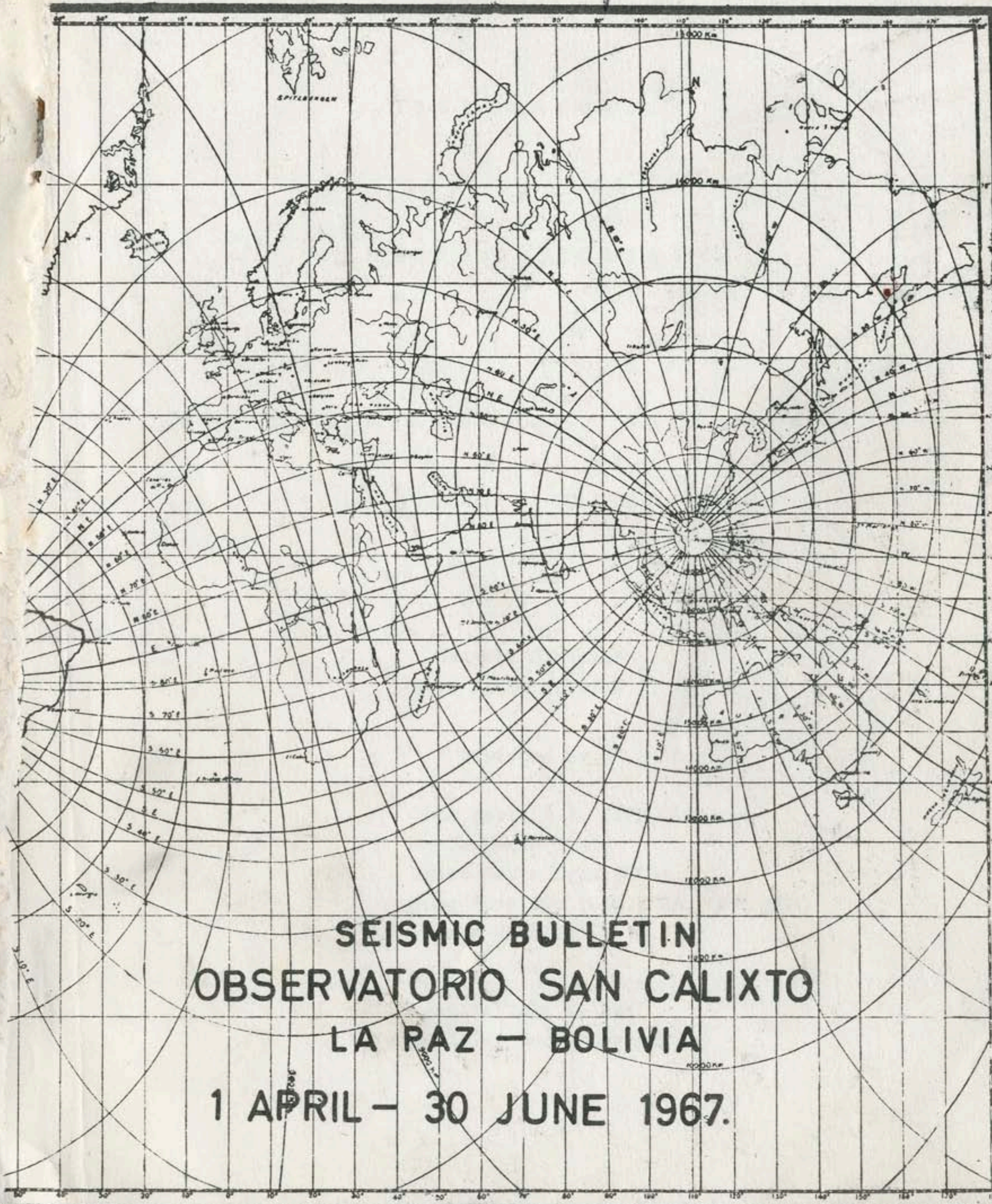
BUT NOT ~~PNL~~ PNS and LPB

- PARA LA PAZ

PWY



SEISMIC BULLETIN

OBSERVATORIO SAN CALIXTO

LA PAZ — BOLIVIA

1 APRIL — 30 JUNE 1967.

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

1967

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

STATIONS OF THE "SAN CALIXTO OBSERVATORIO" NETWORK

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

LOCATION	CODE	LATITUDE	LONGITUDE	ALTITUDE (Mts)	INSTRUMENTS	MAGNIFICATION
Peñas	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.	250.000 at 1 cps
					SP Hor. Benioff, To=1 sec, Tg=2 sec.	250.000 at 1 cps
					LP, three components Sprengnether, To = 20 sec., Tg = 30 sec.	20.000 at 25 sec.
La Paz (WWNSS)	LPB	16°31'57.6"S	68°05'54.1W	3292	SP three components Benioff, To=1 sec. Tg = .75 sec.	50.000 at 1 cps
					LP, three components Sprengnether, To = 15 sec., Tg = 100 sec.	1.500 at 15 sec.
La Paz (Colegio)	LPZ	16°29'43"S	68°07'57.7"W	3658	Wilson-Lamison, SP vertical,To=1.2 sec. Tg = 1 sec.	
					LP, three components, Galitzin-Wilip To = 12 sec., Tg = 12.6 sec.	1.000 at 12 sec.
					Mainka,NS, To=14 sec. EW, To=12 sec.	180 and 300
					San Calixto Pendulo EW, To=2.4 sec	700
Chacaltaya	CHA	16°20'45"S	68°07'31"W	5220	SP vertical Wilson-Lamison To = 1 sec.	
Cochabamba	CCH	17°22'56"S	66°08'34"W	2500	SP vertical Wilson-Lamison To = 1 sec.	
Sicasica	SCS	17°17'05"S	67°48'55"W	3900	SP vertical Wilson-Lamison To = 1 sec.	
Tarija	TRJ	21°30'47"S	64°46'34"W	2100	SP vertical Wilson-Lamison To = 3 sec.	

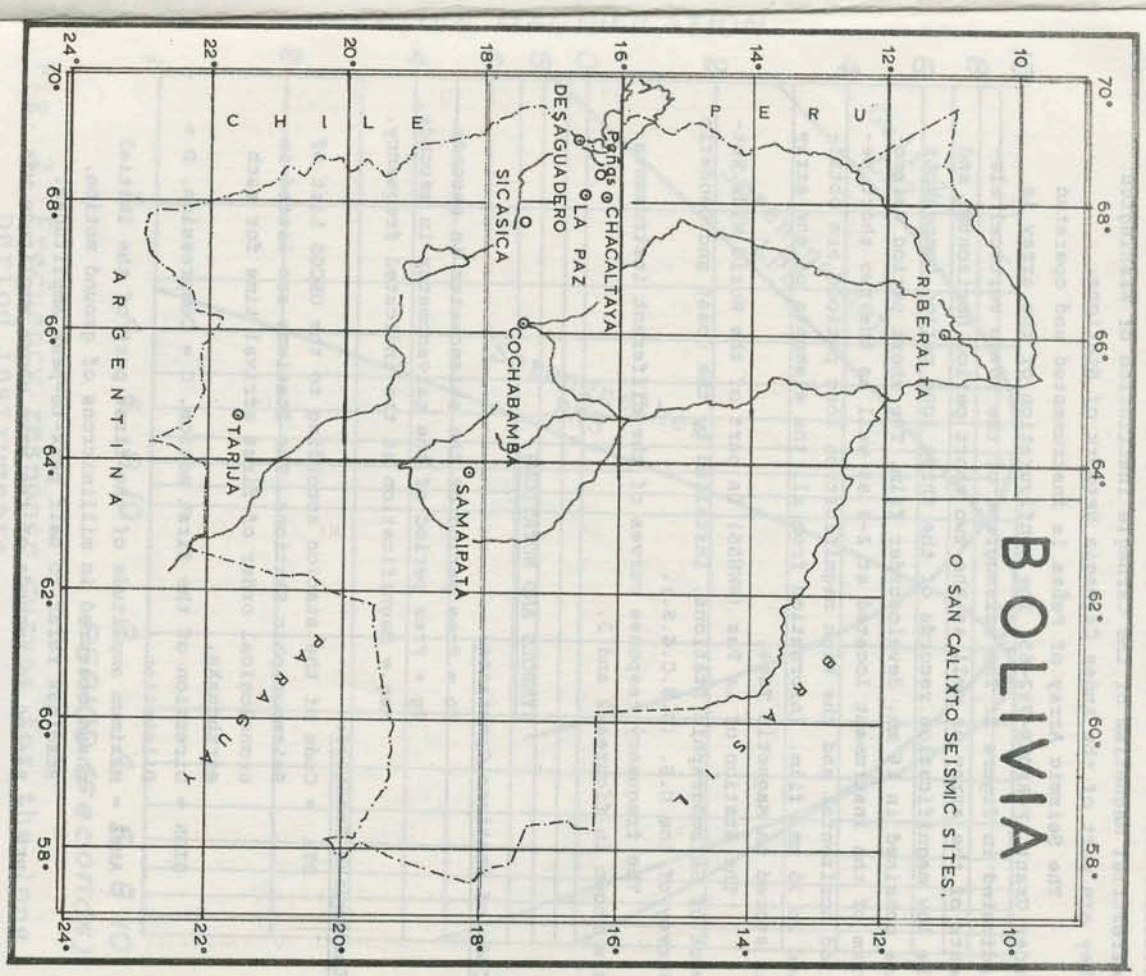


Fig. 1. Location of Bolivian network of seismic stations.

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

The Seismic Array of Peñas is instrumented and operated under Grant AF-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 Isodiastematic Curves centered at La Paz.

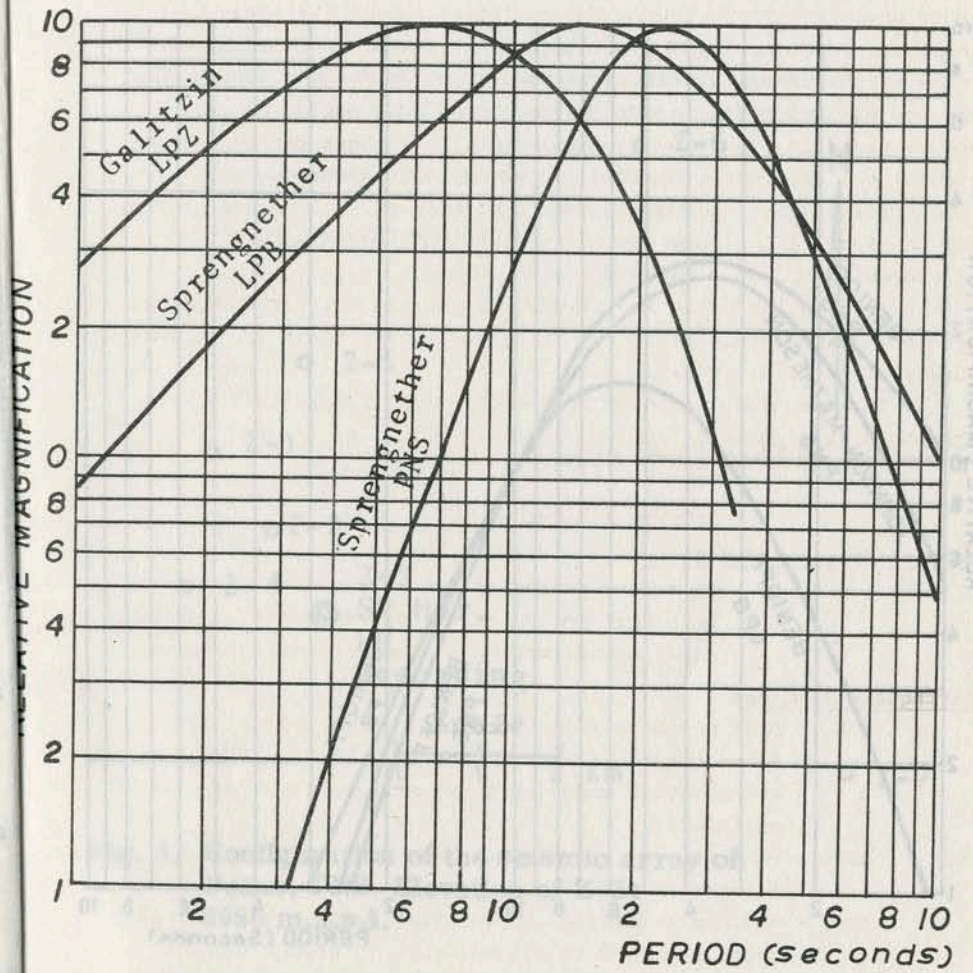


Fig. 2. Frecuency response curves for the long period instruments.

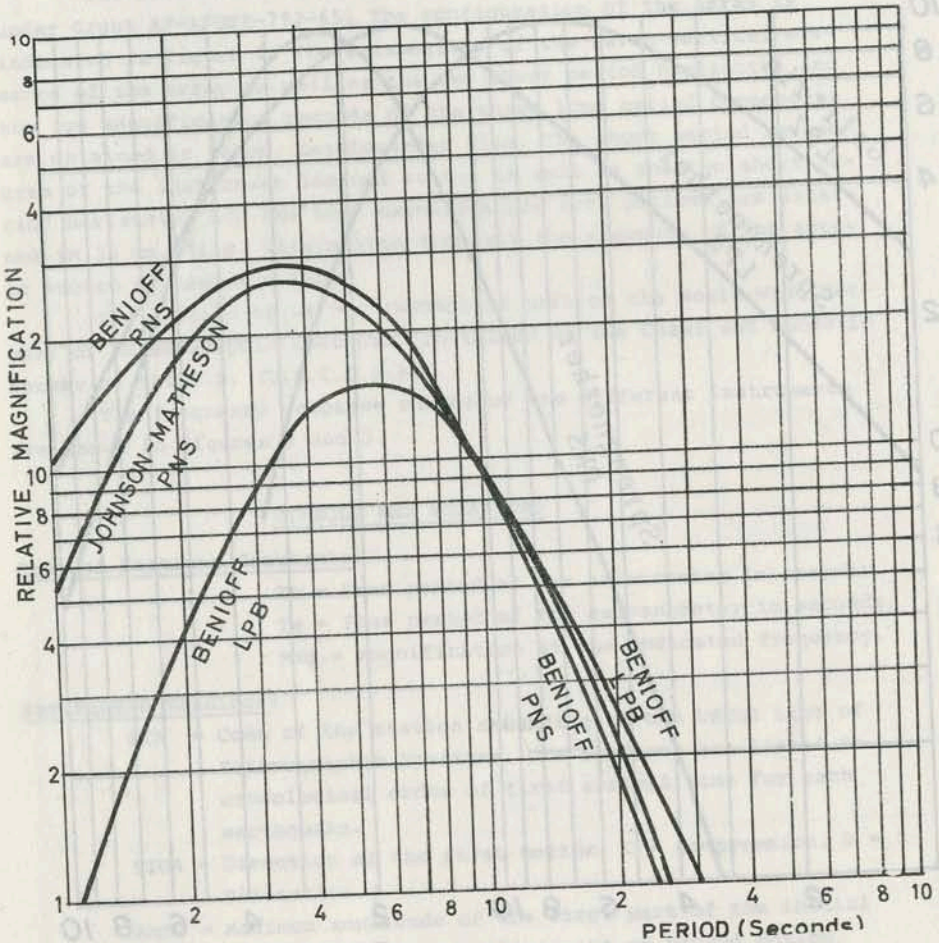


Fig. 3. Frequency response curves for the short period instruments.

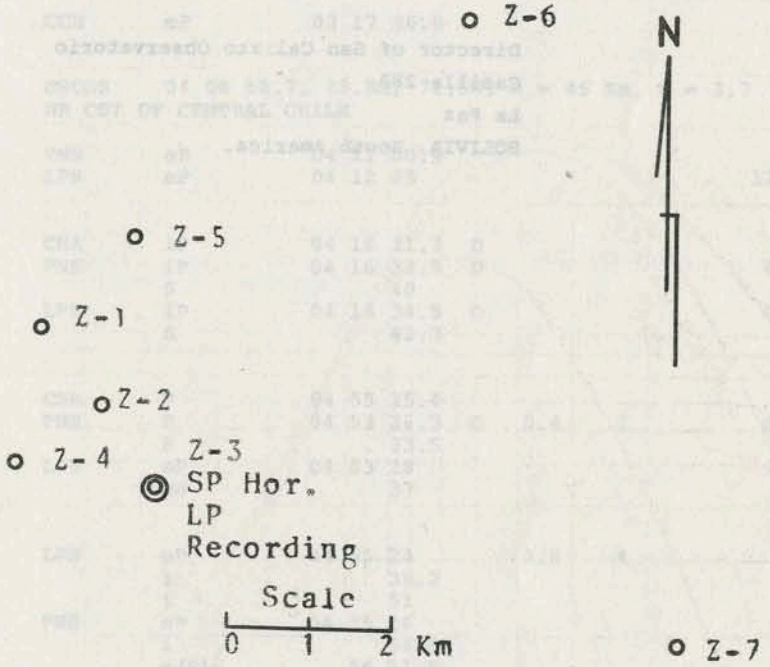


Fig. 4. Configuration of the seismic array of Peñas, PNS Elevation of Z-3: 3986 m.a.s.l.

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	CHA	iP	00 03 21.4	D			
		PNS	iP	00 03 22.5	D	0.5	18	0.4
			eS	29.8				
		LPB	P	00 03 24.3	D	0.7	21	
APR	1	CHA	eP	00 26 30.0				
		PNS	P	00 26 32.0	C			0.4
			S	39.2				
APR	1	CCH	eP	03 17 06.6				
APR	1	USCGS	04 08 58.7, 28.8S, 71.5W, H = 46 Km, M = 3.7					
		NR CST OF CENTRAL CHILE						
		PNS	eP	04 12 00.4				
		LPB	eP	04 12 05				12.8
APR	1	CHA	iP	04 16 31.3	D			
		PNS	iP	04 16 32.5	D			0.4
			S	40				
		LPB	iP	04 16 34.5	D			0.5
			S	42.7				
APR	1	CHA	P	04 53 25.4				
		PNS	P	04 53 26.3	C	0.4	2	0.4
			S	33.5				
		LPB	eP	04 53 28				0.6
			eS	37				
APR	1	LPB	eP	04 55 24		0.8	4	
			i	38.2				
			i	51				
		PNS	eP	04 55 26				
			i	54.6				
			e(S)	56 11.8				
APR	1	CHA	iP	05 15 53.3	D			0.4
			S	59.6				
		PNS	P	05 15 55.0	D	0.5	4	0.5
			S	16 02.6				
		LPB	eP	05 15 56.5				
APR	1	CHA	iP	05 59 27.6	D			
		PNS	iP	05 59 29.1	C	0.7	38	
			(S)	36				
		LPB	P	05 59 31	D	0.6	28	0.4
			S	38.4				
APR	1	LPB	P	06 11 49.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	1	PNS	eP	06 12 37				
			S	13 22				
APR	1	USCGS	05 54 19.1, 45.8N, 151.8E, H = 40 Km, M = 5.7					
			KURILE IS					
		LPB	ePKP	06 13 37		1.0	26	135.9
			i	45.5				
			ipPKP	51.5				
			PP	16 24.5				
			eSS	34 26				
			eL	59.6				
		PNS	ePKP	06 13 38		1.4	30	
			i(pPKP)	51				
			PP	16 13.6				
			PKS	17 05.2				
			S	34 24				
			L	59.5				
APR	1	USCGS	05 57 09.1, 46.3N, 152.0E, H = 40 Km, M = 5.5					
			KURILE IS					
		LPB	ePKP	06 16 24				135.4
			eL	07 01				
		PNS	ePKP	06 16 26.4	C	1.7	48	
APR	1	CHA	P	06 36 05.1				
		PNS	iP	06 36 06.7	C	0.7	6	0.4
			S	13.6				
		LPB	P	06 36 08.5				0.5
			S	16.8				
APR	1	CHA	iP	07 22 35.6				
		PNS	iP	07 22 36.7	D	0.5	4	0.4
			S	44				
		LPB	iP	07 22 38.6		0.6	5	0.5
			eS	47				
APR	1	PNS	eP	07 53 07.8				0.3
			S	14				
APR	1	USCGS	07 37 41.6, 45.9N, 151.8E, H = 40 Km, M = 4.7					
			KURILE IS					
		LPB	eL	08 41				135.6
		PNS	eL	08 41.9				
APR	1	USCGS	07 48 27.8, 45.9N, 152.0E, H = 40 Km, M = 5.0					
			KURILE IS REG					
		LPB	ePKP	08 07 41				135.6
			eL	53				
		PNS	ePKP	08 07 46				
			eL	53				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	1	USCGS	08 57 29.6, 30.7N, 114.1W, H = 33 Km, M = 4.0					
			GULF OF CALIFORNIA					
		LPB	eP	08 48 07				64.8
			eL	09 08				
		PNS	eL	09 08.6				
APR	1	USCGS	09 25 30.9, 7.6N, 75.3W, H = 85 Km, M = 4.1					
			N COLOMBIA					
		PNS	P	09 30 46.3		0.4	1	
		LPB	eP	09 30 46.5				24.4
			eL	36				
APR	1	CHA	iP	10 34 05.0				
		PNS	iP	10 34 06.3	D	0.6	6	0.5
			S	14				
		LPB	P	10 34 08		0.8	12	
APR	1	USCGS	10 41 00.2, 4.6S, 105.8W, H = 33 Km, M = 5.0					
			N EASTER IS CORDILLERA					
		PNS	P	10 48 21.5		1.6	42	
			pP	31.6				
			i	49 21.0				
			PP	57.0				
			PcP	50 45.2				
			S	54 14.0				
			SS	56 07				
			L	59.8				
APR	1	USCGS	12 28 35.5, 15.7N, 151.8E, H = 40 Km, M = 5.4					
			KURILE IS					
		PNS	PKP	12 42 54		2.0	78	
			pPKP	43 06.0				
			PKS	46 23.0				
			SS	13 03 42				
			L	27.8				
		LPB	PKP	12 42 54.3		1.0	30	135.9
			epPKP	43 06.5				
			PP	45 27.5				
			PS	56 23				
			eSS	13 03 42				
			eL	28.8				
APR	1	USCGS	12 41 40.6, 63.7N, 18.9W, H = 2 Km, M = 4.8					
			ICELAND					
		LPB	eP	12 54 30				88.7
			eL	13 24				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	1	USCGS	13 44 41.6, 27.9S, 67.3W, H = 185 Km, M = 3.9					
		CATAMARCA PROV, ARGENTINA						
		LPB	P	13 47 20				11.1
		PNS	P	13 47 23.5				
APR	1	PNS	eP	13 50 47.5				0.3
			S	54				
APR	1	LPB	eP	14 05 38				0.2
		CHA	P	14 05 43.3				
			S	48.6				0.3
		PNS	P	14 05 45				
			S	51.3				
APR	1	USCGS	14 00 33.8, 45.8N, 151.7E, H = 23 Km, M = 5.4					
		KURILE IS						
		LPB	ePKP	14 19 54				135.9
			eL	15 05				
		PNS	PKP	14 19 54	1.0	4		
			pPKP	20 07.2				
			L	15 06				
APR	1	PNS	P	16 53 20.0	0.6	9		3.2
			S	57.8				
APR	1	USCGS	17 15 45.7, 45.9N, 152.0E, H = 33 Km, M = 4.7					
		KURILE IS						
		LPB	eL	17 55				135.7
		PNS	eL	17 55.7				
APR	1	USCGS	17 18 45.3, 46.1N, 151.9E, H = 45 Km, M = 4.4					
		KURILE IS						
		LPB	ePKP	17 37 07				135.8
			eL	18 22				
		PNS	eL	18 22.4				
APR	1	USCGS	17 21 09.3, 45.6N, 151.9E, H = 40 Km, M = 4.7					
		KURILE IS						
		LPB	ePKP	17 40 30				135.9
			eL	18 25				
		PNS	ePKP	17 40 31.2				
			eL	18 25.7				
APR	1	LPB	eP	22 21 15				
		PNS	P	22 21 17.3	0.6	9		

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	1	USCGS	23 21 12.2, 58.4N, 154.9W, H = 96 Km, M = 4.3					
		ALASKA PENINSULA						
		PNS	eP	23 34 52.4				
			eL	00 09.2				
		LPB	eL	00 09				102.1
APR	2	USCGS	00 06 42.7, 16.7S, 167.0E, H = 33 Km, M = 4.5					
		NEW HEBRIDES IS						
		LPB	ePKP	00 25 27				116.1
		PNS	eL	01 01				
APR	2	LPB	P	00 52 10.5	1.0	36		3.4
			S	50.2				
		PNS	P	00 52 11.9	1.0	10		2.7
			S	54				
APR	2	LPB	P	01 16 19.5				
			i	48.2				
		PNS	eP	01 16 20				
			e(S)	51				
APR	2	USCGS	01 35 35.7, 8.6S, 75.8W, H = 37 Km, M = 4.4					
		PERU						
		PNS	P	01 38 06.6	0.9	4		
			iPPP	23.6				
			S	39 58.8				
		LPB	P	01 38 12.5	0.6	7		10.8
APR	2	PNS	P	02 00 32.3	0.8	5		14.0
			iS	03 07.4				
			L	03.9				
		LPB	eP	02 00 36.5	1.0	10		13.9
			eS	03 11				
			eL	04.6				
APR	2	USCGS	01 53 50.5, 20.4S, 173.8W, H = 33 Km, M = 4.6					
		TONGA IS						
		LPB	eL	02 40				97.9
		PNS	eL	02 40.7				
APR	2	PNS	P	02 21 22				
APR	2	USCGS	03 03 11.6, 2.7N. 74.8W, H = 66 Km, M = 4.2					
		COLOMBIA						
		PNS	P	03 07 40	0.7	2		
			eS	11 37				
			L	13.5				
		LPB	eP	03 07 47				20.3
			eS	12 03				
			eL	14				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	2	USCGS	03 21 40.6, 4.5S, 155.9E, H = 33 Km, M = 5.1					
		DENTRECASTEAUX IS REG						
		LPB	ePKP	03 40 56.5				129.1
			eL	04 22				
		PNS	pPKP	03 40 56.8				
			eL	04 22				
APR	2	USCGS	04 36 39.5, 9.5S, 155.9E, H = 33 Km, M = 5.1					
		DENTRECASTEAUX IS REG						
		PNS	ePKP	04 55 42				129.1
		LPB	ePKP	04 55 45				
APR	2	PNS	P	06 48 00.8				
			i	38.7				
APR	2	USCGS	08 31 43.6, 9.3S, 156.0E, H = 33 Km, M = 4.5					
		DENTRECASTEAUX IS REG						
		PNS	ePKP	08 50 53.7				
			eG	09 24.4				
			eL	09 32.8				129.1
		LPB	eL	09 33				
APR	2	LPB	eP	09 06 44				
		PNS	P	09 06 45.4		1.0	7	
APR	2	LPB	eP	09 29 06				
			e	16				
		PNS	P	09 29 09.7				
APR	2	LPB	P	10 15 04				
			i	11.8				
		PNS	eP	10 15 04				
			i	12.2				
			i	48.6				
APR	2	PNS	P	11 00 23.0		0.7	3	
APR	2	PNS	eP	11 38 58				30.0
		LPB	eP	11 39 11				
			eS	44 03				
APR	2	LPB	eP	11 43 27		1.3	15	
		PNS	P	11 44 33.2		1.5	30	

ONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
PR	2	PNS	P	11 46 51		0.9	6	37.1
			e(S)	52 36				
		LPB	eP	11 46 53.5				36.8
			S	52 34				
PR	2	LPB	eP	11 58 15		0.9	15	
R	2	USCGS	11 58 29.7, 15.0N, 93.1W, H = 45 Km, M = 4.5					
		NR CST OF CHIAPAS, MEXICO						
		PNS	eP	12 05 59				
			eL	19				
		LPB	eP	12 06 00				40.0
			eL	18				
R	2	PNS	iP	12 58 00.6	D	0.5	10	1.8
			iS	22.6				
R	2	USCGS	12 49 07.8, 34.8N, 140.7E, H = 78 Km, M = 4.1					
		NR E CST OF HONSHU, JAPAN						
		PNS	PKP	13 08 51.6		0.8	3	
		LPB	ePKP	13 08 53				148.4
			eL	59				
	2	PNS	iP	13 13 05.1	D	0.4	59	1.8
			S	27				
	2	USCGS	15 19 09.8, 66.6N, 136.1W, H = 33 Km, M = 4.5					
		N YUKON TERR, CANADA						
		LPB	eL	16 03				96.7
		PNS	eL	16 03.4				
	2	PNS	P	16 40 15.5				
		LPB	eP	16 40 18				
	2	USCGS	17 27 10.6, 25.0S, 175.5W, H = 33 Km, M = 4.9					
		S OF TONGA IS						
		LPB	eL	18 12				97.6
	2	PNS	eP	17 55 16				2.3
			S	43				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	2	USCGS	17 40 38.8, 6.3S, 148.8E, H = 37 Km, M = 5.0					
		NEW BRITAIN REG						
		PNS	ePKP	17 59 51				
			pPKP	18 00 04				
			PKS	03 33				
			SS	20 53				
			L	45.8				
		LPB	PKP	17 59 54				137.
			ipPKP	18 00 04				
			PKS	03 35				
			eL	45				
APR	2	USCGS	18 44 56.9, 28.2S, 70.3W, H = 49 Km, M = 4.4					
		CENTRAL CHILE						
		LPB	P	18 47 46				11.
		PNS	eP	18 47 50				
APR	2	USCGS	20 15 38.3, 32.8N, 116.3W, H = 33 Km, M = 4.4					
		CALIFORNIA, MEXICO						
		PNS	eL	20 48				67.
APR	2	USCGS	20 45 20.2, 51.2N, 174.2E, H = 33 Km, M = 4.3					
		NEAR IS ALEUTIAN IS						
		LPB	eL	21 42				120.
		PNS	eL	21 42.6				
APR	3	PNS	P	00 42 52.4				3.
			iS	43 34				
		CHA	P	00 42 59.6				3.
			S	43 40.6				
		LPB	P	00 43 03.7		0.7	10	3.
			S	48				
APR	3	PNS	iP	01 38 30.0	C	1.0	33	
			S	39 15				
		LPB	eP	01 38 34		1.2	15	
APR	3	LPB	P	02 01 33.5		1.0	10	
			eL	47				
		PNS	eL	02 45.9				
APR	3	LPB	eP	02 54 18				
APR	3	LPB	eP	04 46 37		1.0	6	
		PNS	P	04 46 37.6		1.0	13	

NTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
R	3	USCGS	04 40 42.4, 12.2S, 126.3E, H = 33 Km, M = 5.1					
		S OF TIMOR						
		LPB	ePKP	05 00 30.5				148.0
			pPKP	41.6				
			eL	51				
		PNS	ePKP	05 00 32		0.8	6	
			eL	51.2				
R	3	USCGS	07 38 28.4, 19.9N, 38.5E, H = 33 Km, M = 5.1					
		RED SEA						
		PNS	eL	08 38				110.9
R	3	USCGS	08 04 15.4, 6.1S, 151.5E, H = 16 Km,					
		NEW BRITAIN REG						
		LPB	ePKP	08 23 37				134.3
			ePKS	27 04.5				
			eSS	44 00				
			eL	09 08				
		PNS	ePKP	08 23 37		1.8	100	
			iPKS	27 10				
			eSS	43 54				
			eG	59.7				
			eL	09 08				
	3	LPB	eP	08 42 09		1.3	15	
		PNS	P	08 42 12.4		0.9	11	
	3	PNS	P	09 07 07		0.8	16	1.9
			S	30				
	3	CHA	iP	09 15 34.3	D			
		PNS	iP	09 15 35.7	D			
			(S)	42				
		LPB	iP	09 15 37.5	D	0.6	196	0.6
			eS	46.5				
	3	PNS	iP	10 16 50.6	D	0.6	57	1.9
			S	17 14				
		LPB	P	10 16 51.2		0.9	17	2.1
			S	17 16				
	3	LPB	P	10 54 30.6		0.8	9	
		PNS	P	10 54 30.8		0.6	6	2.2
			S	56.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	3	PNS	iP	11 12 54.3	D	0.6	178	0.
			eS	13 01.4				
		LPB	iP	11 12 56.4	D	0.6	140	0.
			eS	13 05				
APR	3	LPB	P	11 52 37				
			S	42.2				
		PNS	P	11 52 37.3		0.6	7	2.
			S	53 02				
APR	3	TRJ	P	12 21 41.7	D			
APR	3	LPB	eP	11 22 33				
		PNS	eP	12 22 37.1				
APR	3	LPB	eP	12 47 43.5		1.0	40	
		PNS	iP	12 47 47.2	D			5.
			eS	48 47.5				
		TRJ	iP	12 47 12.6	C			2.
			iS	42.8				
APR	3	TRJ	eP	12 56 27.8				
		LPB	eP	12 56 48.5				2.
			S	57 16				
		PNS	eP	12 56 54				2.
			eS	57 26				
APR	3	USCGS	12 58 40.9, 20.2S, 173.7W, H = 48 Km, M = 5.3					
		TONGA IS						
		LPB	eP	13 12 14				98
			ePP	16 12				
			SKS	22 54				
			PS	25 07				
			L	44.3				
		PNS	eP	13 12 15		1.2	18	
			iSKS	23 03				
			S	57				
			iSS	30 56				
			L	44.5				
APR	3	USCGS	15 49 58.7, 7.6S, 127.7E, H = 147 Km, M = 5.1					
		BANDA SEA						
		LPB	P	16 09 38	C	1.4	81	151
			eL	17 01				
		PNS	PKP	16 09 38.4		1.4	10	
			eL	17 00.2				
APR	3	LPB	eP	16 35 47				
		PNS	P	16 35 55.4		0.6	2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
PR	3	USCGS	16 36 19.8, 44.9N, 10.6E, H = 33 Km, M = 4.7					
		N ITALY						
		LPB	eL	17 21				93.9
		PNS	eL	17 21				
PR	3	PNS	P	18 07 25.3				4.2
			iS	08 15.0				
		LPB	eP	18 08 27		0.7	13	
PR	3	LPB	P	19 35 36.5				
		PNS	iP	19 35 46.5	D	0.6	19	2.1
			S	36 12				
		CHA	P	19 35 48.0				
PR	3	LPB	eP	20 30 00				
		PNS	P	20 30 02				
PR	3	LPB	eP	22 29 51		0.8	6	3.8
			S	30 35				
		PNS	P	22 29 52.1		0.9	11	3.0
			S	30 26				
R	3	LPB	eP	23 05 37				16.7
			S	08 39.3				
		PNS	eP	23 05 42.6				16.2
			eS	08 42				
R	4	PNS	iP	00 24 08.5	C			0.4
			S	15.5				
R	4	LPB	eP	03 30 39		0.8	7	3.0
			S	31 14				
		PNS	P	00 30 43.4		0.8	4	3.2
			S	31 20.5				
R	4	USCGS	00 37 26.1, 2.3S, 138.7E, H = 11 Km, M = 5.6					
		W NEW GUINEA						
		LPB	ePKP	00 57 12.5		1.5	72	147.4
			G	38.5				
			L	47				
		PNS	PKP	00 57 12.4		1.6	89	
			i	49.6				
			eS	01 19 20				
			G	38.4				
			L	46.9				
R	4	USCGS	01 19 05.8, 17.2S, 178.5W, H = 371 Km, M = 4.4					
		FIJI IS REG						
		PNS	eL	01 07.7				103.4

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	4	LPB	eP	03 31 07		0.6	4	
		PNS	P	03 31 11.0		0.8	7	
APR	4	LPB	eP	04 00 34.5				
APR	4	USCGS	03 54 26.2, 45.5N, 152.2E, H = 42 Km, M = 5.0					
		KURILE IS REG						
		LPB	ePKP	04 13 43				135.8
			eL	59				
		PNS	PKP	04 13 43.7				
			eL	58.2				
APR	4	LPB	eP	04 17 19				
		PNS	iP	04 17 25.4		0.6	5	2.7
			iS	57.6				
APR	4	USCGS	04 15 40.8, 50.1S, 127.4E, H = 33 Km, M = 4.5					
		S OF AUSTRALIA						
		PNS	eL	05 09.4				112.1
APR	4	LPB	P	04 49 33		0.8	7	
		PNS	iP	04 49 36.7	D	0.5	8	5.6
			S	50 41				
APR	4	LPB	eP	06 29 32		0.8	9	
		PNS	P	06 29 34.1		0.8	7	5.2
			S	30 34				
APR	4	PNS	P	07 20 43.6		0.8	6	8.0
			eS	22 14				
		LPB	P	07 20 52.5		0.9	15	7.5
			i	58.5				
			eS	22 17.5				
APR	4	LPB	P	07 51 34.5				
		PNS	P	07 51 35.6		1.0	6	
APR	4	USCGS	07 50 11.2, 9.6S, 160.2E, H = 45 Km, M = 4.7					
		SOLOMON IS						
		LPB	ePKP	08 09 04.5				125.2
			eL	49				
APR	4	LPB	eP	08 27 16				
			e	48				
		PNS	eP	08 27 18.3				
APR	4	PNS	eP	08 43 26				13.1
			S	45 51				
		LPB	eP	08 43 28				
			e	48				

NTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
R	4	PNS	P	09 03 06.5				4.0
			S	54				
R	4	LPB	P	09 08 06.5		1.4	49	5.8
			S	09 13				
		PNS	P	09 08 06.6		1.4	23	6.0
			S	09 15				
R	4	USCGS	09 06 01.1, 33.4N, 137.5E, H = 353 Km, M = 5.2					
		NR CST OF HONSHU, JAPAN						
		LPB	ePKP	09 25 09.5		1.1	15	150.7
			i	16.5				
			PKP2	32.5				
			ipPKP	47.3				
			eL	10 12				
		PNS	iPKP	09 25 10.0	D	1.2	21	
			i	16.2				
			pPKP	26 46.1				
			SS	48 06				
			eG	10 07.3				
			eL	16.1				
R	4	PNS	eP	10 31 56.5				
R	4	LPB	eP	11 14 36				
		PNS	P	11 14 38.2		0.7	3	2.8
			S	15 11.2				
	4	LPB	eP	11 57 38				
		PNS	P	11 57 42.6		0.9	4	
			e(S)	58 57				
	4	USCGS	11 59 56.3, 50.1S, 127.3E, H = 33 Km, M = 4.1					
		S OF AUSTRALIA						
		LPB	eL	12 53				112.1
		PNS	eL	12 53.4				
	4	PNS	P	16 42 18.8		0.6	11	3.0
			S	53				
	4	USCGS	16 59 04.1, 35.4N, 23.6E, H = 71 Km, M = 4.8					
		CRETE						
		LPB	eP	17 12 52				100.8
			eL	48				
		PNS	eSS	17 37 16				
	4	LPB	eP	17 18 18				
			e	48				
		PNS	eP	17 18 41.9		1.3	9	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	4	USCGS	18 06 04.3, 45.2N, 26.2E, H = 131 Km, M = 4.7					
		RUMANIA						
		PNS	eL	18 55.4				
		LPB	eL	18 56				104.6
APR	4	USCGS	18 18 01.9, 18.5N, 104.8W, H = 33 Km, M = 4.5					
		NR CST OF JALISCO, MEXICO						
		PNS	P	18 26 52.5		1.0	4	
		LPB	P	18 26 55.6		1.2	37	49.8
APR	4	USCGS	18 20 05.0, 18.3N, 104.8W, H = 33 Km, M = 4.2					
		NR CST OF JALISCO, MEXICO						
		PNS	P	18 28 58.4		0.9	2	
APR	4	USCGS	18 28 26.2, 4.2S, 152.9E, H = 54 Km, M = 5.0					
		NEW BRITAIN REG						
		PNS	eL	19 36				143.5
APR	4	LPB	(P)	19 47 03.5		0.9	14	1.8
			S	25.5				
		PNS	iP	19 46 56.5	D	0.5	5	2.0
			iS	47 20.4				
		CHA	P	19 46 58.5	D			
APR	4	CHA	iP	20 14 46.1	D			
		PNS	iP	20 14 47.3	D			0.4
			S	54.4				
		LPB	iP	20 14 49.5				
APR	4	PNS	iP	21 06 30.5	C	0.7	8	2.2
			S	56.5				
APR	4	CHA	iP	22 31 29.5	D			
		PNS	iP	22 31 31.6	D			0.4
			S	38.4				
		LPB	iP	22 31 32.4				0.8
			eS	43.5				
APR	4	USCGS	22 53 39.6, 38.3N, 107.7W, H = 33 Km, M = 4.5					
		COLORADO						
		LPB	eL	23 25				66.0
		PNS	eL	23 25.2				
APR	5	LPB	eP	00 10 37				
		PNS	P	00 10 37		0.5	1	2.1
			eS	11 09				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	5	USCGS	01 59 07.1, 16.5N, 98.0N, H = 64 Km, M = 4.1					
		OAXACA, MEXICO						
		LPB	eL	02 20				44.1
		PNS	eL	02 20.1				
APR	5	USCGS	02 34 11.1, 20.0N, 147.1E, H = 50 Km, M = 5.9					
		MARIANA IS						
		PNS	iPKP	02 53 49.7	C			
			eL	03 43.7				
		LPB	PKP	02 53 50.7	C			146.6
			i(pPKP)	54 29.7				
			eSS	03 16 45				
			eL	44				
		CHA	PKP	03 53 51.5				
APR	5	USCGS	02 47 55.4, 20.0N, 147.2E, H = 50 Km, M = 5.7					
		MARIANA IS REG						
		PNS	iPKP	03 07 33.7	C	1.8	820	
			iPKS	11 18				
			PPS	21 80				
			G	49.2				
			eL	57				
		LPB	ePKP	13 07 34				146.6
			PKS	11 20				
			eL	57				
		CHA	PKP	03 07 35.9				
APR	5	LPB	P	03 39 06.4		0.6	10	
		PNS	P	03 39 07.7	C	0.5	4	
APR	5	USCGS	03 52 57.6, 19.1N, 64.7W, H = 40 Km, M = 4.2					
		VIRGEN IS						
		PNS	eP	03 59 52				
		LPB	eP	03 59 54				35.5
APR	5	PNS	iP	04 55 56.7	D	0.8	210	2.0
			iS	56 21.0				
		CHA	iP	04 55 58.6	D			
		LPB	iP	04 55 59.5	D	0.9	55	2.3
			iS	56 26.8				
APR	5	USCGS	06 55 29.1, 19.2S, 168.6E, H = 48 Km, M = 4.6					
		NEW HEBRIDES IS						
		LPB	eL	07 49				113.6
APR	5	USCGS	07 57 04.0, 36.0N, 137.2E, H = 272 Km, M = 4.2					
		HONSHU, JAPAN						
		LPB	ePKP	08 16 14				149.9
			eL	09 07				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	PKP	08 16 15.0		1.2	8	
APR	5	LPB	eP	08 53 29				
		PNS	iP	08 53 44	C	0.5	4	
APR	5	LPB	P	09 02 09.2		0.7	4	
APR	5	LPB	eP	09 34 45				
		PNS	iP	09 34 48.9		0.5	2	
APR	5	PNS	P	09 47 53.2				4.
			eS	48 39				
		LPB	eP	09 47 55				2.
			S	48 25.5				
APR	5	PNS	P	10 09 34.2		0.7	7	
		LPB	P	10 09 34.3				
APR	5	PNS	iP	10 11 06.8	D	0.5	25	
		LPB	P	10 11 08.4		0.8	6	
APR	5	USCGS	09 57 02.8, 17.6S, 167.8E, H = 23 Km, NEW HEBRIDES IS					
		LPB	eL	10 51				115.
APR	5	PNS	P	11 16 04.8				1.
			S	26.5				
APR	5	PNS	iP	11 53 43	C	1.6	65	38.
			eS	59 34				
			L	03.9				
		LPB	eP	11 53 44				38.
			eS	59 36				
			L	12 04				
APR	5	USCGS	11 43 49.3, 17.7S, 178.4W, H = 480 Km, M = 4.3 FIJI IS REG					
		LPB	eL	12 32				103.
		PNS	eL	12 32				
APR	5	PNS	P	12 19 20.6		0.5	2	9.
			S	55				
APR	5	TRJ	eP	13 42 24.7				
		PNS	P	13 42 34.6				4.
			eS	43 30				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
5	LPB	eP	13 45 12				
	PNS	P	13 45 14.8		0.8	6	
		e(S)	48.4				
	TRJ	eP	13 44 37.1				
5	TRJ	P	13 47 20				3.7
		S	48 02.6				
5	TRJ	P	13 49 49.4				
5	USCGS	13 55 32.8, 40.2S, 45.4E, H = 33 Km, ATLANTIC-INDIAN RISE					
	LPB	eP	14 09 04				96.5
		eL	41				
	PNS	P	14 09 04.6		1.3	17	
		SKS	33 15				
		eL	41.5				
5	PNS	iP	14 26 20.5	D	0.6	5	2.3
		iS	47.4				
5	PNS	eP	15 32 28				
5	PNS	P	16 35 14.6		0.5	4	3.0
		eS	50				
	TRJ	eP	16 35 35.7				
5	PNS	eP	17 26 45.4				1.1
		eS	59				
	TRJ	eP	17 26 62				
5	USCGS	18 11 57.4, 16.1S, 73.6W, H = 33 Km, M = 4.4 NR CST OF PERU					
	PNS	iP	18 13 13.0	C	1.1	163	
		eS	14 10				
	CHA	iP	18 13 18.0	D			
	LPB	iP	18 13 18.2	C	0.9	306	5.4
		S	14 19				
5	LPB	P	20 16 55.5		0.9	17	
	PNS	iP	20 17 00.4	C	0.8	9	5.4
		eS	18 02				
5	TRJ	P	20 21 08.1	D			3.2
		S	45.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	5	USCGS	20 41 09.3, 10.9N, 43.4W, H = 33 Km, M = 4.7					
		N ATLANTIC RIDGE						
		LPB	P	20 48 15.5	C	1.2	54	36
			eL	59				
		PNS	iP	20 48 16.2	C	1.4	119	
			PP	49 39				
			S	54 06				
			L	59				
APR	5	PNS	P	21 25 24.3				2
			S	50				
		LPB	eP	21 25 49		0.9	7	
APR	5	USCGS	21 30 53.2, 17.6S, 178.4W, H = 546 Km, M = 4.4					
		FIJI IS REG						
		LPB	eL	22 19				103
APR	5	USCGS	21 43 08.7, 4.6N, 82.5W, H = 33 Km, M = 4.6					
		S OF PANAMA						
		LPB	eP	21 48 30.5				24
			eL	56				
		PNS	P	21 48 33.4	C	0.8	9	
			eL	56				
APR	5	USCGS	22 29 35.0, 53.2S, 140.6E, H = 33 Km, M = 5.0					
		W OF MACQUARE IS						
		PNS	eP	22 43 06				
			eSKS	23 08 42				
			eL	23 17.7				
		LPB	eL	23 20				106
APR	5	USCGS	22 57 06.1, 5.4S, 102.4E, H = 33 Km, M = 5.3					
		S SUMATRA						
		PNS	eP	23 17 00.2				
			SS	23 41 42				
			eL	00 11.2				
		LPB	eP	23 17 00.5				156
			eL	00 11				
APR	5	USCGS	23 33 06.1, 31.1S, 178.2W, H = 60 Km, M = 5.2					
		KERMADEC IS						
		LPB	eP	23 46 38				97
			eL	24 20				
		PNS	eP	23 46 38.1		0.6	2	
APR	6	USCGS	01 11 58.5, 15.4S, 167.9E, H = 108 Km,					
		NEW HEBRIDES IS						
		LPB	ePKP	01 30 30				116
			eL	02 06.6				
		PNS	S	01 57.3				
			L	02 06.8				

TH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	6	PNS	P	01 44 46.6		0.8	4	
			i	47 08.3				
		LPB	P	01 44 49.7		1.0	12	
			i	47 08.7				
	6	USCGS	01 52 03.0, 41.5S, 88.2W, H = 33 Km, M = 4.9					
		W CHILE RISE						
		LPB	iP	01 58 14.5		0.8	35	30.1
			ipP	29.2				
		PNS	iP	01 58 15.0	C	1.1	76	
			eS	02 01 59				
	6	USCGS	02 34 24.1, 29.6N, 129.8E, H = 31 Km, M = 5.2					
		RYUKYN IS						
		LPB	ePKP	02 54 19				162.7
			pPKP	33.5				
			eL	03 01				
		PNS	ePKP	02 54 20				
			pPKP	32.8				
			SS	03 19 18				
			i	29 06				
			eL	51.5				
	6	USCGS	02 44 42.9, 33.6S, 69.9W, H = 172 Km, M = 4.2					
		CHILE ARGENTINA BOR REG						
		LPB	P	02 48 34.2		0.9	24	16.0
		PNS	P	02 48 36.1		1.0	9	
			eS	51 25				
	6	PNS	P	03 13 04.3		0,7	3	
	6	USCGS	03 07 05.5, 19.6N, 64.2W, H = 13 Km, M = 4.6					
		VIRGEN IS						
		PNS	iP	03 14 08.3				
			eS	20 10				
			eScS	22 25				
			eL	27.5				
		LPB	P	03 14 08.5		1.4	18	36.0
			i	49.5				
			eS	20 08				
			eScS	22 26				
			eL	28				
	6	LPB	eP	04 18 53				
		PNS	P	04 18 53.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	6	PNS	P	04 57 05.3		0.5	2	
		LPB	P	04 57 19.3				
APR	6	USCGS	05 39 57.3, 35.4S, 104.9W, H = 33 Km, M = 4.2					
		S PACIFIC OCEAN						
		LPB	eP	05 47 12				37.4
			eL	58				
		PNS	eP	05 47 12.8				
			L	58				
APR	6	USCGS	06 17 29.3, 34.4N, 139.0E, H = 13 Km, M = 5.3					
		NR S CST OF HONSHU, JAPAN						
		LPB	ePKP	06 37 15				149.4
			pPKP	23.3				
			eL	07 28				
		PNS	PKP	06 37 18.6		1.5	74	
			eL	07 28.1				
APR	6	LPB	eP	08 17 35				2.3
		PNS	P	08 17 37.2				
			eS	18 04.6				
APR	6	PNS	P	09 06 27		0.6	3	1.9
			S	50				
APR	6	USCGS	08 49 41.3, 34.4N, 139.1E, H = 33 Km, M = 5.0					
		NR S CST OF HONSHU, JAPAN						
		PNS	PKP	09 09 25.8		1.4	21	
			i	30.1				
			eL	10 01.2				
		LPB	ePKP	09 09 27.2		1.2	12	149.4
			i	31.7				
			eL	10 01				
APR	6	USCGS	09 06 44.0, 34.4N, 139.1E, H = 25 Km, M = 4.9					
		NR S CST OF HONSHU, JAPAN						
		PNS	ePKP	09 26 28		1.3	12	
			i	34.2				
			eL	10 17.3				
		LPB	PKP	09 26 31.3		1.1	22	149.4
			i	35.7				
			eL	10 17				
APR	6	PNS	P	10 09 22		1.6	55	
		LPB	eP	10 09 22				
			e	26.5				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
6	USCGS	12 01 07.5, 6.3S, 148.8E, H = 43 Km, M = 4.9					
	NEW BRITAIN REG						
	PNS	ePKP	12 20 21				
		ePKS	23 56				
		G	55.1				
	LPB	ePKP	12 20 30.5				137.2
		eL	13 06				
6	LPB	eP	12 29 50				
	PNS	iP	12 29 54.2	D	0.5	22	2.5
		iS	30 24.7				
6	USCGS	12 21 57.0, 20.1N, 147.2E, H = 22 Km, M = 5.7					
	MARIANA IS REG						
	PNS	PKP	12 41 38.6		1.8	828	
		ePKS	45 11.8				
		eSS	13 01 58				
		eG	23.5				
		eL	31				
	LPB	PKP	12 41 39.2		1.6	45	146.2
		ePKS	45 11				
		PP	45 25.5				
		eSS	13 01 47				
		eSSS	47				
		eL	30.2				
	CHA	PKP	12 41 40.4				
6	USCGS	12 46 16.7, 15.8N, 95.6W, H = 60 Km, M = 4.1					
	NR CST OF OAXACA, MEXICO						
	PNS	iP	12 54 01.9	C	1.0	6	
	LPB	eP	12 54 03				41.9
6	USCGS	12 57 14.0, 30.1N, 50.9E, H = 10 Km, M = 5.4					
	IRAN						
	PNS	PKP	13 16 12.2		1.0	11	
		eG	48.5				
		eL	55.5				
	LPB	ePKP	13 16 12.5		1.1	10	122.6
		eL	55				
6	PNS	P	13 47 42.3				2.5
		S	48 12.6				
6	PNS	iP	13 57 43		0.4	3	1.9
		S	58 05.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	6	USCGS	14 01 21.5, 16.3N, 98.0W, H = 54 Km, M = 4.9					
			NR CST OF GUERRERO, MEXICO					
		PNS	iP	14 09 22.4	C	2.0	114	
			pP	31.6				
			PP	11 10.7				
			S	15 55				
			eL	21				
		LPB	P	14 09 26.7		1.1	27	4
			pP	35.2				
			eL	21				
APR	6	PNS	iP	17 08 02.4		0.7	6	
APR	6	USCGS	18 26 24.4, 61.0S, 24.6W, H = 33 Km, M = 5.4					
			S SANDWICH IS REG					
		PNS	P	18 35 51.1		1.5	53	
			eL	52.2				
		LPB	P	18 35 49		1.4	14	5
			i	58.3				
APR	6	USCGS	20 52 52.7, 0.5N, 122.1E, H = 252 Km, M = 5.0					
			N CELEBES					
		LBB	ePKP	21 12 04				16
			pPKP	13 13				
			eL	22 09				
		PNS	PKP	21 12 28.5		1.7	51	
			ipPKP	13 13.4				
			eSS	37 12				
APR	6	LPB	P	22 59 08		0.6	21	
			i	27.2				
		PNS	iP	22 59 11.4	C	0.8	18	
			S	23 00 37.6				
APR	6	USCGS	22 47 18.3, 34.4N, 139.0E, H = 33 Km, M = 4.0					
			NR S CST OF HONSU, JAPAN					
		PNS	ePKP	23 07 03.9				
		LPB	ePKP	23 07 04				1
			eL	29				
APR	6	USCGS	23 28 51.0, 34.3N, 139.1E, H = 15 Km, M = 5.					
			NR S CST OF HONSHU, JAPAN					
		PNS	PKP	23 48 43		1.0	121	
			eL	00 40				
		LPB	PKP	23 48 44.5		1.9	174	1
			eL	24 39				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
6	USCGS	23 32 10.6, 36.3N, 140.5E, H = 44 Km, M = 5.2					
		NR E CST OF HONSHU, JAPAN					
	PNS	iPKP	23 51 48.8	C	1.3	92	
		L	00 41.9				
	LPB	ePKP	23 51 49.6		1.1	137	149.4
7	USCGS	00 50 39.8, 34.0N, 139.5E, H = 92 Km,					
		NR S CST OF HONSHU, JAPAN					
	LPB	eL	02 01				149.4
7	LPB	P	01 17 15.8		0.6	6	
	PNS	iP	01 17 19.6	D			1.8
		iS	42.0				
7	USCGS	05 51 51.6, 20.8S, 68.1W, H = 181 Km, M = 4.5					
		CHILE-BOLIVIA BOR REG					
	LPB	iP	05 52 57.3	C	0.8	202	4.5
		S	53 46				
	CHA	iP	05 52 58.9	D			
	PNS	iP	05 53 01.0	C	1.3	502	
		eS	50				
7	USCGS	06 29 55.8, 16.0S,73.0W, H = 82 Km, M = 4.3					
		NR CST OF PERU					
	PNS	iP	06 31 02.3	C	1.0	158	
		S	52				
	CHA	iP	06 31 07.3	D			
	LPB	P	06 31 07.6	C	1.2	170	4.5
		iPg	23.8				
7	USCGS	06 30 00.4, 52.8N, 164.9W, H = 33 Km, M = 4.5					
		S OF ALASKA					
	LPB	eL	07 20				106.8
7	LPB	eP	06 53 03.5				5.2
		S	54 03.5				
	PNS	eP	06 53 25				4.5
		S	54 17.2				
7	LPB	eP	07 47 27				
	PNS	P	07 47 47.4		0.9	5	
7	LPB	eP	10 34 50		1.0	10	
	PNS	P	10 34 52		0.9	5	3.8
		eS	35 36				
7	LPB	eP	11 04 43		0.9	85	4.3
		eS	05 33.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	7	LPB	eP	11 04 43		0.9	85	
			eS	05 33.5				
		PNS	iP	11 04 43.9	C	1.0	19	
			e(S)	05 40				
APR	7	LPB	eP	11 59 16				
		PNS	iP	11 59 17.5	D	1.0	13	
APR	7	LPB	eP	13 52 19				
		PNS	eP	13 52 20.9				
APR	7	LPB	eP	14 11 20.5		0.6	7	
		PNS	P	14 11 31.4		0.5	3	
			S	57				
APR	7	LPB	eP	14 31 20				
		PNS	P	14 31 21.0		0.8	4	
APR	7	PNS	P	15 12 13.6				
		LPB	eP	15 12 15.5		0.9	14	
APR	7	LPB	eP	15 44 08				
APR	7	USCGS	17 07 16.2, 37.4N, 36.1E, H = 49 Km, M = 4.8					
		TURKEY						
		LPB	eL	18 00				11
			eL	18 00				
APR	7	PNS	P	18 08 24.4				
			eS	35				
APR	7	PNS	iP	18 28 53.4		0.6	7	
			S	29 16				
APR	7	USCGS	18 33 31.3, 37.4N, 36.2E, H = 39 Km, M = 5.0					
		TURKEY						
		PNS	eSS	19 08 12				
			eL	26				
		LPB	eL	19 26				11
APR	7	USCGS	19 39 12.8, 47.0N, 146.0E, H = 296 Km, M = 5.					
		SEA OF OKHOTSK						
		LPB	ePKP	19 58 03.5				1
			eL	45				
		PNS	PKP	19 58 04.3		0.9	5	
			eL	20 44.8				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
7	LPB	eP	20 21 39				
	PNS	P	20 21 45.4		0.6	2	
7	LPB	eP	21 42 14.5				
	PNS	eP	21 42 15.7				
7	PNS	eP	22 55 42				3.6
		S	56 24.4				
8	LPB	P	01 56 01.5	C	1.0	32	3.2
		S	40				
	PNS	iP	01 56 05.6	C	0.6	28	3.5
		eS	47				
8	LPB	eP	02 49 43				
	PNS	P	02 49 52.5		0.5	3	2.5
		S	50 22.7				
8	USCGS	03 40 47.2, 56.2S, 27.1W, H = 47 Km, M = 5.1					
	S SANDWICH IS REG						
	LPB	P	03 49 41.7	C	1.2	25	49.8
	PNS	P	03 49 44.7	C	0.9	11	
		i	50 06				
8	LPB	eP	04 51 46				
	PNS	P	04 51 57		0.6	5	
8	LPB	P	05 20 50.6		0.8	9	12.7
		eS	23 12				
	PNS	P	05 20 53.4		0.8	7	
8	USCGS	05 35 17.1, 19.9S, 178.6W, H = 616 Km, M = 5.3					
	FIJI IS REG						
	PNS	eP	05 48 14.1		0.9	9	
		PP	52 31.5				
	LPB	eP	05 48 14.5		0.9	10	102.6
		PP	52 34				
8	USCGS	05 40 32.3, 39.6N, 82.5W, H = 33 Km, M = 4.2					
	OHIO						
	PNS	eL	06 08				57.6
8	PNS	P	06 45 34.3		0.6	8	1.9
		iS	56.9				
8	LPB	P	09 13 51.6		0.9	20	
		(S)	09 13 55.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	D
APR	8	USCGS	09 30 17.8, 21.9S, 68.6W, H = 122 Km, M = 4.					
			CHILE-BOLIVIA BOR REG					
		LPB	P	09 31 37.8	D	0.7	156	
			ePP	44.5				
			Pg	58				
			i	32 14.5				
			S	37				
			L	33.1				
		CHA	eP	09 31 40.6	D			
		PNS	iP	09 31 41.0	D	1.4	540	
			S	32 40				
			eL	33.3				
APR	8	PNS	eP	10 20 51.3				
			eS	21 17				
APR	8	USCGS	11 57 22.6, 20.9S, 70.5W, H = 11 Km, M = 4.0					
			NR CST OF N CHILE					
		LPB	P	11 58 39.5	D	1.1	225	
			S	59 34				
		PNS	P	11 58 40.4	D	1.2	46	
			iS	59 36.8				
		CHA	P	11 58 43.2				
APR	8	LPB	eP	13 20 26		0.8	6	
APR	8	USCGS	17 35 44.1, 7.3S, 156.0E, H = 66 Km, M = 5.0					
			SOLOMON IS					
		LPB	ePKP	17 54 52.5				1
			eL	18 37				
		PNS	ePKP	17 54 53				
			eL	18 37.4				
		TRJ	ePKP	17 54 44.8				
APR	8	USCGS	20 14 00.8, 5.7N, 126.9E, H = 140 Km, M = 5.					
			MINDANAO, PHILIPPINE IS					
		LPB	eL	21 31				1
		PNS	ePKP	20 33 45				
			eL	21 30.7				
APR	8	USCGS	22 31 21.8, 6.8N, 123.6E, H = 608 Km, M = 4.					
			MINDANAO, PHILIPPINE IS					
		PNS	ePKP	22 51 23		0.8	5	
		LPB	ePKP	22 51 23.6				1

