0.7	30.3	
			(S)	15 04.3				
		LPB	IP	04 14 25.2	C	1.0	15.0	
JUN	22	USCGS	05 51 53, 34.3S, 103.2W, H = 33 Km, M = 4.3					
		W CHILE RISE						
		PNS	EP	05 58 53.2				
			E	58 53.4				36.0
		LPB	EP	05 58 54				
			ES	04 25				
			EL	06 09.5				
JUN	22	USCGS	07 11 00.8, 14.7N, 92.1W, H = 87 Km, M = 5.1					
		NR COAST OF CHIAPAS, MEXICO						
		PNS	P	07 18 18.4		1.0	10.2	
			IPP	18 35.8				
			I	20 50.3				39.1
		LPB	EP	07 18 20				
			PP	18 41.5				
			S	24 14				
			EL	31 00				
JUN	22	PNS	EP	10 31 32				
JUN	22	PNS	EP	10 45 03.9				
		LPB	EP	10 45 05				
JUN	22	LPB	IP	11 22 24.2	D	1.2	23.4	3.2
			S	23 03				
		PNS	EP	11 22 25				
			(S)	23 07				
JUN	22	USCGS	11 38 53.7, 61.4N, 147.6W, H = 53 Km, M = 5.2					
		S ALASKA						
		PNS	EP	11 52 28.3				
JUN	22	USCGS	15 16 50, 2.1N, 101.9W, H = 33 Km, M = 4.5					
		E CENTRAL PACIFIC OCEAN						
		PNS	P	15 24 05.1				38.2
		LPB	P	15 24 09				
			EL	35 00				
JUN	22	PNS	EP	16 08 40				
JUN	22	PNS	EP	17 45 04				
			S	45 54.4				
		LPB	EP	17 45 06				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	22	USCGS	18 50 25.6, 45.4N, 149.2E, H = 33 Km, M = 5.3					
		KURILE IS						
		LPB	EPKP	18 09 38				137.8
JUN	22	PNS	EP	18 30 01.4				
JUN	22	PNS	EP	19 52 14.4				
		LPB	EP	19 52 24				
JUN	22	USCGS	20 29 03.6, 7.2S, 124.6E, H = 507 Km, M = 6.1					
		BANDA SEA						
		LPB	PKP	20 47 59.5	D	1.3	392.0	153.0
			PPKP	49 39				
			PKS	51 03				
			PP	51 50.3				
			SKS	55 21				
			SS	21 11 00				
			EL	39 00				
		PNS	PKP	20 47 59.6	D	1.4	376.2	
			PPKP	49 36				
			IPKS	51 01				
			PP	51 51				
			SKS	55 21.8				
JUN	22	PNS	EP	21 29 15.4				
			S	30 04.5				
JUN	22	USCGS	21 30 54, 33.3S, 69.8W, H = 32 Km, M = 4.4					
		CHILE-ARGENTINA BOR REG						
		LPB	EP	21 34 44				16.2
		PNS	EP	21 34 45				
JUN	22	PNS	EP	22 15 15.8		0.5	3.2	
JUN	23	USCGS	00 20 17.5, 16.9S, 70.0W, H = 145 Km, M = 4.2					
		S PERU						
		LPB	P	00 20 52		0.8	98.0	1.9
			S	21 15				
		PNS	IP	00 20 54.2	D			
			S	20 19				
JUN	23	PNS	EP	01 34 12.9				2.0
			S	34 36.7				
JUN	23	PNS	EP	02 29 07.8				
		LPB	P	02 29 11.5		1.0	18.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	23	PNS	EP	02 42 14				
JUN	23	LPB	E(P)	02 48 16				
		PNS	EP	02 48 33.7				
JUN	23	PNS	P	05 10 59.6				1.9
			S	11 23				
JUN	23	USCGS	05 01 42.4, 43.8N, 139.9E, H = 218 Km, M = 5.5					
		E SEA OF JAPAN						
		PNS	EPKP	05 20 51.8		1.2	26.9	
