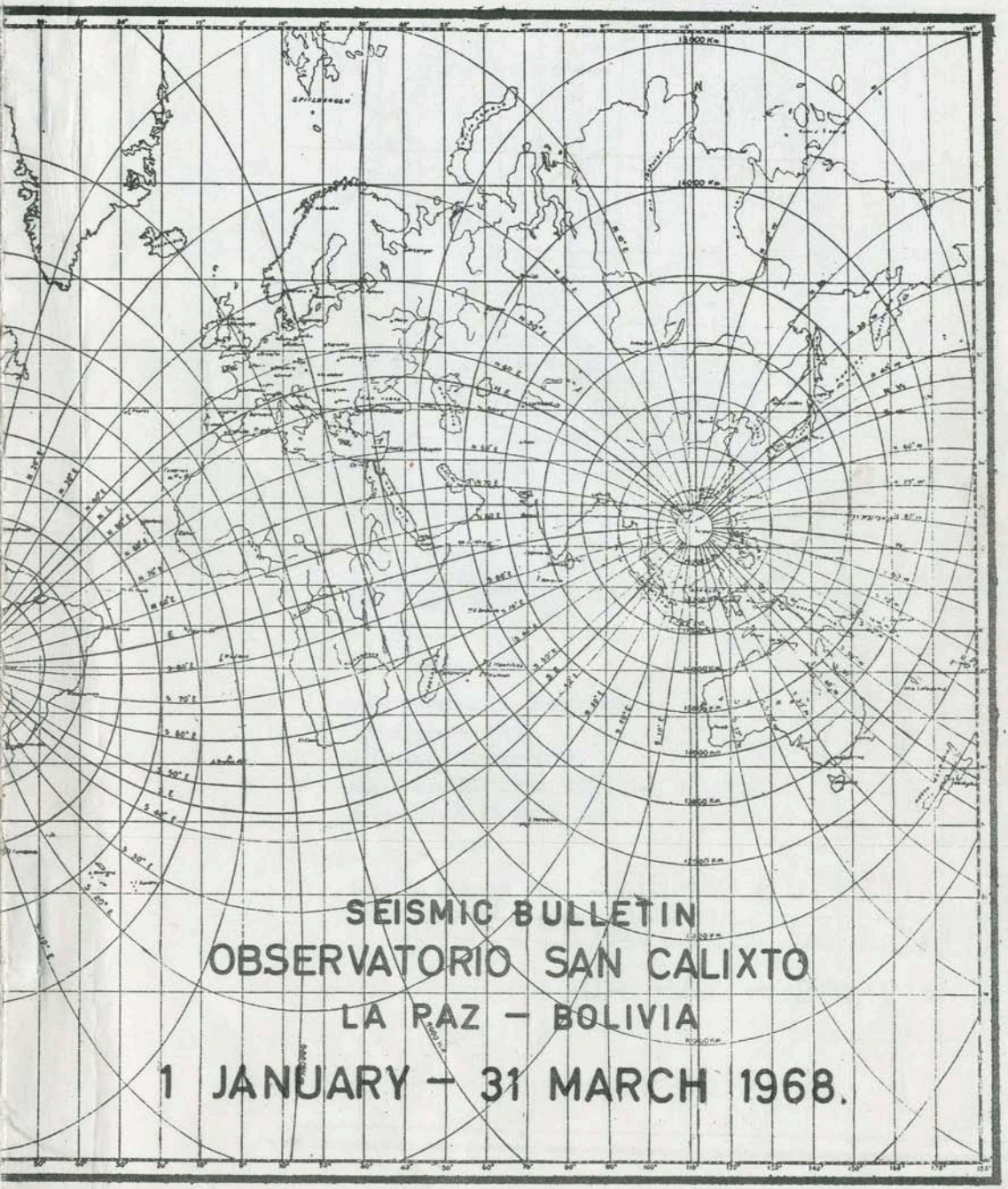
PKP P/S SKS PCD. N

PARA LA PAZ



SEISMIC BULLETIN

OBSERVATORIO SAN CALIXTO

LA PAZ – BOLIVIA

1 JANUARY – 31 MARCH 1968.

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 JANUARY - 31 MARCH

1968

Network Director
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Assisted by

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Casilla 283, La Paz,
BOLIVIA, South America.

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

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=2sec.	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"W	68°05'54.1W	3292	SP three componets 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
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.	

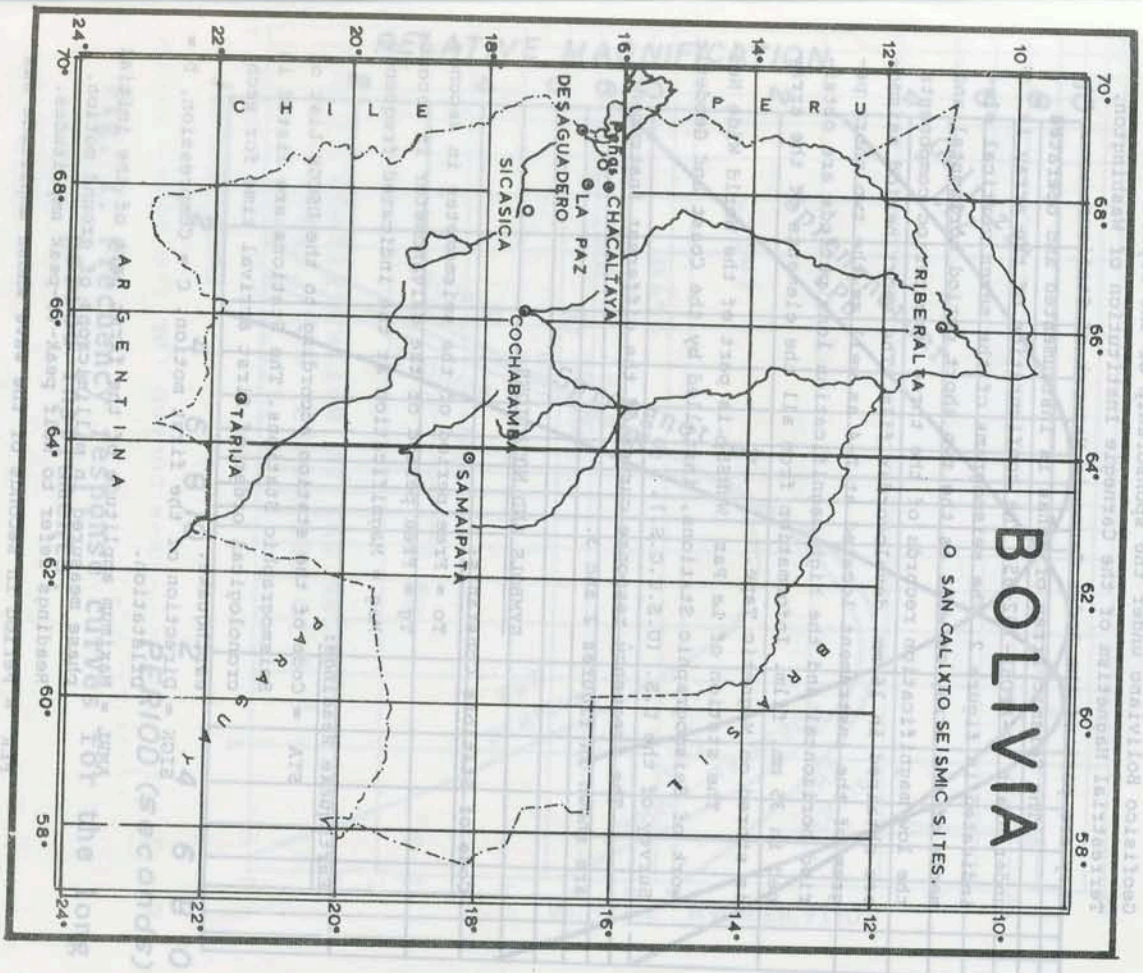

Fig. 1. Location of Bolivian network of seismic stations.

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.

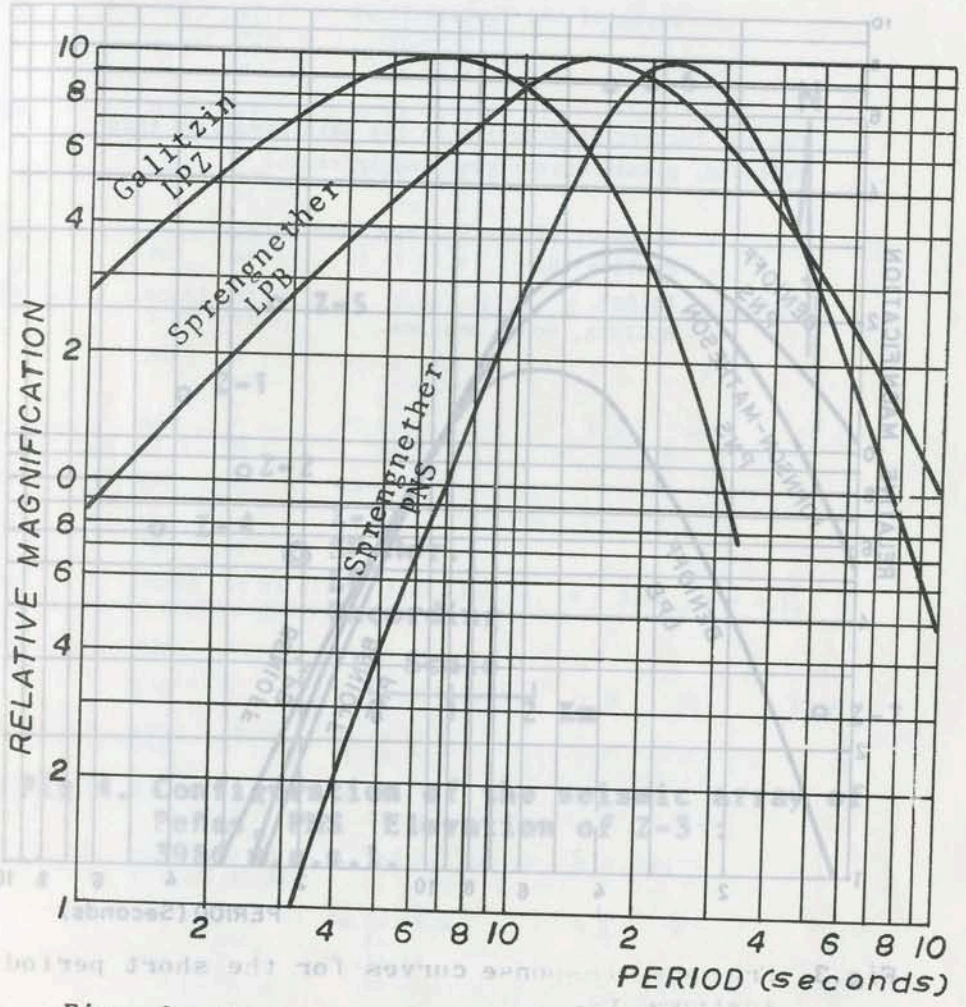

Fig. 2. Frecuency response curves for the long period instruments.

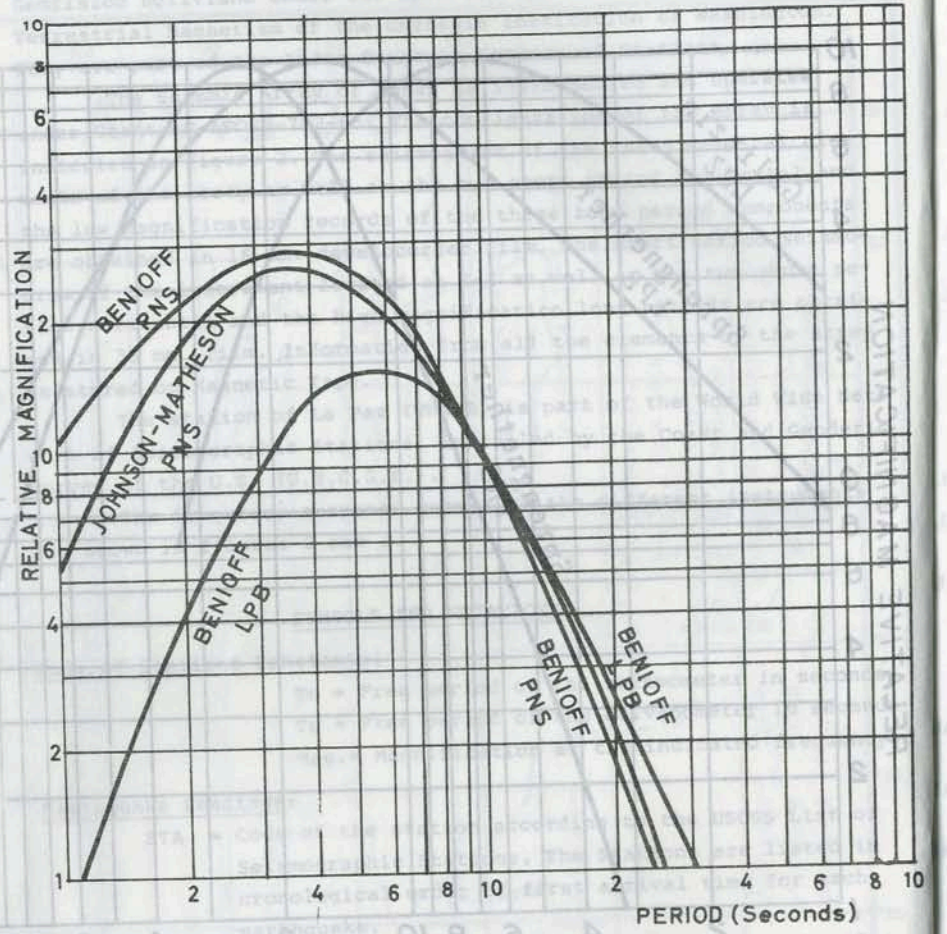

Fig.3. Frequency response curves for the short period instruments.

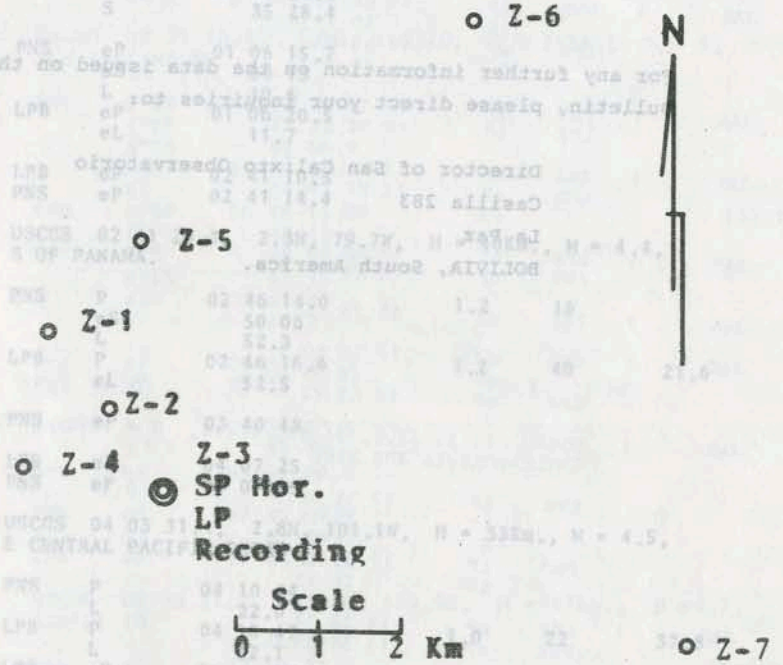

Fig 4. Configuration of the seismic array of Peñas, PNS Elevation of Z-3 : 3986 m.a.s.l.

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
JAN	1	LPB	eP	00 32 29.5				
			eS	35 29.5				
		PNS	eP	00 32 34.9				
			S	35 28.4				
JAN	1	PNS	eP	01 06 15.7				
			eS	09 13				
			L	10.6				
		LPB	eP	01 06 20.5				
			eL	11.7				
JAN	1	LPB	eP	02 41 10.5				
		PNS	eP	02 41 14.4				
JAN	1	USCGS	02 41 25.1, 2.3N, 79.7W, H = 40Km., M = 4.4, S OF PANAMA.					
		PNS	P	02 46 14.0		1.2	16	
			eS	50 06				
			L	52.3				
		LPB	P	02 46 16.6		1.2	40	21.6
			eL	52.5				
JAN	1	PNS	eP	03 40 48				
JAN	1	LPB	eP	04 07 25				
		PNS	eP	04 07 25				
JAN	1	USCGS	04 03 31.4, 2.8N, 101.1W, H = 33Km., M = 4.5, E CENTRAL PACIFIC OCEAN.					
		PNS	P	04 10 44				
			L	22.0				
		LPB	P	04 10 47		1.0	22	37.8
			L	22.1				
JAN	1	LPB	eP	05 48 03.5				
		PNS	P	05 48 05.1				
JAN	1	PNS	iP	06 12 53.2	D	0.4	9	
			eS	13 08				
JAN	1	USCGS	06 10 53.4, 62.2N, 149.5W, H = 33Km., CENTRAL ALASKA					
		PNS	eP	06 24 34.6		0.9	4	
			eL	59				
		LPB	P	06 24 38				
			eL	59				
AN	1	USCGS	08 16 15.3, 11.2S, 76.0W, H = 132Km., M = 4.4, PERU					
		PNS	P	08 18 21.8		0.8	4.1	
			iPPP	18 39.1				
			eS	20 12				
			eL	20.8				
			i	22 18				
		LPB	P	08 18 27.3				
			e	18 32				
			eL	21				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	1	LPB	eP	08 44 43				
		PNS	eP	08 44 47.5				
JAN	1	PNS	iP	08 58 54.1	C	0.4	11	
			iS	59 16.0				
		LPB	eP	08 59 03				
			S	59 19.2				
JAN	1	PNS	iP	10 34 50.8				
		LPB	eP	10 34 52				
JAN	1	PNS	eP	12 01 18				
		LPB	eP	12 01 18.2				
			eS	03 21.3				
JAN	1	LPB	eP	13 28 55.2				
		PNS	eP	13 28 56				
JAN	1	PNS	eP	13 39 45				
JAN	1	PNS	eP	16 53 09.5				
			eS	54 00				
		LPB	eP	16 53 14		1.0	10	
JAN	1	USCGS 17 33 47.0, 21.8S, 67.5W, H = 189Km., M = 4.3, CHILE-BOLIVIA BOR REG.						
		LPB	iP	17 35 06.8	D	0.8	16	5.4
			i	35 15.5				
			S	36 07.7				
		PNS	iP	17 35 10.3	D			
			iS	36 13				
JAN	1	LPB	eP	18 38 11				
		PNS	eP	18 38 49.7				
JAN	1	USCGS 19 07 22.5, 27.1S, 62.8W, H = 641Km., M = 3.9, SANTIAGO DEL ESTERO PROV.						11.7
		LPB	eP	19 09 59				
			eS	12 04.5				
		PNS	eP	19 10 00.4				
			eS	12 11.2				
JAN	1	PNS	iP	20 04 02.3	D	0.3	4	
			S	04 24				
JAN	1	USCGS 20 18 47.7, 27.5S, 71.7W, H = 33Km., M = 4.7, NR CST OF N CHILE.						11.2
		LPB	eP	20 21 31.5				
		PNS	iP	20 21 33.7	C	0.1	21	
			eL	24.3				
						0.9	35	
JAN	1	LPB	P	20 37 37.5				
			S	38 49				
		PNS	iP	20 37 40.0	C	0.5	7	
			S	38 56				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	1	LPB	eP	22 51 44.5				
		PNS	eP	22 51 57.7				
			eS	53 06				
JAN	2	USCGS 00 21 10.8, 5.1S, 153.4E, H = 55Km., M = 5, NEW IRELAND REG.						
		PNS	ePKP	00 40 10.6				
			iPKP	40 27.4				
			iPKS	43 56.8				
			SS	01 00 33				
			eL	24				
		LPB	ePKP	00 40 11.2				133.1
			ipPKP	40 28.2				
			PKS	43 52.4				
			eSKS	47 17				
			eSS	01 01 32				
			L	24.2				
JAN	2	LPB	eP	00 52 26.7				
		PNS	eP	00 52 41		1.5	18	
JAN	2	PNS	P	04 31 53.5				
			S	32 16				
		LPB	eP	04 32 09.2				
JAN	2	PNS	eP	07 41 07.9				
			S	41 58				
		LPB	eP	07 41 09.6				
JAN	2	USCGS 07 30 11.7, 45.7N, 150.9E, H = 87Km., M =4.7, KURILE IS.						
		LPB	eP	07 49 25.7				136.8
			eL	08 34				
		PNS	eL	08 33.7				
JAN	2	USCGS 07 35 32.7, 17.1N, 99.8W, H = 60Km., M = 4.1, GUERRERO. MEXICO.						
		PNS	eP	07 43 48.2		1.4	13	
			eL	58.1				
		LPB	eP	07 43 51.5				46.0
			eL	59				
JAN	2	PNS	eP	08 19 11.5				
		LPB	eP	08 19 19				
JAN	2	LPB	eP	08 31 02				
		PNS	P	08 31 14.9		0.4	2	
			S	31 38.6				
JAN	2	LPB	P	08 40 56.7	D	0.7	25.2	
			S	41 53.4				
		PNS	iP	08 41 00.7	C	0.7	10	
			eS	42 00				
JAN	2	PNS	eP	09 44 47				
		LPB	eP	09 44 53.5				

1968.

JANUARY

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	2	LPB	eP	09 58 03.2				
		PNS	iP	09 58 32.6	D	0.5	3	
			S	58 55.6				
JAN	2	USCGS 11 45 55.9, 40.5N, 140.8E, H = 50Km., M = 4.7, HONSHU. JAPAN.						
		PNS	ePKP	12 05 32.3				
		LPB	ePKP	12 05 34				145.3
			eL	55				
JAN	2	USCGS 11 59 32.0, 29.4N, 52.6E, H = 26Km., M = 5.0, S IRAN.						
		LPB	ePKP	12 18 33				124.6
			eL	58				
		PNS	ePKP	12 18 33				
JAN	2	USCGS 12 45 04.5, 22.8S, 171.4E, H = 33Km., LOYALTY IS REG.						
		LPB	ePKP	12 59 34				109.8
JAN	2	LPB	eP	13 01 07				
		PNS	eP	13 01 15.4		0.7	3	
			S	01 40				
JAN	2	PNS	eP	13 48 58.8				
			S	50 22.6		0.9	10	
		LPB	eP	13 48 59				
			eS	50 16				
JAN	2	PNS	iP	16 38 46.2	D	0.6	8	
			S	39 09.1				
		LPB	iP	16 38 46.3				
			S	39 10				
		CCH	eP	16 39 01.3				
JAN	2	USCGS 22 45 08.5, 22.6S, 66.6W, H = 237Km., M = 5.3, JUYJUY PROV. ARGENTINA.						
		CCH	iP	22 46 27.0	D			
		LPB	iP	22 46 40.8	C			700
			S	47 38.5				
		PNS	iP	22 46 44.5	C			
			S	47 42				
JAN	2	PNS	P	23 31 49.4		1.1	7	
		LPB	eP	23 31 50				
JAN	2	LPB	eP	23 38 06.7				
		PNS	eP	23 38 07				
			e	38 41				
JAN	3	CCH	P	01 46 30.9				
		LPB	eP	01 46 35		0.9	12	
			S	47 25				
		PNS	P	01 46 37.6		0.8	6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	3	USCGS 02 24 54.1, 51.8N, 173.3W, H = 39Km., M = 4.6, ANDREANOF IS, ALEUTIAN IS.						
		LPB	ePKP	02 43 27.5				112.1
			eL	03 18				
		PNS	eL	03 18.2				
JAN	3	USCGS 03 05 47.7, 4.5S, 145.1E, H = 33Km., M = 4.8, NR N CST OF NEW GUINEA.						
		LPB	ePKP	03 25 10				140.4
			pPKP	25 20.7				
			eL	04 12				
		PNS	ePKP	03 25 10.4				
			eL	04 12.7				
		CCH	ePKP	03 25 25.8				
JAN	3	USCGS 04 09 34.9, 72.3N, 6.5E, H = 33Km., M = 5.4 , NORWEGIAN						
		LPB	eP	04 23 19.5				101.0
			eL	58				
		PNS	eP	04 23 22.3				
			eSS	41 00				
			eL	57.6				
JAN	3	LPB	eP	04 42 41				
		PNS	eP	04 42 42.6				
JAN	3	LPB	eP	04 58 51		0.9	5	
JAN	3	USCGS 06 38 36.7, 5.3N, 82.5W, H = 27Km., M = 4.6, S OF PANAMA.						
		PNS	eP	06 44 05.4				
			eS	48 30				
			eL	50.1				
		LPB	P	06 44 10.8		1.0	16	25.1
			eS	48 44				
			eL	51				
		CCH	eP	06 44 22.0				
JAN	3	LPB	eP	07 32 40				
JAN	3	USCGS 07 37 55.2, 72.2N, 1.2E, H = 33Km., M = 5.3, NORWEGIAN SEA.						
		LPB	eL	08 25.3				
		PNS	eL	08 25.4				
JAN	3	LPB	eP	08 06 36				
		PNS	eP	08 06 39.4				
			eS	07 30				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	3	USCGS 07 49 04.0, 54.9N, 161.5E, H = 39Km., M = 4.8, NR E CST OF KAMCHATKA.						
		LPB	ePKP	08 07 48				126.3
			eL	49				
		PNS	eL	08 49				
JAN	3	USCGS 10 18 00.7, 59.7N, 146.8W, H = 19, M = 4.7 GULF OF ALASKA.						
		LPB	eP	10 31 36				98.7
			eL	11 04				
		PNS	eP	10 31 36				
			eL	11 04				
JAN	3	LPB	iP	11 48 21.3	D	0.7	26	
			S	48 48.5				
		PNS	iP	11 48 21.4	D			
			S	48 49.6				
		CCH	P	11 48 35.4				
JAN	3	PNS	P	13 08 50.9	D	0.5	3	
			eS	09 19				
JAN	3	LPB	P	16 32 29.2		0.8	19	
			S	32 58.4				
JAN	3	PNS	P	16 37 56.4		0.5	3	
JAN	3	PNS	P	18 10 06		0.5	4	
JAN	3	PNS	eP	18 41 10				
			eS	41 53				
JAN	3	USCGS 19 14 55.6, 10.8N, 102.7W, H = 33Km., M = 4.6, OFF CST OF MEXICO.						
		PNS	eP	19 22 57.6		1.8	71	
			eL	35.9				
		LPB	eP	19 22 59.0				43.1
JAN	3	LPB	eP	20 04 51		1.0	15	
		PNS	P	20 04 52.8		0.5	7	
			S	05 44				
JAN	3	PNS	P	20 45 39.1		0.5	3	
JAN	3	PNS	eP	20 47 38				
JAN	3	PNS	P	21 00 35.4		0.5	7	
			S	01 00				
JAN	3	PNS	eP	21 04 55.5				
JAN	3	USCGS 20 59 36.5, 17.1N, 99.5W, H = 33Km., M = 4.3, GUERRERO, MEXICO						
		PNS	P	21 07 52.2		1.0	15	
		LPB	P	21 07 55.5				45.7
			eL	22				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	3	LPB	eP	22 24 19.6				
		PNS	eP	22 24 21.9				
JAN	3	PNS	eP	23 04 08.3				
		LPB	ePKP	23 04 10.2				
JAN	4	PNS	eP	00 11 11.2				
JAN	4	LPB	eP	00 33 34				
			eL	51				
		PNS	eP	00 33 35				
			eL	51				
JAN	4	PNS	eP	00 55 50				
			eS	56 18				
JAN	4	PNS	eP	00 58 13				
			e	58 18.6				
JAN	4	PNS	P	01 12 10				
JAN	4	USCGS 00 57 44.4, 52.2N, 171.3W, H = 36, M = 5.7, FOX IS. ALEUTIAN IS.						
		PNS	ePKP	01 16 15.8				
			e	17 30				
			eSKS	22 54				
			PS	26 28				
			SS	32 31				
			eT	43.5				
			L	50.7				
		LPB	ePKP	01 16 16.3				110.9
			eSKS	22 54				
			PS	26 28				
			eSS	32 30				
			eL	51				
JAN	4	PNS	eP	01 27 09				
JAN	4	PNS	iP	01 40 50.7	D			
			S	41 13				
		LPB	iP	01 40 52.5	D	0.8	7	
			iS	41 16				
		CCH	P	01 41 12.5				
JAN	4	PNS	eP	01 59 07.8				
JAN	4	USCGS 03 39 25.9, 9.5S, 75.5W, H = 94Km., M = 4.4, PERU.						
		LPB	eP	03 41 40.5	D			9.9
			S	43 42				
		PNS	eP	03 41 42.5				
			S	43 36.8				
			i	45 42				
		CCH	eP	03 42 14.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	4	CCH	eP	06 01 40.0				
		LPB	P	06 01 48.7	D	1.0	12	
			eL	10.7				
		PNS	eP	06 01 50.7		0.7	8	
			eL	10				
JAN	4	PNS	eP	07 22 40.9				
JAN	4	PNS	P	07 58 49.4		0.4	3	
			S	59 12.8				
JAN	4	USCGS 08 09 18.9, 2.6N, 75.0W, H = 72Km., M = 4.2, COLOMBIA.						
		LPB	eP	08 13 50				10.8
		PNS	eP	08 13 52.0				
			eL	19.3				
JAN	4	PNS	iP	09 44 44.6	D			
			iS	45 06.4				
		LPB	iP	09 44 45.7	D	0.9	34	
			iS	45 10.9				
		CCH	P	09 45 04.5				
JAN	4	USCGS 09 45 32.8, 31.6N 138.3E, H = 372Km., M = 4.3, S OF HONSHU. JAPAN.						
		LPB	ePKP	10 04 37.5				151.5
			eL	57				
		PNS	ePKP	10 04 39				
			e	04 46.8				
			pPKP	06 27				
			eL	56.8				
JAN	4	USCGS 10 03 56.5, 12.1N, 86.3W, H = 5Km., M = 4.6, NICARAGUA.						
		PNS	eP	10 10 31.8				
			ePP	13 12.8				
			eL	20				
		LPB	eP	10 10 32				33.3
			eL	20				
JAN	4	PNS	eP	10 41 58		0.9	6	
JAN	4	USCGS 10 27 37.7, 9.9S, 148.9E, H = 19Km., M = 5.4, E NEW GUINEA REG.						
		PNS	ePKP	10 46 57.7				
			PKP	50 12				
			eSS	11 07 30				
			eG	23.7				
			eL	31.6				
		LPB	PKP	10 47 00.5	D	0.8	15	135.0
			PKS	50 33				
			eL	11 31				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	4	PNS	P	11 29 23.7		0.4	3	
			S	29 56.8				
JAN	4	PNS	eP	11 42 42.9				
JAN	4	PNS	iP	12 42 07.7	D			
			S	42 34				
		LPB	iP	12 42 08.6	D	0.8	12	
			iS	42 34.5				
		CCH	eP	12 42 17.6				
JAN	4	PNS	eP	14 11 55.3				
			e	12 23				
JAN	4	USCGS 14 48 30.3, 21.5S, 70.7W, H = 44Km., M = 4.9 NR CST OF N CHILE.						
		LPB	eP	14 49 53.5				5.5
			i	49 55.5				
			S	50 57				
			L	51.8				
		PNS	eP	14 49 55.6				
			S	50 58.5				
			L	51.8				
		CCH	P	14 50 01.1				
JAN	4	PNS	eP	16 36 53.4				
			eS	37 35				
JAN	4	PNS	eP	20 14 17.3		0.8	7	
			e(L)	30.9				
		LPB	eP	20 14 31		0.8	13	
JAN	4	LPB	P	21 42 20.6	C	0.8	30	
		PNS	iP	21 42 21.2	D			
			S	42 44				
JAN	4	PNS	P	20 32 24.1		0.4	2	
JAN	4	USCGS 22 10 17.1, 21.2S 179.1W, H = 124Km., M = 4.8, W OF TONGA IS.						
		PNS	SS	22 34 50				
		LPB	eL	22 58				102.6
JAN	5	PNS	iP	02 30 55.9	D	0.4	14	
			S	31 18.6				
JAN	5	PNS	eP	03 01 40				
			S	02 04.2				
JAN	5	PNS	P	03 33 29.6		0.4	3	
			S	33 54.3				
JAN	5	USCGS 04 26 05.6, 26.5N, 44.5W, H = 33Km., M = 4.5, NORTH ATLANTIC RIDGE.						
		PNS	P	04 34 47.8		1.0	16	
			eL	49.5				
		LPB	P	04 34 48.0		1.0	20	48.6
			eL	50.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	5	PNS	eP	04 58 22				
JAN	5	PNS	eP	05 11 14				
			S	11 43				
JAN	5	LPB	iP	05 12 47.6	C	0.7	14	
		PNS	iP	05 12 50.8	C	0.7	21	
			S	13 33.8				
JAN	5	PNS	iP	05 58 25.5	D	0.5	13	
			S	58 47.9				
JAN	5	PNS	eP	06 07 04.9				
		LPB	P	06 07 09	C			
JAN	5	USCGS 06 42 44.7, 30.4N, 79.1E, H = 7Km., M = 5.4, TIBET-INDIA BOR REG.						
		PNS	ePKP	07 02 30.0		1.5	16	
			eL	52.7				
		LPB	PKP	07 02 36.0	C	1.0	10	147.
			eL	52				
JAN	5	USCGS 08 00 19.2, 16.6S, 173.7W, H = 70Km., M = 4.5, TONGA IS.						
		LPB	eP	08 13 54				99.1
		PNS	eL	08 47.6				
JAN	5	USCGS 08 22 40.0, 36.9N, 140.3E, H = 79Km., M = 4.1, NR E CST OF HONSHU, JAPAN						
		PNS	ePKP	08 42 16.6				
			eL	09 32.8				148
		LPB	ePKP	08 42 20.5				
JAN	5	LPB	P	09 00 04.9	C	1.0	15	
		PNS	eP	09 00 06				
			eS	01 00				
JAN	5	LPB	eP	09 29 31.5				
		PNS	eP	09 29 31.8				
JAN	5	USCGS 09 18 09.9, 55.9N, 154.6W, H = 33Km., M = 4.8, S OF ALASKA.						
		LPB	eL	10 07				101.7
		PNS	eL	10 06.8				
JAN	5	PNS	eP	09 46 44				
JAN	5	PNS	P	12 51 06.4		0.7	2	
JAN	5	PNS	P	14 24 18.6		0.6	5	
			eS	25 10				
		LPB	P	14 24 25.5				
			S	25 22				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	5	PNS	P	16 50 12.1		0.7	5	
			S	50 54.6				
JAN	5	PNS	eP	16 57 36				
JAN	5	PNS	eP	20 38 57.9		0.5	2	
JAN	5	PNS	P	21 44 49.6				
			eS	45 26				
JAN	6	LPB	eP	03 04 03				
JAN	6	LPB	P	04 22 28.6		0.7	28	
JAN	6	LPB	eP	04 30 24				
JAN	6	LPB	iP	06 22 11.4	C			
			S	23 21.5				
		PNS	P	06 22 15.7		0.4	2	
JAN	6	PNS	iP	08 46 22.3	D			
			S	46 45				
		LPB	P	08 46 24.2	D	0.8	30	
			S	46 49				
JAN	6	LPB	eP	08 52 31.5				
		PNS	eP	08 52 36.6		0.7	3	
JAN	6	PNS	eP	09 42 51				
JAN	6	LPB	P	12 34 08.7	D	0.9	46	
			eS	42 35				
		PNS	P	12 34 10.0		1.0	13	
JAN	6	PNS	eP	12 41 34				
JAN	6	USCGS 14 32 35.7, 8.6S, 74.3W, H = 155Km., M = 4.3, PERU-BRAZIL BOR REG						
		PNS	P	14 34 51.4		0.7	4	
			pP	35 06.8				
			eS	36 44				
		LPB	P	14 34 56.5	C			9.9
			S	36 43				
JAN	6	PNS	iP	15 09 07.0	D	0.5	10	
JAN	6	PNS	P	15 20 14.4		0.8	6	
JAN	6	USCGS 15 13 28.7, 16.4N, 92.1E, H = 33Km., M = 5.1, BAY OF BENGAL.						
		LPB	ePKP	15 33 29				161.2
			PKP2	34 11.7				
			eL	16 30				
		PNS	ePKP	15 33 29.8				
			PKP2	34 13				
			eSS	58 10				
			eL	16 30.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	6	USCGS	15 50 00.7, 27.2N, 69.4W, H = 60Km., M = 5.0, N CHILE.					
		LPB	eP	15 52 33.6	D			10.4
			pP	53 45.5				
		PNS	P	15 52 37.9	D	0.7	7	
JAN	6	LPB	P	16 49 59.9	D	0.8	18	
			S	50 13				
		PNS	P	16 50 03.7		0.6	24	
			S	51 21				
JAN	6	PNS	eP	17 19 04				
JAN	6	PNS	P	17 29 28.4				
JAN	6	PNS	P	17 50 03.8		0.8	5	
			S	51 20				
JAN	6	PNS	eP	19 15 57				
			eS	17 01				
JAN	6	LPB	eP	19 45 14.5		1.1	17	
		PNS	P	19 45 17.5		0.7	7	
JAN	6	PNS	P	20 44 47.4				
			i	44 52.7				
			L	57				
		LPB	eP	20 44 55.5		1.1	15	
			L	57.0				
JAN	6	PNS	eP	20 52 48.6				
JAN	6	PNS	eP	21 03 13.9				
JAN	6	PNS	P	21 52 03.9		0.8	4.0	
			L	22 02				
		LPB	P	21 53 00.7	D	0.6	7	
			L	22 04.8				
JAN	6	PNS	eP	22 07 53				
JAN	6	USCGS	23 27 21.2, 27.8S, 71.1W, H = 33Km., M = 5.8, NR CST OF N CHILE.					
		LPB	eP	23 30 05.2				11.2
			iPP	30 08.2				
			iS	32 27				
			iL	33 45				
		PNS	P	23 30 08.1				
			S	32 30				
JAN	7	PNS	eP	00 19 57				
JAN	7	USCGS	00 23 16.3, 27.8S, 70.9W, H = 33Km., M = 1.9, NR CST OF NORTHERN CHILE.					
		LPB	P	00 26 02.3				11.3
			i	26 32.5				
		PNS	P	00 26 03.9		0.7	3	
			iPPP	26 21.9				
			S	28 00				

ONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AN	7	PNS	iP	00 55 02.7	C	0.3	3	
			S	55 09.6				
		LPB	eP	00 55 05.7				
			S	55 13				
AN	7	PNS	eP	02 42 46.8				
AN	7	USCGS	04 05 38.3, 37.6N, 114.9E, H = 33Km., M = 5.0, NE CHINA.					
		LPB	ePKP	04 25 36				159.0
			eL	05 21				
		PNS	ePKP	04 25 36.3				
			eL	05 21				
AN	7	PNS	eP	04 55 52.6				
AN	7	PNS	eP	06 33 51				
			eS	35 54				
AN	7	LPB	eP	06 41 29.4				
		PNS	P	06 41 30				
			S	42 01				
AN	7	USCGS	07 09 31.5, 12.3N, 143.6E, H = 33Km., M = 4.8, S OF MARIANA IS.					
		PNS	ePKP	07 29 13.4				
			eL	08 20.7				
		LPB	ePKP	07 29 19.5				149.2
AN	7	USCGS	07 42 03.6, 43.7N, 134.0E, H = 378Km., M = 4.5, NR E CST OF E RUSSIA.					
		LPB						146.8
		PNS	eL	08 51.8				
AN	7	LPB	eP	09 44 21.5				
			S	44 50				
		PNS	iP	09 44 23.1	C	0.4	3	
			S	44 51.8				
AN	7	PNS	P	10 10 12.9		0.9	18	
			i	11 03				
			i	12 16.7				
		LPB	P	10 10 19.7		0.8	51	
AN	7	USCGS	09 56 40.3, 5.1S, 153.9E, H = 118Km., M = 5.6 NEW IRELAND REG.					
		PNS	ePKP	10 15 31.2				
			i	15 44.9				
			PKS	18 56.6				
			SS	35 40				
			iG	52.9				
			eL	58.7				
		LPB	ePKP	10 15 35				133.9
			i	15 45.3				
			ePKS	18 53				
			SS	36 00				
			G	53				
			L	59				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	7	LPB	eP	10 28 06.5				
		PNS	eP	10 28 07				
JAN	7	PNS	eP	10 29 24.9		0.6	11	
		LPB	P	10 29 30.8		0.8	16	
JAN	7	PNS	eP	10 34 39.7				
		LPB	eP	10 34 46				
JAN	7	PNS	eP	10 39 42.6				
JAN	7	PNS	eP	11 22 43				
JAN	7	USCGS	11 12 33.9, 33.5N, 141.6E, H = 48Km., M = 5.5, OFF E CST OF HONSHU, JAPAN					
		PNS	PKP	11 32 16.4		3.0	535.0	
			eG	12 14.2				
			L	12 23.3				
		LPB	PKP	11 32 17.4		3.0	690	148.6
			eSS	55 17				
			eL	12 23.5				
JAN	7	PNS	eP	13 10 44				
			S	10 20.6				
JAN	7	PNS	eP	13 45 00.6				
			S	45 51.4				
JAN	7	PNS	eP	14 02 38				
JAN	7	PNS	P	14 23 09.0				
			S	23 39				
JAN	7	PNS	eP	14 41 05.2				
JAN	7	PNS	eP	14 41 48.6				
			i	42 02.9				
		LPB	eP	14 41 53.7				
			i	42 08.5				
JAN	7	PNS	eP	15 28 47				
JAN	7	PNS	eP	15 45 22.4				
			S	45 49.8				
JAN	7	PNS	eP	16 49 19.1				
			eL	17 22				
		LPB	eP	16 49 21.5				
JAN	7	LPB	eP	18 37 05.7				58.0
			eL	55				
		PNS	eP	18 37 06.1				
JAN	7	LPB	iP	18 58 14.6		1.0	188	
		PNS	iP	18 58 18.8	D			
JAN	7	PNS	eSS	49 45				
			L	20 04.5				
		LPB	eL	20 04.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	7	PNS	eP	10 56 09.8				
JAN	7	PNS	ePKP	21 58 08.6				
		LPB	eL	22 43				
JAN	7	PNS	eP	23 00 56				
JAN	7	PNS	eP	23 50 59		0.9	6	
JAN	8	LPB	eP	00 31 02				
			eL	47				
		PNS	eP	00 31 05				
			eL	47				
JAN	8	PNS	iP	00 36 09.1	D	0.5	14	
			S	36 31.4				
		LPB	eP	00 36 10.7				
JAN	8	PNS	eP	01 21 03				
JAN	8	USCGS	03 17 12.6, 13.7S, 171.5E, H = 630Km., M = 5.2, NEW HEBRIDES IS REG.					
		PNS	PKP	03 34 43.9		0.8	5	
			PS	45 21				
			eSS	51 17				
			eL	04 11				
		LPB	ePKP	03 34 44.2		0.8	13	113.9
			eL	04 11				
JAN	8	PNS	eP	04 11 04				
			eS	11 55				
		LPB	eP	04 11 08.2				
JAN	8	LPB	P	04 23 30.5		0.8	4	
		PNS	eP	04 23 35.9				
JAN	8	PNS	iP	04 40 23.3	D			
			S	40 45.8				
		LPB	P	04 40 25.5				
JAN	8	PNS	iP	04 45 31.5	D	0.5	6	
			S	45 55.8				
JAN	8	LPB	P	05 06 14.5		0.8	6	
		PNS	eP	05 06 18.9				
			eS	07 20				
JAN	8	PNS	eP	05 55 45.1				
		LPB	eP	05 55 45.1				
JAN	8	PNS	P	06 50 55.4		0.7	7	
			S	52 04				
		LPB	P	06 50 55.6		0.5	11	
JAN	8	PNS	P	07 13 33.2				
JAN	8	PNS	eP	07 39 39.7				
JAN	8	PNS	P	07 59 44.1				
		LPB	eP	07 59 44.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	8	PNS	iP	10 40 18.9	D	0.6	6	
			S	40 41.2				
		LPB	eP	10 40 21.5				
			S	40 45				
JAN	8	LPB	P	10 55 05.5		0.9	15	
		PNS	eP	10 55 12.5				
			eS	55 56				
JAN	8	LPB	eP	11 06 56				
		PNS	P	11 06 58.4		0.4	4	
			eS	08 02				
JAN	8	PNS	eP	11 15 15				98.6
JAN	8	LPB	eL	13 49				
JAN	8	PNS	eP	14 09 16.2				
			e	09 29				
JAN	8	PNS	P	16 46 00		0.6	3	
JAN	8	PNS	ePKP	17 43 16.1				
			eL	18 27.1				
JAN	8	PNS	iP	18 42 25.2	D	0.4	4	
			S	42 47.5				
JAN	8	USCGS	18 44 24.5, 18.6S, 69.9S, H = 116Km., M = 5.4,					
		N CHILE.						
		PNS	iP	18 45 09.0	D			
			eS	45 37				2.2
		LPB	iP	18 45 09.5	D			
			S	45 38				
		CCH	iP	18 45 23.2	D			
JAN	8	USCGS	20 22 15.6, 8.2N, 38.2W, H = 33Km., M = 5.4,					
		CENTRAL MID-ATLANTIC RIDGE.						
		CCH	P	20 29 31.2				38.7
		LPB	P	20 29 36.4				
			pP	29 48				
			PP	30 18.5				
			S	35 43				
			SS	38 25				
			L	40.8				
		PNS	P	20 29 37.9	C	0.8	7	
			ipP	29 49.2				
			PP	30 18.0				
			SS	38 29				
JAN	8	PNS	iP	22 07 05.2	D	0.4	11	
			S	09 10				
JAN	8	USCGS	21 54 20.8, 14.8S, 114.8W, H = 16Km., M = 5.5,					
		SAMOA M. REG.						
		PNS	eP	22 08 05				
			et	35.8				
			L	42.2				100.8
		LPB	eSKS	22 18 53				
			L	42				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	8	PNS	eP	22 12 19.5				
		LPB	eP	22 12 20.6				
JAN	8	USCGS	22 26 44.0, 7.5S, 127.4E, H = 109Km.,					
		BANDA SEA.						
		LPB	ePKP	22 46 27.5				151.3
			i	46 34.8				
		PNS	ePKP	22 46 39.8		1.0	5	
			i	46 39.8				
		CCH	P	22 46 29.2				
JAN	8	PNS	eP	23 45 37.8				
			i	45 51.1				
		LPB	eP	23 45 43				
			e	45 52				
JAN	9	CCH	P	00 18 52.2	C			
			S	18 54.7				
JAN	9	PNS	eP	01 13 29				
JAN	9	LPB	eP	01 14 41				
		PNS	eP	01 14 42.9				
			eS	15 37				
JAN	9	PNS	eP	01 20 18				
JAN	9	PNS	eP	02 09 18.3		0.6	3	
		LPB	P	02 09 25.4		0.7	14	
JAN	9	PNS	eP	03 46 16.3				
JAN	9	PNS	eP	04 23 46				
		LPB	eP	04 23 49.3				
JAN	9	LPB	eP	05 00 00				
		PNS	eP	05 00 01.5				
JAN	9	PNS	iP	05 00 27.1	D	0.5	6	
			S	00 50.1				
JAN	9	CCH	eP	05 49 21.7				
		LPB	eP	05 49 29				
			eL	06 01				
		PNS	eP	05 49 29.7				
			eL	06 00.9				
JAN	9	PNS	P	07 45 18.1		0.5	2	
			S	45 40.4				
JAN	9	CCH	P	08 02 51.7				
		PNS	eP	08 03 07.4				
			S	04 56				
			i	05 46.6				
		LPB	eP	08 03 07.6				
JAN	9	PNS	iP	09 15 33.6	C	0.4	3	
			S	15 36.8				
		LPB	eP	09 15 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	9	USCGS 09 26 13.8, 14.8S, 174.8W, H = 75Km., M = 4.7, SAMOA IS REG.						
		PNS	eP	09 40 01.2				
			eL	10 14.4				100.8
		LPB	eP	09 40 02				
JAN	9	USCGS 11 03 50.1, 6.7S, 153.4E, H = 57Km., M = 4.6, NEW BRITAIN REG.						
		LPB	ePKP	11 23 02				132.8
		PNS	eP	11 23 02.2				
JAN	9	USCGS 13 28 14.2, 31.0N, 138.0E, H = 40Km., M = 4.7, S OF HONSHU, JAPAN.						
		PNS	ePKP	13 48 13	1.3	10		151.2
		LPB	ePKP	13 48 18				
			eL	14 40				
		CCH	ePKP	13 48 35.2				
JAN	9	USCGS 14 25 15.6, 6.7S, 153.7E, H = 38Km., M = 5.0, NEW BRITAIN REG.						
		LPB	ePKP	14 44 29.5				132.2
			eL	15 28				
		PNS	ePKP	14 44 31	1.4	11		
JAN	9	USCGS 14 49 01.3, 6.8S, 153.7E, H = 21Km., M = 5.4, NEW BRITAIN REG.						
		LPB	ePKP	15 08 18				132.2
			eL	51				
		PNS	ePKP	15 08 18.4	1.4	9		
JAN	9	USCGS 15 38 15.1, 37.0N, 139.7E, H = 130Km., M = 4.5 HONSHU, JAPAN.						
		PNS	ePKP	15 57 43.2	1.4	9		148.2
		LPB	ePKP	15 57 45				
			eL	16 48				
JAN	9	PNS	eP	17 47 56.8				
JAN	9	PNS	P	18 21 00				
JAN	9	USCGS 18 41 56.9, 20.7S, 69.6W, H = 101Km., M = 4.3, N CHILE.						
		CCH	P	18 43 00.7				
			I	43 04.2				
		LPB	P	18 43 03.6	1.2	46	4.4	
			Pg	43 22.6				
		PNS	P	18 43 05.9	0.4	4		
			S	43 50.8				
JAN	9	PNS	eP	20 30 52				
JAN	9	PNS	eP	21 17 30.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	9	PNS	P	22 05 14.8		0.6	2	
			S	05 45.6				
		LPB	eP	22 05 16				
			eS	05 46.5				
JAN	9	PNS	e(P)	22 54 04				
			S	54 34				
JAN	9	PNS	eP	23 30 01.8				
JAN	9	LPB	eP	23 56 45				
		PNS	eP	23 56 46				
JAN	10	PNS	eP	00 40 22.9				
JAN	10	PNS	P	00 50 20.4				
			S	50 50.9				
		CCH	eP	00 50 28.7				
JAN	10	PNS	P	01 09 00.5		0.4	2	
JAN	10	USCGS 01 46 42.4, 35.9S, 103W, H = 33Km., M = 4.9, S OF PACIFIC OCEAN						
		PNS	P	01 53 52.4		1.4	36	
			eL	02 04.8				
		LPB	P	01 53 53.2		1.2	46	36.9
			eL	02 04.4				
		CCH	P	01 54 01.2				
JAN	10	USCGS 05 54 19.1, 27.8S, 70.8W, H = 33Km., M = 4.8, NR CST N CHILE.						
		CCH	P	05 56 59.7				
		LPB	P	05 57 03.8		0.5	10	11.4
			eS	59 05.5				
		PNS	P	05 57 05.8		0.4	5	
			iPPP	57 21.8				
			i	59 55				
JAN	10	PNS	eP	07 43 11				
JAN	10	PNS	eP	09 22 47.2				
JAN	10	USCGS 09 31 40.3, 29.2S, 177.6W, H = 64Km., M = 5.0, KERMADEC IS.						
		PNS	eP	09 45 14.8				
			eL	10 17.9				
		LPB	eP	09 45 15				97.9
			L	17.8				
JAN	10	PNS	eP	09 26 53.3		0.7	3	
		LPB	eP	09 26 57		1.0	6	
JAN	10	USCGS 10 02 46.4, 6.9S, 110.6E, H = 220Km., M = 5.4, JAVA.						
		LPB	ePKP	10 22 15				156.5
			eL	11 16				
		PNS	ePKP	10 22 15.2				
			PKP2	22 43.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	10	PNS	eP	10 30 22				
JAN	10	PNS	eP	10 30 50				
			eS	31 36				
JAN	10	PNS	P	10 53 16.4		0.4	2	
			S	53 40.5				
JAN	10	LPB	P	11 56 55.4	D	1.0	300	
			S	57 36				
		PNS	P	11 56 56.6	C			
			S	57 36				
			i	58 12				
		CCH	P	11 56 56.9				
JAN	10	PNS	eP	13 24 57.9				
JAN	10	USCGS	13 23 11.8, 53.9S, 132.2W, H = 33Km., M 4.7, S PACIFIC CORDILLERA.					61.6
		LPB	eP	13 33 28.5				
			eL	53				
		PNS	eP	13 33 293				
JAN	10	USCGS	13 42 06.2, 53.7S, 134.2W, H = 33Km., M = 4.8, S PACIFIC CORDILLERA.					61.9
		LPB	eP	13 52 29.6				
			eS	14 00 54				
			eL	11.9				
		PNS	P	13 52 31.4		0.8	6	
		CCH	P	13 52 33.2				
JAN	10	USCGS	15 07 58.3, 13.8N, 120.6E, H = 149Km., M = 4.8, MINDORO, PHILIPPINE IS.					171.1
		LPB	ePKP	15 27 48				
JAN	10	PNS	P	21 35 01.8	D	0.8	30	
			e	41 50				
		LPB	P	21 35 03		1.0	16	
			e	41 53.8				
		CCG	eP	21 35 15.2				
JAN	10	PNS	eP	23 13 04.2				
JAN	11	PNS	P	00 41 04.6	D			
			S	41 29				
JAN	11	USCGS	02 43 40.1, 16.9S, 71.5W, H = 89Km., M = 4.4, S PERU					
		PNS	iP	02 44 26.2	C			
			S	45 00				
		LPB	iP	02 41 30.4	C	0.6	575	3.3
			S	45 11				
		CCH	iP	02 44 52.7	D			

ONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AN	11	LPB	P	04 42 05		0.7	6	
		PNS	P	04 42 08.8		0.5	4	
AN	11	USCGS	04 40 10.8, 4.9N, 125.9E, H = 33Km., M = 5.0, TALAUD IS.					
		PNS	ePKP	05 00 12.8				
			eSS	25 02				
		LPB	ePKP	05 00 14				162.0
			eL	06 57				
AN	11	PNS	eP	05 01 00.8		0.7	5	
		CCH	eP	05 01 02.9				
AN	11	PNS	eP	06 34 29.8				
AN	11	USCGS	07 12 12.3, 6.9N, 73.0W, H = 160Km., M = 4.0, N COLOMBIA.					
		PNS	P	07 17 08.6		0.7	2	
			iPP	17 41.6				
			eL	23.2				
		LPB	eP	07 17 10				23.1
			iPP	17 45.3				
			eL	23.3				
N	11	PNS	P	07 23 08.0				
			S	23 40				
		LPB	eP	07 23 09.8				
			S	23 47.7				
N	11	PNS	P	07 26 51.7		0.3	1	
			S	26 55				
N	11	CCH	eP	08 28 32.2				
		PNS	eP	08 28 37.4				
N	11	USCGS	09 37 14.0, 3.0N, 84.3W, H = 48Km., M = 4.8, OFF CST OF CENTRAL AMERICA.					
		PNS	P	09 42 33.4	C	1.2	90	
			iPP	42 43.4				
			S	46 56				
			eL	49.5				
		LPB	P	09 42 36.6	C	1.2	1	24.8
			pP	42 46.8				
			eS	46 58				
			eL	49.6				
	11	LPB	eP	10 45 20.5				
		PNS	P	10 45 29.7				
	11	PNS	eP	13 07 51				
			S	08 53.4				
	11	PNS	P	13 44 18.7		0.4	10	
			S	44 41				
	11	PNS	eP	13 58 07.3		0.5	1	
			iS	58 10.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	11	PNS	eP	16 26 16				
JAN	11	USCGS	16 12 46.9, 34.3N, 141.2E, H = 53Km., M = 4.9, OFF E CST OF HONSHU. JAPAN					
		PNS	ePKP	16 32 26				
			i	32 29.5				
			eL	17 22.9		1.0	54	148.3
		LPB	ePKP	16 32 30.6				
			eL	17 23				
		CCH	ePKP	16 32 34.2				
JAN	11	PNS	eP	16 40 01.4		0.6	4.0	
			S	40 37.6				
JAN	11	LPB	eP	17 15 20				
			e	15 30.6				
		PNS	P	17 15 21.4	C	1.3	17	
			i	15 31.8				
JAN	11	USCGS	16 55 20.7, 6.9N, 126.1E, H = 58Km., M = 5.3, MINDANAO. PHILIPPINE IS.					
		PNS	ePKP	17 17 22.3				162.
			L	18 15.4				
		LPB	eL	18 15.5				
JAN	11	LPB	eP	18 35 03.7		1.0	8	
		PNS	P	18 35 03.9				
JAN	11	USCGS	18 08 38.1, 46.4N, 153.3E, H = 50Km., M = 4.7, KURILE IS.					134
		LPB	ePKP	18 27 54				
			eL	19 12				
		PNS	ePKP	18 27 59.1				
JAN	11	USCGS	18 24 52, 55.2S, 130.4W, H = 33Km., M = 4.6, S OF PACIFIC CORDILLERA.					60.
		LPB	P	18 35 03.2				
			L	54.2		1.0	8	
		PNS	P	18 35 03.5				
JAN	11	USCGS	22 26 17.2, 24.4S, 67.0W, H = 147Km., M = 4.4, CHILE ARGENTINA BOR REG.					8.2
		LPB	eP	20 28 13				
			eS	29 43.2		0.5	13	
		PNS	eP	22 28 15.7				
			S	29 45.4				
		CCH	P	22 27 58.7				
JAN	11	USCGS	22 38 59.6, 18.8N, 108.8W, H = 33Km., M = 3.9, REVILLA GIFEDO IS REG.					53
		LPB	eP	22 48 14				
			eL	23 04		1.0	6	
		PNS	eP	22 48 18.4				
			eL	23 04.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	12	USCGS	01 00 07.0, 33.1S, 23.5E, H = 12Km., M = 5.2, UNION OF SOUTH AFRICA.					
		CCH	eP	01 12 20.3				
		PNS	P	01 12 34.0		0.7	9	
			eL	39.7				
		LPB	eP	01 12 31.5		0.8	7	82.3
JAN	12	PNS	P	02 23 42.1	C	0.6	13	
			S	24 11.9				
		LPB	eP	02 23 45.7				
JAN	12	LPB	eP	02 47 06				
		PNS	P	02 47 09.6	C	0.5	3	
			S	48 24.8				
		CCH	P	02 47 51.9				
JAN	12	USCGS	02 58 30.8, 33.6N, 132.2E, H = 19Km., M = 5.0, SHIKOKU, JAPAN					
		PNS	ePKP	03 18 25		1.2	11	
			ipPKP	18 47.6				
			ePKS	21 56				
			eL	04 12.5				155.2
		LPB	PKP	03 18 26				
			eL	04 12				
		CCH	ePKP	03 18 26.2				
JAN	12	USCGS	03 05 18.5, 27.2S, 177.2W, H = 90Km., M = 5.3, KERMADEC IS REG.					
		LPB	P	03 18 25.2				99.0
			L	51.4				
		PNS	PS	03 31 56				
			eS	37 10				
			G	45.9				
			L	03 51.5				
JAN	12	USCGS	04 06 07.7, 22.7S, 70.0W, H = 96Km., M = 3.9, NR CST OF N CHILE.					
		CCH	eP	04 07 37.2				
		LPB	P	04 07 41.7				6.1
			i	07 57				
		PNS	P	04 07 43.6		0.7	3	
			i	07 59.9				
JAN	12	USCGS	04 17 43.1, 13.4N, 93.1E, H = 33Km., M = 5.5, ANDAMAN IS REG.					
		CCH	ePKP	04 37 40.7				
		PNS	ePKP	04 37 41.8		1.0		
			PKP2	28 29.7				
			eSS	05 02 40				
			eL	05 34.8				
		LPB	ePKP	04 37 44.3				162.0
			PKP2	38 28				
			eL	05 02				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	12	USCGS		08 38 12.5, 6.9N, 126.8E, H = 80Km., M = 4.6, MINDANAO, PHILIPPINE IS.				162.1
		LPB	eL	09 56				
		PNS	ePKP	08 59 05.8				
JAN	12	CCH	eP	10 29 39.7				
		LPB	eP	10 29 41.5				
		PNS	eP	10 29 43				
JAN	12	PNS	eP	13 14 52.5				
JAN	12	USCGS		14 06 21.4, 58.7S, 25.5W, H = 33Km., M = 4.5, S SANDWICH IS REG.				52.2
		LPB	eP	14 15 28				
			eL	31.6		0.8	3.2	
		PNS	eP	14 15 35.2				
JAN	12	PNS	P	16 33 07.3		0.5	7	
			S	33 44				
JAN	12	PNS	P	23 21 54.8	D	0.8	8	
			S	22 17				
JAN	13	PNS	P	00 21 18.2		0.4	4	
			S	21 51.2		0.9	37	
		LPB	eP	00 21 19				
			S	21 52				
JAN	13	CCH	eP	00 52 40.7				
		PNS	eP	00 52 49				
JAN	13	PNS	eP	02 02 55				
JAN	13	PNS	eP	02 10 03				
			S	12 49				
			eL	14.3				
		LPB	eP	02 10 05				
			eL	14.7				
		CCH	eP	02 11 12.7				
JAN	13	USCGS		02 14 22.7, 2.7N, 128.3E, H = 210Km., M = 5 HALMAHERA.				158.
		LPB	ePKP	02 33 57				
			eL	03 29				
		PNS	ePKP	02 33 57.5				
			eSS	57 55				
			eL	03 28.9				
JAN	13	PNS	eP	02 34 35.6		0.8	6	
JAN	13	LPB	eP	02 42 36.5	D	1.0	10	
		PNS	P	02 42 36.7		0.8	4	

ONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AN	13	PNS	eP	03 30 44				
			S	31 22.6				
AN	13	PNS	eP	04 06 13.7				
		LPB	eP	04 06 17.5				
N	13	ISCGS		04 36 14.1, 21.4S, 70.6W, H = 66Km., M = 4.6, NR CST OF N CHILE				
		LPB	iP	04 37 36	C			5.3
			S	38 34				
			L	39.4				
		PNS	iP	04 37 36.2	C	0.7	15	
			eS	38 40				
			SG	39 15				
		CCH	P	04 37 38.9				
N	13	USCGS		04 40 51.7, 23.0S, 66.8W, H = 212Km., M = 4.0, JUYJUY PROV. ARGENTINA.				
		CCH	P	04 42 15.4				
		LPB	P	04 42 27.8		0.6	15	
		PNS	P	04 42 31.5	D	0.5	7	
			S	43 48.6				
	13	PNS	eP	06 04 02				
		LPB	eP	06 04 02.5				
	13	LPB	P	06 37 39		0.9	8	
		PNS	P	06 37 42.2		0.3	2	
			eS	39 02.6				
	13	USCGS		07 03 39.2, 24.1N, 122.2E, H = 8Km., M = 5.7, TAIWAN REG.				
		PNS	PKP	07 23 49.0		1.1	52	
			PKP2	24 53.8				
			pP	28 42				
			SKS	30 54				
			SS	49 30				
			eG	08 13.1				
			L	08 22.9				
		CCH	PKP	07 23 49.9				
		LPB	PKP	07 23 50.0	C	1.1	117	167.8
			pP	28 43				
			e	35 32				
			SS	49 16				
			L	08 23.5				
	13	LPB	eP	07 59 26.7		1.0	45	
		CCH	eP	07 59 28.7				
		PNS	P	07 59 29.3				
	13	LPB	eP	09 33 19				
	13	LPB	eP	10 41 22.5				
		PNS	eP	10 41 34.2				
	13	LPB	eP	11 14 52.7				
		PNS	P	11 14 54.3		0.6	2.2	
	13	LPB	eP	11 46 26				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	13	PNS	P	[illegible] 14.1		0.4	5	
JAN	13	PNS	[illegible]	[illegible]				
JAN	13	[illegible]		15 51 36				
JAN	13	USCGS 15 35 [illegible], 31.2S, 68.4W, H = 109Km., M = 4.1, [illegible] PROV. ARGENTINA.						
		LPB	eP	15 59 10		1.0	10	
		PNS	P	15 59 12.3				
JAN	13	USCGS 16 07 04.2, 24.2S, 66.9W, H = 192Km., M = 5.7, SALTA PROV. ARGENTINA.						
		CCH	iP	16 08 41.7	C			
		LPB	iP	16 08 54.4	D			
			S	10 24				
		PNS	iP	16 08 58.0	D			
			i	09 52				
			S	10 23				
JAN	13	LPB	iP	16 23 56.5	D			
		PNS	iP	16 23 56.0	D			
			S	25 29.8				
JAN	13	PNS	P	16 27 01.9		0.5	8	
			S	28 31				
JAN	13	LPB	eP	16 35 41.2				
		PNS	e	16 35 41.6				
			iP	35 46.7				
JAN	13	LPB	eP	16 45 51				
		PNS	eP	16 45 54.3				
			e	46 10.2				
JAN	13	LPB	P	17 22 27	D	0.8	15	
		PNS	P	17 22 30.7		0.4	3.7	
			S	23 59.5				
JAN	13	PNS	P	17 38 35.9		0.4	2.1	
JAN	13	LPB	P	19 37 49				
		PNS	eP	19 37 53.1				
			eS	39 20				
JAN	13	PNS	P	19 46 34.6		0.4	3	
JAN	13	USCGS 21 29 26.4, 24.3S, 67.0W, H = 177Km., M = 4[illegible] CHILE-ARGENTINA BOR REG						
		CCH	iP	21 31 06.2	D			
		LPB	iP	21 31 19.5	C	0.9	222	
			S	32 41				
		PNS	iP	21 31 22.0	D			
			S	32 48				
			L	33.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AN	13	PNS	eP	21 40 56.9		1.0	6	
AN	13	PNS	eP	22 12 27		0.5	2	
AN	13	PNS	eP	22 34 09.1				
			S	35 17				
		LPB	P	22 34 15.5	C	1.0	10	
N	13	USCGS 22 36 21.6, 43.1S, 81.9W, H = 33Km., M = 4.6, W CHILE RISE.						
		CCH	eP	22 42 20.7				
		PNS	eP	22 42 22		2.2	89	
			pP	43 12				
			S	47 00				
			L	50.5				
		LPB	iP	22 42 22.1	C	1.0	30	28.9
			S	47 18				
			L	50.5				
N	13	LPB	eP	23 03 07.5		0.7	8	
			S	03 44				
	13	PNS	eP	23 19 37.9				
	14	PNS	eP	01 14 06		1.0	6	
		CCH	eP	01 14 22.7				
	14	LPB	P	01 24 22.5	C			
		CCH	eP	01 25 25.7				
		PNS	P	01 25 29.1	C	0.9	7	
			S	26 22.7				
	14	CCH	P	01 50 59.2				
		PNS	P	01 51 04.6		1.0	12	
		LPB	eP	01 51 41.5				
	14	USCGS 03 45 06.5, 7.7S, 117.4E, H = 283Km., M = 5.1, BALI SEA.						
		LPB	ePKP	04 04 27.5				154.8
		CCH	ePKP	04 04 28.2				
		PNS	ePKP	04 04 29.7				
	14	LPB	P	04 32 28.4	D			
			S	32 56.2				
		PNS	iP	04 32 29.4	D			
			S	32 51.7				
	14	USCGS 04 57 09.6, 20.5S, 67.5W, H = 170Km., M = 4.6, S BOLIVIA.						
		CCH	eP	04 58 04.2	C			
		LPB	iP	04 58 12.2	C	1.1	1500	4.1
			iS	58 50				
		PNS	iP	04 58 16.0				
			iS	58 58				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	14	PNS	eP	05 24 39.6				
JAN	14	CCH	P	05 27 24.4	D			
		LPB	P	05 27 37.5	D	0.9	54	
			S	29 02.5				
		PNS	P	05 27 40.6				
JAN	14	PNS	eP	06 05 09.1				
		LPB	eP	06 05 18				
JAN	14	USCGS	09 01 27.8, 22.5S, 179.6W, H = 610Km., M = 5.7, S OF FIJI IS					
		PNS	eP	08 14 22.2				
			iPP	18 42.9				
			i	24 07				102.7
			eL	49.2				
		LPB	eP	08 14 25				
			ePP	18 45				
			eSS	32 45				
			eL	49				
JAN	14	LPB	eP	10 42 37		0.9	6	
		PNS	P	10 42 38.3				
JAN	14	USCGS	10 36 36.9, 23.6S, 33.0E, H = 33Km., M = 5.3, MOZAMBIQUE.					
		LPB	P	10 49 52				93.1
		PNS	P	10 49 54.3		0.9	9	
			eSKS	11 00 23				
			eL	21.1				
JAN	14	CCH	P	10 58 28.2		1.1	55	
		LPB	eP	10 58 31.5		0.9	22	
		PNS	P	10 58 44.2				
			i	58 50.0				
JAN	14	PNS	P	11 03 28.9	C	1.0	9	
JAN	14	USCGS	11 23 05.0, 7.2N, 82.3W, H = 9Km., M = 4.7, S OF PANAMA.					
		PNS	P	11 28 49.5		0.7	9	
			S	33 38				
			eL	36.7				27.2
		LPB	eP	11 28 54.5				
			pP	29 14				
			eS	33 40				
			eL	37				
JAN	14	USCGS	12 25 09.7, 7.5S, 127.9E, H = 115Km., M = 5, BANDA SEA.					
		LPB	PKP	12 44 47.6	C	2.0	18	151.
			pP	49 00				
			SS	13 08 04				
			L	37.2				
		PNS	PKP	12 44 48.0	C			
			pP	48 58.5				
			SS	13 07 58				
			eG	27.7				
			eL	37.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	14	PNS	P	14 04 02.0	D	0.6	4	
			S	04 25				
	14	LPB	eP	14 35 43				
		PNS	P	14 35 45.2	C	0.8	11	
	14	PNS	iP	15 52 19.7	C			
			S	53 03.9				
		LPB	P	15 52 24.2				
	14	USCGS	15 43 31.8, 37.9N, 13.1E, H = 29Km., M = 4.7, SICILY.					
		LPB	eP	16 01 45				93.6
			eL	34				
		PNS	eL	16 34.2				
	14	USCGS	17 43 10.0, 52.7N, 171.2W, H = 34Km., M = 5.5, FOX IS, ALEUTIAN IS.					
		PNS	ePKP	18 01 37.8				
			i	02 25.0				
			SKS	08 26				
			iPS	11 45				
			SS	18 20				
			e	37				
		LPB	ePKP	18 01 38				110.7
			SKS	08 27				
			PS	11 48				
			L	36				
	14	PNS	eP	20 09 19.4		0.8	3	
		LPB	eP	20 09 20				
			e	09 42				
	14	PNS	eP	22 28 55.8				
		LPB	eP	22 28 56				
	14	LPB	eP	22 41 07				
		PNS	eP	22 41 24.6				
			e	42 12.3				
			eL	23 27.2				
	14	LPB	eP	22 56 47				
		PNS	P	22 56 53.0				
	15	PNS	eP	00 30 53.5		1.0	4	
			eL	40.2				
		LPB	eP	00 30 59				
			eL	41				
	15	PNS	P	01 33 01.6		0.6	3	
			S	33 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	15	USCGS	01 33 02.7, 37.9N, 13.1E, H = 33Km., M = 5.1, SICILY					
		PNS	eP	01 45 34.4				
			eS	56 40				
			pS	58 36				
			SS	02 03 52				
			eG	10.8				
			L	02 17.4				
		LPB	eP	01 45 35				93.6
			eL	02 17.6				
		CCH	eP	01 45 59.2				
JAN	15	PNS	eP	02 08 10.8				
JAN	15	USCGS	02 01 08.5, 37.9N, 13.1E, H = 33Km., M = 5.4, SICILY.					
		CCH	eP	02 14 04.7				
		LPB	eP	02 14 21.5				93.6
			SKS	25 13				
			SS	31 11				
			eG	40				
			L	45.7				
		PNS	eP	02 14 22.5				
			SKS	25 13				
			SS	31 43				
			G	39.8				
			L	45.8				
JAN	15	CCH	eP	03 45 53.7				
		PNS	P	03 46 09.4		0.8	6	
		LPB	P	03 46 09.6				
JAN	15	USCGS	04 35 51.5, 6.9N, 73.0W, H = 154Km., M = 4.7 N COLOMBIA.					
		PNS	P	04 40 48.6		0.7	8	
			pP	41 20.9				
		CCH	eP	04 40 48.9				
		LPB	eP	04 40 50.6		0.8	6	23.4
			pP	41 25.7				
JAN	15	USCGS	07 53 44.7, 36.0S, 99.3W, H = 33Km., M = 4.6, S PACIFIC OCEAN.					
		CCH	eP	08 00 18.7				
		PNS	eP	08 00 22		1.4	13	
			pP	00 38.2				
			iS	06 00				
			SSS	08 18				
			L	09.7				
		LPB	P	08 00 26.3		1.4	22	33.6
			eS	05 48				
			eL	09.8				
JAN	15	USCGS	08 18 11.2, 2.2S, 78.6W, H = 121Km., M = 4.0, ECUADOR.					
		PNS	eP	08 22 06.2		0.7	5	
		LPB	P	08 22 10.5		1.0	10	17.1
		CCH	eP	08 22 16.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	15	PNS	iP	08 50 34.9	D	0.5	6	
			S	50 58.8				
		LPB	P	08 50 37.7				
JAN	15	LPB	P	08 56 36.6		1.0	12	
		PNS	eP	08 56 37.2				
JAN	15	LPB	eP	10 36 28				
		PNS	P	10 36 29.2		0.9	4	
JAN	15	PNS	P	11 55 52.3		1.5	20	
			eL	12 16.5				
		LPB	eP	11 55 52.5				
			eL	12 16.6				
JAN	15	USCGS	12 32 19.6, 33.9N, 38.9W, H = 33Km., M = 4.8, NORTH ATLANTIC RIDGE					
		CCH	eP	12 41 51.2				
		LPB	eP	12 42 06.4		1.7	75	57.6
			eL	13 00				
		PNS	P	12 42 06.7				
			L	13 00				
JAN	15	USCGS	13 42 05.1, 37.8N, 12.8E, H = 33Km., M = 5.3, SICILY					
		LPB	eP	13 55 16				93.6
JAN	15	PNS	iP	15 40 53.7	D			
			S	41 18.4				
		LPB	iP	15 40 54.7	D	0.7	69	
			eS	41 21				
		CCH	eP	15 40 57.7				
JAN	15	LPB	eP	17 00 06				
		PNS	eP	17 00 12.5		0.4	2	
JAN	15	PNS	eP	17 38 17.4				
			eS	39 04.6				
JAN	15	USCGS	17 30 44.2, 6.9S, 129.5E, H = 33Km., M = 5.0, BANDA SEA.					
		LPB	ePKP	17 50 34				150.8
			eL	43				
		PNS	ePKP	17 50 35.2		1.2	13	
JAN	15	LPB	P	17 58 26				
		PNS	P	17 58 26.3		0.5	4	
JAN	15	CCH	P	19 50 29.7	C			
		PNS	P	19 50 30.6				
			i	50 40.4				
			S	51 16				
			L	51.6				
		LPB	eP	19 50 31				
			e	50 39.5				
			S	51 11.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	15	PNS	P	20 23 18.0		0.7	10	
			iS	23 54				
JAN	15	USCGS SICILY.	22 19 57.2, 37.8N, 12.9E, H = 33Km., M = 4.7,					
		CCH	P	22 33 15.7				93.6
		LPB	P	22 33 30.8				
		PNS	P	22 33 32.8	D	0.8	20	
JAN	16	LPB	eP	01 05 03.5		0.8	11	
JAN	16	PNS	eP	01 49 01.8		1.0	8	
		LPB	eP	01 49 03				
JAN	16	USCGS CENTRAL MID ATLANTIC RIDGE	01 58 28.4, 8.2N, 38.2W, H = 33Km., M = 4.2,					
		LPB	eP	02 05 49.4				38.7
			eL	17				
		PNS	P	02 05 51.4		0.7	3	
			eL	17.8				
JAN	16	CCH	P	02 42 43.7		0.7	11	
		LPB	P	02 42 59.6		0.7	8	
		PNS	P	02 43 02.3				
			S	43 54				
JAN	16	PNS	eP	03 01 43.7				
JAN	16	PNS	eP	06 30 22				
		LPB	eP	06 30 24				
JAN	16	LPB	eP	06 49 02				
JAN	16	LPB	eP	08 15 40				
JAN	16	PNS	eP	08 25 38.6				
JAN	16	LPB	eP	09 34 30.5				
		PNS	eP	09 34 34.2				
JAN	16	PNS	P	11 11 33.6		0.4	4	
			S	11 55.7				
JAN	16	LPB	eL	13 32				
JAN	16	LPB	eP	13 19 51		0.7	4	
		PNS	P	13 19 53.8				
JAN	16	CCH	P	13 39 16.7		0.8	21	
		LPB	eP	13 39 35.5				
			i	39 49.5				
			S	41 07		1.0	28	
		PNS	eP	13 39 36.5				
			S	41 02		0.4	3	
JAN	16	PNS	P	13 48 37.2		0.6	4	
JAN	16	PNS	P	14 16 05.9				

TH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	16	PNS	eP	14 21 31.8				
	16	PNS	P	16 23 09.4				
	16	PNS	P	16 07 58.6		0.4	3	
	16	PNS	P	16 23 02.4				
	16	PNS	eP	16 31 29.1				
	16	LPB	eP	16 39 55				
		PNS	eP	16 39 55.4				
	16	USCGS SICILY	16 42 44.3, 37.9N, 13.1E, H = 14Km., M = 5.1,					
		LPB	eP	16 55 55				93.6
			eL	17 28				
		PNS	eP	16 55 55				
	16	PNS	iP	17 45 01.7	D	0.5	5	
			S	45 29.3				
	16	PNS	eP	22 11 35.7		0.4	3	
	16	LPB	P	23 05 04	D	0.6	14	
			S	06 30				
		PNS	P	23 05 07.2		0.5	5	
			S	06 33				
	17	LPB	eP	05 02 42		0.7	4	
			S	03 57.2				
		PNS	P	05 02 46		0.6	2	
			eS	04 04.4				
	17	LPB	P	06 50 24.7		0.8	12	
		PNS	P	06 50 28.6		0.4	4	
	17	USCGS JUYJUY. PROV. ARGENTINA.	06 54 57.2, 23.3S, 66.5W, H = 250Km., M = 4.0					
		LPB	P	06 56 37.6		0.9	34	6.6
			S	58 02				
		PNS	P	06 56 41.4		0.8	10	
			S	58 07.5				
	17	PNS	eP	08 35 23		0.8	4	
		LPB	P	08 35 27.2		0.8	10	
	17	USCGS E NEW GUINEA REG.	09 03 40.7, 10.2S, 150.2E, H = 36, M = 5.3					
		PNS	ePKP	09 22 57		1.1	7	
		LPB	ePKP	09 22 58.3				133.2
			eL	10 06				
	17	USCGS W OF MACQUARIE IS	09 49 50.7, 56.4S, 147.0E, H = 33Km.,					
		LPB	eP	10 03 39				101.7
			eL	- 37				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	17	PNS	P	12 31 42.5		0.6	2	
		LPB	eP	12 31 48				
JAN	17	PNS	P	12 49 23		0.4	2	
		LPB	eP	12 49 26				
JAN	17	LPB	eL	13 44				
JAN	17	LPB	eP	14 29 23				
			eL	34				
		PNS	eP	14 29 28		0.5	2	
JAN	17	LPB	eP	16 32 10				
		PNS	eP	16 32 13.5				
JAN	17	PNS	eP	17 49 18.5		0.4	3	
JAN	17	USCGS	17 56 18.7, 35.9N, 140.1E, H = 65Km., M = 4.4, NR E CST OF HONSHU, JAPAN.					
		LPB	ePKP	18 16 00				148.5
		PNS	ePKP	18 16 01.0				
JAN	17	LPB	eP	19 57 08				
		PNS	eP	19 57 46.4				
JAN	17	LPB	eP	23 21 31				
			eL	38				
		PNS	eP	23 21 37.3				
JAN	17	LPB	eP	23 28 14				
		PNS	P	23 28 14.7	D			
JAN	18	USCGS	01 57 32.0, 22.3S, 179.3W, H = 472Km., M = 4, S OF FIJI IS					102
		LPB	eP	02 10 55				
JAN	18	PNS	eP	02 35 36.3				
			S	36 03.2		0.9	8	
JAN	18	LPB	eP	03 14 41				
			S	15 51				
		PNS	P	03 14 45				
JAN	18	LPB	eP	05 14 33.8				
JAN	18	PNS	P	06 35 00.2	C	1.0	7	
		LPB	P	06 35 05		0.9	22	
JAN	18	LPB	eP	08 56 33.8		0.6	6	
		PNS	P	08 56 35.3		0.3	3	
JAN	18	PNS	eP	09 14 29.3		0.4	2	
JAN	18	USCGS	11 53 07.7, 12.2S, 166.0E, H = 38Km., M = SANTA CRUZ IS					11
		LPB	ePKP	11 06 58				
			eL	49				

NTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
N	18	PNS	P	12 09 12.1		0.4	3	
			S	09 42				
N	18	USCGS	12 03 37.4, 14.6S, 178.4W, H = 33Km., M = 5.1, FIJI IS REG.					
		LPB	eP	12 17 36				104
			L	52.9				
	18	LPB	eP	13 11 51.5				
		PNS	eP	13 11 52.2				
	18	PNS	P	14 36 17.8		0.7	5	
			S	37 53.8				
	18	LPB	eP	14 54 30.5				
		PNS	P	14 54 33.2				
			S	55 06.2				
	18	LPB	eP	17 24 31				
		PNS	P	17 24 45		0.6	5	
			S	25 46.2				
	18	PNS	eP	19 31 33.6				
		LPB	P	19 31 34.4				
			S	32 42.5				
	18	LPB	eP	20 33 30.7				
		PNS	eP	20 33 32.6				
	18	LPB	P	23 05 57.5				
			S	06 14.8				
		PNS	P	23 06 01.4		0.5	11.3	
			S	07 30.2				
	19	LPB	eP	00 49 01.3		1.0	8	
		PNS	eP	00 49 05				
	19	LPB	P	01 33 34.2		0.7	21	
			S	34 57.4				
		PNS	P	01 33 38		0.4	6	
			S	35 03.2				
	19	LPB	eP	03 02 17.2		0.7	7	
	19	LPB	eP	04 56 51.6				
		PNS	iP	04 56 52.2	D	0.5	4	
	19	PNS	eP	06 02 04.1				
		LPB	eP	06 02 04.7		0.9	5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	19	USCGS SOLOMON.	06 04 38.2, 9.4S, 158.4E, H = 33Km., M = 6.0,					
		LPB	PKP	06 23 42		1.2	74	127.0
			PP	25 44				
			PKS	27 04				
			SKS	30 58				
			ePS	35 47				
			eSS	43 00				
			eC	57.3				
			L	07 04.6				
		PNS	PKP	06 23 42.5				
			PP	25 46				
			PKS	27 10				
			SKS	30 41				
			ePS	36 07				
			eSS	43 03				
			eC	59				
			L	07 04.7				
JAN	19	LPB	eP	06 30 05.7				
			i	30 37.2				
		PNS	eP	06 30 07				
JAN	19	LPB	eP	06 58 15.5		1.0	8	
		PNS	eP	06 58 18.3		0.8	3	
JAN	19	USCGS SOLOMON IS	08 37 13.1, 9.3S, 158.6E, H = 33Km., M = 4.9,					127.
		LPB	ePKP	08 56 23				
			eL	09 37				
JAN	19	USCGS SOLOMON IS	09 00 00.5, 9.7S, 158.6E, H = 23Km., M = 5.1,					126.
		LPB	ePKP	09 19 14.2				
			eL	09 37				
JAN	19	USCGS JAVA	14 12 02.1, 7.2S, 108.6E, H = 142Km., M = 5.6					156
		LPB	ePKP	14 31 41		1.1	8	
		PNS	PKP	14 31 43.3				
			ePKP	32 13.4				
JAN	19	USCGS OFF CST OF S CHILE	14 39 37.8, 42.6S, 75.2W, H = 22Km., M = 5.5					27.
		LPB	eP	14 45 17				
			eS	50 00				
			eL	50.8				
		PNS	P	14 45 20	D	1.3	92	
			eS	50 22				
			eL	51.2				
JAN	19	PNS	P	16 37 00.2		0.5	3	
			i	37 03.2				
		LPB	eP	16 37 06.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	19	PNS	iP	18 26 17.7	C	1.1	100	
			eL	51.2				
		LPB	P	18 26 20.2				
			eL	51				
JAN	19	LPB	P	19 26 31.4		0.9	25	
JAN	19	USCGS OFF CST OF OREGON.	20 23 37.9, 43.4N, 126.6W, H = 33Km., M = 4.6,					
		LPB	eP	20 35 45				80
			eL	21 03				
JAN	19	PNS	eP	22 26 53.6				
		LPB	P	22 26 54.5				
JAN	20	LPB	eP	01 47 46.7				
JAN	20	LPB	P	02 45 56.5				
		PNS	P	02 45 56.5		0.5	3	
JAN	20	LPB	eP	03 46 22.2				
		PNS	eP	03 46 24.2				
JAN	20	USCGS AZORES IS REG.	06 27 39.4, 41.3N, 29.2W, H = 33Km., M = 4.7,					
		PNS	eP	06 38 37.2				
		LPB	eP	06 38 37.7				67.7
			eL	59.6				
JAN	20	PNS	eP	08 16 46				
		LPB	eP	08 16 48.5				
JAN	20	USCGS AZORES IS REG	08 22 28.7, 41.3N, 29.3W, H = 33Km., M = 4.7,					
		PNS	P	08 33 26				
		LPB	P	08 33 27.5				67.7
			eL	55				
JAN	20	USCGS AZORES IS REG.	08 57 44.9, 41.4N, 29.3W, H = 33Km., M = 4.6,					
		PNS	P	09 08 42.4		1.0	7	
		LPB	eP	09 08 43.5				67.7
			eL	31				
JAN	20	USCGS AZORES IS REG	09 30 36.3, 41.1N, 29.3W, H = 33Km., M = 4.4,					
		LPB	eP	09 41 31				68
			eL	10 04				
JAN	20	LPB	eP	10 12 42.6		0.7	12	
JAN	20	USCGS W NEW GUINEA	09 55 43.3, 3.2S, 136.6E, H = 33Km., M = 4.7,					
		LPB	PKP	10 15 32		0.8	12	148.3
			eL	11 06				
		PNS	PKP	10 15 32.1	C	0.7	13	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	20	USCGS		10 10 48.1, 41.2N 29.5W, H = 33Km., M = 4.6				
		AZORES IS REG.						
		LPB	eP	10 21 41.5				67.5
			eL	43.4				
		PNS	eP	10 21 45.8				
JAN	20	LPB	eP	12 02 20				
JAN	20	USCGS		12 26 05.1, 41.1N, 29.2W, H = 33Km., M = 4.6,				
		AZORES IS REG						
		LPB	eP	12 37 02				67.7
			eL	59				
		PNS	eP	12 37 04.8				
JAN	20	PNS	eP	14 18 21.8				
JAN	20	PNS	eP	15 20 04		1.2	10	
		LPB	eP	15 20 05				
			eL	43.7				
JAN	20	USCGS		16 41 27.1, 16.2S, 178.1E, H = 21Km., M = 5.6,				
		FIJI IS						
		LPB	eP	16 55 36				106.6
			ePP	17 00 03				
			SKS	06 32				
			S	07 59				
			eG	26				
			L	17 31.7				
		PNS	L	17 31.7				
JAN	20	LPB	eP	17 33 12				
		PNS	P	17 33 12.2				
JAN	20	USCGS		20 06 48.0, 18.4N, 146.5E, H = 77Km., M = 5.0,				
		MARIANA IS.						
		PNS	ePKP	20 26 24.1		1.2	9	
		LPB	PKP	20 26 26.4		1.2	34	146.7
JAN	20	LPB	P	20 32 57.7		0.8	15	
			e	33 29				
			S	34 22.5				
		PNS	P	20 33 02.0				
			S	34 26.6				
JAN	20	LPB	eP	20 58 29.5				
		PNS	eP	20 58 32.5				
JAN	20	USCGS		21 21 31.6, 29.9S, 179.5W, H = 349Km., M = 5.8,				
		KERMADEC IS REG						
		LPB	eP	21 34 36.5		1.0	12	99.2
			SKS	44 42				
			ePS	47 07				
			eL	22 08				
		PNS	eP	21 34 36.8		1.1	7	
			PP	38 42.3				
			SKS	44 42				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	20	USCGS		21 41 09.8, 16.1N, 105.4W, H = 51Km., M = 4.8,				
		OFF CST OF MICHOACAN MEXICO						
		PNS	P	21 49 50.7		1.3	20	
		LPB	P	21 49 55		1.0	16	48.8
			eL	22 04				
JAN	20	PNS	iP	21 55 05.6		0.5	4	
			S	55 29				
JAN	20	PNS	eP	21 59 02				
		LPB	eP	21 59 02.2				
JAN	20	PNS	eP	22 17 02.8		1.0	9	
		LPB	eP	22 17 03.2		0.9	14	
JAN	20	PNS	eP	22 45 07				
JAN	21	PNS	P	00 06 27.8				
JAN	21	USCGS		00 28 12.5, 5.2S, 154.0E, H = 113Km., M = 5.1,				
		SOLOMON IS						
		PNS	eP	00 47 17.7		0.5	2	
			PKS	50 39.5				
			eSS	01 07 50				
			eL	32				
		LPB	ePKP	00 47 18				132.6
			PKS	50 38.6				
			eSS	01 07 32				
			eL	31				
JAN	21	USCGS		01 20 49.7, 8.0S, 117.6E, M = 134Km., M = 5.3,				
		SUMBAWA IS REG.						
		LPB	ePKP	01 40 26.7				154.8
			eL	02 33				
		PNS	ePKP	01 40 30.8		0.8	5	
JAN	21	PNS	iP	02 21 38.8	D			
			iS	22 02.4				
		LPB	eP	02 21 42.2		0.7	11	
JAN	21	LPB	iP	02 56 47.6	C	0.8	22	
		PNS	iP	02 56 51.4	C	0.8	28	
JAN	21	LPB	eP	03 27 57.5				
JAN	21	LPB	eP	03 32 20				
		PNS	eP	03 32 31.4				
JAN	21	PNS	eP	04 16 03.8				
		LPB	eP	04 16 10				
JAN	21	LPB	P	04 40 50.2		0.8	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	21	USCGS	04 26 11.7, 33.8N, 141.7E, H = 57Km., M = 5.0 OFF E CST OF HONSHU, JAPAN.					
		LPB	PKP	04 45 50.7		1.1	12	148.0
			i	45 54.1				
			eL	05 37				
		PNS	ePKP	04 45 50.8		1.0	14	
JAN	21	LPB	P	05 03 36.8		0.8	18	
JAN	21	LPB	P	05 16 10	C	1.0	20	
		PNS	eP	05 16 12				
JAN	21	LPB	eP	06 18 59				
		PNS	eP	06 18 59.7				
JAN	21	PNS	iP	07 06 17.6	D			
			eS	06 40				
		LPB	P	07 06 17.7				
JAN	21	LPB	eP	11 19 54				
		PNS	P	11 19 57.7				
JAN	21	LPB	eP	11 48 24				
		PNS	eP	11 48 28.7				
JAN	21	PNS	eP	12 21 42		1.0	10	
		LPB	eP	12 21 45				
JAN	21	LPB	eP	12 32 04				
			e	32 26.6				
			eL	13 07				
JAN	21	PNS	iP	13 50 30.7	D	0.6	8	
			S	50 52.8				
		LPB	eP	13 50 33.5				
JAN	21	LPB	eP	14 10 07.7		0.8	31	
			i	10 37.2				
		PNS	eP	14 10 09.6		1.0	23	
JAN	21	LPB	eP	15 48 19.3				
JAN	21	USCGS	16 42 29.2, 1.2S, 14.0W, - H = 33Km., N OF ASCENSION IS					
		LPB	eP	16 51 54.4				55.5
			pP	52 07.5				
			iS	59 47				
			iSS	17 03 34				
			eG	06				
			eL	09.5				
		PNS	eP	16 52 00.6				
			S	59 58				
			SS	17 03 36				
			eG	05				
			L	09.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	21	LPB	eP	18 28 49.5				
	21	LPB	P	19 12 32.7		1.0	16	
		PNS	eP	19 12 36				
	21	LPB	P	19 24 26.7		1.0	26	
	21	USCGS	22 55 35.8, 5.0S, 150.8E, H = 185Km., M = 5.0, NEW BRITAIN REG.					
		PNS	PKP	23 14 25		0.8	3	
		LPB	PKP	23 14 38.8		1.0	22	135.0
	21	USCGS	23 44 46.1, 15.6N, 92.3W, H = 166Km., M = 5.0, MEXICO-GUATEMALA BOR REG					
		PNS	iP	23 52 02.8	C	1.0	22	
			PP	52 41				
			S	58 04				
			SS	00 01 06				
			L	03.3				
		LPB	P	23 52 06.8	C	1.0	140	39.6
			PP	52 40				
			PcP	54 24				
			S	58 00				
			eSS	24 01 00				
			L	02				
	22	PNS	P	00 23 46.8		0.5	6	
		LPB	eP	00 23 54				
	22	LPB	P	01 09 51.2		0.8	15	
			i	10 08				
		PNS	P	01 09 53.7		0.5	5	
	22	LPB	P	02 40 50.7		1.0	8.0	
		PNS	eP	02 40 52.5				
	22	USCGS	03 44 58.9, 8.4S, 74.2W, H = 168Km., M = 4.4 PERU-BRAZIL BOR REG					
		PNS	P	03 47 15		1.1	34	9.9
		LPB	P	03 47 15				
	22	LPB	eP	06 15 26.7				
		PNS	eP	06 15 30.6				
	22	PNS	P	06 54 34.2				
	22	LPB	eP	07 07 27				
	22	LPB	eP	08 38 07.5		0.7	7	
	22	LPB	eP	10 01 53.8				
	22	USCGS	10 35 36.6, 38.2N, 75.6E, H = 108Km., M = 5.3, S SINKIANG PROV, CHINA					
		LPB	ePKP	10 54 52				141.5
			eL	11 43				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	22	USCGS 12 58 10.2, 17.6N, 61.0W, H = 33Km., M = 4.7, LEEWARD IS						
		LPB	eP	13 04 52				34.6
			eL	14				
		PNS	eP	13 04 55.7				
JAN	22	USCGS 15 36 41.2, 5.1S, 154.1E, H = 117Km., M = 4.8, SOLOMON IS.						
		LPB	ePKP	15 55 30				132.
JAN	22	USCGS 17 36 31.3, 28.5S, 112.6W, H = 33Km., M = 4.6, EASTER IS REG						
		PNS	P	17 44 25.6		1.2	28	42.
		LPB	eP	17 44 26.5				
			eL	56.7				
JAN	22	USCGS 18 16 49.8, 9.8S, 149.0E, H = 27Km., M = 5.3, E NEW GUINEA REG						
		LPB	ePKP	18 36 10				134
			eL	19 20				
		PNS	ePKP	18 36 13				
JAN	22	PNS	P	19 18 24.8		1.6	58	
		LPB	p	19 18 25.6				
			eL	23				
JAN	22	USCGS 23 44 29.7, 70.3N, 144.4W, H = 9Km., M = 4.7, ALASKA						
		LPB	eP	23 58 24				10
			eL	24 32.4				
JAN	23	LPB	eP	01 21 17.5				
			S	22 05.5				
		PNS	P	01 21 41.2	D			
			eS	22 08.6				
JAN	23	LPB	eP	02 16 24		0.7	3	
		PNS	eP	02 16 31.4				
JAN	23	USCGS 03 22 46.2, 26.0N, 95.5E, H = 103Km., M = 5.0, BURMA-INDIA BOR REG.						
		LPB	PKP	03 42 39.2		0.9	10	16
			eL	04 39				
JAN	23	LPB	eP	07 29 24				
JAN	23	LPB	eP	08 10 23				
JAN	23	LPB	eP	09 20 41		0.8	4	
JAN	23	LPB	P	10 02 04.8		0.8	9	
			S	02 44.5				
		PNS	eP	10 02 09				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	23	USCGS 14 32 31.7, 27.7S, 66.4W, H = 179Km., M = 4.2, CATAMARCA PROV. ARGENTINA						
		LPB	P	14 35 09.5		0.9	17	10.8
			eS	37 10.4				
		PNS	iP	14 35 13.3		0.5	4.1	
			eS	37 17.5				
JAN	23	LPB	eP	15 09 23.8				
		PNS	eP	15 09 26.2				
JAN	23	USCGS 16 06 50.1, 52.1N, 171.3W, H = 53Km., M = 5.2, FOX IS, ALEUTIAN IS						
		LPB	ePKP	16 25 27				110.9
			eL	59				
JAN	23	PNS	P	16 37 38.7		0.5	5.0	
JAN	23	USCGS 19 16 29.0, 40.8N, 142.8E, H = 35Km., M = 4.7, NR E CST OF HONSHU. JAPAN						
		LPB	ePKP	19 36 02				144.0
JAN	23	USCGS 21 38 22.3, 3.8N, 126.6E, H = 78Km., M = 5.6, TALAUD IS						
		LPB	ePKP	21 58 20				160.2
			eL	22 54				
JAN	23	LPB	P	22 20 36.3		1.0	32	
		PNS	P	22 20 40.5	D	0.5	5	
JAN	23	LPB	P	22 43 22.8		0.7	20	
			eS	44 46.7				
		PNS	P	22 43 26.7	C	0.7	7	
			eS	44 52				
JAN	23	PNS	eP	23 31 12				
		LPB	eP	23 31 13.4				
JAN	24	USCGS 00 59 21.9, 8.1N, 38.1W, H = 33Km., M = 5.1, CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	01 06 44.5		1.0	22	38.5
			eS	12 40				
			L	17				
		PNS	P	01 06 45	D	0.7	11	
			PP	08 25				
			eS	12 42				
JAN	24	PNS	eP	02 42 14.6		1.0	7	
		LPB	eP	02 42 14.7				
JAN	24	LPB	eP	02 43 44.3				
			eS	44 16				
		PNS	eP	02 43 44.7	D	0.4	3	
			eS	44 17.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	24	PNS	eP	05 46 35.6		1.6	25	
		LPB	P	05 46 37.7		1.0	10	
			L	06 07.4				
JAN	24	LPB	eP	06 36 59.5				
JAN	24	USCGS 07 14 54.9, 5.3S, 151.4E, H = 99Km., M = 4.7, NEW BRITAIN REG.						135.
		LPB	ePKP	07 34 02				
JAN	24	LPB	eP	08 17 52.2				
		PNS	eP	08 17 57.4				
JAN	24	LPB	eP	08 42 31.5				
		PNS	P	08 42 31.7	D	0.4	7	
			S	42 54.8				
JAN	24	USCGS 09 30 49.9, 5.9S, 149.5E, H = 97Km., M = 5.4, NEW BRITAIN REG.						136.
		LPB	ePKP	09 49 51				
		PNS	ePKP	09 49 52.5		0.9	4	
JAN	24	USCGS 11 52 13.7, 1.5N, 126.6E, H = 93Km., M = 4.7, MOLUCCA PASSAGE.						158.
		LPB	ePKP	12 12 05				
JAN	24	PNS	eP	13 01 53.1		0.4	3	
		LPB	P	13 01 55.7		1.0	36	
JAN	24	LPB	eP	16 40 17.7				
		PNS	eP	16 40 20.2				
JAN	24	PNS	eP	20 57 32.8		0.3	2	
			S	57 57.4				
JAN	24	PNS	iP	22 13 57.7	D	0.5	9	
			S	14 22.5				
JAN	24	LPB	eP	22 50 12.8		0.4	1	
		PNS	P	22 50 17.1				
			S	50 52.2				
JAN	25	USCGS 01 19 01.2, 24.0S, 66.8W, H = 207Km., M = 4.3, SALTA PROV. ARGENTINA.						7.
		LPB	P	01 20 49		0.9	161	
			S	22 14				
JAN	25	LPB	eP	08 11 06.2		0.8	18	
JAN	25	USCGS 09 56 48.7, 37.8N, 13.2E, H = 33Km., M = 5.1, SICILY						9
		PNS	eP	10 10 02.5				
			eSS	27 40				
			L	42				
		LPB	eP	10 10 05.6				
			eSKS	20 46				
			eSS	27 24				
			L	41.4				

NTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
N	25	PNS	eP	11 49 03.2				
			e	50 01.6				
		LPB	eP	11 49 03.9				
			e	50 08.6				
N	25	PNS	P	13 48 51.6		0.4	2	
N	25	PNS	P	14 40 05.7	D	0.4	2	
N	25	PNS	eP	16 37 22.6		0.5	4	
N	25	PNS	iP	20 32 23.2		0.3	2	
			S	32 48				
N	25	PNS	P	20 51 37		0.6	2	
N	25	PNS	P	21 35 03.5		0.5	2	
N	26	PNS	iP	01 00 28.4	D	0.6	12	
			iS	00 51.4				
		LPB	eP	01 00 30.3				
			eS	00 56				
N	26	LPB	eP	01 31 45				
			S	32 20				
		PNS	iP	01 31 56.8	D	0.8	5	
			S	32 29.3				
N	26	USCGS 01 45 23.5, 9.1S, 120.8E, H = 27Km., M = 5.3, SUMBA IS REG.						
		PNS	ePKP	02 05 18.4		1.4	13	
			PKP2	05 41.8				
		LPB	ePKP	02 05 20.5				152.7
			PKP2	05 42				
			eL	57				
N	26	LPB	eP	02 31 26.5				
N	26	LPB	eP	03 11 12.3				
			eL	15				
N	26	USCGS 04 45 41.4, 8.8S, 120.4E, H = 29Km., M = 5.9, FLORES IS REG.						
		LPB	PKP	05 05 35	D	1.2	50	153.2
			pPKP	05 46				
			ePP	09 38				
			eSKS	13 46				
			SS	29 10				
			G	49.4				
			L	59				
		PNS	PKP	05 05 35.4		1.4	40	
			pPKP	05 50				
			SS	29 11				
			L	58.8				
N	26	LPB	eP	05 13 22.5		1.1	32	
		PNS	eP	05 13 36.5		1.1	29	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	26	LPB	eP	05 57 14				
			e	58 28				
JAN	26	PNS	eP	06 40 38.4				
		LPB	eP	06 40 41				
JAN	26	PNS	eP	07 03 05.5				
JAN	26	USCGS 07 55 21.6, 36.4N, 138.2E, H = 12Km., M = 5.0 HONSHU, JAPAN.						
		PNS	ePKP	08 15 14.5		1.8	59	
		LPB	ePKP	08 15 11.8				
			eL	09 06				
JAN	26	USCGS 08 05 46.7, 36.3N, 138.3E, H = 26Km., M = 4.2 HONSHU. JAPAN.						
		LPB	ePKP	08 25 38				
			eL	09 16				
JAN	26	USCGS 09 09 37.0, 31.5S, 71.2W, H = 78Km., M = 4.1 NR CST OF CENTRAL CHILE.						
		LPB	eP	09 13 10		0.8	4	
			i	13 14.5				
		PNS	P	09 13 12		0.9	7	
			i	13 37				
JAN	26	USCGS 09 33 32.6, 11.2N, 139.1E, H = 33Km., M = 4. W CAROLINE IS.						
		LPB	ePKP	09 53 18				
			eL	10 46				
JAN	26	LPB	eP	10 54 49				
JAN	26	USCGS 12 30 46.3, 24.3N, 11.5W, H = 33Km., M = 5. BAJA CALIFORNIA.						
		PNS	P	12 40 40.8		1.6	83	
		LPB	P	12 40 43		1.8	163	
			eL	13 00				
JAN	26	PNS	eP	13 05 44.4				
JAN	26	PNS	P	16 37 14		0.5	8	
			eS	37 50				
JAN	26	PNS	eP	18 06 32				
JAN	26	PNS	eP	19 23 00				
JAN	26	LPB	P	20 37 58.7	D	0.7	28	
			eS	38 57				
		PNS	P	20 38 05				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	26	USCGS 23 02 53.9, 30.0N, 42.6W, H = 33Km., M = 4.5, NORTH ATLANTIC RIDGE.						
		PNS	P	23 12 05.2		1.2	20	
		LPB	P	23 12 05.7		1.1	25	52.5
			eL	28				
JAN	27	USCGS 00 48 35.6, 29.9N, 42.8W, H = 34Km., M = 5.0, NORTH ATLANTIC RIDGE						
		PNS	P	00 57 45.8		1.5	117	
			S	01 05 23				
			eL	14.8				
		LPB	iP	00 57 46.4	C	1.5	165	52.0
			eS	01 05 12				
			eL	14				
JAN	27	PNS	P	01 30 44.3	D			
			S	31 14.2				
		LPB	eP	01 30 46.5		0.9	27	
			S	31 20.3				
JAN	27	USCGS 01 41 35.4, 30.0N, 42.8W, H = 33Km., M = 4.6, NORTH ATLANTIC RIDGE						
		PNS	P	01 50 45.7	D	1.4	33	
			pP	52 43				
		LPB	P	01 50 46.2	C	1.4	72	52.5
			ePP	52 42.5				
			eL	02 07				
JAN	27	PNS	P	01 56 00.6				
JAN	27	PNS	eP	02 42 24.8				
		LPB	eP	02 42 35.5		1.0	10	
			eL	53				
JAN	27	LPB	eP	06 37 19.8				
JAN	27	PNS	P	08 54 08.5				
		LPB	P	08 54 10.5				
JAN	27	LPB	eP	09 26 15.8		0.9	8	
		PNS	eP	09 26 18.7				
JAN	27	LPB	iP	13 05 05.5	C	1.0	66	
			S	05 52.3				
		PNS	P	13 05 07.3	D	1.0	17	
			S	05 57.4				
JAN	27	USCGS 13 56 23.8, 23.2N, 121.6E, H = 53Km., M = 5.2, TAIWAN.						
		PNS	PKP	14 16 28.3		1.5	5	
			ePP	21 37				
			SS	42 32				
			eG	15 04.8				
			eL	16.5				
		LPB	PKP	14 16 28.8				168.3
			ePP	21 40				
			eSS	42 30				
			eL	15 16				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	27	PNS	P	14 45 58.4		0.5	3	
		LPB	eP	14 46 11.5				
JAN	27	PNS	P	16 41 59.2				
JAN	27	PNS	eP	16 54 54				
			S	55 33				
JAN	27	LPB	eP	18 40 29				
		PNS	eP	18 40 29.3				
			eS	42 04				
JAN	27	PNS	iP	23 44 23.4	D	0.4	6	
			S	44 53		0.7	14	
		LPB	P	23 44 23.8				
			S	44 53.6				
JAN	28	USCGS	01 50 46.2, 2.8N, 74.9W, H = 68Km., M = 4.9, COLOMBIA					
		PNS	P	01 55 22.5		1.2	15	
		LPB	P	01 55 25		0.8	21	20
			eS	59 05				
		CCH	P	01 55 43.2		1.0	14	
JAN	28	LPB	P	02 56 39.8				
			S	57 06				
		PNS	P	02 56 31.8				
JAN	28	PNS	iP	04 38 52	C	1.0	68	
		LPB	P	04 38 57	C	1.1	20	
		CCH	P	04 39 21.4				
JAN	28	CCH	P	06 41 15.1	D			
		LPB	P	06 41 18		0.9	19	
		PNS	P	06 41 21.3		0.9	25	
JAN	28	PNS	eP	06 48 49.3				
			eS	49 47.4				
		LPB	P	06 48 52				
JAN	28	PNS	eP	13 43 34.6				
			e	45 25				
		LPB	eP	13 44 19.2				
			i	45 29.2				
JAN	28	PNS	P	13 54 02.2		0.8	4.0	
JAN	28	LPB	iP	15 07 41.0		0.5	60	
			S	08 13				
		CCH	P	15 07 40.1	C	0.7	56	
		PNS	iP	15 07 41.0				
			eS	08 13				
JAN	28	USCGS	15 19 48.8, 23.9S, 65.4W, H = 34Km., M = 4 JUYJUY PROV. ARGENTINA.					
		CCH	P	15 21 24.9	C	0.8	52	
		LPB	P	15 21 47.3		0.8	6	
		PNS	eP	15 21 47.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	28	USCGS	18 20 49.7, 12.1N, 86.9W, H = 152Km., M = 4.4, NICARAGUA					
		PNS	P	18 27 18.2				
		LPB	eP	18 27 20				34.0
JAN	28	LPB	eP	20 54 51				
		PNS	eP	20 54 52.2				
JAN	28	USCGS	20 52 29.1, 56.7N, 153.3W, H = 64Km., M = 5.2, KODIAC IS REG.					
		LPB	eP	21 06 19				101.1
JAN	29	LPB	eP	01 11 49.5				
JAN	29	CCH	eP	01 43 08.7				
		LPB	eP	01 43 18				
		PNS	eP	01 43 46.3				
JAN	29	PNS	P	04 38 13.5				
JAN	29	LPB	eP	05 07 20		0.9	5	
		PNS	P	05 07 50		0.4	2	
JAN	29	USCGS	05 00 10.0, 36.3N, 70.4E, H = 225Km., M = 5.5, HINDU KUSH REG.					
		LPB	PKP	05 19 11.7	C	1.1	20	138.5
			pPKP	20 06				
			eL	06 05				
		PNS	PKP	05 19 11.9				
			pPKP	20 06.5				
			pP	21 44				
			SS	41 40				
			eG	57.1				
			eL	06 05.1				
JAN	29	PNS	P	05 50 07.7		0.8	8	
		LPB	eP	05 50 10		0.9	5	
JAN	29	LPB	eP	06 22 09.8				
			S	23 34				
		PNS	eP	06 22 14.4				
			S	23 39.8				
JAN	29	LPB	eP	08 05 14				
		PNS	eP	08 05 23				
JAN	29	USCGS	08 52 56.9, 54.6S, 1.3E, H = 33Km., M = 5.3, BOUVET ISLAND REG.					
		LPB	P	09 03 34.8		1.3	55	64.9
			eL	23				
		PNS	P	09 03 37.2	D	1.3	36	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DI
JAN	29	USCGS 09 16 30.5, 24.0S, 115.7W, H = 33Km., M = 5.0, EASTER ISLAND CORDILLERA						
		PNS	P	09 24 44.2	C	1.1	48	
			S	31 32.5				
			eG	34.8				
			L	38.1				
		LPB	P	09 24 45.5	C	1.0		
			S	31 33				
			eG	35				
			L	38.2				
		CCH	P	09 24 57.9				
JAN	29	LPB	eP	09 30 36				
		PNS	eP	09 30 44				
JAN	29	PNS	P	10 23 28.9	D	0.5	5	
JAN	29	USCGS 10 13 16.5, 5.6S, 153.9E, H = 70Km., M = 5.3, NEW IRELAND REG.						
		LPB	ePKP	10 32 19				
			PKS	35 54				
		PNS	ePKP	10 32 26.8				
			ePKS	35 53				
		CCH	ePKP	10 32 30.2				
JAN	29	USCGS 10 19 05.6, 43.6N, 146.7E, H = 40Km., KURILE IS						
		CCH	ePKP	10 38 30.9				
		PNS	ePKP	10 38 24.2	C	1.1	16	
			pPKP	38 32.6				
			PP	41 35				
			PKS	42 05				
			pS	52 02				
			eSS	11 00 00				
		LPB	ePKP	10 38 24.5		1.1	37	
			i	38 27.3				
			iPP	41 40				
			PKS	42 02				
			ePS	52 00				
			SS	11 00 12				
			eG	16.8				
			L	25.5				
JAN	29	PNS	P	10 48 32.4				
			i	50 03.6				
JAN	29	USCGS 10 42 08.2, 43.2N, 147.2E, H = 41Km., M = 5. KURILE IS.						
		PNS	ePKP	11 01 47.8				
		LPB	PKP	11 01 49.6				
JAN	29	USCGS 11 43 59.1, 43.4N, 147.3E, H = 33Km., M = 5. KURILE IS.						
		PNS	ePKP	12 03 26.7		1.1	16	
		LPB	ePKP	12 03 28				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	29	USCGS 12 07 08.0, 43.2N, 147.3E, H = 33Km., M = 5.0, KURILE IS.						
		PNS	ePKP	12 26 36.6				
		LPB	ePKP	12 26 37				140.2
JAN	29	PNS	P	13 04 34.3	C	0.7	3	
JAN	29	LPB	eP	14 01 02				
			e	01 17.5				
		PNS	eP	14 01 03				
			e	01 20.8				
JAN	29	USCGS 14 43 50.5, 43.1N, 146.9E, H = 33Km., M = 4.7, KURILE IS.						
		LPB	ePKP	15 03 23				140.4
			eL	50				
		PNS	ePKP	15 03 31.6				
JAN	29	USCGS 15 43 19.1, 33.8S, 179.3W, H = 33Km., M = 5.1, S OF KERMADEC IS						
		PNS	P	15 56 51.7		0.9	4	
		LPB	eP	15 56 54				97.2
			eL	16 29.4				
JAN	29	LPB	eP	16 20 12				
		PNS	P	16 20 12.3		1.7	25	
		CCH	eP	16 20 42.7				
JAN	29	USCGS 16 09 00.9, 5.2S, 154.2E, H = 111Km., M = 5.0, SOLOMON IS						
		LPB	ePKP	16 28 03				132.4
			eL	17 11				
		PNS	ePKP	16 28 05.7				
JAN	29	USCGS 16 42 50, 43.5N, 147.2E, H = 36Km., M = 5.7, KURILE IS						
		LPB	ePKP	17 02 11		1.0	16	140
			pPKP	02 18.6				
			ePP	05 12				
			ePKS	05 52				
			eSS	23 33				
			eL	49.7				
		PNS	P	17 02 11.3		1.0	8	
			pPKP	02 17.8				
			ePP	05 20				
			ePKS	05 50.6				
			eG	40.1				
			eL	49.3				
JAN	29	LPB	eP	17 36 16.8				
		PNS	eP	17 36 17.3		1.0	5	
JAN	29	LPB	eP	17 59 12.5				
		PNS	eP	17 59 14.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	29	LPB	eP	19 32 32.5		1.0	54	
		PNS	iP	19 32 33.6	C	0.9	16	
		CCH	P	19 32 33.9				
JAN	29	USCGS	18 53 49.0, 99.7N, 153.2W, H = 151Km., M = 5.2, S ALASKA.					
		LPB	eP	19 07 30				101
			eL	42				
JAN	29	PNS	P	19 49 59				
			S	50 13.7				
JAN	29	USCGS	20 52 21.3, 56.4N, 153.6W, H = 6Km., M = 5.2, KODIAK IS REG.					
		LPB	eP	21 06 28.8				101
			eL	40				
JAN	29	LPB	P	21 22 29.2	C	0.7	34	
			S	23 34.2				
		PNS	iP	21 22 33.3	C	0.8	28	
			S	23 38				
JAN	29	PNS	P	23 18 43.3		0.7	3	
			S	20 00				
JAN	30	CCH	eP	00 00 26.7				
		LPB	eP	00 00 39		0.7	8	
		PNS	P	00 00 41.8		0.6	3	
JAN	30	PNS	iP	00 43 31.5	C			
			S	44 02				
		LPB	P	00 43 35.5		0.9	17	
		CCH	P	00 43 58.7				
JAN	30	PNS	iP	01 13 32.6	D			
		LPB	P	01 13 34.2		0.7	11	
JAN	30	USCGS	01 30 12.7, 43.3N, 146.8E, H = 12Km., M = 5.3, KURILE IS.					
		LPB	PKP	01 49 40.7		1.0	10	14
			PKS	53 19.3				
			eL	37				
		PNS	P	01 49 42.6		1.3	18	
			PKS	53 17				
		CCH	eP	01 49 48.2				
JAN	30	USCGS	01 48 28.6, 43.3N, 147.7E, H = 33Km., M = 5.1, KURILE IS.					
		PNS	ePKP	02 07 56.9		1.0	10.9	
			SS	28 48				
		LPB	PKP	02 07 57.8		1.1	12	13
			eSS	29 28				
			eL	54				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	30	PNS	eP	02 11 05.8				
		LPB	eP	02 11 07				
JAN	30	LPB	eP	02 39 25				
		PNS	eP	02 39 13.4				
			S	40 04.6				
JAN	30	USCGS	02 38 12.6, 43.3N, 147.7E, H = 33Km., M = 5.1, KURILE IS.					
		PNS	ePKP	02 57 22				
		LPB	PKP	02 57 41		1.0	10	139.5
			eL	03 44				
JAN	30	USCGS	02 42 28.2, 43.6N, 147.6, H = 33Km., M = 4.7, KURILE IS.					
		PNS	ePKP	03 01 11.4				
		LPB	ePKP	03 01 15				139.6
JAN	30	USCGS	03 01 44.0, 43.1N, 147.2E, H = 28Km., M = 5.4, KURILE IS.					
		PNS	ePKP	03 21 12.9		0.9	4	
		LPB	PKP	03 21 13				140.3
			pPKP	21 23				
			eL	04 08				
JAN	30	USCGS	03 23 41.9, 43.3N, 147.4E, H = 33Km., M = 4.9, KURILE IS.					
		PNS	ePKP	03 43 10				
		LPB	ePKP	03 43 10.9				139.5
JAN	30	PNS	eP	03 53 45.5				
		LPB	eP	03 53 49.5				
JAN	30	USCGS	03 44 24.4, 6.1S, 113.3E, H = 594Km., M = 6.2, JAVA.					
		CCH	iPKP	04 03 15.7	C			
		LPB	iPKP	04 03 17	D	1.1	32	157.3
			PKP2	03 52				
			PKS	05 12				
			ePP	07 29				
			eSS	27 19				
			eL	58				
		PNS	iPKP	04 03 17.7	D	1.0	68	
			iPKP2	03 53.7				
JAN	30	LPB	eP	04 17 58				
		PNS	eP	04 17 59.8				
			e	18 15				
JAN	30	USCGS	04 10 36.1, 43.1N, 147.1E, H = 24Km., M = 5.1, KURILE IS.					
		PNS	PKP	04 44 10.5		1.0	82	
		LPB	PKP	04 44 14	C	1.1	62	140.3
			eL	05 17				
		CCH	ePKP	04 44 24.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	30	USCGS	04 39 15.5,	6.8N, 73.1W,	H = 162Km.,	M = 5.0,		
		N COLOMBIA.						
		PNS	P	04 44 11.4				
			pP	44 46				
			S	47 58				
			eL	50.4				
		LPB	P	04 44 13.8	C	1.1	70	23.
			pP	44 48.5				
			S	48 16.7				
			eL	50.5				
JAN	30	USCGS	06 08 35.2,	43.5N, 147.1E,	H = 33Km.,	M = 5.0,		
		KURILE IS.						
		PNS	ePKP	06 28 03.2		1.3	18	
		LPB	PKP	06 28 03.8		1.0	8	140
			e	30 07.5				
JAN	30	LPB	iP	07 04 33.5		0.6	27	
			S	05 02.5				
		PNS	iP	07 04 35.0	C	0.5	13	
			S	05 03.6				
		CCH	P	07 04 46.2	D			
JAN	30	USCGS	08 17 32.3,	36.4N, 70.7E,	H = 205Km.,	M = 5.2,		
		HINDU KUSH REG.						13
		LPB	ePKP	08 36 36				
			ePP	39 49.5				
		PNS	PKP	08 36 37.3		1.0	8	
			ePP	39 51				
			eSS	57 44				
JAN	30	USCGS	09 06 28.9,	43.0N, 146.9E,	H = 33Km.,	M = 1.6,		
		KURILE IS.						
		LPB	PKP	09 25 58	C	1.0	90'	14
		PNS	PKP	09 25 59.2	C	0.9	34	
JAN	30	LPB	eP	09 37 49.4		1.0	16	
		PNS	eP	09 37 49.5		0.9	9	
JAN	30	CCH	P	10 33 23.2				
		LPB	eP	10 33 45.5				
			S	34 27				
		PNS	eP	10 33 52.7				
JAN	30	PNS	iP	12 54 48.3	D	0.5	1	
		LPB	eP	12 54 49				
JAN	30	PNS	iP	14 03 43	D	0.5	7	
			S	04 07.5				
JAN	30	USCGS	18 26 08.6,	32.2N, 141.9E,	H = 25Km.,	M = 4.5		
		S OF HINSHU, JAPAN.						1
		LPB	ePKP	18 45 48				
		PNS	ePKP	18 45 50.3				