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
9	USCGS	00 05 07.0, 4.0S, 135.8E, H = 15 Km, M = 5.1					
		W NEW GUINEA REG					
	LPB	PKP	00 24 59		1.5	385	148.5
		iPKP2	25 04.2				
		ePKS	28 29				
		eSS	47 37				
		eL	01 15.8				
	TRJ	PKP	00 24 56.7				
	PNS	PKP	00 24 59.9		1.6	70	
		PKP2	25 03.8				
		ePKS	28 29.2				
		SS	47 48				
		G	01 07				
		L	15.8				
9	LPB	eP	00 38 45				
	TRJ	P	00 38 44.0				
	PNS	P	00 38 45.9		0.8	6	
9	LPB	P	01 02 43.5		1.3	38	
	PNS	P	01 02 44		1.0	4	
		e(S)	04 22				
9	LPB	P	01 28 51.5	C	0.9	93	4.3
		i	58.5				
		S	29 41.5				
	TRJ	P	01 28 39.7				3.3
		eS	01 29 17.4				
	PNS	P	01 28 56.3		0.9	12	4.3
		iPn	29 02				
		eS	48				
9	USCGS	01 11 11.2, 4.0N, 96.1E, H = 33 Km, M = 5.0					
		N SUMATRA					
	LPB	eL	02 26				159.4
	PNS	eL	02 26.3				
9	USCGS	01 22 04.9, 9.7N, 126.6E, H = 68 Km, M = 5.3					
		MINDANAO, PHILIPPINE IS					
	PNS	eL	02 35.3				155.3
9	PNS	P	01 44 34.6		1.0	6	
9	USCGS	01 43 57.9, 4.2S, 153.7E, H = 20 Km, M = 5.0					
		NEW IRELAND REG					
	LPB	eL	02 47				133.4
	PNS	eL	02 47				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	9	LPB	eP	04 21 48.5				
		PNS	eP	04 21 48.6				
APR	9	PNS	eP	04 34 18				
APR	9	PNS	eP	05 39 14				
		LPB	eP	05 39 18				
APR	9	PNS	eP	06 05 07.8				
			S	36				
APR	9	USCGS	05 58 19.8, 7.3S, 155.9E, H = 45 Km, M = 4.8					
		SOLOMON IS						
		PNS	PKP	06 17 29.1		1.4	27	
			PKS	20 51.7				
			eL	07 00.4				
		LPB	PKP	06 17 30		1.2	19	1
			ePKS	20 54				
			eL	07 00				
APR	9	USCGS	06 30 30.1, 20.9S, 179.3W, H = 650 Km, M = 4					
		FIJI IS REG						
		LPB	eP	06 44 20				1
			eL	07 19				
APR	9	PNS	iP	08 12 05.4	C	0.8	152	
			iS	38				
		CHA	iP	08 12 07.0	C			
		LPB	P	08 12 09.5		1.1	12	
			i	11.2				
			S	46				
		TRJ	P	08 13 27.0				
			i	28.1				
APR	9	USCGS	08 29 26.2, 7.4S, 155.9E, H = 72 Km, M = 4.9					
		SOLOMON IS						
		PNS	PKP	08 48 33.3		1.5	25	
			ePKS	51 52.2				
			eL	09 30.9				
		LPB	PKP	08 48 34		1.1	10	1
			eL	09 30				
APR	9	LPB	eP	08 59 18				
		PNS	P	08 59 18.9		0.5	3	
			S	41				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
9	USCGS	08 56 59.7, 7.2S, 155.8E, H = 40 Km, M = 5.1					
	SOLOMON IS						
	PNS	iPKP	09 16 09.9	C	1.4	78	
		PKS	19 31.8				
		eL	09 59				
	LPB	iPKP	09 16 10.2		1.1	72	130.4
		PKS	19 31				
		eL	59				
	TRJ	PKP	09 16 11.4				
9	LPB	eP	10 26 52				
	PNS	P	10 26 52.1		0.8	4	
9	USCGS	11 06 24.1, 37.4S, 50.8E, H = 33 Km,					
	ATLANTIC-INDIAN RISE						
	PNS	eL	11 55.4				101.7
9	LPB	eP	11 56 24.5				
	PNS	eP	11 56 26				
9	TRJ	iP	12 48 57.7	D			3.4
		S	49 37.4				
	PNS	eP	12 49 28.8				
		eS	50 09				
	LPB	e(P)	12 49 29				
		e(S)	50 13.5				
.9	USCGS	12 52 05.0, 61.6N, 151.4W, H = 51 Km, M = 4.2					
	S ALASKA						
	PNS	PP	13 06 22				
		eL	40.7				
9	USCGS	14 32 32.1, 4.2N, 76.7W, H = 116 Km, M = 4.3					
	COLOMBIA						
	LPB	eP	14 37 14				21.2
		e	21.5				
		eL	43				
	PNS	P	14 37 16.9				
		eL	42.9				
9	PNS	eP	14 43 02.6				
	LPB	eP	14 43 03				7.1
		eS	44 23				
9	PNS	eP	14 54 25.4		0.9	5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	9	USCGS	16 04 57.9, 35.6S, 72.8W, H = 43 Km, M = 4.				
			NR CST OF CENTRAL CHILE				
		LPB	eP	16 09 24.5		1.5	49
			eL	14			
		PNS	P	16 09 26.3		1.3	11
			i	31.4			
			S	12 53.5			
			eL	15			
APR	9	TRJ	P	18 00 24.7			
APR	9	USCGS	17 41 56.4, 7.0S, 129.7E, H = 143 Km, M = 5				
			BANDA SEA				
		LPB	PKP	18 01 32			
			i	37.2			
			pPKP	02 03.5			
			eL	53			
		PNS	iPKP	18 01 32.4	D	1.8	43
			i	37.6			
			eL	52.8			
APR	9	USCGS	18 50 58.3, 7.3S, 135.7E, H = 70 Km, M = 4.				
			SOLOMON IS				
		LPB	ePKP	19 10 03.5			
			epPKP	15			
		PNS	ePKP	19 10 05.5			
			pPKP	14.6			
			L	52.9			
APR	9	PNS	P	19 16 54.3		0.9	9
		LPB	eP	19 16 35		0.8	9
APR	9	USCGS	19 22 54.3, 4.9S, 152.6E, H = 71 Km,				
			NEW BRITAIN REG				
		LPB	ePKP	19 42 02			
		PNS	eL	20 27.2			
APR	9	PNS	iP	20 19 01.2	D	0.8	8
			iS	26.7			
APR	9	USCGS	21 18 36.5, 7.3S, 155.7E, H = 44 Km, M = 5.				
			SOLOMON IS				
		PNS	PKP	21 37 45.8		1.7	72
			iPP	40 05.6			
			PKS	41 09			
			ePPP	43 27.5			
			eL	22 19.4			
		LPB	ePKP	21 37 46		1.6	71
			ePP	40 05.5			
			ePKS	41 10.5			
			eL	22 19			

TH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	9	USCGS	21 52 34.0, 45.6N, 151.6E, H = 33 Km, M = 4.7					
			KURILE IS					
		PNS	eL	22 57.2				136.0
	9	PNS	eP	22 38 51.6				
			i	59.9				
		LPB	P	22 38 52				
			e	39 47				
	9	LPB	P	23 19 33.2		0.9	8	
			e	20 05				
	9	USCGS	23 57 24.9, 17.7S, 173.0W, H = 70 Km, M = 4.9					
			TONGA IS REG					
		LPB	ePKP	00 10 53.5				97.9
			L	43				
		PNS	eSKS	00 21 49				
			SS	00 29 30				
			L	43.4				
	10	LPB	eP	01 10 05.6				
		PNS	P	01 10 08.1		0.8	7	
	10	USCGS	01 57 36.3, 8.2S, 73.4W, H = 174 Km, M = 4.5					
			PERU BRAZIL BOR REG					
		PNS	eP	01 59 48				
			S	02 01 34				
		LPB	P	01 59 52.5		1.0	14	9.4
			i	02 00 14.2				
	10	TRJ	iP	02 18 05	D			
	10	LPB	eP	02 57 58				7.8
			eS	59 26				
		PNS	P	02 58 04.1		0.8	5	7.6
			eS	59 30				
	10	PNS	eP	03 18 44				
			e	58.4				
		LPB	eP	03 18 47				
	10	USCGS	03 21 36.8, 40.7N, 125.7W, H = 33 Km, M = 4.4					
			OFF CST OF N CALIFORNIA					
		LPB	eL	03 58				77.9
		PNS	eL	03 58.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	10	PNS	iP	04 05 03.6		0.9	4	
		LPB	eP	04 05 07.5				
APR	10	TRJ	P	04 40 05.5				
APR	10	LPB	P	04 55 45		0.8	4	
APR	10	LPB	P	05 09 23.5				
APR	10	USCGS	04 59 53.9, 7.4S, 155.7E, H = 37 Km, M = 5.5					
		SOLOMON IS						
		PNS	PKP	05 19 03.9		1.0	34	
			PP	21 26.5				
			PKS	22 27.6				
			SS	39 00				
			eG	54.1				
			eL	06 01.1				
		LPB	PKP	05 19 04.5		1.0	42	1
			pPKP	13				
			ePP	21 19				
			PKS	22 27.7				
			eSS	38 58				
			eL	06 01				
APR	10	USCGS	05 11 05.6, 7.5S, 155.8E, H = 72 Km, M = 4.5					
		SOLOMON IS						
		LPB	ePKP	05 29 10				1
		PNS	ePKP	05 30 12.8		0.9	7	
APR	10	LPB	eP	07 13 12.5				
		PNS	P	07 13 31				
APR	10	LPB	eP	07 35 08.5		0.8	9	
		PNS	P	07 35 23.4				
APR	10	LPB	P	08 27 48.5				
APR	10	LPB	eP	08 44 34.5				
APR	10	USCGS	08 27 33.1, 7.6S, 155.8E, H = 109 Km, M = 5.					
		SOLOMON IS						
		LPB	ePKP	08 46 09				1
			pPKP	37				
		PNS	ePKP	08 46 32.6				
			eSS	09 06 14				
			eL	29				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
10	LPB	eP	10 17 07		0.9	10	
	PNS	P	10 17 07.5		0.8	6	4.3
		S	57.8				
10	USCGS	10 02 23.4, 10.8S, 165.8E, H = 60 Km, M = 4.4					
	SANTA CRUZ IS						
	LPB	eL	10 59				120.4
10	PNS	P	10 40 00.6				
	LPB	eP	10 40 01				
10	TRJ	P	10 43 17.5				
10	USCGS	12 04 30.9, 18.6N, 62.5W, H = 33 Km, M = 4.4					
	LEEWARD IS						
	LPB	eP	12 11 24				35.4
		e(pP)	11 40.5				
		eL	21				
	PNS	eP	12 11 25.6				
		e(pP)	30.6				
		eL	21.5				
10	LPB	eP	12 42 12.5				
	PNS	P	12 42 46.0		0.8	10	
10	USCGS	13 08 00.8, 24.2S, 68.2W, H = 160 Km, M = 4.2					
	CHILE-ARGENTINA BOR REG						
	LPB	eP	13 09 51				7.6
		epP	10 36				
	TRJ	iP	13 09 00.1	C			
	PNS	iP	13 09 54.5	C	0.8	14	
		i	10 54.4				
10	LPB	eP	13 40 36				3.9
		i	45				
		S	41 21				
	PNS	iP	13 40 36.2	C	0.8	23	3.6
		S	41 18				
10	USCGS	15 02 42.2, 7.3S, 155.8E, H = 29 Km, M = 5.6					
	SOLOMON IS						
	PNS	PKP	15 21 53.4		1.4	186	
		PP	24 17.0				
		iPKS	25 16.3				
		SKS	28 50				
		PS	34 21				
		SS	41 52				
		G	56.7				
		L	16 03.9				
	LPB	PKP	15 21 54.5		1.2	155	130.5

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	D
			ePP	24 26				
			PKS	25 16.5				
			eSS	41 56				
			eL	16 04				
		TRJ	PKP	15 21 54.9				
APR	10	PNS	P	16 38 31.8		0.6	4	
			S	54.4				
APR	10	LPB	P	16 57 32		0.9	17	
		PNS	iP	16 57 36.2	C	0.6	9	
APR	10	USCGS	16 47 49.7, 63.6S, 167.3W, H = 33 Km, M = 5.					
		S PACIFIC CORDILLERA						
		PNS	eP	16 59 55		2.1	385	
			iPP	17 03 03.6				
		TRJ	eP	16 59 40.4				
		LPB	eP	16 59 56		2.2	313	
			ePP	17 03 04				
			S	09 58				
			eSS	15 11				
			eL	25				
APR	10	PNS	P	17 01 02.4		0.7	11	
			eS	36.4				
APR	10	USCGS	18 24 51.7, 7.3S, 155.8E, H = 78 Km, M = 5.3					
		SOLOMON IS						
		LPB	ePKP	18 43 58				1
			PKS	47 22				
			eL	19 26				
		PNS	PKP	18 43 59		1.2	12	
			ePKS	47 21				
			eSS	19 03 40				
			eL	26.6				
APR	10	PNS	eP	18 58 07				
			e(S)	59 54				
		LPB	eP	18 58 10				
APR	10	TRJ	eP	19 17 01.6				
		LPB	P	19 17 20.4		0.7	7	
			(S)	29				
APR	10	USCGS	19 57 34.4, 58.6N, 154.3W, H = 66 Km, M = 5.					
		ALASKA PENINSULA						
		LPB	eP	20 11 12.5				1
			eL	46				
		PNS	P	20 11 17.5				
			eL	20 16				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
10	USCGS	20 55 21.0, 19.3N, 63.6W, H = 33 Km, M = 4.8					
	LEEWARD IS						
	PNS	P	21 02 17.8		1.3	22	
		iPcP	04 49.9				
		eSS	09 34				
		eL	12.7				
	LPB	P	21 02 20		1.5	49	36.1
		PP	04 50.7				
		eSS	09 33				
		eL	12				
10	USCGS	21 03 32.3, 24.1S, 176.3W, H = 205 Km, M = 4.7					
	S OF FIJI IS						
	LPB	eL	21 50				98.7
	PNS	eL	21 50				
10	USCGS	21 07 47.5, 7.4S, 155.7E, H = 103 Km, M = 5.4					
	SOLOMON IS						
	PNS	PKP	21 26 51.2		1.7	45	
		PKS	30 14.9				
		eL	22 09.9				
	LPB	ePKP	21 26 52.5				130.5
		ePKS	30 15.5				
		eL	22 10				
10	USCGS	21 49 19.5, 7.3S, 155.9E, H = 39 Km, M = 5.3					
	SOLOMON IS						
	LPB	PKP	22 08 30.2		1.2	71	130.5
		ePP	10 48				
		ePKS	11 53				
		eL	51				
	PNS	PKP	22 08 30.3	C	1.9	144	
		iPKS	11 52.4				
		eL	22 51				
	TRJ	PKP	22 08 31.8				
10	USCGS	21 13 07.7, 3.4S, 143.2E, H = 33 Km, M = 5.5					
	NR N CST OF NEW GUINEA						
	LPB	ePKP	23 32 30.5		0.7	6	142.8
		eL	20				
	PNS	PKP	23 32 39.9		0.8	8	
		eL	00 20.9				
	TRJ	ePKP	23 32 51.3				
11	LPB	eP	00 53 04.5				
	PNS	eP	00 53 04.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	11	USCGS LEEWARD IS	01 10 07.0, 18.9N, 62.9W, H = 33 Km, M =				
		PNS	P	01 17 02.2			
			eL	27.5			
		LPB	P	01 17 03.5		1.4	36
			eL	27.4			
APR	11	PNS	P	01 32 45.9		0.6	11
			S	33 27			
		LPB	eP	01 32 51			
APR	11	PNS	eP	02 17 02.6			
			eS	19 14			
		LPB	eP	02 17 23			
			eS	19 30			
APR	11	USCGS LEEWARD IS	02 30 20.6, 18.8N, 62.8W, H = 33 Km, M =				
		PNS	eP	02 37 15.4			
			eL	02 48.2			
		LPB	eP	02 37 16			
			eL	48			
APR	11	USCGS NICOBAR IS REG	03 09 31.9, 6.9N, 97.1E, H = 33 Km, M = 4				
		LPB	ePKP	03 29 38.2		1.0	10
			PKP2	30 23			
			eL	04 16			
		PNS	ePKP	03 29 39.8			
			iPKP2	30 25			
			eL	16.8			
APR	11	LPB	iP	03 50 21.7		1.2	28
		PNS	iP	03 50 25.0	D	0.8	10
		TRJ	eP	03 50 28.9			
APR	11	USCGS SOLOMON IS	04 52 48.3, 7.4S, 155.7E, H = 86 Km, M =				
		CHA	PKP	05 11 47.3			
		LPB	ePKP	05 11 54		1.0	8
			e	13 20			
			eL	55			
		PNS	PKP	05 11 54		1.4	19
			e	13 16.7			
			eL	55			
APR	11	PNS	P	05 18 16.7			
			S	53.6			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
11	USCGS CELEBES	05 09 12.1, 3.3S, 119.2E, H = 21 Km, M = 5.2					
	LPB	PKP	05 29 13.6	D	2.2	205	158.5
		PKP2	50				
		ePKS	32 47				
		ePP	33 30				
		eSS	53 42				
		eG	06 15				
		eL	25				
	TRJ	PKP	05 29 08.8				
	PNS	PKP	05 29 13.8	C	2.0	178	
		iPKP2	51.3				
		PP	33 31.6				
		eG	06 14.6				
		eL	06 24.7				
11	PNS	eP	07 31 58				
	LPB	eP	07 32 02				
11	USCGS OFF CST OF CENTRAL AMERICA	07 49 57.5, 12.4N, 90.0W, H = 33 Km, M = 4.4					
	LPB	eP	07 57 55				36.1
		eL	08 07				
	PNS	eP	07 56 59				
		L	08 07.3				
11	LPB	P	07 51 17.6	D	1.3	49	
	PNS	iP	08 51 21.5	D	1.0	16	3.4
		eS	52 02				
	TRJ	P	08 51 24.9				
11	LPB	eP	09 27 48		1.0	6	
11	TRJ	iP	09 45 57.0	C			4.0
		S	46 42.6				
11	LPB	eP	09 46 28		0.6	4	
	PNS	P	09 46 32.7				8.1
		eS	48 04				
11	USCGS N CHILE	10 40 21.5, 23.2S, 68.8W, H = 93 Km, M = 5.0					
	TRJ	iP	10 41 27.1	C			
	LPB	iP	10 41 59.5				6.9
		eS	43 35.5				
	PNS	iP	10 42 02.9	C	1.4	77	
		eS	43 38.6				
11	TRJ	P	10 43 29.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	11	USCGS TAIWAN	11 31 12.2, 23.6N, 121.7E. H = 61 Km, M =				
		LPB	eL	12 50			
APR	11	USCGS LEEWARD IS	12 42 47.7, 18.8N, 67.7W, H = 49 Km, M =				
		PNS	iP	12 49 40.5	C	1.4	66
			iPP	50.5			
			S	55 24			
			SS	57 05			
			eL	13 00			
		LPB	iP	12 49 42	C	1.3	105
			eS	55 05			
			eL	13 00			
		TRJ	P	12 50 19.7			
APR	11	LPB	eP	13 25 43			
			S	26 22			
		PNS	P	13 25 48.4		0.8	7
			S	26 28			
		TRJ	P	13 25 50.9			
APR	11	USCGS S OF HONSHU, JAPAN	13 43 23.7, 31.9N, 141.7E, H = 53 Km, M =				
		PNS	ePKP	14 03 08			
		LPB	ePKP	14 03 09			
			eL	53			
APR	11	PNS	iP	15 02 41.2	D	0.5	18
			S	03 05			
APR	11	LPB	eP	15 12 17			
		PNS	eP	15 12 19			
APR	11	TRJ	P	15 21 06.1			
		PNS	P	15 21 42.0			
			S	22 00			
		LPB	P	15 21 45.5			
APR	11	TRJ	P	17 13 39.8			
APR	11	PNS	iP	18 02 02.4	D	0.6	10
			iS	24.0			
APR	11	PNS	P	18 30 33.7			
			S	52			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
11	USCGS S OF HONSHU, JAPAN	19 54 09.6, 33.1N, 139.7E, H = 149 Km, M = 4.2					
	LPB	ePKP	20 13 42				149.8
		eL	21 05				
	PNS	PKP	20 13 45.4		0.9	6	
11	LPB	eP	22 48 35		1.0	16	
	PNS	eP	22 48 42.6				2.5
		S	49 12.6				
11	USCGS SOLOMON IS	22 46 34.8, 7.7S, 155.8E, H = 58 Km, M = 5.0					
	PNS	ePKP	23 05 42.4				
	LPB	PKP	23 05 43				130.5
		eL	48				
12	LPB	eP	00 25 39				3.5
		S	26 20.2				
12	PNS	P	01 05 52.2		0.5	5	2.2
		eS	06 18				
	LPB	P	01 05 52.7				2.5
		eS	06 16.7				
12	USCGS OFF CST OF S ALASKA	00 54 42.1, 56.2N, 136.0W, H = 37 Km, M = 4.4					
	LPB	eL	01 25				91.9
12	USCGS BISMARCK SEA	02 00 15.9, 3.1S, 148.1E, H = 33 Km, M = 4.9					
	LPB	ePKP	02 19 29		0.9	5	139.3
		eL	03 06				
	PNS	ePKP	02 19 37.6				
12	USCGS FOX IS ALEUTIAN IS	03 06 05.3, 53.0N, 167.7W, H = 54 Km, M = 4.4					
	LPB	eP	03 20 24				109.0
		eL	58				
12	LPB	P	03 38 12.5		1.0	16	2.3
		S	41				
	PNS	P	03 38 16				3.0
		S	51				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	12	LPB	eP	04 10 54			
		PNS	eP	04 10 54.6			
APR	12	USCGS	04 31 45.3 19.2S, 168.9E H = 200 Km, M =				
		NEW HEBRIDES IS					
		LPB	eL	05 25			
APR	12	USCGS	04 40 53.0 19 3N, 63.6W, H = 38 Km, M = 4.				
		LEEWARD IS					
		PNS	iP	0 47 19.4	C	1.4	76
			iPP	57.1			
			eSS	53 20			
			eL	57.5			
		LPB	P	04 47 51.2	C	1.2	64
		TRJ	P	04 48 29.8			
APR	12	USCGS	04 51 40.2, 5.3N, 96.5E, H = 55 Km, M = 6.1				
		N SUMATRA					
		LPB	iPKP	05 11 39.2	C	1.2	177
			i	44.4			
			PKP2	12 20.5			
			PP	16 11.5			
			SS	36 38			
			eG	58			
			L	06 08			
		PNS	iPKP	05 11 39.7	C	1.6	170
			PKP2	12 24.0			
			iPP	16 11.2			
			SKS	18 21			
			SKKS	22 55.7			
			L	06 07.9			
		TRJ	PKP	05 11 32.9	C		
APR	12	USCGS	04 56 26.8, 12.2N, 88.1W, H = 49 Km, M = 4.				
		OFF CST OF CENTRAL AMERICA					
		PNS	eP	05 03 11.4			
		LPB	eP	05 03 16			
		TRJ	P	05 04 05.2			
APR	12	USCGS	05 11 14.1, 5.5N, 96.7E, H = 33 Km, M = 5.				
		N SUMATRA					
		LPB	PKP	05 31 15.5	C	1.4	81
			iPKP2	32 05.2			
			ePP	35 43			
		TRJ	PKP	05 31 10.2			
		PNS	iPKP	05 31 16.4	C	1.3	40
			iPKP2	32 01.3			
			ePP	35 43.2			

H	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	12	USCGS	05 18 11.9, 5.6N, 96.7E, H = 102 Km, M = 5.0					
		N SUMATRA						
		PNS	ePKP	05 38 06		1.4	24	
		LPB	ePKP	05 38 07		1.2	17	162.1
	12	LPB	P	05 51 22.7				2.8
			eS	55.5				
		PNS	P	05 51 30.6		0.8	7	3.0
			S	52 06				
	12	USCGS	05 42 20.9, 13.8N, 144.6E, H = 139 Km, M = 5.3					
		MARIANA IS						
		PNS	PKP	06 01 51.2		1.4	40	
		LPB	ePKP	06 01 51.5		1.0	20	148.4
			epPKP	02 12.4				
		TRJ	PKP	06 02 01.7				
	12	USCGS	06 03 37.3, 5.3N, 96.6E, H = 33 Km, M = 5.1					
		N SUMATRA						
		PNS	ePKP	06 23 38.4		1.2	10	
		LPB	ePKP	06 23 39		1.2	10	161.1
	12	LPB	eP	07 45 52.5				2.8
			eS	46 26				
		PNS	P	07 46 01.2		0.6	6	3.0
			S	36.2				
	12	PNS	P	08 43 20.4				3.0
			eS	54.4				
	12	TRJ	P	09 00 30.3				
			S	01 10.0				
		PNS	eP	09 01 17				3.2
			S	54				
		LPB	P	09 01 19		0.9	17	4.0
			i	29.2				
			iS	02 05.5				
	12	TRJ	P	09 13 41.0	D			
	12	PNS	P	10 15 58.2				1.4
			S	16 16.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	12	LPB	eP	12 21 13		0.8	16	
			S	45				
		PNS	P	12 21 21.4		0.8	14	
			S	57.5				
APR	12	LPB	P	12 27 56		0.7	15	
APR	12	LPB	P	12 33 04.3		0.4	14	
			i	07.7				
APR	12	LPB	eP	12 57 38.5				
		TRJ	P	12 57 01.2	D			
		PNS	P	12 57 42.4		0.6	4	
APR	12	USCGS	13 46 05.0, 7.5S, 155.8E, H = 49 Km, M = 5.1					
		SOLOMON IS						
		PNS	PKP	14 05 14.6		1.8	53	
			PP	08 39.6				
			eL	14 47.8				
		LPB	PKP	14 05 15.4		1.2	28	1
			epPKP	37.5				
			eL	48				
APR	12	USCGS	13 54 57.2, 7.3S, 155.6E, H = 52 Km, M = 5.2					
		SOLOMON IS						
		PNS	PKP	14 14 06.3		2.1	283	
			iPKS	17 29.9				
			eSKKS	23 35.8				
			L	55.9				
		LPB	PKP	14 14 06.5		2.2	378	1
			PKS	17 30.5				
			eL	56				
APR	12	PNS	eP	14 27 01.6		2.0	54	
		LPB	eP	14 27 02		1.7	67	
APR	12	USCGS	14 21 32.6, 14.1N, 146.5E, H = 61 Km, M = 4.					
		MARIANA IS						
		LPB	ePKP	14 41 04				
			eL	15 30				
		PNS	ePKP	14 41 10.7				
APR	12	USCGS	14 32 39.2, 15.2N, 94.0W, H = 53 Km, M = 4.7					
		NR CST OAXACA, MEXICO						
		LPB	eP	14 40 06				
			e	41 24.5				
		PNS	eP	14 40 07				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
12	PNS	iP	14 41 46.0	D	0.6	11	2.0
		S	42 10.2				
12	USCGS	14 51 49.4, 7.4S, 155.7E, H = 21 Km, M = 5.3					
	SOLOMON IS						
	PNS	PKP	15 11 03.1		2.0	95	
		PKS	14 26.6				
		eL	53.7				
	LPB	PKP	15 11 03.3		1.2	3	130.5
		PKS	14 27				
		eSS	30 14				
		eL	54				
12	PNS	P	15 42 25				
	LPB	eP	15 42 26				
12	PNS	P	16 36 30.7		0.7	6	
12	USCGS	18 06 59.2, 8.3S, 127.0E, H = 13 Km, M = 4.4					
	TIMOR						
	LPB	eP	18 26 55		1.2	68	151.0
		PKP2	27 11.8				
		eL	19 19.8				
	PNS	PKP	18 26 56.1		1.0	26	
		PKP2	27 05.7				
12	USCGS	18 45 12.2, 7.5S, 155.7E, H = 73 Km, M = 5.1					
	SOLOMON IS						
	PNS	ePKP	19 04 19.3				
	LPB	eL	19 46				130.5
12	USCGS	19 01 00.8, 19.3N, 63.5W, H = 30 Km, M = 4.3					
	LEEWARD IS						
	LPB	eP	19 07 55				36.1
		eL	19				
	PNS	P	19 07 59		0.7	5	
12	USCGS	19 28 55.3, 14.4N, 56.7E, H = 33 Km, M = 4.7					
	ARABIA SEA						
	LPB	ePKP	19 58 10				127.3
		eL	20 40				
	PNS	PKP	19 58 13.2		1.6	19	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	12	USCGS	19 33 47.3, 5.2N, 96.7E, H = 56 Km, M = 5.2					
		N SUMATRA						
		PNS	PKP	19 53 46.3		1.2	24	
			iPKP2	54 32.1				
		LPB	PKP	19 53 46.5				
			i	54 30.5				
			eL	20 50				
APR	12	USCGS	21 22 09.3, 35.5S, 73.3W, H = 12 Km, M = 5.3					
		OFF CST OF CENTRAL CHILE						
		LPB	iP	21 26 40.2	D	1.7	622	
			ePP	27 09				
			S	30 31				
			eL	32.3				
		PNS	iP	21 26 41.9	D	1.5	216	
			iPP	27 06.6				
			iS	30 26				
			eL	32.2				
APR	12	USCGS	22 26 25.0, 7.4S, 155.3E, H = 107 Km, M = 5.					
		SOLOMON IS						
		PNS	ePKP	22 45 27.3		1.2	8	
			SS	23 05 23				
			L	28.4				
		LPB	eL	23 28				
APR	12	USCGS	22 50 43.9, 7.1S, 155.6E, H = 72 Km, M = 4.					
		SOLOMON IS						
		PNS	PKP	23 09 50.5		1.0	8	
			eL	51.9				
		LPB	ePKP	23 09 51		1.0	12	
			eL	51				
APR	12	USCGS	23 22 20.4, 7.5S, 155.6E, H = 78 Km, M = 5.					
		SOLOMON IS						
		LPB	ePKP	23 41 25				
			eL	24 24				
		PNS	PKP	23 41 26.7				
			eSS	00 01 08				
			eL	24.2				
APR	12	PNS	eP	01 29 21				
APR	13	LPB	P	03 22 25.2		1.0	8	

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
13	USCGS	04 14 33.6, 18.7S, 168.8E, H = 123 Km, M = 5.2					
	NEW HEBRIDES IS						
	PNS	ePKP	04 33 03.8				
		eSKS	04 40 00				
		eSS	49.7				
		eL	05 08				
	LPB	eL	05 08				113.9
3	LPB	eP	05 01 00		0.9	8	
3	USCGS	04 47 16.4, 46.8N, 152.7E, H = 49 Km, M = 4.7					
	KURILE IS						
	LPB	ePKP	05 06 30				134.9
		eL	50				
	PNS	eL	05 50.9				
3	PNS	P	05 33 05		0.9	4	20.0
		S	36 43				
		L	38.5				
	CHA	eP	05 33 08.2				
	LPB	eP	05 33 11				19.5
		(PP)	45.7				
		eS	36 45				
		eL	38.7				
	LPB	eP	06 26 59.3				
		i	27 03				
	PNS	eP	06 27 08				
	LPB	eP	06 54 47.5				
	PNS	eP	06 54 53.6				10.4
		eS	56 50				
	CHA	eP	06 54 56.0	C			
	PNS	iP	08 01 48.2	C	1.0	8	
		i	56				
	LPB	P	08 01 48.3		0.9	10	
	USCGS	08 25 43.8, 5.5N, 96.6E, H = 68 Km, M = 5.2					
	N SUMATRA						
	PNS	ePKP	08 45 36				
		L	09 43				
	LPB	PKP	08 45 41.5		1.0	8	161.1
		eL	09 43				
	PNS	P	09 27 12.6				0.4
		S	20				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	13	USCGS	10 59 36.2, 16.1N, 94.5W, H = 46 Km, M = 3.				
		OAXACA, MEXICO					
		PNS	eP	11 07 13.4		1.2	11
		LPB	eL	11 20			
APR	13	PNS	P	11 43 07		1.0	5
APR	13	PNS	P	11 57 13.3			
			i	16.5			
			S	35.4			
APR	13	PNS	P	12 49 05.7	C	0.4	2
			S	28			
APR	13	TRJ	P	14 27 20.1			
			S	52.9			
APR	13	USCGS	14 26 49.5, 7.0S, 151.0W, H = 33 Km, M = 5.				
		LINE IS REG					
		LPB	eP	14 39 04			
			eSS	54 23			
			eL	15 06			
		PNS	P	14 39 06.3		0.9	9
			eL	15 05.4			
APR	13	PNS	P	15 32 52			
			S	33 22			
APR	13	TRJ	iP	16 18 08.2	D		
			S	18 38.2			
		LPB	P	16 18 45		1.7	14
		PNS	iP	16 18 59.8	C	0.7	9
APR	13	TRJ	P	16 35 56.4			
			S	36 35.5			
APR	13	LPB	eP	16 36 16.5			
			S	37 18			
		PNS	P	16 36 21.5		0.8	12
			S	37 22			
APR	13	LPB	eP	16 54 24			
		PNS	P	16 54 25.9		0.5	3

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
13	USCGS	17 13 43.5, 18.0S, 178.6W, H = 610 Km, M = 5.0					
	FIJI IS REG						
	PNS	ePKP	17 26 39				
		eL	18 01.6				
	LPB	eL	18 02				103.0
13	USCGS	17 41 28.9, 27.9S, 66.9W, H = 158 Km, M = 4.5					
	CATAMARCA PROV, ARGENTINA						
	LPB	P	17 44 08.7		0.7	22	11.2
		eS	46 11				
	TRJ	iP	17 43 05.5	C			
	PNS	iP	17 44 11.5	C	0.8	25	
		S	46 16				
		eL	47.2				
	CHA	P	17 44 10.1				
13	LPB	P	18 39 23.7				
	PNS	P	18 39 24.9		0.7	3	
		e(S)	45 15				
13	USCGS	18 40 07.7, 52.1N, 167.6E, H = 50 Km, M = 5.3					
	KAMCHATKA						
	PNS	PKP	18 59 11.6		1.0	10	
	LPB	PKP	18 59 12		0.9	20	129.6
13	USCGS	18 48 06.8, 34.2S, 72.1W, H = 64 Km, M = 4.6					
	NR CST OF CENTRAL CHILE						
	LPB	P	18 52 06.5				18.1
	PNS	iP	18 52 14.2	C	1.4	49	
		eL	57.3				
13	LPB	eP	19 23 19				
	PNS	P	19 23 26.9		0.4	2	2.3
		S	53.8				
13	PNS	eP	19 48 17.0				
	LPB	eP	19 48 55				
13	USCGS	19 53 42.4, 27.3N, 128.7E, H = 38 Km, M = 6.0					
	RYUYU IS						
	PNS	PKP	20 13 42.7		1.6	105	
		eL	21 10				
	LPB	PKP	20 13 43.2		1.5	62	160.6
		ePP	18 22				
		eL	21 10				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	D
APR	13	USCGS	19 59 51.9, 18.5N, 10.2W, H - 86 Km, M = 5.6					
		GUERRERO, MEXICO						
		PNS	iP	20 09 11.8	D	2.0	185	
			ipP	26.4				
			pP	09 46.3				
			S	15 13				
			SS	18 43				
			G	19				
			eL	22.1				
		LPB	P	20 08 14.7	D	2.1	119	
			pP	29.7				
			i	09 47.5				
			eS	15 20				
			SS	18 43				
			eL	22				
APR	13	USCGS	21 43 12.4, 14.5N, 56.5E, H = 33 Km, M = 4.					
		ARABIAN SEA						
		LPB	eL	22 43				
APR	13	TRJ	P	23 31 36.5				
APR	13	TRJ	P	23 42 36.3	C			
APR	13	PNS	P	23 56 13.9				
			S	36.6				
		LPB	eP	23 56 11				
APR	14	TRJ	P	03 27 21.8				
			S	28 05.3				
		LPB	eP	03 27 26.5				
		PNS	P	03 27 32.3				
			eS	28 22.7				
APR	14	PNS	eP	03 43 05.2				
		TRJ	eP	03 42 55.6				
			S	43 25.0				
		LPB	eP	03 43 05.5				
APR	14	USCGS	04 38 35.6, 0.3N, 90.1W, H = 33 Km, M = 4.					
		GALAPAGOS IS						
		PNS	eP	04 44 19				
			eSS	50 00.3				
			eL	52.1				
		LPB	eP	04 44 20				
			eL	53				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
14	USCGS	04 34 21.2, 7.6S, 128.0E, H = 97 Km, M = 5.4					
	BANDA SEA						
	PNS	PKP	04 54 05.5		0.9	9	
		L	05 43.7				
	TRJ	PKP	04 54 00.1	D			
	LPB	PKP	04 54 05.8	D	1.0	12	151.1
		eL	05 44				
14	USCGS	04 41 51.0S, 2.4N, 89.0W, H = 33 Km, M = 4.5					
	GALAPAGOS IS REG						
	PNS	P	04 47 38.8		2.0	38	
	LPB	eP	04 47 41		1.1	12	27.9
		PcP	51 05.2				
		eSS	52 19				
		eL	56				
14	USCGS	05 18 35.8, 17.5N, 100.2W, H = 62 Km, M = 4.9					
	GUERRERO, MEXICO						
	PNS	iP	05 26 54.5	D	2.0	89	
		i	27 05.4				
		PP	28 44.0				
		L	40.3				
	LPB	P	05 26 57.5		0.8	15	46.3
		i	27 08.5				
		eL	40				
	TRJ	P	05 27 41.2	D			
		i	52.1				
14	USCGS	08 01 54.3, 6.4S, 131.5E, H = 51 Km, M = 4.9					
	TANIMBAR IS REG						
	PNS	ePKP	08 21 43.3				
		eL	09 12.9				
	LPB	ePKP	08 21 46				150.2
		eL	09 13				
14	TRJ	P	08 40 45.0				3.9
		S	41 31.1				
14	USCGS	09 39 14.3, 17.1S, 167.7E, H = 28 Km, M = 4.7					
	NEW HEBRIDES IS						
	LPB	eL	10 34				115.6
14	USCGS	09 48 24.0, 6.8N, 73.0W, H = 166 Km, M = 4.3					
	N COLOMBIA						
	PNS	P	09 53 19.1				
		pP	54.5				
	LPB	eP	09 53 25.5				24.3
		pP	56.5				
		eL	10 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	14	USCGS	10 04 17.3, 25.6N, 109.5W, H = 33 Km, M = 4.					
			GULF OF CALIFORNIA					
		LPB	eP	10 14 06				
			eL	32				
APR	14	PNS	eP	10 30 59.6				
			S	31 45				
		CHA	P	10 31 01.6				
			S	49.4				
		LPB	eP	10 31 10		0.8	12	
			S	32 03.6				
APR	14	PNS	iP	11 08 00.8	D	0.6	90	
			S	27.8				
		LPB	P	11 08 04.2		0.8	24	
APR	14	LPB	e(P)	12 09 07				
			eL	13 16				
APR	14	TRJ	P	12 11 35.5				
		PNS	eP	12 12 11				
APR	14	TRJ	P	12 29 34.4	D			
			S	30 06.3				
APR	14	USCGS	13 51 17.2, 22.8S, 69.4E, H = 33 Km, M = 4.					
			MID-INDIAN RISE					
		LPB	eL	14 49				
APR	14	TRJ	P	14 59 27.1				
			S	57.6				
APR	14	USCGS	14 41 17.6, 7.4S, 155.5E, H = 77 Km, M = 5					
			SOLOMON IS					
		LPB	ePKP	15 00 21.5				
			PKS	03 46				
			eL	43				
		PNS	PKP	15 00 24.0		1.1	17	
			PKS	03 48.6				
APR	14	USCGS	15 28 39.3, 51.7N, 168.7W, H = 37 Km, M =					
			FOX IS. ALEUTIAN IS					
		LPB	eL	16 19				
APR	14	TRJ	eP	15 44 49.5				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
14	PNS	iP	16 24 26.3	C	0.8	11	2.6
		iS	58.0				
	LPB	eP	16 24 31		0.8	12	3.2
		eS	25 08				
14	TRJ	iP	18 32 31.3	D			
14	LPB	eP	18 48 29				
	PNS	iP	18 48 32.1		0.7	6	
14	USCGS	18 58 20.3, 14.6N, 56.5E, H = 33 Km, M = 4.7					
	ARABIAN SEA						
	LPB	eL	19 58				129.3
	PNS	eL	19 58.9				
14	PNS	P	20 23 02.3				1.8
		iS	24.5				
	LPB	P	20 23 31		0.7	8	
14	TRJ	P	21 35 57.6	C			
	PNS	eP	21 36 26				
		e	47.6				
		i	37 04				
		(S)	54				
	LPB	eP	21 36 28				
		e	44.5				
		i	37 03				
4	LPB	eP	23 15 37				
	PNS	e(P)	23 15 38				
		e	52				
4	PNS	P	23 54 38				2.0
		eS	55 02.5				
5	USCGS	00 41 05.7, 33.1S, 178.7W, H = 35 Km, M = 4.5					
	S OF KERMADEC IS						
	LPB	eL	24 26				97.0
5	USCGS	01 02 01.5, 18.2N, 147.0E, H = 99 Km, M = 4.5					
	MARIANA IS						
	LPB	ePKP	01 21 34.5				146.4
		eL	02 11				
	PNS	ePKP	01 21 35				
		eL	01 11.1				
5	TRJ	P	04 21 32.5	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	15	PNS	P	04 46 18.9		0.8	5
APR	15	PNS	iP	05 51 49.2			
			iS	52 12.6			
		LPB	iP	05 51 51.7	D	1.1	72
			i	56.2			
			eS	52 17			
APR	15	TRJ	P	08 17 12.3	D		
		LPB	eP	08 18 07.5		0.5	4
		PNS	P	08 18 11			
			eS	19 35			
APR	15	USCGS KERMADEC IS	09 00 40.3, 29.1S, 179.7W, H = 349 Km, M =				
		PNS	eP	09 13 42			
			e	14 14.0			
		LPB	eL	09 48			
APR	15	TRJ	iP	09 27 40.9	C		
			iS	28 08.0			
		LPB	eP	09 28 18			
		PNS	P	09 28 21.6		0.6	5
APR	15	PNS	eP	09 46 45			
		LPB	P	09 46 46.5		0.5	4
APR	15	TRJ	iP	10 30 51.8	D		
		LPB	P	10 31 48.6		1.0	24
			eS	33 03			
		PNS	iP	10 31 52.5	C	0.8	11
			eS	33 14			
APR	15	TRJ	iP	13 02 09.7	C		
			S	42.2			
APR	15	PNS	eP	13 13 15.5			
		LPB	eP	13 13 17			
APR	15	PNS	eP	13 21 06.7			
			e	56			
		LPB	eP	13 21 07			
APR	15	PNS	iP	14 46 01.1		0.5	4
			S	24.5			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
15	LPB	eP	15 03 50				
	PNS	P	15 03 51.3				
15	LPB	eP	15 17 50				
15	PNS	iP	15 48 34	D			1.9
		iS	57				
	LPB	eP	15 48 35				2.1
		S	48 59.8				
15	USCGS NEW HEBRIDES IS	15 39 31.8, 16.7S, 167.7E, H = 18 Km, M = 4.4					
	PNS	PKP	15 58 13.6				
	LPB	eL	16 34				115.6
15	USCGS NEW HEBRIDES IS	15 56 07.4, 16.7S, 167.6E, H = 10 Km, M = 4.7					
	LPB	eL	16 50				116.0
	PNS	eL	16 50.2				
15	PNS	P	16 37 42				
		e	58				
	LPB	eP	16 37 44				
15	USCGS RED SEA	16 59 07.3, 20.7N, 38.7E, H = 33 Km, M = 4.9					
	LPB	eL	17 52				111.1
15	LPB	P	19 26 25		0.6	17	
15	PNS	P	19 28 14.0		0.7	6	
	LPB	eP	19 28 16				
15	USCGS ANDREANOF IS ALEUTIAN IS	20 55 46.9, 51.4N, 179.1W, H = 49 Km, M = 4.9					
	PNS	eSS	21 31 25				
		eL	21 50.4				
	LPB	eL	21 51				115.6
15	LPB	eP	22 32 35				
	PNS	P	22 32 47.6		0.8	5	2.1
		S	33 13.2				
15	PNS	P	23 07 05				2.3
		eS	32				
	LPB	eP	23 07 07		0.8	7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	15	USCGS HOKKAIDO, JAPAN REG	23 35 51.1, 41.9N, 142.3E, H = 66 Km, M = 4				
		PNS	ePKP	23 55 21.7			
			eL	00 44.4			
		LPB	eP	23 55 22			
			epPKP	39			
			eL	24 45			
APR	16	PNS	P	00 00 53.9			
			S	01 07.4			
APR	16	PNS	P	00 53 55.7			
			eS	54 53.7			
		LPB	eP	00 53 57.5			
APR	16	USCGS FLORES IS REG	01 33 12.0, 8.1S, 122.9E, H = 180 Km, M =				
		LPB	ePKP	01 52 40			
			eL	02 45			
		PNS	eL	02 45.4			
APR	16	LPB	P	02 28 53.7		0.7	10
APR	16	USCGS SAMOA IS REG	02 23 04.9,14.9S, 173.4W, H = 33 Km, M = 4				
		LPB	eL	03 11			
APR	16	LPB	eP	02 48 38			
			eS	49 51.5			
		TRJ	iP	02 47 51.9	D		
		PNS	P	02 43 41.0		0.6	4
			S	50 00			
APR	16	PNS	eP	03 15 56.4			
			e(S)	17 08			
APR	16	LPB	P	05 51 20.4		0.8	16
			eS	52			
		PNS	P	05 51 21.0	C	0.8	14
			S	53			
APR	16	USCGS SOLOMON IS	05 51 33.0, 8.1S, 155.8E, H = 33 Km, M =				
		LPB	eP	06 10 35			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
16	USCGS S OF FIJI IS	07 18 11.8, 19.4S, 175.9E, H = 38 Km, M = 5.3					
	PNS	eSS	07 52 10				
		eL	08 08.5				
	LPB	eP	07 32 17				107.1
		eL	08 09				
16	PNS	P	08 41 57.4				2.2
		S	42 24				
	LPB	eP	08 41 59				2.1
		eS	42 24				
16	PNS	iP	09 11 39.5	D			2.0
		S	12 04				
	LPB	iP	09 11 40.5		0.9	24	2.1
		iS	12 05.6				
16	USCGS N OF CALIFORNIA	09 55 00.9, 1.0N, 17.3W, H = 33 Km, M = 4.8					
	TRJ	P	10 04 02.0				
	LPB	P	10 04 09.8				
		pP	14				
		ePP	06 13.5				
		eL	20				
	PNS	eP	10 04 17				
		ePP	06 16				
		S	12 15				
		SS	15 28				
		L	19.5				
16	USCGS KURILE IS	10 10 -6.7, 46.4N, 153.3E, H = 24 Km, M = 5.3					
	PNS	ePKP	10 29 23		1.2	13	
		PKS	32 53				
		SS	49 18				
		eL	11 13				
	LPB	PKP	10 29 26.7				134.5
		eL	11 13				
	TRJ	ePKP	10 29 29.1				
16	LPB	eP	11 47 42.2				
	PNS	P	11 47 47.0		0.8	10	5.9
		i	59.7				
		S	48 54.6				
16	PNS	eP	11 52 45				5.1
		eS	53 43				
16	PNS	P	13 19 14.5				3.3
		eS	54				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	16	LPB	eP	13 50 40			
		PNS	P	13 50 56.0			
			S	51 41.9			
APR	16	PNS	P	14 10 57			
			eS	11 33			
APR	16	LPB	eP	14 57 47			
		PNS	P	14 57 50.2			
APR	16	USCGS	15 04 37.2, 43.1N, 125.3W, H = 33 Km, M = 4				
		OFF CST OF OREGON					
		LPB	eL	15 41.5			
APR	16	TRJ	eP	15 35 51.4			
			S	36 25.8			
		PNS	P	15 36 12.6		0.4	1
			S	37 02			
APR	16	USCGS	16 18 54.4, 43.4N, 176.6W, H = 33 Km, M =				
		OFF CST OF OREGON					
		LPB	eL	16 57			
		PNS	eL	16 57.1			
APR	16	PNS	P	16 38 05.5			
			S	50.6			
APR	16	USCGS	16 32 17.3, 4.2N, 123.2E, H = 590 Km, M =				
		CELEBES SEA					
		LPB	ePKP	16 51 05			
			eL	17 45			
		PNS	eSS	17 15			
			eL	45.2			
APR	16	USCGS	17 31 08.6, 16.8S, 167.6E, H = 33 Km, M =				
		NEW HEBRIDES IS					
		LPB	eL	18 26			
APR	16	PNS	P	18 05 45.3		0.7	6
			eS	06 14			
		LPB	P	18 05 48.5		1.0	24
APR	16	USCGS	18 17 52.2, 15.8S, 174.2W, H = 33 Km, M =				
		TONGA IS					
		PNS	eP	18 31 36			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
16	LPB	P	20 21 15.7				3.2
		i	27.6				
		S	53.5				
	PNS	P	20 21 28.4				2.1
		iS	53				
16	PNS	P	20 28 58				2.5
		S	29 28.8				
	LPB	eP	20 29 09				1.9
		S	32				
16	PNS	iP	20 37 01.1	D	0.5	5	2.1
		S	25.7				
16	PNS	P	22 20 22		0.6	5	1.8
		S	44.3				
16	TRJ	iP	22 22 11.5	D			
	LPB	iP	22 22 48.6	C	0.8	43	5.1
		S	23 47.5				
	PNS	iP	22 22 52.9	C	0.6	27	5.0
		S	23 50				
16	LPB	eP	22 48 45				
	PNS	eP	22 48 49.1				
17	USCGS	02 04 53.6, 56.0S, 27.3W, H = 33 Km, M = 4.8					
	S SANDWICH IS REG						
	LPB	eP	02 13 47.5		1.1	12	49.6
		eL	30				
	TRJ	P	02 12 59.6	D			
	PNS	P	02 13 50.8		0.9	10	
		ePP	14 46.6				
		eL	29.6				
17	PNS	P	03 30 22.6				2.1
		S	47.4				
17	LPB	eP	03 31 06.5				
	PNS	P	03 31 07.6				
		i	15.4				
17	TRJ	iP	05 51 45.0	C			
	LPB	eP	05 51 46.5	C	0.9	15	4.6
		S	52 39.2				
	PNS	iP	05 51 50.7	C	0.8	18	4.9
		S	52 47				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	17	USCGS		06 00 39.0, 73.8N, 6.9E, H = 33 Km, M = 4.1			
		GREENLAND SEA					
		LPB	eL	06 49			
APR	17	USCGS		68 35 36.6, 41.9N, 124.1W, H = 33 Km, M =			
		NR CST OF N CALIFORNIA					
		LPB	eL	09 13			
APR	17	LPB	P	09 21 11.2			
		PNS	P	09 21 12.2			
APR	17	LPB	P	09 42 20.7	C	1.0	16
		PNS	P	09 42 20.8		1.0	10
APR	17	PNS	P	09 45 45.2		0.7	6
			S	46 14.4			
APR	17	LPB	eP	10 28 35.5		0.9	10
APR	17	LPB	eP	11 26 06			
		PNS	eP	11 26 06.4			
APR	17	USCGS		11 07 12.9, 24.9N, 122.2E, H = 31 Km, M =			
		TAIWAN REG					
		LPB	PKP	11 27 19		1.1	12
			eL	12 26			
		PNS	iPKP	11 27 14.9	C	1.4	20
			PKP2	28 21.2			
APR	17	USCGS		11 18 19.3, 12.5S, 166.3E, H = 45 Km, M =			
		SANTA CRUZ IS					
		PNS	ePKP	11 37 06.6			
		LPB	eL	12 15			
APR	17	PNS	eP	12 04 59.1			
APR	17	LPB	eP	12 23 43			
		PNS	eP	12 23 47			
APR	17	PNS	iP	17 39 41.2	D	0.6	8
			S	40 02.8			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
17	USCGS		17 45 52.2, 20.6S, 178.2W, H = 570 Km, M = 4.5				
	FIJI IS REG						
	LPB	eP	17 58 43.7				101.9
17	LPB	eP	19 05 52				
	PNS	P	19 05 55.9		0.9	7	
17	PNS	P	19 41 45.4				
	LPB	eP	19 41 53				
17	USCGS		19 40 09.5, 25.9N, 128.7E, H = 33 Km, M = 5.0				
	RYUKYU IS						
	LPB	eL	20 56				161.9
17	LPB	eP	21 16 15.5		0.7	13	
	PNS	eP	21 16 20.6				
17	USCGS		21 37 54.5, 34.6N, 33.0E, H = 33 Km, M = 4.8				
	CYPRUS						
	LPB	eL	22 19				108.5
18	LPB	iP	00 00 30.7	C	0.8	213	4.8
		i	38				
		S	01 26				
	PNS	iP	00 00 34.5	C			4.7
		S	01 30				
	TRJ	iP	00 00 04.9	D			
8	LPB	P	00 45 06				
	PNS	P	00 45 10.1		0.6	7	
8	LPB	eP	01 52 09				5.6
		i	24.7				
		S	53 05				
	PNS	P	01 52 12.6				5.1
		S	53 02.4				
8	LPB	eP	03 47 10.5				
8	PNS	P	04 20 14.6				
8	LPB	eP	05 19 17.5		0.7	5	
		i	20				
	LPB	eP	06 15 42				
	PNS	P	06 15 49				3.0
		S	16 24				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	18	LPB	eP	06 22 55.2			
		PNS	P	06 22 55.5			
APR	18	LPB	eP	06 24 34			
		PNS	eP	06 24 34			
APR	18	PNS	P	06 53 10.1		0.6	4
		LPB	eP	06 53 11			
APR	18	USCGS	07 05 07.9, 10.7N, 86.6W, H = 53 Km, M = 4				
		OFF CST OF COSTA RICA					
		PNS	iP	07 11 35.2	C	1.0	27
			eL	20.7			
		LPB	P	07 11 38.3		0.9	15
			eL	21			
APR	18	TRJ	P	08 21 22.1			
		LPB	P	08 21 38	D	1.3	76
			i	54			
			S	22 32			
		PNS	P	08 21 43.2			
			iS	22 47.2			
APR	18	USCGS	08 29 17.1, 11.7N, 87.2W, H = 113 Km, M =				
		NR CST OF NICARAGUA					
		TRJ	P	08 35 41.9			
		PNS	P	08 35 48.6		1.2	20
			eS	41 16			
			eL	45.1			
		LPB	P	08 35 51.7		0.9	17
			eS	41 25			
			eL	45			
APR	18	TRJ	P	09 03 54.1			
		LPB	eP	09 04 01			
			S	05 16			
		PNS	P	09 04 03.6			
			i	20			
			S	05 12.6			
APR	18	PNS	iP	09 10 05.4	D		
			iS	28.0			
		LPB	P	09 10 06.5		1.1	20
			i	11			
			S	28.5			
APR	18	USCGS	09 48 49.8, 1.1S, 80.9W, H = 43 Km, M =				
		NR CST OF ECUADOR					
		PNS	P	09 53 16		0.9	11
			eL	59.1			
		LPB	P	09 53 20		0.9	17
			eL	59			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
18	LPB	eP	10 15 07				
	PNS	eP	10 15 24.4				
18	LPB	eP	11 04 15				
	PNS	eP	11 04 15.6				
18	USCGS	12 37 56.8, 13.2N, 143.5E, H = 107 Km, M = 4.9					
	S OF MARIANA IS						
	LPB	ePKP	12 57 14				150.1
		eL	13 48				
18	TRJ	eP	16 18 26.9				
18	USCGS	16 18 41.1, 14.9N, 92.4W, H = 33 Km, M = 4.3					
	NR CST OF CHIAPAS, MEXICO						
	LPB	eL	16 38				39.5
18	USCGS	16 58 08.3, 2.9N, 74.4W, H = 110 Km, M = 4.2					
	COLOMBIA						
	LPB	eP	17 02 35				20.0
		eS	06 38				
		eL	08				
	PNS	eP	17 02 35.3				
		i	41.6				
		S	07 23				
18	USCGS	18 55 11.7, 56.6N, 151.7W, H = 21 Km, M = 4.5					
	KODIAK IS REG						
	PNS	P	19 08 53.7				
	LPB	eL	19 42				100.3
8	TRJ	P	19 28 57.7	C			
8	TRJ	P	19 39 53.5	D			
8	LPB	P	19 41 07.5		0.7	13	2.3
		iS	35.2				
	PNS	iP	19 41 07.6	D	0.6	14	2.2
		S	33.2				
8	PNS	eP	20 03 27.8				
	LPB	P	20 05 07		1.0	16	
	LPB	eP	20 40 04				
	PNS	P	20 40 08.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	18	USCGS	21 41 49.9, 47.7N, 27.5W, H = 33 Km, M = 4.				
		N ATLANTIC RIDGE					
		LPB	eL	22 16			
APR	18	TRJ	P	21 57 49.2			
		LPB	eP	21 58 29			
		PNS	P	21 58 30		1.0	6
APR	18	PNS	P	22 19 25.1		0.5	3
			S	50			
APR	18	PNS	iP	23 17 50.3	D		
			iS	18 12.4			
		LPB	iP	23 17 52.2	D	0.8	37
			S	18 14.2			
APR	19	TRJ	P	01 13 00.6			
APR	19	PNS	P	02 16 03.3		0.8	6
			S	30			
		LPB	eP	02 16 06			
APR	19	USCGS	03 27 59.5, 7.9S, 155.5E, H = 55 Km,				
		SOLOMON IS					
		LPB	ePKP	03 47 12.4			
			eL	04 29			
APR	19	PNS	P	04 22 07.8		0.8	8
		LPB	eP	04 22 08			
APR	19	TRJ	iP	05 12 50.4	D		
APR	19	USCGS	06 26 57.9, 1.1S, 80.9W, H = 47 Km, M = 4				
		NR CST OF ECUADOR					
		PNS	P	06 31 23.6		1.2	21
			PP	44.0			
			PcP	35 47			
		LPB	P	06 31 27.8		1.0	32
			i	33			
			PP	49.2			
			eS	35 44			
			eL	37.7			
		TRJ	P	06 31 45.2			
APR	19	LPB	eP	07 11 16			
		PNS	P	07 11 24.6			
			eS	53			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
19	TRJ	eP	07 21 22.0				
	LPB	P	07 22 09.4		0.8	12	
		e(S)	28 11				
		eL	36				
	PNS	P	07 22 12.2		1.2	33	
19	USCGS	08 59 44.4, 7.6S, 128.7E, H = 251 Km, M = 5.1					
	BANDA SEA						
	LPB	PKP	09 19 09.5				150.3
		eL	10 10				
	PNS	ePKP	09 19 10				
19	TRJ	P	10 02 02.8	C			
	LPB	P	10 03 19.2		0.7	7	
	PNS	P	10 03 21.7		0.7	3	2.8
		S	55				
19	TRJ	eP	11 00 55.0				
	PNS	P	11 01 11.4				1.1
		iS	25				
	LPB	eP	11 01 31.5				
19	USCGS	10 46 49.2, 45.4N, 150.8E, H = 33 Km, M = 4.3					
	KURILE IS						
	LPB	eL	11 51				136.7
19	USCGS	11 00 57.2, 28.4N, 141.E, H = 300 Km, M = 4.0					
	BONIN IS REG						
	PNS	ePKP	11 20 09				
	LPB	eL	12 11				150.3
9	PNS	P	12 18 06.8		0.4	2	2.5
		S	37				
9	PNS	P	12 23 03.3		0.6	3	2.3
		iS	30				
9	LPB	eP	13 03 41.5		0.9	10	
	PNS	eP	13 03 46				
9	PNS	P	16 06 45.4				3.6
		S	07 27.4				
9	USCGS	17 14 24.1,20.6S, 178.0W, H = 449 Km, M = 4.9					
	FIJI IS REG						
	LPB	eP	17 27 24				101.9
		eL	18 02				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	19	USCGS QUEEN CHARLOTTE IS REG	18 12 24.6, 52.7N, 131.4W, H = 33 Km, M = 4					
		PNS	P	18 25 07.9	D	0.9	6	
			eL	54.4				
		LPB	eP	18 25 06.5				
			eL	55				
APR	19	PNS	P	19 02 44.7				
			S	03 07.3				
APR	19	USCGS DOMINICAN REPUBLIC REG	21 57 05.1, 18.8N, 69.6W, H = 103 Km, M =					
		PNS	P	22 03 47.6	C	1.5	52	
			pP	04 07				
			PP	05 11				
			iPcP	06 25.0				
			S	09 13				
			ScS	14 11				
		LPB	P	22 03 49.0		1.1	55	
			eL	14				
		TRJ	P	22 04 31.1	C			
APR	20	USCGS BANDA SEA	00 01 24.9, 5.5S, 129.7E, H = 162 Km, M =					
		PNS	ePKP	00 20 52.8		2.0	71	
			iPKP2	21 06.0				
			eL	01 12.8				
		TRJ	PKP	00 20 54.0	D			
			i	21 04.6				
		LPB	ePKP	00 20 54				
			iPKP2	21 04				
			eL	01 12				
		CHA	PKP	00 21 01.6				
			i	03.3				
APR	20	LPB	eP	02 20 02				
			eS	32.5				
		PNS	P	02 20 05.0		0.4	3	
			S	31.8				
APR	20	USCGS N COLOMBIA	02 24 44.3, 6.9N, 73.2W, H = 131 Km,					
		LPB	eP	02 29 39				
			eL	36				
		PNS	P	02 29 44		0.7	4	
			eL	36				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
20	USCGS ZAMBIA	02 50 57.7, 16.7S, 28.2E, H = 33 Km, M = 5.5					
	LPB	eL	03 21				91.0
	PNS	eL	03 21				
20	PNS	iP	03 06 11.0				1.4
		iS	29.0				
20	USCGS S ATLANTIC	04 17 41.7, 41.1S, 19.4W, H = 33 Km, M = 5.3					
	TRJ	P	04 25 40.8	D			
	LPB	eP	04 26 23.2		1.5	55	48.6
		eL	41				
	PNS	P	04 26 26.8		1.8	53	
		eL	41.2				
20	TRJ	P	05 33 25.5	D			
	LPB	P	05 33 29		1.2	37	
	CHA	P	05 33 30.2				
	PNS	P	05 33 30.4				3.6
		eS	34 12				
20	USCGS NEW HEBRIDES IS	05 18 17.9, 16.7S, 167.6E, H = 33 Km,					
	LPB	eL	06 13				115.6
20	LPB	P	06 12 04.7	D	1.1	39	
		(S)	45.5				
	PNS	P	06 12 06.1		1.0	10	
		i	39.6				
	CHA	P	06 12 06.2				
20	USCGS WINDWARD IS	09 54 49.1, 11.0N, 62.2W, H = 91 Km, M = 4.5					
	PNS	P	10 00 33.7		1.0	10	
		eL	08.3				
	LPB	P	10 00 34		1.0	28	28.1
		eL	08				
0	TRJ	P	11 26 30.7				
	LPB	P	11 26 40.7		0.9	22	
	PNS	P	11 26 45		0.9	6	
0	USCGS LUZON, PHILIPPINE IS	11 51 05.4, 17.3N, 120.1E, H = 62 Km, M = 4.5					
	LPB	ePKP	12 12 30				171.9
		eL	13 13				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	20	LPB	eP	12 25 25			
		PNS	P	12 25 27.2			
APR	20	PNS	P	12 36 44.3			
			S	37 38			
APR	20	USCGS	13 02 14.6, 39.5N, 140.5E, H = 62 Km, M =				
		HONSHU, JAPAN					
		PNS	PKP	13 21 50.9		1.1	8
			eL	14 11.4			
		LPB	PKP	13 21 52.4		1.4	31
			eL	14 12			
		TRJ	PKP	13 22 06.0			
APR	20	USCGS	13 41 30.5, 16.8N, 99.5W, H = 65 Km, M =				
		NR CST OF GUERRERO, MEXICO					
		LPB	eP	13 49 36			
			eL	14 03			
		PNS	P	13 49 41.1		1.6	40
APR	20	USCGS	14 39 55.6, 36.0N, 140.1E, H = 60 Km,				
		NR E CST OF HONSHU, JAPAN					
		LPB	eL	15 50			
		PNS	eL	15 50.3			
APR	20	PNS	P	16 57 21.1			
			S	45			
APR	20	LPB	eP	17 37 28			
		PNS	P	17 37 30.4		1.0	6
			i	39.5			
APR	20	TRJ	P	17 40 46.7	D		
		LPB	eP	17 41 42			
		PNS	P	17 41 45.5		0.7	9
APR	20	PNS	P	20 23 16		0.6	6
			S	52.6			
APR	20	PNS	P	20 59 48.6		0.6	3
APR	20	PNS	P	22 08 34.3			
			S	57.5			
APR	20	PNS	P	22 43 36.5			
			S	44 00.2			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
20	PNS	P	23 24 32				2.5
		S	25 02.5				
	LPB	eP	23 24 33				
20	PNS	P	23 54 05.7				
21	TRJ	eP	00 46 40.1				
	LPB	eP	00 46 42				
	PNS	P	00 46 45.7				
21	PNS	eP	03 08 14				5.6
		eS	09 18				
21	USCGS	04 15 51.4, 43.3N, 146.3E, H = 48 Km, M = 4.4					
	KURILE IS						
	PNS	ePKP	04 35 19.4				
	LPB	ePKP	04 35 20				140.6
		eL	05 22				
21	CHA	iP	06 47 02.5	C			
	PNS	iP	06 47 51.7	D			1.9
		iS	48 14.6				
	LPB	iP	06 47 52.0		0.9	17	2.0
		i	56.7				
		S	48 16				
21	USCGS	07 10 32.4, 6.2N, 73.0W, H = 158 Km, M = 3.9					
	N COLOMBIA						
	PNS	P	07 15 29				
		pP	16 01.7				
	LPB	eP	07 15 34				24.3
		pP	16 05.2				
		eL	29				
1	USCGS	08 14 25.0, 5.4S, 126.9E, H = 33 Km,					
	BANDA SEA						
	LPB	ePKP	08 34 18		1.2	19	153.2
		pPKP	24.2				
		PKS	37 29				
		SS	57 54				
		G	09 19.6				
		L	28				
	TRJ	PKP	08 34 18.6	C			
		pPKP	24.6				
	PNS	PKP	08 34 18.8		1.7	19	
		pPKP	24.1				
		PKP2	51.0				
1	CHA	P	08 34 23.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	21	LPB	P	08 49 06.4		0.7	4
		PNS	P	08 49 08.8		0.8	5
APR	21	PNS	iP	08 53 58.6	D		
			S	54 22.4			
APR	21	TRJ	P	09 06 32.6	C		
		PNS	P	09 06 34.4			
			e(S)	09 27			
		LPB	eP	09 06 35		0.9	3
			e(S)	09 34			
APR	21	USCGS	08 52 54.8, 5.9N, 125.9E, H = 93 Km, M = 4				
		MINDANAO, PHILIPPINE IS					
		PNS	PKP	09 13 34.9			
APR	21	TRJ	iP	10 19 49.8	D		
			S	20 21.1			
		LPB	eP	10 20 15		0.9	10
		PNS	P	10 20 19.3			
APR	21	USCGS	10 10 08.0, 5.6S, 147.1E, H = 181 Km,				
		NEW GUINEA REG					
		LPB	ePKP	10 28 58			
			eL	11 15			
		PNS	ePKP	10 29 12			
APR	21	USCGS	11 02 52.9, 58.6N, 151.9W, H = 47 Km, M =				
		KODIAK IS REG					
		LPB	eL	11 50			
APR	21	LPB	eP	11 24 37			
		PNS	eP	11 24 39			
APR	21	LPB	P	12 59 56			
		PNS	iP	12 59 56.2	D	0.8	7
			i	13 00 08.7			
APR	21	USCGS	14 38 02.8, 20.6S, 177.5W, H = 454 Km, M				
		FIJI IS REG					
		LPB	eL	15 26			
APR	21	PNS	P	16 33 41.1		0.8	6
		LPB	e(P)	16 32 50			
APR	21	LPB	eP	16 45 16		1.0	10
		PNS	eP	16 45 19			
			e	33.6			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
21	USCGS	16 28 37.8, 5.3N, 96.8E, H = 72 Km, M = 4.8					
	N SUMATRA						
	LPB	PKP	16 48 35				161.1
		eL	17 45				
	PNS	PKP	16 48 35.6		1.0	10	
		iPKP2	49 21.0				
		eL	17 45				
21	PNS	iP	17 40 12.7	D	0.7	6	1.8
		S	35.2				
21	USCGS	17 47 41.8, 15.5S, 180.0W, H = 33 Km, M = 4.5					
	FIJI IS						
	LPB	eL	18 38				105.3
21	USCGS	22 57 43.4, 16.5S, 69.7W, H = 212 Km, M = 4.3					
	PERU-BOLIVIA BOR REG						
	PNS	iP	22 58 17.1				
		S	45				
	CHA	iP	22 58 18.6	D			
	LPB	iP	22 58 19.5	D			1.6
		iS	46				
	TRJ	iP	22 59 23.2	D			
22	TRJ	P	00 27 02.2	D			
22	TRJ	iP	00 34 44.9	D			4.2
		S	35 34.4				
	LPB	P	00 35 16.2		0.8	9	2.5
		S	46.3				
	CHA	P	00 35 17.5	D			
	PNS	P	00 35 17.6		0.7	6	2.7
		i	37.7				
		eS	50				
22	TRJ	P	04 37 35.0	D			2.3
		S	38 03.1				
22	LPB	P	08 18 37.7		1.0	16	3.4
		eS	19 17.5				
	PNS	P	08 18 38.5		0.8	4	3.0
		S	19 12.6				
	CHA	P	08 18 38.6				
	TRJ	eP	08 18 47.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	22	USCGS	08 37 25.5, 5.6S, 126.8E, H = 33 Km, M = 5					
		BANDA SEA						
		CHA	PKP	08 57 18.3				
			pPKP	24.9				
		LPB	PKP	08 57 18.5		2.2	162	
			pPKP	26.2				
			ePP	09 01 12.5				
			eSS	21 25				
			eL	50				
		PNS	PKP	08 57 18.7		2.3	141	
			ipPKP	26.2				
			PKP2	48.5				
			SS	09 21 10				
			eG	41				
			eL	50.2				
		TRJ	PKP	08 57 19.4	C			
			pPKP	27.0				
APR	22	LPB	eP	09 03 40				
		PNS	eP	09 03 47				
		TRJ	P	09 03 46.9	D			
APR	22	PNS	iP	10 14 26.5	C	0.8	12	
			S	15 21.2				
		LPB	eP	10 14 29.5		0.6	7	
			eS	15 32				
		CHA	P	10 14 29.8				
APR	22	LPB	P	11 20 55				
		CHA	eP	11 20 56.4				
		PNS	P	11 20 58.5				
APR	22	PNS	P	11 32 00.5				
			i	10.4				
			S	33 59.4				
		LPB	eP	11 32 04.5				
			e(S)	34 06				
		TRJ	P	11 32 23.3	C			
APR	22	USCGS	11 54 24.9, 5.5S, 126.5E, H = 33 Km, M =					
		BANDA SEA						
		LPB	ePKP	12 14 20				
			iPKP2	40.5				
			eL	13 07				
		PNS	ePKP	12 14 20.6				
			i(pPKP)	27.0				
			iPKP2	41.1				
			eL	13 07.3				