			PPKP	21 06				
			IPKS	24 12.8				
		LPB	IPKP	05 20 53.5		1.0	18.0	144.0
			PPKP	21 25.6				
			PKS	24 11				
			EL	06 10 00				
JUN	23	PNS	P	05 29 04.7		0.5	4.8	
		LPB	P	05 29 09.5		0.9	11.0	
JUN	23	USCGS	05 39 18, 38.5N, 139.5E, H = 143 Km, M = 4.7					
		NEAR W COAST OF HONSHU, JAPAN						
		LPB	EPKP	05 58 26				147.4
			EL	06 49 00				
		PNS	PKP	05 59 24.6				
JUN	23	PNS	P	09 18 57		1.0	11.3	
		LPB	EP	09 18 58.5				
JUN	23	USCGS	09 37 03, 14.4S, 21.8E, H = 33 Km, M = 5.3					
		ANGOLA						
		PNS	EP	09 49 47.4				
			I	49 52.2				
		LPB	EP	09 49 49		1.2	15.6	85.4
			EL	10 18 00				
JUN	23	USCGS	13 33 37.6, 15.1N, 90.8W, H = 40 Km, M = 4.2					
		GUATEMALA						
		PNS	E(P)	13 40 57				
			I	41 06.5				
		LPB	EP	13 40 59				38.6
			EL	52 00				
JUN	23	PNS	EP	16 42 05.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	23	LPB	P	20 57 25		1.0	18.0	3.1
			S	58 01				
		PNS	IP	20 57 29.9	C	0.5	18.2	
			S	58 09.0				
JUN	23	PNS	EP	21 09 23.8		0.7	6.6	
			(S)	10 23				
		LPB	EP	21 09 28				
			S	10 33				
JUN	23	USCGS	21 51 57.4, 38.2N, 141.4E, H = 92 Km, M = 5.0					
		NR E COAST OF HONSHU, JAPAN						
		PNS	IPKP	22 11 29.9	D	1.1	87.5	
		LPB	PKP	22 11 30.2	D	0.9	60.0	146.0
			PKP2	11 34				
			EL	23 00 00				
JUN	24	PNS	P	00 57 07.5		0.3	1.9	
JUN	24	PNS	IP	00 57 24.1	D	0.3	5.4	
JUN	24	TRJ	IP	02 15 03.0	C			
JUN	24	USCGS	02 57 02.5, 6.3S, 155.0E, H = 155 Km, M = 5.6					
		SOLOMON IS						
		LPB	EPKP	03 15 57				131.3
			EL	59 00				
		PNS	EPKP	03 15 58				
JUN	24	LPB	EP	03 19 10				
		PNS	EP	03 19 14.4				
JUN	24	LPB	EP	05 41 26				
		PNS	P	05 41 38.6		0.4	3.5	
JUN	24	LPB	P	05 49 56.5		1.1	19.5	3.2
			S	50 24.4				
		PNS	IP	05 49 58.4	C	0.5	5.9	
JUN	24	PNS	IP	05 56 02.2	D	0.4	4.7	1.9
			S	56 25				
JUN	24	PNS	EP	06 32 20.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	24	PNS	EP	07 09 36.2		0.3	2.6	
		LPB	IP	07 09 38.2	C	1.0	16.0	
JUN	24	LPB	EP	07 55 27				
JUN	24	USCGS	08 17 49.1, 26.7S, 177.3W, H = 146 Km, M = 5.3					
		S OF FIJI IS						
		LPB	EP	08 31 10				98.1
			EL	09 04 00				
JUN	24	TRJ	P	09 24 00.6	D			3.2
			S	24 39.2				
JUN	24	LPB	EP	12 05 21				
		PNS	EP	12 05 21.4				
JUN	24	LPB	EP	12 10 42				
			ES	13 30				
		PNS	EP	12 11 00				
			E	12 36.6				
			ES	13 40				
JUN	24	TRJ	P	13 35 02.8	D			
		PNS	EP	13 36 59.0				
JUN	24	TRJ	P	13 44 40.1				
JUN	24	LPB	EP	14 04 15				
			S	04 48				
		PNS	IP	14 04 16.4	C	0.5	4.6	2.6