TH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	30	USCGS	20 12 41.7,	22.0S, 68.5W,	H = 118Km.,	M = 5.3,		
		N CHILE.						
		CCH	iP	20 13 57.7	D			
		LPB	iP	20 14 03	C	0.7	253	5.4
			pP	14 29				
			iS	15 07				
		PNS	iP	20 14 06.4	C			
			pP	14 28				
			S	15 05				
	30	LPB	eP	20 22 32				
		PNS	P	20 22 35.8				
		CCH	iP	20 22 37.7	D			
	30	PNS	eP	21 34 33.4		0.7	2	
		LPB	eP	21 34 40				
	30	CCH	eP	22 12 28.7				
		LPB	P	22 12 31		1.0	66	
			S	13 25.4				
		PNS	iP	22 12 33.7	C	0.7	17	
			S	13 22.1				
	30	CCH	eP	22 25 20.2				
		LPB	eP	22 25 23		0.7	21	
			eS	26 05				
		PNS	iP	22 25 24.4	C	0.5	5	
			S	26 10				
	30	PNS	iP	22 41 00.9	C	0.4	4	
		LPB	eP	22 41 05				
	30	PNS	iP	23 11 02.6	C	0.5	6	
	31	LPB	P	00 48 12.6		0.9	24	
		CCH	P	00 48 12.7				
		PNS	iP	00 48 14.1	D	1.1	10	
	31	PNS	eP	00 58 06				
	31	USCGS	01 23 45.2,	24.7N, 111.5W,	H = 33Km.,	M = 4.9,		
		BAJA CALIFORNIA.						
		PNS	eP	01 33 35				
		LPB	eP	01 33 40		1.0	20	59.0
			eL	52				
	31	USCGS	01 17 44.7,	24.2N, 141.1E,	H = 173Km.,	M = 4.6,		
		VOLCANO IS REG.						
		PNS	ePKP	01 37 21				
		LPB	ePKP	01 37 21.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	31	USCGS 02 03 29.4, 27.7S, 63.2W, H = 580Km., M = 4.9, SANTIAGO DEL ESTERO. ARG.						
		CCH	iP	02 05 53.9	C			
		LPB	P	02 06 09.2	C	8.0	15	12.2
			S	08 18.4				
			e	17 16.5				
		PNS	iP	02 06 13.1	C	1.3	38	
			S	08 25				
JAN	31	CCH	P	02 13 37.2				
		LPB	eP	02 13 42				
		PNS	P	02 13 43	D	1.0	12	
			S	17 19.4				
JAN	31	LPB	eP	02 30 31.7				
		PNS	iP	02 30 39.1	D	0.4	3	
JAN	31	LPB	eP	02 48 29.7				
		PNS	iP	02 48 32				
JAN	31	USCGS 02 58 29.8, 6.9S, 130.3E, H = 22Km., M = 5.5, BANDA SEA.						
		LPB	PKP	03 18 18.3		1.2	12	150
			i	18 23.3				
		PNS	iPKP	03 18 23.2	C	1.3	44	
		CCH	iPKP	03 18 23.7				
JAN	31	LPB	P	04 27 23.1		1.0	6	
		PNS	eP	04 27 27.3				
JAN	31	LPB	P	04 54 26.5		0.8	4	
			eL	05 01				
		PNS	P	04 54 30.0		0.9	6	
			e	55 15.9				
JAN	31	USCGS 04 55 44.1, 43.5N, 147.6E, H = 33Km., M = 4.6, KURILE IS.						13
		LPB	ePKP	05 15 12				
			eL	06 02				
		PNS	ePKP	05 15 12.8				
JAN	31	LPB	P	05 24 52	C			
			i	24 53				
			S	25 31.2				
		PNS	P	05 24 54.5	C	0.5	4	
			S	25 35.7				
JAN	31	PNS	eP	05 36 05				
		LPB	eP	05 36 05.5				
JAN	31	PNS	eP	05 47 26.7		0.9	6	
		LPB	eP	05 47 34.7				
JAN	31	LPB	eP	06 32 48.7				
JAN	31	PNS	P	06 47 26.7		0.9	6	
		LPB	P	06 47 28.5		0.8	7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	31	CCH	P	07 10 58.7				
		LPB	eP	07 11 04		0.8	4	
		PNS	eP	07 11 08				
			i	11 26.3				
JAN	31	USCGS 09 00 29.6, 60.0S, 183W, H = 32Km., M = 5.0, SW ATLANTIC OCEAN.						
		LPB	P	09 10 07.9		1.6	16	56.2
			pP	12 19.5				
			S	18 00				
			eL	37				
		PNS	eP	09 10 11.6	D	1.7	50	
			S	18 07				
JAN	31	LPB	eP	10 14 26				
		PNS	eP	10 14 38				
JAN	31	LPB	eP	11 32 35				
JAN	31	USCGS 11 45 16.9, 29.9N, 92.1E, H = 18Km., M = 5.2, TIBET						
		LPB	ePKP	12 05 13				157.6
			eL	13 00				
		PNS	ePKP	12 05 17.8				
JAN	31	USCGS 13 29 24.4, 4.3S, 128.6E, H = 33Km., M = 5.3, BANDA SEA.						
		LPB	ePKP	13 49 19				153.4
			PKP2	49 40.5				
		PNS	ePKP	13 49 22.6				
			PKP2	49 33				
JAN	31	USCGS 14 11 35.9, 16.3S, 73.8W, H = 62Km., M = 3.9, NR CST OF PERU						
		PNS	eP	14 12 54.6		0.8	2	
		LPB	eP	14 13 01		0.9	25	5.4
			eS	14 06.5				
JAN	31	PNS	eP	17 26 46				
			eS	27 47.5				
		LPB	eP	17 26 52		1.0	40	
JAN	31	PNS	eP	17 47 25				
			S	47 49.5				
		LPB	eP	17 47 32		0.6	8	
JAN	31	USCGS 21 58 24.1, 43.0N, 147.8E, H = 33Km., M = 4.9, KURILE IS						
		LPB	ePKP	22 17 13				139.5
JAN	31	LPB	eP	22 42 51.7		1.9	184	
			S	51 58				
			eSS	56 22				
			G	23 00.3				
			eL	04.1				
		PNS	P	22 42 53.9	C	.8	58	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	1	PNS	eP	00 44 32.1	D	0.7	21	
			S	44 57.7				
		LPB	iP	00 44 32.2	D	0.5	6	
			S	44 59				
		CCH	eP	00 44 47.7				
FEB	1	PNS	P	00 47 23.5				
			S	48 07				
FEB	1	USCGS 00 40 03.6, 2.7S, 137.1E, H = 33Km., W NEW GUINEA						
		LPB	eL	01 51				148.0
		PNS	PKP	00 59 45.1				
FEB	1	PNS	eP	01 23 04.8				
		LPB	eP	01 23 06.5				
FEB	1	PNS	eP	02 47 02.6				
FEB	1	LPB	eP	03 15 03				
			S	15 32.5				
		PNS	P	03 15 04				
FEB	1	USCGS 03 48 28.3, 5.2S, 154.0E, H = 121Km., SALOMON IS						
		LPB	eL	04 50				
FEB	1	USCGS 04 59 24.5, 9.1S, 123.8E, H = 13Km., M = 5.0 TIMOR						
		LPB	PKP	05 19 18				151.7
			eL	06 11				
		CCH	PKP	05 19 23.2				
		PNS	PKP	05 19 24				
FEB	1	PNS	eP	05 28 22		1.0	12	
FEB	1	LPB	P	07 32 49				
			S	33 32				
		PNS	eP	07 32 50				
FEB	1	LPB	P	07 42 56.4	D	0.7	10	
			eS	43 25				
		PNS	eP	07 42 57				
			eS	43 22.6				
FEB	1	USCGS 07 58 03.5, 50.0N, 129.8W, H = 14Km., M = 5 VANCOUNER IS REG						
		PNS	eP	08 10 25				
			SKS	21 17		1.0	16	
		LPB	eP	08 10 42				
			SKS	21 14				
			eL	39				
		CCH	eP	08 10 49.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	1	PNS	eP	09 53 31.5	C	0.8	4	
		LPB	eP	09 53 32				
FEB	1	CCH	eP	10 43 44.9				
		LPB	eP	10 44 59.7				
FEB	1	LPB	eP	11 34 18.5				
		PNS	eP	11 34 19.4				
FEB	1	USCGS 12 47 23.4, 43.2N, 146.9E, H = 35Km., M = 5.5. KURILE IS.						
		CCH	ePKP	13 06 47.7				
		PNS	PKP	13 06 51.4		1.2	2	
			ePKS	10 24.3				
		LPB	ePKP	13 06 52.5		1.2	43	140.4
			PKS	10 26.3				
			eSS	28 16				
			eL	55				
FEB	1	LPB	eP	14 01 25.8		0.9	15	
FEB	1	USCGS 19 02 09.4, 42.9N, 147.0E, H = 33Km., M = 4.7. OFF CST OF OKKANDO, JAPAN.						
		LPB	eL	20 09				140.4
FEB	1	USCGS 19 31 57.1, 43.0N, 146.9E, H = 33Km., M = 4.7, KURILE IS						
		LPB	ePKP	19 51 28.5				140.4,
			eL	20 38				
FEB	1	PNS	P	20 24 30				
FEB	1	USCGS 23 13 47.2, 18.5S, 169.0E, H = 228Km., M = 5.1, NEW HEBRIDES IS.						
		LPB	eL	00 08				113.4
FEB	2	USCGS 00 17 50.5, 22.1S, 65.7W, H = 258Km., M = 4.3, JUYJUY PROV. ARGENTINA.						
		CCH	P	00 19 04.7	D			
		LPB	P	00 19 20.6	D	0.8	94	6.0
			ePn	20 28.5				
			S	20 28.5				
		PNS	iP	00 19 24.8	D	0.7	15	
			S	20 33				
FEB	2	PNS	eP	01 18 15.6				
			e	18 17.7				
		LPB	P	01 18 24.5		0.9	10	
			S	19 35.6				
		CCH	eP	01 18 48.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	2	CCH	eP	02 53 39.7				
		PNS	iP	02 53 42.4	D	0.5	10	
			S	54 07				
		LPB	iP	02 53 42.8	D	0.9	42	
			S	54 09.5				
FEB	2	CCH	P	05 04 58.2				
		PNS	eP	05 05 02.8				
		LPB	P	05 05 03		0.9	10	
			e	05 38				
FEB	2	USCGS 09 39 28.3, 7.9S, 127.0E, H = 116Km., M = 5. BANDA SEA.						
		PNS	ePKP	09 59 13.6		1.0	13	
		LPB	PKP	09 59 16.2		1.1	42	151.1
			eL	10 51				
		CCH	ePKP	09 59 16.2				
FEB	2	USCGS 11 10 13.1, 37.5S, 94.0W, H = 33Km., M = 4. N CHILE RISE.						
		PNS	eP	11 16 30.4		1.2	19	
		LPB	eP	11 16 30.6				31.
			L	25				
FEB	2	CCH	eP	11 52 26.7				
		LPB	eP	11 52 35.2				
			e	52 49.5				
		PNS	P	11 52 37		0.8		
FEB	2	PNS	eP	15 48 15.2				
		LPB	eP	15 48 16				
FEB	2	PNS	P	16 42 44.8		0.4	2	
			i	42 58.8				
			S	43 24.8				
		LPB	eP	16 42 54				
FEB	2	USCGS 18 28 46.0, 22.8S, 175.0W, H = 45Km., M = TONGA IS REG.						98.
		LPB	eP	18 42 24				
		PNS	eP	18 42 24.4				
FEB	2	USCGS 20 15 25.7, 43.2N, 147.0E, H = 25Km., M = 5. KURILE IS.						140
		LPB	ePKP	20 34 47				
		PNS	ePKP	20 34 54.7				
FEB	2	USCGS 21 15 00.7, 0.0N, 124.5E, H = 84Km., M = 4. N CELEBES.						15
		LPB	ePKP	21 35 22				
			e	35 33				
		PNS	ePKP	21 35 32.8				

TH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	3	USCGS 02 43 54.0, 21.7S, 69.4W, H = 97Km., M = 4.4, N CHILE.						
		LPB	P	02 45 13		0.9	9	5.4
			e	45 25.5				
			S	46 16.3				
		PNS	iP	02 45 15.9	C	1.1	34	
			eL	46.9				
	3	USCGS 03 26 16.6, 46.6N, 152.6E, H = 45Km., M = 5.3, KURILE IS.						
		PNS	ePKP	03 45 33.6		1.8	50	
		LPB	PKP	03 45 34		1.5	33	135.0
			eL	04 31				
	3	PNS	eP	04 19 36.8				
		LPB	eP	04 19 38.3				
	3	LPB	eP	04 35 36		0.8	16	
		PNS	P	04 35 40		0.8	6	
	3	PNS	eP	05 15 04.7				
		LPB	eP	05 15 05.5				
	3	PNS	P	05 18 15.7	C	0.7	12	
			S	19 05.4				
		LPB	P	05 18 21.3	D	0.6	7	
			S	19 13				
	3	USCGS 05 16 18.6, 17.5S, 176.3, H =33Km., M = 5.1, FIJI IS REG.						
		LPB	ePKP	05 30 35				108.0
	3	USCGS 05 36 14.6, 16.7N, 99.4W, H = 9Km., M = 5.7, NR CST OF GUERRERO, MEXICO.						
		PNS	iP	05 44 30.6	C	1.6	180	
			S	51 12				
			SS	54 50				
			L	59.7				
		LPB	P	05 44 33.8	C	2.0	356	45.1
			S	51 11				
			SS	54 30				
			L	58				
	3	PNS	iP	05 51 48.5	D			
			S	52 11				
		LPB	P	05 51 51				
	3	LPB	eP	07 05 30.5				
	3	PNS	P	07 29 13.3	D	0.6	4	
		LPB	P	07 29 14				
	3	USCGS 10 52 14.8, 54.5N, 161.8E, H = 33Km., M = 4.6, NR E CST OF KAMCHATKA						
		LPB	ePKP	11 11 18.4				126.0

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	3	USCGS 11 43 04.4, 12.2S, 76.3W, H = 46Km., M = 5.0, NR CST OF PERU.						
		PNS	P	11 45 11.5	D	0.9	20	
			L	48.1				
		LPB	P	11 45 18.2	C	1.0	36	8.7
			ePP	45 36.2				
			eS	46 52.5				
			L	48				
FEB	3	USCGS 11 30 44.4, 43.2N, 146.8E, H = 33Km., M = 5.5, KURILE IS.						
		LPB	ePKP	11 50 15.5				140.4
			eL	12 37				
FEB	3	PNS	eP	15 41 19.4				
			S	41 33.8				
FEB	3	USCGS 15 40 44.5, 16.6N, 93.5W, H = 142Km., M = 5.3, CHIAPAS. MEXICO.						
		PNS	iP	15 48 15.8	D			
			S	54 21.8				
			SS	57 33				
			eL	16 00.5				
		LPB	iP	15 48 19.2	D	0.9	15	41.4
			S	54 26.3				
			SS	57 45				
			eL	16 00				
FEB	3	PNS	eP	16 39 08.3				
FEB	3	PNS	P	23 13 55.6				
			S	14 23				
FEB	4	PNS	P	01 12 03.9		0.6	3	
		LPB	eP	01 12 06				
FEB	4	LPB	eP	01 29 20.5				
		PNS	eP	01 29 29.8				
FEB	4	PNS	iP	01 54 55.4	D-	0.4	7	
			S	55 17.8				
		LPB	P	01 54 57.5				
FEB	4	LPB	eP	04 08 25.5				
FEB	4	PNS	iP	04 26 25.8	D	0.6	10	
			S	26 47.9				
		LPB	eP	04 26 26.5				
			S	26 51.5				
FEB	4	PNS	eP	08 32 28.4				
			S	32 50.4				
		LPB	eP	08 32 30.5				
FEB	4	PNS	eP	08 42 53.2		0.3	1	
			S	43 21				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	4	USCGS 09 10 25.3, 43.2N, 147.2E, H = 33Km., M = 5.4, KURILE IS.						
		LPB	ePKP	09 29 44				140.4
			PKS	33 27				
			eL	10 17				
		PNS	ePKP	09 29 53		1.4	11	
			eL	10 16.5				
FEB	4	LPB	eP	11 04 55.4		0.9	3	
		PNS	eP	11 04 56.9				
FEB	4	USCGS 11 00 50.1, 43.0N, 147.1E, H = 33Km., M = 5.5, KURILE IS.						
		LPB	ePKP	11 20 13				140.4
			pPKP	20 23.0				
			PKS	23 55				
			eSS	41 54				
			eG	12 01				
			eL	08				
		PNS	ePKP	11 20 14				
			pPKP	20 23.0				
			PKS	23 51				
			SKS	27 28				
			SS	41 43				
			G	12 01				
			L	07.7				
FEB	4	USCGS 11 06 21, 43.1N, 147.0E, H = 33Km., M = 5.3, KURILE IS.						
		LPB	PKP	11 25 50.7				140.4
		PNS	ePKP	11 25 50.8				
FEB	4	USCGS 11 27 24.8, 19.6S, 68.2W, H = 114Km., M = 5.3, CHILE-BOLIVIA BOR REG.						
		LPB	iP	11 28 21.8	D			3.1
			i	28 34.5				
			iS	29 02				
			iSS	42 35				
		PNS	iP	11 28 25.1				
			S	29 10				
			iSS	42 35.2	D			
FEB	4	PNS	iP	12 30 22.4	D			
			S	30 46				
		LPB	iP	12 30 24.4	C	0.8	11	
			iS	30 51.7				
FEB	4	USCGS 13 11 25.7, 16.8N, 99.1W, H = 87Km., M = 4.0, NR CST OF GUERRERO. MEXICO						
		PNS	eP	13 19 31.7				45.0
		LPB	eP	13 19 35				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	4	USCGS 16 26 18.2, 23.3S, 175.0W, H = 40Km., M = 4.9, TONGA IS REG.						
								98.1
		LPB	eP	16 39 49				
			eL	17 13				
		PNS	eL	17 11				
FEB	4	LPB	eP	17 17 57				
			eS	19 52		0.5	8	
		PNS	P	17 18 31.1				
			S	19 56				
FEB	4	PNS	iP	21 02 54.1	D			
			iS	03 24.7				
		LPB	eP	21 02 56				
			S	03 32.5				
FEB	4	LPB	eP	23 18 57		0.4	4	
		PNS	eP	23 18 59.7				
			S	20 25.7				
FEB	4	CCH	P	23 34 08.2				
		LPB	eP	23 34 16				
			i	34 34.4				
			S	35 51		0.7	4	
		PNS	eP	23 34 16.6				
			i	34 36.8				
			S	35 58.7				
FEB	5	USCGS 01 35 58.4, 16.0S, 69.0W, H = 177Km., M = 3.7 PERU-BOLIVIA BOR REG.						
		PNS	iP	01 36 25.2	D			
			S	36 51.2				
		LPB	iP	01 36 26.3	D	0.7	308	
			S	36 51				
		CCH	P	01 36 44.1				
			S	36 02.3				
		RTA	e	01 37 58.5				
FEB	5	LPB	eP	02 35 01.2				
		PNS	eP	02 35 02.2				
			eS	36 56				
		RTA	eP	02 36 39.0				
FEB	5	LPB	eP	04 58 19.5				
FEB	5	USCGS 06 12 49.8, 43.1N, 146.9E, H = 25Km., M = 4.1 KURILE IS.						
								140
		LPB	eL	07 18		0.8	16	
FEB	5	LPB	eP	06 58 47.7				
						0.9	7	
FEB	5	LPB	eP	08 06 57.5		0.6	4	
		PNS	P	08 07 03				

TH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
5		USCGS 09 28 19.8, 25.9N, 128.4E, H = 33Km., M = 4.8, RYUKYU IS						
		LPB	ePKP	09 48 22.4				162.0
			eL	10 46				
		PNS	ePKP	09 48 23.2				
5		PNS	P	10 27 02.0		0.6	3	
		LPB	eP	10 27 03.5				
5		USCGS 11 04 06.4, 42.5N, 98.2E, H = 33Km., M = 4.7, N CHINA						
		LPB	ePKP	11 23 50				150.7
			eL	12 15				
		PNS	ePKP	11 23 54				
			i	23 59.1				
5		USCGS 11 54 12.9, 176.8W, 24.4S, H = 159Km., M = 4.4, S OF FIJI IS.						
		LPB	eL	12 41				99.1
5		PNS	P	12 13 13.4		0.61	2	
			e	13 46.2				
		LPB	eP	12 13 18				
5		PNS	iP	13 46 08.6	D			
			iS	46 40.0				
		LPB	eP	13 46 11.5		0.8	12	
			S	46 50				
5		PNS	eP	16 32 53				
5		PNS	P	21 04 59.1		0.6	4	
5		LPB	eP	21 18 45				
		PNS	eP	21 18 48				
5		PNS	iP	22 46 15.9	D			
			S	46 38.4				
		LPB	iP	22 46 17.6	D	0.7	55	
			eS	46 41.7				
6		USCGS 00 41 37.2, 38.0N, 118.4W, H = 17Km., M = 4.6, CALIFORNIA-NEVADA BOR REG.						
		LPB	eP	00 52 58				72.0
6		PNS	iP	01 20 32.6	C	0.6	35	
			iS	20 57.4				
		LPB	iP	01 20 35.2	D	0.9	32	
			S	21 02.4				
6		CCH	eP	03 27 42.9				
		LPB	eP	03 27 47				
		PNS	eP	03 27 48				
			i	28 15.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST	
FEB	6	USCGS 04 07 23.5, 13.2S, 167.1E, H = 225Km., M = 4.							
		NEW HEBRIDES ISLANDS.							
									117.6
		LPB	ePKP	04 25 38					
FEB	6	USCGS 04 37 11.9, 0.1S, 124.3E, H = 40Km., M = 5.5							
		MOLUCCA SEA.							
									158.9
		LPB	PKP	04 57 10.5					
			PKP2	57 48					
			eL	05 52		1.5	24		
		PNS	PKP	04 57 10.8					
			PKP2	57 49.4					
FEB	6	USCGS 05 31 03.3, 25.2S, 68.5W, H = 97Km., M = 4.5							
		CHILE-ARGENTINA BOR REG.							
		LPB	P	05 33 08		0.8	15		
		PNS	iP	05 33 10.5	C	0.7	14		
			S	34 50					
			eL	36.3					
		RTA	eP	05 34 10.0					
			i	34 29.2					
FEB	6	USCGS 06 45 42.9, 55.0N, 162.1E, H = 33Km., M = 4							
		NR E CST OF KAMCHATKA							
									125.
		LPB	ePKP	07 04 46					
			eL	45					
FEB	6	PNS	P	07 19 10.6		0.8	6		
FEB	6	USCGS 09 47 53.4, 55.0N, 161.9E, H = 33Km., M = 4							
		NR E CST OF KAMCHATKA.							
									125.
		LPB	eL	10 47					
FEB	6	LPB	eP	10 12 46.7		1.01	12		
		PNS	P	10 12 51		0.8	9		
FEB	6	USCGS 11 19 23.1, 28.5S, 71.0W, H = 23Km., M = 5.							
		NR CST OF CENTRAL CHILE							
		CCH	P	11 22 15.3		1.4	45		12.
		LPB	P	11 22 20					
			pP	22 27.1					
			S	24 41					
			L	25.6					
		PNS	P	11 22 21.2		0.5	4		
			pP	22 27.9.					
			S	24 51					
			L	26.2					
		RTA	P	11 23 36.5	D				
FEB	6	LPB	eP	12 05 50					

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST	
	6	PNS	eP	13 01 58.7					
			S	03 12.7					
	6	PNS	eP	14 59 55		0.8	3		
		LPB	eP	14 59 36					
	6	USCGS 15 36 43.1, 11.8S, 166.1E, H = 40Km.,							
		SANTA CRUZ IS.							
		LPB	ePKP	15 54 37					110.2
			eL	16 31					
		PNS	eL	16 31.1					
	6	LPB	eP	16 14 17					
		PNS	eP	16 14 21.5					
	6	PNS	P	16 39 56		0.5	2		
	6	LPB	eP	16 46 46		0.9	29		
		PNS	P	16 46 47.9		0.8	10		
			eS	48 16					
	6	LPB	eP	17 23 06					
		PNS	eP	17 23 08					
	6	USCGS 19 09 10.2, 10.9N, 62.1W, H = 127Km., M = 4.3.							
		NR CST OS VENEZUELA							
		LPB	eP	19 14 51.6					27.9
			e	15 19.5					
		PNS	P	19 14 52.9		1.1	8		
			i	15 19.3					
	6	USCGS 19 56 55.0, 36.2S, 17.8W, H = 33Km., M = 4.4,							
		SOUTH ATLANTIC RIDGE.							
		LPB	eP	20 05 37.6					48.5
			eL	20					
		PNS	eP	20 05 44					
	6	LPB	eP	22 26 49					
			eL	40					
		PNS	P	22 26 51.6		1.0	4		
			eL	40					
	6	USCGS 22 47 52.4, 10.2N, 103.7W, H = 53Km., M = 4.8,							
		OFF CST OF MEXICO							
		PNS	P	22 55 54.6	C	1.4	56		
			iS	23 02 29					
			G	07.6					
			L	10					
		LPB	P	22 55 58.7	D	0.9	34		43.6
			S	23 02 28					
			eL	09					
	6	PNS	P	23 06 24.4					
			S	06 46.8					

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL.	DIST
FEB	6	PNS	eP	23 32 55.4				
		LPB	eP	23 33 05				
FEB	7	USCGS 00 20 52.8, 35.6S, 17.2W, H = 33Km., M = 5.1, SOUTH ATLANTIC RIDGE						
		LPB	P	00 29 38.2		0.9	17	48.9
			eL	44				
		PNS	P	00 29 40.8		0.8	6	
			L	41.4				
FEB	7	PNS	P	00 41 40.6		1.4	33	
			i	41 46.2				
			i	42 58.7				
		LPB	P	00 41 41.4		1.0	20	
			i	41 47.2				
FEB	7	LPB	eP	01 04 29.5				
		PNS	P	01 04 37.6				
			i	04 43.2				
FEB	7	PNS	eP	02 22 17.0		0.4		
			S	22 58				
FEB	7	LPB	eP	02 25 00				
		PNS	eP	02 25 02				
FEB	7	LPB	eP	02 33 12.8				
		PNS	eP	02 33 16				
FEB	7	PNS	eL	03 48.7				
		LPB	eL	03 49				
FEB	7	LPB	eP	04 03 33.5				
			e	04 38.5				
		PNS	eP	04 03 34				
FEB	7	USCGS 06 28 38.2, 31.0N, 130.9E, H = 52Km., M = 4. KYUSHU. JAPAN						
		PNS	ePKP	06 48 23				
			eL	07 44.1				15
		LPB	ePKP	06 48 28				
			eL	07 43				
FEB	7	PNS	P	07 34 07				
FEB	7	LPB	eP	07 40 56				
			e	41 19.6				
		PNS	P	07 40 59.4		0.9	8	
			S	41 57.2				
FEB	7	PNS	eP	08 28 19.5				
			e	28 37				
		LPB	eP	08 28 19				

NTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	7	USCGS 08 35 29.6, 43.6N, 127.3W, H = 33Km., M = 5.1, OFF CST OF OREGON.						
		PNS	eP	08 47 41.6				
			S	57 53				
			SS	09 03 17				
			eG	12.4				
			eL	17.5				
		LPB	eP	08 47 42		1.0	8	80.6
			eS	57 57				
			eSS	09 03 12				
			eL	14				
	7	LPB	eP	08 52 35.2		0.9	8	
		PNS	P	08 52 37.5		0.6	4	
	7	LPB	eP	09 28 20				
			e	28 37				
		PNS	eP	09 28 37.6		1.6	18	
			L	40.1				
	7	PNS	iP	10 41 14.0	D			
			S	41 44.4				
		LPB	iP	10 41 18.7	D	0.9	15	
			S	41 57.2				
	7	USCGS 12 23 03.2, 36.2N, 70.7E, H = 155Km., M = 4.9, HINDU KUSH REG.						
		LPB	ePKP	12 42 14				138.6
	7	PNS	P	13 28 05.6		0.5	8	
			S	28 36.3				
	7	PNS	P	14 15 09.6				
	7	LPB	eP	14 18 36				
			S	19 31.2				
		PNS	iP	14 18 43.1	C	0.5	10	
			S	19 22				
	7	LPB	iP	15 29 56.6	D	0.9	41	
			S	30 08.5				
		PNS	iP	15 30 01.1	D	0.5	9	
			i	30 22.6				
			S	31 14.8				
	7	PNS	eP	15 42 56.8		1.0	5	
	7	LPB	eP	16 33 45.6				
		PNS	P	16 33 49.8		0.6	4	
			S	34 25.5				
	7	PNS	P	20 34 52.3		0.5	4	
	7	PNS	P	22 24 32.3		0.4	2	
			eS	24 57				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	7	USCGS 22 22 20.2, 36.7N, 26.8E, H = 161Km., M = 5.						
		DODECANESE IS.						
		LPB	eP	22 36 18				103.5
FEB	8	LPB	eP	01 49 13.2		1.0	10	
FEB	8	LPB	eP	02 27 21.6		0.8	6	
			eL	35.8				
		PNS	eP	02 27 22		0.9	6	
			eL	36				
FEB	8	LPB	eP	03 43 20.7				
		PNS	P	03 44 18.0				
FEB	8	PNS	eP	05 50 14.7		0.8	3	
FEB	8	LPB	eP	07 01 03.6		1.0	8	
			i	01 09.2				
		PNS	P	07 01 05.7		0.8	11	
FEB	8	LPB	P	09 35 23.2		0.9	12	
			S	36 09				
		PNS	eP	09 35 23.9		0.7	5	
			S	36 06.5				
FEB	8	USCGS 09 22 28.6, 23.0N, 120.4E, H = 55Km., M = 4						
		TAIWAN.						
		LPB	ePKP	09 49 26				169.
			eL	10 49				
		PNS	ePKP	09 49 35				
FEB	8	USCGS 10 10 07.1, 21.8S, 68.5W, H = 119Km., M = 4						
		CHILE-BOLIVIA BOR REG.						
		CCH	P	10 11 19.3	D			
		LPB	iP	10 11 25.8	D	0.9	9	5.4
			pP	11 34.4				
			S	12 27.7				
		PNS	iP	10 11 28.1	C			
			i	11 52				
			S	12 31				
		RTA	eP	10 12 38.5				
			i	12 48.5				
FEB	8	USCGS 10 58 22.1, 14.6N, 53.9E, H = 33Km., M = 5.						
		ARABIAN SEA						
		PNS	ePKP	11 17 22		0.9	4	
		LPB	ePKP	11 17 22.5				124
			eL	57				
FEB	8	USCGS 11 09 40.1, 41.6N, 140.4E, H = 46Km., M = 4						
		HOKKAIDO, JAPAN REG.						
		LPB	ePKP	11 29 15				145
			eL	12 19				

DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
8	USCGS 12 04 12.8, 43.2N, 147.2E, H = 45Km., M = 5.0,						
	KURILE ISLANDS.						
	LPB	ePKP	12 23 42				140.3
	PNS	ePKP	12 23 42.6				
8	USCGS 12 28 21.0, 14.6N, 54.0E, H = 33Km., M = 5.4,						
	ARABIAN SEA.						
	LPB	ePKP	12 47 20.5				124.6
		eSS	13 06 12				
		eL	28				
	PNS	PKP	12 47 21.2		0.8	6	
		SS	13 06 10				
		G	20.3				
		eL	28.7				
8	PNS	eP	12 52 49.8				
8	PNS	eP	13 47 17				
8	USCGS 14 47 29.8, 2.4S, 23.5E, H = 33Km., M 4.7,						
	REPUBLIC OF THE CONGO.						
	LPB	eP	15 00 31				90.9
	PNS	eP	15 00 37				
8	USCGS 15 21 31.8, 18.9N, 103.3W, H = 125Km., M = 4.1,						
	NR CST OF MICHOACCION. MEXICO						
	PNS	P	15 30 08.4		1.9	67	
		pP	30 27.1				
	LPB	eP	15 30 10.7				49.0
		eL	45.3				
8	LPB	P	16 04 30.4		0.9	32	
	PNS	P	16 04 31.8		0.9	11	
8	USCGS 18 15 32.8, 10.8S,162.0E, H = 22Km., M = 5.0,						
	SOLOMON IS.						
	LPB	ePKP	18 34 29				123.0
		eL	19 14				
	PNS	ePKP	18 34 31.0				
		eL	19 14.2				
8	USCGS 22 50 04.0, 9.1S, 71.4W, H = 593Km., M = 4.7,						
	PERU-BRASIL BOR REG.						
	RTA	iP	22 51 43.5				
	PNS	iP	22 52 01.9	D			
		S	53 34.2				
	LPB	iP	22 52 05.4	D	1.0	280	7.9
		Pn	52 10.5				
		pP	52 17.2				
		eS	53 41.5				
	CCH	iP	22 52 20.8	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	8	USCGS 23 00 32.4, 44.7N, 152.2E, H = 40Km., M = 4.6, KURILE IS REG						
		PNS	PKP	23 19 51.0		0.9	5	
		LPB	ePKP	23 19 53				136.0
			eL	24 05				
FEB	9	USCGS 01 05 30.5, 18.1S, 168.1E, H = 32Km., M = 4.8, NEW HEBRIDES IS						
		PNS	ePKP	01 24 12.8				114.7
FEB	9	PNS	P	01 36 56.7				
			S	37 18.6				
FEB	9	PNS	P	02 00 52.6	C	0.5	2	
FEB	9	LPB	iP	02 24 50.2	C	0.7	6	
			S	25 02.5				
FEB	9	LPB	eP	02 38 47.8				
		PNS	P	02 38 49.6		0.5	1.8	
			S	40 14.8				
FEB	9	PNS	P	03 58 00.3				
			S	58 07.9				
FEB	9	PNS	P	04 18 57.5		0.4	3	
			S	19 25.6				
FEB	9	LPB	eP	04 28 13.6				
		PNS	eP	04 28 23.3				
FEB	9	LPB	eP	05 02 06.5		0.9	5	
		PNS	eP	05 02 06.6				
			S	02 43.6				
		CCH	eP	05 02 10.4				
FEB	9	PNS	eP	06 35 02.8				
FEB	9	LPB	iP	09 54 29	D	0.7	22	
			i	54 33.5				
		PNS	iP	09 54 29.4	D			
			S	54 55.8				
FEB	9	PNS	eP	10 06 42				
			eS	07 56				
		LPB	eP	10 06 54				
FEB	9	USCGS 11 32 59.5, 58.4S, 22.9W, H = 33Km., M = 4.9, S.SANDWICH ISLAND REG						
		LPB	eP	11 42 19				53.5
			eL	59				
		PNS	eP	11 42 20.7				
			eL	58.5				
FEB	9	CCH	eP	12 15 17.5				
		LPB	eP	12 15 22				
		PNS	P	12 15 24.2		0.9	7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	9	PNS	eP	12 40 18.7				
			S	40 42.5				
FEB	9	PNS	eP	13 38 25				
			S	39 42				
FEB	9	PNS	eP	14 31 01.4				
		LPB	eP	14 31 07.5				
FEB	9	LPB	eP	15 24 44.5				
		PNS	iP	15 24 46.7		0.7	4	
			S	25 09				
FEB	9	USCGS 15 33 06.3, 53.5N, 169.7E, H = 33Km., M = 5.4, KOMANDORSKY IS REG						
		LPB	ePKP	15 52 04				122.4
		PNS	ePKP	15 52 05.6				
FEB	9	LPB	eP	16 27 26.5				
		PNS	P	16 27 41.8	C	0.8	7	
FEB	9	LPB	eP	16 33 32				
		PNS	P	16 33 42.8		0.6	4	
FEB	9	USCGS 16 35 41.4, 23.3S, 171.2E, H = 99Km., M = 4.7, LOYALTY IS REG						
		LPB	eP	16 50 15				109.6
FEB	9	USCGS 18 06 28.2, 22.6S, 175.1W, H = 50Km., M = 5.0, TONGA IS REG						
		LPB	eP	18 20 00				98.1
			eSS	38 16				
			eL	53				
		PNS	eP	18 20 01.6				
FEB	9	PNS	eP	20 07 43.6		0.7	3	
FEB	9	USCGS 20 46 44.1, 13.9S, 82.4E, H = 33Km., M = 5.1, S INDIAN OCEAN						
		LPB	eL	21 58				151.1
FEB	9	PNS	P	21 43 17.3		0.7	3	
FEB	9	PNS	P	21 58 32.4		0.8	5	
FEB	9	USCGS 23 38 02.8, 26.7S, 14.2W, H = 14.2Km., M = 4.7, S ATLANTIC RIDGE						
		LPB	eP	23 47 03				
			eL	24 02.6				50.9
		PNS	eP	23 47 06.7		0.8	3	
			eL	00 01.1				
FEB	10	PNS	P	01 56 47.1		0.4	3	
			S	57 09.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	10	PNS	eP	02 11 13.6				
			i	11 17.5				
			S	12 03.8				
		LPB	eP	02 11 23				
			i	11 26.8				
			eS	12 17				
FEB	10	LPB	eP	02 51 03.7	D	0.5	15	
			S	51 27.9				
		PNS	iP	02 51 04.9	D	0.7	4	
			S	51 30 .				
FEB	10	LPB	eP	03 01 02.5				
		PNS	eP	03 01 02.8				
			eS	01 57				
		CCH	eP	03 01 10.8				
FEB	10	PNS	P	03 13 49.9	C	0.4	3	
			S	14 19.3				
FEB	10	LPB	eP	04 52 06.2				
		PNS	P	04 52 10.9	D	0.3	4	
FEB	10	USCGS 07 18 51.5, 52.0N, 173.9E, H = 33Km., M = 4						
		NEAR IS ALEUTIAN IS.						
		LPB	ePKP	07 37 46				120.
			eL	08 16				
FEB	10	PNS	P	08 36 13.8	D	0.5	3	
FEB	10	LPB	eP	09 26 31				
		PNS	eP	09 26 40.6				
			S	27 24				
FEB	10	USCGS 10 00 05.8, 46.0N, 152.3E, H = 87Km., M =						
		KURILE IS.						
		PNS	PKP	10 19 17.9	C	1.7	41	
			pPKP	19 40				
			iPKS	22 42.3				
			eSS	39 20				
		LPB	ePKP	10 19 18.4		1.7	67	
			eSS	39 46				
			eL	11 09				
FEB	10	LPB	eP	10 52 48				
		PNS	P	10 52 49.0	D	0.5	4	
FEB	10	PNS	eP	11 10 15				
FEB	10	PNS	P	15 05 38.2		0.6	2	
FEB	10	LPB	eP	15 09 06.5				
		PNS	eP	15 09 06.6		0.8	6	
FEB	10	PNS	P	15 10 27.0	C	0.4	3	
FEB	10	PNS	eP	15 12 23.6		0.5	3	
FEB	10	PNS	P	15 20 53.1				
			S	21 01.3				

NTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
EB	10	PNS	P	16 44 45.7		0.6	5	
			S	45 21.6				
		LPB	eP	16 44 48.5				
EB	10	USCGS 17 03 03.8, 34.1N, 78.5E, H = 37Km., M = 5.2,						
		KASHMIR-TIBET BOR REG						
		PNS	ePKP	17 22 41		1.0	7	
		LPB	ePKP	17 22 41.5		1.0	14	145.2
			eL	18 11				
EB	10	PNS	eP	17 50 42.6				
EB	10	PNS	eP	18 43 31				
EB	10	LPB	eP	19 34 24				
		PNS	eP	19 34 25.4		0.3	6	
EB	10	USCGS 21 52 11.4, 14.6S, 166.7E, H = 41Km., M = 4.4,						
		NEW HEBRIDES IS						
		LPB	eL	22 48				117.4
EB	10	PNS	eP	21 43 09.2				
EB	10	PNS	eP	22 10 36.8				
EB	10	PNS	iP	22 12 48.6	C	0.5	7	
			iS	13 17.9				
EB	10	PNS	iP	23 27 29.8	D	0.4	5	
			S	27 50				
		LPB	eP	23 27 20		0.9	8.5	
EB	10	LPB	eP	23 51 33				
			eL	01 01				
		PNS	eP	23 51 33.4				
EB	11	USCGS 00 57 19.6, 22.5S, 67.4W, H = 150Km., M = 4.3,						
		CHILE BOLIVIA BORDER REG.						
		CCH	P	00 58 33.7				
		LPB	iP	00 58 48.8	C	0.7	95	5.9
			eS	59 53				
EB	11	PNS	P	01 02 09.7				
EB	11	PNS	P	02 40 56.5	C	0.4	2	
EB	11	USCGS 02 25 01.2, 34.2N, 78.4E, H = 33Km., M = 4.8,						
		KASHMIR TISET BOR REG.						
		PNS	ePKP	02 44 38.2				
		LPB	ePKP	02 44 39.5				145.1
			eL	03 33				
EB	11	LPB	eP	05 04 43.5				
		PNS	eP	05 04 45				
EB	11	LPB	P	05 08 53.2	D	0.8	30	
			i	08 55.8				
			S	09 04.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	11	PNS	eP	05 09 03				
FEB	11	PNS	iP	05 29 12.9	D			
			S	29 36.7				
		LPB	iP	05 29 15	D	0.9	63	
			S	29 41				
		CCH	P	05 29 33.6				
FEB	11	LPB	eP	05 46 20.5				
		PNS	eP	05 46 24.2				
FEB	11	LPB	eP	07 02 40.6				
FEB	11	USCGS 12 14 08.6, 28.0N, 139.5E, H = 513Km., M = BONIN IS REG						
		LPB	ePKP	12 32 55.7				151.
			iPKP2	33 09.2				
			eL	13 25				
		PNS	ePKP	12 33 00.4		1.2	9	
			iPKP2	33 08.3				
			pPKP	35 13				
FEB	11	PNS	eP	17 53 54.3				
			S	54 16.3				
FEB	11	PNS	P	19 51 23.5		0.6	4	
		LPB	eP	19 51 24				
FEB	11	USCGS 20 38 29.4, 34.2N, 78.6E, H = 44Km., M = 5. KASHMIR-TIBET BOR REG.						
		PNS	PKP	20 58 06.0	C	1.8	50	
			eL	21 47				
		LPB	ePKP	20 58 06		1.0	26	145.
			eL	21 47.5				
FEB	11	PNS	iP	21 20 25.4	D			
			S	20 48				
		LPB	P	21 20 27.2		0.8	21	
			S	20 52.8				
		CCH	P	21 20 45				
FEB	11	LPB	eP	21 52 44				
			e	52 09				
		PNS	eP	21 52 44				
			i	53 10.6				
		CCH	eP	21 53 02.5				
FEB	11	LPB	eP	21 57 46				
		PNS	eP	21 57 47				
		CCH	eP	21 57 32.2				
FEB	11	PNS	iP	22 44 09.4	D			
			iS	44 32				
		LPB	eP	22 44 16.2		0.5	11	
			S	44 37				
FEB	11	PNS	P	23 02 42.4		0.5	3	
			S	03 03.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	12	USCGS 01 26 27.8, 6.5S, 108.5E, H = 180Km., M = 5.6, JAVA						
		LPB	ePKP	01 45 57.5				156.5
		PNS	ePKP	01 45 57.6				
FEB	12	USCGS 02 12 25.1, 32.9N, 116.3W, H = 33Km., M = 4.5, CALIFORNIA MEXICO BOR REG						
		LPB	eP	02 23 20				67.0
FEB	12	PNS	P	02 55 21.4		0.4	2	
			S	55 44.2				
FEB	12	CCH	eP	03 08 55.5				
		LPB	eP	03 08 59.8		0.8	9	
			eL	39				
		PNS	eP	03 09 00.4		1.0	6	
			eL	39.2				
FEB	12	CCH	eP	03 53 57.5				
		LPB	P	03 54 08.6		0.7	13	
		PNS	P	03 54 12.0				
FEB	12	CCH	eP	04 28 23				
		LPB	P	04 28 31.2				
			eL	39				
		PNS	eP	04 28 32		1.0	7	
			eL	39.6				
FEB	12	PNS	P	04 53 52.1		0.8	6	
			S	54 42.6				
		LPB	eP	04 53 57.2		1.0	12	
FEB	12	USCGS 05 44 47.6, 5.5S, 153.2E, H = 74Km., NEW IRELAND REG.						
		PNS	P	06 01 13.8				
			ePKP	03 43.3				
			pPKP	04 43.3				
			iPKS	07 27.4				
			SS	24 20				
			G	38.7				
			L	46.3				
		LPB	P	06 01 14				133.1
			ePKP	03 48				
			pPKP	04 01.9				
			ePP	07 00				
			iPKS	07 28.2				
			ePS	16 58				
			SS	24 48				
			G	41				
			L	48.2				
		CCH	ePKP	06 03 43.5				
			i	03 01				
		RTA	ePKP	06 03 56.2				
			i	04 09.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	12	USCGS 06 15 11.2, 113.0E, 9.2S, H = 33Km., M = 5.0, S OF JAVA						
		PNS	ePKP	06 35 06.8				154.3
		LPB	ePKP	06 35 07				
		CCH	ePKP	06 35 59.4				
FEB	12	PNS	eP	06 48 26				
			e	49 10.7				
		LPB	P	06 48 26.7		0.8	7	
			e	49 13				
FEB	12	PNS	eP	07 18 24.5		0.9	5	
FEB	12	PNS	P	08 12 51.8				
FEB	12	PNS	iP	09 19 54.2	C	0.6	7	
			S	20 27.7				
		LPB	eP	09 19 56				
FEB	12	LPB	P	10 02 52.2				
			S	03 10.2				
		PNS	eP	10 02 54.2				
FEB	12	USCGS 10 18 51.9, 38.1N, 17.8E, H = 15Km., M = 53, S ITALIA						
		CCH	eP	10 32 14.6				97.1
		LPB	eP	10 32 22				
		PNS	P	10 32 23.6				
FEB	12	PNS	eP	10 43 27.6				
			S	43 50.4				
		LPB	eP	10 43 28.5				
FEB	12	USCGS 11 42 07.7, 20.9S, 69.0W, H = 100Km., M = 4. N CHILE						
		CCH	P	11 43 10.9	D			4.5
		LPB	iP	11 43 15.5	C			
			iS	44 06				
		PNS	iP	11 43 17.4	C			
			S	44 08				
FEB	12	LPB	eP	13 43 25				
		PNS	eP	13 43 28.6				
FEB	12	USCGS 14 33 22.2, 5.8S, 151.0E, H = 73Km., M = 4. NEW BRITAIN REG						
		LPB	eL	15 37.3				135.
		PNS	ePKP	14 52 43.6				
FEB	12	PNS	P	16 27 24.6		0.5	9	
			S	28 00				
FEB	12	PNS	eP	18 30 56				

TH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	12	PNS	P	19 44 13.0		0.5	3	
			S	44 41				
	12	USCGS 20 47 07.5, 11.4N, 125.2E, H = 7.8Km., M = 5.1, SAMAR, PHILIPPINE IS.						
		LPB	ePKP	21 07 05				165.9
			eL	22 05				
		PNS	ePKP	21 07 05.5				
	12	USCGS 22 17 36.0, 22.9N, 95.4E, H = 23Km., M = 4.7, BURMA						
		LPB	ePKP	22 37 40				163.7
			eL	23 35				
	13	USCGS 02 12 31.5, 5.5S, 131.1E, H = 67Km., M = 5.8, BANDA SEA.						
		LPB	PKP	02 32 15.3		1.1	27	150.2
			i	32 21.2				
			eL	03 24				
		PNS	PKP	02 32 15.5	D	1.5	37	
			i	32 21.4				
		CCH	PKP	02 32 18.3	C			
	13	LPB	eP	03 03 39				
		PNS	eP	03 03 39.1				
	13	LPB	eP	03 47 20				
	13	PNS	iP	06 01 46.6	D	0.4	6	
			S	02 09.3				
	13	LPB	eP	06 05 38.2		0.9	22	
			e	05 24.5				
	13	USCGS 07 56 43.4, 31.4S, 69.7W, H = 115Km., M = 4.8, SAN JUAN PROV. ARGENTINA.						
		CCH	P	07 59 59.0				
		LPB	eP	08 00 07				15.7
			i	00 11				
			eL	04.4				
		PNS	eP	08 00 10.7		0.7	4	
			i	00 14.5				
			S	03 09				
			eL	04.2				
		RTA	eP	08 01 15.5				
	13	PNS	P	08 58 00.6		0.4	3	
			eS	59 27				
	13	CCH	eP	09 40 38.2				
		LPB	eP	09 40 53				
		PNS	P	09 40 56.8		0.8	10	
			eS	42 01.4				
	13	LPB	P	10 20 35.5				
			S	20 20.6				
		PNS	eP	10 20 39				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	13	USCGS 11 21 22.5, 5.5S, 152.7E, H = 51Km., M = 4.						
		NEW BRITAIN REG.						
		LPB	ePKP	11 40 10.5				
			ePKS	44 09				
			eL	12 24				
		PNS	ePKP	11 40 41.6				
			ePKS	44 10				
FEB	13	USCGS 12 38 16.5, 28.5S, 68.8W, H = 75Km., M = 4.						
		LA RIOJA PROV. ARGENTINA.						
		LPB	eP	12 41 08.7		0.8	6	
		PNS	P	12 41 11.8				
FEB	13	PNS	P	14 02 34.6	D	0.6	4	
			S	05 56.9				
FEB	13	USCGS 14 06 20.3, 5.5S, 153.0E, H = 54Km., M = 5						
		NEW IRELAND REG.						
		PNS	ePKP	14 25 35.2		1.3	17	
			PKS	29 03.6				
			eL	15 08.9				
		LPB	ePKS	14 29 52				
			eL	15 08.7				
FEB	13	PNS	P	16 40 06.4		0.6	5	
			S	19 42				
FEB	13	PNS	eP	17 22 01				
FEB	13	PNS	eP	19 11 58.2		0.6	2	
FEB	13	PNS	P	23 32 37.0		1.2	11	
			i	33 02				
		LPB	eP	23 32 39.8				
FEB	13	PNS	iP	23 43 28.7	D			
			S	43 55				
		LPB	iP	23 43 20.4	D	0.5	8	
			S	45 57				
		CCH	eP	23 43 42.6				
FEB	14	PNS	eP	00 47 40.4				
		LPB	eP	00 47 44.7				
FEB	14	LPB	eP	02 02 06		0.9	27	
FEB	14	CCH	ePP	02 59 16.5		0.9	27	
		LPB	eP	02 59 32				
			e	59 51.8				
			S	03 00 50				
		PNS	P	02 59 36.2				
			S	03 00 58				
FEB	14	LPB	eP	04 01 04.5		0.6	5	
		PNS	P	04 01 08.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	14	USCGS 03 34 49.9, 77.8E, 37.2S, H = 33Km.,						
		MID-INDIAN RISE						
		LPB	ePKP	04 02 40				117.4
			eL		39			
		PNS	eL	04 39.1				
FEB	14	PNS	eP	04 11 34.2				
		LPB	P	04 11 35.7				
FEB	14	USCGS 04 09 43.3, 43.3N, 147.6E, H = 33Km., M = 4.5,						
		KURILE IS.						
		LPB	ePKP	04 29 10				139.9
		PNS	ePKP	04 29 11.3				
			eL	05 15.7				
FEB	14	PNS	eP	07 37 25				
			e	38 00				
		LPB	eP	07 37 37.7		0.9	10	
FEB	14	PNS	eP	07 46 50				
		LPB	eL	08 18.7				
FEB	14	LPB	eP	08 10 20.5				
		PNS	eP	08 10 27.4		1.0	7	
FEB	14	PNS	P	08 12 24.9		0.6	2	
			i	12 40.4				
			S	14 38.8				
		CCU	eP	08 12 27.7				
		LPB	eP	08 12 28				
FEB	14	LPB	eP	08 35 48.5		0.8	7	
FEB	14	LPB	eP	09 51 09				
		PNS	eP	09 51 12.8				
FEB	14	PNS	iP	10 22 05.9	D			
			iS	22 22				
FEB	14	USCGS 11 32 03.1, 37.2S, 78.0E, H = 33Km., M = 5.4,						
		MID INDIAN RISE						
		PNS	ePKP	11 50 52.8				
		LPB	ePKP	11 50 53				117.8
			eL	12 28				
FEB	14	LPB	eP	14 57 26				
			e(S)	58 18.2				
FEB	14	PNS	P	16 05 11.8	C	0.8	5	
FEB	14	CCH	P	16 33 40.5				
		LPB	iP	16 33 51.7	C	0.7	9	
			S	34 54				
		PNS	iP	16 33 54.8	C			
			S	34 58.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	14	LPB	eP	17 58 21				
		PNS	eP	17 58 38				
FEB	14	LPB	P	22 13 01.2				
		PNS	P	22 13 02.5		0.9	7	
FEB	14	USCGS 23 20 39.2, 18.4S, 69.3W, H = 139Km., M = N CHILE						
		LPB	iP	23 21 18.7	D	0.8	263	2.
			eS	21 49.5				
		PNS	iP	23 21 20.0	D			
			S	21 52				
		CCH	P	23 21 30.1	D			
FEB	14	PNS	eP	23 51 40.6				
FEB	15	LPB	eP	00 11 03				
		PNS	P	00 11 04.1		0.5	5	
FEB	15	LPB	eP	01 47 23				
		PNS	P	01 47 27.6		0.6	3	
FEB	15	USCGS 02 42 47.3, 52.2N, 171.4W, H = 61Km., M = FOX IS ALEUTIAN IS.						
		PNS	ePKP	03 01 22.4				
		LPB	ePKP	03 01 25				111
			eL	36				
FEB	15	LPB	eP	03 19 13.7				
			S	20 33.5				
		CCH	eP	03 19 27.6				
		PNS	iP	03 19 41.8	C	0.4	5	
			S	20 40.6				
FEB	15	USCGS 05 53 40.6, 32.5S, 179.6W, H = 6Km., M = S OF KERMADIE IS.						
		PNS	ePKP	06 07 16.5				
			eL	39.7				
		LPB	ePKP	06 07 17				9
			eL	40				
FEB	15	LPB	eP	06 27 10.4				
			eS	27 38.2				
		PNS	P	06 27 10.6		0.4	2	
			iS	27 37.9				
FEB	15	LPB	eP	07 51 51.4				
FEB	15	LPB	eP	10 28 41.5				
		PNS	eP	10 28 43.9				
FEB	15	PNS	eP	12 49 32.5				
FEB	15	LPB	eP	13 36 42				
FEB	15	LPB	eP	15 19 28.9				
		PNS	P	15 19 32.5	D			
			S	20 32.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
EB	15	USCGS 15 45 02.0, 47.1N, 153.3E, H = 41Km., M = 5.0, KURILE IS						
		LPB	ePKP	16 04 23				134.5
			eL	48				
		PNS	ePKP	16 04 23.3				
			eL	48.5				
EB	15	PNS	P	16 38 53.1				
EB	15	USCGS 17 35 10.1, 20.9S, 68.2W, H = 143Km., M = 3.7, CHILE-BOLIVIA BOR REG.						
		CCH	P	17 36 10.8	C			
		LPB	iP	17 36 15.5	D			
		PNS	iP	17 36 19.1	D	0.7	7	4.5
			S	37 08				
EB	15	USCGS 18 24 21.9, 6.8S, 153.6E, H = 33Km., M = 4.8, NEW BRITAIN REG.						
		PNS	ePKP	18 43 37.9				
		LPB	ePKP	18 43 38				132.3
EB	15	USCGS 18 53 00.3, 4.4S, 155.1E, H = 516Km., M = 4.7, SALOMON IS.						
		PNS	ePKP	19 11 16.5				
		LPB	ePKP	19 11 18				132.1
			eL	56				
B	15	USCGS 22 52 54.2, 1.9S, 12.7W, H = 33Km., M = 5.1, N OF ASCENSION IS.						
		LPB	eP	23 02 33				56.1
			eL	20				
		PNS	eP	23 02 38.5				
B	16	LPB	eP	00 55 38.2				
			i	55 41.0				
			S	56 03.5				
		PNS	iP	00 55 39.0	D			
			S	56 05				
		CCH	eP	00 56 01.4				
	16	PNS	iP	01 06 05.6	D	0.3	4	
	16	USCGS 01 07 24, 9.2N, 126.4E, H = 48Km, M = 5.0, MINDANAO, PHILIPPINE IS.						
		LPB	ePKP	01 27 25				163.8
			eL	02 25				
		PNS	ePKP	01 27 25.9				
			eL	02 25.4				
	16	PNS	iP	01 58 59.7	D			
			S	59 21.5				
		LPB	P	01 59 06				
			S	59 26				