Y	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	USCGS	13 07 38.1, 5.1N, 96.4E, H = 42 Km, M = 5.4					
	N SUMATRA						
	TRJ	P	13 27 33.1				
	CHA	PKP	13 27 38.0	D			
	LPB	PKP	13 27 38.5	C	2.2	311	160.9
		PKP2	28 22				
		PP	32 05				
		eL	14 25				
	PNS	PKP	13 27 39.2	C	1.6	93	
		iPKP2	28 24.0				
		PP	32 01				
		eSS	52 06				
		eG	14 13.9				
		eL	24				
	USCGS	14 43 21.4, 8.3N, 82.8W, H = 40 Km, M = 5.0					
	PANAMA-COSTA RICA BOR REG						
	PNS	iP	14 49 12.5	C	1.0	45	
		iPP	50 19				
		eS	54 10				
		eL	57.5				
	LPB	eP	14 49 13		1.5	55	29.0
		eS	54 09				
		eSS	55 13				
		eL	57.8				
	CHA	eP	14 49 13.0				
	TRJ	iP	14 50 07.2	C			
	LPB	eP	16 08 05				
	PNS	P	16 08 05.1		0.9	5	
	TRJ	P	16 29 38.6				
	PNS	eP	16 36 58				
	PNS	P	16 37 46.9		0.6	3	
	USCGS	16 32 55.6, 6.4N, 82.8W, H = 44 Km, M = 4.4					
	PANAMA-COSTA RICA BOR REG						
	LPB	eP	16 38 40				29.0
		eL	48				
	PNS	P	16 38 46.6		0.9	13	
		eL	47.5				
	PNS	eP	17 27 [illegible]				3.2
		eS	56				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	22	USCGS	17 27 49.0, 8.3N, 127.2E, H = 67 Km, M =					
		PHILIPPINE IS REG						
		LPB	PKP	17 47 49		1.4	40	
		PNS	PKP	17 47 49.4		1.8	54	
			eL	18 45				
APR	22	USCGS	18 16 51.3, 52.0N, 160.3E, H = 33 Km, M =					
		OFF E CST OF KAMCHATKA						
		TRJ	(P)	18 36 38.9				
		LPB	eL	19 17				
APR	22	PNS	P	19 09 48.7	D	0.9	9	
			S	10 13				
APR	22	USCGS	19 29 33.2, 5.8S, 79.8W, H = 33 Km, M =					
		N PERU						
		PNS	P	19 33 08.3		0.9	5	
			i	15.3				
			eS	35 55.6				
		LPB	eP	19 33 09				
			e	18				
APR	22	USCGS	19 41 57.8, 7.0S, 129.5E, H = 82 Km, M =					
		BANDA SEA						
		LPB	PKP	20 01 39.5	C	0.9	68	
			i	45				
			eL	53				
		PNS	iPKP	20 01 39.6	C	1.5	72	
			i	45.1				
			eSS	24 40				
APR	22	PNS	P	21 11 11.9	D	0.7	6	
			S	36.4				
		LPB	eP	21 11 39				
APR	22	USCGS	22 02 02.4, 18.6S, 177.8N, H = 460 Km, M					
		FIJI IS REG						
		LPB	eL	22 49				
APR	23	USCGS	01 11 19.5, 5.4S, 152.4E, H = 37 Km, M =					
		NEW BRITAIN REG						
		LPB	ePKP	01 30 21				
		PNS	ePKP	01 30 37.9				
APR	23	LPB	eP	04 29 28				
		PNS	eP	04 29 50				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
23	CHA	P	04 32 52.1	D			
		i	56.6				
23	LPB	eP	04 42 41.5				
	PNS	P	04 42 44.7		0.6	2	5.0
		eS	43 42				
23	PNS	P	04 56 02				4.8
		eS	57				
	LPB	eP	04 56 08				
23	USCGS	05 29 47.3, 52.3N, 174.2E, H = 42 Km, M = 4.4					
	NEAR IS, ALEUTIAN IS						
	LPB	eL	06 27				120.0
23	TRJ	iP	06 16 58.6	C			
23	USCGS	06 44 26.2, 57.0N, 33.8W, H = 33 Km, M = 4.3					
	N ATLANTIC OCEAN						
	LPB	eP	06 56 15				78.6
		eL	07 22				
	PNS	eL	07 22				
3	USCGS	07 19 28.0, 40.9N, 143.4E, H = 33 Km, M = 4.4					
	OFF E CST OF HONSHU, JAPAN						
	PNS	ePKP	07 39 04				
		eL	08 07.8				
	LPB	eL	08 09				143.7
3	TRJ	eP	09 30 16.1				
	LPB	P	09 30 28.2		0.9	5	
	PNS	eP	09 30 33				
3	USCGS	09 24 00.2, 41.0N, 143.0E, H = 35 Km, M = 4.4					
	HOKKAIDO, JAPAN REG						
	CHA	PKP	09 42 54.9				
	LPB	PKP	09 42 55.2		1.1	15	143.0
		eL	10 32				
	PNS	iPKP	09 42 56.4	C	1.0	10	
		eL	10 31				
	TRJ	PKP	09 43 00.3	D			
1	LPB	P	10 19 12.5	C	1.2	31	3.3
		S	52				
	PNS	P	10 19 13.7		0.9	8	3.4
		eS	54.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	23	USCGS 12 50 24.9, 8.6N, 126.5E, H = 43 Km, M = 5 MINDANAO, PHILIPPINE IS					
		LPB	PKP	13 10 28		1.2	25
			e	12 19.5			
			eL	14 08			
		PNS	PKP	13 10 28.0		1.9	24
			eSS	35 37			
			eL	14 08			
APR	23	PNS	P	13 12 16.5		0.8	7
			eS	13 30			
APR	23	USCGS 13 58 34.6, 18.4N, 103.0W, H = 69 Km, M = NR CST OF MICHOACAN, MEXICO					
		PNS	P	14 07 11.2		1.1	10
			eL	21.8			
		LPB	P	14 07 15.6		1.0	12
			eL	22			
APR	23	USCGS 14 44 09.8, 11.5N, 86.5W, H = 76 Km, M = NR CST OF NICARAGUA					
		PNS	eP	14 50 15			
		LPB	eL	15 00			
APR	23	USCGS 15 01 06.8, 1.6N, 80.2E, H = 33 Km, M = N INDIAN OCEAN					
		LPB	PKP	15 20 46		1.3	53
			eL	16 11			
		PNS	PKP	15 20 46.5		1.1	36
			ipPKP	55			
			eL	16 11			
APR	23	PNS	P	16 14 04.1		0.7	7
			eS	15 00			
APR	23	LPB	eP	16 43 40		0.7	3
		PNS	P	16 43 44.8			
APR	23	LPB	eP	17 31 24			
		PNS	P	17 30 34			
			S	31 10.6			
APR	23	USCGS 17 52 51.0, 13.5N, 146.1E, H = 56 Km, M S OF MARIANA IS					
		PNS	PKP	18 12 29.0		1.4	73
			eL	19 02.5			
		LPB	PKP	18 12 29.5		2.0	281
			eL	19 03			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
23	USCGS 18 20 56.9, 5.5S, 151.9E, H = 49 Km, M = 4.6 NEW BRITAIN REG						
	PNS	eL	19 24.5				
	LPB	eL	19 25				134.5
23	LPB	eP	19 58 07				
	PNS	eP	19 59 14				
23	TRJ	iP	20 17 02.0	C			
23	PNS	eP	20 36 13				3.0
		S	47				
	USCGS 20 18 55.3, 25.0N, 94.7E, H = 25 Km, M = 4.8 BURMA-INDIAN BOR REG						
	LPB	ePKP	20 39 40				162.0
		eL	21 36				
	PNS	ePKP	20 39 42				
	TRJ	P	22 12 14.1	C			
	USCGS 22 25 27.4, 8.1N, 83.3W, H = 46 Km, M = 4.5 COSTA RICA						
	PNS	P	22 31 17.5		1.2	26	
		S	35 55				
		SS	37 13				
		eL	39.2				
	LPB	eP	22 31 20		0.9	14	28.8
		SS	37 18.5				
		eL	40				
	CCH	P	22 31 32.9				
	TRJ	iP	23 54 43.2	D			
	PNS	P	00 04 15.3		0.8	3	
	LPB	P	00 04 16				
	PNS	P	00 20 55.6		0.9	5	
	LPB	eP	00 20 56.6		1.3	15	
	LPB	eP	00 29 23				
	PNS	P	00 29 25.4		1.0	4	
	LPB	P	01 17 03.8		0.7	6	
	PNS	eP	01 17 48				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	24	PNS	P	01 28 37		0.7	4
		LPB	eP	01 28 41.2		0.6	4
APR	24	PNS	P	02 31 21.7		1.1	19
		LPB	P	02 31 22.5		1.0	16
			e	30.5			
APR	24	PNS	P	05 35 56.2			
APR	24	TRJ	P	05 43 41.4			
APR	24	LPB	eP	06 29 10			
			e	25			
		PNS	eP	06 29 12			
APR	24	LPB	eP	07 32 42.5			
		PNS	P	07 32 44.8		0.9	4
APR	24	PNS	iP	09 08 43.9	C		
			S	09 06			
		LPB	iP	09 08 44.5	C	0.8	78
			i	52			
			S	09 12			
APR	24	USCGS	08 51 10.9, 27.4N, 72.7E, H = 31 Km, M =				
		TADZHIK SSR					
		LPB	eL	09 57			
		PNS	eL	09 57			
APR	24	LPB	eP	09 27 05.5		1.0	6
APR	24	LPB	e(P)	09 40 06.5			
			eL	10 12			
APR	24	PNS	iP	10 29 41.3	D	0.9	18
			eS	33 25.6			
			L	34.9			
		LPB	iP	10 29 46.0	D	1.0	36
			eS	33 28.5			
			eL	35			
APR	24	PNS	P	11 54 54			
		LPB	eP	11 54 55			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
24	USCGS	11 44 58.1, 24.0S, 69.6E, H = 33 Km, M = 5.0					
	MID INDIAN RISE						
	LPB	ePKP	12 03 3		1.0	8	122.7
		eL	43.6				
	PNS	ePKP	12 03 53				
24	LPB	P	14 54 42		1.0	30	
		e	55 22.7				
	PNS	P	14 54 43.2		1.0	8	8.3
24	PNS	iP	14 58 09.5	C	1.0	49	26.5
		i	58 20.8				
		S	15 02 40				
	LPB	P	14 58 14.2	D	0.9	74.7	20.0
		S	15 01 54				
		eL	05				
	TRJ	P	14 59 14.0				
24	PNS	P	15 31 38.8		1.2	17	
	LPB	P	15 32 41.6		1.0	20	
24	LPB	eP	16 33 19				
	PNS	P	16 33 24.3		0.6	2	
24	USCGS	16 33 13.6, 56.3S, 26.9W, H = 118 Km, M = 5.1					
	S SANDWICH IS REG						
	TRJ	P	16 41 15.4	D			
	LPB	eP	16 42 02		1.2	31.0	50.0
		eL	57				
	PNS	P	16 42 04.2		1.4	32	
		ipP	42 30.0				
		eL	57.2				
	CCH	P	16 42 27.2	D			
24	LPB	eP	16 47 02.5				
	PNS	iP	16 47 03.4	C	1.0	9	
24	PNS	iP	16 48 58.0	C			0.1
		S	49 02				
	LPB	P	16 49 05.5		0.8	36	
24	PNS	iP	16 57 50.2		0.9	14	
		e(S)	17 01 26				
	LPB	P	16 57 55.5		0.9	29	
24	LPB	eP	17 02 04				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	24	USCGS		16 26 34.1, 51.2N, 179.0E, H = 36 Km, M = 4			
		RAT IS, ALEUTIAN IS					
		LPB	eL	17 22			
		PNS	eL	17 22			
APR	24	PNS	eP	17 32 47.7			
APR	24	PNS	iP	17 36 05.3	D	0.8	8
			S	36 29			
APR	24	CCH	P	18 42 13.9	D		
		PNS	P	18 42 14.0		1.1	7
		LPB	eP	18 42 15			
			e	42 23			
APR	24	USCGS		18 52 21.3, 6.1S, 148.5E, H = 63 Km, M = 5			
		NEW BRITAIN REGION					
		PNS	ePKP	19 11 25.4			
			i	11 41.6			
			PKP2	15 12.8			
		LPB	PKP	19 11 42.5		1.2	15
			ePKS	15 18			
			eL	57			
APR	24	LPB	eP	22 11 05.5		0.8	9
APR	25	PNS	P	00 05 04			
		LPB	eP	00 05 06			
APR	25	LPB	eP	00 43 23.5		0.8	6
APR	25	PNS	P	01 37 44.1		0.7	5
			S	38 07			
		CHA	iP	01 37 46.9	D		
APR	25	TRJ	iP	02 28 03.2	D		
		LPB	iP	02 28 56.0	C	0.8	15
		CHA	P	02 28 58.5			
		PNS	iP	02 29 00	C	0.5	4
			eS	30 14			
APR	25	PNS	P	03 02 35.6			
			S	03 07.7			
		CHA	eP	03 02 41.2			
		CCH	(P)	03 03 17.3	D		

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
25	PNS	P	03 44 00.5				1.9
		iS	44 24.0				
25	PNS	eP	04 01 45				
	LPB	P	04 01 53.5		1.0	8	
25	USCGS		04 25 14.7, 5.6S, 126.7E, H = 33 Km, M = 4.5				
	BANDA SEA						
	PNS	ePKP	04 45 01.8				
		PKP2	45 27.4				
	LPB	ePKP	04 45 03				153.8
		ePKP2	45 28				
		eL	05 38				
	TRJ	ePKP	04 45 08.6				
25	TRJ	P	05 54 04.0				
	LPB	P	05 54 17		0.8	34	4.5
		eS	55 09				
	PNS	iP	05 54 19.7	C	0.9	24.3	5.1
		S	55 09				
	CHA	iP	05 54 19.9	D			
25	TRJ	iP	06 09 39.0	D			
	PNS	P	06 10 38.3		0.6	3	7.2
		eS	12 00				
25	USCGS		06 57 48.9, 0.3S, 121.9E, H = 20 Km, M = 5.3				
	N CELEBES						
	PNS	ePKP	07 17 50				
		epPKP	17 58				
		eL	08 13.7				
	LPB	ePKP	07 17 51				160.0
		pPKP	17 58				
25	CCH	(P)	07 20 32.8	D			
25	CCH	(P)	08 33 49.8	D			
25	PNS	eP	09 52 04				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	25	USCGS	10 36 14.3, 32.9S, 69.0W, H = 39 Km, M = 5.					
		MENDOZA PROVINCE, ARGENTINA						
		TRJ	iP	10 39 04.0	D			
		LPB	P	10 40 02		1.1	940	
			e	40 15				
			iPP	40 26.5				
			iS	43 17				
			eL	45				
		PNS	P	10 40 02.2		1.0	100	
			i	40 06.3				
			S	43 15				
			SS	43 40				
			L	44.9				
			PcP	45 39				
		CHA	iP	10 40 05.8	D			
APR	25	USCGS	10 30 37.8, 43.3N, 87.0E, H = 34 Km, M = 5					
		N SINKIANG PROVINCE, CHINA						
		PNS	iPKP	10 50 15.6	C	1.2	45	
			pPKP	50 27.0				
			eL	11 40				
		LPB	ePKP	10 50 17.5				
			eL	11 40				
APR	25	LPB	eP	11 27 05.5		0.7	6	
APR	25	USCGS	11 54 08.2, 4.2S, 103.6W, H = 33 Km, M = 4					
		N EASTER IS CORDILLERA						
		LPB	eP	12 01 15				
			eL	12 12		1.5	25	
		PNS	P	12 01 15.3				
APR	25	PNS	P	13 24 43.0		0.8	2	
APR	25	PNS	P	14 35 59.6		0.5	4	
			S	36 22				
		CHA	P	14 36 01.9				
APR	25	LPB	P	14 42 14.7		1.0	4	
		PNS	P	14 42 14.7				
APR	25	USCGS	15 24 25.9, 29.1S, 178.2W, H = 210 Km, M					
		KERMADEC IS REG						
		PNS	eL	16 10.5				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
25	LPB	eP	17 45 23.5				
	PNS	eP	17 45 27				3.3
		eS	46 05.7				
25	LPB	eP	17 50 47.5		0.9	17	
	CHA	eP	17 50 50.6	D			
	PNS	P	17 50 52.4		0.8	11	5.0
		eS	51 50				
25	USCGS	19 38 25.6, 23.1S, 69.6W, H = 72 Km, M = 4.0					
	N CHILE						
	PNS	eP	19 40 07.4				
		i	40 13.8				
		eS	41 11.6				
	LPB	eP	19 40 10				6.6
		i	40 18.2				
	CCH	(P)	19 40 22.9				
25	PNS	P	21 10 23.1		0.5	5	3.2
		iS	11 00.4				
	CHA	P	21 10 25.6	D			
26	LPB	P	00 01 17.4				
	PNS	P	00 01 17.6		0.5	2	
26	LPB	P	01 12 13.6		0.7	11	5.4
		S	13 15.5				
	CHA	P	01 12 15.5				
	PNS	iP	01 12 18.0	C	0.8	9	5.6
		S	13 21.6				
26	CCH	(P)	01 18 45.5	C			
26	PNS	iP	01 31 58.0	D			1.9
		iS	32 21.0				
	LPB	iP	01 31 59.9		0.8	45	2.0
		S	32 23.5				
	CHA	iP	01 32 00.4	D			
26	USCGS	02 17 23.4, 47.1N, 155.4E, H = 33 Km, M = 4.5					
	KURILE IS REG						
	LPB	eL	03 21				132.9
26	LPB	eP	03 04 21				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	26	PNS	eP	03 08 37			
APR	26	LPB	eP	03 25 13		1.1	17
APR	26	LPB	eP	03 40 25			
			eS	41 05			
		PNS	P	03 40 26.9		0.6	3
			iS	41 05.8			
		CHA	eP	03 40 27.6			
APR	26	LPB	eP	04 48 07			
			e	22			
		TRJ	eP	04 49 04.5			
			S	52.1			
APR	26	LPB	eP	04 59 10.5			
		CHA	eP	04 59 14.8			
		PNS	P	04 59 15.5			
APR	26	LPB	eP	05 27 46		1.0	6
APR	26	USCGS TONGA IS		06 35 24.7, 15.6S, 173.8W, H = 140 Km, M =			
		PNS	eP	06 48 48			
			eL	07 21.2			
		LPB	eL	07 21			
APR	26	USCGS GULF OF CALIFORNIA		07 18 18.4, 30.9N, 114.3W, H = 33 Km, M =			
		PNS	eP	07 28 52.6			
		LPB	eL	07 49			
APR	26	LPB	eP	09 39 10		1.0	8
		PNS	eP	09 39 10.6			
APR	26	USCGS WYOMING		10 18 02.3, 43.4N, 108.8W, H = 33 Km, M =			
		PNS	eP	10 29 11			
APR	26	USCGS WINDWARD IS		10 47 49.6, 11.2N, 62.3W, H = 121 Km, M =			
		CHA	P	10 53 32.7 D			
		PNS	iP	10 53 32.7 D			
			i	54 02.5			
			eSS	59 26			
			eL	11 00.6			
		LPB	iP	10 53 34.6		1.2	102

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		i	54 04.2				
		S	59 15.5				
		eL	11 00				
26	USCGS S INDIAN OCEAN		13 11 42.3, 1.3S, 89.5E, H = 33 Km, M = 5.1				
	TRJ	P,	13 31 21.8				
	LPB	PKP	13 31 37		1.3	42	151.6
		pPKP	45.5				
		PKS	35 14				
		eL	14 23				
	PNS	ePKP	13 31 37		1.1	12	
		pPKP	45.6				
		PKP2	56.2				
	CHA	eP	13 31 37.4				
26	PNS	iP	17 01 11.3		0.4	2	4.3
		iS	02 01.0				
26	LPB	ePKP	18 01 24				
		eL	49				
	PNS	eP	18 01 24.5				6.2
		i	43.9				
		eS	02 36				
		L	49				
	TRJ	eP	18 01 28.3				
26	TRJ	P	18 49 00.4 D				2.8
		S	34.1				
	PNS	P	18 49 26.1				
26	USCGS COLOMBIA		18 51 03.4, 5.1N, 75.9W, H = 114 Km, M = 3.9				
	LPB	eP	18 56 02				22.5
		eL	19 02				
	PNS	eP	18 56 02.4				
		eL	19 02.1				
	PNS	eP	19 03 04				
	LPB	eP	19 03 14				
	LPB	P	21 10 17.2		0.6	21	2.4
		S	46				
	PNS	iP	21 10 18.4				2.4
		iS	47				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
APR	26	USCGS FIJI IS REG	21 46 41.2, 16.5S, 175.6E, H = 116 Km, M =				
		PNS	eSS	22 20 50			
			eL	35.5			
		LPB	eL	22 36			
APR	26	PNS	iP	22 17 44.2 D		0.5	9
			iS	18 11.6			
APR	27	TRJ	P	00 06 38.7 D			
APR	27	LPB	P	00 47 15.6		2.5	198
			e	29.3			
			ePP	48 14.5			
			eS	52 23			
			L	56.1			
		PNS	P	00 47 17.4		1.9	76
			ipP	27.8			
			S	52 22			
			SS	54 15			
			L	56.1			
			ScS	57			
APR	27	PNS	iP	01 58 50.2 C		0.4	2
			iS	59 20.0			
		LPB	P	01 58 51		0.9	7
			S	02 00 57.2			
APR	27	LPB	eP	03 08 29.5			
			i	40			
		PNS	P	03 08 34.2		1.0	5
APR	27	LPB	iP	03 23 04.2 D		0.7	18
			S	29.2			
		PNS	iP	03 23 04.4 D		0.7	8
APR	27	TRJ	P	05 30 44.0 C			
APR	27	LPB	eP	06 11 15.4		1.3	11
			S	13 23			
			eL	14			
		PNS	P	06 11 16.4		0.9	4
			iPPP	38			
			iS	13 30.9			
			eL	14.2			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
27	LPB	P	07 04 41.8		0.9	7	
		e	05 13				
	PNS	P	07 04 44.9				2.6
		S	05 16				
27	TRJ	P	07 49 30.5 D				
27	TRJ	P	08 16 29.1 D				
27	USCGS NR N CST OF W NEW GUINEA	08 09 47.9, 1.8S, 138.7E, H = 33 Km, M= 5.3					
	TRJ	PKP	08 27 44.6				
	PNS	PKP	08 29 31.5		1.0	39	
		ipPKP	44.4				
		SS	52 15				
		eL	09 20				
	LPB	PKP	08 29 31.6		1.0	60	147.8
		iPKP2	34.5				
		PKS	33 05.7				
		eSS	51 34				
		eL	09 21				
27	LPB	eP	08 39 13				
27	USCGS NR N CST OF W NEW GUINEA	08 36 48.4, 2.0S, 138.4E, H = 33 Km, M = 5.1					
	LPB	ePKP	08 56 30.5		1.1	20	148.0
		iPKP2	33.5				
		eL	09 48				
	PNS	PKP	08 56 32.7 C		0.9	19	
		eL	09 46.9				
27	PNS	P	09 04 31.4		0.9	4	
	LPB	eP	09 04 32				
27	LPB	eP	09 08 39				
	PNS	eP	09 08 42.4				7.0
		eS	10 01.4				
27	USCGS WEST NEW GUINEA	10 57 35.2, 3.8S, 139.3E, H = 17 Km,					
	PNS	iPKP	11 17 05.9 C		0.9	10	
		eL	26.2				
	LPB	ePKP	11 17 06		1.0	6	145.8
		eL	26				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	27	USCGS S OF FIJI IS	12 24 21.3, 23.6S, 179.9E, H = 545 Km, M =					
		LPB	eL	13 12				
APR	27	PNS	P	16 48 10.4		0.6	2	
APR	27	USCGS S OF MARIANA IS	16 42 43.6, 12.8N, 143.3E, H = 120 Km, M =					
		LPB	ePKP	17 02 07.5				
			eL	53				
		PNS	ePKP	17 02 18				
			e	22.4				
APR	27	PNS	P	17 06 38.0		0.7	3	
APR	27	USCGS COLORADO	17 24 41.7, 39.9N, 104.7W, H = 5 Km, M = 4					
		PNS	eP	17 35 23				
			eL	56.2				
		LPB	eL	17 56				
APR	27	PNS	P	17 47 17.5		0.7	3	
			i	22.9				
			S	48 14.8				
		LPB	eP	17 47 32.5		1.0	22	
APR	27	LPB	eP	18 10 21				
		PNS	P	18 10 22.4				
			i	35.7				
			S	11 07.4				
APR	27	TRJ	P	21 30 12.6 C				
APR	27	LPB	eP	22 10 36.5				
		PNS	P	22 10 37		0.7	4	
		CHA	P	22 10 36.8				
APR	27	USCGS S SINKIANG PROV, CHINA	23 15 19.7, 41.7N, 82.3E, H = 33 Km, M =					
		PNS	PKP	23 34 55		0.9	5	
		LPB	ePKP	23 34 58		0.9	12	
			eL	24 19				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
28	LPB	eP	01 02 41.5		1.2	15	
	PNS	P	01 02 44				
28	PNS	iP	02 01 10.7 C		0.8	22	1.8
		iS	32.6				
	CHA	iP	02 01 10.9 C				
	LPB	iP	02 01 11.2 C		1.0	58	1.9
		S	34				
28	LPB	eP	04 39 32				
	PNS	eP	04 39 33				
28	TRJ	P	04 55 54.7 D				
	PNS	P	04 56 54		0.5	5	
	CHA	eP	04 56 50.3				
	LPB	P	04 56 50.7		0.7	8	
28	USCGS SANTA CRUZ IS	07 18 57.1, 11.3S, 165.8E, H = 37 Km, M = 4.7					
	LPB	eL	08 16				119.9
	PNS	eL	08 16				
28	USCGS SANTA CRUZ IS	07 44 37.3, 11.5S, 165.8E, H = 30 Km, M = 4.7					
	LPB	ePKP	08 03 28.5				120.0
		eL	42				
	PNS	PKP	08 03 29		1.0	7	
		eL	41.9				
28	PNS	P	09 20 19				1.8
		S	41				
28	PNS	P	10 23 16		0.8	3	
	LPB	eP	10 23 19				
28	LPB	eP	10 49 47				
	PNS	P	10 49 52.5				
28	PNS	P	11 43 01.7		0.9	5	
28	PNS	iP	11 44 04.4 C		0.9	8	
		i	10.4				
28	USCGS HONSHU, JAPAN	14 24 56.2, 36.4N, 138.2E, H = 33 Km, M = 4.1					
	PNS	eL	15 35.6				149.4

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	28	TRJ	P	14 50 08.4 D				
APR	28	PNS	P	15 00 50.9				
			S	01 16				
APR	28	USCGS N SUMATRA	16 14 11.0, 5.3N, 96.7E, H = 73 Km, M = 5.					
		PNS	PKP	16 34 08.2		1.5	23	
			iPKP2	53.8				
			eL	17 30.6				
		LPB	ePKP	16 34 08.5		1.0	12	
			eL	17 30				
APR	28	LPB	eP	16 42 07		0.6	4	
		PNS	P	16 42 57.1				
			i	43 13.0				
APR	28	PNS	P	17 08 12.6				
APR	28	USCGS NR CST OF ECUADOR	17 45 15.8, 2.7S, 79.5W, H = 66 Km, M = 4.					
		PNS	P	17 49 15.6		1.0	6	
		LPB	eP	17 49 17				
APR	28	USCGS S IRAN	19 38 28.9, 28.5N, 57.5E, H = 24 Km, M =					
		PNS	ePKP	19 57 56				
			eL	20 39.9				
		LPB	eL	20 39				
APR	28	USCGS GULF OF CALIFORNIA	22 52 54.4, 30.5N, 114.1W, H = 33 Km, M =					
		PNS	P	23 30 27.8				
			eL	23.3				
		LPB	eL	23 27				
APR	29	USCGS QUEEN CHARLOTTE IS REG	00 04 41.8, 51.2N, 130.4W, H = 6 Km, M =					
		PNS	P	00 17 24.1		1.0	9	
			i	30.0				
			i	39.6				
			S	28 03				
			eSS	33 53				
			L	45.9				
		LPB	P	00 17 26.6		1.0	32	
			pP	40.5				
			eSKS	28 12				
			eL	46				
		TRJ	eP	00 17 48.6				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
29	PNS	P	01 18 08.5		0.4	2	1.8
		iS	30.4				
	CHA	P	01 18 10.7 D				
29	PNS	eP	02 24 35				
		i	40.2				
		e(S)	28 55				
		eL	30.9				
	LPB	eP	02 24 39				
		e(S)	28 52				
		eL	30				
	CHA	iP	02 24 39.0 D				
		i	43.4				
	TRJ	P	02 25 51				
29	PNS	P	02 53 26.4		0.5	4	1.8
		S	48.9				
	CHA	iP	02 53 28.9 D				
29	USCGS ANDREANOF IS, ALEUTIAN IS	08 55 20.8, 51.4N, 178.3W, H = 50 Km, M = 4.5					
	LPB	ePKP	04 14 05				115.1
		eL	51				
	PNS	ePKP	04 14 05.8				
		eSS	30 58				
		eG	42.7				
		eL	50.2				
	TRJ	ePKP	04 14 09.0				
29	LPB	eP	04 24 36				
	PNS	P	04 24 36.7		1.3	10	
		i	42.3				
29	PNS	P	05 49 07.7		0.5	3	3.0
		S	41.6				
29	USCGS MARIANA IS REG	06 24 59.0, 19.3N, 146.2E, H = 114 Km, M = 4.8					
	CHA	PKP	06 44 29.2				
	PNS	PKP	06 44 30.9		1.6	45	
		iPKP2	36.4				
	LPB	PKP	06 44 31.5		1.7	82	147.2
		PKP2	34.0				
	TRJ	PKP	06 44 36.4				
		PKP2	41.3				
29	TRJ	P	07 25 43.5				
	PNS	P	07 25 40.6				7.9
		eS	27 10				
	CHA	eP	07 25 50.4				
	LPB	eP	07 25 54.5				6.4
		(S)	27 07.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	29	USCGS	07 57 52.4, 31.4S, 68.7W, H = 115 Km, M = 4					
		SAN JUAN PROV, ARGENTINA						
		LPB	eP	08 01 19		1.0	10	
			eL	05				
		PNS	P	08 01 19.8		1.0	15	
APR	29	LPB	eP	08 12 34				
APR	29	TRJ	eP	09 54 33.6				
		CHA	eP	09 54 49.4	D			
		LPB	eP	09 54 55.5				
		PNS	P	09 54 57.2				
APR	29	USCGS	09 58 52.3, 15.6N, 46.1W, H = 33 Km, M = 4					
		N ATLANTIC RIDGE						
		PNS	eP	10 06 14.5				
		LPB	eP	10 06 15.5				
			ePP	07 38.5				
			eL	18				
APR	29	PNS	iP	10 29 02.1	C	0.6	6	
			iS	24.0				
APR	29	LPB	P	10 42 30.2		1.1	12	
		PNS	P	10 42 30.3		1.0	14	
APR	29	LPB	P	11 03 59.5		0.8	16	
			S	05 01.5				
		PNS	iP	11 03 59.6	C	0.6	9	
			iS	04 39.5				
		CHA	iP	11 04 00.2	C			
		TRJ	P	11 04 26.9				
APR	29	LPB	eP	11 33 29				
		PNS	eP	11 33 38				
APR	29	USCGS	12 25 32.7, 51.5N, 178.2W, H = 51 Km, M =					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	eL	13 20				
		PNS	L	13 20.3				
APR	29	USCGS	12 31 09.4, 15.6S, 173.8W, H = 59 Km, M =					
		TONGA IS						
		LPB	eL	18 18				
APR	29	TRJ	iP	14 49 50.1	D			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
29	PNS	iP	16 23 08.7		0.9	18	2.6
		iS	41				
	CHA	P	16 23 12.3	D			
	CCH	P	16 23 25.3	D			
29	PNS	P	16 48 59.4		0.6	4	3.0
		eS	49 35				
29	USCGS	16 55 02.3, 24.9S, 70.6W, H = 56 Km, M = 4.9					
	NR CST OF N CHILE						
	PNS	iP	16 57 11.0	D	0.7	10	
		eS	58 50				
	LPB	P	16 57 10.3		0.7	14	9.0
29	LPB	eP	18 59 03				
	CCH	P	19 00 03.5	D			
29	USCGS	22 02 09.5, 35.8N, 140.8E, H = 49 Km, M = 4.9					
	NR E CST OF HONSHU, JAPAN						
	PNS	PKP	22 21 51.8	D	1.0	14	
		L	23 12.2				
	CHA	PKP	22 21 52.1				
	LPB	P	22 21 53.5		1.0	40	147.8
		pPKP	22 07				
		eL	12				
29	LPB	P	22 27 37		0.7	17	
	CHA	P	22 27 37.9				
	PNS	iP	22 27 40.7	C	0.7	13	
29	USCGS	22 19 11.9, 3.1N, 128.0E, H = 105 Km, M = 5.1					
	N OF HALMAHERA						
	PNS	L	23 34.4				
	LPB	eL	23 35				159.2
29	USCGS	22 39 39.9, 35.8N, 141.0E, H = 28 Km, M = 4.0					
	NR E CST OF HONSHU, JAPAN						
	LPB	ePKP	22 59 23				147.7
		eL	23 49				
	PNS	ePKP	22 59 23.4				
		eL	49.5				
30	TRJ	eP	00 44 55.9				
	PNS	eP	00 44 57.1		0.6	2	8.4
		S	46 32				
	LPB	eP	00 45 08				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
APR	30	CHA	P	01 29 18.1	D			
		PNS	iP	01 29 18.5	D	1.0	10	
			i	31.1				
		LPB	iP	01 29 20.0		1.0	22	
		TRJ	P	01 29 30.0				
APR	30	USCGS	02 16 55.0, 16.3N, 94.6W, H = 33 Km, M = 3					
		OAXACA, MEXICO						
		LPB	eL	02 37				
APR	30	USCGS	02 44 28.6, 50.7N, 129.4W, H = 33 Km, M =					
		VANCOUVER IS REG						
		LPB	eL	02 25				
		PNS	eL	02 25.5				
APR	30	LPB	P	05 35 16.5		0.9	3	
		PNS	eP	05 35 20.8				
APR	30	TRJ	iP	07 25 26.4	D			
		LPB	iP	07 25 53.0	D	0.9	178	
			iPP	26 04.7				
			S	27 15.5				
			ScS	39 15				
		PNS	iP	07 25 54.3	C			
			iPP	26 04.9				
			S	27 17				
			L	27.9				
		CHA	P	07 25 55.2	C			
APR	30	USCGS	07 07 00.5, 6.4S, 150.5E, H = 32 Km,					
		NEW BRITAIN REG						
		PNS	eG	08 02.5				
			eL	11				
APR	30	LPB	eP	07 32 12.5				
		CCH	P	07 33 21.7	D			
APR	30	PNS	P	07 50 57.7		1.2	12	
		LPB	P	07 50 58.2				
APR	30	USCGS	08 39 07.8, 8.5S, 74.9W, H = 137 Km, M =					
		PERU-BRAZIL BOR REG						
		PNS	iP	08 41 29.4	D			
			i	41				
			S	40 25				
		CHA	P	08 41 32.9				
		LPB	P	08 41 34	D	0.9	3	
			eS	43 22				
			eL	44.4				
		TRJ	P	08 42 45.5				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
30	PNS	iP	10 17 10.0	D			1.9
		iS	33.0				
30	USCGS	11 11 45.1, 59.9N, 153.9W, H = 146 Km, M = 4.3					
	S ALASKA						
	LPB	eL	12 00				102.0
30	LPB	eP	12 29 21.5				
	PNS	P	12 29 24				
30	USCGS	13 21 03.3, 10.2N, 103.9W, H = 33 Km, M = 4.4					
	OFF CST OF MEXICO						
	PNS	P	13 29 10.0		1.0	17	
		eS	35 38				
		L	42.9				
	LPB	eP	13 29 11.5				44.0
		eL	43.5				
	TRJ	eP	13 29 54.8				
30	USCGS	16 28 15.1, 14.3N, 91.3W, H = 16 Km, M = 4.8					
	GUATEMALA						
	PNS	eP	16 35 25.5				
		eL	47.2				
	LPB	eL	16 47				37.3
30	USCGS	16 59 00.6, 1.8S, 138.7E, H = 33 Km, M = 5.5					
	NR N CST OF W NEW GUINEA						
	TRJ	iPKP	17 18 41.8	C			
	CHA	PKP	17 18 44.2	C			
	PNS	iPKP	17 18 44.8	C	1.2	33	
		iPKP2	47.2				
		SS	41 28				
		eL	18 09.5				
	LPB	PKP	17 18 45.2		1.4	81	147.6
		iPKP2	48				
		eSS	41 36				
		eL	18 09				
30	USCGS	17 31 48.7, 8.9N, 126.6E, H = 33 Km, M = 4.9					
	MINDANAO, PHILIPPINE IS						
	LPB	eL	18 50				164.2
	PNS	ePKP	17 51 55				
		L	18 51				
30	PNS	iP	19 49 55.0	D	0.6	10	1.8
		iS	50 17.5				
	CHA	iP	19 49 56.1	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	D
APR	30	USCGS SOLOMON IS	23 06 16.1, 6.2S, 154.2E, H = 72 Km, M = 4.					
		PNS	ePKP	23 25 30.5				1
		LPB	ePKP	23 25 53				
			eL	24 05				
APR	30	PNS	eP	23 55 44.8				
		LPB	eP	23 55 54				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
1	TRJ	PKP	04 20 13.2	D			
	PNS	ePKP	04 20 14.2		1.0	25	
		eSS	42 56				
		eL	05 10.8				
	LPB	PKP	04 20 14.5		1.3	42	147.6
		eL	05 10				
	CHA	PKP	04 20 17.2				
1	PNS	P	05 03 43.3				3.5
		S	04 24.6				
1	LPB	eP	06 12 01		1.1	7	
1	USCGS GREECE	07 09 00.5, 39.7N, 21.3E, H = 15 Km, M = 5.6					
	CCH	P	07 21 26.4				
	LPB	eP	07 22 46.7				100.1
		ePP	27 04				
		eSKS	33 28				
		ePS	35 48				
		SS	41 22				
		L	56.6				
	PNS	P	07 22 47.7		0.9	6	
		PP	27 05				
		SKS	33 30				
		ePS	35 50				
		SS	41 22				
		L	56.6				
	TRJ	eP	07 22 50.3				
1	PNS	P	07 39 07.6		0.8	6	
	LPB	eP	07 39 09				
1	CHA	P	08 06 41.7				
	PNS	P	08 07 19.2				
	LPB	eP	08 07 20				
1	USCGS GREECE	08 15 48.0, 39.9N, 21.5E, H = 47 Km, M = 4.4					
	LPB	ePKP	08 29 31				100.3
	PNS	eSKS	08 40 13				
		eS	51 40				
		SS	58 58				
		eL	09 03.5				
1	USCGS GREECE	08 28 22.3, 39.5N, 21.3E, H = 33 Km, M = 4.5					
	LPB	eP	08 42 02				100.2

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	1	USCGS GREECE	09 47 42.9, 39.8N, 21.5E, H = 27 Km, M = 4				
		LPB	eP	10 01 12			
			eL	35			
		PNS	P	10 01 23.1		0.9	2
			eL	35.4			
MAY	1	USCGS GREECE	09 50 06.6, 37.6N, 21.4E, H = 19 Km, M = 4				
		LPB	eP	10 03 25.7			
			eL	37			
		PNS	eL	10 37.7			
MAY	1	TRJ	iP	10 17 39.4	D		
			iS	18 08.6			
		LPB	P	10 18 17.5		0.7	7
		PNS	P	10 18 21.6		0.6	4
MAY	1	LPB	eP	11 06 48			
			eS	07 50			
		PNS	P	11 06 49.8		0.8	4
			i(PP)	55.0			
			S	07 48			
		CHA	P	11 06 53.9			
MAY	1	TRJ	P	13 13 49.2	C		
			S	14 30.9			
MAY	1	PNS	P	13 14 13.8		0.7	3
		LPB	eP	13 14 15			
MAY	1	TRJ	P	13 16 52.2	C		
			S	17 30.9			
		LPB	P	13 17 48		1.1	23
			S	19 11.7			
		CHA	iP	13 17 49.9	C		
		PNS	iP	13 17 51.7	C	0.8	9
			S	19 17.1			
MAY	1	USCGS NEW BRITAIN REG	17 12 05.2, 5.3S, 149.0E, H = 33 Km,				
		LPB	ePKP	17 31 18.5			
			eL	18 17			
		PNS	eL	18 17.4			
MAY	1	PNS	P	21 54 31.5		0.5	5
			eS	58			
		LPB	P	21 54 32.6			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
1	LPB	P	22 04 31.5		0.8	6	
1	TRJ	P	23 12 58.4				
	LPB	eP	23 13 21				
	PNS	P	23 13 25				
2	LPB	P	00 11 06.5		0.9	8	
	TRJ	P	00 10 15.9	C			3.4
		S	55.9				
	PNS	P	00 10 48.5		0.6	3	2.5
		eS	11 18.3				
2	PNS	iP	01 23 42.0	C	0.6	4	2.2
		S	24 08.3				
	LPB	P	01 23 42.6				2.3
		S	24 09.5				
2	PNS	P	01 51 20.0		0.5	5	2.1
		S	44.8				
	LPB	P	01 51 20.5				
2	TRJ	P	02 20 05.4	D			
	LPB	iP	02 19 50	C	0.9	25	2.8
		S	20 23.2				
	PNS	iP	02 19 53.3	C	0.7	12	3.0
		S	20 28.5				
2	PNS	iP	02 55 24.3	C	0.7	4	
	LPB	P	02 55 24.7		0.8	7	
2	LPB	eP	06 50 55.5				
	PNS	P	06 50 57.6		0.6	2	
	PNS	P	07 18 21.3		0.4	3	1.9
		iS	44.8				
	LPB	eP	07 18 47				
	PNS	P	09 10 01.5				2.0
		S	25.8				
	LPB	eP	09 10 27				
	USCGS HINDU KUSH REG	09 01 29.5, 36.5N, 71.0E, H = 226 Km, M = 4.9					
	LPB	ePKP	09 20 19				138.8
		eL	10 06				
	PNS	ePKP	09 20 24				
		i(pPKP)	21 01.6				
		eL	10 06.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	2	TRJ	iP	09 20 43.4	D		
			i	56.0			
			i	21 11.0			
		LPB	P	09 21 21.2		0.9	15
			eS	22 18.5			
		PNS	P	09 21 25		0.7	6
			eS	22 26			
MAY	2	TRJ	eP	09 32 11.0			
		PNS	P	09 31 13.6		0.9	6
		LPB	P	09 31 18.2		0.9	10
MAY	2	LPB	eP	10 11 20		0.8	4
		TRJ	iP	10 10 41.5	C		
		PNS	P	10 11 24.5		0.8	4
MAY	2	PNS	eP	14 32 53.7			
		LPB	eP	14 32 54			
MAY	2	PNS	eP	15 44 06.5			
			S	45 10.7			
MAY	2	PNS	P	16 42 10		0.7	5
			i	15.1			
		LPB	eP	16 42 11			
MAY	2	USCGS	17 10 04.7, 5.6S, 147.2E, H = 148 Km, M				
		E NEW GUINEA REG					
		TRJ	ePKP	17 29 06.1			
		PNS	PKP	17 29 06.8		0.7	4
			PP	32 01.9			
			iPKS	37.4			
			eG	18 06.7			
			eL	18 15.6			
		LPB	PKP	17 29 08.3			
			PP	32 07			
			PKS	37.7			
			eL	18 15			
MAY	2	TRJ	iP	17 51 11.3	D		
MAY	2	USCGS	17 59 09.0, 2.4N, 126.7E, H = 32 Km, M				
		MOLUCCA PASSAGE					
		PNS	ePKP	18 19 05.6			
			eL	19 15.2			
		LPB	ePKP	18 19 08			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
2	USCGS	19 12 51.5, 52.9N, 174.1W, H = 161 Km, M = 4.4					
	ANDREANOF IS, ALEUTIAN IS						
	PNS	eL	20 05.9				
	LPB	eL	20 06				112.5
2	LPB	eP	20 18 24.5		0.8	7	
2	PNS	iP	20 55 09.8	C	1.0	19	3.2
		iS	48				
	LPB	eP	20 55 15		1.0	22	3.6
		S	57				
	CHA	iP	20 55 15.7	C			
2	PNS	P	21 17 42.9		0.6	3	7.2
		eS	19 04				
2	LPB	P	21 35 12.5				2.4
		S	41.5				
	CHA	iP	21 35 14.4	C			
	PNS	iP	21 35 16.0				2.5
		iS	45.8				
2	LPB	e(P)	22 16 20				
		eL	44				
	PNS	P	22 16 23.6		0.6	5	
		eL	44				
2	PNS	iP	23 03 39.0	C	0.8	6	1.9
		S	04 02.5				
	CHA	iP	23 03 39.4	C			
2	PNS	eP	23 56 00				
		eL	00 49				
	LPB	eP	23 56 02		1.3	19	
		eL	24 43				
	USCGS	06 31 45.8, 19.4N, 108.2W, H = 33 Km, M = 4.3					
	REVILLA GIGEDO IS REGION						
	PNS	eP	00 41 00.7		1.4	20	
		eL	57.4				
	LPB	P	00 41 04.0		1.4	31	52.9
		eL	57				
	LPB	P	01 59 05.5		0.7	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	3	LPB	P	02 37 39.5				
			S	38 17				
		PNS	P	02 37 40.2				
			S	38 07.4				
		CHA	P	02 37 42.0				
MAY	3	TRJ	P	03 10 16.2	D			
		LPB	P	03 10 34				
		PNS	eP	03 10 46				
MAY	3	PNS	P	05 12 45.7				
			eS	13 51.6				
		CHA	eP	05 12 49.6				
		LPB	eP	05 12 50				
MAY	3	USCGS BLACK SEA	05 19 42.3, 42.4N, 36.4E, H = 32 Km, M = 4					
		PNS	eL	06 12.7				
MAY	3	TRJ	iP	07 14 31	D			
			iS	15 05.7				
		LPB	iP	07 14 51	C	0.9	37	
			iS	15 45.8				
		CHA	iP	07 14 57.1	D			
		PNS	P	07 15 00.4	C			
			S	53.6				
MAY	3	PNS	P	07 33 58		0.8	3	
		LPB	eP	07 33 59				
MAY	3	LPB	P	07 47 36.5		0.8	133	
MAY	3	TRJ	P	09 55 45.7				
		LPB	eP	56 03				
		PNS	P	09 56 04.3				
			eS	57 04				
MAY	3	USCGS SOLOMON IS	10 25 49.2, 8.7S, 159.4E, H = 103 Km, M					
		LPB	ePKP	10 44 41.5		0.8	4	
		PNS	PKP	10 44 43.5				
			eL	10 25				
MAY	3	LPB	eP	14 22 35				
MAY	3	PNS	P	16 33 41.7		0.8	4	