			S	04 47.8				
JUN	24	PNS	EP	20 03 00				
JUN	24	USCGS	20 00 07, 6.9N, 73.1W, H = 142 Km, M = 4.8					
		N COLOMBIA						
		PNS	P	20 05 05.8		0.3	4.9	
			S	09 06.5				
		LPB	EP	20 05 08		0.7	14.3	23.4
			S	09 09				
			EL	11 00				
JUN	24	LPB	EP	20 28 50				
		PNS	P	20 28 54.6	C	0.4	8.5	6.7
			S	30 10.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	24	USCGS	21 42 49.8, 36.5N, 120.8W, H = 4 Km, M = 4.3					
		CENTRAL CALIFORNIA						
		LPB	ES	22 02 15				72.5
			EL	16 00				
JUN	25	LPB	EP	00 25 14				
		PNS	EP	00 25 45				
			S	26 35.7				
JUN	25	LPB	P	01 45 13.5		0.7	12.0	
		PNS	P	01 45 13.9		0.6	4.7	
JUN	25	PNS	EP	02 05 53		1.0	13.6	
			I	05 57.0				
		LPB	P	02 05 53.5		1.0	17.0	
			I	05 57.5				
		TRJ	EP	02 06 10.5				
JUN	25	PNS	EP	02 14 24				
			(S)	14 56.2				
		LPB	EP	02 14 32				
JUN	25	PNS	P	02 29 29.2				1.7
			S	29 52				
JUN	25	TRJ	P	02 50 26.2				3.8
			S	51 10.9				
JUN	25	LPB	EP	05 04 08				
		PNS	EP	05 04 09				
JUN	25	TRJ	IP	06 30 01.4	D			3.3
			IS	30 40.9				
		LPB	EP	06 30 21				
		PNS	EP	06 30 25.7				
			(S)	31 24				
JUN	25	TRJ	P	09 06 07.8	C			2.8
			S	06 41.1				
JUN	25	PNS	EP	11 24 14.9				
JUN	25	LPB	EP	11 24 33				
		PNS	EP	11 24 33.1				
JUN	25	LPB	EP	11 30 25				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	25	USCGS	13 16 49.9, 29.3N, 141.9E, H = 41 Km, M = 4.1					
			SOUTH OF HONSHU, JAPAN					
		LPB	EPKP	13 36 29				149.7
			EL	14 28 00				
		PNS	EPKP	13 36 35				
JUN	25	PNS	EP	14 31 37.7				
			E	31 44				
JUN	25	LPB	EP	14 37 41				
		PNS	EP	14 37 43.0				
JUN	25	LPB	EP	15 17 31				
		PNS	P	15 17 32.4		0.5	7.8	
JUN	25	USCGS	16 01 21.5, 10.1S, 160.9E, H = 78 Km, M = 5.6					
			SOLOMON IS					
		LPB	EPKP	16 20 11				124.4
			EL	17 00 00				
		PNS	PKP	16 20 15.2				
JUN	25	PNS	P	16 49 16.6		0.6	6.6	
JUN	25	USCGS	17 24 38.9, 13.7N, 91.2W, H = 119 Km, M = 5.3					
			NR COAST OF GUATEMALA					
		PNS	IP	17 31 48.8	C	1.0	15.3	
		LPB	EP	17 31 49		0.9	11.0	38.0
			EL	43 00				
JUN	25	PNS	EP	17 44 13.5				
JUN	25	LPB	P	17 44 29.5		0.8	32.2	
		PNS	IP	17 44 32.2	C	1.0	50.1	
JUN	25	LPB	EP	18 33 00				
		PNS	EP	18 33 05				
JUN	25	USCGS	18 38 35.7, 5.0S, 151.4E, H = 123 Km, M = 5.6					
			NEW BRITAIN REGION					
		PNS	EPKP	18 57 33.4				
			PPKP	57 42.8				
		LPB	EPKP	18 57 44		0.9	11.0	135.2
			EL	19 42 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	25	PNS	EP	19 01 03.6				
			I	01 07.5				
		LPB	EP	19 01 06				
JUN	25	PNS	EP	20 17 27		0.3	5.2	
JUN	25	PNS	IP	21 13 41.8	C	0.5	10.7	5.6
			S	14 46.6				
JUN	25	USCGS	21 32 12, 53.3N, 171.1E, H = 33 Km, M = 4.6					
			NEAR IS, ALEUTIAN IS					
		LPB	EPKP	21 51 08				121.6
			EL	22 30 00				
JUN	25	USCGS	23 17 06.1, 16.0N, 96.5W, H = 40 Km, M = 4.8					
			OAXACA, MEXICO					
		LPB	EP	23 24 56				42.9
			EL	37 00				
		PNS	EP	23 24 57.8				
JUN	26	PNS	EP	00 51 57				
		LPB	EP	00 52 02				
JUN	26	LPB	EP	04 30 43				
		PNS	P	04 30 43.6				
JUN	26	PNS	EP	05 51 22.4				2.2
			S	51 48				
JUN	26	PNS	P	06 05 05.2		0.2	3.9	1.8
			S	05 28				
JUN	26	PNS	EP	06 07 03.8				5.8
			S	08 11.5				
		LPB	EP	06 07 14		1.0	12.0	
JUN	26	USCGS	06 49 18, 21.2S, 174.3W, H = 33 Km, M = 3.9					
			TONGA IS					
		PNS	EP	06 53 51				
JUN	26	USCGS	07 34 55.8, 36.8N, 138.1E, H = 33 Km, M = 4.4					
			HONSHU, JAPAN					
		LPB	EPKP	07 54 38				149.0
			EL	08 45 00				
		PNS	EPKP	07 54 39.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	26	PNS	EP	08 05 01.1				
		LPB	EP	08 05 09				
JUN	26	USCGS	10 37 10, 30.7S, 67.6W, H = 102 Km, M = 4.0					
		SAN JUAN PROVINCE, ARGENTINA						
		LPB	EP	10 40 31				14.0
		PNS	EP	10 40 32				
JUN	26	USCGS	10 56 09, 26.3N, 93.0E, H = 48 Km, M = 5.0					
		EASTERN INDIA						
		PNS	EPKP	11 16 46				
JUN	26	PNS	IP	12 08 13.1	D	0.5	10.1	2.0
			S	08 37.6				
JUN	26	USCGS	13 16 58.8, 37.0N, 36.1E, H = 33 Km, M = 4.5					
		TURKEY						
		LPB	EPKP	13 35 09				111.0
			EL	14 10 00				
JUN	26	PNS	P	15 52 55.2	D	0.4	6.5	1.8
			S	53 17.3				
JUN	26	USCGS	17 45 10, 9.3S, 111.7E, H = 33 Km, M = 5.4					
		S OF JAVA						
		LPB	EPKP	18 05 07				154.5
			EL	58 00				
JUN	26	PNS	EP	18 49 33.3		0.8	6.5	
JUN	26	PNS	EP	19 25 26.3				
JUN	26	PNS	EP	21 05 47.4		0.3	2.8	
			(S)	06 21.9				
		LPB	EP	21 06 00				
JUN	26	PNS	IP	22 04 21.9	D	0.3	28.3	2.4
			S	04 51.7				
JUN	26	PNS	P	23 45 46				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	26	USCGS	23 30 52.5, 31.9N, 104.0E, H = 33 Km, M = 5.2					
		SZECHWAN, PROVINCE CHINA						
		LPB	EPKP	23 50 55.5				163.0
			EL	00 50 00				
		PNS	PKP	23 50 57				
JUN	27	LPB	EP	03 03 01.5				
JUN	27	LPB	EP	05 22 42				
		PNS	P	05 22 42.4		0.9	7.2	
			I	22 51.0				
JUN	27	PNS	IP	05 46 37.0	C			1.8
			S	46 59.6				
		LPB	IP	05 46 38	C	0.7	9.1	
			(S)	46 47.5				
JUN	27	LPB	EP	06 24 36				
		PNS	EP	06 24 41.4				
JUN	27	PNS	EP	07 19 16		0.6	4.0	
			S	19 52.7				