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
3	USCGS GREECE	18 41 47.0, 39.7N, 21.5E, H = 35 Km, M = 4.8					
	PNS	eL	19 29.5				
	LPB	eL	19 30				100.2
3	PNS	P	19 00 38.0		0.5	3	
	LPB	eP	19 00 42				
3	CCH	P	19 49 55.8				
3	PNS	P	21 27 31.5		0.8	4	
3	LPB	eP	23 28 26		1.0	10	
4	PNS	P	01 36 04.4				
		eS	48				3.8
4	TRJ	P	03 22 20.6				
		S	23 08.2				
	LPB	eP	03 22 23.5		1.0	10	
	PNS	P	03 22 31.7		0.9	5	
4	LPB	P	04 58 13.5		1.3	15	
4	USCGS GREECE	04 46 19.8, 39.8N, 21.5E, H = 47 Km, M = 4.4					
	LPB	eP	04 59 58.5				100.2
	PNS	eP	05 00 03				
4	LPB	P	05 34 09.8		0.5	3	
	PNS	P	05 34 10.5		0.5	3	
4	USCGS N COLOMBIA	07 02 57.1, 6.8N, 73.2W, H = 137 Km, M = 4.5					
	PNS	iP	07 07 55.3		0.8	15	
		eS	11 56				
	LPB	P	07 07 58		0.8	13	23.4
		eS	12 01.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	D
MAY	4	USCGS	08 17 32.1, 55.7S, 27.9W, H = 33 Km, M = 5.					
		S SANDWICH IS REG						
		LPB	iP	08 26 23.4	D	1.0	410	
			pP	30				
			i	43.8				
			PP	28 18				
			S	33 30				
			eSS	36 34				
			G	37.2				
			eL	41				
		TRJ	iP	08 25 37.9	D			
		PNS	iP	08 26 26.6	D			
			ipP	35.7				
			PP	28 18.6				
			i	31 37.0				
			S	33 35				
			ScS	36 13				
			eG	36.6				
			L	41.2				
MAY	4	LPB	iP	09 40 13.0	D	1.1	117	
			i	16.5				
			ePP	42 14.5				
		PNS	P	09 40 16				
MAY	4	PNS	eP	09 58 29				
MAY	4	USCGS	10 03 57.7, 6.9N, 80.6W, H = 33 Km, M = 4.					
		S OF PANAMA						
		PNS	eP	10 09 31.6				
			i(pP)	38.0				
			eL	10 16.8				
		LPB	eP	10 09 33				
			eL	16				
MAY	4	USCGS	10 18 58.0, 19.7S, 176.2W, H = 33 Km, M =					
		FIJI IS REG						
		LPB	eP	10 32 16				
			eL	11 06.2				
		PNS	L	11 06.4				
MAY	4	TRJ	eP	10 33 53.9				
		LPB	P	10 34 26.7		1.0	10	
			i	50				
		PNS	P	10 34 28.2		0.8	4	
			iPP	41.0				
			iPPP	52.2				
			eS	36 33.7				
MAY	4	LPB	P	12 36 57		0.5	2	
		PNS	P	12 37 01				
MAY	4	USCGS	12 29 44.1, 53.1N, 168.2E, H = 33 Km, M =					
		KOMANDORSKY IS REG						

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	LPB	ePKP	12 48 42				122.
		eL	13 28				
	PNS	L	13 28.1				
4	PNS	iP	13 26 16.2	D			2.6
		iS	45.7				
	LPB	P	13 26 20.4		1.0	14	3.0
		S	54.5				
4	USCGS	13 31 08.5, 39.8N, 21.5E, H = 40 Km, M = 4.7					
	GREECE						
	PNS	eL	14 18.7				100.2
4	USCGS	13 32 42.3, 6.0S, 146.7E, H = 39 Km, M = 5.1					
	E NEW GUINEA REG						
	LPB	ePKP	13 51 58				138.6
		ipPKP	52 10				
		eL	14 38				
	PNS	ePKP	13 51 58.6		1.0	5	
		ipPKP	52 10.0				
		eL	14 38.2				
4	TRJ	iP	14 30 38.3	C			
4	LPB	P	14 43 45.5		1.1	62	
	PNS	P	14 43 48				
4	TRJ	P	15 04 05.0				
4	USCGS	14 58 25.5, 5.3N, 125.5E, H = 83 Km,					
	MINDANAO, PHILIPPINE IS						
	LPB	ePKP	15 18 15				162.8
		eL	16 15				
	PNS	eL	16 15.1				
4	PNS	P	15 43 15.8				
	LPB	eP	15 43 17				
4	USCGS	16 22 00.9, 6.0S, 146.7E, H = 49 Km, M = 5.2					
	E NEW GUINEA REG						
	PNS	PKP	16 41 15.6		1.0	13	
		ipPKP	27				
		PKS	44 57.8				
		eL	17 27.5				
	TRJ	PKP	16 41 16.5	D			
		pPKP	26.9				
	LPB	ePKP	16 41 17				138.6
		ipPKP	27				
		eL	17 27				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	4	USCGS E NEW GUINEA REG	16 48 58.0, 6.1S, 146.7E, H = 63 Km, M = 4.					
		LPB	ePKP	17 08 10				
			eL	54				
		PNS	PKP	17 08 25.0		0.9	6	
			eL	54.7				
MAY	4	USCGS GULF OF CALIFORNIA	22 34 49.7, 30.6N, 114.3N, H = 28 Km, M = 4					
		LPB	eP	22 45 24				
			eL	23 06				
		PNS	eP	22 45 26.5		1.0	4	
			eL	23 06				
MAY	4	USCGS HONSHU, JAPAN	23 25 33.2, 36.3N, 138.3E, H = 8 Km, M = 4					
		LPB	PKP	23 45 26.6		1.1	20	
		PNS	pPKP	23 45 26.7		1.2	9	
			eL	00 36.1				
MAY	5	LPB	eP	00 15 17				
			S	16 18.2				
		PNS	P	00 15 10		0.7	4	
			eS	16 27				
MAY	5	LPB	eP	00 21 03		1.0	12	
		PNS	P	00 21 04.1		0.7	6	
MAY	5	USCGS S ZECHWAN PROV, CHINA	00 08 07.2, 29.2N, 103.5E, H = 33 Km, M =					
		LPB	ePKP	00 28 12.7				
			eL	01 26				
		PNS	ePKP	00 28 13		1.0	7	
			eL	01 26.2				
MAY	5	USCGS CHILE-ARGENTINA BOR REG	00 47 26.8, 28.0S, 69.9W, H = 58 Km, M =					
		PNS	P	00 50 15.7				
		LPB	P	00 50 19.5				
MAY	5	LPB	P	00 52 03.6				
			(S)	37.7				
		PNS	iP	00 52 05.6	D	0.6	10	
			S	12				
MAY	5	LPB	eP	01 28 04.5		1.0	28	

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	LPB	P	01 33 40.5				0.6
		S	49.5				
	PNS	P	02 55 12.6				
	LPB	P	03 28 41.5		1.0	6	
	PNS	P	03 28 42		1.3	14	
	USCGS HINDU KUSH REG	03 11 24.2, 36.1N, 68.8E, H = 18 Km, M = 4.8					
	LPB	ePKP	03 30 49.5				135.9
		eL	04 15				
	PNS	P	05 28 41.7		0.5	2	1.9
		S	29 04.7				
	LPB	P	05 29 13.5		0.8	5	
	LPB	eP	06 06 07		0.9	7	2.5
		S	37				
	TRJ	iP	06 07 10.8	D			
		iS	43.1				
	LPB	P	06 07 36				
	PNS	P	06 07 38.6		0.7	12	
	USCGS GREECE	06 26 37.9 39.6N, 21.5E, H = 55 Km, M = 4.6					
	LPB	eP	06 40 18				100.1
		eL	07 14				
	PNS	eL	07 14				
	LPB	eP	08 35 04.5				
	PNS	eP	08 35 06				
	USCGS OFF E CST OF HONSHU, JAPAN	09 54 14.2, 38.3N, 143.2E, H = 21 Km, M = 4,0					
	LPB	eL	11 03				145.0
	PNS	eL	11 03.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	5	LPB	eP	10 25 05				
		PNS	eP	10 25 39				
MAY	5	LPB	eP	12 19 28				
		PNS	P	12 19 35		0.7	4	
MAY	5	USCGS	12 32 15.3, 4 4.4S, 125.7E, H = 33 Km, M					
		S OF AUSTRALIA						
		LPB	eL	13 26				
		PNS	eL	13 26				
MAY	5	PNS	iP	14 02 44.4	C			
			eS	03 32				
		LPB	P	14 02 54.4		1.0	40	
			(S)	04 03				
MAY	5	USCGS	14 02 37.2, 5.8S, 146.5E, H = 18 Km, M					
		E NEW GUINEA REG						
		PNS	ePKP	14 22 00				
		LPB	ePKP	14 22 05				
			eL	15 08				
MAY	5	LPB	P	14 34 31.5		0.8	30	
			S	35 35				
		PNS	iP	14 34 35.9	D			
			eS	35 07				
MAY	5	USCGS	15 00 07.7, 10.5S, 161.3E, H = 41 Km, M					
		SOLOMON IS						
		PNS	ePKP	15 19 05.4				
			ePS	30 50				
			eSS	37 42				
			eL	58.7				
		LPB	ePKP	15 19 05.5		1.0	12	
			ePS	31 09				
			L	58.7				
MAY	5	USCGS	15 07 49.5, 59.3N, 151.4W, H = 57 Km, M					
		KENAI PENINSULA, ALASKA						
		LPB	eL	15 40				
		PNS	eL	15 40.1				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
5	USCGS	15 17 22.5, 11.4S, 166.3E, H = 78 Km, M = 4.4					
	SANTA CRUZ IS						
	LPB	ePKP	15 36 10				119.5
5	PNS	P	16 30 37.8		0.6	4	3.4
		S	31 17.9				
	CHA	eP	16 30 41.2				
		i	30 46.7				
5	USCGS	16 36 24.2, 18.8S, 71.2W, H = 21 Km, M = 4.1					
	OFF COAST OF N CHILE						
	PNS	P	16 37 21.0	D	1.7	100	
		i(Pn)	37 29.0				
		S	38 03				
	LPB	P	16 37 22				3.6
	CHA	P	16 37 24.2	D			
5	PNS	P	16 46 47.6				4.5
		eS	47 40				
	CHA	eP	16 46 52.2				
		i	46 55.8				
	LPB	eP	16 46 53.5		1.0	22	
5	USCGS	17 06 14.9, 63.7N, 148.5W, H = 102 Km, M = 4.9					
	CENTRAL ALASKA						
	LPB	eL	17 53				100.6
	PNS	eL	17 53.4				
5	USCGS	17 29 54.4, 14.1S, 166.8E, H = 48 Km, M = 4.7					
	NEW HEBRIDES IS						
	LPB	ePKP	17 48 44				117.9
		eL	18 26				
	PNS	eL	18 26.1				
5	USCGS	17 38 05.3, 8.0S, 107.2E, H = 33 Km, M = 5.3					
	JAVA						
	PNS	PKP	17 57 59		1.6	17	
		PKP2	58 23.5				
		PP	18 02 02.6				
		eL	51.6				
	LPB	ePKP	17 58 00		1.0	12	155.0
		PKP2	58 23.5				
		eL	18 51				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	5	PNS	eP	18 10 00.4			
			S	12 01			
MAY	5	LPB	eP	19 28 35			
		CHA	P	19 28 40.6		0.9	6
		PNS	P	19 28 40.9			
MAY	5	PNS	P	19 33 36.6			
			S	34 45.4			
		CHA	eP	19 33 40.2			
			i	33 41.2			
MAY	5	LPB	P	21 19 38.5		0.7	21
			iS	20 16.7			
		CHA	iP	21 19 38.8	C		
			i	19 40.4			
		PNS	iP	21 19 44.9	D	0.4	4
			eS	20 24			
MAY	5	USCGS	22 02 40.2, 72.7N, 3.0E, H = 33 Km, M = 4.1				
		NORWEGIAN SEA					
		LPB	eL	22 50			
MAY	5	USCGS	23 10 26.9, 23.1S, 69.3E, H = 23 Km, M = 4				
		MID-INDIAN RISE					
		LPB	ePKP	23 19 23.5			
			eL	00 09			
		PNS	L	00 09.1			
MAY	6	LPB	P	00 10 30.7		1.0	12
		PNS	P	00 10 32		0.8	3
MAY	6	PNS	P	00 11 06.4		0.6	6
			S	11 29.3			
		CHA	iP	00 11 07.8	D		
MAY	6	LPB	P	00 18 22.7			
			(Pg)	18 28.3			
			S	19 14.5			
		PNS	P	00 18 23			
			i	18 28.9			
			S	19 15			
		CHA	eP	00 18 24.4			
			i	18 29.9			
MAY	6	LPB	eP	00 44 27		0.9	5
		PNS	P	00 44 31.8			

Y	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	LPB	eP	01 01 14.5		0.7	4	
	PNS	P	01 01 16		0.8	5	
	LPB	P	02 14 18.5		2.0	76	50.8
		i	14 32.2				
		PP	16 14				
		eS	21 30				
		eL	29				
	CHA	eP	02 14 18.9				
	PNS	P	02 14 22	C	1.8	66.2	51.0
		i	14 32.6				
		S	21 35				
		L	30.5				
	TRJ	iP	02 47 57.5	C			
	CHA	eP	02 48 42.6				
	LPB	P	02 48 43.2		1.1	20.0	
		i	48 54.3				
		eL	03 01.3				
	PNS	iP	02 48 46.2	C	1.1	3	
		i(pP)	48 58.8				
		L	03 01.4				
	PNS	iP	02 58 57.4	D			1.9
		iS	59 20.0				
	CHA	iP	02 58 58.7	D			
	LPB	P	02 58 59,5		1.0	34	2.0
		S	59 24				
	PNS	P	03 51 34				2.8
		eS	52 07.4				
	CHA	eP	03 51 34.9				
	LPB	eP	03 51 37				
	LPB	eP	04 39 01				
	USCGS	04 48 36.9, 52.7N, 168.1W, H = 34 Km, M = 4.5					
	FOX IS, ALEUTIAN IS						
	LPB	eL	05 40				109.1
	PNS	eL	05 40.4				
	PNS	eP	05 37 48.7				
	PNS	iP	05 53 28.8	D	0.7	14	1.8
		iS	53 50.5				
	CHA	iP	05 53 29.4	D			1.9
		iS	53 52.8				
	LPB	P	05 53 31.2				1.9
		S	53 54.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	6	LPB	eP	06 48 21		0.8	9
		CHA	eP	06 48 22.4			
		PNS	P	06 48 23.2		0.8	6
			eS	49 01			
MAY	6	LPB	eP	07 55 03			
			e	55 23			
MAY	6	CHA	eP	08 05 31.7			
		PNS	iP	08 05 32.2	D	0.6	8
			iS	06 00.8			
		LPB	P	08 05 33		0.9	12
MAY	6	CHA	P	08 29 33.0	C		
		LPB	P	08 29 36.2		1.0	14
			i	29 47			
		PNS	P	08 29 37.9			
			i(Pg)	29 53.9			
			eS	30 21.6			
		TRJ	P	08 29 41.8	D		
MAY	6	USCGS	08 31 15.8, 55.6S, 26.3W, H = 33 Km, M =				
		S SANDWICH IS REG					
		TRJ	iP	08 39 26.3	C		
		CHA	P	08 40 11.1	C		
		LPB	P	08 40 11.7		1.3	41.8
			S	47 28			
			G	52.4			
			L	56			
		PNS	iP	08 40 14.6	C	1.4	43
			PP	42 13			
			S	47 33			
			iSS	50 06.8			
			G	52.2			
			L	55.9			
MAY	6	LPB	eP	08 47 17.5			
			e	47 30			
MAY	6	LPB	eP	09 18 13			
		PNS	P	09 18 14.3		0.8	3
MAY	6	TRJ	iP	10 16 44.8	D		
MAY	6	CHA	iP	10 57 05.6	D		
		LPB	iP	10 57 05.9		0.7	30
			e	57 50.5			
		PNS	iP	10 57 09.8	D	0.7	12

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
6	USCGS	10 56 54.3, 11.1S, 165.7E, H = 33 Km					
	SANTA CRUZ IS						
	LPB	ePKP	11 15 41				120.0
	PNS	ePKP	11 15 45.3				
		eL	53.2				
6	TRJ	iP	12 07 57.3	D			
6	USCGS	12 39 44.2, 15.1N, 92.4W, H = 121 Km, M = 4.3					
	MEXICO-GUATEMALA BOR REG						
	PNS	P	12 47 04.2		1.2	9	
	LPB	eP	12 47 05.4				39.6
6	PNS	P	13 03 03.2		0.7	5	
6	USCGS	13 04 49.8, 13.7N, 144.6E, H = 21 Km, M = 4.9					
	MARIANA IS						
	PNS	PKP	13 24 35.2		0.9	5	
		i	24 37.7				
		eL	14 15.3				
	LPB	PKP	13 24 36		1.0	24	148.4
		eL	14 15				
	CHA	PKP	13 24 36.3	C			
	TRJ	PKP	13 24 40.0	C			
		i	24 44.6				
6	CHA	iP	13 57 20.3	D			
	PNS	iP	13 57 20.8	D			2.0
		iS	57 44.9				
6	USCGS	14 00 41.4, 19.3N, 70.0W, H = 39 Km, M = 5.3					
	DOMINICAN REPUBLIC REG						
	PNS	eP	14 07 33.5		1.2	11	
		iPP	08 52.3				
		eS	13 12				
		eSS	15 25				
		eL	19				
	CHA	eP	14 07 35.3				
		i	07 39.8				
	LPB	P	14 07 37.5		1.3	27	35.5
		i	07 42.5				
		eS	13 10				
		eL	19				
	TRJ	P	14 08 19.0	D			
	TRJ	P	15 02 56.1	D			
	LPB	eP	15 03 41.5				
	PNS	P	15 03 44.3		0.9	8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	6	USCGS	15 45 36.0, 6.1S, 149.1E, H = 51 Km, M =				
		NEW BRITAIN REG					
		LPB	ePKP	16 04 55			
			eL	50			
MAY	6	LPB	eP	19 26 44.5			
		PNS	P	19 26 44.7		0.9	5
MAY	6	USCGS	19 39 23.9, 6.9N, 77.5W, H = 33 Km, M =				
		NR W CST OF COLOMBIA					
		LPB	eP	19 44 44.6			
			eL	50.8			
		PNS	eP	19 44 45.3			
			eS	49 05.2			
			L	50.9			
MAY	6	USCGS	19 44 00.0, 27.8S, 70.7W, H = 41 Km, M =				
		NR CST OF N CHILE					
		LPB	eP	19 46 44			
		PNS	iP	19 46 47.2		0.6	4
			eS	48 58			
MAY	6	PNS	iP	20 02 52.8	C	0.8	22
			eS	03 53.7			
		CHA	iP	20 02 54.5	D		
		LPB	P	20 02 58.5		0.8	55
MAY	6	USCGS	19 48 31.6, 42.9N, 139.3E, H = 33 Km,				
		HOKKAIDO, JAPAN REG					
		LPB	PKP	20 08 10			
			eL	57			
		PNS	ePKP	20 08 10.4			
			eL	57.4			
MAY	6	PNS	eP	20 23 57			
MAY	6	CHA	iP	20 31 28.2	C		
		LPB	P	20 31 29		0.8	18
			S	32 21			
		PNS	iP	20 31 31.9	C	0.5	8
			S	32 26			
MAY	6	LPB	P	23 20 41.5		1.3	13
			eL	43			
		CHA	P	23 20 41.6			
		PNS	iP	23 20 42.0	C	1.2	31
			i	21 14.6			
		TRJ	iP	23 20 55.9	C		

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
7	PNS	P	00 01 01.4		0.7	3	3.5
		eS	42.8				
	LPB	eP	00 01 04.5				
7	PNS	P	00 03 15.2		1.1	12	
		i(pP)	29.1				
		L	12.9				
	LPB	P	00 03 19.3		1.1	15	
		eL	12				
7	LPB	eP	00 21 16				
	PNS	iP	00 21 16.0	D	0.6	3	
7	PNS	P	00 50 29		0.6	2	3.2
		eS	51 06				
7	TRJ	iP	03 13 36.6	C			
	LPB	iP	03 14 23.0		0.8	16	
		(eS)	15 56				
	PNS	iP	03 14 36.9	D	0.9	16	7.6
		eS	16 03				
	CHA	iP	03 14 38.0	D			
7	TRJ	P	05 09 00.4				
	LPB	eP	05 09 30				
	CHA	eP	05 09 45.6				
	PNS	eP	05 09 50				
7	PNS	P	06 18 55		0.7	3	
	LPB	eP	06 18 55.5		0.9	5	
7	USCGS	06 05 33.7, 18.1N, 145.3E, H = 189 Km, M = 4.4					
	MARIANA IS						
	CHA	PKP	06 25 00.3				
	PNS	PKP	06 25 00.4				
		eL	07 15.6				
	TRJ	PKP	06 25 08.9				
	LPB	ePKP	06 24 59				148.0
7	USCGS	06 41 05.8, 52.2N, 171.9W, H = 52 Km, M = 4.5					
	FOX IS, ALEUTIAN IS						
	LPB	eL	07 34				
	PNS	eL	07 34.4				111.5
	USCGS	07 40 15.9, 52.2N, 171.8W, H = 45 Km, M = 4.3					
	FOX IS, ALEUTIAN IS						
	LPB	eL	08 33				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	7	LPB	eP	08 09 23			
		TRJ	P	08 09 31.1	C		
MAY	7	CHA	P	08 10 27.2	D		
		PNS	P	08 10 29.6		0.6	6
			eS	11 53			
MAY	7	TRJ	iP	08 23 42.4	D		
			S	24 13.3			
MAY	7	USCGS	08 11 11.4, 52.2N, 171.8W, H = 55 Km, M =				
		FOX IS, ALEUTIAN IS					
		PNS	ePKP	08 29 46			
		LPB	eL	09 04			
MAY	7	TRJ	P	08 44 26.6	D		
			S	57.4			
MAY	7	USCGS	08 15 21.2, 52.2N, 171.9W, H = 60 Km, M =				
		FOX IS ALEUTIAN IS					
		LPB	ePKP	08 33 22.6		1.0	6
			eL	09 08			
MAY	7	TRJ	P	09 13 45.1			
			S	14 27.3			
MAY	7	CHA	P	10 36 10.9	D		
		PNS	P	10 36 14.6	D	0.8	15
		LPB	P	10 36 15		0.6	14
		TRJ	P	10 36 15.3	D		
MAY	7	PNS	iP	10 39 45.2	C	1.0	27
			i	40 01.6			
		LPB	P	10 39 45.7		1.0	22
MAY	7	USCGS	10 16 56.2, 4.1S, 152.8E, H = 47 Km, M =				
		NEW BRITAIN REG					
		PNS	PKP	10 36 14.4		1.6	57
			iPKS	39 44.1			
			L	11 20.4			
		LPB	PKP	10 36 15		1.0	14
			eL	11 20			
MAY	7	USCGS	11 03 49.5, 51.8N, 173.8E, H = 18 Km, M				
		NR IS ALEUTIAN IS					
		LPB	ePKP	11 22 44			
			eL	12 01			
		PNS	eL	12 01			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
7	TRJ	P	12 27 11.8				1.9
		S	35.3				
	LPB	eP	12 27 52				
	PNS	iP	12 27 55.5	C	0.6	7	5.7
		eS	29 01				
7	PNS	eP	14 36 19				
	LPB	e(P)	14 36 22				
7	PNS	P	14 44 44.1		0.8	5	2.3
		iS	45 11.8				
	LPB	eP	14 45 14		0.7	11	
7	LPB	eP	14 59 06		1.0	8	
7	TRJ	iP	17 11 08.8	D			2.5
		iS	38.4				
7	PNS	P	17 19 35.7		0.7	3	
7	USCGS	18 01 36.1, 37.0N, 115.0W, H = 20 Km, M = 4.7					
	S NEVADA						
	LPB	eL	18 34				68.8
7	TRJ	P	18 30 46.9				
	LPB	eP	18 30 56.5				
	PNS	P	18 30 58.5		0.9	27	5.0
		S	31 55.5				
7	USCGS	19 14 20.3, 39.5S, 72.4W, H = 60 Km, M = 4.4					
	CENTRAL CHILE						
	LPB	P	19 19 23.3		0.8	15	22.7
		i	49.5				
		eL	20 15				
	TRJ	iP	19 18 38.6	D			
	PNS	P	19 19 25.2		0.9	12	
7	PNS	eP	21 01 11.8		1.4	9	
		L	09.3				
	LPB	eP	21 01 14.5				
		e	23				
		eL	09.3				
7	PNS	eP	21 44 26				
	LPB	eP	21 44 38				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	7	USCGS	21 50 14.2, 37.7N, 141.4E, H = 107 Km, M =				
		NR E CST OF HONSHU, JAPAN					
		LPB	ePKP	22 09 29			
			eL	59			
		PNS	ePKP	22 09 44.6		1.0	4
MAY	8	LPB	P	00 58 54.2			
MAY	8	PNS	P	01 00 06.9		0.6	2
MAY	8	USCGS	00 59 50.9, 13.6N, 91.3W, H = 101 Km, M =				
		NR CST OF GUATEMALA					
		LPB	eL	01 17.4			
		PNS	eL	01 17.8			
MAY	8	TRJ	iP	02 13 10.3	C		
			iS	40.0			
		PNS	eP	02 14 00.4		0.2	1
MAY	8	LPB	eP	02 44 37.5			
		PNS	eP	02 44 40.6			
MAY	8	USCGS	03 31 08.8, 28.4N, 130.2E, H = 58 Km, M =				
		RYUKYU					
		PNS	ePKP	03 51 01.4			
		LPB	ePKP	03 51 02			
			eL	04 46			
MAY	8	LPB	eP	05 53 05.5		0.7	6
MAY	8	PNS	iP	06 38 06.1	D		
			S	27.4			
		LPB	P	06 38 07.3		0.8	15
			(S)	31			
MAY	8	USCGS	06 40 28.7, 62.1N, 149.9W, H = 61 Km, M =				
		CENTRAL ALSKA					
		LPB	eL	07 29			
MAY	8	USCGS	07 01 43.5, 8.4S, 78.9W, H = 86 Km, M =				
		NR CST OF N PERU					
		PNS	eP	07 04 44			
		LPB	eP	07 04 48			
MAY	8	LPB	P	07 16 08.2		0.8	6
		PNS	P	07 16 08.6		0.6	4
			eS	47			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
8	USCGS	07 20 24.7, 11.1N, 141.5E, H = 44 Km, M = 4.7					
	W CAROLINE IS						
	PNS	PKP	07 40 15.4	C	1.2	17	
		PKP2	27.9				
		eL	08 32.2				
	LPB	PKP	07 40 16.3		1.0	16	150.7
		PKP2	28.2				
		eL	08 32				
	TRJ	PKP	07 40 20.7				
8	USCGS	08 06 27.1, 6.8N, 73.4W, H = 29 Km, M = 4.4					
	COLOMBIA						
	LPB	eP	08 11 35				23.4
		i	45.8				
		eS	15 50				
		eL	18				
	PNS	P	08 11 35.4		0.8	9	
		eS	15 48				
		eL	18				
8	LPB	P	10 18 29.5		0.7	7	
	TRJ	iP	10 17 48.2	C			3.0
		iS	18 22.4				
	PNS	P	10 18 33.3		0.4	6	
8	USCGS	14 40 09.9, 13.0N, 88.2W, H = 49 Km, M = 4.6					
	OFF CST OF CENTRAL AMERICA						
	LPB	eP	14 47 04				35.5
		eL	57				
	PNS	P	14 47 06.1		1.2	14	
		eL	57.5				
8	PNS	P	15 04 44				4.8
		S	05 38.9				
	LPB	P	15 04 47.2		0.8	7	
		S	05 43				
8	USCGS	14 47 11.1, 30.1N, 131.6E, H = 64 Km, M = 4.9					
	KYUSHU, JAPAN						
	PNS	eSS	15 31 25				
		eL	16 02				
	LPB	eL	16 02				157.2
8	USCGS	18 44 56.8, 33.2S, 178.4W, H = 50 Km, M = 5.3					
	S OF KERMADEC						
	LPB	eP	18 58 20				97.1
		eL	19 31				
	PNS	P	18 58 25.9		1.7	23	
		G	19 18.8				
		eL	31.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	8	USCGS	18 48 04.8, 36.4N, 70.2E, H = 215 Km, M =					
		HINDU KUSH REG						
		PNS	ePKP	19 07 07.5				
			eL	53				
MAY	8	PNS	P	19 34 37				
			e	35 07.6				
MAY	8	PNS	P	20 12 33.3		0.7	2	
MAY	8	LPB	eP	20 18 45				
		PNS	eP	20 18 45.3				
MAY	8	USCGS	20 36 01.4, 36.2N, 71.1E, H = 111 Km, M =					
		AFGHANISTAN-USST BOR REG						
		LPB	ePKP	21 05 28				
			eL	21 51				
		PNS	eL	21 50.9				
MAY	8	USCGS	21 38 45.6, 19.1N, 145.8E, H = 129 Km, M					
		MARIANA IS						
		LPB	eL	22 48				
MAY	8	PNS	eP	22 58 42.2				
		TRJ	iP	22 58 12.0	C			
		LPB	P	22 58 47				
			i	59 18.4				
MAY	8	USCGS	23 23 22.6, 10.4S, 108.1E, H = 33 Km, M					
		S OF JAVA						
		TRJ	PKP	23 43 06.1		1.2	22	
		LPB	PKP	23 43 20.6				
			eL	24 36				
		PNS	iPKP	23 43 21.9	C	1.1	7	
			eL	00 36.1				
MAY	9	PNS	eP	00 05 19				
			eS	08 15				
MAY	9	PNS	P	00 41 20.2				
		LPB	eP	00 41 21				
		TRJ	eP	00 40 28.1				

Y	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	CHA	eP	01 14 51.6				
		i	56.6				
	PNS	iP	01 14 58.2				4.5
		S	15 50				
	LPB	eP	01 15 00		0.8	57	4.4
		i	03.4				
		S	51.5				
	TRJ	P	02 19 54.2	C			
	LPB	P	02 20 10		1.1	7	8.6
		e	19.3				
		S	21 47.2				
	PNS	P	02 20 10.4				9.2
		eS	21 54				
	USCGS	03 02 40.3, 36.5N, 138.3E, H = 167 Km, M = 4.4					
	HONSHU, JAPAN						
	PNS	ePKP	03 22 04.2				
	LPB	P	03 22 11.6				149.3
	PNS	eP	04 53 37.8				
	CHA	P	04 57 50.7				
	PNS	iP	04 57 53.4	D			2.2
		S	58 19.4				
	LPB	P	04 57 55.5		0.6	24	2.2
		S	58 21.5				
	CHA	P	05 13 26.7				
	LPB	P	05 13 31.7				2.7
		i	35.7				
		S	14 04				
	PNS	P	05 13 34.9		1.2	14	2.9
		iS	14 09.4				
	LPB	eP	05 18 06.5				
		e	20				
	PNS	P	05 18 09.4		0.8	3	
	USCGS	06 14 57.1, 44.2N, 149.0E, H = 40 Km, M = 5.3					
	KURILE IS						
	LPB	ePKP	06 34 24		1.1	7	138.0
		PKS	37 52				
		eSS	55 34				
		eL	07 21				
	PNS	PKP	06 34 24		1.3	8	
		iPKS	37 51.4				
		SS	55 21				
		eG	07 12.2				
		eL	20.4				
	TRJ	ePKP	06 34 30.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	9	USCGS	08 57 19.6, 15.8N, 96.8W, H = 33 Km, M =				
		NR CST OF OAXACA, MEXICO					
		PNS	eS	09 11 37			
			eL	17.8			
MAY	9	CHA	eP	09 35 36.0			
		PNS	P	09 35 42.4		0.5	2
			S	36 05			
MAY	9	CHA	iP	10 43 14.0	D		
		PNS	iP	10 43 20.0			
			S	43			
MAY	9	USCGS	11 00 09.8, 44.8N, 140.6E, 256 Km, M =				
		E SEA OF JAPAN					
		PNS	ePKP	11 19 15.4		0.6	2
		LPB	ePKP	11 19 16		1.0	12
			eL	12 07			
		TRJ	ePKP	11 19 25.7			
MAY	9	USCGS	12 36 36.8, 56.6N, 152.6W, H = 33 Km,				
		KODIAK IS REG					
		PNS	eSKS	13 01 05			
			eSS	09 17			
			eL	24.7			
		LPB	eL	13 24			
MAY	9	CHA	P	13 48 43.2	C		
		PNS	P	13 48 47.6		0.5	5
			eS	49 13.6			
		LPB	eP	13 48 50.5			
MAY	9	PNS	P	14 05 41.5		0.9	5
MAY	9	USCGS	15 06 58.6, 56.6N, 152.3W, H = 17 Km,				
		KOSIAK IS REG					
		PNS	eSKS	15 31 33			
MAY	9	USCGS	15 57 41.5, 12.7N, 143.3E, H = 120 Km				
		S OF MARIANA IS					
		LPB	ePKP	16 17 11			
			pPKP	39.3			
			eL	17 08			
		PNS	PKP	16 17 15		1.6	21
			L	17 08			
		TRJ	ePKP	16 17 26.0			

AY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	LPB	eP	16 37 16				
	PNS	P	16 37 26.3		0.8	5	
		i	59.3				
	PNS	P	16 43 07.1				4.0
		eS	54				
	USCGS	17 18 15.2, 16.2N, 93.2W, H = 70 Km, M = 3.7					
	CHIAPAS, MEXICO						
	PNS	eL	17 37.8				
	LPB	eL	17 38				40.5
	USCGS	19 24 44.8, 2.4N, 127.1E, H = 95 Km, M = 5.2					
	MOLUCCA PASSAGE						
	LPB	eL	20 40				159.3
	PNS	eL	20 40				
	PNS	P	19 45 15.6		0.8	5	
	USCGS	20 13 32.4, 15.5S, 173.4W, H = 89 Km, M = 4.8					
	TONGA IS						
	LPB	eP	20 27 11				99.4
		eL	21 01				
	CHA	P	20 51 55.0	D			
	PNS	P	20 52 00.9		0.5	7	2.5
		S	31				
	LPB	P	20 52 03.7		1.1	27	2.8
		S	36.7				
	USCGS	21 30 08.3, 5.2N, 127.5E, H = 119 Km, M = 5.5					
	PHILIPPINE IS REG						
	TRJ	PKP	21 49 57.7	D			
	PNS	iPKP	21 49 59.4	C	2.0	196	
		pPKP	50 21.0				
		pP	54 22				
		eSS	22 14 40				
		eG	35.9				
		eL	46.2				
	LPB	PKP	21 49 59.5		1.4	130	160.6
		ipPKP	50 43.7				
		PKP2	51 03.5				
		ePKS	53 36.5				
		eSS	22 16 00				
		eL	22 47				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	9	TRJ	iP	22 09 35.9	C		
			iS	10 05.9			
		CHA	P	22 09 57.9	C		
		PNS	iP	22 10 09.4	C	0.5	7
MAY	9	PNS	P	22 26 06.5			
			eS	27 07			
MAY	10	TRJ	P	00 33 24.1	D		
		PNS	P	00 33 51.3			
			e	34 27.3			
MAY	10	PNS	P	04 19 26.9		0.6	2
MAY	10	LPB	eP	07 19 26			
MAY	10	LPB	P	08 05 29.6		1.4	27
		PNS	iP	08 05 30.6	C	0.6	10
MAY	10	TRJ	P	11 58 37.3			
			S	59 09.0			
MAY	10	TRJ	P	15 37 19.8			
MAY	10	PNS	iP	12 42 45.3	C	0.4	2
			S	43 08			
MAY	10	CHA	iP	12 48 58.8	C		
		PNS	iP	12 49 03.9	C		
			S	44			
		LPB	iP	12 49 08.4	D	0.9	6
			eS	49			
MAY	10	PNS	iP	13 30 02.4	D	0.8	6
			S	25			
MAY	10	USCGS N CELEBES	13 25 41.3, 1.4N, 120.5E, H = 75 Km,				
		PNS	ePKP	13 45 43.3			
			eSS	14 10 43			
			eL	42.9			
		LPB	eL	14 43			
MAY	10	PNS	iP	14 4[illegible] 03.2	D	0.7	5
			S	26			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
10	USCGS S OF AUSTRALIA	15 23 30.9, 49.1S, 121.6E, H = 33 Km, M = 3.8					
	PNS	eL	16 17.3				
	LPB	eL	16 17				114.3
10	PNS	P	16 38 47.3		0.5	5	3.1
		S	39 23				
10	USCGS TAIWAN	17 40 06.7, 23.7N, 121.5E, H = 44 Km, M = 5.1					
	LPB	ePKP	18 00 07.5				167.4
		eL	59				
	PNS	ePKP	18 00 13.7				
		PKP2	01 19				
		eL	59.8				
10	PNS	P	18 11 03		0.9	3	
	LPB	P	18 11 03.8	C	0.6	10	
10	PNS	P	18 20 41.1		0.8	4	
10	USCGS NR CST OF ECUADOR	19 02 36.5, 3.9S, 79.8W, H = 33 Km, M = 4.1					
	PNS	P	19 06 29.4		1.0	9	
		eL	11				
	LPB	eP	19 06 31				17.0
		eL	11				
0	USCGS OFF CST OF PERU	20 35 23.3, 15.7S, 76.3W, H = 33 Km, M = 4.6					
	PNS	P	20 37 15.5		0.6	6	
		eS	38 40				
	LPB	eP	20 37 18				7.6
		eL	40				
0	PNS	P	22 09 28.9				
0	PNS	iP	22 21 35.5	C	0.8	5	
		i	43.2				
0	PNS	P	22 50 14				
		e(S)	51 41				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	10	LPB	eP	23 22 30		0.7	7
		PNS	iP	23 22 33.8	C	0.5	5
			S	23 32.5			
		CHA	P	23 22 34.2			
MAY	~~10~~ 11	TRJ	P	04 24 16.6	D		
			S	47.3			
		LPB	P	04 25 09.5		0.4	5
		CHA	P	04 25 12			
		PNS	iP	04 25 13.0	D	0.6	5
			eS	26 30			
MAY	11	TRJ	P	05 19 48.5	D		
		LPB	iP	05 20 01	D	0.8	30
			eS	50.6			
		CHA	P	05 20 03.0	D		
		PNS	P	05 20 15.0		0.7	3
MAY	11	PNS	iP	05 28 09.4	D		
			iS	34			
		LPB	iP	05 28 12.2	D	0.9	69
			pP	23.5			
			iS	40			
		CHA	iP	05 28 12.4	D		
		TRJ	P	05 29 15.3			
MAY	11	PNS	eP	05 51 07			
			eS	53 14			
			L	54.3			
MAY	11	USCGS	06 08 19.9, 6.8N, 73.1W, H = 176 Km, M				
		N COLOMBIA					
		PNS	P	06 13 14.4		0.8	18
			iPP	47.8			
			eS	17 23			
			L	19.4			
		CHA	P	06 13 16.7	C		
		LPB	P	06 13 17.6		0.9	29
			pP	51.3			
			S	17 19.5			
		TRJ	P	06 14 04.8			
MAY	11	PNS	eP	10 38 33			
		LPB	eP	10 38 33.5			
MAY	11	PNS	P	13 03 49.8		0.7	6
			eS	04 27			
MAY	11	TRJ	iP	13 06 36.7	D		
			S	07 07.6			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
11	TRJ	P	13 32 19.0	D			
	LPB	P	13 32 30.5		0.8	22	4.3
		S	33 21.0				
	CHA	P	13 32 33.3				
	PNS	P	13 32 35.2		0.8	4	6.2
		S	33 46.7				
11	TRJ	P	15 05 31.4	D			
	LPB	eP	15 45 42				
	PNS	P	15 05 42.3		0.6	3	
11	USCGS	15 05 16.8, 20.3S, 68.5W, H = 67 Km, M = 6.1					
	CHILE-BOLIVIA BOR REG						
	LPB	iP	15 06 24.4	C			3.8
		iS	57				
		(ScS)	20 37.5				
	CHA	iP	15 06 27.0	C			
	PNS	iP	15 06 27.3	C			
		S	07 00.2				
		ScS	20 40				
	TRJ	iP	15 06 30.3	C			
11	USCGS	14 50 58.8, 39.4N, 73.8E, H = 21 Km, M = 5.6					
	TADZHIK-SINKIANG BOR REG						
	LPB	eSS	15 31 50				139.6
		eL	57				
	PNS	eSS	15 31 40.1				
		G	47.6				
		L	57.7				
11	CHA	iP	15 18 30.4				
	PNS	iP	15 18 34.4	C			
	LPB	iP	15 18 35.5		1.2	325	3.0
		S	19 11				
		eG	51				
		eL	58				
	TRJ	iP	15 19 12.6	C			
11	LPB	eP	15 33 29.5				
	PNS	P	15 33 42.6		0.6	13	
11	LPB	P	15 40 12		1.0	4	
		e	44 31				
	PNS	iP	15 04 14.0	C	0.9	30	
	CHA	P	15 40 14.4	D			
11	PNS	P	15 44 28.3		1.4	17	
		i	37.6				
	LPB	eP	15 44 30.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	11	TRJ	P	15 51 49.6	C		
		LPB	P	15 51 50.2		1.2	87
		PNS	iP	15 51 52.0	C	1.0	32
		CHA	P	15 51 52,4	C		
MAY	11	USCGS	16 01 46.0, 15.7S, 167.3E, H = 33 Km, NEW HEBRIDES IS				
		PNS	eL	16 56.9			
MAY	11	PNS	P	16 37 08.0		0.6	4
			e	15.5			
MAY	11	PNS	eP	18 41 53.4			
MAY	11	LPB	P	23 37 58.6		0.9	17
		PNS	P	23 38 01.1		0.9	13
MAY	12	LPB	P	00 52 18.6			
			S	43.5			
		PNS	iP	00 52 18.6	C	0.6	7
			S	42			
		CHA	P	00 52 21.1	D		
MAY	12	USCGS	02 21 41.4, 7.2S, 37.1W, H = 60 Km, M = PERU-BRAZIL BOR REG				
		PNS	P	02 24 11.0		1.0	6
		LPB	eP	02 24 12.2		0.8	4
MAY	12	PNS	iP	03 00 32.6	C	0.6	5
			S	54.8			
MAY	12	USCGS	03 22 02.3, 32.4S, 112.1W, H = 33 Km, EASTES IS CORDILLERA				
		PNS	eP	03 30 00			
MAY	12	TRJ	eP	03 48 51.1			
		LPB	eP	03 48 55.5			
		PNS	P	03 49 00.4		0.8	3
MAY	12	LPB	eP	04 09 13			
MAY	12	LPB	eP	06 04 38			
		TRJ	P	06 04 38.6			
		PNS	iP	06 04 41.2	C	0.8	6

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
12	USCGS	06 13 59.7, 17.8S, 174.0W, H = 115 Km, M = 4.8					
	TONGA IS						
	LPB	eP	06 27 13.5				99.0
		eL	07 01				
	PNS	eL	07 01.3				
12	LPB	eP	06 57 31		1.0	8	
		e	59 13				
	PNS	P	06 57 43.3				
		e(S)	59 11				
12	USCGS	09 28 45.9, 7.0N, 73.1W, H = 144 Km, M = 4.6					
	N COLOMBIA						
	PNS	P	09 33 43.0	C	0.8	21	
		PP	34 16.5				
		S	37 44.9				
		SS	38 47.7				
		L	40.1				
		ScS	44 52				
	LPB	P	09 33 43.3		0.8	21	24.3
		e	46.3				
		PP	34 16.2				
		S	37 47.5				
		eL	40				
	CHA	P	09 33 45.9	C			
12	PNS	P	09 48 45.2				
12	USCGS	10 21 07.5, 45.0S, 80.1W, H = 33 Km, M = 4.5					
	OFF CST S CHILE						
	TRJ	eP	10 26 45.4				
	LPB	eP	10 27 16				29.9
		ePP	28 11.5				
		eS	32 17				
		L	35.7				
	PNS	P	10 27 17.8		1.4	23	
		i	41.6				
		eS	32 25				
		L	35.7				
12	PNS	eP	10 49 03				
12	PNS	P	10 50 58.1				
12	PNS	iP	12 56 25.2	D	0.7	9	2.3
		S	33.4				
	CHA	P	12 56 26.2				
	LPB	P	12 56 27.5		0.8	19	2.4
		S	56.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	12	USCGS S SANDWICH IS REG		13 35 14.3, 57.7S, 25.7W, H = 33 Km, M			
		TRJ	P	13 43 34.0			
		LPB	eP	13 44 20		1.0	7
		PNS	P	13 44 24.0			
			L	14 00.9			
MAY	12	TRJ	eP	15 35 15.0			
		LPB	e(P)	15 36 20			
			eL.	44			
MAY	12	PNS	P	16 34 20		0.6	5
			i	33.8			
MAY	12	USCGS FOX IS ALEUTIAN IS		16 58 33.2, 52.9N, 167.0W, H = 32 Km,			
		LPB	eP	17 12 45			
			eL	50			
		PNS	eSS	17 32 01			
			eL	50.5			
MAY	12	PNS	iP	17 45 44.6		0.8	4
			iS	46 25.0			
MAY	12	USCGS N ITALIA		17 53 23.1, 44.7N, 10.4E, H = 39 Km,			
		PNS	eL	18 38.2			
MAY	12	USCGS DENTRECATEAUX IS REG		18 01 57.6, 8.0S, 154.8E, H = 33 Km,			
		LPB	ePKP	18 21 10			
MAY	12	USCGS BALLENY IS REG		19 04 00.8, 62.7S, 167.7E, H = 33 Km,			
		PNS	iP	19 17 01.7	C	1.3	27
			i	07.6			
			eL	46.7			
		LPB	P	19 17 01.8		1.2	23
			PP	19 43.2			
			eL	46			
MAY	12	PNS	eP	19 29 27.4			
MAY	12	USCGS OFF CST OF N CHILE		20 58 43.7, 20.4S, 71.3W, H = 33 Km,			
		LPB	eP	20 59 57			
				21 00 04.6			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		eS	55				
	PNS	P	20 59 59				
		i	21 00 08.0				
		eS	01 00				
	CHA	P	21 00 03.0	D			
12	LPB	eP	21 08 38				
		e	46				
		e(S)	09 44.5				
	PNS	P	21 08 40.6		1.0	7	5.4
		i	52.6				
		S	09 43				
	CHA	P	21 08 44.6	C			
12	PNS	eP	21 49 52		0.7	3	5.3
		i	50 64.2				
		eS	52.6				
	LPB	eP	21 49 54		1.0	20	
	CHA	P	21 49 56.1	D			
12	PNS	eP	21 54 57				5.5
		i	55 09.0				
		eS	56 00				
	LPB	eP	21 54 58				
		e	55 14.5				
12	USCGS S ALASKA		22 17 09.6, 60.1N, 152.6W, H = 93 Km, M = 4.6				
	LPB	eL	23 05				101.4
	PNS	eL	23 05.6				
2	PNS	P	23 07 20				5.2
		eS	08 20				
3	USCGS CHILE RISE		00 47 53.7, 36.5S, 93.8W, H = 33 Km, M = 4.4				
	PNS	iP	00 54 03.7	D	1.4	23	
		i(pP)	10.0				
		L	01 02.7				
	LPB	P	00 54 04				30.2
		pP	16.5				
		eS	58 47				
		eL	01 02.6				
	PNS	iP	00 58 36.7	C	1.3	24	
	LPB	eP	01 29 10				
	PNS	eP	01 29 10.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	13	PNS	P	01 37 47	C	0.8	7
			i	58.0			
			S	39 01			
		LPB	eP	01 37 48.5		1.0	10
			eS	38 52			
		CHA	P	01 37 52.5			
		TRJ	P	01 38 06.6			
			S	39 21.9			
MAY	13	PNS	P	02 23 08.3		1.3	14
MAY	13	TRJ	iP	02 58 26.7	C		
			iS	58.7			
		LPB	eP	02 58 51.7		0.8	7
		PNS	iP	02 58 55.4	D	0.5	5
MAY	13	PNS	eP	03 00 33			
		LPB	eP	03 00 36.5			
MAY	13	USCGS	02 59 18.5, 11.7S, 166.3E, H = 70 Km, M				
		SANTA CRUZ IS					
		PNS	ePKP	03 18 02			
			eL	03 55.9			
		LPB	eL	03 56			
MAY	13	LPB	P	03 56 56.5		0.7	4
		PNS	P	03 56 58			
MAY	13	PNS	eP	04 00 59.7			
			S	02 30			
MAY	13	USCGS	04 05 50.8, 18.9N, 145.4E, H = 200 Km,				
		MARIANA IS					
		LPB	ePKP	04 25 11.5		1.0	20
			eL	05 16			
		PNS	iPKP	04 25 12.5	C		
			i	14.7			
			eL	05 15.9			
		TRJ	ePKP	04 25 13.4			
			i	22.9			
		CHA	PKP	04 25 15.9	C		
MAY	13	USCGS	05 18 55.4, 56.5N, 152.6W, H = 33 Km,				
		KODIAK IS REG					
		LPB	eP	05 32 40			
			eSKS	43 26			
			eL	06 07			
		PNS	eP	05 32 42			
			SKS	43 21			
			PS	45 50			
			eL	06 06.9			

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
13	USCGS	06 18 14.0, 52.3N, 173.6W, H = 33 Km, M = 4.3					
	ANDREANOF IS, ALEUTIAN IS						
	LPB	eL	07 49				112.5
13	PNS	iP	06 58 56.8	C	0.7	11	2.7
		iS	59 29				
	CHA	iP	06 59 01.1	C			
	LPB	iP	06 59 01.3	C	0.9	22	
13	USCGS	06 57 58.1, 4.6N, 126.8E, H = 79 Km, M = 5.2					
	TALAUD IS						
	LPB	ePKP	07 17 58				160.6
		eL	08 14				
13	PNS	P	12 28 07.6		0.7	5	
	LPB	eP	12 28 12				
	CHA	P	12 28 13.4	D			
13	USCGS	12 47 59.2, 9.6N, 82.4W, H = 33 Km, M = 3.9					
	PANAMA COSTA RICA BOR REG						
	LPB	eP	12 54 11				29.5
		eL	13 03				
13	LPB	eP	13 58 16				
	PNS	iP	13 58 23.0	C	0.8	2	
13	USCGS	15 00 32.6, 20.3S, 70.9W, H = 33 Km, M = 4.1					
	NR CST OF N CHILE						
	LPB	eP	15 01 40				4.5
		i	45.0				
		PP	48.2				
		eS	02 22				
	PNS	P	15 01 43.1		1.4	17	
		S	02 23				
		L	02.8				
	CHA	P	15 01 49.5	C			
	TRJ	P	15 01 53.0	C			
		i	02 06.4	C			
13	PNS	eP	16 35 43.2				
13	TRJ	iP	16 53 01.4	C			
	LPB	eP	16 53 32				
	PNS	P	16 53 34				
13	PNS	iP	18 42 55.0	D	0.6	4	
	CHA	eP	18 42 56.5				
	LPB	P	18 42 57.5		0.6	27	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL
MAY	13	LPB	P	22 56 54		1.0	12
		PNS	P	22 56 54.6		1.0	7
			eS	57 30			
		TRJ	iP	22 57 06.9	D		
MAY	14	USCGS	00 30 06.6, 20.3S, 69.1W, H = 137 Km, M =				
		N CHILE					
		LPB	iP	00 31 05.3	C	0.6	182
			S	44.5			
		CHA	iP	00 31 08.4	D		
		PNS	iP	00 31 09.6	C		
			S	50			
MAY	14	LPB	eP	01 51 02		0.9	8
		PNS	P	01 51 05.1		0.6	5
			S	42.4			
MAY	14	USCGS	02 37 16.2, 21.8S, 70.2W, H = 95 Km, M =				
		NR CST OF N CHILE					
		LPB	eP	02 38 39		1.0	8
			ePg	39 14			
			eS	51.5			
		PNS	P	02 38 41.0	C	1.2	14
			Pg	39 16.5			
MAY	14	PNS	P	02 46 18.4		0.6	2
MAY	14	LPB	P	03 18 35.5	C	0.8	3
			S	19 09.5			
		CHA	P	03 18 37.0	C		
		PNS	iP	03 18 37.4	C	1.0	10
			S	19 12.6			
MAY	14	USCGS	04 16 01.7, 37.7N, 21.2E, H = 66 Km, M =				
		S GREECE					
		LPB	eL	05 03			
		PNS	L	05 04			
MAY	14	USCGS	05 11 36.6, 27.5N, 139.6E, H = 452 Km, M				
		BONIN IS REG					
		PNS	iPKP	05 30 42.4	D	0.9	16
		LPB	PKP	05 30 43.2		0.9	20
			eL	06 22			

STA	PHASE	TIME	SIGN	PER	AMPL	DIST
PNS	P	08 27 07.5				3.2
	iS	44.8				
LPB	eP	08 27 09				
USCGS	08 38 33.1, 20.6S, 68.9W, H = 109 Km, M - 5.2					
CHILE-BOLIVIA BOR REG						
LPB	iP	08 39 38.0	D	0.6	798	4.4
	iS	40 16				
CHA	iP	08 39 40.1	D			
PNS	iP	08 39 40.4	D	0.9	44	
	S	40 18				
LPB	eP	09 00 42				
PNS	P	09 00 45.2				
USCGS	09 00 54.8, 39.2N, 73.9E, H = 33 Km, M = 5.0					
TADZHIK SINKIANG BOR REG						
LPB	ePKP	09 20 24				139.5
	eL	10 07				
PNS	eL	10 08				
PNS	eP	10 25 06				3.0
	eS	41				
USCGS	10 43 02.8, 13.7N, 120.7E, H = 112 Km, M = 4.6					
MINDORO, PHILIPPINE IS						
LPB	ePKP	11 02 53				169.6
	eL	12 03				
TRJ	eP	11 55 24.7				
LPB	eP	11 55 28.5				
PNS	P	11 55 31.9				3.7
	eS	56 15				
LPB	eP	12 02 48				
PNS	iP	12 02 50.0	C	0.9	7	
CHA	eP	12 11 26.0				
PNS	eP	12 11 35				2.5
	eS	12 05				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	14	USCGS SOLOMON IS	12 24 08.9, 10.5S, 161.4E, H = 37 Km, M = 5.4					
		PNS	PKP	12 43 05		1.0	2	
			eL	13 23.2				
		LPB	ePKP	12 43 06				124.1
			eL	13 23				
MAY	14	USCGS KERMADEC IS	14 31 22.1, 28.0S, 176.6W, H = 19 Km, M = 4.4					
		LPB	eL	15 17				97.3
MAY	14	USCGS N ATLANTIC RIDGE	14 54 40.4, 28.4N, 43.9W, H = 33 Km, M = 4.5					
		PNS	iP	15 03 36.6		0.9	14	
		LPB	P	15 03 37.6				50.4
			ipP	45.5				
MAY	14	PNS	eP	15 24 51.7				
MAY	14	PNS	P	15 51 38.0		0.8	10	1.9
			S	52 01.5				
MAY	14	USCGS FIJI IS.REG	15 54 24.3, 17.2S, 178.7W, H = 525 Km,					
		LPB	eP	16 07 21				103.5
			eL	42				
		PNS	eL	18 42.7				
MAY	14	LPB	P	17 07 46.5		0.8	19	
		PNS	iP	17 07 46.7	D			1.4
			S	08 04.8				
MAY	14	LPB	eP	18 43 37.5				
		PNS	iP	18 43 47.0	D	0.5	5	1.9
			S	44 09.7				
MAY	14	PNS	iP	19 00 20.4	C	0.6	4	3.1
			S	56				
MAY	14	PNS	P	19 21 30		0.5	1	
		LPB	eP	19 21 42				
MAY	14	LPB	P	20 03 07.3		0.8	21	
		PNS	P	20 03 09.2		0.9	6	3.6
			S	51				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	15	USCGS S OF HONSHU, JAPAN	00 05 53.3, 32.9N, 141.3E, H = 63 Km, M = 4.5					
		PNS	PKP	00 25 35.2		2.0	49	
			i(pPKP)	50.0				
			G	01 07.2				
			L	01 14.6				
		LPB	ePKP	00 25 36.2		1.0	10	149.0
			eSS	48 06				
			eL	01 14				
MAY	15	USCGS S OF HONSHU, JAPAN	00 13 36.8, 32.9N, 141.4E, H = 58 Km, M = 4.5					
		LPB	ePKP	00 33 16.7		1.0	8	149.0
			eL	01 24				
		PNS	PKP	00 33 17.6		1.2	8	
			eL	01 24.1				
MAY	15	PNS	iP	00 45 34.0	D	1.9	28	
			i	48.0				
		LPB	P	00 45 37.5		1.4	27	
MAY	15	LPB	eP	02 26 21.5				3.4
			S	27 01.2				
		PNS	iP	02 26 23.8	D	0.6	51	2.5
			iS	54.0				
MAY	15	USCGS S OF HONSHU, JAPAN	02 27 36.0, 32.5N, 141.4E, H = 40 Km, M = 5.4					
		PNS	iPKP	02 47 19.0	C	2.0	52	
			i	22.8				
			SS	03 10 03				
			eL	03 38				
		LPB	PKP	02 47 19.7		1.1	15	149.0
			i	23.7				
			eL	03 38				
		TRJ	ePKP	02 47 28.3				
MAY	15	USCGS S OF HONSHU, JAPAN	02 35 50.7, 32.6N, 141.5E, H = 24 Km, M = 4.5					
		PNS	iPKP	02 55 38.6	C			
		LPB	PKP	02 55 39.7		0.8	6	148.0
MAY	15	USCGS S OF HONSHU, JAPAN	02 38 37.6, 32.4N, 141.5E, H = 13 Km, M = 4.6					
		PNS	iPKP	02 58 27.6	C	1.4	25	
		LPB	PKP	02 58 28.5		0.8	12	148.8

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	15	USCGS	03 11 00.5, 32.6N, 141.5E, H = 38 Km, M = 4.5					
		S OF HONSHU, JAPAN						
		PNS	PKP	03 30 46.5		1.7	26	
			ipPKP	58.8				
			eL	04 21.7				
		LPB	PKP	03 30 46.6		0.9	8	148.8
MAY	15	LPB	P	03 56 45				
		PNS	P	03 56 45.1	C	0.6	2	
MAY	15	USCGS	03 55 21.7, 37.2S, 70.3W, H = 33 Km,					
		ARGENTINA						
		TRJ	P	03 59 19.1				
		LPB	eP	04 00 00.5				20.7
		PNS	eP	04 00 05				
MAY	15	USCGS	03 56 24.9, 32.5N, 141.4E, H = 33 Km, M = 4.1					
		S OF HONSHU, JAPAN						
		LPB	ePKP	04 16 11		9.0	7	148.8
			eL	05 07				
		PNS	PKP	04 16 11.7				
			eL	05 07.1				
MAY	15	LPB	P	05 49 49		0.6	4	
		PNS	iP	05 49 49.8	C	0.5	4	
MAY	15	TRJ	P	06 23 37.6				
			i	49.8				
			i	56.2				
MAY	15	LPB	eP	06 24 53				
		PNS	P	06 24 55.2		0.9	3	
		TRJ	P	06 25 06.5				
			i	09.5				
MAY	15	PNS	P	06 35 25.4		1.7	20	
		LPB	eP	06 35 29		0.7	6	
MAY	15	LPB	eP	06 40 00				
MAY	15	USCGS	08 12 57.1, 34.6N, 26.7E, H = 33 Km, M = 4.9					
		CRETE						
		LPB	eP	08 28 14				103.2
			eSS	51 40				
			eL	09 04				
		PNS	L	09 02.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	15	PNS	e(P)	09 34 28				
		LPB	eP	09 34 30.5				
			e	35 11				
MAY	15	USCGS	11 51 35.7, 32.7N, 141.5E, H = 43 Km, M = 4.1					
		S OF HONSHU, JAPAN						
		LPB	eL	12 02				148.8
MAY	15	USCGS	12 40 55.4, 28.2N, 142.8E, H = 23 Km, M = 4.4					
		BONIN IS REG						
		LPB	ePKP	13 00 40				149.0
			eL	51				
		PNS	ePKP	13 00 42				
			eL	51.8				
MAY	15	USCGS	12 57 29.7, 6.0S, 146.7E, H = 48 Km, M = 4.9					
		E NEW GUINEA						
		LPB	ePKP	13 16 59				13 1.0
			eL	14 03				
MAY	15	LPB	eP	13 28 54				
		PNS	iP	13 28 57.0	D	0.6	36	3.6
			iS	29 39.0				
MAY	15	USCGS	15 46 59.4, 28.2N, 142.7E, H = 33 Km, M = 4.4					
		BONIN IS REG						
		PNS	PKP	16 06 46.2		0.6	3	
		LPB	ePKP	16 06 46.5				149.0
			eL	57				
MAY	15	PNS	P	16 32 51.7		0.6	2	
MAY	15	USCGS	17 08 57.1, 10.3S, 74.6W, H = 117 Km, M = 5.1					
		PERU						
		PNS	P	17 10 58.7		1.4	4	
			iPPP	11 15.5				
			eS	12 25				
			L	12.7				
		CHA	iP	17 11 01.5	D			
		LPB	P	17 11 03.3		0.9	36	8.4
			eS	12 32				
		TRJ	P	17 12 22.3	C			
MAY	15	TRJ	iP	17 36 11.4	C			2.5
			i	21.5				
			S	41.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	15	PNS	iP	18 26 38.0	D	0.8	8	4.
			S	27 26				
		CHA	P	18 26 41.3	D			
		LPB	eP	18 26 44				
MAY	15	USCGS	18 50 08.9, 5.3N, 96.6E, H = 51 Km, M = 5.0					
		N SUMATRA						
		LPB	e	19: 11 29.8				161.
			eL	20 06				
		PNS	eL	20 06.8				
MAY	15	LPB	eP	20 57 05.5				
		CHA	eP	20 57 06.4				
		PNS	eP	20 57 07.4				
MAY	16	TRJ	iP	00 22 56.2	C			
		LPB	eP	00 23 27.5				
			i	24 01.6				
		PNS	eP	00 23 30				
			i	24 02.4				
MAY	16	PNS	P	00 31 10.8		0.6	2	
MAY	16	PNS	P	00 39 55.6		0.8	2	4.
			S	40 46				
		LPB	eP	00 39 57				
MAY	16	USCGS	00 57 57.4, 15.7S, 75.2W, H = 33 Km, M = 4.6					
		NR CST OF PERU						
		PNS	P	00 59 35.6		1.5	68	
			S	01 00 42				
			L	01.7				
		CHA	iP	00 59 40.2	D			
		LPB	P	00 59 40.4		1.8	250	6.
			Pg	50.4				
			PP	01 00 08				
			iS	01 00 42				
			i	02 12				
		TRJ	iP	01 00 37.7	D			
MAY	16	LPB	eP	03 32 41				
		PNS	iP	03 32 50.1	C	0.8	6	
MAY	16	PNS	iP	03 55 57.7	D	0.6	6	1
			S	56 20.6				
		LPB	eP	03 56 07				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	16	USCGS	04 06 02.1, 32.9N, 141.4E, H = 60 Km, M = 4.3					
		S OF HONSHU, JAPAN						
		LPB	ePKP	04 25 38				148.6
			eL	05 16				
		PNS	ePKP	04 25 42		1.4	11	
MAY	16	USCGS	05 08 31.6, 45.5N, 149.8E, H = 52 Km, M = 4.7					
		KURILE IS						
		PNS	PKP	05 27 51.5		1.0	6	
			eL	06 13.4				
		LPB	ePKP	05 27 52.5		0.9	5	138.2
			eL	06 13				
		TRJ	PKP	05 27 57.5				
MAY	16	PNS	iP	05 39 06.4	D			2.0
			S	30				
		LPB	P	05 39 07.5		0.7	6	
		CHA	iP	05 39 07.7	C			
MAY	16	USCGS	05 21 27.4, 34.9N, 140.0E, H = 44 Km, M = 4.2					
		NR S CST OF HONSHU, JAPAN						
		PNS	ePKP	05 41 12.6				
		LPB	ePKP	05 41 13				148.8
			eL	06 12				
MAY	16	USCGS	06 18 24.4, 5.7S, 146.4E, H = 53 Km, M = 5.1					
		E NEW GUINEA REG						
		TRJ	ePKP	06 37 36.1				
		LPB	PKP	06 37 40.2		1.2	19	139.5
			eL	07 25				
		PNS	PKP	06 37 40.5		1.4	16	
			eL	07 24				
MAY	16	PNS	P	07 14 07.3		0.9	14	
		CHA	P	07 14 09.6	C			
		LPB	eP	07 14 12				
MAY	16	USCGS	07 17 33.9, 34.6S, 109.2W, H = 33 Km, M = 4.3					
		EASTER IS CORDILLERA						
		LPB	eP	07 25 09.5				40.5
			eL	37				
		PNS	L	07 36.5				
MAY	16	TRJ	iP	07 48 37.7	D			2.3
			iS	49 05.7				
		CHA	eP	07 49 22.2	D			
		LPB	P	07 49 24.6		0.6	4	
		PNS	iP	07 49 28.6	D	1.1	10	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	16	USCGS	08 14 33.9, 33.2S, 108.4W, H = 33 Km, M = 5.1					
		EASTER IS CORDILLERA						
		PNS	iP	08 22 06.4	D	2.5	293	
			iS	28 28				
			iSSS	31 28				
			L	33.8				
		LPB	P	08 22 07.5		2.3	144	39.6
			eS	28 26				
			eSS	30 27				
			L	33.7				
MAY	16	PNS	iP	08 31 22.8	C	0.8	3	
		LPB	eP	08 31 24		0.9	8	
MAY	16	PNS	P	12 35 56				2.1
			eS	36 21				
		LPB	eP	12 36 00		0.9	10	
MAY	16	USCGS	12 58 09.5, 13.5N, 90.6W, H = 95 Km, M = 4.8					
		NR CST OF GUATEMALA						
		PNS	iP	13 05 11.7	C	1.0	16	
			PcP	07 34				
			S	11 03				
			SS	13 46				
			L	16.4				
		LPB	eP	13 05 13.5		0.9	12	37.6
			ePP	06 51				
			S	11 04				
			SS	13 49				
			eL	16.6				
		TRJ	iP	13 06 02.4	D			
MAY	16	USCGS	15 11 26.3, 13.4N, 91.2W, H = 33 Km, M = 4.1					
		NR CST OF GUATEMALA						
		LPB	eL	15 29.5				37.7
		PNS	eL	15 29.6				
MAY	16	LPB	eP	16 22 27.5				
		PNS	eP	16 22 30				
			e(S)	23 55				
MAY	16	USCGS	16 11 22.2, 63.7N, 19.1W, H = 4 Km, M = 4.2					
		ICELAND						
		LPB	eL	16 53				88.2
MAY	16	USCGS	16 14 22.9, 15.2S, 173.5W, H = 33 Km, M = 5.2					
		TONGA IS						
		LPB	eP	16 28 04.5				99.1
			eL	17 01				
		PNS	L	17 01.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	16	LPB	eP	16 37 32				
		PNS	P	16 37 33		0.6	2	
MAY	16	USCGS	17 35 30.0, 52.1N, 173.7W, H = 33 Km, M = 4.4					
		ANDREANOF IS ALEUTIAN IS						
		LPB	eL	18 29				112.5
		PNS	eL	18 29.2				
MAY	16	USCGS	19 24 58.6, 32.4N, 141.3E, H = 36 Km, M = 5.3					
		S OF HONSHU, JAPAN						
		PNS	PKP	19 44 41.2		1.6	57	
			eL	20 35.4				
		LPB	P	19 44 46.5		1.3	83	148.9
			epPKP	45 26				
			eL	20 36				
MAY	16	PNS	P	19 48 00.2		0.6	3	
MAY	16	LPB	P	21 02 19.2		0.8	9	
MAY	16	LPB	eP	22 25 09.5				
		PNS	P	22 25 09.8		1.0	9	
MAY	17	USCGS	00 33 12.3, 60.8N, 143.7W, H = 15 Km, M = 4.8					
		S ALASKA						
		LPB	eP	00 46 02				97.1
			eL	01 18				
MAY	17	LPB	eP	03 35 27.5				3.0
			eS	36 22.5				
		PNS	P	03 35 31.5		1.0	9	
			e(S)	36 32				
		TRJ	iP	03 36 05.0	C			3.2
			i	27.3				
			S	43.2				
MAY	17	USCGS	04 28 51.9, 38.7N, 44.2E, H = 39 Km, M = 4.6					
		TURKEY IRAN BOR REG						
		PNS	PKP	04 47 35.0		1.5	22	117.7
			eL	05 24				
MAY	17	USCGS	05 31 44.0, 22.3S, 69.2W, H = 113 Km, M = 4.0					
		N CHILE						
		LPB	P	05 33 09.4				6.0
			i	31.2				
			iPg	41.0				
			S	34 03.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		CHA	iP	05 33 11.8	C			
		PNS	iP	05 33 12.7	D			
			i	33 33.6				
			iS	34 01				
		TRJ	iP	05 33 42.1	C			
			iS	34 26.5				
MAY	17	LPB	eP	06 48 09.5				
MAY	17	USCGS	07 08 50.1, 7.5S, 81.5W, H = 33 Km, M = 3.9					
		OFF CST OF N PERU						
		PNS	eP	07 12 28.7		0.8	2	
			i(PcP)	17 08				
		LPB	eP	07 12 33		0.9	7	15.8
MAY	17	TRJ	iP	07 16 34.5	D			
MAY	17	USCGS	07 16 50.0, 8.5S, 20.2W, H = 41 Km, M = 4.4					
		OFF CST OF N PERU						14.0
		LPB	eP	07 20 09				
		PNS	P	07 20 14.2		1.2	18	
			L	24.4				
		CHA	eP	07 20 16.0				
MAY	17	USCGS	08 22 20.3, 15.1S, 168.1E, H = 36 Km, M = 5.1					
		NEW HEBRIDES IS						116.0
		LPB	ePKP	08 41 02.5				
			eL	09 17				
		PNS	ePKP	08 41 02.8		1.0	5	
MAY	17	PNS	iP	08 44 18.3	C	0.6	2.0	2.2
			S	44 44.5				
MAY	17	PNS	P	09 17 23.4		0.8	7	1.8
			S	17 45.8				
		CHA	P	09 17 24.8				
MAY	17	PNS	P	09 54 19.7		1.2	8	
			i	54 34.4				
		LPB	P	09 54 20		0.8	10	
			i	54 35				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	17	USCGS	09 50 09.4, 24.4N, 122.1E, H = 50 Km, M = 4.9					
		TAIWAN REG						
		LPB	PKP	10 10 14.5		1.2	15	167.4.
			ePKP2	11 18.5				
			eL	11 09				
		PNS	iPKP	10 10 15.0	C	1.5	20	
			iPKP2	11 16.9				
			L	11 02.2				
MAY	17	LPB	eP	10 25 48				
		PNS	iP	10 25 50	C	0.6	2	
MAY	17	PNS	iP	11 09 52.6		0.9	22	7.8
			iS	10 14.2				
		LPB	eP	11 09 54				2.0
			S	10 18				
MAY	17	USCGS	11 19 38.2, 19.7N, 69.7W, H = 54 Km, M = 4.4					
		DOMINICAN REPUBLIC REGION						
		PNS	P	11 26 34.2		1.9	3	
			eL	37.1				
		LPB	eP	11 26 36.5				36.1
			eL	37				
MAY	17	USCGS	12 56 55.4, 9.7S, 159.8E, H = 32 Km, M = 5.1					
		SOLOMON IS						
		LPB	eL	13 15				125.9
		PNS	eL	13 56.9				
MAY	17	PNS	eP	14 04 31				4.8
			S	05 26				
MAY	17	USCGS	16 13 37.6, 16.6S, 175.5E, H = 80 Km, M = 4.8					
		FIJI IS REG						
		LPB	eL	17 05				109.1
		PNS	eL	17 05.7				
MAY	17	PNS	eP	16 39 41.4		0.6	3	
		LPB	eP	16 39 53				
MAY	17	USCGS	17 50 39.6, 19.7N, 38.7E, H = 38 Km, M = 5.3					
		RED SEA						
		LPB	ePKP	18 09 15				111.1
			eL	18 43				
		PNS	eL	18 43				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	17	LPB	P	18 52 41				
MAY	17	PNS	eP	19 36 41				
			e(S)	39 46				
MAY	17	LPB	P	20 00 03		0.9	19	
		PNS	P	20 00 04.8		1.2	15	3.6
			eS	00 47				
MAY	17	USCGS	21 33 32, 34.7S, 109.4W, H = 33 Km, M = 4.8					
		EASTER IS CORDILLERA						
		PNS	P	21 41 13.7		1.6	28	
			pP	41 23.2				
			eS	47 38				
			SS	50 50				
			L	53.2				
		LPB	eP	21 41 16		1.5	38	40.6
			eS	47 36				
			eL	52.8				
MAY	18	PNS	iP	01 00 37.4	D			1.8
			S	00 59.8				
		CHA	iP	01 00 38.9	D			
MAY	18	USCGS	04 06 54.7, 41.9N, 144.6E, H = 44 Km, M = 4.7					
		HOKKAIDO, JAPAN REGION						
		PNS	ePKP	04 26 22				136.7
		LPB	ePKP	04 26 22.5				
			eL	05 12				
MAY	18	LPB	P	05 19 32.2		1.0	12	
MAY	18	USCGS	07 48 52.2, 0.9S, 78.6W, H = 21 Km, M = 4.3					
		ECUADOR						
		PNS	iP	07 53 08.1	C	0.8	7	
			SeS	05 14				
		LPB	P	07 53 11.8		0.9	18	18.4
			i	53 27.5				
			eL	58				
		TRJ	P	07 54 11.4	D			
MAY	18	LPB	eP	09 02 35				
		PNS	P	09 02 35				
MAY	18	PNS	iP	09 14 43.6				2.6
			S	15 15				
		LPB	P	09 14 45.4		0.8	10	
		CHA	iP	09 14 45.3	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	18	USCGS	11 22 31.6, 41.9N, 144.7E, H = 41 Km, M = 4.9					
		HOKKAIDO, JAPAN REGION						
		PNS	ePKP	11 42 03.6		1.5	18	
			eSS	12 02 45				
			eL	27.7				
		LPB	ePKP	11 42 05		1.1	17	136.7
			eL	12 28				
		TRJ	ePKP	11 42 15.6				
MAY	18	USCGS	11 31 20.4, 40.6N, 70.4E, H = 14 Km, M = 4.9					
		TADZHIK SSR						
		LPB	ePKP	11 50 30				136.8
			eL	12 35.7				
		PNS	ePKP	11 50 33				
			G	12 27.5				
			eL	12 35.8				
MAY	18	USCGS	12 53 19.6, 59.2S, 25.4W, H = 33 Km, M = 5.5					
		S SANDWICH IS REG						
		TRJ	P	13 01 47.6	C			
		CHA	P	13 02 33.7				
		PNS	P	13 02 35.6		0.8	4	
			ePP	04 41.8				
			eS	10 00				
			eL	19				
		LPB	eP	13 02 36		1.2	25	52.6
			eL	19				
MAY	18	LPB	eP	13 28 40				
MAY	18	TRJ	iP	13 56 07.1				2.5
			iS	56 36.9	D			
		PNS	P	13 56 48.3	D	0.6	8	5.8
			S	57 54				
MAY	18	USCGS	14 00 56.1, 42.0N, 144.7E, H = 40 Km, M = 5.1					
		HOKKAIDO, JAPAN REGION						
		LPB	ePKP	14 20 19				136.7
			eL	15 07				
		PNS	ePKP	14 20 20				
			eL	15 07.5				
MAY	18	PNS	iP	14 54 56.0	C	0.6	4	
			(S)	55 46				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	18	PNS	iP	14 59 31.4	C	0.9	8	3.3
			eS	15 00 10				3.3
		LPB	P	14 59 33.2				
			i	59 36				
			S	15 00 12.4				
		CHA	P	14 59 36.1	C			
MAY	18	TRJ	iP	16 03 52.2	D			2.8
			iS	04 24.9				
		CHA	P	16 04 36.8	C			
		PNS	P	16 04 38.7	C	0.7	3.3	6.0
			S	05 48.2				
MAY	18	LPB	P	17 00 54.5		0.6	11	2.9
			S	01 29				
		CHA	P	17 00 56.3	D			
		TRJ	iP	17 01 24.7	C			
MAY	18	PNS	iP	17 39 52.9	D	0.7	10	1.9
			iS	40 16.3				
		CHA	iP	17 39 55.0	D			
MAY	18	USCGS	16 50 31.5, 6.4S, 147.7E, H = 60 Km					
		E NEW GUINEA REGION						
		PNS	L	18 55.7				137.6
		LPB	eL	18 56				
MAY	18	PNS	P	18 42 56.9		0.7	8	3.0
			S	43 31.6				
MAY	18	USCGS	20 56 40.4, 71.1N, 70.8W, H = 33 Km, M = 4.9					
		BAFFIN BAY						
		LPB	eP	21 09 16				87.2
			eL	38				
		PNS	eL	21 38.6				
MAY	18	LPB	P	23 02 24.5		0.8	15	6.9
			S	03 42.5				6.8
		CHA	iP	23 02 25.7	C			
			iS	03 47.9				
		PNS	iP	23 02 31.0	C	0.7	15	7.2
			iS	03 52.9				
MAY	18	PNS	iP	23 28 12.6	D			
		CHA	iP	23 28 18.8	C			
		LPB	eP	23 28 20		0.9	15	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	18	USCGS	23 20 39, 10.0N, 126.1E, H = 32 Km, M = 5.8					
		MINDANAO, PHILIPPINE IS						
		LPB	ePKP	23 40 37				164.8
			eL	00 38				
MAY	18	USCGS	23 39 15.2, 31.1N, 130.7E, H = 43 Km, M = 5.6					
		KYUSHU, JAPAN						
		PNS	PKP	23 59 09.6		1.3	31	
			iPKP2	59 38.9				
			eL	00 53.7				
		LPB	PKP	23 59 10		1.1	32.5	157.5
			iPKP2	59 40.6				
			eL	00 53				
MAY	19	LPB	EP	01 09 12.3		0.7	4	
		PNS	eP	01 09 37				
			e(S)	10 33				
MAY	19	LPB	eP	01 43 05.5				
		PNS	iP	01 43 09.1	C	0.7	6	5.0
			S	44 07.6				
MAY	19	LPB	P	02 41 24.5		0.9	8	
		PNS	eP	02 41 27				
MAY	19	USCGS	03 55 49.9, 8.6N, 125.9E, H = 66 Km, M = 5.5					
		MINDANAO PHILIPPINE IS						
		LPB	eL	05 13				164.1
		PNS	eL	05 13.8				
MAY	19	LPB	P	04 58 03.7		0.7	38	2.3
			i	12.7				
			S	30.6				
		PNS	iP	04 58 05.1	C	1.0	39	2.4
			S	34				
		CHA	iP	04 58 06.3	C			
MAY	19	USCGS	05 09 10.9, 34.9S, 179.0W, H = 35 Km, M = 5.2					
		S OF KERMADEC IS						
		LPB	eP	05 22 25.5				96.8
			eL	55				
		PNS	L	05 59.5				
MAY	19	PNS	iP	05 31 36.5	D	0.7	20	1.9
			iS	59.5				
		CHA	iP	05 31 38.6	D			
		LPB	P	05 31 39		0.7	7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	19	USCGS VENEZUELA	07 00 39.8, 7.2N, 71.9W, H = 33 Km, M = 3.9					
		LPB	eP	07 05 48				
			eL	12				
		PNS	P	07 05 49.3		1.1	11	
			eL	12.3				
MAY	19	PNS	P	07 38 01.3				5.3
			S	39 02				
MAY	19	PNS	P	07 42 43.5				2.7
			S	43 15				
		LPB	P	07 42 45.0		0.9	8	2.8
			S	43 17.8				
		CHA	P	07 42 46.2	D			
MAY	19	USCGS EL SALVADOR	07 52 03.1, 13.2N, 89.5W, H = 83 Km, M = 5.0					
		PNS	P	07 58 59.1	D	1.0	11	
			PP	59 19.9				
			eS	08 04 50				
			L	08 10.6				
		LPB	P	07 59 01.7		1.0	8	36.4
			eL	08 10				
MAY	19	TRJ	eP	08 10 50.3				
MAY	19	TRJ	P	09 56 45.8	C			2.9
			S	57 19.9				
MAY	19	PNS	iP	10 31 17.4	D	0.6	7	1.8
			iS	39.8				
MAY	19	PNS	eP	10 52 29				8.8
			S	53 59.2				
		CHA	eP	10 52 29.8				
		LPB	eP	10 52 30		0.9	12	
MAY	19	USCGS S OF MARIANA IS	11 15 10.2, 12.2N, 144.2E, H = 33 Km, M = 5.0					
		LPB	ePKP	11 34 41.5				
			eL	12 25				
		PNS	ePKP	11 34 56.5				
			eL	12 25.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	19	USCGS JUJUY PROV, ARGENTINA	11 19 40.3, 23.8S, 66.9W, H = 209 Km, M = 4.1					
		TRJ	iP	11 20 30.2	D			
		LPB	P	11 21 27.4		0.8	15	7.5
			S	22 49.5				
		CHA	P	11 21 28.1	C			
		PNS	P	11 21 30.2		0.7	10	
			S	22 55.4				
MAY	19	PNS	eP	11 53 10				4.0
			S	57				
MAY	19	USCGS KERMADEC IS REG	12 02 19.9, 30.3S, 177.9W, H = 25 Km, M = 4.7					
		PNS	G	12 48.2				
			eL	55.4				
		LPB	eL	12 55				112.5
MAY	19	LPB	eP	13 08 20				
			e	09 25				
			eL	36				
		PNS	eP	13 08 45.2		1.6	18	
			i	09 44				
			L	36.7				
MAY	19	LPB	eP	15 05 07				
		PNS	P	15 05 08.1		0.7	3	
MAY	19	PNS	P	15 21 06.2		0.5	4	
MAY	19	USCGS ETHIOPIA	15 52 34.2, 14.5N, 40.3E, H = 13 Km, M = 5.1					
		LPB	eL	16 45				111.6
		PNS	eL	46				
MAY	19	USCGS CHILE-BOLIVIA BOR REG	16 15 08.0, 21.4S, 67.2W, H = 221 Km, M = 4.3					
		TRJ	P	16 15 09.4				
		LPB	iP	16 16 23.4	C	0.7	392	5.0
			Pg	40.3				
			eS	17 21				
		PNS	iP	16 16 27.5	C			
			S	17 28				
MAY	19	LPB	eP	16 31 35				
		PNS	eP	16 31 50.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	19	USCGS	16 43 51.2, 51.8N, 177.0W, H = 52 Km, M = 4.5					
		ANDREANOF IS ALEUTIAN IS						
		LPB	ePKP	17 02 31				114.3
			eL	38				
		PNS	eL	17 38.1				
MAY	19	LPB	eP	18 15 29				
		PNS	P	18 15 29.5		0.5	3	2.9
			S	16 04				
MAY	19	USCGS	19 12 21.6, 26.0N, 143.9E, H = 33 Km, M = 4.6					
		VOLCANO IS REG						
		PNS	PKP	20 32 09.1		1.2	13	
			eL	21 23.1				148.6
		LPB	ePKP	20 31 33				
			eL	21 23				
MAY	19	USCGS	21 39 53.5, 2.8N, 74.2W, H = 33 Km, M = 4.3					
		COLOMBIA						
		PNS	eP	21 44 27.9		1.3	9	
			eL	50				
		LPB	eP	21 44 30.5		0.7	10	20.0
			eL	50				
MAY	20	LPB	eP	00 01 12				
		PNS	P	00 01 15.5		1.0	7	
MAY	20	LPB	P	00 14 31				
		PNS	P	00 14 32.3		0.6	3	
MAY	20	PNS	P	01 09 44.0		0.7	3	
MAY	20	USCGS	01 05 52.6, 52.5N, 170.5W, H = 89 Km, M = 4.6					
		FOX IS, ALEUTIAN IS						
		LPB	ePKP	01 24 21.7				110.1
			eL	58				
		PNS	ePKP	01 24 22.3				
MAY	20	USCGS	02 51 09.4, 19.8N, 146.0E, H = 42 Km, M = 5.5					
		MARIANA IS REG						
		PNS	iPKP	03 10 51.8	C	1.4	59	
			eSS	33 20				
			L	59.7				
		LPB	PKP	03 10 52		1.1	45	147.0
			PP	14 20				
			eL	04 00				
		CHA	PKP	03 10 53.8	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	20	PNS	P	04 26 53.3		0.5	3	
MAY	20	PNS	eP	06 15 30				1.9
			iS	53.1				
MAY	20	USCGS	06 33 40.8, 16.1S, 75.2W, H = 16 Km, M = 4.6					
		OFF CST OF PERU						
		PNS	P	06 35 21.0		0.5	11	
			S	36 42				
		CHA	iP	06 35 24.1	C			
		LPB	P	06 35 25.6		2.3	304	6.8
			iPn	33.8				
			eS	36 37				
MAY	20	USCGS	07 48 52.0, 13.3N, 90.4W, H = 108 Km, M = 4.6					
		NR CST OF GUATEMALA						
		PNS	eP	07 55 52.7		1.0	5	
			eS	08 01 38				
			eL	08 06.5				
		LPB	eP	07 55 56				37.1
			eL	08 06				
MAY	20	PNS	P	08 18 53.3				3.3
			iS	19 32.5				
		LPB	eP	08 18 59				
MAY	20	USCGS	08 47 19.8, 39.2N, 72.8E, H = 33 Km, M = 5.1					
		KIRGIZ SSR						
		PNS	PKP	09 06 47.8		1.2	7	
			eL	52.1				
		LPB	PKP	09 06 48.3		1.0	6	139.0
			eL	52				
MAY	20	LPB	eP	10 11 55				
		PNS	eP	10 11 55.7		0.9	5	
MAY	20	CCH	P	10 51 01.7	D			
		PNS	P	10 50 57.7		1.1	12	
		LPB	P	10 51 02		1.0	20	
MAY	20	LPB	eP	11 00 36				
		PNS	P	11 00 39.2				
MAY	20	PNS	eP	11 25 18				1.9
			S	41.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	20	USCGS	12 09 30.7, 7.0N, 72.9W, H = 142 Km, M = 4.0					
		N COLOMBIA						
		LPB	eP	12 14 23				
		PNS	P	12 14 29.3				
			iPP	15 01.0				
			eL	20.8				
MAY	20	USCGS	12 52 06.6, 23.3S, 69.3W, H = 98 Km, M = 4.5					
		N CHILE						
		TRJ	iP	12 53 16.0	C			
		LPB	eP	12 53 47.4		0.9	71	
			eS	54 20				
		PNS	iP	12 53 50.2	C			
			S	54 22				
MAY	20	USCGS	13 02 09.3, 59.2S, 65.7W, H = 33 Km, M = 5.5					
		DRAKE PASSAGE						
		TRJ	iP	13 09 22.6	C			
		LPB	P	13 10 05.2	C	0.8	127	
			eS	16 30				
			eSS	19 32				
			eL	24				
		CHA	P	13 10 05.9	D			
		PNS	iP	13 10 07.2	C			
			i	49.0				
			PP	11 52.9				
			eS	16 34				
			G	19.9				
			L	23.4				
MAY	20	USCGS	13 25 16.2, 28.2S, 112.2W, H = 33 Km, M = 4.2					
		EASTER IS REG						
		LPB	eP	13 33 04				
			eL	45				
		PNS	P	13 33 07.1		1.7	8	
			eS	43 00				
			L	45.9				
MAY	20	TRJ	P	14 20 37.5	C			
MAY	20	TRJ	P	14 22 11.2	D			
		CHA	eP	14 22 29.4				
		LPB	eP	14 22 30		0.7	15	
		PNS	iP	14 22 32.5	D	0.6	6	
			i	52.0				
			S	23 24				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	20	PNS	iP	15 11 11.6	C	1.1	34	
			eL	35.6				
		CHA	iP	15 11 12.5	C			
		LPB	iP	15 11 14.0	C	0.8	172	
			eL	35				
		TRJ	iP	15 11 48.3	C			
MAY	20	PNS	P	15 38 15				
			i	39 17.6				
MAY	20	PNS	P	16 32 07.3		0.5	3	
MAY	20	PNS	P	17 45 11.7		0.6	9	1.9
			S	35				
		CHA	P	17 45 12.8	C			
MAY	20	LPB	eP	18 28 32				
		PNS	P	18 28 35.0	C	0.6	5	
MAY	20	TRJ	iP	18 57 33.9	C			
MAY	20	LPB	eP	19 01 35				3.6
			S	02 17.2				
		PNS	P	19 01 48.2				2.5
			iS	02 18.0				
		CHA	eP	19 01 48.8				
MAY	20	USCGS	19 39 37.1, 50.4N, 177.6E, H = 35 Km, M = 4.5					
		RAT IS, ALEUTIAN IS						
		PNS	eL	19 35.9				
		LPB	ePKP	19 58 24				110.2
			eL	35				
MAY	20	PNS	P	21 20 37.0		1.2	9	
MAY	20	USCGS	21 48 54.5, 29.7N, 52.2E, H = 42 Km, M = 4.8					
		S IRAN						
		PNS	ePKP	22 07 52				
		LPB	eL	22 48				124.4
MAY	20	PNS	iP	22 20 03.2	C	0.7	8	1.7
			S	24				
		LPB	P	22 20 03.4				1.8
			i(Pg)	07.0				
			S	26				
		CHA	iP	22 20 05.5	C			1.5
			S	24.1				
MAY	21	TRJ	iP	01 16 59.3	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	21	PNS	eP	01 17 59.2				
			e(S)	19 25.6				
MAY	21	TRJ	P	01 45 57.5	C			4.4
		LPB	P	01 45 58.5		1.1	32	
			S	46 50				4.6
		PNS	P	01 46 01.0		1.2	18	
			S	54				
		CHA	P	01 46 02.9	C			
MAY	21	USCGS	03 11 59.1, 13.2N, 89.9W, H = 52 Km, M = 4.4					
		EL SALVADOR						
		PNS	iP	03 18 58.5	D	1.0	16	
			i(PP)	19 15.2				
			S	24 40				
			eL	29.8				36.9
		LPB	eP	03 19 01.8		0.9	10	
			eL	30				
		TRJ	iP	03 19 50.5	D			
MAY	21	TRJ	P	04 58 31.6				3.3
			S	59 10.4				
MAY	21	USCGS	05 38 56.0, 4.3S, 142.8E, H = 112 Km, M = 4.6					
		NEW GUINEA						
		LPB	eL	06 46				142.3
		PNS	PKP	05 58 18.1		0.9	4	
MAY	21	USCGS	05 42 11.3, 14.2N, 90.3W, H = 52 Km, M = 3.9					
		GUATEMALA						
		LPB	eP	05 49 17				37.8
			eL	06 01				
MAY	21	TRJ	P	06 06 05.3	C			2.5
			S	35.3				
MAY	21	USCGS	07 18 12.8, 27.9N, 111.3W, H = 33 Km, M = 4.7					
		GULF OF CALIFORNIA						
		PNS	eP	07 28 20				
			eS	36 37				
			G	43.6				
			eL	47.4				60.6
		LPB	eP	07 28 21.5				
			eS	36 39				
			G	43.8				
			eL	48				
		TRJ	P	07 28 28.6	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	21	PNS	eP	08 15 26.2		1.0	4	
			e	38.6				
		LPB	eP	08 15 34		0.9	7	
MAY	21	PNS	eP	08 21 53				7.2
			eS	23 15				
		LPB	eP	08 21 54				
MAY	21	USCGS	08 28 49.6, 16.5S, 75.6W, H = 14 Km, M = 4.4					
		OFF CST OF PERU						
		PNS	P	08 30 31.9		0.7	11	
			S	31 57				
		CHA	P	08 30 35.9	C			
		LPB	eP	08 30 37.6				7.1
			PP	45.3				
			S	31 02				
		TRJ	P	08 31 34.4				
MAY	21	TRJ	iP	10 25 42.2	D			2.7
			iS	26 14.0				
MAY	21	TRJ	P	11 05 35.7	D			2.8
			iS	06 08.6				
		PNS	P	11 06 04.9		0.6	2	
MAY	21	USCGS	21 17 21.2, 5.7S, 146.5E, H = 58 Km, M = 5.1					
		NEW GUINEA REG						
		TRJ	ePKP	12 36 34.1				
		LPB	ePKP	12 36 37.5		1.1	22	139.0
			PKS	40 40				
			eL	13 23				
		PNS	PKP	12 36 46.0		1.0	8	
			L	13 23.4				
MAY	21	PNS	eP	14 14 35.6				
		LPB	eP	14 14 46.5		0.9	12	
MAY	21	USCGS	14 42 34.4, 33.5N, 116.6W, H = 19 Km, M = 4.7					
		S CALIFORNIA						
		LPB	eP	14 52 42.5				61.6
MAY	21	USCGS	17 40 41.1, 6.1S, 147.3E, H = 57 Km, M = 4.8					
		E NEW GUINEA REG						
		PNS	ePKP	18 00 03.5				
		LPB	ePKP	18 00 09.5				138.2
			eL	46				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	21	LPB	eP	18 24 49				
		PNS	P	18 24 52.1		0.7	5	4.3
			eS	25 42.7				
MAY	21	LPB	eP	18 24 49				
		PNS	P	18 24 52.1		0.7	5	4.3
			eS	25 42.7				
MAY	21	USCGS	18 45 11.7, 1.0S, 101.5E, H = 173 Km, M = 6.3					
		S SUMATRA						
		TRJ	ePKP	19 04 46.2				
		CHA	PKP	19 04 53.0				
		CCH	iPKP	19 04 50.9	C			
		LPB	PKP	19 04 53.8	C	1.5	534	159.3
			pPKP	05 39				
			PP	09 30				
			SKS	15 44				
			iSS	29 03				
			eG	50				
			eL	20 00				
		PNS	iPKP	19 04 54.1	C	1.6	197	
			pPKP	40.5				
			i	06 20.3				
			PP	09 10.0				
			SKKS	15 46.7				
			SS	29 18				
			L	20 00.5				
MAY	21	PNS	eP	19 48 13.9				
MAY	21	TRJ	iP	20 05 25.6	D			2.5
			S	55.5				
		CCH	iP	20 06 03.1	D			
		LPB	iP	20 06 17.7	D	0.9	32	
		PNS	iP	20 06 21.8	D	0.8	11	
MAY	21	TRJ	iP	20 15 52.0	D			
		LPB	P	20 16 15.2		0.8	27	
		CHA	P	20 16 18.6	C			
		PNS	iP	20 16 18.9	C	0.8	11	5.3
			eS	17 20				
		CCH	P	20 16 19.6				
MAY	21	USCGS	20 28 28.7, 55.2N, 159.6W, H = 58 Km, M = 3.9					
		ALASKA PENINSULA						
		LPB	eP	20 42 13				104.3
			eL	21 18				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	21	PNS	P	20 41 38.7				3.7
			S	42 22				
	21	PNS	eP	23 29 54.6				
		LPB	eP	23 29 57.5				
	22	PNS	P	00 02 03		0.5	3	
	22	PNS	iP	00 16 48.0	D	0.6	13	1.8
			iS	17 10.0				
		LPB	P	00 16 49.5		0.6	11	2.0
			S	17 13.5				
	22	LPB	eP	01 31 35.4				
	22	PNS	P	02 21 05.6				
	22	LPB	eP	02 51 36				
		PNS	eP	02 51 38				
	22	USCGS	02 42 13.2, 35.9N, 139.4E, H = 55 Km, M = 4.3					
		NR S CST OF HONSHU, JAPAN						
		PNS	iPKP	03 01 57.0	D	1.8	39	
		LPB	PKP	03 01 58.5		0.9	14	148.5
			eL	52				
	22	USCGS	02 59 34.7, 43.6N, 126.7W, H = 33 Km, M = 4.4					
		OFF CST OF OREGON						
		LPB	eP	03 11 17				80.1
			eL	38				
		PNS	eP	03 11 41.7				
	22	TRJ	iP	03 45 48.6	D			3.3
			S	46 27.3				
		LPB	P	03 46 13.0		0.8	18	
		PNS	P	03 46 16.9	C	1.3	20	
	22	TRJ	P	04 11 25.9	C			
	22	PNS	P	05 13 42.7				2.8
			iS	14 16				
		LPB	P	05 13 45.4		0.8	7	3.6
			S	14 27.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	22	USCGS	06 23 29.5, 20.3N, 65.9W, H = 33 Km, M = 4.4					
		N ALEUTIAN OCEAN						
		PNS	eP	06 30 33.6				
			eS	36 12				
			L	41.4				
		LPB	eP	06 30 34		1.2	15	36.2
			eL	41				
		TRJ	eP	06 31 13.8				2.0
MAY	22	PNS	iP	07 32 57.3	D			
			S	33 21.4				
		LPB	P	07 33 00		1.0	58	
MAY	22	TRJ	iP	08 12 21.4	D			03.2
			S	24.6				
MAY	22	USCGS	08 51 40.7, 50.6N, 154.7E, H = 168 Km, M = 4.4					
		KURILE IS						
		LPB	PKP	09 10 35.5		1.1	12	131.9
		PNS	PKP	09 10 35.8				
MAY	22	LPB	eP	09 37 19				
		PNS	P	09 37 21.0		0.9	6	
MAY	22	LPB	eP	10 02 26				
		PNS	iP	10 02 27.8	D	0.6	3	2.2
			eS	53.6				
MAY	22	PNS	P	10 19 53		0.3	2	3.4
			S	20 33				
MAY	22	LPB	eP	10 25 03				
		PNS	P	10 25 04.0		0.7	4	
MAY	22	USCGS	12 15 40.8, 44.5N, 148.9E, H = 36 Km, M = 4.4					
		KURILE IS						
		LPB	ePKP	12 35 09				138.5
MAY	22	LPB	eP	17 46 16				
		TRJ	iP	17 45 24	D			
		PNS	P	17 46 20.7	C	0.6	3	6.1
			eS	47 37.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	22	USCGS	17 41 20.6, 37.0N, 68.0E, H = 37 Km, M = 4.8					
		AFGHANISTAN USSR BOR REG						
		LPB	ePKP	18 00 38				136.5
MAY	22	USCGS	19 19 25.3, 37.1N, 68.3E, H = 48 Km, M = 4.7					
		AFGHANISTAN-USSR BOR REG						
		LPB	ePKP	19 38 36				136.3
MAY	22	TRJ	iP	19 43 42.8	D			3.6
			iS	44 24.6				
		PNS	P	19 44 25.8	C	0.5	6	
MAY	22	TRJ	eP	20 09 04.2				
		PNS	P	20 09 11.5				4.1
			S	10 00				
		LPB	eP	20 09 16				
MAY	22	USCGS	20 09 59.6, 59.5S, 29.6W, H = 33 Km, M = 4.9					
		S SANDWICH IS REG						
		TRJ	P	20 18 17.6	D			
		LPB	eP	20 19 02.5		1.0	18	50.9
			pP	09.2				
			S	26 20				
			eL	35				
		PNS	iP	20 19 05.4	C	0.9	12	
			i(pP)	12.2				
			S	26 29				
			L	35.2				
MAY	22	USCGS	20 51 57.4, 24.9N, 134.2E, H = 127 Km, M = 4.5					
		SWRYUKYU IS						
		LPB	eL	22 09				165.6
		PNS	eL	22 09.7				
MAY	22	USCGS	21 05 20.2, 39.6N, 142.9E, H = 33 Km, M = 4.2					
		NR E CST OF HONSHU, JAPAN						
		PNS	ePKP	21 24 55.8				
			eL	22 14.2				
		LPB	eL	22 14				144.9
MAY	22	TRJ	P	22 32 57.6	D			2.4
			S	33 26.6				
MAY	22	USCGS	22 41 25.6, 15.0N, 94.6W, H = 35 Km, M = 4.4					
		NR CST OF OAXACA, MEXICO						
		PNS	P	22 49 02.2		1.0	8	
			e	10.4				
			eL	23 01.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	22	PNS	P	22 49 02.2		1.0	8	
			e	10.4				
			eL	23 01.6				
MAY	22	USCGS	22 49 11.1, 36.3N, 138.5E, H = 33 Km, M = 4.3					
		HONSHU, JAPAN						149.4
		LPB	ePKP	23 08 42				
			eL	24 00				
		PNS	ePKP	23 08 59.2				
MAY	23	USCGS	01 22 22.2, 44.6N, 150.2E, H = 33 Km, M = 4.3					
		KURILE IS REG						
		PNS	ePKP	01 41 46.4				
			eL	02 27.3				137.4
		LPB	PKP	01 41 46.5				
			eL	02 28				
		TRJ	ePKP	01 41 50.5				
MAY	23	USCGS	01 52 39.1, 44.6N, 50.5E, H = 22 Km, M = 4.9					
		KURILE IS REG						
		PNS	ePKP	02 12 03.2				
			PKS	15 31				
			eL	58.8				
		LPB	PKP	02 12 04.2		1.0	8	137.4
			PKS	15 34				
			eL	03 00				
		TRJ	ePKP	02 12 10.6				
MAY	23	CCH	P	03 22 58.3	C			
		CHA	P	03 22 59.0	D			
		TRJ	eP	03 22 40.6				
		LPB	eP	03 23 01	D	0.8	16	
		PNS	P	03 23 03.0	C	0.7	4	
MAY	23	USCGS	05 53 28.8, 52.4N, 160.2E, H = 44 Km, M = 4.3					
		OFF E CST OF KAMCHATKA						128.0
		LPB	ePKP	05 12 26				
			eL	06 55				
MAY	23	PNS	eP	06 37 58				
			e(S)	39 22.6				
		LPB	eP	06 38 00				
MAY	23	PNS	P	07 08 55.5				5.0
			eS	09 54				
		LPB	eP	07 08 59.5		0.6	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	23	PNS	P	07 08 55.5				
			eS	09 54				5.0
		LPB	eP	07 08 59.5		0.6	4	
MAY	23	USCGS	08 34 35.8, 3.1S, 101.5E, H = 59 Km, M = 5.3					
		S SUMATRA						
		TRJ	ePKP	08 54 21.6				
			i	28.6				
		LPB	ePKP	08 54 26.5				157.5
			epPKP	46.5				
			eL	09 48				
		PNS	ePKP	08 54 28.5				
			eL	09 48.9				
MAY	23	PNS	P	09 23 03.4				
MAY	23	LPB	eP	09 37 47.5				
		PNS	P	09 37 50.2				
			e	38 02				
MAY	23	LPB	eP	09 39 23				3.2
			S	40 00				
		PNS	iP	09 39 23.0	C			2.6
			iS	53.6				
		CHA	iP	09 39 29.4	C			
MAY	23	PNS	iP	10 04 31.5		0.6	5	1.9
			S	55				
MAY	23	LPB	eP	10 43 30				
		PNS	P	10 43 33.6		0.6	2	
MAY	23	PNS	P	10 45 17.7		0.7	3	
MAY	23	USCGS	11 52 59.7, 22.8S, 68.0W, H = 135 Km, M = 4.2					
		CHILE-BOLIVIA BOR REG						
		TRJ	iP	11 35 50.6	C			
		LPB	iP	11 54 31.8	D	0.9	20	6.3
			PP	42.7				
			S	55 33.7				
		CHA	iP	11 54 33.4	C			
		PNS	iP	11 54 34.3				
			iS	55 38.2				
MAY	23	USCGS	12 02 18.3, 72.8N, 5.6E, H = 33 Km, M = 4.7					
		NORWEGIAN SEA						
		LPB	eP	12 16 03.5				100.3
			eL	50				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	23	PNS	eP	13 37 58.3				3.2
			S	38 36.7				
MAY	23	PNS	iP	14 11 13.0	C	1.5	58	
			eL	33.9				
		CHA	iP	14 11 15.5	D			
		LPB	iP	14 11 15.8		0.7	6	
			eL	36				
		CCH	iP	14 11 26.1	C			
		TRJ	iP	14 11 50.2	C			
MAY	23	LPB	eP	14 37 05				
		PNS	P	14 37 06.4		0.6	3	
			e	39 20				
MAY	23	PNS	P	16 34 35.1		0.6	4	3.1
			S	35 11.4				
MAY	23	LPB	eP	16 47 13				
		PNS	P	16 47 26.4		0.6	3	
MAY	23	USCGS	17 14 51.7, 10.4N, 83.9W, H = 115 Km, M = 4.3					
		COSTA RICA						
		LPB	eP	17 20 36.5				
MAY	23	USCGS	18 05 51.1, 23.5S, 68.1W, H = 134 Km, M = 4.3					
		N CHILE						
		TRJ	iP	18 06 46.8	D			
		CCH	P	18 07 24.2				
		LPB	P	18 07 33		0.8	30	7.1
			eS	43				
		PNS	P	18 07 35.6		0.9	8	
			eS	08 44				
		CHA	P	18 07 36.2				
MAY	23	USCGS	19 12 19.6, 13.4N, 90.7W, H = 60 Km, M = 4.4					
		NR CST OF GUATEMALA						
		LPB	P	19 19 23.5				37.3
		PNS	P	19 19 23.5		1.2	13	
MAY	23	USCGS	19 17 47.5, 56.2S, 27.3W, H = 130 Km, M = 5.9					
		S SANDWICH IS REG						
		TRJ	iP	19 25 49.4	C			
		CCH	iP	19 26 18.5	C			
		LPB	iP	19 26 32.8	C	1.0	494	49.8
			pP	59.8				
			iS	33 32.4				
			PS	34 32				
			eL	41.4				
		CHA	iP	19 26 34.4	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY		PNS	iP	19 26 35.7	C			
			ipP	27 03.4				
			i	51.0				
			S	33 38.6				
			PS	34 27				
			ScS	36 12.6				
			L	41.2				
MAY	23	CCH	eP	19 31 24.2				
		LPB	eP	19 31 32		1.3	53	
		PNS	iP	19 31 32.8	C	1.2	57	
			i	33 30.3				
MAY	23	LPB	eP	19 56 50				
		PNS	P	19 57 08.1		1.5	24	
MAY	23	PNS	eP	20 13 42.2				
MAY	23	USCGS	20 14 06.5, 37.2N, 116.4W, H = 33 Km, M = 4.4					
		S NEVADA						
		LPB	eP	20 25 16				70.1
			eL	47				
MAY	23	USCGS	20 56 52.6, 52.3N, 160.3E, H = 33 Km, M = 4.5					
		OFF E CST OF KAMCHATKA						
		LPB	eL	21 57				128.0
MAY	24	USCGS	00 46 57.0, 56.2S, 27.3W, H = 130 Km, M = 4.6					
		S SANDWICH IS REG						
		TRJ	P	00 54 56.1	C			
		LPB	eP	00 55 40		1.0	10	50.0
			pP	56 10				
		PNS	iP	00 55 45.5	C	0.9	9	
			pP	56 12.2				
MAY	24	LPB	eP	01 02 31				1.2
			S	46.2				
MAY	24	USCGS	01 35 37.1, 50.0N, 159.3E, H = 43 Km, M = 4.4					
		KURILE IS REG						
		LPB	ePKP	01 54 49.3				129.5
			eL	02 38				
MAY	24	USCGS	02 10 29.4, 18.0N, 62.3W, H = 56 Km, M = 4.2					
		LEEWARD IS						
		PNS	eP	02 17 15.6				
		LPB	P	02 17 16		0.9	8	34.6

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	24	LPB	ePKP	02 25 26.3				
			eL	03 22.7				
		PNS	eL	03 22.9				
								7.1
MAY	24	PNS	eP	03 04 43				
			eS	06 03				
		LPB	eP	03 04 57.7				
MAY	24	LPB	eP	03 17 07		2.0	32	
			eL	23				
		PNS	iP	03 17 08.0	C	1.5	21	
			L	26				
MAY	24	USCGS	03 59 14.4, 56.7N, 152.1W, H = 14 Km, M = 4.0					
		KODIAK IS REG						
								100.9
		LPB	eP	04 13 06				
			SKS	33 28				
			eL	44.8				
		PNS	SP	04 28 36				
			i	33 43				
			L	45				
MAY	24	LPB	eP	04 24 48.5		2.0	97	
		PNS	eP	04 24 50		1.3	15	
MAY	24	USCGS	04 37 01.5, 12.8S, 167.0E, H = 162 Km,					
		SANTA CRUZ IS						
								117.9
		LPB	ePKP	04 55 31.7				
			SSS	05 17 38				
			L	28.8				
		PNS	ePKP	04 55 33				
			SSS	05 17 53				
			L	32.5				
MAY	24	LPB	eP	05 08 47.6		2.0	119	
		PNS	P	05 08 51.6		1.9	62	
MAY	24	USCGS	08 47 10.3, 21.3S, 68.9W, H = 133 Km, M = 3.9					
		CHILE-BOLIVIA BOR REG						
								4.9
		TRJ	P	08 48 09.1				
		LPB	eP	08 48 22.6				
			i	40.2				
			eS	49 11.5				
		CHA	eP	08 48 24.8				
		PNS	P	08 48 25.7		0.8	7	
			eS	49 20				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	24	PNS	P	15 03 12.5				1.1
			S	26.7				
		CHA	iP	15 03 14.7	C			7.3
			iS	30.7				
		LPB	P	15 03 22.7				2.4
			S	15.2				
MAY	24	PNS	P	16 38 06.8		0.6	3	
			e	15				
MAY	24	TRJ	P	17 37 16.9	C			2.7
			S	49.0				
		PNS	P	17 38 04.2		0.5	3	
MAY	24	PNS	iP	18 40 07.6	C	0.5	2	
MAY	24	PNS	P	18 52 02.8		0.6	2	4.2
			eS	52				
		LPB	eP	18 52 05				
MAY	24	USCGS	18 24 37.6, 19.5S, 169.0E, H = 96 Km,					
		NEW HEBRIDES IS						
		LPB	ePKP	18 43 13				43.4
			eL	19 18				
MAY	24	PNS	eP	19 12 10				1.8
			iS	32				
		CHA	eP	19 12 12.3				
MAY	24	LPB	eP	19 14 05.6				
			i	09.3				
		PNS	P	19 13 55		0.5	2	6.9
			i	59.6				
			eS	15 13				
MAY	24	PNS	iP	20 23 55.0	D			1.2
			S	24 10				
MAY	24	LPB	eL	20 39				
MAY	24	PNS	eP	21 33 50				3.4
			iS	34 30.5				
		LPB	eP	21 34 00				4.3
			S	50				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	25	LPB	eP	01 25 33.5				
MAY	25	LPB	eP	02 08 31.8				
MAY	25	USCGS S OF HONSHU, JAPAN	03 43 02.0, 30.4N, 142.5E, H = 33 Km, M = 4.2					
		PNS	PKP	04 02 50.0		0.8	5	
			eL	53.5				
		LPB	PKP	04 02 51		0.8	4	148.5
MAY	25	TRJ	P	04 43 44.7				2.4
			S	44 14.2				
MAY	25	TRJ	P	05 22 53.7	D			3.4
			S	23 34.2				
MAY	25	TRJ	P	05 24 19.7	D			2.0
			eS	53.4				
MAY	25	PNS	eP	05 26 10				
		LPB	eP	05 26 11.5				
MAY	25	PNS	iP	15 12 48.4	C	7		
MAY	25	LPB	iP	16 02 44.8	C	0.8	157	1.8
			iS	03 06.7				
		PNS	eP	16 02 56				
MAY	25	PNS	P	16 31 36.2				1.8
			S	58.5				
MAY	25	LPB	e(P)	16 59 32.5				
		PNS	eP	16 59 31.8				
MAY	25	USCGS KAMCHATKA	17 59 36.5, 52.1N, 157.5E, H = 87 Km, M = 4.7					
		LPB	ePKP	18 18 49				129.6
			eL	19 01				
MAY	25	LPB	eP	18 28 57				
		PNS	eP	18 28 57.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	25	USCGS CERAM	18 40 18.3, 3.0S, 127.8E, H = 56 Km, M = 4.9					
		PNS	ePKP	19 00 04.8				
			eSS	23 50				
		LPB	ePKP	19 00 11				154.8
			pPKP	37				
			eL	53				
		TRJ	P	19 00 12.5				
MAY	25	USCGS HOKKAIDO, JAPAN REG	18 52 17.1, 46.0N, 143.0E, H = 325 Km, M = 4.8					
		LPB	ePKP	19 11 02				140.4
			PP	16.5				
			eL	58				
		PNS	ePKP	19 11 10.8				
			PP	14 15.5				
MAY	25	PNS	P	20 24 38		0.5	3	
MAY	25	PNS	eSS	23 54 10				
		LPB	eSS	54 00				
			G	10				
			eL	16				
MAY	26	LPB	P	00 08 32.5				
		PNS	eP	00 08 44				
MAY	26	LPB	eP	00 39 08.5				
			e	40 18.5				
MAY	26	TRJ	P	01 21 15.7	C			
		LPB	P	01 21 18		0.9	25	
		PNS	P	01 21 21.3	D	0.9	25	
MAY	26	USCGS S OF FIJI IS	02 48 53.8, 24.7S, 179.5W, H = 555 Km, M = 4.2					
		PNS	eP	03 01 32.8				
		LPB	eL	03 36				101.7
MAY	26	TRJ	P	03 11 50.2	C			
			S	12 37.5				
		LPB	P	03 11 59.7		0.9	12	3.9
			i	12 16				
			S	44.5				
		PNS	P	03 12 00.8		0.8	7	4.0
			eS	45				
MAY	26	LPB	P	03 23 26		0.8	10	
		PNS	iP	03 23 29.6		0.6	5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	26	PNS	eP	07 04 10				2.1
			S	34.6				
		LPB	eP	07 04 13				1.9
			eS	36				
MAY	26	USCGS	07 41 45.3, 24.7S, 70.7W, H = 52 Km, M = 4.5					
		NR CST OF N CHILE						
		TRJ	eP	07 43 21.5				8.7
		LPB	eP	07 43 48.5				
			eS	45 26				
		PNS	P	07 43 50.6				
			ipP	44 03.8				
			SSS	45 53.6				
MAY	26	USCGS	09 14 39.5, 54.4S, 136.3W, H = 33 Km, M = 4.9					
		S PACIFIC CORDILLERA						
		LPB	P	09 25 12.4		1.1	15	64.1
			eL	45.1				
		PNS	P	09 25 12.4		1.5	27	
			L	45.2				
MAY	26	LPB	P	09 33 35.4		0.9	14	
		PNS	P	09 33 38.0	D	1.0	13	
MAY	26	USCGS	10 35 34.0, 32.5N, 140.8E, H = 63 Km, M = 4.6					
		S OF HONSHU, JAPAN						
		PNS	iPKP	10 55 18.8	D	0.8	13	
			eL	11 46.4				
		LPB	PKP	10 55 19.5		1.0	22	
			eL	11 46				
MAY	26	LPB	eP	11 08 12.5				
MAY	26	LPB	e(P)	13 14 42.5		1.0	14	
MAY	26	USCGS	14 45 50.9, 39.6S, 73.6W, H = 39 Km, M = 4.5					
		NR CST OF CENTRAL CHILE						
		TRJ	eP	14 50 17.3				23.1
		LPB	eP	14 51 00				
			pP	04.3				
			eS	55 14				
			eL	58				
		PNS	P	14 51 01.4	C	1.6	49	
			i	06.5				
			eS	55 20				
			eL	57.6				
MAY	26	TRJ	P	15 00 30.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	26	TRJ	eP	15 07 55.3				
		PNS	P	15 08 07.0		0.8	5	
			i	17.0				
		LPB	eP	15 08 07.2				
MAY	26	PNS	P	15 11 14.3		1.3	17	
			eL	36				
		LPB	P	15 11 17.3		1.0	38	
			eL	35				
		TRJ	P	15 11 52.3				
MAY	26	PNS	iP	15 16 43.8	D	0.7	16	1.7
			iS	17 05.1				
MAY	26	PNS	P	16 17 21.9	C	0.6	3	
		LPB	eP	16 17 22				
MAY	26	TRJ	iP	19 23 24.1	D			
MAY	26	PNS	iP	19 52 52.6		0.8	6	
			e(S)	53 43				
MAY	26	USCGS	19 33 38.0, 25.7N, 140.6E, H = 362 Km, M = 4.7					
		VOLCANO IS REG						
		PNS	PKP	19 52 52.6		0.7	5	
			eL	20 45				
		LPB	eL	20 45				151.5
MAY	26	PNS	eP	19 54 25				
			e(S)	57 13.7				
MAY	26	USCGS	21 17 23.8, 6.1S, 130.3E, H = 137 Km, M = 5.3					
		BANDA SEA						
		PNS	ePKP	21 36 56				
			i	37 04.9				
			i	14.9				
			eL	22 28.9				
		LPB	iPKP	21 37 05.6	D	1.2	19	151.0
			i	13.8				
MAY	26	PNS	P	21 58 13.1		0.6	3	
MAY	27	USCGS	01 42 47.1, 39.9N, 77.3E, H = 33 Km, M = 5.4					
		SINKIAN, CHINA						
		LPB	eP	02 02 23				137.0
			eL	48				
		PNS	ePKP	02 02 24.5				
			eG	40				
			eL	48.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	27	USCGS ALGERIA	01 54 26.0, 35.8N, 0.3W, H = 28 Km, M = 4.7					
		LPB	eP	02 06 15				75.7
			e	i 50.7				
			eL	31				
		PNS	eP	02 06 16.3				
			i	51.2				
MAY	27	TRJ	iP	02 27 45.6	C			2.3
			S	28 12.6				
MAY	27	LPB	P	03 21 09.8		0.9	8	2.2
			(S)	35.5				
		PNS	P	03 21 10.0		0.8	5	2.2
			S	36				
MAY	27	TRJ	P	04 46 07.6	C			
		PNS	P	04 46 27.1		1.0	8	
		LPB	P	04 46 27.5		1.0	20	
MAY	27	PNS	P	05 54 20.1		0.8	4	
MAY	27	LPB	P	06 11 02.5		0.8	16	
		TRJ	iP	06 10 22.1	D			
		PNS	iP	06 11 06.8	C	0.6	8	
			e(S)	12 12				
MAY	27	PNS	eP	06 26 34				
MAY	27	PNS	eP	06 58 38				
			eL	07 51				
		LPB	eP	06 58 38.4				
			eL	07 51				
MAY	27	PNS	iP	07 43 00.1	D	1.0	9	
MAY	27	PNS	iP	07 58 58.0	D			1.9
			iS	59 21.0				
		CHA	iP	07 58 58.9	C			2.0
		LPB	eP	07 59 00				
			S	24.2				
MAY	27	TRJ	eP	08 06 32.1				
		LPB	eP	08 07 16.8		0.8	6	
		PNS	P	08 07 20.0		0.9	17	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	27	LPB	eP	11 16 23				
			eL	12 36				
		PNS	P	11 16 25.8				
MAY	27	USCGS AFGHANISTAN-USSR	12 42 54.1, 36.2N, 71.5E, H = 109 Km, M = 4.9					
		PNS	L	13 49				139.5
MAY	27	PNS	P	13 22 41.3		1.2	11	
MAY	27	PNS	P	15 04 29.3		0.8	5	
MAY	27	PNS	iP	16 35 14.0	C	0.7	7	3.1
			S	50				
MAY	27	USCGS RAT IS, ALEUTIAN IS	17 22 58.7, 51.9N, 176.1E, H = 34 Km, M = 5.8					
		PNS	PKP	17 41 44.9		1.3	26	
			ipPKP	53.8				
			PP	43 05.6				
			SKS	48 38				
			SS	59 21				
			eG	18 12.4				
			L	20.4				
		LPB	ePKP	17 41 45.5		1.2	31	119.2
			ePP	43 20.5				
			ePS	53 08				
			SS	59 27				
			G	18 13.2				
			L	20.8				
		TRJ	PKP	17 41 57.2				
MAY	27	USCGS KASHMIR-SINKIANG BOR REG	19 05 48.5, 36.1N, 77.8E, H = 35 Km, M = 5.4					
		TRJ	PKP	19 25 22.3				
		PNS	PKP	19 25 22.4		1.4	15	
			i	27.5				
			PKS	28 51.2				
			eL	20 14				
		LPB	ePKP	19 25 25.3		1.8	103	143.9
			i	45.7				
			PKS	29 09.3				
			eL	20 14				
MAY	27	USCGS HOKKAIDO, JAPAN REG	20 11 11.0, 41.9N, 142.3E, H = 68 Km, M = 4.3					
		LPB	ePKP	20 30 44				143.8