		LPB	P	07 19 20		0.8	4.9	3.3
			S	19 59				
JUN	27	LPB	P	07 46 39.5				
JUN	27	USCGS	08 29 33, 19.2N, 108.1W, H = 33 Km, M = 4.4					
		REVILLA GIGEDO IS REG						
		PNS	IP	08 38 47.2	D	1.0	17.0	
		LPB	P	08 38 49.5		1.2	31.2	53.1
JUN	27	USCGS	08 38 45.8, 22.7S, 175.8W, H = 60 Km, M = 5.3					
		TONGA IS REG						
		LPB	EP	08 52 19				99.1
			EL	09 25 00				
		PNS	P	08 52 23				
JUN	27	USCGS	09 25 21, 19.3N, 108.1W, H = 33 Km, M = 3.9					
		REVILLA GIGEDO IS REG						
		PNS	EP	09 34 34.8		1.0	8.2	
		LPB	EP	09 34 37				54.0
			EL	52 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	27	USCGS	10 41 08.6, 29.7N, 80.9E, H = 233 Km, M = 6.1					
			NEPAL-INDIA BOR REG					
		LPB	PKP	11 00 52.5		1.5	600.0	148.0
			IPKP2	00 56.5				
			PKS	04 20				
			PS	14 22				
			SS	23 20				
			EL	50 00				
		PNS	PKP	11 00 53.2		1.1	41.4	
			IPKP2	00 57.4				
			PS	14 19.0				
JUN	27	USCGS	10 47 43.3, 29.5N, 80.9E, H = 28 Km, M = 5.3					
			NEPAL-INDIA BOR REG					
		LPB	PKP	11 07 31.5		0.9	15.3	148.6
		PNS	PKP	11 07 33.2		1.3	24.1	
JUN	27	USCGS	10 49 50, 29.8N, 80.7E, H = 33 Km, M = 5.8					
			NEPAL-INDIA BOR REG					
		LPB	EPKP	11 09 25				148.1
			PKP2	09 34				
			EL	59 00				
		PNS	PKP	11 09 25.7				
			IPPKP	09 35.7				
			PP	13 06				
JUN	27	USCGS	10 59 18.1, 29.7N, 81.0E, H = 40 Km, M = 6.0					
			NEPAL-INDIA BOR REG					
		LPB	PKP	11 19 01.5		1.5	166.0	148.2
			PKS	22 35				
			SKS	26 40				
			L	12 09 00				
		PNS	PKP	11 19 03.0	C	1.3	131.8	
			I	19 07.6				
			PKS	22 33.8				
			PP	25 56.9				
			ESKS	26 40				
JUN	27	USCGS	11 21 43, 29.7N, 80.8E, H = 33 Km, M = 5.4					
			NEPAL-INDIA BOR REG					
		LPB	PKP	11 41 27.5		1.0	26.0	148.9
			EL	12 31 00				
		PNS	PKP	11 41 28.6		1.0	25.5	
			I	43 58.2				
JUN	27	PNS	P	11 50 41				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	27	LPB	IP	12 15 37	D	1.2	310.0	
			(S)	16 05.5				
		PNS	IP	12 15 37.6	D	0.5	86.0	2.3
			S	16 06.4				
JUN	27	USCGS	12 14 05, 16.4S, 174.8W, H = 80 Km, M = 4.6					
			TONGA IS					
		PNS	EP	12 27 43				
		LPB	EPKP	12 27 44				100.5
JUN	27	USCGS	13 31 36, 55.8S, 27.2W, H = 33 Km, M = 4.4					
			S SANDWICH IS REG					
		LPB	EP	13 40 30				
		PNS	EP	13 40 31				49.9
			I	40 33.0				
JUN	27	USCGS	13 55 51.9, 29.6N, 80.8E, H = 35 Km, M = 5.4					
			NEPAL-INDIA BOR REG					
		LPB	PKP	14 15 36.5		1.5	140.0	148.8
			EL	15 06 00				
		PNS	PKP	14 15 37.0	C	1.1	32.7	