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	27	USCGS	22 45 33.0, 38.8S, 74.8W, H = 33 Km, M = 4.2					
			OFF CST OF CENTRAL CHILE					
		TRJ	eP	22 50 02.0				22.5
		LPB	eP	22 50 28				
			eL	56.6				
		PNS	eP	22 50 43.5		1.6	35	
			ipP	51.5				
			eL	56.7				
MAY	27	LPB	P	23 29 05.7		0.9	15	
		PNS	P	23 29 10		0.5	4	
MAY	28	PNS	iP	00 49 25.7	C	1.0	12	3.0
			iPn	31.5				
			S	50 01				
		LPB	iP	00 49 27.6	C	0.8	91	3.7
			(S)	50 10.5				
		CHA	iP	00 49 28.2	D			
MAY	28	USCGS	01 31 56.7, 52.1N, 175.0E, H = 45 Km, M = 5.2					
		RAT IS, ALEUTIAN IS						
		PNS	ePKP	01 50 43				
			L	02 29				
		LPB	eSS	02 08 21				119.7
			eL	02 28				
MAY	28	LPB	eP	02 02 20				
		PNS	eP	02 02 34				6.2
			S	03 45				
MAY	28	LPB	P	02 05 19		0.5	7	
MAY	28	LPB	eP	02 20 23.5				
MAY	28	PNS	iP	02 25 24.7	D	0.5	5	
MAY	28	USCGS	04 00 58.0, 30.3N, 130.8E, H = 33 Km, M = 4.6					
		KYUSHU, JAPAN						
		PNS	eL	05 16				157.6
MAY	28	PNS	P	04 27 25.3		0.8	4	
MAY	28	LPB	eP	05 32 51.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	28	USCGS	07 16 31.2, 16.6N, 146.6E, H = 95 Km, M = 4.5					
		MARIANA IS						
		LPB	ePKP	07 36 05.5		1.8	69	146.9
		PNS	iPKP	07 36 05.9	C	1.4	33	
MAY	28	LPB	eP	08 43 38				
MAY	28	LPB	P	11 37 55.2		0.9	7	
		PNS	P	11 37 55.4		1.2	7	
MAY	28	LPB	eP	12 04 49.5				
MAY	28	USCGS	12 03 01.7, 37.7N, 73.4E, H = 33 Km, M = 4.9					
		TADZHIK SSR						
		LPB	eL	13 09				140.0
		PNS	eL	13 09.8				
MAY	28	USCGS	12 19 31.9, 1.9N, 131.4E, H = 40 Km, M = 5.1					
		UGANDA						
		PNS	ePKP	12 33 13				
		LPB	ePKP	12 33 07				100.0
			eL	13 08				
MAY	28	LPB	eP	12 43 16.5				
		PNS	eP	12 42 50.8				
MAY	28	PNS	iP	13 40 36.8	D	0.4	4	2.3
			iS	41 95.0				
MAY	28	PNS	eP	13 45 03				
		LPB	eP	13 45 09.2				
MAY	28	USCGS	15 09 41.9, 52.7S, 10.4E, H = 33 Km, M = 5.3					
		S W OF AFRICA						
		PNS	eP	15 20 56		1.6	35	
			i(PcP)	21 16.5				
			eL	43.2				
		LPB	P	15 20 56.1		1.2	40	69.7
			eL	43				
MAY	28	LPB	P	16 31 07		0.9	32	6.2
			S	32 18.5				
		PNS	P	16 31 09.0		0.8	11	6.3
			S	32 21				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	28	CHA	iP	18 05 00.0	D			2.1
		PNS	iP	18 05 06.6	D			
			S	31.6				
		LPB	iP	18 05 09.2	D	0.8	180	2.1
			S	36.3				
		CCH	iP	18 05 30.5	D			
MAY	28	LPB	P	20 04 08		1.1	15	
			i	45				
		PNS	P	20 04 08				
			i	46.3				
		CCH	P	20 04 38.0				
MAY	28	LPB	eP	21 22 45.5				
		PNS	P	21 22 59.3		0.5	7	1.8
			iS	23 21.6				
MAY	28	LPB	eP	23 30 00.8		1.0	8	
		PNS	iP	23 30 02.2	C	1.6	25	
MAY	29	LPB	eP	00 26 57.0		0.8	6	
		PNS	P	00 26 58.0		1.1	9	
MAY	29	USCGS	01 43 55.2, 14.2N, 89.4W, H = 110 Km, M = 4.1					
		GUATEMALA						37.2
		LPB	eP	01 50 45				
			eL	02 01				
		PNS	P	01 50 53.9		0.5	2	
			eL	02 01.7				
MAY	29	USCGS	04 45 43.9, 11.9N, 143.3E, H = 33 Km, M = 5.6					
		S OF MARIANA IS						
		PNS	PKP	05 05 29.7		1.3	59	
			eL	56.2				148.8
		LPB	PKP	05 05 29.8		1.1	40	
			eL	56				
		CCH	PKP	05 05 32.4				
		CHA	PKP	05 05 33.5				
MAY	29	PNS	P	05 12 41				
		LPB	eP	05 12 44				
MAY	29	USCGS	04 55 56.2, 14.9S, 167.4E, H = 122 Km, M = 4.6					
		NEW HEBRIDES						116.8
		LPB	ePKP	05 14 14				
			eL	50				
		PNS	eL	50.5				
MAY	29	LPB	eP	06 43 36.5		0.7	4	
		PNS	eP	06 43 38.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	29	CHA	eP	07 04 16.7	C			
		LPB	eP	07 04 21				3.4
			S	05 01.8				
		PNS	iP	07 04 22.4	C			4.2
			S	05 11.4				
		CCH	P	07 03 49.6	C			
MAY	29	LPB	eP	07 39 49.5				
		PNS	P	07 39 52.5		0.8	3	
MAY	29	LPB	eP	07 44 08				
MAY	29	USCGS	07 32 59.7, 5.9S, 146.0E, H = 20 Km, M = 5.1					
		NEW GUINEA						
		PNS	ePKP	07 52 27				
		LPB	ePKP	07 52 29.6				
			eL	08 39				
MAY	29	PNS	eP	09 02 00.3				
			e	15				
MAY	29	USCGS	11 09 53.9, 19.2S, 176.3W, H = 236 Km, M = 5.1					
		FIJI IS						
		LPB	ePKP	11 23 13.5				100.8
			eL	57				
		PNS	ePKP	11 23 15		1.5	13	
			eL	56.9				
MAY	29	PNS	P	12 50 58.4		0.8	6	
			i	51 32.0				
MAY	29	LPB	P	13 29 09		-0.9	39	
		CHA	iP	13 29 10.0	C			
		PNS	iP	13 29 11.3	C	1.0	45	4.2
			i	28.9				
			S	30 00				
MAY	29	USCGS	13 43 46.5, 29.4N, 42.7W, H = 33 Km, M = 4.3					
		N ATLANTIC RIDGE						
		LPB	eP	13 52 54				51.8
		PNS	iP	13 52 54.0	C	1.8	61	
MAY	29	PNS	P	15 59 15.4				
MAY	29	PNS	P	16 22 26.5				2.4
			S	55.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	29	LPB	eP	16 26 04.5		0.8	9	
MAY	29	LPB	eP	16 32 19				
		PNS	P	16 32 21.1	C	0.7	9	
MAY	29	USCGS	18 57 56.6, 56.0S, 27.4W, H = 130 Km, M = 4.7					
		S SANDWICH IS REG						
		LPB	eP	19 06 34				49.8
			eL	21 06				
		PNS	iP	19 06 43.0	C	1.2	14	
MAY	29	LPB	eP	19 55 37.5				
		PNS	iP	19 55 40.0	C	0.7	8	
MAY	29	LPB	(P)	20 15 41.5		0.8	7	
MAY	29	USCGS	21 01 44.3, 43.3N, 145.7E, H = 88 Km, M = 5.3					
		HOKKAIDO, JAPAN REG						
		LPB	ePKP	21 21 04		1.1	25	140.8
			i	08.0				
			PKS	24 34.5				
			eL	22 08				
		PNS	PKP	21 04.5				
			PKS	42 34.4				
			eSS	42 36				
			eL	22 08.2				
MAY	29	USCGS	21 55 14.0, 15.8S, 172.5W, H = 33 Km, M = 4.6					
		SAMOA IS REG						
		PNS	eL	22 42.1				98.0
MAY	29	PNS	P	22 48 04.0		1.0	10	
MAY	29	PNS	iP	23 02 19.0	C	0.6	7	
			e(S)	03 55				
		LPB	P	23 02 45.5		0.8	9	
MAY	29	LPB	eP	23 08 54				
		PNS	P	23 08 53				
MAY	30	LPB	eP	00 13 46.5				
		PNS	P	00 13 50.6				
			e(S)	14 33				
MAY	30	PNS	iP	00 27 57.9	C	0.6	6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	30	LPB	P	01 37 51.1		0.8	7	
		PNS	P	01 37 52.5				
MAY	30	CHA	eP	01 58 38.6				
		LPB	eP	01 58 40.7				2.7
			S	59 12.5				
		PNS	eP	01 58 47.4				3.1
			S	59 23				
MAY	30	CCH	iP	02 49 28.7	D			
		SCS	iP	02 49 31.9	D			
		LPB	iP	02 49 34.2	D	0.9	14	3.0
			i	42.0				
			S	50 09.2				
		CHA	iP	02 49 35.2	D			
		PNS	iP	02 49 37.8	D	1.0	39	3.2
			S	50 14.8				
MAY	30	PNS	iP	03 21 21.0	C	0.4	28	7.0
			eS	22 40				
		LPB	eP	03 21 21.5		1.0	12	
MAY	30	PNS	P	04 09 31.7		1.0	16	4.3
			i	45.4				
			S	10 26.5				
		LPB	eP	04 09 35				
		CHA	P	04 09 35.4				
MAY	30	LPB	eP	04 17 20				
			eL	37				
		PNS	eP	04 17 25				
			eSKS	27 22				
			L	37.6				
MAY	30	CCH	iP	05 15 15.2	C			
		SCS	P	05 15 42.6				
		LPB	P	05 15 45.7	C	0.8	48	2.3
			i	52.3				
			eS	16 13.5				
		CHA	iP	05 15 46.2	C			1.8
			S	16 08.1				
		PNS	iP	05 15 53.5	D	0.7	60	2.7
			S	16 26				
MAY	30	LPB	eP	06 53 50				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	30	USCGS	07 06 20.0, 19.4S, 175.8W, H = 185 Km, M = 4.2					
		TONGA IS						
		PNS	eP	07 19 48.5				
		LPB	eP	07 19 50.5				100.4
			eL	54				
MAY	30	PNS	P	08 07 00.2	C	1.0	8	
MAY	30	LPB	eP	08 17 54.5				
		PNS	P	08 17 58.2		0.5	4	
MAY	30	PNS	iP	09 38 23.7	C	1.0	33	
		CHA	P	09 38 30.4	C			
		LPB	eP	09 38 34.5				
MAY	30	CCH	P	09 48 30.6				
MAY	30	PNS	P	10 11 20				3.6
			S	12 02				
MAY	30	USCGS	09 54 38.3, 50.1N, 176.6W, H = 30 Km, M = 5.0					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	ePKP	10 13 12.5				114.2
			eL	49				
		PNS	eL	10 49.2				
MAY	30	USCGS	10 00 22.5, 51.8N, 168.6W, H = 33 Km, M = 4.2					
		FOX IS, ALEUTIAN IS						
		LPB	eP	10 14 40.5				109.6
			eL	52				
		PNS	eL	10 52.1				
MAY	30	LPB	eP	10 26 06.5				
		PNS	iP	10 26 07.5	D	0.8	5	
MAY	30	PNS	iP	11 08 23.8	C	0.8	7	
MAY	30	USCGS	13 23 56.4, 11.9N, 143.7E, H = 26 Km, M = 4.7					
		S OF MARIANA IS						
		LPB	ePKP	13 43 42				148.7
			eL	14 34				
		PNS	ePKP	13 43 42.3		0.8	3	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	30	USCGS	14 27 37.4, 24.2N, 108.7W, H = 33 Km, M = 4.8					
		GULF OF CALIFORNIA						
		LPB	eP	14 37 16				55.7
			eL	58				
		PNS	iP	14 37 17.1	C	1.6	28	
			eL	54.3				
MAY	30	LPB	e(P)	15 20 22		0.6	14	
		PNS	P	15 20 27.5	C	1.4	23	
MAY	30	PNS	P	16 36 53				
			i	37 03.6				
MAY	30	USCGS	16 45 07.4, 13.6N, 143.8E, H = 200 Km, M = 4.5					
		S OF MARIANA IS						
		LPB	ePKP	17 04 11				149.0
			eL	55				
		PNS	PKP	17 04 34.9		0.7	2	
			i	40.2				
MAY	30	PNS	eP	17 35 08.5				
MAY	30	PNS	iP	17 56 50.8	D	0.4	3	1.9
			iS	57 13.5				
MAY	30	PNS	iP	18 27 27.8	D	0.6	13	2.0
			S	51.7				
MAY	30	PNS	iP	22 44 47.6	C	0.6	3	3.5
			S	45 29				
MAY	30	PNS	iP	23 19 56.8	C	0.6	3	1.7
			iS	20 18.2				
		CHA	P	23 19 59.5				
MAY	30	TRJ	eP	23 53 42.2				
		LPB	P	23 53 51.3	C	1.0	64	0.4
			S	59				
		CHA	iP	23 53 54.1	D			
		PNS	iP	23 53 55.2	C	0.5	11	
			S	57				
MAY	31	LPB	iP	07 04 26.0	D	0.5	11	2.0
			S	50.0				
		PNS	iP	07 04 26.1	D			
			iS	49.8				
		SCS	iP	07 04 29.3				1.5
			S	48.7				
		CHA	iP	07 04 31.0	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAY	31	LPB	P	08 02 27.7		0.9	25	
			i	32				
		PNS	iP	08 02 28.0	D	0.6	15	1.8
			S	50.4				
		CHA	iP	08 02 29.3	D			
MAY	31	PNS	iP	10 08 43.7		0.6	2	3.9
			S	09 29				
MAY	31	USCGS	10 46 54.6, 12.0S, 166.2E, H = 50 Km, M = 4.7					
		SANTA CRUZ IS						
		LPB	eL	11 43				119.7
		PNS	eL	11 43.8				
MAY	31	USCGS	11 38 39.0, 12.5N, 60.3W, H = 60 Km, M = 5.1					
		WINDWARD IS						
		PNS	P	11 44 42.4		1.5	18	
			ipP	54				
			eSS	51 16				
			eL	53.2				
			ScS	55 34				
		LPB	eP	11 44 44		1.5	88	30.1
			G	52.0				
			eL	55				
		SCS	(P)	11 44 57.2				
MAY	31	LPB	eP	11 51 02.5				
MAY	31	PNS	iP	13 46 52.3	D	0.7	37	2.5
			S	47 22.4				
		CHA	iP	13 46 57.0	D			
		LPB	eP	13 47 05		0.5	13	2.1
			S	47 30				
MAY	31	PNS	P	15 10 34.5				
			e(S)	11 46				
MAY	31	PNS	P	16 31 34.8		0.9	6	
MAY	31	USCGS	16 26 32.5, 11.4N, 125.5E, H = 66 Km, M = 5.0					
		SAMAR, PHILIPPINE IS						
		PNS	PKP	16 46 34.9	C	1.0	7	
			eL	17 45.7				
		LPB	ePKP	16 46 35.5				165.9
			eL	17 45				
MAY	31	PNS	iP	17 56 12.7	C	0.6	6	2.8
			S	46				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	1	PNS	P	01 00 41.0		0.9	12	
		LPB	eP	01 00 41.3				
		CHA	P	01 00 43.7	D			
JUN	1	LPB	eP	02 18 05				
		PNS	eP	01 18 06				
JUN	1	LPB	P	03 06 28.7		0.7	6	
			e(S)	07 12.5				
		CHA	iP	03 06 30.8	D			
		PNS	iP	03 06 33.0	D	0.6	6	
			e(S)	07 10				
JUN	1	USCGS	03 36 19.0, 53.7N, 165.6W, H = 60 Km, M = 5.7					
		FOX IS, ALEUTIAN IS						
		PNS	eP	03 50 21				
			e	29.2				
			SKS	04 01 11				
			eSS	10 00				
			eL	27				
		LPB	eP	03 50 29				107.4
			ePP	54 58				
			eSS	04 10 08				
			eL	27				
JUN	1	LPB	P	04 05 56.6		0.9	12	
		PNS	eP	04 05 58.6		1.5	23	
JUN	1	LPB	P	04 37 32.8	D	0.8	15	2.3
			S	38 00				
		CHA	P	04 37 33.3	C			
		PNS	iP	04 37 34.8	D	0.8	29	2.4
			iS	38 03.4				
JUN	1	LPB	eP	05 28 50				3.0
			S	29 25.5				
		PNS	eP	05 28 58				3.5
			S	29 39				
JUN	1	USCGS	05 57 12.5, 2.9N, 99.0E, H = 171 Km, M = 4.6					
		N SUMATRA						
		LPB	ePKP	06 16 19.5				161.6
			pPKP	17 41.0				
			eL	07 08				
JUN	1	LPB	eP	07 34 02				
		PNS	eP	07 34 03.4				
JUN	1	LPB	eP	09 45 41				
		PNS	eP	09 45 41				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	1	USCGS PERU	09 44 06.9, 9.8S, 75.7W, H = 28 Km, M = 4.4					
		LPB	eP	09 46 21				10.0
			S	48 27				
		PNS	eP	09 46 24.8				
			i	42				
			eL	49.3				
		CHA	eP	09 46 35.7				
JUN	1	LPB	eP	10 30 17				12.3
		PNS	eP	10 30 30				
			eS	32 47				
JUN	1	USCGS NR E CST OF KAMCHATKA	10 16 09.4, 53.9N, 160.6E, H = 28 Km, M = 4.9					
		PNS	PKP	10 35 12.4	0.5	3		
			eL	11 16.8				
		LPB	eL	11 16				127.3
JUN	1	USCGS TUSKEY	10 39 22.8, 36.9N, 29.2E, H = 36 Km, M = 5.0					
		LPB	eP	10 53 27				105.7
			eL	11 29				
JUN	1	USCGS KURILE IS	11 03 52.4, 44.5N, 149.0E, H = 58 Km, M = 5.1					
		LPB	PKP	11 23 13.6	1.0	12		138.3
			eSS	44 03				
			eL	30				
		PNS	PKP	11 23 1[illegible]	1.0	10		
			eSS	44 10				
JUN	1	PNS	eP	16 54 27.7	0.6	4		3.1
			eS	55 03.9				
JUN	1	USCGS CERAM	19 01 16.6, 2.5S, 129.8E, H = 12 Km, M = 4.7					
		PNS	ePKP	19 21 11				154.3
		LPB	eL	20 14				
JUN	1	PNS	eP	19 38 16.2				
JUN	1	PNS	P	20 22 05.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	1	USCGS SOLOMON IS	20 47 45.6, 6.8S, 155.0E, H = 31 Km, M = 5.6					
		LPB	ePKP	21 06 59				131.4
			PKS	10 21.3				
			eL	50				
		PNS	PKP	21 06 59.5	D	1.0	11	
			iPKS	10 21.8				
			eL	50.1				
JUN	1	USCGS SOLOMON IS	21 40 31.7, 6.8S, 154.7E, H = 92 Km, M = 4.8					
		LPB	ePKP	21 59 29				131.4
			eL	22 43				
		PNS	ePKP	21 59 39				
			SSS	22 23 54				
			L	42.9				
JUN	1	USCGS NR E CST OF HONSHU, JAPAN	22 16 31.3, 36.2N, 141.7E, H = 40 Km, M = 4.6					
		LPB	ePKP	20 36 09.3				147.5
			eL	23 27				
		PNS	PKP	22 36 11.8				
			eL	23 26.4				
JUN	2	LPB	P	03 08 05.0		0.8	4	4.0
			eS	51.5				
		PNS	P	03 08 07.2	C	0.6	4	4.1
			eS	54.8				
JUN	2	PNS	P	03 19 12.4				1.9
			S	36				
		LPB	P	03 19 13				
JUN	2	PNS	eP	03 50 00				5.7
			S	51 05.5				
		LPB	eP	03 50 06		0.9	5	6.2
			eS	51 17.5				
JUN	2	PNS	P	03 54 06.4				3.8
			S	51				
		LPB	eP	03 54 12				
JUN	2	LPB	eP	04 17 21.2				
		PNS	P	04 17 23				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	2	USCGS	04 27 33.2, 41.0N, 88.1E, H = 33 Km, M = 4.9					
		S SINKIANG PROV, CHINA						
		PNS	ePKP	04 47 16		0.9	8	
			eL	05 38.2				
		LPB	eP	04 47 16.4		1.0	6	148.7
JUN	2	USCGS	05 10 54.9, 43.6N, 47.5E, H = 28 Km, M = 5.0					
		E CANCARUS						
		LPB	ePKP	05 29 21				120.1
			eL	06 08				
		PNS	ePKP	05 29 43				
			eL	06 08				
JUN	2	USCGS	06 31 28.2, 0.9N, 28.4W, H = 33 Km, M = 5.0					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	06 39 26.2	C	1.1	42.1	
			S	45 40				
			G	49				
			eL	51.7				
		PNS	iP	06 39 28.0	C	1.8	102	
			iS	45 46.7				
			iG	49				
			eL	52				
JUN	2	PNS	eP	07 51 51				
		LPB	eP	07 51 55				
JUN	2	PNS	eP	09 02 08				
		LPB	eP	09 02 09.7				
			i	20.5				
JUN	2	PNS	P	09 25 05.0				2.4
			S	34.5				
		LPB	eP	09 25 08.6		0.6	4	2.1
			S	33.7				
JUN	2	LPB	P	09 51 36.8		0.8	7	
		PNS	iP	09 51 40.8	D	0.7	6	4.6
			eS	52 34				
JUN	2	LPB	e(P)	09 57 22.5				
		PNS	P	09 57 23.9				1.8
			S	46.2				
JUN	2	LPB	eP	11 13 32.4				
		PNS	eP	11 13 34				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	2	USCGS	11 33 43.2, 33.6N, 139.4E, H = 176 Km, M = 3.9					
		S OF HONSHU, JAPAN						
		LPB	ePKP	11 53 06.5				149.1
			eL	12 44				
		PNS	ePKP	11 53 13.8		1.0	8	
JUN	2	LPB	eP	12 07 26				
		PNS	P	12 07 37.4	D	0.8	12	2.5
			eS	08 07				
JUN	2	USCGS	12 03 17.5, 45.2N, 150.1E, H = 33 Km, M = 4.7					
		KURILE IS						
		LPB	eL	13 08				137.2
JUN	2	LPB	eP	13 26 37.5		0.8	9	
		PNS	P	13 26 40				3.5
			S	27 21				
JUN	2	LPB	(P)	13 23 26.7				
		PNS	P	13 23 28.6				
JUN	2	LPB	eP	15 58 16.5				
		PNS	P	15 58 26.9		0.6	7	
JUN	2	PNS	P	20 57 24.6				3.6
			eS	58 07				
JUN	2	PNS	iP	21 39 18.0	C	0.5	5	
JUN	2	PNS	iP	21 49 18.9	C	0.6	5	
JUN	2	LPB	P	22 45 45.8		1.0	16	
		PNS	P	22 45 47.3		0.7	5	
			i	46 18.8				
JUN	2	USCGS	23 35 11.3, 34.8N, 138.1E, H = 36 Km, M = 4.4					
		NR S CST OF HONSHU, JAPAN						
		LPB	eL	00 46				150.1
		PNS	ePKP	23 54 55				
			eL	00 46.4				
JUN	3	PNS	iP	01 58 29.6	D	0.9	10	
		LPB	P	01 58 30		1.0	12	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	3	LPB	P	02 01 44.0		1.0	16	
			i	54.4				
		PNS	P	02 01 45.4	C	0.8	15	
JUN	3	LPB	P	02 08 24.3		0.9	8	
		PNS	P	02 08 28.8		0.6	4	
JUN	3	LPB	P	03 32 41.4		0.5	7	2.8
			S	33 15				
		PNS	P	03 32 41.9		0.5	3	2.7
			S	33 14				
JUN	3	LPB	eP	03 37 17				
		PNS	eP	03 37 19.2				
JUN	3	PNS	P	03 47 04.7				
JUN	3	LPB	P	04 15 37.7		0.8	16	2.7
			S	16 10				
		PNS	P	04 15 41.2	C			3.9
			iS	16 26.2				
JUN	3	LPB	P	05 03 30				
		PNS	P	05 03 33.6	D	0.7	3	
JUN	3	PNS	P	05 56 44.6				2.0
			S	57 09				
		LPB	eP	05 56 46.0				2.0
			S	57 10				
JUN	3	USCGS	06 11 07.8, 10.8S, 79.0W, H = 33 Km, M = 4.6					
		NR CST OF PERU						
		PNS	P	06 13 54.5		1.0	9	
			ipP	14 01.9				
			S	16 24				
			L	16.8				
		LPB	eP	06 13 59				11.9
			S	16 20				
			L	17.6				
		CHA	eP	06 14 07.0				
JUN	3	PNS	eP	07 30 35.7				
		LPB	eP	07 30 38				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	3	USCGS	09 08 56.4, 58.4N, 151.2W, H = 32 Km, M = 5.5					
		KODIAK IS REG						
		PNS	eP	09 22 38				
			eL	56.7				
		LPB	eP	09 22 40.5				100.4
			eL	56				
JUN	3	PNS	iP	09 52 33.5	D	0.7	7	1.8
			S	56				
		LPB	P	09 52 34				2.2
			S	53 00				
JUN	3	USCGS	13 08 06.8, 8.5S, 74.4W, H = 152 Km, M = 5.2					
		PERU-BRAZIL BOR REG						
		PNS	iP	13 10 23.9	C	1.5	83	
			iPP	38.8				
			S	11 57				
			eL	12.5				
		LPB	P	13 10 29.2	C	1.2	46	10.4
			iPP	41.5				
			S	12 02				
			eL	13				
		SCS	P	13 10 45.8				
JUN	3	USCGS	14 26 21.8, 61.6N, 146.4W, H = 26 Km, M = 3.8					
		S ALASKA						
		LPB	eP	14 25 47				99.0
			eL	59				
JUN	3	PNS	P	15 40 10.8				3.7
			eS	53.6				
JUN	3	PNS	P	16 35 57.2		0.6	5	
		LPB	eP	16 36 02				
JUN	3	PNS	P	18 03 47.2		0.8	5	5.7
			i	59.1				
			S	04 52				
		LPB	eP	18 03 51				6.2
			i	04 03.6				
			S	05 02.2				
JUN	4	CHA	P	02 10 29.4				
		LPB	eP	02 10 29.7		0.8	7	
		PNS	P	02 10 33				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	4	PNS	eP	03 12 49.4				
		LPB	eP	03 12 51.2				
JUN	4	LPB	P	04 16 05.3		0.8	6	
		PNS	P	04 16 08.9	D	0.4	4	
JUN	4	USCGS	05 26 44.6, 51.4N, 159.3E, H = 9 Km, M = 4.8					
		OFF E CST OF KAMCHATKA						
		LPB	PKP	05 45 51.8		1.0	12	129.0
			eL	06 28				
		PNS	ePKP	05 45 54.3		1.0	4	
			eSS	06 05 30				
			eL	06 28.4				
JUN	4	PNS	eP	05 59 32.4				
		LPB	eP	05 59 35.5				
JUN	4	USCGS	06 23 38.4, 51.5N, 159.3E, H = 12 Km, M = 4.6					
		OFF E CST OF KAMCHATKA						
		LPB	ePKP	06 42 41				129.0
			eL	07 25				
		PNS	ePKP	06 42 50				
			eSS	07 02 20				
			eL	25.2				
JUN	4	LPB	eP	06 52 58.2				
			(S)	53 21.5				
JUN	4	USCGS	06 34 26.3, 51.5N, 159.3E, H = 33 Km, M = 4.5					
		OFF E CST OF KAMCHATKA						
		PNS	ePKP	06 53 31.7				
			eL	07 35.8				
		LPB	eL	07 35				129.0
JUN	4	PNS	iP	07 15 47.6	D	1.0	12	
		LPB	P	07 15 48				
JUN	4	USCGS	07 20 07.6, 9.8S, 160.0E, H = 78 Km, M = 4.5					
		SOLOMON IS						
		LPB	eL	08 19				125.3
		PNS	eL	08 19.8				
JUN	4	USCGS	09 39 53.7, 52.7N, 173.4W, H = 156 Km, M = 4.4					
		ANDREANOF IS, ALEUTIAN IS						
		PNS	eL	10 33				
		LPB	eL	10 34				112.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	4	USCGS	10 00 57.4, 62.1N, 149.6W, H = 13 Km,					
		CENTRAL ALASKA						
		PNS	eP	10 14 44				100.8
JUN	4	LPB	P	16 33 29		0.8	23	6.6
			i	32				
			S	34 43.8				
		PNS	iP	16 33 32.6	C	0.8	16	7.1
			S	34 52				
JUN	4	USCGS	18 16 27.1, 15.7S, 75.6W, H = 33 Km, M = 4.3					
		NR CST OF PERU						
		PNS	iP	18 18 12.6	C	0.6	13	
			eS	19 25				
			eL	20.1				
		LPB	eP	18 18 14.6				6.7
			eL	20				
JUN	4	USCGS	18 28 39.6, 15.5S, 75.7W, H = 38 Km, M = 4.7					
		NR CST OF PERU						
		PNS	P	18 30 23.7	C	0.8	26	
			S	31 42				
			L	32.3				
		LPB	P	18 30 20		1.0	100	6.8
			i	34				
			S	31 43				
			L	33.0				
JUN	4	PNS	P	20 16 05.4		0.9	5	
JUN	4	PNS	iP	20 41 26.3	D			2.0
			iS	50				
		LPB	iP	20 41 26.8	D			1.9
			iS	49.8				
JUN	4	LPB	eP	21 43 21.8		1.0	12	
		PNS	iP	21 43 25.1	C	0.8	8	
			i	41.2				
JUN	4	PNS	eP	23 24 07		1.0	8	
		LPB	eP	23 24 11.2		0.5	4	
JUN	5	USCGS	01 21 20.2, 21.3S, 174.5W, H = 33 Km, M = 5.2					
		TONGA IS						
		PNS	eP	01 35 00	C	1.5	15	
			pP	10.0				
			i(PP)	39 12.0				
			SKS	45 46				
			L	02 07.5				
		LPB	eP	01 35 00.4				98.2
			S	45 40				
			L	07 07.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	5	LPB	eP	02 18 24				
		PNS	P	02 18 27.2		0.8	5	
JUN	5	LPB	eP	03 21 30				
		PNS	P	03 21 34		1.8	33	
JUN	5	PNS	P	04 20 38.0				
		LPB	eP	04 20 44.2				
			e	51.0				
JUN	5	LPB	P	04 58 40.6	C	0.8	16	8.1
			eS	05 00 12.8				
		PNS	iP	04 58 44.2	C	0.8	11	8.0
			S	05 00 14				
JUN	5	USCGS	05 16 29.5, 66.6M, 148.7W, H = 33 Km, M = 3.9					
		ALASKA						
		LPB	eP	05 29 54				101.4
			eL	06 14				
JUN	5	PNS	eP	08 10 16.4				
		LPB	eP	08 10 20.5				
JUN	5	USCGS	10 34 06.8, 55.9S, 27.7W, H = 33 Km, M = 5.1					
		S SANDWICH IS REG						
		LPB	P	10 42 59.8		1.0	14	49.6
			eL	57				
		PNS	iP	10 43 02.2	C	0.8	16	
JUN	5	USCGS	11 09 06.0, 19.7N, 144.3E, H = 412 Km, M = 4.9					
		MARIANA IS						
		PNS	ePKP	11 28 04		1.3	10	
			PKP2	08.0				
			pPKP	29 43.8				
		LPB	eP	11 28 05		1.1	15	148.5
			PKP2	08.0				
			pPKP	29 43.8				
JUN	5	LPB	P	12 21 37.5		0.9	34	
		PNS	iP	12 21 39.0	C	1.1	30	
		TRJ	iP	12 22 03.9				2.7
			S	36.2				
JUN	5	USCGS	11 18 13.0, 18.4N, 121.2E, H = 33 Km, M = 4.6					
		LUZON, PHILIPPINE IS						
		LPB	ePKP	12 38 12				162.6
			eL	39				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	5	PNS	P	13 20 56.4		0.8	4	3.4
			S	21 36.5				
		LPB	eP	13 21 01.4				3.2
			eS	38				
JUN	5	LPB	eP	13 56 34.5				
		PNS	eP	13 56 35				
JUN	5	PNS	P	14 39 05				2.1
			S	30				
JUN	5	USCGS	14 35 18.9, 5.3S, 133.9E, H = 6 Km, M = 4.4					
		AROE IS REG						
		PNS	PKP	14 55 11.4	C	1.6	71	
			pPKP	28				
			eL	15 46.3				
		LPB	PKP	14 55 12		1.0	46	149.0
			pPKP	28				
			eL	15 46				
JUN	5	PNS	P	16 44 25.9	C	0.6	4	2.0
			S	50				
		LPB	P	16 44 28		0.8	10	2.0
			S	52.5				
JUN	5	USCGS	16 38 36.2, 51.5N, 159.1E, H = 33 Km, M = 4.5					
		OFF E CST OF KAMCHATKA						
		LPB	eL	17 40				129.0
		PNS	eL	17 40				
JUN	5	USCGS	17 02 25.8, 41.1N, 105.0W, H = 33 Km,					
		WYOMING						
		PNS	eL	18 06.5				
		LPB	ePKP	17 21 37				135.6
			eL	18 06				
JUN	5	LPB	P	20 54 25.6		1.0	11	3.6
			i	40				
			S	55 08				
		PNS	iP	20 54 30.8	C	1.3	36	4.1
			i	38.0				
			S	55 19				
JUN	5	LPB	P	21 18 03.4		1.0	20	3.4
			S	43.8				
		PNS	P	21 18 06.0				4.1
			S	54				
JUN	5	LPB	eP	21 24 37.7				
		PNS	eP	21 24 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	5	PNS	P	22 16 40				
		LPB	P	22 16 44		0.5	11	
JUN	5	PNS	P	22 43 42.2				3.5
			S	44 23.6				
		LPB	eP	22 43 44				2.3
			S	44 12.5				
JUN	5	LPB	e	22 40 56				
			eL	23 09				
JUN	5	USCGS	22 27 42.0, 34.7N, 141.1E, H = 46 Km, M = 3.7					
		OFF E CST OF HONSHU, JAPAN						
		PNS	ePKP	22 47 22.6		0.9	3	
		LPB	ePKP	22 47 27				148.0
			eL	38				
JUN	5	CHA	iP	23 45 52.3	D			
		PNS	P	23 45 47		0.6	13	2.0
			S	46 11				
		LPB	P	23 45 51.0		0.9	31	2.2
			S	46 17				
JUN	6	LPB	eP	00 39 30				
		PNS	eP	00 39 33.2				
		TRJ	eP	00 40 03.1				
JUN	6	LPB	P	03 01 13.7		0.7	11	
		CHA	eP	03 01 14.9				
		PNS	iP	03 01 16.3	C	0.6	9	2.1
			eS	01 41				3.1
		TRJ	eP	03 01 49.0	C			
			S	02 25.2				
JUN	6	PNS	eP	03 08 51.5				
		LPB	eP	03 08 51.5				
JUN	6	PNS	eP	04 27 36				2.1
			S	28 01				
		LPB	eP	04 27 40				2.3
			S	28 06.6				
JUN	6	PNS	eP	04 35 40.6				4.2
			S	36 30				
		LPB	eP	04 35 48.7				4.0
			eS	36 34.5				
JUN	6	PNS	eP	05 33 26.8				
		LPB	eP	05 33 27.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	6	LPB	P	05 33 27				
			i	57				
		TRJ	iP	05 33 50.0	C			
		PNS	P	05 33 58.6		0.8	4	
JUN	6	LPB	P	05 45 40		0.7	4	
		PNS	P	05 45 41.2	D	0.7	8	
JUN	6	PNS	iP	06 12 26.3	D	1.0	18	2.0
			S	50.5				
		LPB	P	06 12 29.5				
JUN	6	USCGS	05 54 45.4, 11.5S, 167.4E, H = 15 Km, M = 4.6					
		SANTA CRUZ IS						
		LPB	ePKP	06 13 28.4				118.7
			eL	51				
JUN	6	USCGS	06 35 16.1, 6.2S, 152.0E, H = 58 Km, M = 5.4					
		NEW BRITAIN REG						
		LPB	ePKP	06 53 59				134.0
			e	54 31.8				
			eL	07 39				
		PNS	ePKP	06 54 00.3				
			e	30.7				
			eL	07 39.1				
JUN	6	LPB	P	07 04 15.7		0.8	7	
JUN	6	USCGS	06 48 51.8, 15.0N, 119.9E, H = 61 Km, M = 4.5					
		LUZON, PHILIPPINE IS						
		PNS	ePKP	07 08 53		1.0	5	
			eL	08 11.9				
		LPB	ePKP	07 08 59		1.0	10	176.3
			eL	08 12				
JUN	6	LPB	eP	07 10 15.7		1.0	6	
		PNS	P	07 10 20				
JUN	6	LPB	P	08 22 18.0		0.9	17	5.1
			S	23 16.7				
		PNS	iP	08 22 18.4	D	0.4	3	5.0
			S	23 16				
		TRJ	P	08 22 39.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	6	LPB	P	08 24 21.0	P			2.4
			i	29.2				
			S	50.3				
		PNS	iP	08 24 22.0				2.4
			S	50.7				
		TRJ	iP	08 24 59.3	D			
JUN	6	LPB	eP	09 29 21.2				
		PNS	eP	09 29 36.8				
JUN	6	USCGS	09 29 54.3, 10.9S, 165.4E, H = 27 Km, M = 4.8					
		SANTA CRUZ IS						
		LPB	ePKP	09 48 43.2				120.5
			eL	10 27				
		PNS	eL	10 27.1				
JUN	6	USCGS	09 30 26.7, 10.8S, 165.3E, H = 33 Km, M = 5.1					
		SANTA CRUZ IS						
		PNS	ePKP	09 49 18.3				
			eL	27				
		LPB	ePKP	09 49 18.4		1.1	17	120.5
			eL	10 27				
JUN	6	TRJ	P	13 08 37.1				
		PNS	P	13 08 57.3		0.8	4	
JUN	6	LPB	eP	13 25 03.5				
		PNS	iP	13 25 06.0	C	1.0	12	
JUN	6	PNS	P	13 54 54.9		0.8	4	
JUN	6	USCGS	14 22 04.2, 25.3S, 70.1W, H = 52 Km, M = 4.2					
		NR CST OF N CHILE						
		LPB	eP	14 24 15				9.0
		TRJ	iP	14 23 35.4				
		PNS	P	14 24 18.7				
			ePPP	33.7				
JUN	6	USCGS	16 09 47.3, 19.6S, 170.0E, H = 28 Km, M = 4.6					
		NEW HEBRIDES IS						
		LPB	ePKP	16 27 24				112.3
			eL	17 01				
JUN	6	PNS	iP	16 42 38.0	C	0.7	3	
JUN	6	PNS	P	17 06 10.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	6	USCGS	17 12 57.1, 48.2N, 119.1W, H = 33 Km, M = 3.9					
		WASHINGTON						
		LPB	eL	17 50				78.7
JUN	6	LPB	eP	19 10 28.8		0.7	8	
		PNS	P	19 10 32.5		0.6	6	
JUN	6	PNS	P	19 34 58.0		0.5	2	
			(S)	36 35				
		LPB	eP	19 35 02				
JUN	6	LPB	eP	20 40 10.7		0.5	7	
		PNS	eP	20 40 12		0.6	6	3.6
			S	53.6				
JUN	6	PNS	P	22 11 51.4		0.8	7	
JUN	6	TRJ	iP	22 40 51.3				
JUN	6	PNS	eP	22 42 47				
			e(S)	44 05.6				
		LPB	eP	22 42 48.2		0.5	4	
JUN	6	LPB	eP	22 55 17.5				7.4
			eS	56 41.5				
		PNS	eP	22 55 20				7.7
			S	56 47.4				
JUN	6	PNS	P	23 00 16				4.1
			eS	01 04				
		LPB	P	23 00 17.7				4.3
			e	36.5				
			eS	01 07.5				
JUN	6	LPB	eP	23 12 28				
		PNS	P	23 12 34.8		0.6	2	4.0
			S	13 22				
JUN	6	USCGS	23 39 28.3, 38.4S, 73.3W, H = 33 Km, M = 4.4					
		NR CST OF CENTRAL CHILE						
		TRJ	P	23 43 44.0				
		LPB	eP	20 44 27.3				22.2
			i	35				
			eL	50				
		PNS	P	23 44 30.0		1.0	7	
			eL	55.6				
JUN	7	PNS	P	00 08 09.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	7	PNS	P	00 30 29		1.4	13	
		LPB	eP	00 30 30				
			i	46.2				
JUN	7	PNS	eP	00 37 26				
		LPB	eP	00 37 30.6				
JUN	7	USCGS	01 21 54.4, 38.5S, 73.7W, H = 33 Km, M = 4.2					
		NR CST OF CENTRAL CHILE						
		LPB	P	01 26 57.7		0.9	8	22.4
		TRJ	P	01 26 14.9	C			
		PNS	iP	01 27 00	C	0.9	8	
			eS	30 43				
			eL	32.9				
JUN	7	PNS	iP	01 28 24.7	D	0.6	3	
		LPB	P	01 28 25				
		TRJ	P	01 29 09.2				
JUN	7	TRJ	P	01 38 32.7				
		LPB	eP	01 38 37				4.5
			S	39 29.5				
		PNS	eP	01 38 49.4				4.5
			S	39 41.6				
JUN	7	TRJ	eP	03 03 49.4	C			
		LPB	P	03 04 30.6		0.8	9	5.9
			S	05 39.0				
		CHA	P	03 04 32.6	C			
		PNS	P	03 04 34.0		0.8	7	6.1
			S	05 44				
JUN	7	LPB	eP	04 08 06.5		1.0	8	
JUN	7	PNS	iP	06 37 38.0	C	1.4	65	3.2
			S	38 15				
		CHA	iP	03 37 42.3	C			
		LPB	P	06 37 43.6	C	1.0	26	4.2
			S	38 33				
JUN	7	USCGS	07 06 33.2, 17.1N, 99.9W, H = 47 Km, M = 4.4					
		GUERRERO, MEXICO						
		PNS	P	07 14 49		1.2	8	
			i	54.4				
			eS	21 35				
			eL	28.4				
		LPB	P	07 14 52.5				45.9
			i	57.5				
			S	21 42				
			L	29				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	7	PNS	P	07 22 18.6				
			S	42				1.6
		LPB	eP	07 22 22.5				
			eS	50				2.3
JUN	7	TRJ	P	07 30 10.9				
			S	35.2				2.0
JUN	7	PNS	P	07 33 16.0	D	1.0	5	
		LPB	P	07 33 17		1.0	10	
JUN	7	TRJ	eP	08 25 08.9				
		LPB	eP	08 25 14.3				
JUN	7	LPB	eP	08 34 33.5				
		PNS	eP	08 34 40.5				
			eS	36 10				8.8
JUN	7	PNS	iP	09 01 34.9	C			2.0
			iS	59.0				
		LPB	P	09 01 35.4	C	0.8	25	2.1
			S	02 00				
		CHA	iP	09 01 36.1	C			
JUN	7	USCGS	09 57 59.1, 20.7S, 174.9W, H = 33 Km, M = 4.3					
		TONGA IS						
		LPB	eP	10 11 25.5				99.0
			eL	45				
		PNS	eL	10 45.1				
JUN	7	USCGS	11 39 49.1, 1.0S, 78.7W, H = 26 Km, M = 4.4					
		ECUADOR						
		LPB	P	11 44 01.7				18.5
			i	08.5				
			PP	21				
			eS	47 20.5				
			eL	50				
		PNS	P	11 44 02.1		1.6	27	
			i	11.4				
			PP	20				
			eS	47 41				
			L	50.1				
		TRJ	P	11 44 06.2	D			
JUN	7	TRJ	P	14 18 32				
		PNS	P	14 18 47				
JUN	7	SCS	eP	16 08 38.8				
		PNS	P	16 08 51.9				
			iPP	09 00.3				
			S	51				
		LPB	eP	16 08 56				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
			PP	09 01				
			eS	54				
		CHA	P	16 09 01.7				
JUN	7	USCGS	15 54 26.4, 34.2N, 26.4E, H = 9 Km, M = 4.7					
		CRETE						
		LPB	eP	16 08 16				103.0
			eL	43				
		CCH	eP	16 09 01.7				
		PNS	eSS	16 27 33				
			eL	43.6				
JUN	7	USCGS	16 19 27.2, 48.0N, 14.3E, H = 33 Km,					
		AUSTRIA						
		LPB	eP	16 32 49.5				97.1
			eL	17 05				
		PNS	eL	17 05.7				
JUN	7	USCGS	17 01 12.9, 49.4N, 97.2E, H = 33 Km, M = 5.0					
		USSR-MONGOLIA BOR REG						
		PNS	iPKP	17 20 47.0	C	1.0	14	
			eL	18 10				
		LPB	PKP	17 20 48.3		1.1	25	145.0
			eL	18 10				
		TRJ	PKP	17 20 57.9	C			
JUN	7	USCGS	17 44 14.3, 10.7S, 162.1E, H = 39 Km, M = 4.7					
		SOLOMON IS						
		LPB	ePKP	18 03 34				123.3
			eL	43				
		PNS	eL	18 42.8				
JUN	7	PNS	iP	18 44 10.9	D	0.5	10	1.8
			S	33				
		LPB	eP	18 44 12.5		0.5	6	2.2
			S	38.4				
JUN	7	USCGS	18 16 31.4, 47.5N, 155.4E, H = 29 Km, M = 5.2					
		KURILE IS REG						
		LPB	ePKP	18 35 40				132.3
			eL	19 19				
		PNS	ePKP	18 35 44				
			eL	49.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	7	USCGS	18 44 40.8, 5.9S, 147.4E, H = 113 Km, M = 4.8					
		NEW GUINEA REG						
		PNS	ePKP	19 03 51.8				
			eL	50.3				
		LPB	eL	19 50				138.5
JUN	7	CCH	eP	19 05 41.7				
		PNS	P	19 05 47.5				3.2
			S	06 25				
JUN	7	PNS	P	19 14 33.3		0.8	3	
		LPB	eP	19 14 33.5		0.6	7	
JUN	7	LPB	eP	20 34 41				
		PNS	iP	20 34 44.0		1.0	5	
			i	35 06				
			e(S)	59				
JUN	7	LPB	eP	21 03 19				
		PNS	P	21 03 29.2		0.5	1	7.7
			S	04 56.6				
JUN	7	PNS	iP	21 50 40.9	C	0.9	8	
		CHA	P	21 50 41.7	C			
		LPB	P	21 50 43.2		1.0	10	
JUN	7	LPB	eP	22 31 33.4				
		PNS	iP	22 31 37.3	D	0.6	6	
		CHA	P	22 31 36.6	D			
JUN	7	CCH	S	22 40 37.9				
		PNS	eP	22 41 18.5		0.4	1	3.1
			S	54.4				
JUN	7	USCGS	22 35 16.1, 26.9N, 58.6E, H = 41 Km, M = 4.4					
		S IRAN						
		LPB	ePKP	22 54 16.5				129.5
		PNS	ePKP	22 54 27.5				
JUN	8	SCS	eP	00 58 15.9				
		PNS	iP	00 58 34.4	C	0.5	5	4.9
			S	59 30				
		LPB	P	00 58 34.7		0.5	3	5.0
			i	37.5				
			S	59 32.5				
		CHA	P	00 58 36.0	C			
		CCH	eP	00 58 37.7	C			
		TRJ	P	00 58 39.7	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	8	LPB	eP	02 30 18.5				
JUN	8	PNS	P	03 05 01.9	C	0.6	5	3.1
			S	41				
		LPB	P	03 05 02.0				3.2
			S	40.2				
		CHA	P	03 05 04.2				
		CCH	P	03 05 14.6	C			
JUN	8	LPB	eP	06 59 12.8				
		PNS	eP	06 59 13.6				
JUN	8	USCGS	07 01 54.6, 6.1N, 125.8E, H = 158 Km, M = 5.4					
		MINDANAO, PHILIPPINE IS						
		TRJ	ePKP	07 21 28.4				
		LPB	ePKP	07 21 38.5				163.2
			ePKP2	22 31.5				
		PNS	ePKP	07 21 39				
JUN	8	USCGS	08 19 17.1, 7.1S, 154.7E, H = 34 Km, M = 4.9					
		SOLOMON IS						
		LPB	ePKP	08 38 33				131.4
		PNS	eL	09 21.8				
JUN	8	PNS	eP	08 38 55				
JUN	8	LPB	P	09 14 13		0.5	10	
JUN	8	TRJ	iP	09 51 02.4	D			
		LPB	P	09 52 02		0.6	4	7.3
			eS	53 25				
		PNS	P	09 52 03.5				7.6
			S	53 30				
JUN	8	PNS	eP	11 00 03				5.5
			S	01 06.5				
		LPB	eP	11 00 07				
JUN	8	PNS	P	11 39 36.3		1.2	22	
		CHA	P	11 39 43.2				
		LPB	P	11 39 43.5		0.J	75	
			i	51				
		CCH	P	11 40 08.6				

NTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
N	8	USCGS	12 01 57.3, 4.6N, 127.1E, H = 73 Km, M = 5.3					
		TALAUD IS						
		LPB	ePKP	12 21 52		2.0	108	169.8
			PKP2	23 11				
			eL	13 21				
		PNS	ePKP	12 21 52.6	D	2.0	84	
			i	22 36.9				
			eL	13 21.J				
		CCH	ePKP	12 21 54.8				
		TRJ	PKP	12 21 59.2	D			
N	8	USCGS	13 22 13.7, 21.4S, 170.3E, H = 90 Km, M = 5.3					
		YOYALTY IS REG						
		LPB	ePKP	13 40 28				111.5
			ePS	51 23				
			eL	14 14.8				
		PNS	eSS	13 56 53				
			L	14 14.8				
N	8	USCGS	13 51 23.3, 5.3N, 121.0E, H = 104 Km, M = 5.0					
		PHILIPPINE IS REG						
		LPB	ePKP	14 11 10				161.0
			eL	15 07				
		PNS	ePKP	14 11 12		1.6	16	
			eL	15 07.1				
		TRJ	ePKP	14 11 12.6				
N	8	PNS	P	14 28 46.7		1.0	11	
		CHA	P	14 28 48.8				
		LPB	P	14 28 53.3		0.7	40	
N	8	PNS	P	15 13 14.0	D			1.9
			S	37				
		LPB	eP	15 13 15				
		CHA	P	15 13 17.5	C			
N	8	PNS	eP	15 27 14.9				
N	8	CCH	P	15 46 52.7				
N	8	USCGS	18 00 00.4, 11.3S, 76.9W, H = 145 Km, M = 4.3					
		PERU						
		PNS	P	18 12 16.2				
			i	21.2				
			eS	14 15				
		LPB	eP	18 12 20.3				10.0
			e	26.7				
		CHA	P	18 12 20.4				
		CCH	eP	18 12 50.4				
N	8	PNS	P	20 22 10.0		0.7		