			I	15 40.6				
JUN	27	PNS	P	14 18 03.6		0.3	3.5	1.9
			S	18 27.0				
JUN	27	PNS	P	15 54 11.0	C	0.5	4.7	2.9
			S	54 46.6				
		LPB	EP	15 54 43				
			(S)	54 47				
JUN	27	LPB	EP	17 07 21				3.6
			S	08 03				
		PNS	EP	17 07 22.8				
			S	07 55.0				
JUN	27	LPB	EP	20 29 08				
			S	29 33				
		PNS	IP	20 29 09.6	D			1.8
			S	29 32				
JUN	27	USCGS	21 47 05.5, 38.0S, 177.2E, H = 54 Km, M = 5.7					
			NORTH IS NEW ZELAND					
		PNS	EP	22 00 41				
			E	01 08.2				
		LPB	EP	22 00 42				
			EL	34 00				97.7

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	27	USCGS	22 44 22.1, 7.3N, 125.0E, H = 39 Km, M = 6.3					
			MINDANAO, PHILIPPINE IS					
		LPB	EPKP	23 04 19				164.2
			EL	00 03 00				
JUN	28	LPB	EP	02 01 03				
JUN	28	USCGS	01 49 59.2, 5.6S, 146.4E, H = 32 Km, M = 5.0					
			E NEW GUINEA REGION					
		LPB	EPKP	02 09 19				139.3
			EL	56 00				
		PNS	EPKP	02 09 19.5				
JUN	28	USCGS	04 08 54.7, 35.8N, 120.6W, H = 5 Km, M = 5.0					
			CENTRAL CALIFORNIA					
		LPB	EP	04 20 20				72.0
			EL	43 00				
		PNS	EP	04 20 21				
JUN	28	USCGS	04 26 12.4, 35.9N, 120.5W, H = 4 Km, M = 5.3					
			CENTRAL CALIFORNIA					
		LPB	EP	04 37 38.5				72.0
			I	37 42.8				
			PP	37 50				
			ESS	47 03				
			EL	05 00 00				
		PNS	EP	04 37 38.6				
			PP	37 50.6				
			S	47 05				
			SS	51 46				
JUN	28	LPB	EP	05 26 36				
JUN	28	LPB	P	05 50 52.7				1.1
			S	51 07				
		PNS	IP	05 51 06	C	0.5	5.4	
			S	51 19.8				
JUN	28	PNS	EP	08 09 38.7				
		LPB	EP	08 09 39				
JUN	28	LPB	EP	08 52 08				
JUN	28	LPB	EP	09 30 15				
JUN	28	PNS	P	09 34 11.4	C	0.3	5.6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	28	LPB	P	09 48 52		1.0	40.0	
		PNS	EP	09 48 59.4		0.6	10.1	
			S	49 51				
JUN	28	TRJ	P	10 37 32.9	C			
		LPB	EP	10 37 33				
		PNS	EP	10 37 46				
JUN	28	USCGS	11 39 02.1, 10.2S, 161.2E, H = 33 Km, M = 56					
			SOLOMON IS					
		LPB	EPKP	11 58 00				124.4
			EL	12 38 00				
		PNS	PKP	11 58 01.8				
JUN	28	TRJ	P	11 59 05.9	D			2.7
			S	59 38.1	C			
JUN	28	USCGS	12 19 20, 7.2S, 128.0E, H = 138 Km, M = 4.5					
			BANDA SEA					
		LPB	EPKP	12 38 52				151.2
			E	39 05				
			EL	13 31 00				
		PNS	E	12 39 05.7		0.9		
JUN	28	LPB	P	13 17 31		1.0	20.0	
		PNS	EP	13 17 34		0.8	13.0	
JUN	28	LPB	P	14 20 06		0.5	26.0	2.7
			S	20 38.5				
		PNS	P	14 20 06.6				
			S	20 38.6				
JUN	28	PNS	IP	15 27 10.9	C	0.6	10.1	
JUN	28	USCGS	15 43 37, 52.0N, 178.4W, H = 78 Km, M = 4.0					