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	8	TRJ	iP	23 50 07.7	D			
		CCH	P	23 50 37.5				
		LPB	P	23 50 50.3		0.6	23	5.8
			S	51 56				
		CHA	iP	23 50 52.2	D			
		PNS	iP	23 50 53.8	C	1.0	31	5.9
			S	52 00.4				
JUN	9	USCGS	01 00 29.9, 18.6S, 71.5W, H = 35 Km, M = 4.2					
			OFF CST OF N CHILE					
		PNS	P	01 01 25.9				
			i	31.0				
		LPB	P	01 01 28.8		0.9	38	3.8
			i	37				
			eS	02 10				
		CHA	iP	01 01 31.4	C			
		CCH	P	01 01 46.9	C			
		TRJ	iP	01 02 11.5	D			
JUN	9	USCGS	01 53 17.9, 3.9S, 151.3E, H = 16 Km, M = 4.7					
			NEW IRELAND REG					
		LPB	ePKP	02 12 41				136.0
		PNS	eL	02 58				
JUN	9	USCGS	02 09 46.6, 44.1N, 140.9E, H = 188 Km, M = 4.1					
			E SEA OF JAPAN					
		PNS	ePKP	02 29 01				
			eL	02 17.4				
		LPB	ePKP	02 29 02				143.0
JUN	9	TRJ	iP	04 36 45.6	C			
JUN	9	USCGS	05 31 39.5, 6.9S, 125.4E, H = 554 Km, M = 4.7					
			BANDA SEA					
		LPB	eL	06 43				153.0
JUN	9	USCGS	05 34 34.1, 37.1N, 142.5E, H = 35 Km, M = 4.2					
			OFF E CST OF HONSHU, JAPAN					
		LPB	ePKP	05 54 11.8		1.0	10	146.2
		PNS	ePKP	05 54 14				
JUN	9	USCGS	05 44 36.7, 11.3S, 79.4W, H = 33 Km, M = 4.0					
			OFF CST OF PERU					
		PNS	eP	05 47 29.4				
			L	50.7				
		LPB	eP	05 47 31				12.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	9	USCGS	07 07 40.8, 59.1S, 25.9W, H = 33 Km,					
			S SANDWICH IS REG					
		TRJ	eP	07 16 07.7				
		LPB	eP	07 16 46				52.1
			eL	33				
		PNS	eP	07 16 54.9				
			eL	32.9				
JUN	9	PNS	P	09 37 59.4		1.8	32	
		LPB	eP	09 38 05.2				
JUN	9	PNS	eP	10 17 26.7				
JUN	9	USCGS	10 16 02.3, 18.5S, 177.7W, H = 546 Km, M = 4.1					
			FIJI IS REG					
		PNS	ePKP	10 53 52				119.3
JUN	9	USCGS	11 21 57.7, 4.0N, 126.0E, H = 55 Km, M = 5.0					
			TALAUD IS					
		PNS	ePKP	11 41 52.8	D	1.0	6	
			e	42 14				
			eL	12 38.2				
		LPB	ePKP	11 41 57		1.0	10	161.0
JUN	9	PNS	P	12 49 36.9	D	0.9	6	1.0
			S	50				
JUN	9	USCGS	12 41 22.0, 52.4S, 143.5E, H = 33 Km, M = 5.1					
			W OF MACQUARIE IS					
		LPB	eL	13 32				106.0
		PNS	eL	13 32.2				
JUN	9	PNS	iP	16 43 31.8	C	0.8	9	
		LPB	P	16 43 36.7		0.9	19	
JUN	9	USCGS	17 05 58.9, 20.6S, 178.6W, H = 546 Km, M = 4.5					
			FIJI IS REG					
		LPB	eL	18 53				102.4
		PNS	eP	18 18 53.8				
			eL	53.6				
JUN	9	PNS	P	19 40 41.4	D	0.5	7	2.0
			S	41 05				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	9	USCGS	19 24 06.8, 125.7E, H = 119 Km, M = 5.0					
		TALAUD IS						
		LPB	PKP	19 43 30				160.1
			eL	40				
		PNS	ePKP	19 43 56		1.8	37	
			eL	20 40				
JUN	9	PNS	P	22 17 49.4				2.3
			S	18 16.5				
JUN	9	USCGS	22 12 13.7, 9.9N, 125.9E, H = 113 Km, M = 4.7					
		MINDANAO, PHILIPPINE IS						
		LPB	ePKP	22 31 27.3				164.9
		PNS	ePKP	22 32 00.7				
			eL	23 30				
JUN	9	LPB	P	22 39 04.5		1.0	18	
		PNS	P	22 39 06.3		0.8	3	
JUN	9	PNS	P	23 37 59.2	C	1.2	10	
JUN	9	USCGS	23 37 56.0, 18.0S, 168.1E, H = 98 Km,					
		NEW HEBRIDES IS						
		LPB	ePKP	23 56 27				114.6
			eL	24 36				
JUN	10	USCGS	02 30 38.7, 16.8N, 95.7W, H = 57 Km, M = 3.6					
		OAXACA, MEXICO						
		LPB	eL	02 49				41.8
		PNS	L	02 50.9				
JUN	10	TRJ	iP	03 19 00	D			
		LPB	P	03 19 55.4		0.6	14	
		CHA	eP	03 19 55.5				
		PNS	iP	03 19 59.1	D	0.8	10	
JUN	10	USCGS	03 49 47.2, 52.7N, 169.1W, H = 32 Km, M = 4.4					
		FOX IS, ALEUTIAN IS						
		LPB	eL	04 42				116.0
		PNS	eL	04 42.4				
JUN	10	LPB	P	04 09 52.2		1.0	10	
		PNS	iP	04 09 55.0	C	0.9	9	
			e	10 27				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	10	TRJ	P	04 29 02.2	D			
		LPB	eP	04 29 57.6				
		PNS	iP	04 30 01.2	C	0.8	4	7.4
			S	31 25.4				
JUN	10	LPB	eP	04 49 08				
		PNS	eP	04 49 08				
JUN	10	USCGS	05 26 44.4, 41.3S, 73.6W, H = 37 Km, M = 5.7					
		NR CST OF S CHILE						
		TRJ	iP	05 31 30.0	D			
		CCH	iP	05 32 05.7	D			
		LPB	P	05 32 09.8	D	0.9	42	24.8
			PcP	35 43				
			eS	36 36				
			eL	40.0				
		CHA	P	05 32 11.2				
		PNS	P	05 32 11.3	D	1.8	91	
			i	23.2				
			iPcP	35 42.7				
			S	36 35				
			eL	39				
JUN	10	PNS	P	05 45 50.2	C	0.9	41	
JUN	10	USCGS	05 45 52.8, 3.6S, 12.1W, H = 12 Km, M = 5.1					
		N OF ASCENSION IS						
		CCH	P	05 55 19.0				
		LPB	P	05 55 36.5		1.1	25	56.7
			eS	06 03 33				
			L	06 12.5				
		PNS	P	05 55 39.0		1.2	26	
			ipP	50.6				
			PP	57 46.8				
			eG	06 09.3				
			eL	06 13.1				
JUN	10	USCGS	06 32 43.0, 49.5N, 97.3E, H = 33 Km, M = 4.5					
		USSR-MONGOLIA BOR REG						
		LPB	ePKP	06 52 14				145.2
			eL	07 40				
		PNS	PKP	06 52 17.1		1.0	6	
			eL	07 41.4				
		TRJ	ePKP	06 52 28.6				
JUN	10	TRJ	eP	07 06 57.4				
		PNS	P	07 07 03				4.3
			eS	52.6				
		LPB	eP	07 07 06				3.0
			S	41				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	10	TRJ	P	07 19 48.9	D			
		LPB	eP	07 19 55		1.0	8	
		PNS	P	07 19 57.1	C	0.5	2	
JUN	10	TRJ	iP	07 34 59.3	D			
		PNS	P	07 35 59		0.6	4	
			e(S)	37 25				
JUN	10	TRJ	eP	10 11 28.9				
		PNS	eP	10 11 56.7				
JUN	10	PNS	eP	10 36 54.6				
JUN	10	LPB	eP	11 58 01				
		PNS	eP	11 58 02				
JUN	10	PNS	P	13 31 29.0	C	0.6	3	2.0
			eS	53				
JUN	10	USCGS	13 58 53.3, 19.3S, 178.2W, H = 596 Km, M = 5.1					
		FIJI IS REG						
		LPB	P	14 11 51.5				105.3
			eSKS	21 46				
			eL	48				
		PNS	P	14 11 52.0		0.8	4	
			(PP)	16 11.3				
			eSKS	22 11.3				
			eL	47.9				
JUN	10	USCGS	14 23 03.2, 11.1N, 62.4W, H = 110 Km, M = 4.6					
		WINDWARD IS						
		PNS	eP	14 28 45.4		1.0	5	
		LPB	eP	14 28 46.5		1.0	12	28.5
			eL	37				
JUN	10	PNS	P	16 35 58.2		0.7	4	
JUN	10	USCGS	16 55 05.1, 18.8S, 69.6W, H = 118 Km, M = 4.1					
		N CHILE						
		LPB	iP	16 55 47.9	D	0.9	22	2.7
			S	56 19.5				
		PNS	iP	16 55 49.0	C			
			S	56 21				
		CCH	P	16 55 57.9	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	10	CCH	P	17 23 02.2	D			
		LPB	P	17 23 19.5		0.7	24	5.2
			S	24 20				
		PNS	iP	17 23 22.5	D	0.8	21	5.7
			iS	24 28				
JUN	10	USCGS	18 04 39.6, 16.4N, 46.6W, H = 33 Km, M = 4.9					
		N ATLANTIC RIDGE						
		PNS	eP	18 12 05.3		1.0	24	
			PP	13 37.7				
			iS	18 16				
			G	21				
			eL	23.9				
		LPB	P	18 12 06.2		1.0	35	39.5
			PP	13 37				
			eS	18 04				
			eL	23				
JUN	10	PNS	eP	18 20 00.5		0.7	4	
JUN	10	PNS	eP	20 02 25				4.0
			S	03 11				
JUN	10	LPB	P	20 09 48.5				
		PNS	P	20 09 53		0.6	2	
JUN	10	PNS	iP	22 17 41.0	C	0.6	9	3.9
			S	18 25.8				
		LPB	P	22 17 47		1.0	10	
JUN	11	LPB	eP	00 00 32.5				
		PNS	P	00 00 34		0.6	2	
		TRJ	P	00 00 47.2				
JUN	11	PNS	eP	03 01 44.6				3.3
			eS	02 23.7				
		LPB	eP	03 01 47				
JUN	11	TRJ	eP	03 32 44.3				
		PNS	P	03 32 49.2				
JUN	11	LPB	P	03 33 02.0		1.0	12	
		PNS	iP	03 33 04.7	D	0.7	9	1.9
			S	27.6				
JUN	11	LPB	eP	04 59 16				
		PNS	eP	04 59 17				6.8
			eS	05 00 34				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	11	USCGS VENEZUELA	05 29 03.4, 9.6N, 70.8W, H = 33 Km, M = 4.2					
		PNS	P	05 25 33.3		0.8	5	
			L	32.6				
			(ScS)	36 20				
		LPB	P	05 25 35.8		0.9	5	25.9
			ScS	36 15				
JUN	11	USCGS GREECE	05 35 03.7, 38.1N, 22.9E, H = 37 Km, M = 4.4					
		PNS	eL	06 22.6				101.2
		LPB	eL	06 23				
JUN	11	PNS	iP	05 38 44.1				2.0
			iS	39 08.4				
		LPB	P	05 38 47.5		0.7	6	2.0
			S	39 12.0				
JUN	11	PNS	P	06 22 12.2		0.8	3	3.8
			i	15.4				
			iS	55.8				
		LPB	eP	06 22 18.2				4.4
			iS	23 09.5				
JUN	11	USCGS BRAZIL-PERU BOR REG	06 53 29.8, 8.2S, 74.2W, H = 181 Km, M = 4.0					
		PNS	eP	06 55 52				
			eS	57 45.7				
		LPB	eP	06 55 53				10.2
			S	57 47				
JUN	11	USCGS KURILE IS	11 50 17.4, 47.5N, 154.4E, H = 36 Km, M = 4.9					
		LPB	ePKP	12 09 33				133.1
			eL	53				
		PNS	eL	12 53.5				
JUN	11	USCGS S OF BOLI IS	15 21 06.5, 10.8S, 115.1E, H = 46 Km, M = 5.1					
		TRJ	PKP	15 40 52.2				
		PNS	PKP	15 40 58.0	C			
			i(pPKP)	41 04.6				
		CCH	PKP	15 41 01.3	C			
		LPB	PKP	15 41 04		1.3	34	152.0
			iPKP2	27				
			eL	16 33				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	11	LPB	P	16 25 13.3	C	1.0	26	
JUN	11	USCGS OFF E CST OF HONSHU, JAPAN	16 19 26.1, 36.6N, 142.2E, H = 41 Km, M = 4.0					
		LPB	ePKP	16 39 10				146.7
			eL	17 30				
JUN	11	PNS	iP	17 30 41.1	D	0.4	4	
		TRJ	eP	17 29 42.2				
JUN	11	PNS	ePKP	18 56 49.3				
			PKP2	54				
		LPB	ePKP	18 56 50				146.7
JUN	11	PNS	eP	19 57 35.7				6.7
			eS	58 52				
JUN	11	USCGS S OF HONSHU, JAPAN	19 54 59.0, 31.6N, 141.3E, H = 33 Km, M = 4.2					
		LPB	ePKP	20 14 41				149.3
			eL	21 04				
		PNS	ePKP	20 14 45.4		0.6	2	
JUN	11	USCGS TALAUD IS	19 56 24.5, 3.8N, 125.5E, H = 83 Km, M = 4.7					
		LPB	ePKP	20 16 08				161.1
			eL	21 12				
		PNS	eL	21 12.9				
JUN	11	PNS	iP	21 21 37.5	D	0.6	11	1.9
			iS	22 01.0				
JUN	11	USCGS SANDWICH IS REG	22 48 14.1, 56.4S, 27.6W, H = 119 Km, M = 4.9					
		LPB	P	22 57 00		1.0	18	19.5
		PNS	iP	22 57 02.8	D	0.5	8	
JUN	12	USCGS TONGA IS	00 03 32.4, 21.0S, 174.6W, H = 33 Km, M = 5.0					
		PNS	P	00 16 55.2		0.5	2	
		LPB	eL	00 50				98.5

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	12	USCGS	00 05 06.5, 16.6N, 46.6W, H = 33 Km, M = 5.1					
		N ATLANTIC RIDGE						
		CCH	eP	00 12 32.7				
		PNS	iP	00 12 34.3	D	2.0	126	
			ipP	44.8				
			PP	14 17				
			S	18 45				
			eSS	21 23				
			eL	43.9				
		LPB	P	00 12 34.5		2.0	130	39.6
			i	53.7				
			PP	14 05				
			S	18 42				
			L	24				
		TRJ	P	00 12 55.7				
JUN	12	LPB	eP	00 56 10.5				
		PNS	eP	00 56 11.5				
			e	23.4				
JUN	12	USCGS	00 48 59.2, 21.1S, 174.4W, H = 13 Km, M = 5.1					
		TONGA IS						
		LPB	eP	01 02 35				98.3
			L	35				
		PNS	eP	01 02 35				
			L	35.2				
JUN	12	USCGS	01 10 49.5, 19.0N, 121.1E, H = 75 Km, M = 4.3					
		PHILIPPINE IS REG						
		LPB	ePKP	01 30 54				170.9
			eL	02 31				
JUN	12	LPB	P	01 42 38		0.5	6	2.3
			S	43 05.3				
		PNS	iP	01 42 38.1	D	0.4	8	2.0
			S	43 02.4				
JUN	12	CCH	eP	01 45 57.7				
		TRJ	eP	01 46 01.5				
		LPB	eP	01 46 22				5.0
			S	47 19				
		PNS	P	01 46 25.2		0.8	4	5.3
			eS	47 26				
JUN	12	USCGS	01 59 28.1, 16.7N, 46.7W, H = 33 Km, M = 4.8					
		N ATLANTIC RIDGE						
		PNS	P	02 06 55.7		1.6	31	
			eL	18.6				
		LPB	P	02 06 55.8		1.5	33	39.5
			eL	19				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	12	TRJ	iP	02 15 38.6	C			
		LPB	eP	02 16 04				
		PNS	iP	02 16 06.5		0.8	4	
JUN	12	USCGS	02 51 05.5, 38.2N, 22.7E, H = 33 Km, M = 4.8					
		GREECE						
		LPB	eL	03 39				101.2
		PNS	eL	03 39.4				
JUN	12	USCGS	03 05 34.1, 18.0S, 167.7E, H = 8 Km, M = 4.8					
		NEW HEBRIDES IS						
		LPB	eL	04 00				114.7
		PNS	eL	04 00.3				
JUN	12	USCGS	03 07 38.8, 3.0S, 100.6E, H = 33 Km, M = 5.1					
		S SUMATRA						
		LPB	ePKP	03 27 33.3				157.5
			eL	04 22				
		TRJ	ePKP	03 27 27.9				
		PNS	ePKP	03 27	C	1.3	8	
			L	04 24.1				
JUN	12	TRJ	P	03 36 40.5				
		LPB	P	03 37 08.2		0.8	6	
			eL	04 26				
		PNS	P	03 37 10.3		0.8	4	
			eL	04 25.3				
JUN	12	PNS	P	03 40 00.9				
JUN	12	PNS	eP	04 40 52.2				
		LPB	eP	04 40 55				
JUN	12	USCGS	05 21 10.6, 44.9S, 35.7E, H = 36 Km, M = 5.6					
		PRINCE EDWARD IS REG						
		TRJ	P	05 33 28.6	C			
		LPB	P	05 34 00.6		1.6	58	88.6
			pP	07.5				
			S	44 36				
			eG	57				
			L	06 03				
		CCH	P	05 33 48.8				
		PNS	iP	05 34 01.1	C	2.4	229	
			pP	10.0				
			S	44 38				
			SS	50 18				
			G	57.5				
			eL	06 02.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	12	PNS	eP	07 01 07.5				
		TRJ	eP	07 01 21.8				
JUN	12	LPB	P	07 32 51		0.6	21	
JUN	12	USCGS	07 31 59.0, 10.8S, 161.9E, H = 33 Km, SOLOMON IS					
		LPB	PKP	07 49 41.7		1.0	8	123.3
		PNS	eL	08 30.6				
JUN	12	PNS	iP	07 58 02.8				2.0
			iS	27				
		LPB	P	07 58 03.8	D	0.9	25	2.2
			S	30				
		CCH	e'	07 58 21.3				
JUN	12	USCGS	09 24 05.8, 56.1S, 27.5W, H = 33 Km, M = 5.2 S SANDWICH IS REG					
		TRJ	iP	09 32 14.9	C			
		LPB	P	09 33 00.7		1.0	20	49.9
			S	40 08				
			eL	49.5				
		PNS	iP	09 33 03.9	C	0.9	19	
			eL	48.6				
JUN	12	TRJ	eP	10 24 10.5				
		LPB	P	10 24 15.8		1.0	12	
		PNS	P	10 24 17.5		0.6	2	
JUN	12	PNS	eP	11 58 39.6				
		LPB	eP	11 58 42.5				
JUN	12	LPB	eP	12 13 23.4				
		PNS	iP	12 13 24.1		0.5	5	
JUN	12	LPB	eP	13 26 04.2		0.6	7	
			e	19.2				
		PNS	eP	13 26 09				2.3
			eS	36				
JUN	12	PNS	iP	13 50 20.0	C	0.6	3	2.5
			S	49.8				
		LPB	eP	13 50 23.5				
JUN	12	PNS	eP	13 59 24.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	12	USCGS	18 57 45.2, 0.5N, 120.8E, H = 109 Km, M = 4.7 N CELEBES					
		LPB	ePKP	19 17 05				161.9
		PNS	ePKP	19 17 08.3				
JUN	12	PNS	P	20 18 07.7	C	1.4	18	
		LPB	eP	20 18 11.7				
JUN	12	USCGS	21 17 48.9, 3.1S, 100.6E, H = 33 Km, M = 5.4 S SUMATRA					
		PNS	ePKP	21 37 43.7		0.7	3	
		CCH	ePKP	21 37 51.8				
		LPB	ePKP	21 37 52				157.5
			eL	33				
JUN	12	USCGS	23 22 45.3, 47.4N, 154.3E, H = 56 Km, M = 5.4 KURILE IS					
		PNS	ePKP	23 41 55.4	C	1.6	57	
			pPKP	42 13.3				
			PKS	45 25				
		LPB	PKP	23 41 59.5		1.4	49	133.1
			pPKP	42 11.2				
			PP	45 28.5				
			G	20.4				
			L	00 26.8				
		CCH	ePKP	23 42 02.5				
JUN	12	USCGS	23 32 46.2, 9.1N, 126.4E, H = 61 Km, M = 5.2 MINDANAO, PHILIPPINE IS					
		PNS	PKP	23 52 47.6		1.8	34	
			PKP2	53 40				
		LPB	PKP	23 52 47.5		1.0	10	163.3
			ePKP2	53 40				
JUN	12	USCGS	23 56 28.4, 47.6N, 154.4E, H = 33 Km, M = 4.3 KURILE IS					
		PNS	ePKP	00 15 44.8				133.1
JUN	13	USCGS	01 10 05.9, 3.0S, 100.6E, H = 33 Km, M = 5.0 S SUMATRA					
		TRJ	ePKP	01 29 53.1				
		LPB	ePKP	01 30 06				157.5
			PKP2	39.6				
			eL	02 24				
		CCH	ePKP	01 30 06.6				
		PNS	PKP	01 30 10.0		1.3	15	
			iPKP2	43.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	13	TRJ	iP	02 42 30.4	C			
		LPB	P	02 42 43.2		1.0	15	
			i	56.3				
		PNS	iP	02 42 44.7	C	0.6	4	
			i	55.4				
		CHA	P	02 42 46.0	D			
		CCH	eP	02 42 47.1				
JUN	13	PNS	iP	02 45 27.6	C	0.9	22	3.9
			iS	46 12.4				
		LPB	eP	02 45 29.3		0.8	11	4.7
			eS	46 23.2				
		CHA	P	02 45 33.1	C			
		CCH	P	02 45 57.2	C			
JUN	13	USCGS	02 42 45.1, 47.6N, 154.3E, H = 32 Km, M = 4.6					
		KURILE IS						
		LPB	eL	03 46				133.3
JUN	13	USCGS	03 11 59.0, 21.2S, 169.6E, H = 33 Km, M = 4.5					
		LOYALTY IS REG						
		LPB	eL	04 05				112.3
JUN	13	USCGS	08 24 11.7, 29.0S, 68.6W, H = 93 Km, M = 4.2					
		LA RIOJA PROV, ARGENTINA						
		TRJ	iP	08 26 11.6	C			
		CCH	eP	08 26 56.2				
		LPB	eP	08 27 06.5				12.5
			i	11				
		PNS	P	08 27 09.4		0.9	5	
			i	13.7				
		CHA	P	08 27 10.6				
JUN	13	PNS	P	08 32 34.6		0.8	4	
JUN	13	USCGS	09 45 22.4, 78.6N, 8.2E, H = 33 Km, M = 4.6					
		SVALBARD REG						
		LPB	eP	09 59 15				103.4
JUN	13	LPB	iP	10 13 58.5				
		PNS	P	10 13 59.4	D	0.7	11	2.1
			S	14 30.8				
		CHA	P	10 14 01.0	D			
JUN	13	USCGS	12 25 02.1, 18.3N, 101.8W, H = 92 Km, M =					
		GUERRERO, MEXICO						
		PNS	P	12 33 31.4		1.3	13	
		LPB	P	12 33 34.2		1.0	16	
			eL	48				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	13	LPB	eP	13 08 37.5				
		PNS	P	13 08 40.5		0.6	7	7.7
			S	10 08				
JUN	13	CHA	eP	13 15 40.1				
		LPB	P	13 15 51		0.6	8	
		PNS	P	13 15 58.0		0.6	3	1.8
			S	16 20				
JUN	13	USCGS	15 12 59.0, 23.1S, 68.7W, H = 105 Km, M = 4.3					
		N CHILE						
		CCH	P	15 14 31.8	C			
		LPB	P	15 14 35.5		0.8	57	6.9
			Pn	53.5				
			eS	15 43				
		PNS	iP	15 14 39.2		1.0	46	
			eS	15 45				
		CHA	iP	15 14 39.6	C			
JUN	13	USCGS	15 39 29.7, 5.6S, 148.1E, H = 213 Km, M = 5.4					
		NEW BRITAIN REG						
		LPB	ePKP	15 58 11.5				138.0
			i	32.8				
			ePKS	16 01 47				
			eL	44				
		PNS	PKP	15 58 22.0	C	0.8	10	
			PKS	16 01 47				
		CHA	ePKP	15 58 22.5				
		CCH	ePKP	15 58 24.1				
JUN	13	PNS	P	16 01 46.9		2.0	1.3	
		LPB	P	16 01 48.8		1.0	18	
		CCH	P	16 01 50.3				
JUN	13	PNS	P	16 40 29.0		0.6	14	3.0
			S	41 04				
		LPB	eP	16 40 32				
JUN	13	PNS	eP	19 12 06.4				
			i	43.6				
JUN	13	USCGS	18 52 22.9, 2.3N, 128.2E, H = 152 Km, M = 4.7					
		HALMAHERA						
		PNS	ePKP	19 12 06				
		LPB	eL	20 08				158.4

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	13	USCGS NEW YORK	19 08 54.4, 42.9N, 78.2W, H = 5 Km, M = 3.9					
		LPB	eP	19 18 54				59.5
			eL	38				
JUN	13	LPB	P	19 31 15		0.7	14	7.9
			S	32 44				
		PNS	P	19 31 19.7		0.6	10	8.2
			S	32 43				
JUN	13	LPB	eP	20 08 11		0.6	6	
		PNS	eP	20 08 16		0.6	3	
JUN	13	USCGS W NEW GUINEA	20 29 01.0, 3.9S, 140.1E, H = 33 Km,					
		PNS	iPKP	20 48 40.8	C	1.0	9	
			i	46.7				
		LPB	PKP	20 48 41.5		1.0	14	145.7
			i	47.5				
			eL	38				
		CCH	PKP	20 48 49.4				
JUN	13	PNS	iP	22 31 11.6	D	0.6	20	2.1
			S	36.6				
		LPB	P	22 31 12.5		0.9	17	2.2
			S	38.5				
		CHA	iP	22 31 13.5	D			
JUN	13	USCGS MOLUCCA PASSAGE	22 28 47.0, 2.4N, 126.8E, H = 63 Km, M = 4.9					
		LPB	ePKP	22 48 17				159.6
		PNS	ePKP	22 48 41				
JUN	14	USCGS S OF PANAMA	01 50 20.3, 5.7N, 78.3W, H = 41 Km, M = 4.0					
		CHA	P	01 55 29.8	D			
		PNS	eP	01 55 32		1.4	17	
		LPB	P	01 55 35.7		1.3	25	23.8
		CCH	P	01 55 50.3	D			
JUN	14	USCGS PERU	03 14 17.5, 14.9S, 73.4W, H = 99 Km, M = 5.6					
		PNS	iP	03 15 33.0	C			
		LPB	iP	03 15 38.2	C	1.0	1000	
			S	16 22				
		CHA	eP	03 15 39.5	C			
		CCH	iP	03 16 04.0	C			
		TRJ	iP	03 16 43.8	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	14	PNS	eP	03 26 40.2				
		LPB	eP	03 26 41		1.0	16	
JUN	14	PNS	P	03 53 45		0.6	5	
		LPB	P	03 53 51.7				
JUN	14	USCGS NR E CST OF E RUMA	03 46 20.3, 45.3N, 136.9E, H = 360 Km, M = 4.7					
		PNS	ePKP	04 05 16		1.0	13	
		LPB	ePKP	04 05 17		1.1	17	144.9
		CCH	PKP	04 05 21.1	C			
		TRJ	ePKP	04 05 28.5	C			
JUN	14	LPB	eP	04 47 57.5				3.2
			S	46				
		CHA	P	04 47 59.0				
		PNS	P	04 48 04.5				3.5
			S	46				
JUN	14	USCGS TONGA IS	05 06 16.3, 15.2S, 173.6W, H = 11 Km, M = 5.9					
		LPB	eP	05 19 57.5				99.9
			ePP	24 15				
			eSKS	30 52				
			eSS	38 40				
			eL	54				
		PNS	eP	05 20 03.9				
			ePP	24 11				
JUN	14	TRJ	eP	05 29 53.1				
JUN	14	USCGS NR CST OF CENTRAL CHILE	05 27 26.7, 29.3S, 71.7W, H = 33 Km, M = 4.4					
		PNS	eP	05 30 32				
		LPB	eP	05 30 51				13.1
JUN	14	LPB	P	06 29 43		0.8	15	4.1
			i	54.5				
			eS	30 31.5				
		PNS	iP	06 29 43.2	C	0.5	3	
			i	54				
		CHA	P	06 29 45.7	C			
		CCH	P	06 29 52.8	C			
JUN	14	USCGS W NEW GUINEA REG	06 15 54.1, 3.7S, 131.1E, H = 33 Km, M = 4.5					
		PNS	PKP	06 35 51.4		0.9	12	
		LPB	PKP	06 35 51.5		1.0	14	152.0
			eL	07 28				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	14	USCGS	08 05 58.6, 47.5N, 154.4E, H = 55 Km, M = 5.3					
		KURILE IS						
		LPB	ePKP	08 25 11.3		1.8	51	133.1
			pPKP	21				
			eL	09 45				
		PNS	PKP	08 25 11.3		1.8	57	
			pPKP	26.6				
		TRJ	ePKP	08 25 16.1				
		CCH	ePKP	08 25 27.1				
JUN	14	USCGS	08 13 02.2, 47.5N, 154.5E, H = 53 Km, M = 5.4					
		KURILE IS						
		PNS	PKP	08 32 15.7		1.5	27	
		LPB	PKP	08 32 16.7		1.2	22	133.3
			ePKS	35 26				
			L	09 10.1				
		CHA	PKP	08 32 22.9				
		TRJ	ePKP	08 32 26.1				
JUN	14	PNS	eP	08 45 25.9				2.3
			S	52.7				
JUN	14	LPB	P	10 19 11.4		1.0	10	3.2
			eS	49.5				
		PNS	iP	10 19 13.3	D	0.5	4	3.1
			eS	49				
JUN	14	LPB	P	11 25 04		0.8	10	
		PNS	iP	11 25 04.1		1.0	4	
JUN	14	USCGS	11 43 19.1, 6.9N, 72.8W, H = 151 Km, M = 3.8					
		N COLOMBIA						
		PNS	P	11 48 16.0		0.8	11	
			iPP	49.8				
		CHA	eP	11 48 19.2				
		LPB	P	11 48 20.3				22.9
			PP	53				
			eS	52 19				
JUN	14	PNS	P	12 13 39.4		1.4	8	
JUN	14	USCGS	12 29 30.6, 15.3S, 173.0W, H = 33 Km, M = 4.3					
		TONGA IS						
		LPB	eP	12 43 10				99.0

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	14	LPB	P	13 42 09.5	C	0.8	6	6.4
			S	43 23				
		TRJ	iP	13 41 15.6	C			
		PNS	iP	13 42 12.5	C	0.7	12	6.9
			S	43 31				
		CHA	iP	13 42 12.7				
JUN	14	PNS	P	15 25 51.3		1.9	38	
JUN	14	USCGS	15 02 12.1, 18.6S, 174.8W, H = 68 Km, M = 4.9					
		TONGA IS						
		LPB	eP	15 15 42				99.5
JUN	14	USCGS	15 35 46.3, 46.5N, 153.2E, H = 33 Km, M = 4.5					
		KURILE IS						
		PNS	ePKP	15 55 03		0.6	3	
		LPB	eL	16 37				134.5
JUN	14	LPB	P	16 34 21.2		0.7	42	8.0
			i	30				
			S	35 51.5				
		PNS	iP	16 34 24.8	D	1.0	32	7.8
			S	35 53				
		CHA	iP	16 34 24.9	D			
		TRJ	iP	16 33 26.2	D			
JUN	14	PNS	P	18 15 49.4		0.6	4	
JUN	14	LPB	eP	19 05 00.7		0.8	7	
		PNS	P	19 05 02.5		0.6	3	
JUN	14	USCGS	20 45 44.7, 62.5N, 149.2W, H = 86 Km, M = 4.1					
		CENTRAL ALASKA						
		LPB	eL	21 33				100.7
JUN	14	PNS	eP	22 16 19				
		LPB	eP	22 16 22				
JUN	14	PNS	P	22 25 21.8		0.8	5	
JUN	14	LPB	eP	22 47 24				
		PNS	P	22 47 29.6		1.2	11	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	14	USCGS	23 37 39.3, 10.4N, 65.4W, H = 33 Km, M = 4.1					
		NR CST OF VENEZUELA						
		PNS	eP	23 43 19.6		1.2	9	
			PP	44 05.3				
		LPB	eP	23 43 20				27.0
JUN	15	USCGS	00 14 47.9, 10.2S, 161.3E, H = 92 Km, M = 4.6					
		SOLOMON IS						
		PNS	ePKP	00 33 34				124.0
JUN	15	USCGS	00 35 21.7, 10.6N, 65.3W, H = 31 Km, M = 4.5					
		NR CST OF VENEZUELA						
		PNS	eP	00 41 02		1.4	32	
		LPB	P	00 41 04		1.2	34	27.1
			eL	48.7				
		TRJ	eP	00 41 44.3				
JUN	15	TRJ	P	01 29 27.3	D			
		PNS	P	01 29 51.6	D	0.4	4	1.8
			S	30 13.7				
JUN	15	PNS	iP	01 37 17.7	D	0.7	7	2.1
			S	43				
JUN	15	LPB	P	02 07 49				
		PNS	iP	02 07 52.9	C	0.6	3	
JUN	15	USCGS	02 41 08.5, 17.6N, 100.8W, H = 72 Km, M = 4.0					
		GUERRERO, MEXICO						
		PNS	P	02 49 30.3		1.0	9	
		LPB	eP	02 49 31				47.1
JUN	15	USCGS	03 03 16.1, 22.4S, 67.2W, H = 182 Km, M = 3.9					
		CHILE-BOLIVIA BOR REG						
		TRJ	iP	03 03 59.8	D			
		LPB	P	03 04 43.0		0.8	12	5.8
			eS	05 49				
		PNS	iP	03 04 47.1	C	0.7	7	
			eS	05 53				
JUN	15	PNS	iP	03 50 29.5	D	0.6	7	2.1
			S	54.8				
		LPB	eP	03 50 32.5				
JUN	15	PNS	iP	04 31 04.8	D	0.6	11	2.5
			S	35				
		LPB	eP	04 31 09.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	15	USCGS	04 49 41.4, 21.6S, 174.7W, H = 33 Km, M = 4.9					
		TONGA IS						
		LPB	eL	05 36				98.1
JUN	15	LPB	eP	06 31 01.5				
		PNS	P	06 31 04.0	C	1.0	6	
JUN	15	USCGS	07 19 45.3, 1.0N, 29.6W, H = 24 Km, M = 4.6					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	07 27 36.2	C	1.3	76	41.8
			L	39.5				
		PNS	P	07 27 37.2	C	1.3	55	
JUN	15	PNS	iP	08 18 24.7	D	0.4	6	1.9
			S	48.4				
JUN	15	USCGS	10 45 45.8, 22.0S, 66.8W, H = 215 Km, M = 3.6					
		JUJUY PROV, ARGENTINA						
		TRJ	iP	10 46 29.2	D			
		LPB	iP	10 47 07.3	C	1.0	104	5.5
			i	15				
			S	48 12				
		PNS	iP	10 47 11.4	C			
			S	48 00.6				
JUN	15	USCGS	12 24 18.2, 21.5N, 143.3E, H = 242 Km, M = 4.1					
		MARIANA ISLAND REG						
		LPB	ePKP	12 43 00				149.5
		PNS	PKP	12 43 41.7		1.0	8	
JUN	15	PNS	P	14 11 32.6		0.6	4	
		LPB	P	14 11 35.5				
JUN	15	LPB	eP	14 20 13				
		PNS	eP	14 20 16.2				4.3
			S	21 07				
		CCH	P	14 20 37.7				
JUN	15	USCGS	14 09 42.9, 6.5S, 154.5E, H = 97 Km, M = 5.0					
		SOLOMON IS						
		LPB	ePKP	14 28 29				131.8
JUN	15	USCGS	14 56 05.6, 34.1N, 32.5E, H = 62 Km, M = 5.0					
		CYPRUS						
		LPB	eP	15 20 13.5				102.0
			eL	46				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	15	PNS	P	15 15 10.2		0.4	5	2.0
			S	34.4				
JUN	15	USCGS	15 12 08.9, 6.4S, 146.0E, H = 126 Km, M = 4.4					
		E NEW GUINEA REG						
		PNS	ePKP	15 31 17				
		LPB	ePKP	15 21 19				139.3
JUN	15	PNS	P	16 31 55.1		0.6	6	
JUN	15	CCH	eP	16 34 15.9				
		LPB	P	16 34 24		1.5	66	
			L	16 40.1				
		PNS	P	16 34 24.3		1.6	44	
JUN	15	USCGS	17 33 56.5, 43.9S, 16.1W, H = 33 Km, M = 5.0					
		S ATLANTIC RIDGE						
		LPB	P	17 43 00				51.4
			eS	50 18				
			eL	58				
		PNS	P	17 43 04.2	C	1.3	13	
		CCH	P	17 42 46.6	C			
JUN	15	USCGS	17 44 14.9, 43.9S, 16.0W, H = 33 Km,					
		S ATLANTIC RIDGE						
		CCH	eP	17 53 04.6				
		PNS	eP	17 53 19				
		LPB	eP	17 53 20				51.4
JUN	15	USCGS	18 41 57.7, 9.1N, 40.4W, H = 33 Km, M = 4.8					
		CENTRAL MID-ATLANTIC RIDGE						
		PNS	P	18 49 11.9	C	1.2	27	
JUN	15	USCGS	20 44 47.9, 5.4S, 153.0E, H = 65 Km, M = 5.0					
		NEW IRELAND REG						
		LPB	ePKP	21 03 33.5				133.6
			eL	48				
		PNS	ePKP	21 04 05				
JUN	15	TRJ	iP	22 56 13.4	C			2.6
			iS	44.5				
JUN	16	PNS	P	00 51 40		0.8	4	
		LPB	eP	00 51 41.5				
		TRJ	P	00 51 48.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	16	PNS	P	01 30 57.3		0.4	2	
		LPB	eP	01 30 59				
JUN	16	LPB	eP	02 28 38.5				
		PNS	P	02 28 42.0	C	0.9	7	1.8
			S	29 04.4				
JUN	16	PNS	iP	04 17 25.4	D	0.8	10	2.0
			S	49				
JUN	16	TRJ	iP	04 25 05.8	C			
		CCH	P	04 25 18.2	D			
		LPB	P	04 25 30.3	C	0.8	30	4.6
			S	26 23				
		PNS	iP	04 25 34.5	C	0.4	10	4.8
			iS	26 30				
JUN	16	USCGS	05 44 02.2, 55.7S, 146.8E, H = 27 Km, M = 5.4					
		W OF MACQUARE IS						
		LPB	ePKP	05 57 42				
			eL	06 32				
		PNS	ePKP	05 57 51		1.1	10	
JUN	16	USCGS	06 03 16.6, 55.6S, 147.3E, H = 33 Km, M = 5.2					
		W OF MACQUARE IS						
		LPB	eP	06 17 06.5				102.2
			eL	52				
JUN	16	USCGS	06 47 37.2, 19.5N, 66.1W, H = 47 Km, M = 4.2					
		PUERTO RICO REG						
		PNS	eP	06 54 33.7		0.5	4	
		LPB	eP	06 54 36.5				36.0
JUN	16	USCGS	09 47 32.7, 4.3S, 103.3W, H = 33 Km, M = 4.2					
		N EASTER IS CORDILLERA						
		LPB	eP	09 54 31				36.6
		PNS	P	09 54 35.1				
JUN	16	TRJ	eP	10 01 05.1				
		PNS	P	10 01 43.3		1.2	5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	16	USCGS	10 01 34.7, 15.0S, 75.6W, H = 22 Km, M = 4.6					
		NR CST OF PERU						
		PNS	P	10 03 19.8		1.5	15	
			iPn	24.0				
		LPB	P	10 03 28.2		1.2	130	7.1
			i	43.5				
			eS	04 32.5				
		TRJ	iP	10 04 28.4	C			
		CCH	P	10 03 52.9	D			
JUN	16	LPB	P	10 34 15				
		PNS	iP	10 34 16.3	D	0.6	34	
		TRJ	e(P)	10 34 59.6				
JUN	16	PNS	P	11 34 51.8				
JUN	16	PNS	iP	11 41 26.4		1.6	14	
JUN	16	USCGS	11 34 23.5, 23.1S, 115.0W, H = 33 Km, M = 4.5					
		EASTER IS CORDILLERA						
		PNS	P	11 42 29.9		1.2	28	
		LPB	eP	11 42 31.5		1.0	12	44.0
			eL	55.8				
JUN	16	PNS	eP	11 50 11				
JUN	16	LPB	eP	12 48 29.5				
		PNS	P	12 48 32.4		0.5	2	
JUN	16	PNS	P	13 00 00.2		0.4	4	2.1
			S	25.6				
JUN	16	PNS	P	13 09 56.8				
JUN	16	PNS	iP	13 55 17.0	C	0.8	8	
		LPB	P	13 55 22.7		1.0	30	
		TRJ	iP	13 54 35.0	D			
JUN	16	USCGS	16 30 58.1, 21.5S, 69.2W, H = 95 Km, M = 4.0					
		N CHILE						
		CCH	iP	16 32 11.4	C			
		LPB	P	16 32 14.5		0.7	20	4.9
			Pg	37				
			eS	52.5				
		CCH	iP	16 32 11.4	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	16	LPB	eP	17 34 03.2				
		PNS	eP	17 34 04				
JUN	16	USCGS	17 24 16.9, 4.3S, 152.1E, H = 155 Km, M = 5.0					
		NEW BRITAIN REG						
		LPB	ePKP	17 43 12.5				135.0
			eL	18 27				
		PNS	ePKP	17 43 17				
JUN	16	PNS	eP	17 46 31.7				
			i	41.6				
JUN	16	USCGS	20 23 00.3, 8.8N, 77.6W, H = 78 Km, M = 4.4					
		PANAMA COLOMBIA BOR REG						
		PNS	eP	20 28 33.5		1.1	16	
			ipP	42.4				
		LPB	eP	20 28 35		1.0	14	26.5
			ipP	42				
			eS	33 03				
			eL	36				
		SCS	P	20 28 44.7				
		CCH	eP	20 28 54.2				
JUN	16	USCGS	21 19 44.0, 9.0N, 77.3W, H = 14 Km, M = 4.3					
		NR COAST OF COLOMBIA						
		PNS	eP	21 25 23.6		1.5	23	
			ipP	32.8				
		LPB	eP	21 25 27				270.0
			i	37.5				
JUN	16	CHA	eP	22 31 39.0				
		LPB	P	22 31 40		1.0	10	
		PNS	iP	22 31 44.5	D	0.6	3	
JUN	16	CHA	eP	22 34 29.5				
		PNS	P	22 34 32.8				
JUN	17	CHA	P	00 34 20.0				
		LPB	P	00 34 22		1.0	20	
			i	42				
		SCS	P	00 34 24.4				
		CCH	P	00 34 22.6				
		PNS	P	00 34 23.8	D	0.6	3	
			i	42.5				
JUN	17	PNS	P	00 37 04.8		0.5	4	2.0
			S	29				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	17	LPB	eP	00 42 08				
		PNS	P	00 42 10.6		0.8	3	
JUN	17	USCGS	00 56 29.4, 4.5S, 104.7W, H = 33 Km, M = 4.8					
		N EASTER IS CORDILLERA						
		PNS	P	01 03 42.5		1.5	56	
			ipP	03 54.2				
			iPP	05 08				
		CHA	P	01 03 44.6				
		LPB	P	01 03 45.6		1.3	30	37.8
			pP	03 51.2				
			S	09 42				
			L	15.6				
		CCH	P	01 04 02.6				
		SCS	P	01 04 03.5	D			
JUN	17	USCGS	05 00 11.8, 58.3S, 26.6W, H = 140 Km, M = 6.1					
		S SANDWICH IS REG						
		CCH	iP	05 08 54.1	D			
		CHA	iP	05 09 05.7	D			
		LPB	iP	05 09 06.8	D	1.0	770	51.7
			pP	09 42				
			PcP	10 27				
			PP	11 10				
			iS	16 09				
			G	20.6				
			L	25				
		PNS	iP	05 09 09.9	D			
			S	16 20.0				
			PS	16 42				
			i(ScS)	18 41				
		SCS	iP	05 09 13.6	D			
JUN	17	LPB	eP	05 38 58.3		1.2	12.4	
		PNS	P	05 39 00		1.2	7	
			i	39 27.4				
		SCS	eP	05 39 01.4				
JUN	17	LPB	eP	05 46 35.5				
		PNS	P	05 46 37.4		1.3	8	
			e	47 22				
JUN	17	PNS	P	06 07 55.6				
JUN	17	USCGS	07 09 11.6, 11.0S, 165.7E, H = 41 Km, M = 4.3					
		SANTA CRUZ IS						
		LPB	ePKP	07 28 04.5				120.1
			eL	08 06				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	17	PNS	iP	07 31 46.6		0.6	5	2.0
			S	32 11				
		CHA	P	07 31 46.8				
JUN	17	USCGS	07 42 48.3, 14.9S, 167.3E, H = 105 Km, M = 4.4					
		NEW HEBRIDES IS						
		LPB	ePKP	08 00 43				117
			eL	38				
JUN	17	PNS	P	09 04 24.6				
			(S)	05 20				
		CHA	P	09 04 25.3				
		LPB	eP	09 04 28.2				
		SCS	eP	09 04 46.2				
JUN	17	LPB	P	09 37 17.5		0.8	6	
		PNS	P	09 37 21.5		0.5	2	
JUN	17	PNS	P	11 28 23.0		0.9	9	5.9
			S	29 29.6				
		CHA	iP	11 28 24.5				
		LPB	P	11 28 28.2		1.0	30	6.0
			S	29 37.5				
		SCS	P	11 28 46.3				
JUN	17	PNS	eP	11 37 01.6				
JUN	17	USCGS	12 02 50.4, 12.2N, 143.9E, H = 33 Km, M = 4.5					
		S OF MARIANA IS						
		LPB	ePKP	12 22 30				148.5
			eL	13 14				
JUN	17	LPB	P	12 26 39		1.0	56	
JUN	17	PNS	iP	13 38 25.0	C	0.8	11	3.5
			S	39 06				
		LPB	eP	13 38 27		1.0	18.0	
		CHA	iP	13 38 27.1	C			
		SCS	P	13 38 48.1				
JUN	17	CHA	P	14 01 25.0	D			
		PNS	P	14 01 25.5	D	0.6	4	1.3
			S	01 43				
JUN	17	CHA	P	14 15 42.6				
		PNS	P	14 15 55.2				5.5
			eS	16 58				
		LPB	P	14 15 58.5				
		SCS	eP	14 16 04				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	17	PNS	eP	14 24 25				3.3
			S	25 04				
JUN	17	USCGS	15 05 34.5, 17.9S, 167.6E, H = 13 Km, M = 4.8					
		NEW HEBRIDES IS						
		LPB	ePKP	15 24 07				115.1
			eL	16 01				
JUN	17	USCGS	15 42 55.4, 41.6N, 16.2E, H = 24 Km, M = 4.4					
		S ITALY						
		LPB	eP	15 56 19				96.6
			eL	16 22				
JUN	17	LPB	P	16 18 02				
		PNS	P	16 18 06.8		0.9	4	
JUN	17	LPB	eP	16 38 27.5				
		PNS	P	16 38 30.9		0.5	3	
		SCS	eP	16 38 50.5				
JUN	17	CHA	eP	16 50 49.9				
		LPB	eP	16 50 51.5				
		PNS	P	16 50 54.8		1.5	20	
		SCS	eP	16 50 58.7				
JUN	17	USCGS	17 43 55.2, 14.1N, 90.0W, H = 103 Km, M = 4.8					
		GUATEMALA						
		PNS	iP	17 50 56.5	D	1.0	27	
			pP	51 20				
			PeP	53 17.7				
			i(pS)	56 56				
		SCS	P	17 51 18.6				
		LPB	P	17 51 59.5		1.0	26	37.8
			eL	18 01.8				
JUN	17	USCGS	17 55 19.4, 55.0S, 126.6W, H = 33 Km, M = 4.5					
		EASTER IS CORDILLERA						
		LPB	eP	18 05 16.5		1.2	42.5	58.5
			pP	05 25				
			L	23.7				
		PNS	P	18 05 17.6		1.5	75	
			i(pP)	05 25.8				
		SCS	P	18 05 26.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	17	USCGS	18 41 59.8, 17.9S, 173.1W, H = 33 Km, M = 4.3					
		TONGA IS						
		LPB	eL	19 28				98.1
JUN	17	PNS	P	19 32 27.0		0.8	8	1.8
			iS	32 49				
		LPB	eP	19 32 29.3				
JUN	17	USCGS	19 25 53.6, 6.3S, 153.1E, H = 46 Km, M = 4.4					
		NEW BRITAIN REGION						
		PNS	ePKP	19 45 09.5		1.4	15	
		LPB	eL	20 29				
JUN	17	LPB	eP	20 13 05		0.5	7	
		PNS	P	20 13 07.6		0.5	2	
JUN	17	USCGS	20 48 03.9, 80.4N, 2.2W, H = 33 Km, M = 4.2					
		N OF SVALBARD						
		LPB	eP	21 01 19				102.6
			eL	36				
JUN	17	PNS	P	22 37 16.9		0.6	6	
		LPB	eP	22 37 19				
JUN	17	PNS	iP	23 24 00.8	C	0.8	16	2.5
			S	24 31.3				
		CHA	iP	23 24 01.2	C			
		LPB	P	03 24 03	C	0.8	30	
JUN	18	CHA	iP	01 16 49.0	C			
		LPB	P	01 16 49.6		0.5	6	3.3
			S	17 28.5				
		PNS	P	01 16 50.3	C	0.5	6	3.1
			S	17 27.2				
JUN	18	USCGS	01 20 21.6, 35.2N, 87.6E, H = 33 Km, M = 3.9					
		TIBET						
		PNS	PKP	01 40 08.8		1.0	6	
			(pPKP)	40 17				
		LPB	ePKP	01 40 09				151.3
			eL	02 32				
		CHA	ePKP	01 41 07.2				
JUN	18	LPB	eP	01 49 01				
		PNS	P	01 49 57.6		0.6	2	
			i	50 13.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	18	USCGS		02 26 05, 6.9N, 73.0W, H = 151 Km, M = 4.4				
		N COLOMBIA						
		PNS	P	02 31 02.4		0.8	4	
			PP	31 34.0				
		LPB	eP	02 31 04				23.5
			PP	31 39				
			eL	37				
		SCS	eP	02 31 24.7				
JUN	18	LPB	eP	02 38 31.2				
JUN	18	CHA	P	04 03 11.9				
		LPB	eP	04 03 14		0.6	4	
		PNS	P	04 03 14.5		1.2	9	
JUN	18	PNS	P	04 36 34.4		0.6	3	
JUN	18	PNS	P	05 34 53.3				
JUN	18	USCGS		05 28 54.1, 36.8N, 29.5E, H = 43 Km, M = 4.8				
		TURKEY						
		LPB	eL	06 19				105.7
JUN	18	PNS	P	06 01 45.2				
			S	02 15				2.4
		LPB	eP	06 01 45.5				
			S	02 15				2.4
JUN	18	PNS	iP	07 45 11.9	D	0.4	5	1.8
			iS	45 34.4				
		CHA	iP	07 45 12.5	D			
		LPB	P	07 45 14.2				
JUN	18	CHA	P	08 05 36.1				
		LPB	eP	08 05 44				
		PNS	P	08 05 44.2				
JUN	18	USCGS		10 29 19.7, 34.8S, 71.8W, H = 33 Km, M = 3.8				
		NR CST OF CENTRAL CHILE						
		LPB	P	10 33 35.5		1.0	18	18.6
		PNS	P	10 33 37.7		0.8	9	
			ePP	33 57				
JUN	18	LPB	eP	10 48 38.5				
		PNS	eP	10 48 39.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	18	USCGS		12 24 44.7, 3.5S, 149.0E, H = 26 Km				
		BISMARCK SEA						
		LPB	ePKP	12 44 09				138.5
			eL	13 30				
		PNS	ePKP	12 44 09				
JUN	18	USCGS		13 10 54.3, 4.0S, 81.1W, H = 58 Km, M = 4.3				
		NR CST OF N PERU						
		PNS	eP	13 14 55		1.3	56	
			eS	18 09				
		CHA	P	13 14 56.9				
		LPB	eP	13 15 01				17.4
JUN	18	USCGS		13 52 20.7, 3.3S, 149.2E, H = 61 Km				
		BISMARCK SEA						
		LPB	ePKP	14 11 41				138.5
			eL	58				
		PNS	ePKP	14 11 50				
JUN	18	CHA	iP	14 14 04.8	C			
		LPB	P	14 14 05				1.1
			iS	14 19				
		SCS	P	14 14 06.0				
		PNS	iP	14 14 13.3	C	0.7	13	1.6
			S	14 33.4				
JUN	18	USCGS		14 04 42.8, 12.4S, 166.2E, H = 38 Km, M = 4.3				
		SANTA CRUZ IS						
		LPB	ePKP	14 23 16				119.1
			eL	15 01				
JUN	18	LPB	eP	15 44 28.5				
		PNS	eP	15 44 28.6				
JUN	18	LPB	P	15 46 02		1.1	25	
		PNS	P	15 46 02.6		0.8	7	3.4
			eS	46 43				
JUN	18	PNS	P	16 58 29.5	C	0.3	3	1.8
			S	58 51.4				
JUN	18	USCGS		16 39 11.7, 37.4N, 71.9E, H = 83 Km, M = 5.0				
		AFGHANISTAN-USSR BOR REG						
		PNS	ePKP	16 58 40.8				
		LPB	ePKP	16 58 41				139.4
			eL	17 45				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	18	USCGS	20 04 56.7, 3.9S, 151.6E, H = 301 Km, M = 4.9					
			NEW IRELAND REG					
		LPB	ePKP	20 23 28				153.3
			pPKP	46				
			eL	21 08				
		PNS	ePKP	20 23 37				
			ipPKP	46				
			PKP2	24 00				
JUN	18	PNS	iP	20 26 50.6	D	0.9	27	
		LPB	P	20 26 51		1.0	20	
JUN	18	USCGS	21 03 50.9, 7.0N, 78.0W, H = 46 Km, M = 4.1					
			PANAMA COLOMBIA BOR REG					
		PNS	eP	21 09 12				
		LPB	eP	21 09 13				25.1
			eL	16				
JUN	18	USCGS	22 02 47.5, 55.5S, 124.8W, H = 33 Km, M = 4.6					
			EASTER IS CORDILLERA					
		LPB	eP	22 12 37				57.6
			L	22 30.3				
		PNS	eP	22 12 38.2		1.8	37	
JUN	19	LPB	eP	00 04 46				
		PNS	P	00 04 47.8		0.5	1	2.2
			S	05 14				
JUN	19	PNS	iP	01 21 35.7	D	0.7	11	1.8
			eS	58				
		LPB	P	01 21 36.7		0.5	2	
JUN	19	SCS	P	01 33 49.2				
		LPB	P	01 33 51		1.0	14	
			i	34 00				
		PNS	P	01 33 53.1	C	0.9	15	
			i	59.0				
JUN	19	LPB	eP	02 38 37				2.4
			S	39 06.5				
		PNS	iP	02 38 38.6	C	0.7	6	2.4
			S	39 07.7				
		SCS	eP	02 38 38.7				
JUN	19	PNS	P	03 43 50.3	C	0.8	15	5.9
			eS	44 57				
		LPB	eP	03 43 56.5				
		SCS	P	03 44 08.2	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	19	SCS	eP	04 48 14.9				
		LPB	eP	04 49 01				2.0
			eS	25.5				
		PNS	eP	04 49 03.4		1.7	31	
JUN	19	PNS	eP	04 49 10				2.5
			S	40.0				
JUN	19	PNS	eP	08 29 34.8				3.3
			S	30 14				
JUN	19	SCS	eP	11 20 47.0				
		LPB	P	11 20 50.6		0.9	14	5.9
			S	21 58				
		PNS	P	11 20 54.6	D	0.8	16	5.7
			S	22 00				
JUN	19	LPB	eP	12 24 20.5				
		PNS	P	12 24 23.3		0.9	16	
JUN	19	PNS	eP	12 46 47.4		0.6	11	
		LPB	eP	12 46 49.2				
JUN	19	USCGS	12 42 43.2, 12.2N, 126.2E, H = 33 Km, M = 5.2					
			PHILIPPINE IS REG					
		LPB	ePKP	13 02 44				165.6
		PNS	PKP	13 02 48		0.8	2	
JUN	19	LPB	eP	14 46 12.5				
		PNS	eP	14 46 16.2		1.0	5	
JUN	19	USCGS	14 35 26.2, 20.6N, 38.4E, H = 35 Km, M = 4.5					
			RED SEA					
		LPB	eP	15 29				110.7
JUN	19	USCGS	15 07 49.9, 28.0S, 66.4W, H = 163 Km, M = 4.4					
			CATAMARCA, PROV, ARGENTINA					
		LPB	eP	15 10 28.5		0.3	21	11.7
			S	12 34				
		PNS	P	15 10 34.6	C	0.5	2	
			S	12 36				
			ScS	23 03.6				
JUN	19	LPB	eP	16 39 27		0.8	12	4.2
			eS	40 16				
		PNS	P	16 39 31.5	C	0.6	9	4.0
			i	50.5				
			S	40 18				
		SCS	P	16 39 43.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	19	USCGS	17 07 45.4, 52.7N, 166.9W, H = 33 Km, M = 5.7					
		FOX IS, ALEUTIAN IS						
		LPB	eP	17 22 02.5				108.2
			ePP	26 30				
		PNS	ePP	17 26 32.6				
JUN	19	LPB	eP	17 37 25				
		PNS	P	17 37 28.3		1.3	8	
			e	41				
JUN	19	USCGS	18 07 06.8, 10.4S, 104.9E, H = 33 Km, M = 4.9					
		SW OF SUMATRA						
		LPB	ePKP	18 27 00				152.1
		PNS	PKP	18 27 04.5		1.0	7	
		SCS	PKP	18 27 07.1				
JUN	19	USCGS	18 30 08.4, 0.3S, 122.8E, H = 147 Km, M = 4.9					
		N CELEBES						
		LPB	ePKP	18 49 32.5				159.8
JUN	19	PNS	P	19 19 53.6		1.0	15	
		LPB	P	19 20 00		0.8	19	
		SCS	P	19 20 15.2				
JUN	19	PNS	iP	20 07 53.6	C	0.9	3	
JUN	19	PNS	P	20 20 10.0		0.9	4	
JUN	19	USCGS	21 39 32.2, 0.8S, 135.2E, H = 66 Km, M = 4.7					
		W NEW GUINEA REG						
		PNS	PKP	21 59 21.7	C	0.9	8	
			pPKP	30.4				
		LPB	PKP	21 59 22		1.0	18	150.9
			pPKP	30				
			eL	22 51				
		SCS	PKP	21 59 31.3				
JUN	19	USCGS	22 09 02.5, 31.7S, 69.1W, H = 111 Km, M = 4.4					
		S JUAN PROV, ARGENTINA						
		LPB	P	22 12 35.5		1.2	34	14.7
			i	13 13				
		PNS	eP	22 12 37.0		0.8	7	
		SCS	P	22 12 40.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	20	SCS	eP	00 29 15.4				
		LPB	eP	00 29 17.6				3.0
			S	52.5				
		PNS	P	00 29 20.5	C	0.6	2	3.1
			S	57				
JUN	20	USCGS	02 09 52.5, 52.9N, 166.9W, H = 10 Km, M = 4.7					
		FOX IS, ALEUTIAN IS						
		LPB	eP	02 24 04.6				108.3
			eL	03 01				
JUN	20	USCGS	02 38 39.9, 63.1S, 158.2W, H = 33 Km, M = 4.4					
		S PACIFIC CORDILLERA						
		PNS	eP	02 50 21.8		0.8	3	
		LPB	eP	02 50 23.6				75.3
JUN	20	PNS	eP	03 01 25.4				4.0
			eS	02 13				
		LPB	eP	03 01 27.5				
JUN	20	PNS	P	04 00 28.7	C	0.6	3	6.7
			eS	01 45				
		LPB	eP	04 00 32				
JUN	20	USCGS	03 44 34.8, 5.6S, 151.8E, H = 54 Km, M = 4.9					
		NEW BRITAIN REG						
		PNS	ePKP	04 03 52.8				
		LPB	ePKP	04 03 53				134.4
JUN	20	PNS	P	04 54 21.9		0.7	3	
JUN	20	USCGS	06 20 49.5, 52.7N, 166.9W, H = 9 Km, M = 4.5					
		FOX IS, ALEUTIAN IS						
		LPB	eL	07 12.5				108.5
JUN	20	PNS	eP	06 41 12.3				
			e(S)	42 06				
		LPB	eP	06 41 17.7				
JUN	20	PNS	P	06 45 54.7		0.8	3	
		LPB	eP	06 46 02				
JUN	20	PNS	eP	07 17 52.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	20	USCGS	07 38 44.9, 52.8N, 167.1W, H = 11 Km, M = 5.2					
		FOX IS, ALEUTIAN IS						
		LPB	eP	07 53 10				108.5
			eSKS	08 03 57				
			ePS	07 06				
			eSS	12 58				
			eL	31				
JUN	20	PNS	P	08 08 42.4		1.8	21	
			e	54				
		LPB	eP	08 08 44.5				
JUN	20	PNS	iP	09 37 04.0	C	0.7	8	1.9
			S	26.6				
JUN	20	USCGS	10 16 11.3, 34.2N, 139.0E, H = 33 Km, M = 4.2					
		NR S CST OF HONSHU, JAPAN						
		LPB	ePKP	10 35 34				149.9
		PNS	ePKP	10 35 54				
JUN	20	PNS	iP	11 11 19.8	C	0.5	5	1.9
			iS	42.5				
		CHA	iP	11 11 21.1	D			
		LPB	eP	11 11 24				2.0
			S	48				
		SCS	P	11 11 31.3	D			
JUN	20	PNS	P	11 51 01.9		0.7	5	1.9
			S	25				
JUN	20	LPB	eP	12 21 25				
		PNS	P	12 21 26		0.8	8	8.7
			eS	23 04				
JUN	20	USCGS	12 25 50.2, 52.8N, 166.9W, H = 11 Km, M = 4.6					
		FOX IS, ALEUTIAN IS						
		LPB	eP	12 40 10				108.5
JUN	20	PNS	eP	12 46 33.6				
JUN	20	PNS	P	12 49 07.7		1.0	4	
JUN	20	USCGS	13 26 59.5, 14.6N, 93.5W, H = 33 Km, M = 4.3					
		NR CST OF CHIAPAS, MEXICO						
		PNS	eP	13 34 27.4				40.0

ONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
UN	20	USCGS	13 41 20.9, 11.2S, 161.7E, H = 25 Km, M = 4.7					
		SOLOMON IS						
		LPB	eL	14 39				123.4
UN	20	LPB	eP	14 02 34				
		PNS	P	14 02 36.3		0.8	2	
			i	52.6				
UN	20	PNS	P	15 00 59.6		0.9	9	4.4
			eS	01 51				
UN	20	SCS	eP	15 11 08.6				
		LPB	eP	15 10 49				6.1
			eS	11 59				
		PNS	P	15 10 52.4	C	0.9	23	6.0
			S	12 01.5				
		CHA	P	15 10 55.9				
UN	20	LPB	eP	15 51 15				
		PNS	iP	15 51 19.6	C	0.8	10	7.6
			S	52 46				
UN	20	LPB	eP	16 09 55.4				2.5
			S	10 25.2				
		PNS	P	16 10 02.0				3.1
			S	38				
UN	20	PNS	P	16 34 25.4				
		LPB	eP	16 34 25.5		0.5	8	
UN	20	PNS	P	19 27 33		0.7	6	
		LPB	eP	19 27 34.7		0.6	11	
N	20	LPB	eP	20 04 26				
		PNS	P	20 04 28		0.8	4	
N	21	PNS	eP	01 14 14.2				
		LPB	eP	01 14 14.5				
N	21	USCGS	02 06 07.9, 8.7N, 39.7W, H = 33 Km, M = 4.7					
		CENTRAL MID-ATLANTIC						
		PNS	P	02 13 23.7		0.8	18	
			ipP	32.5				
			iPP	14 52.6				
		LPB	P	02 13 24.0		1.2	62	38.2
			PP	14 54.6				
			S	19 18				
			L	02 24.4				
		SCS	iP	02 13 31.8	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	21	PNS	P	02 18 10.1		0.8	8	
JUN	21	PNS	P	02 26 49.2		1.0	6	
		LPB	eP	02 26 50.2				
JUN	21	PNS	eP	03 47 12				
JUN	21	USCGS	04 05 01.3, 9.1N, 41.0W, H = 33 Km, M = 4.4					
		CENTRAL MID-ATLANTIC						
		LPB	P	04 12 09.7		1.0	12	37.5
			eL	21				
		PNS	iP	04 12 11.0	C	0.9	9	
		SCS	iP	04 12 17.7	C			
JUN	21	LPB	P	04 21 42				
		PNS	iP	04 21 47.2	D	0.5	11	2.0
			S	22 11.6				
JUN	21	USCGS	04 41 14.8, 31.4S, 69.0W, H = 116 Km, M = 4.3					
		SAN SAN JUAN, PROV, ARGENTINA						
		LPB	eP	04 44 43		1.0	16	14.4
		PNS	eP	04 44 44		1.0	7	
			S	47 42				
JUN	21	PNS	P	05 04 00.8		0.8	5	
		LPB	eP	05 04 08				
JUN	21	LPB	eP	05 45 32.3				
		PNS	P	05 45 38.0	C	1.0	8	
			i	55.2				
JUN	21	USCGS	05 40 00.1, 48.8N, 122.2E, H = 43 Km, M = 4.7					
		NE CHINA						
		PNS	PKP	05 59 37.6		1.0	8	
		LPB	PKP	05 59 38		1.1	12	147.0
			ePP	06 02 41				
			eL	06 19				
JUN	21	PNS	P	06 11 58.6	C	0.8	14	7.2
			S	13 20				
		CHA	P	06 12 00.4	C			
		LPB	P	06 12 02.5				6.7
			eS	13 19				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	21	PNS	P	06 38 54.8				2.5
			eS	39 25				
		LPB	eP	06 38 57				
JUN	21	USCGS	06 49 56.6, 2.2S, 77.6W, H = 49 Km, M = 5.3					
		PERU-ECUADOR						
		PNS	e	06 53 42		0.9	7	
			iP	48.0				
			eS	56 44				
		CHA	P	06 53 44.4				
		LPB	P	06 53 46.3		1.0	10	16.1
			i	51.4				
			i	55.3				
			PP	54 01				
			eS	56 49				
			eL	58				
JUN	21	USCGS	12 09 54.0, 35.0N, 135.6E, H = 32 Km, M = 4.2					
		NR S CST OF S HONSHU						
		LPB	eL	13 21				151.6
JUN	21	LPB	eP	12 48 39				
		PNS	eP	12 48 41.7				
JUN	21	USCGS	13 31 47.9, 21.6S, 68.3W, H = 128 Km, M = 4.2					
		CHILE-BOLIVIA						
		LPB	P	13 33 03.5		1.1	80	5.3
			S	34 00.2				
		PNS	P	13 33 06.4		1.2	49	
			iS	34 06.4				
JUN	21	LPB	eP	13 49 47.7				
		PNS	P	13 49 51.6		0.8	5	
JUN	21	USCGS	15 00 41.6, 7.0S, 154.8E, H = 75 Km,					
		SOLOMON IS						
		LPB	ePKP	15 19 49				131.4
			eL	16 03				
JUN	21	PNS	P	16 00 09.4	D	0.8	7	2.1
			S	34.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	21	USCGS		15 45 28.3, 12.7N, 123.1E, H = 56 Km, M = 5.2				
		LUZON, PHILIPPINE IS						
		PNS	PKP	16 05 32.2		1.2	22	
			PKP2	06 44				
		LPB	PKP	16 05 36		1.1	25	168.5
			PKP2	06 44.5				
			eSS	31 22				
			eL	17 05				
JUN	21	USCGS		15 46 01.7, 55.4S, 146.9E, H = 33 Km, M = 5.0				
		W OF MACQUARE IS						
		PNS	eP	16 00 44.4				102.5
JUN	21	USCGS		16 51 06.3, 22.5N, 144.0E, H = 94 Km, M = 4.9				
		VOLCANO IS REG						
		LPB	PKP	17 10 40				149.0
			iPKP2	46.5				
			pPKP	11 05				
			eL	18 01				
		PNS	PKP	17 10 42.5	C	1.5	16	
			iPKP2	45.8				
		CCH	iPKP	17 10 59.0	C			
JUN	21	PNS	eP	17 58 34.6		0.8	2	
JUN	21	USCGS		18 04 49.5, 64.8N, 147.4W, H = 17 Km, M = 5.4				
		CENTRAL ALASKA						
		PNS	eP	18 18 37				
			PP	22 44				
		LPB	eL	18 53				101.3
JUN	21	USCGS		18 13 02.9, 64.8N, 147.4W, H = 17 Km, M = 5.6				
		CENTRAL ALSKA						
		LPB	eP	18 26 43				101.3
			ePP	30 56				
			eSKS	37 41				
			eSS	45 07				
			eL	19 01				
		PNS	eP	18 26 47				
			ePP	30 55.6				
JUN	21	USCGS		18 24 45.7, 64.8N, 147.4W, H = 17 Km, M = 5.4				
		CENTRAL ALASKA						
		LPB	eP	18 38 05				101.3
			ePP	42 29				
			eSKS	49 23				
			eSS	55 23				
			eL	19 12				
		PNS	eP	18 38 31				
			ePP	42 36				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	21	USCGS		19 10 31.1, 23.5S, 180.0W, H = 546 Km, M = 5.0				
		S OF FIJI IS						
		LPB	eP	19 23 28.3				102.5
			ePP	27 50				
		PNS	eP	19 23 32		1.8	26	
			PP	27 50				
JUN	21	USCGS		20 09 28.4, 25.2S, 70.5W, H = 23 Km, M = 5.7				
		NR CST OF N CHILE						
		CHA	iP	20 11 42.5	D			
		PNS	iP	20 11 42.6	D			
			PP	58.0				
		LPB	P	20 11 44	C	0.9	187	9.0
			PP	57.3				
			S	13 19				
JUN	21	LPB	eP	20 48 55		0.8	12	
		PNS	P	20 48 56.1		1.5	20	
JUN	21	USCGS		22 05 54.0, 17.8S, 178.7W, H = 574 Km, M = 4.6				
		FIJI IS REG						
		LPB	eP	22 18 03				103.4
JUN	22	USCGS		00 19 11.5, 12.1S, 166.8E, H = 226 Km, M = 4.4				
		SANTA CRUZ IS						
		PNS	ePKP	00 37 31				
		LPB	eL	01 15				118.8
JUN	22	USCGS		00 40 34.7, 9.3S, 124.2E, H = 54 Km, M = 4.9				
		TIMOR						
		LPB	PKP	01 00 28				151.1
		PNS	PKP	01 00 29.4		0.8	3	
		SCS	PKP	01 00 33.0				
JUN	22	PNS	eP	01 09 35.6				
JUN	22	LPB	eP	01 14 56				
JUN	22	LPB	P	01 50 49.5		0.8	10	
		SCS	P	01 50 46.4	D			
		PNS	P	01 50 53.1	D	1.1	21	
JUN	22	PNS	P	02 16 08.9		0.9	6	
		LPB	eP	02 16 09				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	22	USCGS	02 29 35.8, 28.9S, 68.5W, H = 95 Km, M = 4.6					
		LA RIOJA PROV, ARGENTINA						
		SCS	eP	02 32 27.8				
		LPB	P	02 32 30.7		0.7	8	12.3
			eL	35.5				
		PNS	eP	02 32 32		0.9	9	
JUN	22	PNS	P	03 13 49.4		1.0	5	33.0
			eS	19 06				
		LPB	eP	03 13 51.5				
		SCS	P	03 14 08.9	D			
JUN	22	LPB	P	03 47 23.5		0.7	6	
		SCS	eP	03 47 24.3				
		CHA	P	03 47 24.4				
		PNS	P	03 47 26.2		0.7	4	
JUN	22	LPB	eP	04 33 41.5				
		PNS	eP	04 33 43.6		0.8	3	
JUN	22	PNS	P	05 28 50.6	C	1.1	7	
		LPB	eP	05 28 53.5				
JUN	22	USCGS	05 14 05.0, 51.2N, 156.4E, H = 71 Km, M = 5.0					
		KAMCHATKA						
		LPB	ePKP	05 33 08				130.6
			eL	06 16				
		PNS	PKP	05 33 09.2				
JUN	22	PNS	P	05 53 54.4				
JUN	22	PNS	P	07 05 00.7				
JUN	22	PNS	eP	07 32 38				
JUN	22	LPB	eP	08 18 07.2				
		PNS	P	08 18 07.4	D	0.5	4	1.9
			eS	30.8				
JUN	22	PNS	iP	08 23 11.2	C	1.1	28	3.4
			i	34				
			S	52				
		SCS	iP	08 23 12	C			
		LPB	iP	08 23 13.0	C	0.8	13	3.7
			i	34.5				
			S	55.6				
		CHA	iP	08 23 13.1	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	22	PNS	eP	10 06 27.5		1.4	12	
JUN	22	LPB	eP	10 08 15.5		0.5	4	5.0
			i	28				
			S	09 12.5				
		PNS	eP	10 08 17				4.6
			i	24.2				
			S	09 10				
		SCS	eP	10 08 22.1				
JUN	22	PNS	eP	10 48 10.4		0.6	4	1.9
			S	34				
		LPB	eP	10 48 15				1.9
			eS	38.5				
JUN	22	USCGS	10 50 05.3, 15.8S, 172.7W, H = 33 Km, M = 4.5					
		SAMOA IS REG						
		LPB	eP	11 03 45				98.0
			eL	11 37				
JUN	22	USCGS	11 09 20.9, 1.5S, 15.7W, H = 33 Km, M = 4.8					
		N OF ASCENSION IS						
		LPB	eP	11 18 36.5				54.0
			eL	35.6				
		PNS	eP	11 18 43				
JUN	22	PNS	eP	11 24 25		0.8	3	
JUN	22	PNS	eP	12 10 15.4		0.8	6	27.5
			eS	14 53				
		LPB	eP	12 10 17.5		0.6	6	
		SCS	eP	12 10 39.6				
JUN	22	USCGS	12 13 36.6, 27.7S, 67.8W, H = 153 Km, M = 4.0					
		CATAMARCA PROV, ARGENTINA						
		PNS	eP	12 16 14.5				
		LPB	eP	12 15 56				11.2
JUN	22	USCGS	13 27 14.8, 8.5S, 122.9E, H = 77 Km, M = 4.7					
		FLORES IS REG						
		PNS	ePKP	13 46 59				
		LPB	eL	14 39				152.2

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	22	USCGS	13 49 48.7, 2.3S, 77.6W, H = 33 Km, M = 4.8					
		PERU-ECUADOR						
		LPB	eP	13 53 32				16.1
			e	36.7				
			ipp	49.6				
			eS	56 28.5				
			eL	14 00				
		PNS	P	13 53 40.2		0.7	13	
			i	45.3				
			eS	56 37				
			SS	57 10				
		SCS	iP	13 54 02.8				
JUN	22	USCGS	14 09 46.0, 64.8N, 147.5W, H = 13 Km,					
		CENTRAL ALASKA						
		LPB	eL	14 57				100.5
JUN	22	PNS	P	14 56 55.4				
JUN	22	PNS	P	15 09 31.3		0.8	4	
JUN	22	LPB	P	15 12 45.5				
		PNS	P	15 12 46.3		0.8	3	
JUN	22	LPB	eP	15 25 13.5				
		PNS	eP	15 25 14.4				
JUN	22	USCGS	15 35 20.4, 7.8S, 147.3E, H = 32 Km, M = 5.4					
		E NEW GUINEA REG						
		LPB	ePKP	15 54 24				137.2
			eL	16 40				
		PNS	ePKP	15 54 38				
JUN	22	USCGS	15 36 38.9, 51.7N, 176.8W, H = 54 Km, M = 5.3					
		ANDREANOF IS ALEUTIAN IS						
		LPB	eL	16 27				108.2
JUN	22	PNS	P	16 01 14.7				1.9
			S	38				
		SCS	eP	16 01 17.3				
		LPB	eP	16 01 18.2				
JUN	22	PNS	P	16 35 13.1		0.6	2	3.4
			eS	53.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	22	SCS	eP	16 42 25.9				
		PNS	eP	16 42 46.1				5.4
			S	43 47.7				
		LPB	eP	16 42 43.6				
JUN	22	PNS	eP	18 02 35.3				4.6
			S	03 28				
		LPB	eP	18 02 36.5				
		SCS	eP	18 02 43.1				
JUN	22	USCGS	18 57 36.4, 64.8N, 147.4W, H = 14 Km, M = 4.1					
		CENTRAL ALSKA						
		LPB	eL	19 45				101.3
JUN	22	USCGS	19 08 33.5, 1.3S, 149.8E, H = 34 Km, M = 5.0					
		NEW IRELAND REG						
		PNS	ePKP	19 27 50.3		1.0	5	
			ipPKP	28 01				
		LPB	ePKP	19 28 02				138.6
			i	06				
			eL	20 14				
		SCS	PKP	19 28 11.7				
JUN	22	PNS	iP	19 42 17.8	C	0.5	3	1.9
			S	40.7				
		LPB	eP	19 42 20				
JUN	22	LPB	P	19 45 05.5				
		PNS	iP	19 45 07.7	D	0.6	7	3.0
			S	43				
JUN	22	USCGS	20 13 52.2, 35.1N, 136.6E, H = 25 Km, M = 4.3					
		S HONSHU, JAPAN						
		PNS	ePKP	20 33 38				151.1
JUN	22	PNS	eP	20 54 37				
JUN	22	USCGS	20 53 55.4, 2.4S, 77.8W, H = 14 Km, M = 4.1					
		PERU-ECUADOR						
		PNS	P	20 57 50		1.0	6	
			i	54				
			eS	21 00 54				
		LPB	eP	20 57 52				16.0
			e	58.5				
			eS	21 00 39				
		SCS	P	20 58 11.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	23	USCGS	00 25 29.8, 15.0S, 172.3W, H = 33 Km, M = 5.1					
		SAMOA IS REG						
		PNS	P	00 39 08.7		0.9	7	
		LPB	P	00 39 09		1.0	10	98.7
			eL	01 12				
JUN	23	USCGS	00 42 13.4, 14.9S, 172.4W, H = 33 Km, M = 5.1					
		SAMOA IS						
		PNS	eP	00 55 52		1.4	8	
		LPB	eP	00 55 54				98.7
			eL	01 39				
JUN	23	LPB	eP	01 10 05.2				
		PNS	P	01 10 05.4		0.7	4	
JUN	23	USCGS	01 47 28.9, 62.5S, 155.2E, H = 33 Km, M = 5.3					
		N OF BALLENY IS						
		LPB	ePKP	02 06 29.4				124.7
			eL	46				
		PNS	ePKP	02 06 30				
JUN	23	PNS	eP	04 53 21				4.3
			S	54 11				
		LPB	eP	04 53 23				4.8
			S	54 17.6				
		CHA	e(P)	04 53 25.1				
		SCS	P	04 53 27.6				
JUN	23	PNS	PKP	05 24 46.4		1.6	65	
			PKP2	52.8				
		LPB	PKP	05 24 46.7		1.2	37	150.9
			iPKP2	58.8				
			eL	06 17				
		SCS	ePKP	05 24 52.1				
		CHA	PKP	05 24 52.7				
JUN	23	PNS	P	08 42 09				
		LPB	P	08 42 09.7				
JUN	23	LPB	eP	10 26 01.5		0.8	4	
		PNS	eP	10 26 02.9				5.2
			eS	27 03				
JUN	23	LPB	eP	10 43 24.2				
JUN	23	PNS	P	12 00 51.2		1.3	16	
		LPB	eP	12 00 53.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	23	USCGS	11 54 33.5, 64.8N, 147.5W, H = 9 Km, M = 4.6					
		CENTRAL ALASKA						
		LPB	eP	12 08 15				100.4
			eL	42				
JUN	23	PNS	P	12 52 25.2		0.7	6	4.7
			S	53 19				
		LPB	eP	12 52 26.5				4.6
			S	53 20				
		CHA	iP	12 52 26.7				
		SCS	P	12 52 27.0				
JUN	23	USCGS	13 30 46.0, 12.9N, 87.8W, H = 11 Km, M = 4.2					
		NR CST OF NICARAGUA						
		LPB	eP	13 37 36				35.0
			eL	47				
		PNS	eP	13 37 43.7				
JUN	23	LPB	eP	14 34 07.5				
		PNS	P	14 34 08				
JUN	23	USCGS	14 38 35.7, 21.3S, 179.3W, H = 605 Km, M = 5.1					
		FIJI IS REG						
		LPB	eP	14 51 21				102.5
			ePP	55 25				
			eL	15 27				
JUN	23	LPB	eP	16 14 06				
		PNS	P	16 14 11.3		0.8	5	
JUN	23	PNS	eP	16 31 04				
		LPB	eP	16 31 07.3				
JUN	23	PNS	P	16 37 03.7				
JUN	23	PNS	P	16 42 28.6		0.4	4	1.8
			S	51				
JUN	23	USCGS	16 31 33.7, 36.3N, 138.1E, H = 37 Km, M = 4.1					
		HONSHU, JAPAN						
		LPB	ePKP	16 50 50		1.1	15	149.4
		PNS	ePKP	16 51 16		1.0	5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	23	USCGS	17 24 47.7, 2.4S, 77.9W, H = 33 Km, M = 3.9					
		PERU-ECUADOR BOR REG						
		LPB	eP	17 28 37.5				16.6
			ePP	52				
			eS	31 47				
		PNS	P	17 28 40.8		0.7	4	
			i	47.0				
			PP	55.7				
			eS	31 52				
JUN	23	PNS	P	20 34 28.3				5.8
			eS	35 34				
		LPB	eP	20 34 29.7				
JUN	23	USCGS	20 39 31.9, 21.4S, 70.7W, H = 15 Km, M = 4.1					
		NR CST OF N CHILE						
		LPB	eP	20 40 50.6				5.4
			iPg	41 05				
			eS	48				
		PNS	eP	20 40 59.7		0.8	7	
		SCS	P	20 41 05.1				
JUN	23	USCGS	21 30 11.5, 19.2S, 167.7E, H = 37 Km, M = 5.3					
		NEW HEBRIDES IS REG						
		LPB	ePKP	21 48 51				114.3
			eL	22 24				
		PNS	PKP	21 48 51.6		1.4		
JUN	23	LPB	eP	22 03 59.5				
		PNS	P	22 04 03.3		0.8	2	
			i	18				
JUN	23	USCGS	22 28 08.2, 10.5S, 161.6E, H = 34 Km, M = 4.5					
		SOLOMON IS						
		LPB	ePKP	22 57 09				122.8
			eL	23 36				
JUN	23	PNS	P	00 10 58.6				
JUN	24	LPB	P	01 02 18.4		0.5	4	
		PNS	P	01 02 21.5		0.6	4	3.4
			S	03 02				
JUN	24	LPB	eP	01 45 38.3				
		PNS	iP	01 45 40.6	C	0.4	2	2.2
			S	46 06.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	24	LPB	eP	03 39 19.3				
		PNS	eP	03 39 29				
JUN	24	LPB	eP	04 45 44				
		PNS	eP	04 45 43				
JUN	24	PNS	P	06 54 48.7		0.6	5	1.9
			S	55 11.8				
		LPB	eP	06 54 49.5				2.1
			S	55 15				
JUN	24	USCGS	07 16 40.6, 2.4S, 80.0W, H = 111 Km, M = 4.1					
		NR CST OF ECUADOR						
		PNS	iP	07 20 44.2	D	1.1	42	
		LPB	P	07 20 47	D	1.0	34	18.0
JUN	24	PNS	P	07 58 31.4				
JUN	24	USCGS	07 51 46.5, 14.3N, 92.6W, H = 91 Km, M = 4.6					
		NR CST OF CHIAPAS, MEXICO						
		LPB	eP	07 59 05.7				39.1
			eL	08 10				
		PNS	eP	07 59 06				
JUN	24	PNS	eP	11 02 58.4				
		LPB	eP	11 03 01				
JUN	24	PNS	eP	12 10 20				
JUN	24	LPB	P	12 55 14.2		0.6	7	
		CHA	P	12 55 15.7				
		PNS	P	12 55 16.4		0.6	4	0.2
			S	21.7				
JUN	24	USCGS	14 09 50.7, 23.4S, 67.1W, H = 162 Km, M = 4.1					
		CHILE ARGENTINA BOR REG						
		LPB	P	14 11 32		0.8	1	7.1
			eS	12 42.6				
		CHA	eP	14 11 34.4				
		PNS	P	14 11 35.5		0.8	7	
			eS	12 58.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	24	USCGS	14 28 52.7, 18.4N, 49.8W, H = 97 Km, M = 4.5					
		GUERRERO, MEXICO						
		PNS	eP	14 37 11.7				
		LPB	eP	14 37 14				47.0
			eL	51				
JUN	24	PNS	iP	14 38 52.3	C	0.6	14	2.3
			S	39 19				
		CHA	iP	14 38 58.0	C			
		LPB	eP	14 38 58.5		0.8	42	
JUN	24	LPB	eP	16 36 40.5				
		PNS	P	16 36 41		0.6	3	3.9
			i	49.4				
			S	37 25.8				
JUN	24	USCGS	18 07 28.5, 15.5S, 74.0W, H = 30 Km, M = 4.9					
		NR CST OF PERU						
		PNS	iP	18 08 48.4	C	1.5	64	
			iPg	09 16.7				
			i	32.6				
			(S)	52				
		CHA	iP	18 08 52.5	C			
		LPB	P	18 08 53.8		1.4	144	5.7
			iPg	24				
			S	10 10				
JUN	24	LPB	eP	18 59 43.4				
		PNS	eP	18 59 45				3.3
			S	19 00 24.4				
JUN	24	LPB	eP	19 04 21				
		CHA	eP	19 04 22.1				
		PNS	eP	19 04 30				2.6
			S	05 01.2				
JUN	24	LPB	P	21 18 03.2		1.0	36	
		PNS	P	21 18 04.7		0.6	10	4.0
			eS	52				
JUN	24	USCGS	21 00 23.9, 12.5N, 141.6E, H = 18 Km, M = 5.5					
		S OF MARIANA IS						
		PNS	ePKP	21 20 12.5		1.8	14	
			i	18.2				
		LPB	PKP	21 20 13.6		1.5	255	150.7
			PKP2	40.5				
			eL	22 12				
		CHA	PKP	21 20 18.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	24	USCGS	21 03 35.7, 11.4N, 125.7E, H = 53 Km, M = 5.0					
		SAMAR, PHILIPPINE IS						
		PNS	PKP	21 23 39.4		1.5	42	
		LPB	PKP	21 23 39.8		1.3	42	
			eL	22 24				
JUN	25	USCGS	00 54 30.7, 46.7N, 152.5E, H = 33 Km, M = 4.7					
		KURILE IS						
		PNS	ePKP	01 13 49.2				
		LPB	ePKP	01 13 51				135.0
			eL	58				
JUN	25	LPB	eP	01 24 25				
			S	25 15.5				9.8
		PNS	P	01 24 29.3		0.6	1	
			eS	26 19				9.8
JUN	25	PNS	iP	01 59 55.1	C	0.5	4	
			iS	02 00 14				1.5
		CHA	P	01 59 58.1	C			
		LPB	eP	02 00 02				
			S	21.5				1.5
JUN	25	PNS	iP	03 59 21.6	D	0.5	6	
			S	44.2				1.9
		CHA	iP	03 59 23.3	D			
		LPB	P	03 59 23.6		0.7	10	
			S	48.2				2.1
JUN	25	USCGS	04 02 46.9, 41.3S, 88.3W, H = 33 Km, M = 4.4					
		W CHILE RISE						
		LPB	P	04 08 57		0.9	8	
			L	04 17.6				30.1
		PNS	eP	04 08 57.7		1.0	6	
JUN	25	PNS	P	05 02 37.5				
			eS	03 04				2.2
JUN	25	USCGS	04 52 27.4, 23.7N, 121.9E, H = 33 Km, M = 4.2					
		TAIWAN						
		LPB	ePKP	05 12 32				168.3
JUN	25	USCGS	05 56 52.5, 1.4S, 76.5W, H = 33 Km, M = 3.9					
		ECUADOR						
		PNS	P	06 00 46.3		0.9	1	
		LPB	eP	06 00 47.5				17.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	25	PNS	iP	06 39 12.8	C	0.8	3	2.3
			S	40.8				
JUN	25	LPB	P	06 49 26.3	C	0.7	10	4.8
			S	50 21.2				
		CHA	P	06 49 27.7	C			
		PNS	P	06 49 30.4	C	0.5	3	4.8
			S	50 25.9				
JUN	25	PNS	P	08 08 10				1.7
			S	31.4				
		CHA	P	08 08 15.5				
		LPB	P	08 08 15.7		0.8	10	2.3
			S	42.8				
JUN	25	PNS	eP	08 16 05.4				5.9
			eS	17 13.5				
JUN	25	PNS	iP	08 46 16.8	D	0.6	3	2.0
			eS	41				
		LPB	P	08 46 18.4				2.0
			S	42.5				
JUN	25	PNS	iP	08 55 20.8	C	0.5	1	9.4
			S	57 07.4				
JUN	25	PNS	P	09 55 21				4.2
			eS	57 10				
		LPB	eP	09 56 45.5				3.1
			eS	57 22				
JUN	25	USCGS	10 17 55.3, 16.3N, 95.1W, H = 43 Km, M = 4.1					
		OAXACA, MEXICO						
		PNS	P	10 25 40.3		1.0	7	
		LPB	eP	10 25 43.5				41.9
JUN	25	USCGS	10 28 01.8, 14.3N, 145.3E, H = 90 Km, M = 4.6					
		MARIANA IS						
		LPB	ePKP	10 47 31				147.6
JUN	25	LPB	eP	11 45 25				
		PNS	eP	11 45 26.9				
JUN	25	USCGS	11 25 58.9, 3.2S, 147.2E, H = 49 Km, M = 5.0					
		BISMARCK SEA						
		LPB	ePKP	11 55 44				139.8
			eL	12 42				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	25	USCGS	11 31 12.6, 7.5S, 128.1E, H = 146 Km, M = 5.1					
		BANDA SEA						
		LPB	PKP	11 50 51.5		1.0	14	150.9
			eL	12 42				
		CHA	PKP	11 50 51.9				
		PNS	ePKP	11 50 52.3		1.0	3	
JUN	25	USCGS	13 28 03.8, 9.0S, 145.4E, H = 43 Km, M = 5.1					
		ADMIRALTY IS REG						
		LPB	ePKP	13 47 27.5				138.1
			eL	14 33				
		PNS	PKP	13 47 34		0.8	2	
JUN	25	USCGS	14 26 47.8, 33.3N, 137.J E, H = 338 Km, M = 4.4					
		NR S CST OF HONSHU, JAPAN						
		LPB	ePKP	14 45 05				151.0
			eL	15 37				
		PNS	ePKP	14 45 56		1.0	3	
			i	46 04.0				
JUN	25	LPB	eP	17 02 30.8				10.1
			eS	04 24				
		PNS	eP	17 02 37.4				9.7
			eS	04 26				
JUN	25	USCGS	17 44 48.0, 37.6N, 138.2E, H = 33 Km, M = 4.2					
		NR W CST OF HONSHU, JAPAN						
		PNS	ePKP	18 04 30.J				
			L	55.5				
		LPB	ePKP	18 04 31				148.7
			eL	56				
JUN	25	USCGS	19 52 47.4, 52.9N, 166.6W, H = 56 Km, M = 4.5					
		FOX IS, ALEUTIAN IS						
		LPB	eL	20 44				108.1
JUN	25	PNS	P	20 41 17.5		1.0	3	
JUN	25	USCGS	21 27 41.8, 33.4N, 141.4E, H = 59 Km, M = 4.6					
		OFF E CST OF HONSHU, JAPAN						
		PNS	PKP	21 47 20.4		1.6	21	
			ipPKP	47 35.4				
		LPB	PKP	21 47 24.5		1.3	34	148.5
			eL	22 38				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	25	PNS	eP	22 09 45.5				
		LPB	eP	22 09 48.3				
JUN	25	USCGS	23 18 04.3, 12.4N, 141.8E, H = 42 Km, M = 5.6					
		S OF MARIANA IS						
		CCH	ePKP	23 37 50.2				
		PNS	PKP	23 37 50.6		1.6	74	
			i	37 56.3				
			PKP2	38 04.8				
			PP	41 32				
			eL	00 28.8				
		LPB	PKP	23 37 50.8		1.3	12	150.5
			i	37 57.2				
			pPKP	38 08				
			ePP	41 32				
			eL	00 28.4				
		SCS	ePKP	23 37 58.7				
JUN	26	USCGS	02 10 30.6, 2.6S, 78.3W, H = 38 Km, M = 3.8					
		ECUADOR						
		PNS	P	02 14 24		1.0	5	
			i	14 26.7				
			L	19.4				
		LPB	P	02 14 31.2		1.0	10	16.6
			eL	19				
		SCS	P	02 14 46.8	D			
JUN	26	USCGS	02 22 34.8, 18.4N, 105.2W, H = 45 Km, M = 5.0					
		OFF CST OF JALISCO, MEXICO						
		PNS	P	02 31 26.3	D	2.0	155	
			pP	31 38.6				
			i	31 50.0				
			iS	38 44.0				
			L	15.8				
		LPB	P	02 31 29.0		2.2	243	50.4
			pP	31 41				
			S	38 47				
			eL	46				
		SCS	P	02 31 41.6	D			
JUN	26	PNS	iP	02 41 23.4	D	0.4	2	2.1
			S	41 48				
		LPB	eP	02 41 25.7				2.0
			S	41 50				
		SCS	P	02 41 51.1				
JUN	26	LPB	eP	03 00 28		0.6	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	26	USCGS	02 48 31.5, 24.8N, 121.6E, H = 29 Km, M = 4.4					
		TAIWAN						
		PNS	PKP	03 08 35.4				
			eL	04 07.5				
		LPB	ePKP	03 08 38				
			eL	04 07				167.7
JUN	26	LPB	P	04 22 49.7				
		PNS	eP	04 22 51				
JUN	26	PNS	P	04 39 01.6				
			eS	52				4.3
JUN	26	LPB	eP	05 13 50				
JUN	26	PNS	eP	06 07 50				
JUN	26	USCGS	06 11 35.9, 39.1S, 74.3W, H = 33 Km, M = 4.2					
		OFF CST CENTRAL CHILE						
		LPB	P	06 16 40		0.7	4	23.4
		PNS	P	06 16 42.0		0.9	4	
JUN	26	PNS	eP	07 21 36.3				
		LPB	eP	07 21 41				
JUN	26	USCGS	09 16 39.6, 8.0N, 38.4W, H = 33 Km, M = 4.5					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	09 23 58.3		1.1	27	37.2
			eL	34.8				
		PNS	iP	09 23 59.9				
		SCS	P	09 24 06.6				
JUN	26	USCGS	10 57 58.9, 11.3S, 74.9W, H = 47 Km, M = 4.2					
		PERU						
		PNS	eP	10 59 56.3		0.9	4	
			iPg	11 00 36.2				
			iSg	02 15.7				
		LPB	eP	10 59 59.6		0.9	5	8.0
			Pg	11 00 36.5				
			eS	01 29.5				
		SCS	eP	11 00 12.3				
JUN	26	PNS	iP	11 06 14.3	D			2.2
			iS	40.0				
		LPB	eP	11 06 14.5				2.2
			S	41				
		SCS	P	11 06 19.3	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	26	PNS	P	11 38 10		0.4	1	2.1
			S	34.6				
JUN	26	USCGS	13 01 12.6, 11.3S, 75.1W, H = 53 Km, M = 4.3					
		PERU						
		PNS	P	13 03 10.0		0.8	4	
			iPP	31.6				
			S	04 42.6				
		LPB	eP	13 03 11				8.1
		SCS	eP	13 03 43.7				
JUN	26	PNS	eP	13 15 22.6				11.0
			eS	17 25.4				
JUN	26	USCGS	14 04 23.9, 5.8S, 147.7E, H = 33 Km, M = 5.3					
		E NEW GUINEA REG						
		PNS	ePKP	14 23 45.4		0.9	4	
			L	15 09.7				
		LPB	ePKP	14 23 46		0.6	7	138.3
			eL	15 09				
JUN	26	PNS	eP	14 44 32				3.8
			eS	45 15.7				
JUN	26	LPB	eP	16 40 16.5				
		PNS	P	16 40 18.1		0.6	2	
JUN	26	USCGS	17 36 09.6, 22.6S, 69.6W, H = 78 Km, M = 4.5					
		N CHILE						
		SCS	iP	17 37 39.9	D			
		LPB	P	17 37 41		1.0	20	6.3
			Pn	38 45.7				
			Pg	35.5				
			eS	58				
		CHA	iP	17 37 43.4	C			
		PNS	iP	17 37 44.1	C	0.6	4	
			i	48.9				
			iPg	38 10.0				
			S	39 08				
			L	39.3				
JUN	26	LPB	eP	18 13 53				
		PNS	iP	18 13 55.9	D	0.4	3	1.9
			S	14 18.7				
		CHA	iP	18 13 56.7	C			
JUN	26	USCGS	18 43 21.2, 23.3N, 125.9E, H = 33 Km, M = 4.6					
		SW RYUKYU IS						
		PNS	ePKP	19 03 25				
			eL	20 01.5				
		LPB	eL	20 01				165.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	26	PNS	P	19 31 02.1				
			S	32 31				7.9
		LPB	eP	19 31 04.2				
JUN	26	CHA	P	20 07 28.9				
		PNS	P	20 07 30.8		0.5	1	
			S	58				2.3
JUN	26	SCS	P	20 08 06.3				
		LPB	P	20 08 08				
		PNS	iP	20 08 09.3	C	0.5	6	
		CHA	P	20 08 13.2				
JUN	26	LPB	eP	20 38 45				
		PNS	eP	20 38 47.8				
			eS	46 55				60.0
JUN	26	LPB	P	20 51 13		0.6	6	
		PNS	P	20 51 16.7	C	0.6	2	
			S	40.0				1.9
JUN	26	USCGS	21 27 43.2, 0.2S, 123.0E, H = 186 Km, M = 4.9					
		N CELEBES						
		LPB	eL	22 42				
		PNS	PKP	21 47 23.5				159.3
JUN	26	SCS	P	22 05 46.6	D			
		PNS	P	22 05 51.8	D	0.8	4	
		LPB	eP	22 05 52				
JUN	26	LPB	P	23 04 35.2		0.5	6	
		PNS	iP	23 04 37.2	D	0.4	7	
			S	05 00				1.9
		CHA	iP	23 04 38.4	C			
JUN	26	USCGS	22 54 43.1, 12.5N, 141.8E, H = 33 Km, M = 4.6					
		S OF MARIANA IS						
		PNS	PKP	23 14 30.3	C	1.2	9	
			eL	00 06				
		LPB	PKP	23 14 34		1.1	20	150.5
			eL	24 06				
JUN	27	CHA	P	00 55 23.2				
		LPB	eP	00 55 28				
		PNS	P	00 55 31				
			S	56 03.7				2.8

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	27	PNS	iP	00 57 53.3	D	0.5	23	1.8
			S	58 15.7				
		LPB	eP	00 57 54.5				
JUN	27	PNS	iP	01 23 06.9	C	0.5	2	7.2
			eS	24 27.6				
		CHA	eP	01 23 07.1				
		LPB	P	01 23 07.5	C	0.7	8	
		SCS	P	01 23 13.2	D			
JUN	27	LPB	eP	01 45 47				
		PNS	eP	01 45 50.6		1.0	4	30.0
			eS	50 53.6				
JUN	27	PNS	P	02 40 10.4				1.0
			eS	41 23				
		LPB	eP	02 40 16				
JUN	27	USCGS	02 52 51.9, 9.1S, 109.9W, H = 33 Km, M = 4.2					
		EASTER IS CORDILLERA						
		LPB	eP	03 00 32				40.3
			eL	12				
		PNS	P	03 00 35.1	C	0.8	3	
			i	40.6				
			eL	03 12.7				
JUN	27	LPB	eP	03 30 34.2				
		PNS	P	03 30 37.8				3.2
			S	31 15.4				
JUN	27	PNS	eP	03 36 19				
		LPB	eP	03 36 20				
JUN	27	SCS	P	05 21 38.8	D			
		LPB	P	05 21 42.8		0.8	24	6.9
			S	23 02.0				
		CHA	iP	05 21 44.0	C			
		PNS	iP	05 21 46.6	C	0.8	12	6.9
			S	23 06				
JUN	27	USCGS	05 13 03.6, 19.2S, 169.0E, H = 144 Km, M = 4.1					
		NEW HEBRIDES IS						
		LPB	ePKP	05 31 20				113.3
			eL	06 06				
		PNS	ePKP	05 31 20				
JUN	27	PNS	eP	05 56 03.6				4.5
			eS	56				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	27	USCGS	07 35 40.8, 18.3S, 167.9E, H = 19 Km, M = 4.5					
		NEW HEBRIDES IS						
		LPB	ePKP	07 54 20.5				
			eL	08 31				41.8
JUN	27	PNS	P	09 44 00.0				
			S	43.6				3.8
		CHA	P	09 44 00.2				
		LPB	eP	09 44 02.1				
JUN	27	LPB	eP	11 26 08.5				
		PNS	P	11 26 11.0	D	0.7	4	
JUN	27	USCGS	12 24 37.2, 23.9S, 67.0W, H = 213 Km, M = 4.1					
		CHILE-ARGENTINA BOR REG						
		SCS	iP	12 26 23.0	D			
		LPB	P	12 26 26.2	C	0.9	93	7.7
			S	27 51				
		CHA	iP	12 26 27.4	C			
		PNS	iP	12 26 29.8	C	0.7	12	
			S	27 56				
JUN	27	SCS	P	15 05 02.6				
		CHA	P	15 05 07.3				
		PNS	P	15 05 10.1				6.6
			i	33.3				
			S	06 24.6				
		LPB	eP	15 05 14				
JUN	27	USCGS	14 53 30.4, 12.6N, 141.5E, H = 27 Km, M = 4.5					
		S OF MARIANA IS						
		PNS	PKP	15 13 14.6	C	0.9	7	
		LPB	eP	15 13 25		0.9	10	150.5
JUN	27	PNS	P	16 34 14.6		0.6	3	3.2
			S	51.8				
		CHA	eP	16 34 16.1				
JUN	27	USCGS	16 49 11.6, 5.3N, 166.7W, H = 36 Km, M = 4.3					
		FOX IS, ALEUTIAN IS						
		LPB	PKP	17 03 23.5				
			eL	40				180.2
JUN	27	LPB	eP	17 39 14.5				
		PNS	P	17 39 15.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	27	LPB	eP	18 05 05				
		PNS	P	18 05 07.6	C	0.5	3	2.3
			S	35.8				
JUN	27	LPB	eP	18 40 52.2				
		PNS	P	18 40 55.4		0.8	4	
JUN	27	CHA	iP	19 26 13.4	D			
JUN	27	PNS	iP	19 27 12.4	D	0.6	8	1.9
			S	35				
JUN	27	USCGS	19 42 09.5, 15.3S, 171.8W, H = 33 Km, M = 4.2					
		SAMOA IS REG						
		LPB	eP	19 55 43				97.7
JUN	27	PNS	P	20 37 50.8		1.4	13	
		LPB	eP	20 37 53.5				
JUN	27	USCGS	20 32 59.3, 51.3N, 180.0W, H = 26 Km, M = 5.1					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	eP	20 51 30				116.2
		PNS	eL	21 28.3				
JUN	27	USCGS	21 37 48.1, 46.4S, 96.0E, H = 33 Km, M = 5.4					
		SE INDIAN RISE						
		LPB	ePKP	21 56 26				115.6
			eL	22 32				
		PNS	PKP	21 56 28.3		0.8	4	
			eL	22 32				
JUN	27	PNS	eP	22 12 01				
JUN	27	USCGS	23 06 47.0, 23.6N, 121.5E, H = 45 Km, M = 4.8					
		TAIWAN						
		PNS	PKP	23 26 52.2		1.0	6	
		LPB	PKP	23 26 52.3				168.3
			eL	24 27				
JUN	27	USCGS	23 19 01.8, 24.1S, 67.2W, H = 198 Km, M = 4.1					
		CHILE-ARGENTINA BOR REG						
		SCS	iP	23 20 47.6	C			
		LPB	P	23 20 51.5	C	0.7	63	7.7
			S	22 18				
		PNS	iP	23 20 55.4	C	0.8	25	
			S	22 23.6				
		CHA	iP	23 20 52.4	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	28	USCGS	00 14 34.5, 9.5S, 157.4E, H = 16 Km, M = 5.4					
		SOLOMON IS						
		PNS	PKP	00 33 42.8		1.6	30	
			ipPKP	51.2				
			PP	35 44				
			L	01 15.3				
		LPB	PKP	00 33 43.3				128.2
			pPKP	51.5				
			ePP	35 45				
			eL	01 15				
JUN	28	PNS	P	01 20 50.4		0.7	1	
			i	21 15.7				
		CHA	eP	01 20 54.4				
JUN	28	CHA	iP	01 ~~27~~ 01.1	C			
		PNS	iP	01 22 01.4	C			3.8
			S	45.7				
		LPB	P	01 22 07	C	1.0	7	3.9
			eS	52				
		SCS	iP	01 22 20.3	D			
JUN	28	LPB	eP	01 26 27				
		PNS	P	01 26 31.5		0.5	2	7.9
			eS	28 01				
		CHA	P	01 26 35.2				
		SCS	eP	01 26 53.5				
JUN	28	USCGS	01 10 03.9, 46.0N, 151.5E, H = 33 Km, M = 5.4					
		KURILE IS						
		PNS	ipPKP	01 29 22.5	C	1.6	32	
			i(pPKP)	35.3				
			eL	02 14.8				
		LPB	PKP	01 29 24.5				136.2
			eL	02 15				
JUN	28	SCS	P	02 12 42.8				
		LPB	P	02 12 46.5		1.0	8	
		PNS	P	02 12 48.6		0.8	4	
JUN	28	PNS	eP	03 24 23				5.7
			eS	25 28				
JUN	28	PNS	P	03 52 54.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	28	USCGS	05 34 06.4, 14.4S, 172.6W, H = 40 Km, M = 4.8					
		SAMOA IS						
		PNS	eP	05 47 38				
			eL	06 21.2				
		LPB	eP	05 47 39				
			eL	06 21				99.0
JUN	28	SCS	eP	06 40 48.3				
		LPB	P	06 40 55		0.8	10	
		PNS	iP	06 40 59.0	C	0.4	4	
JUN	28	PNS	P	07 05 02.6		0.5	1	9.2
			S	06 46				
JUN	28	LPB	P	07 08 53.5	C	0.9	29	4.9
			eS	09 19.5				
		CHA	iP	07 08 54.9	D			
		PNS	iP	07 08 57.5	C	0.5	12	4.8
			S	09 53				
JUN	28	PNS	P	08 05 28.5		0.5	1	
			e(S)	06 07				
		CHA	P	08 05 31.7				
		LPB	eP	08 05 32				
JUN	28	SCS	P	08 13 07.8	D			
		LPB	P	08 13 11.7	C	0.9	15	
		CHA	iP	08 13 13.2				
		PNS	iP	08 13 15.9		0.5	4	5.6
			eS	14 20				
JUN	28	USCGS	11 23 11.8, 22.7S, 68.9W, H = 109 Km, M = 4.0					
		N CHILE						
		CHA	eP	11 24 38.4				
		LPB	eP	11 24 44				6.5
			Pg	25 30				
		PNS	eP	11 24 45.7				
			Pg	25 16.1				
			eS	50				
			eL	26.7				
		SCS	eP	11 24 58.5				
JUN	28	LPB	eP	12 19 24				
		CHA	eP	12 19 27.1				
		PNS	P	12 19 29.1		0.8	5	5.0
			S	20 27				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	28	SCS	eP	13 40 35.2				
		LPB	eP	13 40 40.2				
		PNS	P	13 40 41.0		0.8	3	
JUN	28	PNS	eP	13 59 28				
JUN	28	USCGS	14 34 04.5, 47.0S, 165.8E, H = 37 Km, M = 5.6					
		OFF W CST OF S IS N.Z.						
		LPB	eP	14 47 33.5				100.5
			ePP	51 53.5				
			eSKS	58 24				
			eSS	15 06 54				
			eL	21				
		PNS	P	14 47 51.7		1.3	11	
			i	48 32.5				
			PP	51 59.0				
			eSS	15 06 30				
JUN	28	PNS	eP	16 36 32.8				
			i	41.5				
		LPB	eP	16 36 33.2				
JUN	28	PNS	iP	16 50 13.1	C	0.8	22	1.8
			S	35.6				
		CHA	iP	16 50 15.0	D			
		LPB	P	16 50 15.6		0.9	2	
		SCS	P	16 50 24.7				
JUN	28	PNS	eP	20 19 28		0.5	2	
JUN	28	PNS	P	20 34 17		0.6	3	
JUN	28	LPB	P	21 33 59.5		0.9	25	4.7
			eS	34 54				
		PNS	iP	21 34 03.3	C	0.8	13	4.7
			S	57.2				
		SCS	P	21 34 05.7	D			
JUN	28	USCGS	21 50 25.6, 7.6N, 36.5W, H = 33 Km, M = 4.7					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	21 57 55.0		1.3	38	39.7
			ePP	59 30				
			eL	22 10				
		PNS	P	21 57 55.6	D	1.3	30	
			eL	22 09.9				
		SCS	P	21 58 02.0	D			
JUN	28	PNS	eP	22 28 53.8				
		LPB	eP	22 28 55				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	28	LPB	eP	23 10 12				
JUN	29	PNS	P	01 33 54.6				3.8
			S	34 38.4				
JUN	29	SCS	iP	02 29 13.3	D			
		LPB	P	02 29 19.6		0.7	420	4.0
			i	28				
			eS	30 06				
		CHA	iP	02 29 20.6	D			
		PNS	iP	02 29 26.0	C	0.7	17	4.0
			S	30 12				
		CCH	iP	02 29 50.2	C			
JUN	29	USCGS	02 52 50.1, 5.2N, 82.7W, H = 33 Km, M = 4.8					
		S OF PANAMA						
		PNS	P	02 58 17.3	C	1.5	90	
			S	03 02 47				
			L	03 05.5				
		CHA	P	02 58 19.1				
		LPB	P	02 58 21		1.6	175	26.6
			S	02 46				
			eL	03 06				
		SCS	e(P)	02 58 35.9				
		CCH	P	02 58 37.2				
JUN	29	LPB	eP	04 16 00				
		PNS	P	04 16 01.7				4.7
			S	56				
		CHA	e(P)	04 16 01.8				
JUN	29	LPB	P	04 34 09.6		0.9	7	
		PNS	eP	04 34 10.1				
JUN	29	USCGS	04 26 04.1, 8.7S, 107.8E, H = 59 Km, M = 5.2					
		JAVA						
		PNS	ePKP	04 45 57.8				
			iPKP2	46 19.8				
		LPB	PKP	04 46 03.6				154.9
			eL	05 39				
JUN	29	USCGS	04 53 25.0, 51.7N, 177.0W, H = 58 Km, M = 4.6					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	ePKP	05 11 50.5				114.4
			eL	47				
		PNS	ePKP	05 12 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	29	USCGS	08 22 47.9, 41.6N, 44.0E, H = 25 Km, M = 4.9					
		W CAUCASUS						
		PNS	eL	09 18.9				117.6
JUN	29	USCGS	09 25 47.4, 15.8S, 172.4W, H = 14 Km, M = 4.8					
		SAMOA IS REG						
		LPB	eP	09 39 32.5				98.4
			eL	10 12				
		PNS	L	10 12.5				
JUN	29	LPB	eP	10 40 51				
		PNS	eP	10 40 53.4				
JUN	29	USCGS	10 36 28.7, 21.2S, 174.4W, H = 33 Km, M = 4.4					
		TONGA IS						
		LPB	eL	11 27				107.1
JUN	29	SCS	P	10 54 44.4	D			
		LPB	P	10 54 48		0.8	13	
		CHA	P	10 54 49.3				
		PNS	iP	10 54 52.4	C	0.6	10	
JUN	29	LPB	eP	11 00 52				
		PNS	iP	11 00 57.8	C	0.5	2	3.1
			S	08 34				
JUN	29	PNS	eP	15 37 27.6				
JUN	29	USCGS	15 45 27.5, 28.8S, 71.0W, H = 105 Km, M = 4.3					
		NR CST OF CENTRAL CHILE						
		LPB	P	15 48 24.5		0.5	7	12.3
			eL	51				
		PNS	P	15 48 27.5		0.6	2	
			i	31.1				
JUN	29	PNS	eP	16 39 57				
JUN	29	PNS	P	16 46 39.9				
		LPB	eP	16 46 40				
JUN	29	PNS	P	16 48 21.5	D	0.6	5	3.1
			S	57.6				
		LPB	eP	16 48 24.2		0.5	7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	29	PNS	eP	16 50 33.5				
			eS	53 02				13.3
JUN	29	USCGS	16 36 15.7, 7.2S, 128.6E, H = 121 Km, M = 5.4					
		BANDA SEA						
		LPB	PKP	16 55 52.8	C	1.3	68	151.1
			iPKP2	58.7				
			PP	59 33.7				
			eL	17 38				
		PNS	iPKP	16 55 53.2	C	1.8	170	
			iPKP2	59.1				
			PP	59 34.3				
		CCH	PKP	16 55 57.7	C			
		CHA	iPKP	16 55 58.1				
		SCS	iPKP	16 55 56.2	D			
JUN	29	PNS	P	18 24 37.0		1.0	6	
JUN	29	USCGS	18 45 34.4, 21.5S, 68.6W, H = 122 Km, M = 4.4					
		CHILE-BOLIVIA BOR REG						
		SCS	iP	18 46 43.9	D			
		CCH	iP	18 46 45.4	D			
		LPB	P	18 46 49.3		0.7	273	5.0
			iPq	47 07.4				
		CHA	iP	18 46 51.5				
		PNS	iP	18 46 52.7	D			
			iPq	47 11.4				
JUN	29	SCS	P	18 59 23.6				
		LPB	eP	18 59 32.6		0.7	21	
		PNS	iP	18 59 36.7				
			S	19 00 26				4.2
JUN	29	PNS	eP	19 56 56.2				
JUN	29	USCGS	20 29 53.3, 17.9S, 168.4E, H = 66 Km,					
		NEW HEBRIDES IS						
		LPB	eL	21 24				
		PNS	eL	21 24				114.6
JUN	29	PNS	eP	21 20 26				
			eS	25 43				33.0
		LPB	eP	21 20 28				
			e(S)	25 50.2				34.0
JUN	29	CHA	P	23 26 22.7				
		PNS	P	23 26 29.6		0.5	2	
			S	27 00.7				2.6

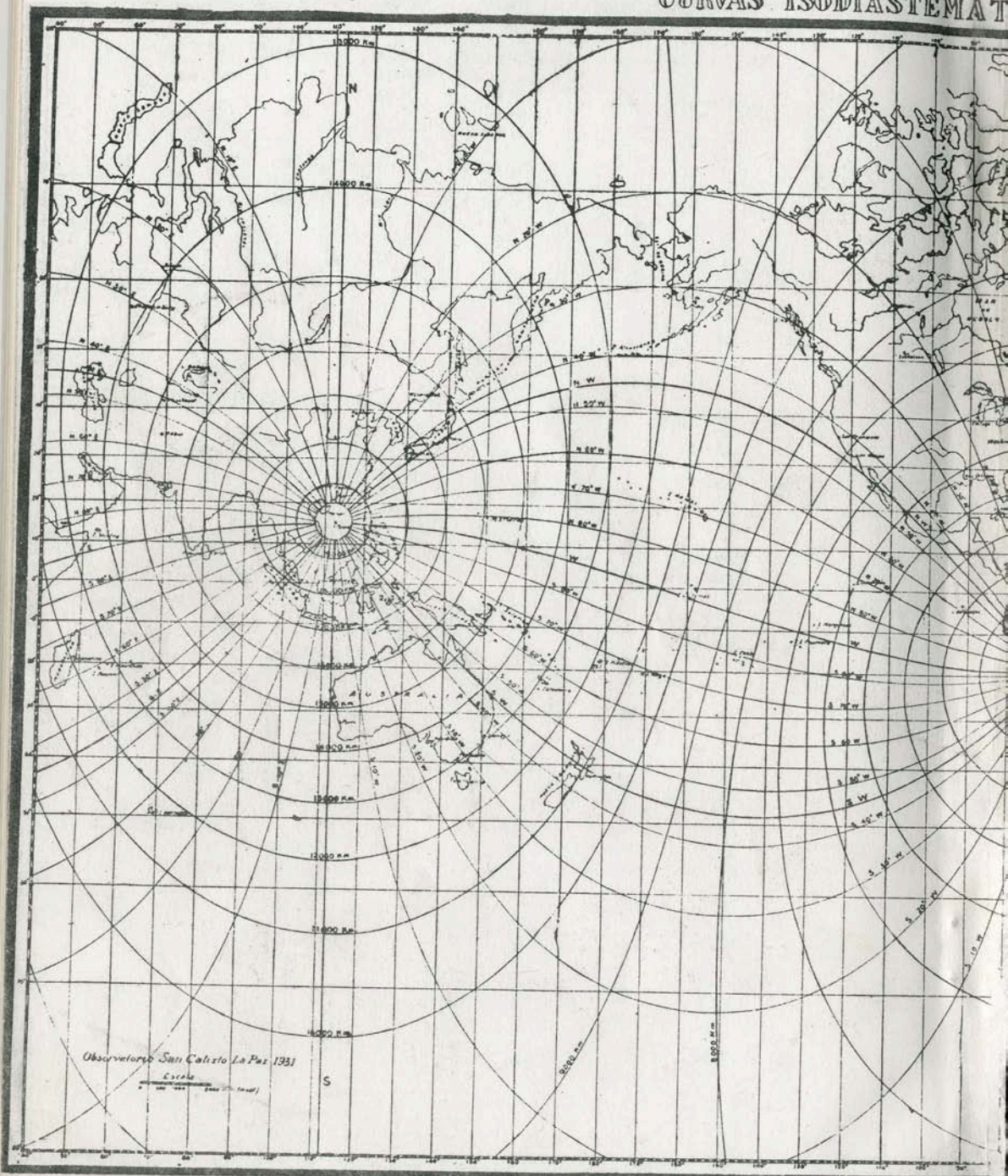
MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	29	LPB	eP	23 31 16.2				
		PNS	P	23 31 20.4		0.8	1	
JUN	29	CHA	P	23 33 20.3				
		PNS	P	23 33 22.8		0.8	2	
		LPB	eP	23 33 23				
JUN	29	PNS	iP	23 35 00	C	0.6	9	2.1
			S	24.7				
		LPB	eP	23 35 01.8				
		CHA	P	23 35 02.6	C			
JUN	29	LPB	eP	23 43 49.5				2.2
			S	44 15.5				
		PNS	iP	23 43 50.4	C	0.8	9	2.2
			iS	44 16.8				
		CHA	P	23 43 50.5				
		SCS	P	23 43 50.8				
JUN	29	USCGS	23 46 48.8, 39.6N, 89.3E, H = 33 Km, M = 4.2					
		S SINKIANG PROV, CHINA						
		PNS	ePKP	00 06 33				
		LPB	ePKP	00 06 35				147.1
			eL	57				
JUN	30	USCGS	00 13 52.5, 70.4N, 15.3W, H = 33 Km, M = 4.6					
		JAN MAYEN IS REG						
		LPB	eP	00 27 09				94.0
JUN	30	PNS	iP	00 28 27.8	D	0.8	64	5.0
			S	29 25				
		CHA	pP	00 28 33.8	D			
			i	40.4				
		LPB	P	00 28 36.5		0.8	72	4.5
			eS	29 29				
		SCS	iP	00 28 50.1	D			
		CCH	P	00 28 52.9				
JUN	30	PNS	P	00 50 51.5		0.8	3	
JUN	30	LPB	P	00 51 48.2				
		PNS	iP	00 51 50.7	D	0.6	8	1.9
			S	52 13.4				
		CHA	P	00 51 52.6	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	30	LPB	eP	01 15 49.5				
		PNS	P	01 15 51.5	C	1.0	6	
						0.8	4	
JUN	30	CCH	P	02 44 14.5				
		SCS	eP	02 44 50.7				
		LPB	P	02 44 52.8				
			S	45 30		0.8	7	3.2
		CHA	P	02 44 53 3				
		PNS	P	02 45 00.4				
			S	41.2				3.5
JUN	30	PNS	iP	03 15 04.0	D	0.8	15	
		LPB	P	03 15 05		0.9	7	
JUN	30	PNS	P	03 38 59.7				
			S	29 43.5				
		LPB	eP	03 29 00.8				3.8
JUN	30	PNS	iP	05 00 18.1	D	0.6	6	
			S	40.6				1.8
		CHA	iP	05 00 20.1	D			
		LPB	eP	05 00 24.5				
			S	47.2				1.9
JUN	30	LPB	eP	05 14 18.5				
			eS	15 16				5.0
		CHA	P	05 14 19.0				
		PNS	P	05 14 20.7				
			S	15 18.6		0.8	7	
		SCS	eP	05 14 46.8				5.1
JUN	30	PNS	eP	05 20 05.5				
			S	33.8				2.3
JUN	30	LPB	eP	05 50 02				
		PNS	eP	05 50 04.7				
		CCH	P	05 50 12.0				
JUN	30	PNS	eP	07 50 24.4				
		LPB	eP	07 50 26.6				
JUN	30	LPB	eP	09 63 31.2				
			S	44.2		0.6	14	1.0

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUN	30	LPB	eP	11 32 51.8		1.0	20	6.5
			eS	34 06.2				
		PNS	eP	11 32 53				6.4
			i	33 19				
			S	34 06				
		CHA	eP	11 32 54.6				
		SCS	P	11 32 58.4				
		CCH	eP	11 32 54.6				
JUN	30	USCGS	11 42 33.3, 11.0N, 86.6W, H = 44 Km, M = 4.5					
		NR CST OF NICARAGUA						
		LPB	eP	11 49 05				33.0
			eL	59				
		PNS	eP	11 49 04				
			L	58.4				
JUN	30	LPB	P	12 09 03.7		0.4	17	
		PNS	P	12 09 03.8				
JUN	30	LPB	eP	15 38 31.2				
		PNS	P	15 38 34.4				
JUN	30	USCGS	16 03 00.9, 15.8S, 165.9E, H = 60 Km,					
		NEW HEBRIDES IS						
		LPB	ePKP	16 21 49				118.1
			eL	59				
JUN	30	PNS	P	18 11 47.4		0.8	4	
			i	54.8				
		LPB	eP	18 11 48.2				
JUN	30	USCGS	19 29 59.9, 52.0N, 175.3E, H = 62 Km, M = 4.8					
		RAT IS, ALEUTIAN IS						
		LPB	eL	20 26				119.2
		PNS	eL	20 26.7				
JUN	30	PNS	P	21 02 30.6		0.6	2	
		LPB	P	21 02 31.3				
JUN	30	PNS	P	21 32 45.8				
		LPB	eP	21 32 46.4				
JUN	30	USCGS	22 10 35.7, 22.4S, 69.0W, H = 106 Km, M = 4.4					
		N CHILE						
		SCS	iP	22 12 01.0	D			
		CCH	iP	22 11 59.2	D			
		CHA	iP	22 12 05.6	D			
		LPB	eP	22 12 04.2				5.1
			S	59				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	P	22 12 05.8		1.0	12	
			i(PPP)	36.4				
			eS	13 04				
			L	14.6				
JUN	30	CHA	P	23 35 35.8	C			
		LPB	P	23 35 40		0.5	8	
		PNS	P	23 35 41.5		0.6	2	

CURVAS ISODIASTEMAT



IMP. OFFSET TIAHUANACU INDEPENDENCIA 103 - La Paz