			ANDREANOF IS, ALEUTIAN IS					
		LPB	EPKP	16 03 27		0.9	11.0	148.9
			EL	54 00				
		PNS	P	16 03 27.6		0.8	9.1	
			I	03 29.9				
JUN	28	PNS	EP	16 35 16				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	28	USCGS	16 47 49, 27.0N, 125.9E, H = 100 Km, M = 5.0					
		NE OF TAIWAN						
		LPB	EPKP	17 07 30				163.4
			E	07 42.5				
			EL	18 05 00				
		PNS	EPKP	17 07 41.7				
			I	07 44.0				
JUN	28	LPB	EP	18 51 20				
		PNS	EP	18 51 21				
JUN	28	LPB	EP	19 57 03				
		PNS	EP	19 57 49.2		0.8	15.4	
JUN	28	PNS	P	20 20 59.4	D	0.5	12.6	1.8
			S	21 21.2				
JUN	28	USCGS	22 07 09, 21.2S, 68.5W, H = 134 Km, M = 4.8					
		CHILE-BOLIVIA BOR REG						
		LPB	P	22 08 20		0.9	29.0	4.7
			ES	09 06.5				
		PNS	IP	22 08 22.6	C	0.4	5.2	
JUN	28	USCGS	22 57 03, 24.7N, 121.6E, H = 33 Km, M = 4.8					
		TAIWAN						
		PNS	PKP	23 17 09.1		1.0	10.9	
		LPB	EPKP	23 17 10		0.9	12.0	167.4
			EL	00 16 00				
JUN	29	LPB	P	00 26 16.5		0.9	25.5	4.0
			S	27 03.5				
		PNS	P	00 26 18		0.5	3.9	
			I	26 37.4				
			S	27 07.3				
JUN	29	USCGS	00 36 16, 2.2S, 77.8W, H = 164 Km, M = 3.8					
		PERU-ECUADOR BOR REG						
		LPB	EP	00 40 08				16.8
		PNS	EP	00 40 15.4				
JUN	29	TRJ	IP	00 56 28.3	D			2.6
			IS	56 59.7				
		LPB	P	00 56 46.5		1.0	12.0	
		PNS	P	00 56 50.6	C	0.5	6.3	
JUN	29	TRJ	P	02 13 45.5	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	29	PNS	EP	02 51 04		0.5	4.7	
JUN	29	USCGS	06 57 58.1, 49.9N, 78.0E, H =				M = 5.7	
		E KAZAKH SSR						
		PNS	PKP	07 17 18.9				
		LPB	EPKP	07 17 26				137.3
			EL	08 03 00				
JUN	29	USCGS	07 38 14, 19.4S, 174.2W, H = 50 Km, M = 4.5					
		TONGA IS						
		LPB	EP	07 51 40				97.8
			EL	08 24 00				
		PNS	EP	07 51 41				
JUN	29	TRJ	P	08 11 57.0	C			
JUN	29	PNS	E(P)	11 27 46.6				
		LPB	EP	11 27 47				
JUN	29	LPB	EP	11 35 48				
		PNS	P	11 35 57.2				
JUN	29	LPB	EP	13 26 27				
		PNS	EP	13 26 28.9				
JUN	29	LPB	P	14 35 48	C	1.1	60.0	3.6
			I	36 45				
			S	36 29.6				
		PNS	EP	14 35 49.9				
			I	36 07.0				
			S	36 34				
JUN	29	LPB	EP	17 24 50				
		PNS	P	17 24 54		0.6	10.3	2.9
			IS	25 29				
JUN	29	USCGS	19 53 24.1, 35.8N, 120.5W, H = 5 Km, M = 4.9					
		CENTRAL CALIFORNIA						
		LPB	EP	20 04 46				72.0
			EL	28 00				
JUN	29	USCGS	21 46 54.5, 13.8S, 166.7E, H = 35 Km, M = 6.2					
		NEW HEBRIDES IS						
		LPB	EP	22 01 55				109.3
			EL	40 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	29	PNS	EP	22 33 27.8				3.4
			S	34 08				
		LPB	EP	22 33 58				
JUN	29	USCGS	22 51 22.7, 24.2N, 122.5E, H = 33 Km, M = 5.2					
		TAIWAN REGION						
		PNS	EPKP	23 11 27.6				
		LPB	EPKP	23 11 29		1.1	18.4	167.2
			EL	00 10 00				
JUN	29	LPB	IP	23 12 43	D	0.5	91.0	
			S	13 11.5				
JUN	29	TRJ	P	23 23 33.8	D			
JUN	30	TRJ	P	02 23 42.0	D			2.8
			S	24 15.1	D			
JUN	30	TRJ	IP	03 11 59.1	D			2.6
			S	12 30.3				
JUN	30	PNS	P	04 52 33.2				
JUN	30	PNS	P	04 58 14.6				
JUN	30	PNS	IP	05 14 22.9	C	0.4	19.7	2.3
			S	14 51				
		LPB	EP	05 14 26				
JUN	30	LPB	P	05 33 52.5	D	1.0	22.0	
		PNS	EP	05 33 53.6		0.9	22.3	
JUN	30	PNS	P	05 49 25.3				
JUN	30	PNS	EP	07 09 45.5				
		LPB	P	07 09 46.8		1.0	10.0	
JUN	30	PNS	EP	07 41 49.6				
			S	42 53.8				
		LPB	EP	07 42 02				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	30	USCGS	07 49 42, 5.7S, 146.8E, H = 61 Km, M = 4.7					
		EAST NEW GUINEA REGION						
		PNS	EPKP	08 08 57				
		LPB	EPKP	08 08 58				138.2
			EL	55 00				
JUN	30	USCGS	08 48 10, 17.6N, 94.5W, H = 113 Km, M = 3.6					
		CHIAPAS, MEXICO						
		PNS	EP	08 55 50.6				
			E	55 36.4				
JUN	30	PNS	EP	09 18 39.6				
		LPB	P	09 18 40		0.8	7.0	
JUN	30	TRJ	P	09 45 29.5	D			
JUN	30	PNS	EP	09 58 35.4				
JUN	30	PNS	P	10 23 21.3	D	0.3	7.1	
JUN	30	USCGS	10 39 01, 11.3N, 85.9W, H = 203 Km, M = 3.9					
		NICARAGUA						
		PNS	P	10 45 18.1		0.8		
		TRJ	IP	10 46 22.0	C			
JUN	30	USCGS	10 49 53, 6.8S, 76.8W, H = 23 Km, M = 4.8					
		NORTHERN PERU						
		PNS	EP	10 52 51.7				
			ES	55 56.4				
		LPB	P	10 52 52.2		1.1	15.0	12.9
JUN	30	USCGS	12 27 41.9, 9.6N, 126.7E, H = 44 Km, M = 5.4					
		MINDANAO, P. I.						
		PNS	EPKP	12 47 43				
		LPB	EPKP	12 47 45		2.2	16.8	164.3
			EL	13 47 00				
JUN	30	PNS	IP	13 34 28.4	D	0.3	7.8	3.2
			S	35 06				
JUN	30	TRJ	P	13 46 56.3	C			
JUN	30	TRJ	P	13 49 48.8	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	30	USCGS	15 45 26, 24.4N, 122.2E, H = 47 Km, M = 5.4					
		TAIWAN REGION						
		PNS	PKP	16 05 31.2		1.2	65.9	
		LPB	PKP	16 05 31.5		1.3	59.0	167.3
			PPKP	05 47.5				
			PKP2	06 36.2				
			EL	17 04 00				
JUN	30	PNS	P	20 01 28.3				
JUN	30	PNS	EP	20 25 01				
			(S)	25 47.8				
JUN	30	PNS	IP	22 26 12.9	C	1.5	150.5	
			PP	29 04.0				
		LPB	IP	22 26 15.5	C	1.4	438.0	
			PP	29 05.5				
			EL	50 00				
JUN	30	LPB	EP	22 54 17				
		PNS	EP	22 54 18		1.5	100.0	

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