m

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	16	LPB	P	02 08 40.6		0.7	15	
		PNS	eP	02 08 44				
FEB	16	LPB	iP	03 47 50.7				
			i(S)	47 51.6				
FEB	16	PNS	eP	04 05 42.1		0.7	7	
		LPB	eP	04 05 42.2				
			i	05 46.6				
			eS	06 27.6				
		CCH	eP	04 06 07.7				
FEB	16	USCGS	05 37 54.2, 33.7N, 45.1E, H = 33Km..					
		TSINGHAI PROV. CHINA.						
		LPB	eL	06 52				
FEB	16	PNS	eP	06 28 52				
FEB	16	PNS	eP	07 01 43.6				
FEB	16	PNS	eP	07 15 47.8				
FEB	16	PNS	eP	07 22 55.6				
FEB	16	LPB	eP	10 18 56		0.8	6	
		PNS	eP	10 18 58				
FEB	16	PNS	P	12 06 39.3		0.8	6	
			i	06 46				
FEB	16	PNS	eP	14 29 19.3				
			S	30 01.0				
FEB	16	USCGS	14 23 42.6, 49.7N, 147.7E, H = 582Km..					
		SEA OF OKHOTSK						
		PNS	e(PKP)	14 41 48.2				
			iPKP	41 59.8				
			pPKP	44 36.1				
		LPB	ePKP	14 41 57.7				
FEB	16	CCH	eP	19 32 23.6				
		LPB	eP	19 32 30				
		PNS	eP	19 32 31				
FEB	16	PNS	iP	19 33 29.0	D	0.6	7	
			S	33 51				
FEB	16	USCGS	19 30 23.2, 1.9S, 12.4W, H = 16Km..					
		N OF ASCENSION IS.						
		LPB	eP	19 40 10.6		1.0	12	
			eL	57				
		PNS	eL	19 57.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	16	USCGS	20 37 08.9, 44.3N, 148.8E, H = 33Km., M = 4.6,					
		KURILE IS						
		PNS	ePKP	20 56 36.8				
		LPB	ePKP	20 56 37				138.7
FEB	16	PNS	iP	23 27 53.8	D	0.4	6	
			S	28 24.4				
FEB	17	LPB	eP	02 10 08				
		PNS	P	02 10 08.8				
			eS	11 28.5				
FEB	17	PNS	P	02 40 13.8				
			eS	40 37				
FEB	17	LPB	eP	02 42 07.5				
FEB	17	CCH	eP	03 18 14				
		LPB	eP	03 18 17.4				
		PNS	P	03 18 22.3				
FEB	17	CCH	P	03 21 19				
		LPB	P	03 21 21.4		0.9	25	
			S	22 52.8				
		PNS	iP	03 21 24.6	C	0.6	6	
			eS	22 53.8				
FEB	17	LPB	eP	04 55 41.7				
			e	56 38.2				
FEB	17	LPB	eP	05 48 14.2		0.9	7	
FEB	17	LPB	eP	06 01 22.5				
FEB	17	USCGS	08 50 28.8, 18.4N, 98.7W, H = 79Km., M = 4.2,					
		CENTRAL MEXICO						
		PNS	eP	08 58 42.8		1.0	7	
			pP	58 57.9				
		LPB	eP	08 58 50				47.3
			eL	09 13				
		CCH	eP	08 58 59.1				
FEB	17	LPB	iP	09 10 17.0	D	0.8	22	
			i	10 35.2				
			S	10 51.6				
		PNS	iP	09 10 17.9	D			
			S	10 51.8				
		CCH	P	09 10 27.5				
FEB	17	LPB	eP	11 15 25.7				
			iS	15 29				
FEB	17	PNS	P	14 34 19.2		0.6	3	
			S	35 47				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	17	LPB	eP	17 18 25.2				
		PNS	eP	17 18 52.1				
FEB	17	USCGS	17 13 51.8, 4.4S, 120.7E, H = 95Km., M = 5.1,					
		TALAUD IS.						
		LPB	ePKP	17 38 20.6				
			eLg	18 52.				
		PNS	ePKP	17 38 24.1		1.5	7	
			PKP2	40 05.1				
FEB	17	PNS	eP	17 51 53.2				
			S	53 30.2				
		LPB	eP	17 52 00				
FEB	17	USCGS	21 00 03.2, 20.2N, 108.1W, H = 33Km., M =					
		REVILLAGIGEDO ISLANDS REGION.						
		PNS	eP	21 00 53.6		1.3	9	
		LPB	eP	21 00 53.8				
FEB	17	USCGS	23 08 15.5, 18.0S, 69.5W, H = 128Km., M =					
		N CHILE.						
		LPB	iP	23 08 59.5	C	0.8	210	
			S	09 33.5				
		PNS	iP	23 09 01.3	C			
			S	09 34.2				
		CCH	eP	23 09 04.0				
		CCH	eP	23 36 03.4				
FEB	17	PNS	eP	23 36 14.2				
			iP	36 16.3				
			eL	54				
		PKS	eP	23 36 18.8		0.8	16	
			iP	36 39.7				
			L	54.6				
FEB	17	USCGS	01 10 34.2, 52.6S, 10.7E, H = 33Km., M =					
		SW OF AFRICA						
		PNS	eP	01 30 45.8				
			nP	30 56.5				
			S	40 22				
			L	55.6				
		LPB	eP	01 30 15				
			nP	30 54.2				
			eL	53				
FEB	18	CCH	eP	05 58 38.6				
		PNS	eP	05 58 [illegible]				
			eS	59 47.5				
FEB	18	USCGS	04 05 16.4, 6.1S, 149.0E, H = 63Km., M =					
		NEW BRITAIN REG.						
		LPB	ePKP	04 24 35.5				
			ePKS	28 06				
			eL	05 11				
		PNS	ePKP	04 24 36				
			nPKP	25 16				
			ePKS	28 04				
			eL	05 10.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	18	USCGS	05 16 46.8, 32.6S, 71.0W, H = 86Km., M = 4.4,					
		NR CST OF CENTRAL CHILE.						
		CCH	P	05 20 25.9				
		LPB	eP	05 20 30.6				15.7
			i(Pg)	20 37.7				
			iPP	20 49.5				
			eL	25				
		PNS	P	05 20 35.2				
			iPP	20 51.9				
			S	23 52				
			eL	25.6				
FEB	18	PNS	eP	06 08 01				
			S	08 28.2				
FEB	18	PNS	P	08 04 11.7				
			S	04 49				
FEB	18	USCGS	08 04 46.6, 24.4S, 70.4W, H = 31Km., M = 4.4,					
		NR CST OF N CHILE.						
		LPB	eP	08 06 45.2		0.8	7	8.1
			S	08 18				
		PNS	P	08 06 52.9		0.7	11	
			pP	07 04.7				
			eS	08 10				
			eL	08.9				
		CCH	eP	08 06 53.6				
FEB	18	PNS	eP	09 10 07				
		LPB	e(P)	09 10 08				
FEB	18	USCGS	09 29 26.1, 7.2S, 125.9E, H = 457Km., M = 5.3,					
		BANDA SEA.						
		PNS	PKP	09 48 25.6		1.0	11	
			i	48 33.7				
			PKP2	48 46.6				
			pPKP	50 35				
			SS	10 11 54				
			eL	41.1				
		LPB	PKP	09 48 26.0	C	1.0	30	152.5
			i	48 32.7				
			PKP2	48 42.6				
			eL	10 41				
		CCH	PKP	09 48 26.3				
FEB	18	LPB	iP	10 39 17.7	D	0.8	8	
			iS	39 43.5				
		PNS	iP	10 39 17.9	D			
			eS	39 44.4				
		CCH	P	10 39 31.8				
FEB	18	PNS	eP	10 44 46				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	18	USCGS 10 53 59.9, 16.3S, 71.9W, H = 31Km., M = 5 SOUTHER PERU						
		PNS	iP	10 54 58.1	C			
			eS	55 15				
			eL	56				
		LPB	iP	10 55 03.0	C	0.9	213	
			eS	55 28				
		CCH	iP	10 55 26.8				
		RTA	P	10 55 54.5				
FEB	18	LPB	eP	14 04 26.5				
			S	04 54.5				
		PNS	iP	14 04 27.3	D	0.5	12	
			iS	04 49.9				
FEB	18	LPB	eP	15 51 14				
FEB	18	LPB	eP	18 14 01.8				
			S	14 06.7				
FEB	18	LPB	eP	18 34 58				
FEB	18	PNS	P	20 02 52.4		1.0	16	
FEB	18	PNS	P	20 03 59.1		0.5	6	
			S	04 23.2				
FEB	18	USCGS 20 09 53, 13.8N, 145.4E, H = 100Km., M = IS MARIANA.						
		PNS	ePKP	20 29 24.9				
			eL	21 20.9				
		LPB	ePKP	20 29 25				
			eL	21 20				
FEB	18	USCGS 20 16 45.6, 6.8S, 153.7E, H = 41Km., M = NEW BRITAIN REG.						
		PNS	PKP	20 36 00				
FEB	18	LPB	eP	22 50 19				
		PNS	eP	22 50 33				
FEB	18	LPB	eP	23 46 05.7				
FEB	18	PNS	eP	23 54 01.7				
		LPB	eP	23 54 10.4				
FEB	19	LPB	iP	00 08 32.2	D	0.8	27	
			S	09 05.2		0.6	6	
		PNS	P	00 08 39.9				
			S	09 17				
FEB	19	LPB	eP	00 20 10.7				
FEB	19	LPB	eP	00 48 26.5				
FEB	19	LPB	eP	00 50 09				
		PNS	P	00 50 11.5		0.7	5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	19	LPB	eP	02 22 11.5				
			i	22 17.5				
FEB	19	LPB	eP	02 58 33.5				
			S	58 47				
FEB	19	PNS	eP	05 05 21				
			S	07 28.8				
		LPB	eP	05 05 35.4				
			eS	07 41				
FEB	19	PNS	P	06 38 38.4	D			
FEB	19	PNS	iP	06 47 20.1				
			S	47 44				
		LPB	eP	06 47 25.5				
FEB	19	LPB	eP	07 04 28.7				
FEB	19	PNS	P	08 05 14.6	C	0.5	2	
			S	05 38.6				
		LPB	eP	08 05 29.5				
FEB	19	LPB	eP	08 10 10.5				
		PNS	P	08 10 14.1		0.5	2	
FEB	19	LPB	eP	08 29 06.7		0.8	15	
FEB	19	PNS	P	08 49 43.6		0.4	2	
			S	50 11.5				
FEB	19	PNS	eP	08 58 09.4		0.8	9	
			eS	59 05.4				
FEB	19	PNS	eP	09 47 25.6				
FEB	19	USCGS 09 50 07.2, 22.8S, 176.5W, H = 46Km., M = 4.7, S OF FIJI IS.						
		LPB	eL	10 37.5				99.6
		PNS	eP	10 03 45.4				
FEB	19	LPB	eP	11 45 19				
		PNS	P	11 45 21.6		0.4	5	
			eS	46 48				
FEB	19	USCGS 13 55 12.2, 5.5S, 153.1E, H = 73Km., M = 5.5, NEW IRELAND REG.						
		LPB	ePKP	14 14 26		1.8	224	133.1
			PKS	17 55.2				
			eL	58.4				
		PNS	PKP	14 14 26.2	C	1.6	128	
			iPKS	17 55.8				
			eSS	34 30				
			L	58.6				
FEB	19	PNS	eP	14 26 50				
		LPB	eP	14 26 52.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	19	LPB	eP	14 32 09		0.9	17	
		PNS	eP	14 32 12.8				
			eS	33 21				
FEB	19	LPB	eP	15 07 46.5				
FEB	19	PNS	P	16 38 27.5		0.6	3	
FEB	19	LPB	eP	17 37 21				
		PNS	P	17 37 25.6		0.5	2	
			e	37 43.3				
FEB	19	USCGS 18 03 10.4, 43.6N, 127.4W, H = 33Km., M = OFF CST OF OREGON						
		LPB	eP	18 15 23				
			eL	41				
FEB	19	LPB	eP	20 09 54				
		PNS	iP	20 10 00.1	D			
			S	10 24.7				
FEB	19	PNS	P	20 28 37.6		1.0	4	
			eL	40.7				
		LPB	eP	20 28 38				
			eL	41				
FEB	19	PNS	eP	20 56 05				
FEB	19	USCGS 22 45 41.2, 39.4N, 25.0E, H = 7Km., ALGEAN SEA						
		LPB	P	22 59 39				
			(pP)	59 48.3				
			pP	04 00				
			SKS	10 19				
			SS	18 48				
			G	29				
			L	35.5				
		PNS	eP	22 59 41.4				
			iPP	23 04 02				
			SKS	10 25				
			PS	13 15				
			SS	18 52				
			L	35.6				
FEB	19	LPB	eP	23 38 55.5				
		PNS	P	23 38 56.6		0.6	3	
FEB	20	USCGS 00 30 17.8, 6.8S, 130.1E, H = 73Km., M = BANDA SEA						
		LPB	PKP	00 50 05.4	C	1.2	46	
			e(PKP2)	50 13				
		PNS	PKP	00 50 05.5	C	1.2	33	
FEB	20	USCGS 00 39 14.8, 39.7N, 25.2E, H = 33Km., M = AEGEAM SEA						
		LPB	eP	00 53 08				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	20	USCGS 02 19 49.6, 12.4N, 46.9W, H = 13Km., M = 5.6, NORTH ATLANTIC RIDGE						
		LPB	iP	02 26 50.5	D	1.1	29	36.6
			i	26 53.3				
		PNS	iP	02 26 50.6	D			
	20	LPB	eP	02 33 04.9		1.0	26	
			S	34 11.5				
	20	USCGS 02 21 53.0, 39.6N, 25.4E, H = 13Km., M = 5.0, ALGEAN SEA						
		LPB	eP	02 35 49				103.0
	20	PNS	eP	04 22 35.8				
	20	USCGS 05 06 11.9, 58.4N, 151.7W, H = 34Km., M = 4.9, KODIAK IS REG.						
		LPB	eL	05 54				100.5
	20	PNS	eP	06 06 12.4				
		LPB	eP	06 06 15				
	20	PNS	eP	06 11 42.9				
	20	LPB	eP	06 17 49.5				
		PNS	P	06 17 56.6		0.6	5	
			eS	19 22				
	20	USCGS 07 39 13.4, 23.1S, 70.8W, H = 24Km., M = 4.4, NR CST OF N CHILE.						
		LPB	P	07 40 57.7	C	0.7	42	6.8
			pP	41 06.8				
			S	42 09.5				
		PNS	P	07 40 59.5		0.4	6	
			eS	42 02				
			eL	42.6				
	20	USCGS 07 41 46.6, 28.7S, 71.2W, H = 42Km., M = 4.0, NR CST OF CENTRAL CHILE.						
		LPB	eP	07 44 43				12.6
	20	PNS	eP	08 44 36				
			e	45 26.3				
		LPB	eP	08 44 41				
	20	LPB	eP	09 18 31.3		0.8	9	
	20	LPB	eP	09 44 06.6		1.0	16	
	20	USCGS 09 41 09.6, 39.4N, 24.9E, H = 33Km., M = 4.7, ALGEAN SEA						
		LPB	eL	10 30				102.6
	20	PNS	eP	10 08 36.1				
		LPB	eP	10 08 37.6		0.7	10	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	20	PNS	eP	11 27 35.5				
			e	27 52.7				
		LPB	P	11 27 53				
		PNS	P	12 18 07.9		0.9	6	
FEB	20	LPB	eP	12 18 09.3				
				12 34 48.4		0.9	15	
FEB	20	USCGS	15 10 30.3, 11.2S, 115.4E, H = 33Km., M =					
		S OF BALI IS.						
		LPB	ePKP	15 30 27.6		1.2	40	
		PNS	PKP	15 30 28.8				
FEB	20	PNS	iP	15 51 04.0	C			
			S	51 59.7				
		LPB	eP	15 51 09.4				
FEB	20	LPB	eP	16 39 11.5				
		PNS	P	16 39 18.7				
FEB	20	USCGS	16 50 43.3, 36.2N, 27.5E, H = 53Km., M =					
		DODECANESE IS						
		LPB	eL	17 40				
FEB	20	PNS	P	17 29 51.4		0.5	7	
			S	30 20.6				
FEB	20	USCGS	17 30 34.5, 41.2N, 142.6E, H = 36Km., M					
		HOKKAIDO, JAPAN REG.						
		PNS	ePKP	17 50 04.5				
		LPB	ePKP	17 50 08				
			eL	18 39				
FEB	20	PNS	P	18 53 02.9		0.4	3	
			S	53 43.5				
		LPB	eP	18 53 08				
FEB	20	PNS	P	20 14 25.3		0.5	4	
			S	14 50.2				
FEB	20	USCGS	21 38 29.2, 27.8S, 66.4W, H = 157Km., M					
		CATAMARCA PROV. ARGENTINA.						
		LPB	iP	21 41 09.2	C	0.8	255	
			iS	45 12				
			eL	44.6				
		PNS	iP	21 41 12.7	C			
			S	43 18				
			L	44				
FEB	20	LPB	eP	22 40 24.7		1.0	28	
		PNS	P	22 40 28.8		1.0	17	
			S	41 26.2				
FEB	20	PNS	P	23 48 00.5		1.3	20	
		LPB	P	23 48 02.7		1.1	325	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	21	USCGS	23 51 43.0, 32.0N, 130.8E, H = 33Km., M = 4.9,					
		KYUSHU, JAPAN.						
		LPB	ePKP	00 11 35				156.9
			eSS	35 30				
			eL	01 06				
		PNS	ePKP	00 11 36.5				
			eSS	35 27				
			eL	01 06.4				
FEB	21	LPB	eP	01 33 47.2		0.9	10	
FEB	21	LPB	eP	01 54 33.8		1.0	20	
FEB	21	USCGS	01 44 50.5, 32.0N, 130.6E, H = 3 Km., M = 5.0,					
		KYUSHU, JAPAN						
		PNS	ePKP	02 04 52.3		1.1	11	
			eL	03 00				
		LPB	ePKP	02 04 52.6				156.8
			ePKP2	05 16.4				
			eL	03 00				
FEB	21	LPB	eP	02 11 08				
FEB	21	LPB	eP	04 18 50.5				
FEB	21	PNS	eP	04 33 28				
		LPB	eP	04 33 31				
FEB	21	LPB	eP	04 42 18				
		PNS	P	04 42 21.8		0.9	7	
FEB	21	LPB	P	05 24 43.2	D	1.1	25	
FEB	21	PNS	eP	05 33 06.9				
		LPB	eP	05 33 09.5		1.0	18	
FEB	21	PNS	eP	05 45 11				
		LPB	eP	05 45 12				
FEB	21	LPB	eP	06 14 10.5		1.1	2	
FEB	21	LPB	eP	06 37 29.3				
			S	38 12.2				
		PNS	P	06 37 34	C	0.9	7	
			eS	38 19.6				
FEB	21	LPB	eP	07 57 32.3				
FEB	21 22	PNS	P	09 15 56.1		0.6	4	
			S	16 37.2				
FEB	21 22	USCGS	08 57 49.1, 4.0S, 128.5E, H = 118Km., M = 5.2,					
		BANDA SEA						
		LPB	ePKP	09 17 42		1.3	23	153.6
			pPKP	17 50.7				
			eL	10 10.5				
		PNS	ePKP	09 17 43.4		1.3	9	
			pPKP	17 51.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	21	PNS	iP	09 24 49.6	D			
			S	25 12.2				
		LPB	P	09 24 50.6		0.8	54	
			iS	25 14.5				
FEB	21	LPB	P	09 29 37.8		1.0	20	
		PNS	P	09 29 40.2		0.7	7	
FEB	21	PNS	P	09 45 12.5		0.6	4	
			S	45 47.3				
FEB	21	LPB	P	09 47 23.3		1.0	26	
		PNS	P	09 47 27.7		0.5	4	
			S	48 31.5				
FEB	21	USCGS 10 27 06.4, 28.0S, 66.3W, H = 139Km., M = 4. CATAMARCA PROV. ARGENTINA.						
		LPB	eP	10 29 47				
			pP	29 59.3				
			eS	31 52.6				
		PNS	P	10 29 52.2		0.9	14	
			eS	31 54.4				
FEB	21	LPB	eP	10 49 39.5				
			eS	50 17.4				
		PNS	iP	10 49 48.4	C	0.4	6	
			S	50 18				
FEB	21	USCGS 10 46 00.6, 7.0S, 127.4E, H = 292Km., M = BANDA SEA						
		PNS	ePKP	11 05 14.5		1.0	9	
		LPB	ePKP	11 05 15				
			eL	58				
FEB	21	PNS	eP	11 14 00				
FEB	21	PNS	eP	11 27 24				
FEB	21	PNS	eP	11 29 04				
		LPB	eP	11 29 13				
FEB	21	LPB	eP	12 43 42.5				
FEB	21	USCGS 12 34 42.7, 7.0N, 126.8E, H = 39Km., M = MINDANAO. PHILIPPINE IS.						
		LPB	ePKP	12 54 42.3				
			eL	13 47				
		PNS	PKP	12 54 44.4		1.4	22	
			pPKP	54 57.4				
FEB	21	LPB	iP	13 25 19.7		0.7	62	
		PNS	iP	13 25 20.0	D			
			S	25 44.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
	21	PNS	P	15 41 11.3	C	1.6	60	
		LPB	P	15 41 13.7	C	0.8	96	
	21	LPB	eP	16 43 19.5				
		PNS	P	16 43 20.0	C	0.6	6	
			eS	43 58				
	21	LPB	eP	17 44 11.5				
		PNS	eP	17 44 13				
			i	44 33.7				
	21	LPB	eP	18 18 03				
			S	18 38.2				
		PNS	P	18 18 08.3		0.5	3	
			S	18 50				
	21	PNS	eP	18 34 41.4				
	21	LPB	eP	18 53 20				
		PNS	eP	18 53 33.7				
			S	54 15				
	21	LPB	P	19 12 41.7		0.9	34	
		PNS	eP	19 12 47				
	21	USCGS 19 08 39.3, 51.4N, 176.1W, H = 49Km., M = 4.7, ANDREAN OF IS ALEUTIAN IS.						
		PNS	ePKP	19 26 26.6				
		LPB	ePKP	19 26 28.5				113.9
	21	USCGS 19 32 32.2, 51.7N, 175.9W, H = 54Km., M = 4.8, ANDREAN OF IS ALEUTIAN IS.						
		LPB	eL	20 27				113.9
	21	USCGS 21 05 53.8, 20.4S, 177.9W, H = 503Km., M = 5.5, W OF TONGA IS						
		LPB	eL	21 55				101.8
	21	USCGS 21 07 56.9, 51.4N, 176.0W, H = 47Km., M = 5.2, ANDREAN OF IS ALEUTIAN IS.						
		LPB	ePKP	21 26 24				113.9
			eL	22 02				
	21	PNS	eP	21 37 22.7				
	21	USCGS 23 20 53.2, 46.0S, 33.3E, H = 33Km., M = 5.1, PRINCE EDWARD IS REG.						
		LPB	eP	23 33 31.2		1.0	8	85.5
			eSKS	44 15				
			L	24 01				
		PNS	P	23 33 36.8		0.9	11	
			SKS	44 25				
			SS	49 40				
			L	00 01.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	21	USCGS 23 32 36.9, 38.1N, 86.9E, H = 28Km., M = 4.9, S SINKIANG PROV. CHINA.						
		LPB	eL	00 44.3				
FEB	22	PNS	eP	00 33 26				
		LPB	eP	00 33 26.7				
FEB	22	LPB	P	00 39 21.4		1.0	14	
			eS	41 43				
		PNS	eP	00 39 22.4				
			eS	41 54.4				
FEB	22	LPB	eP	01 15 35.7				
		PNS	eP	01 15 35.8				
			eS	16 16				
FEB	22	LPB	eP	01 30 07				
		PNS	eP	01 30 09.2				
FEB	22	LPB	eP	01 38 28				
		PNS	eP	01 38 35.7				
FEB	22	LPB	eP	02 11 13.5				
			eL	49				
		PNS	eP	02 11 15.1		0.8	5	
			eL	49.3				
FEB	22	USCGS 02 01 46.1, 44.4S, 167.6E, H = 33Km., M = 4.9, SOUTH ISLAND, NEW ZEALAND.						
		PNS	eP	02 15 34.9				
			L	49.4				
		LPB	eP	02 15 35				
FEB	22	LPB	P	02 43 21.2		0.7	14	
FEB	22	LPB	eP	03 00 49				
		PNS	iP	03 00 50.5	C			
			S	01 14.4				
FEB	22	LPB	eP	03 04 44.5				
FEB	22	LPB	eP	04 13 21		1.1		
		PNS	eP	04 13 25				
FEB	22	LPB	P	06 04 11.3				
		PNS	eP	06 04 15.6				
			e(S)	07 18.6				
FEB	22	PNS	eP	06 14 33.6		0.5	2	
FEB	22	LPB	eP	09 08 28		0.9	28	
FEB	22	PNS	P	09 15 38.8		0.4	1	
FEB	22	USCGS 09 13 47.8, 21.8S, 179.7E, H = 566Km., S OF FIJI IS.						
		PNS	eP	09 27 27				
		LPB	eP	09 26 35				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
EB	22	USCGS 10 19 07.6, 32.0N, 130.7E, H = 11Km., M = 4.9, KYUSHU. JAPAN.						
		PNS	ePKP	10 39 01.2				
			eL	11 34.4				
		LPB	ePKP	10 39 04.5				156.9
			eL	11 34				
EB	22	LPB	eP	10 48 24				
		PNS	eP	10 48 33.5				
EB	22	LPB	eP	11 06 28				
EB	22	LPB	eP	11 55 41.5				
EB	22	LPB	eP	13 36 23				
			S	36 53.2				
		PNS	P	13 36 24.9	C	0.4	2	
			S	36 54.2				
EB	22	USCGS 14 06 46.0, 11.9S, 165.1E, H = 13KM., M = 4.6, SANTA CRUZ IS.						
		LPB	eL	15 03				119.9
EB	22	PNS	P	14 52 43.8	C	0.6	5	
			S	53 08.2				
EB	22	LPB	eP	14 59 51.2				
		PNS	P	14 59 52.4		0.6	3	
			i	15 00 44.1				
EB	22	USCGS 17 33 58.2, 42.4S, 75.4W, H = Km., M = 4.7, OFF CST OF S CHILE						
		PNS	eP	17 39 36.4		1.2	8	
		LPB	eP	17 39 36.6				26.3
			eL	47				
EB	22	USCGS 17 46 57.4, 51.4N, 176.3W, H = 49Km., M = 5.1, ANDREAN IS ALEUTIAN IS.						
		LPB	eL	18 41				113.9
B	22	PNS	eP	18 16 23		1.2	10	
		LPB	eP	18 16 24				
B	22	PNS	eP	19 30 26				
			eL	20 02.2				
		LPB	e(P)	19 30 27				
			eL	20 02				
B	22	PNS	P	20 12 06.0	C	0.5	9	
			S	12 28				
B	22	LPB	eP	22 59 29.5				
		PNS	iP	22 59 35.4		0.5	8	
B	23	PNS	eP	00 13 36.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	23	USCGS 00 10 39.5, 51.5N, 176.3W, H = 65Km., M = ANDREAN IS ALEUTIAN IS.						
		PNS	ePKP	00 29 25.6				
			eL	01 06.1				
		LPB	ePKP	00 29 26				
			eL	01 06				
FEB	23	LPB	eP	00 54 16.2				
		PNS	eP	00 54 22.7				
FEB	23	LPB	eP	01 07 33				
		PNS	eP	01 07 35				
FEB	23	USCGS 02 13 24.5, 22.2S, 170.2E, H = 20Km., M = LOYALTY IS REG.						
		LPB	eL	03 06.5				
FEB	23	PNS	iP	02 40 04.6	D			
			iS	40 26.4				
		RTA	eP	02 41 07.0				
FEB	23	LPB	eP	04 25 52.2		1.0	18	
		PNS	eP	04 26 01.4		1.0	4	
FEB	23	USCGS 05 41 05.7, 2.4N, 98.6E, H = 39Km., M = N SUMATRA						
		LPB	eL	06 55				
FEB	23	PNS	P	06 30 12.4		0.5	5	
			eS	30 35				
FEB	23	LPB	P	06 52 20.2		0.9	12	
FEB	23	PNS	eP	07 00 50.4				
			S	01 24.8				
		LPB	eP	07 00 56				
FEB	23	LPB	P	07 43 06.2				
FEB	23	LPB	P	07 49 14		0.9	8	
FEB	23	PNS	P	08 52 07.8		0.7	4	
			S	52 59				
		LPB	iP	08 52 09.2		0.8	46	
			S	52 52.6				
FEB	23	LPB	P	09 14 30.7		0.9	13	
			eL	23				
		PNS	eP	09 14 31.2		0.5	2	
FEB	23	PNS	P	09 18 20				
FEB	23	USCGS 09 32 26.1, 51.5N, 176.3W, H = 49Km., ANDREAN IS ALEUTIAN IS.						
		PNS	ePKP	09 51 08.2				
			eL	10 26.1				
		LPB	e(L)	10 27				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	23	USCGS 10 21 03.2, 25.4S, 70.2W, H = 54Km., M = 4.3, NR CST OF N CHILE.						
		LPB	eP	10 23 13				9.1
		PNS	iP	10 23 17.8	C	0.7	13	
			pP	23 44.2				
FEB	23	LPB	eP	10 37 01.7		0.8	16	
FEB	23	USCGS 11 01 00.3, 145.3E, H = 620Km., M = 4.8, MARIANA IS						
		LPB	PKP	11 19 36.5		1.0	20	146.7
			PKP2	22 02.2				
			pPKP	22 02.2				
			eL	12 09				
		PNS	PKP	11 19 37.2		1.0	9	
			pPKP	22 02.4				
FEB	23	LPB	P	11 29 12.6				
		PNS	iP	11 29 17.9		0.5	6	
FEB	23	PNS	eP	11 52 27.8				
			eS	53 51.4				
FEB	23	LPB	eP	12 30 49		0.9	28	
		PNS	P	12 30 52.6		0.8	15	
FEB	23	USCGS 14 08 54.3, 9.6S, 120.6E, H = 33Km., SUMBA ISLAND REGION.						
		PNS	ePKP	14 28 44				
			pPKP	29 03				
FEB	23	USCGS 14 23 03.3, 6.1S, 38.4W, H = 33Km., M = 4.5, BRAZIL.						
		LPB	e(P)	14 29 16				30.7
			e	35 47.5				
			L	41.2				
		PNS	eP	14 29 23.4				
			L	42.3				
FEB	23	USCGS 16 14 40.8, 6.1S, 130.5E, H = 119Km., M = 5.1, BANDA SEA						
		LPB	ePKP	16 34 23.5		0.9	23	150.6
			i	35 06.7				
		PNS	PKP	16 34 23.9		0.7	14	
			i	35 07.3				
FEB	23	PNS	P	16 36 28.1	C	0.5	6	
			eS	37 01.2				
FEB	23	PNS	eP	16 38 32.1				
		LPB	eP	16 38 35.5				
FEB	23	PNS	P	18 28 27.5	D	0.6	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	23	LPB	e(P)	18 31 05.5				
		PNS	eP	18 31 12.7		0.9	7	
			S	32 32.5				
FEB	23	PNS	eP	19 52 43.8				
			i	53 43.7				
		LPB	eP	19 52 44				
FEB	23	PNS	eP	20 11 28				
FEB	23	LPB	eP	23 42 41				
FEB	24	LPB	eP	00 50 26.7				
FEB	24	PNS	eP	00 51 26.4				
			eS	51 57				
FEB	24	USCGS 01 11 11.6, 32.5S, 177.7W, H = 21Km., M = S OF KERMADIE IS.						
		LPB	eP	01 24 44.5		1.6	45	
			SKS	35 26				
			L	57				
		PNS	P	01 24 45		1.5	23	
			SKS	35 25				
			PS	37 37				
			L	56.5				
FEB	24	PNS	eP	02 09 22.5		0.8	4	
FEB	24	PTA	eP	02 59 51.5				
		LPB	P	03 00 22.6				
			S	00 55.6				
		PNS	eP	03 00 27.6				
			S	01 06				
FEB	24	PNS	P	03 59 23.1	D	0.4	2.5	
		LPB	eP	03 59 26				
		RTA	eP	04 01 04.0				
FEB	24	LPB	eP	04 53 52				
		PNS	P	04 53 55		1.0	9	
FEB	24	LPB	eP	05 04 21				
FEB	24	LPB	eP	05 33 06.7		0.8	13	
FEB	24	PNS	iP	05 43 19.3	D			
			S	43 42.6				
		LPB	eP	05 43 20.2		1.0	12	
			S	43 45.8				
FEB	24	PNS	iP	06 50 07.3	D	0.6	14	
			S	50 30				
		LPB	eP	06 50 11.5				
			eS	50 31				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	24	PNS	iP	07 32 16.6	C			
			iS	32 56				
		LPB	iP	07 32 23.5	C	0.8	374	2.7
			S	32 41				
		RTA	iP	07 33 08.0				
			i	33 24.5				
FEB	24	PNS	eP	07 57 07.5				
		LPB	eP	07 57 12				
FEB	24	PNS	P	07 59 25.5		0.9	7	
		LPB	eP	07 59 31.8				
FEB	24	LPB	eP	09 40 14.3				
			S	40 44.4				
		PNS	P	09 40 22.7		0.6	14	
			S	40 54				
FEB	24	USCGS 10 34 44.7, 19.3S, 175.0W, H = 37Km., M = 4.7, TONGA IS						
		LPB	eL	11 22				99.4
FEB	24	PNS	eP	12 13 48				
			e(S)	14 42				
		LPB	eP	12 13 54.2		0.9	10	
FEB	24	PNS	P	13 18 41.5		0.9	10	
FEB	24	USCGS 15 24 29.8, 34.2N, 139.2E, H = 7Km., M = 5.1, NR S CST OF HOUSHU, JAPAN.						
		PNS	PKP	15 44 20.2		1.4	22	
		LPB	PKP	15 44 23.3		1.2	62	149.9
			eL	16 35.7				
FEB	24	PNS	eP	15 53 23.2		1.0	4	
FEB	24	USCGS 15 34 22.3, 34.1N, 139.2E, H = 33Km., M = 5.3, NR S CST OF HOUSHU, JAPAN.						
		PNS	PKP	15 54 07.0		1.5	20	
		LPB	PKP	15 54 13.7		1.3	64	149.9
			eL	16 45.5				
FEB	24	USCGS 16 01 36.8, 34.5N, 138.9E, H = 33Km., M = 5.0, NR S CST OF HOUSHU, JAPAN.						
		PNS	eP	16 21 22		1.0	5	
		LPB	ePKP	16 21 24.5		1.0	36	149.7
			eL	17 13				
FEB	24	LPB	eP	16 36 22.5				
		PNS	P	16 36 25.8		0.6	2	
FEB	24	USCGS 16 49 44.9, 34.2N, 139.2E, H = 4Km., M = 4.9, NR S CST OF HOUSHU, JAPAN.						
		LPB	ePKP	17 09 37		1.7	90	149.9
			eL	18 01				
		PNS	ePKP	17 09 37		1.6	51	
			eL	18 01.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	24	USCGS 16 51 36.5, 34.5N, 139.1E, H = 28Km., M = 14 NR S CST OF HOUSHU. JAPAN.						
		LPB	PKP	17 11 24				
		PNS	PKP	17 11 25				
FEB	24	PNS	eP	19 29 02		0.6	3	
			eS	31 42				
		LPB	eP	19 29 03.2				
FEB	24	PNS	eP	19 38 23.8				
			S	40 04				
		LPB	P	19 38 24.5				
FEB	24	PNS	eP	23 01 46				
FEB	24	PNS	iP	23 38 42.8	D			
			S	39 05.6				
		LPB	P	23 38 44.7	C	0.8	98	
FEB	25	LPB	eP	00 26 19				
		PNS	eP	00 26 28				
FEB	25	LPB	eP	04 09 41.5				
		PNS	eP	04 09 43				
FEB	25	USCGS 04 11 48.0, 22.3S, 175.5W, H = 33Km., M = SOLOMON IS REG.						
		LPB	eP	04 25 07				
			eL	59				
FEB	25	LPB	eP	04 50 27				
			i	50 45.5		0.7	4	
		PNS	eP	04 50 31.8				
			i	50 44.6				
			eS	51 29				
FEB	25	PNS	eP	04 53 37.6		0.6	4	
			eS	54 48				
FEB	25	PNS	iP	05 21 39.8	D	0.4	4	
			eS	22 02				
FEB	25	LPB	eP	06 56 19.2				
FEB	25	LPB	P	07 04 50.4				
FEB	25	LPB	P	07 11 17.2		0.4	32	
FEB	25	PNS	eP	10 19 54				
			eS	21 02				
		LPB	eP	10 19 56.5				
FEB	25	USCGS 10 25 58.1, 45.0N, 142.2E, H = 295Km., M HOKKAIDO. JAPAN REG.						
		LPB	eL	11 33				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	25	LPB	P	10 48 09		1.0	28	
		PNS	P	10 48 09.6		0.9	6	
FEB	25	PNS	P	11 50 33.7		0.6	2	
			eS	50 58				
FEB	25	USCGS 12 43 49.5, 4.0N, 95.8E, H = 33Km., M = 5.0, N SUMATRA.						
		LPB	ePKP	13 03 49				159.5
			eL	59				
		PNS	ePKP	13 03 49.2				
			PKP2	04 28				
FEB	25	PNS	eP	13 22 37.8				
FEB	25	LPB	eP	13 24 23				
		PNS	P	13 24 27.5		0.6	2	
FEB	25	PNS	P	14 50 16.4				
FEB	25	PNS	P	15 05 03.5		0.7	3	
FEB	25	USCGS 15 40 44.8, 36.8N, 5.6E, H = 20Km., M = 4.9, ALGERIA						
		LPB	P	15 53 28				87.1
		PNS	eP	15 53 30				
FEB	25	PNS	P	16 11 30.8		0.6	3	
			S	11 59.2				
FEB	25	LPB	eP	16 27 53.2				
		PNS	P	16 28 08		0.8	15	
			S	28 39.7				
FEB	25	PNS	eP	16 55 50				
FEB	25	USCGS 18 08 19.9, 51.4N, 176.0W, H = 50Km., M = 5.3, ANDREAN OF IS ALEUTIAN IS.						
		PNS	ePKP	18 27 00.7				
		LPB	ePKP	18 27 01				113.7
			eL	19 03				
FEB	25	PNS	iP	20 03 51.2	D	0.4	6	
			eS	04 12.2				
FEB	25	USCGS 20 00 31.5, 37.6N, 141.4E, H = 66Km., M = 5.5, NR E CST OF HOUSHU. JAPAN.						
		PNS	iPKP	20 20 06.6	C			
			eL	21 10.2				
		LPB	iPKP	20 20 07.8	C	1.1	16	146.7
			eL	21 10				
FEB	25	PNS	eP	20 38 36.4				
FEB	25	LPB	eP	20 51 42		0.9	14	
		PNS	P	20 51 51.4		0.6	4	
			S	52 23				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	25	PNS	eP	21 36 05.5				
			S	36 24.2				
FEB	25	LPB	e(P)	23 42 50.5				
		PNS	iP	23 43 03.9	D	0.4	7	
			S	43 36.7				
FEB	26	PNS	P	05 43 42.6				
FEB	26	PNS	P	05 53 24.6		0.5	8	
			S	54 36				
FEB	26	LPB	eP	08 54 51.5				
		PNS	P	08 54 55.1		0.6	7	
			S	55 21.4				
FEB	26	USCGS	09 28 54.1, 52.7N, 172.6E, H = 56Km., M =					
		NEAR IS ALEUTIAN IS.						
		LPB	ePKP	09 47 50				
			eL	10 26.5				
		PNS	ePKP	09 47 50.7				
			eL	10 26.4				
FEB	26	USCGS	10 39 06.2, 51.1N, 174.6E, H = 33Km., M =					
		NEAR IS ALEUTIAN IS.						
		PNS	ePKP	10 57 53.3				
FEB	26	PNS	eP	11 06 18.2		1.2	6	
FEB	26	USCGS	10 50 16.7, 22.7N, 121.5E, H = 24Km.,					
		TAIWAN REG.						
		LPB	PKP	11 10 25	C	1.8	550	
			pP	15 24				
			SS	36 26				
			G	12 00.2				
			eL	10.4				
		PNS	PKP	11 10 25.1				
			ePP	15 25				
			SS	36 23				
FEB	26	LPB	P	11 19 31				
FEB	26	USCGS	12 37 59.6, 3.7S, 137.2E, H = 36Km., M =					
		W NEW GUINEA						
		LPB	ePKP	12 57 44.7		0.9	14	
		PNS	PKP	12 57 45.2		0.6	6	
FEB	26	LPB	eP	13 10 06		1.0	20	
FEB	26	LPB	eP	14 27 29		1.1	20	
FEB	26	LPB	eP	14 33 11.7				
FEB	26	LPB	eP	15 20 13				
		PNS	eP	15 20 26.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	26	PNS	eP	16 47 06.8				
			i	47 10.6				
		LPB	eP	16 47 14.5		0.8	15	
FEB	26	LPB	P	17 41 40.5				
FEB	26	LPB	eP	21 41 20				
		PNS	P	21 41 38.3		0.6	3	
FEB	26	USCGS	22 57 27.2, 23.6S, 66.3W, H = 203Km., M = 5.3,					
		JUYJUY PROV. ARGENTINA.						
		LPB	P	22 59 14.1	D	0.8	54	7.1
			S	23 00 37				
		PNS	P	22 59 18.2	D			
			S	23 00 23				
			SS	00 48				
FEB	27	LPB	eP	01 46 36.5				
			i	46 47.5				
			S	47 25				
FEB	27	PNS	P	02 51 25.6		1.0	8	
		LPB	P	02 51 26.2				
FEB	27	LPB	P	03 27 40.6				
FEB	27	LPB	P	03 32 06.7				
FEB	27	LPB	P	03 36 26.2				
FEB	27	PNS	eP	04 46 10.7				
			e	46 23.6				
		LPB	P	04 46 11.6				
			i	46 23.2				
FEB	27	LPB	P	05 04 13.5		1.0	30	
		PNS	iP	05 04 14.7	C	0.6	5	
			S	04 54.3				
FEB	27	LPB	P	05 37 57.7		1.0	16	
FEB	27	USCGS	05 19 00.5, 12.2N, 140.7E, H = 19Km., M = 5.5,					
		CAROLINA IS.						
		LPB	PKP	05 38 51				151.2
			i	38 57.6				
			iPKP2	39 06.8				
			pP	42 40.6				
			L	06 30.7				
		PNS	ePKP	05 38 51.3				
			i	38 57.2				
			PKP2	39 06.6				
			L	06 30.3				
FEB	27	PNS	eP	07 39 47.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	27	USCGS 10 54 38.5, 12.1N, 140.6E, H = 33Km., M = W CAROLINE IS						
		LPB	PKP	11 14 27.5		1.5	38	15
			i	14 33.6				
			PKP2	14 44.2				
			eL	12 06.3				
		PNS	PKP	11 14 28.1		1.2	16	
			i	14 34.4				
			eL	12 06.2				
FEB	27	LPB	P	11 27 10.6		1.0	38	
		PNS	P	11 27 13.7	D			
			eS	27 56				
FEB	27	LPB	eP	12 40 37				
			s	40 45				
		PNS	eP	12 40 38				
FEB	27	LPB	eP	12 49 46				
		PNS	P	12 49 47.7		0.9	5	
FEB	27	USCGS 12 52 35.8, 4.6S, 153.3E, H = 58Km., M = NEW IRELAND REG.						
		LPB	eL	13 55				
FEB	27	PNS	eP	13 46 08.7		0.4	2	
		LPB	eP	13 46 15				
FEB	27	PNS	eP	16 38 22.4		0.6	4	
			eS	38 56.7				
FEB	27	LPB	eP	18 32 19.5		0.9	4	
		PNS	eP	18 32 24.9				
FEB	27	LPB	eP	20 24 30.3				
			e	24 41.5				
		PNS	iP	20 24 42.6	D	0.6	7	
			eS	25 08.5				
FEB	27	LPB	eP	22 38 10				
		PNS	eP	22 38 13				
			i	38 30				
FEB	27	PNS	eP	22 42 32				
			e(S)	44 25				
FEB	28	LPB	P	01 15 07.2		1.0	22	
FEB	28	LPB	P	02 24 24		0.5	7	
			e	24 34.2				
FEB	28	LPB	P	02 58 16.7				

NTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
EB	28	USCGS 03 28 21.9, 20.4N, 143.8E, H = 66Km., M = 4.6, MARIANA IS REG.						
		PNS	ePKP	03 48 06.6		1.1	8	
			eL	04 41				
		LPB	ePKP	03 48 07.5				149.4
			eL	04 40				
EB	28	LPB	eP	04 38 16.5				
EB	28	PNS	iP	05 41 28.7	D	0.4	4	
			S	41 52.9				
	28	PNS	P	08 33 27.9		0.5	3	
EB			iS	33 51.3				
EB	28	PNS	P	09 26 07.7		0.5	3	
			i	26 24.4				
			S	27 03.6				
		LPB	eP	09 26 12				
			(S)	27 12				
EB	28	USCGS 09 54 56.1, 30.3N, 67.6E, H = 25Km., M = 4.6, W PAKISTAN						
		LPB	ePKP	10 14 09				137.1
			eL	11 01				
EB	28	PNS	eP	12 26 09.8		0.5	2	
EB	28	USCGS 12 08 15, 32.9N, 137.7E, H = 349Km., M = 5.8, S OF HOUSHU. JAPAN.						
		RTA	PKP	12 27 05.7				
			i	27 10.2				
		PNS	iPKP	12 27 11.2	C	1.3	101	
			i	27 16.9				
			SKS	37 17.3				
		LPB	PKP	12 27 12.1		1.2	17	151.5
			i	27 19.2				
			pPKP	28 40.6				
			SS	50 00				
			eL	13 20				
B	28	LPB	eP	13 20 29.4		0.8	9	
		PNS	P	13 20 32.0	C	0.7	3	
B	28	USCGS 15 04 38.9, 19.2N, 67.9W, H = 43Km., M = 4.3, MANA PASSAGE						
		LPB	eP	15 11 29.5				35.5
			L	22				
		PNS	eP	15 11 31.8				
B	28	USCGS 18 30 40.7, 2.2N, 126.6E, H = 59, MALUECA PASSAGE.						
		LPB	eL	19 46				159.3
		PNS	ePKP	18 50 36.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	28	PNS	eP	19 03 01.8				
			S	03 26.8				
FEB	28	PNS	eP	20 07 55		0.5	2	
			e(S)	09 34				
FEB	28	PNS	eP	20 19 03				
			S	19 44				
FEB	28	LPB	eL	23 04				
		PNS	eP	22 17 56.6				
			eL	23 04.4				
FEB	29	PNS	eP	00 39 25.4				
			e	41 04		0.7	5	
		LPB	eP	00 39 30.6				
FEB	29	LPB	eP	03 26 13		1.0	8	
			S	26 50.2				
		PNS	eP	03 26 22.4		0.8	3	
			S	27 01				
FEB	29	LPB	eP	03 56 12.4				
		PNS	iP	03 56 15.1		0.4	6	
			S	56 37.9				
FEB	29	LPB	P	04 35 46.6		1.0	11	
FEB	29	PNS	eP	04 44 01				
		LPB	eP	04 44 07.2				
		RTA	eP	04 45 35.0				
FEB	29	LPB	eP	05 16 04.8				
		PNS	P	05 16 08.6		0.4	3	
FEB	29	LPB	P	05 30 00.8		0.5	8	
		PNS	P	05 30 04.2		0.5	6	
			e(S)	31 32				
FEB	29	PNS	eP	05 49 11.9				
			S	50 01				
		LPB	(P)	05 50 10.7				
FEB	29	USCGS 07 30 20.1, 31.1N, 143.3E, H = 33Km., M = 4.4 S OF HOUSHU. JAPAN.						
		PNS	PKP	07 50 01.8		0.8	5	
		LPB	PKP	07 50 02.7		0.8	9	148.
			eL	08 41				
FEB	29	LPB	eP	08 23 51.3				
			i	23 54.6				
FEB	29	USCGS 10 21 15.8, 6.9S, 155.7E, H = 80Km., M = 5.0 SALOMON IS.						
		PNS	ePKP	10 40 04.8				130.
		LPB	ePKP	10 40 07				
			eL	11 23.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	29	LPB	e(P)	12 10 13				
			eSKS	20 47				
			eL	37				
		PNS	P	12 10 13.9				
FEB	29	LPB	eP	13 23 48				
		PNS	eP	13 23 50		0.5	6	
			S	25 00				
FEB	29	USCGS 14 19 48.4, 9.0S, 153.7E, H = 14Km., M = 4.9, DENTRECASTEAUX IS REG						
		PNS	ePKP	14 39 02.4				
			eL	15 21.9				
		LPB	ePKP	14 39 05				131.4
			eL	15 22				
FEB	29	USCGS 15 46 18.2, 52.8N, 157.5E, H = 151Km., M = 5.4, KAMCHATKA.						
		LPB	ePKP	16 05 03				129.6
			eL	48				
		PNS	ePKP	16 05 06				
FEB	29	USCGS 16 31 34.4, 2,9S, 119.6E, H = 50Km., M = 5.4, CELEBES						
		LPB	ePKP	16 51 33				158.4
			PKP2	52 09.0				
			eL	47				
		PNS	ePKP	16 51 33		1.8	81	
			i	52 10				
			pP	55 48.2				
			G	17 39				
			eL	17 47.8				
FEB	29	PNS	eP	17 19 42.4				
		LPB	P	17 19 45.0		1.0	24	
FEB	29	LPB	eP	20 10 31				
			e(L)	50				
		PNS	eP	20 10 31.5				
FEB	29	PNS	P	20 32 58.4		0.5	3	
			eS	33 32.4				
FEB	29	USCGS 23 36 08.5, 14.6S, 167.2E, H = 183Km., M = 4.9, NEW HEBRIDES IS.						
		LPB	ePKP	23 54 30				117.0
			eL	24 31				
		PNS	ePKP	23 54 34.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	1	LPB	P	01 52 21.7		1.0	10	
			eL	02 48				
		PNS	L	02 50.1				
MAR	1	LPB	P	02 44 28.2		0.8	12	
MAR	1	USCGS	03 45 13.3, 19.1S, 169.4E, H = 234Km., M = 4.2, NEW HEBRIDES IS					
		PNS	ePKP	04 03 24.2				
		LPB	ePKP	04 03 25				112.9
MAR	1	LPB	P	04 16 45.6				
MAR	1	PNS	eP	05 29 55.3				
		LPB	P	05 30 04.2				
MAR	1	LPB	P	07 13 12.8				
			eL	19				
		PNS	eP	07 13 13				
			eL	19.2				
MAR	1	LPB	eP	07 14 53.2				
			i	15 16				
			i	15 25.2				
			iS	15 30.3				
		PNS	eP	07 15 05.9				
			iS	15 33.2				
MAR	1	LPB	P	08 06 30.7				
		PNS	eP	08 06 32.5				
			eS	07 13				
MAR	1	USCGS	08 33 15.9, 39.7N, 118.5W, H = 33Km., M = 4.2, NEVADA					
		PNS	eP	08 44 42.8				73
MAR	1	USCGS	09 40 18.3, 49.6N, 129.2W, H = 33Km., M = 3.7, VANCOUVER IS REG					
		LPB	eP	09 52 50				85
MAR	1	PNS	eP	10 14 02.7				
MAR	1	USCGS	10 19 58.3, 54.9S, 131.9W, H = 33Km., M = 4.9, S PACIFIC CORDILLERA.					
		PNS	eP	10 30 14.5		1.2	11	
			iS	38 44				
			eG	45				
			L	48.9				
		LPB	eP	10 30 15		1.6	45	61.1
			eS	38 37				
			L	49.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	1	LPB	eP	11 30 03				
		PNS	eP	11 30 11				
MAR	1	USCGS	11 15 17.1, 6.1S, 130.4E, H = 154Km., BANDA SEA.					
		LPB	ePKP	11 34 56		1.0	12	150.7
		PNS	PKP	11 34 56.4		0.9	7	
MAR	1	LPB	eP	14 59 47.5				
		PNS	eP	14 59 55				
MAR	1	PNS	eP	16 03 25				
MAR	1	PNS	eP	16 33 20				
MAR	1	USCGS	16 34 44.4, 11.7N, 85.5W, H = 190Km., M = 4.8, NICARAGUA.					
		PNS	P	16 40 59.6		0.9	6	
		LPB	eP	16 41 02				33
			eL	50				
MAR	1	LPB	eP	17 00 18				
			eL	36				
MAR	1	USCGS	18 35 06.6, 6.9N, 73.0W, H = 162Km., M = 4.4, N COLOMBIA.					
		LPB	eP	18 39 58				23.4
		PNS	P	18 40 03.2		0.9	8	
			pP	40 37.4				
MAR	1	PNS	P	19 37 36.2		0.8	9	
MAR	1	PNS	P	21 48 04.5		0.6	4	
MAR	1	USCGS	22 06 43.8, 14.7N, 45.0W, H = 33Km., M = 4.6, N ATLANTIC RIDGE.					
		LPB	eP	22 14 06.5				38.7
			L	26				
		PNS	eP	22 14 06.9		1.2	17	
MAR	1	PNS	eP	22 32 51		0.7	3	
MAR	1	USCGS	23 00 26.0, 14.6N, 45.1W, H = 32Km., M = 4.7, N ATLANTIC RIDGE.					
		LPB	eP	23 07 46				38.7
			eS	13 43				
			L	19.6				
		PNS	P	23 07 48.4		1.2	24	
			eS	13 47				
			L	19.5				
MAR	1	PNS	eP	23 52 13				
		LPB	eP	23 52 16				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	2	PNS	iP	03 17 22.8		0.7	7	
			eS	17 45.7				
MAR	2	USCGS	03 14 44.5, 49.2N, 129.1W, H = 33Km., M = 5.1, VANCAUVER IS REG.					
		LPB	eP	03 27 16.7				84.8
			eS	37 45				
			eL	56.3				
		PNS	eP	03 27 17				
			eS	37 45				
			eL	56.1				
MAR	2	LPB	P	05 59 52.5				
MAR	2	LPB	P	09 06 48				
		PNS	eP	09 06 52				
MAR	2	LPB	P	10 11 24.2				
		PNS	P	10 11 25.8		0.6	3	
MAR	2	PNS	eP	10 51 41		0.5	2	
		LPB	eP	10 51 48.5				
MAR	2	USCGS	11 14 01.1, 60.7S, 25.5W, H = 33Km., M = 5.3, S SANDWICH IS REG.					
		LPB	P	11 23 20.2				53.5
			eS	30 52.5				
			L	39.2				
		PNS	P	11 23 22.9		1.0	35	
			i	24 33.9				
			eS	30 54.6				
			L	39.1				
MAR	2	LPB	eP	12 38 23				
		PNS	eP	12 38 23.6				
			e	40 40				
MAR	2	USCGS	16 17 29.0, 29.9N, 100.2E, H = 24Km., M = 5.1, SZECHWAN PROV, CHINA.					
		LPB	ePKP	16 37 38				162.9
			eL	17 35				
		PNS	ePKP	16 37 37.5				
			eL	17 32				
MAR	2	PNS	P	16 40 45.9		0.5	3	
			i	40 55.2				
			S	41 31				
MAR	2	USCGS	17 10 22.6, 49.0N, 128W, H = 37Km., M = 4.2, VANCOUVER IS REG.					
		LPB	eP	17 22 50				84.7
			eL	50				
		PNS	eP	17 22 54				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	2	PNS	P	19 43 34.2		0.9	4	
		LPB	eP	19 43 43				
MAR	2	PNS	eP	20 38 02				
			S	39 17				
		LPB	eP	20 38 08				
MAR	2	USCGS	20 43 04.2, 32.0S, 69.2W, H = 33Km., M = 4.7, MENDOZA PROV. ARGENTINA.					
		LPB	eP	20 46 39				15.3
		PNS	P	20 46 47.9		0.9	14	
MAR	2	PNS	eP	20 56 27.8				
			S	58 02				
		LPB	eP	20 56 56				
MAR	2	PNS	iP	21 00 46.2	C	0.4	6	
			S	00 58.6				
		LPB	eP	21 00 55.5				
MAR	2	PNS	eP	22 00 55.5		1.0	9	
			eS	02 11				
		LPB	eP	22 01 02				
MAR	2	USCGS	22 02 24.8, 6.1S, 71.4E, H = 33Km., M = 5.6, CHAGOS ARCHIPELAGO REG.					
		PNS	PKP	22 21 31.5				
			pPKP	21 34				
			pP	24 08				
			PKS	25 23				
			eL	23 06.1				
		LPB	ePKP	22 21 35				133.7
			PKS	25 10				
			eL	23 06.2				
MAR	2	USCGS	23 37 15.2, 4.0N, 128.0E, H = 129Km., M = 5.2, N OF HALMAHERA.					
		PNS	PKP	23 57 02.6		1.5	33	
			PKP2	57 43.6				
		LPB	PKP	23 57 03.5				159.3
			eL	24 52				
MAR	3	PNS	eP	01 22 07.3				
MAR	3	PNS	eP	01 40 53.4				
			eS	42 03				
MAR	3	USCGS	03 32 57.1, 19.4S, 169.5E, H = 211Km., M = 5.0, NEW HEBRIDES IS.					
		LPB	ePKP	03 51 31				112.7
			eL	04 27				
		PNS	ePKP	03 51 33				
MAR	3	LPB	eP	04 10 01				
		PNS	eP	04 10 00.8		1.3	13	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	3	PNS	eP	04 30 10				
MAR	3	LPB	iP	04 47 30.2	D	0.9	37	
			i	47 40				
			iS	47 50.7				
		PNS	iP	04 47 32.3	C			
			S	47 53				
MAR	3	PNS	eP	08 03 44.2				
		LPB	P	08 03 46.0		1.0	12	
MAR	3	USCGS	07 54 52.7, 2.8N, 128.3E, H = 110Km., M = 4.9, HALMAHERA.					
		LPB	ePKP	08 14 48				158.4
			pPKP	15 18				
		PNS	ePKP	08 14 49				
			pPKP	15 17.6				
MAR	3	USCGS	08 25 56.5, 3.4N, 84.1W, H = 38Km., M = 4.8, OFF CST OF CENTRAL AMERICA.					
		PNS	eP	08 31 18		1.2	37	
			iS	35 51				
			eL	38.0				
		LPB	iP	08 31 23.8	C	1.0	18	24.8
			pP	31 36.5				
			SS	36 24				
			L	38.2				
MAR	3	LPB	P	08 56 40		0.7	6	
		PNS	eP	08 56 40.2				
MAR	3	LPB	eP	09 33 15.5				
		PNS	eP	09 33 21.6				
MAR	3	USCGS	09 31 20.2, 34.7N, 72.3E, H = 33Km., M = 5.2, W PAKISTAN.					
		LPB	ePKP	09 50 49		1.2	12	140.2
		PNS	ePKP	09 50 50.1		1.2	11	
MAR	3	PNS	eP	09 58 16				
		LPB	eP	09 58 17				
MAR	3	USCGS	12 03 29.3, 23.5S, 179.9E, H = 556Km., M = 4.9, S OF FIJI IS.					
		LPB	eL	12 52				102.6
MAR	3	PNS	P	15 58 31.5		0.5	4	
			eS	59 12				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	3	USCGS	16 16 28.7, 2.4S, 76.3W, H = 150Km., M = 4.3, PERU-ECUADOR BOR REG.					
		LPB	eP	16 20 03				15.7
			i	20 15.4				
			eS	22 52.3				
		PNS	P	16 20 05.1		0.6	3	
			i	20 09				
			eS	23 12				
MAR	3	PNS	iP	20 39 54	C	0.7	12	
			eS	40 48				
		LPB	eP	20 40 03				
MAR	3	USCGS	20 45 13.7, 56.0S, 27.3W, H = 96Km., M = 4.9, S SANDWICH IS REG.					
		LPB	eP	20 54 01		1.0	16	49.9
			eL	21 10				
		PNS	P	20 54 04.6		0.9	14	
			eL	21 10.1				
MAR	3	USCGS	21 10 29.6, 38.6N, 116.3W, H = 34Km., M = 38, NEVADA.					
		LPB	eL	21 45				71.1
MAR	3	USCGS	22 56 22.3, 33.6S, 179.6W, H = 132Km., M = 4.9, S OF KERMADEC IS.					
		LPB	eP	23 09 46				97.6
		PNS	eP	23 09 46.2				
MAR	3	USCGS	22 55 36.8, 1.6N, 122.6E, H = 435Km., M = 5.5, N CELEBES.					
		LPB	PKP	23 14 49.4		2.1	130	161.9
			PKP2	15 40.2				
			PKS	18 21				
			eSS	39 38				
			eL	24 13				
		PNS	PKP	23 14 51.1		2.2	202	
			PKP2	15 40.2				
			eSS	39 45				
			eL	24 12.7				
MAR	4	LPB	eP	01 09 46.7				
MAR	4	PNS	eP	07 03 26.7		0.8	4	
		LPB	eP	07 03 35.5				
MAR	4	LPB	eP	07 09 23.5				
		PNS	eP	07 09 49.3				
MAR	4	LPB	P	07 40 24.5	C	1.0	26	
		PNS	eP	07 40 25.7		1.2	13	
MAR	4	LPB	eP	08 15 35.5		0.9	7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	4	LPB	iP	08 38 08.0	C			
			e	38 20.5				
			S	38 43				
		PNS	iP	08 38 09.1	C			
			S	38 45				
MAR	4	LPB	eP	08 46 05.5				
		PNS	eP	08 46 12.4				
MAR	4	PNS	iP	10 24 00.6	D	0.4	7	
MAR	4	USCGS 12 51 03.5, 5.3S, 153.2E, H = 52Km., M = 4.2, NEW IRELAND REG.						
		LPB	ePKP	13 10 20				133.1
			ePKS	13 44				
			eL	54				
		PNS	ePKP	13 10 21				
			ePKS	13 50.4				
MAR	4	USCGS 15 15 19.6, 23.4S, 114.0W, H = 33Km., M = 4.4, EASTER IS REG.						
		LPB	eP	15 23 23.5				43.1
			eL	36				
		PNS	eP	15 23 28.8				
			eL	36.8				
MAR	4	USCGS 17 01 00.1, 1.2S, 15.7W, H = 25Km., M = 4.6, N OF ASCENSION IS.						
		LPB	eP	17 10 21				54.0
			L	28				
		PNS	eP	17 10 22.8				
			eL	27.1				
MAR	4	PNS	eP	20 24 04				
		LPB	eP	20 24 07				
MAR	4	PNS	P	20 43 12.5		0.6	2	
MAR	4	USCGS 21 55 02.9, 8.9S, 74.3W, H = 51Km., M = 4.5, PERU-BRAZIL BOR REG.						
		PNS	eP	21 57 21				
		LPB	eP	21 57 23				9.6
MAR	4	LPB	P	23 03 51.5	D	0.8	22	
			S	04 21.5				
		PNS	iP	23 03 52.5				
			S	04 22.6				
MAR	5	USCGS 00 22 06.9, 53.8N, 163.3W, H = 2Km., M = 4.8, UNIMAK IS REG.						
		LPB	eL	01 13				106.2
		PNS	eL	01 13.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	5	USCGS 01 46 04.5, 53.8N, 163.4W, H = 33Km., M = 4.1, UNIMAK IS REG.						
		PNS	eP	01 00 16.6				
		LPB	eP	01 00 17				106.2
MAR	5	PNS	P	02 22 06.8		0.8	6	
MAR	5	LPB	eP	02 25 30				
		PNS	eP	02 25 30				
MAR	5	PNS	eP	03 00 22				
MAR	5	PNS	eP	03 20 41.9				
MAR	5	PNS	eP	03 23 29				
MAR	5	USCGS 05 56 11.7, 25.9S, 65.4W, H = 68Km., M = 4.3, SALTA PROV. ARGENTINA.						
		PNS	P	05 58 36.4		0.9	10	9.4
			L	06 02				
MAR	5	PNS	eP	06 32 54.1				
			S	34 00				
MAR	5	USCGS 09 02 04.7, 13.5N, 144.7E, H = 71Km., M = 5.0, MARIANA IS.						
		PNS	ePKP	09 21 49.4				148.0
MAR	5	PNS	eP	09 42 01.9		0.5	2	
MAR	5	PNS	P	11 49 39.2		0.7	6	
MAR	5	PNS	eP	16 37 29.5		0.6	3	
MAR	5	USCGS 18 16 39.6, 9.6N, 126.3E, H = 61Km., M = 5.5, MINDANAO, PHILIPPINE IS.						
		LPB	ePKP	18 36 40				164.5
			eL	19 34				
		PNS	ePKP	18 36 41		0.6	9	
			SS	19 01 50				
			eG	24.7				
			eL	33.7				
MAR	5	USCGS 18 31 06.3, 9.6N, 126.2E, H = 87Km., M = 5.4, MINDANAO, PHILIPPINE IS.						
		PNS	ePKP	18 51 13				164.5
MAR	5	USCGS 18 38 06.3, 9.6N, 126.2E, H = 60Km., M = 5.4, MINDANAO, PHILIPPINE IS.						
		PNS	ePKP	18 58 08		1.6	32	
			eL	19 57.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	5	PNS	eP	19 07 42.7		1.2	7	
			e	07 56.2				
MAR	5	USCGS 19 31 49.8, 15.9N, 95.1W, H = 58Km., M = 4.4, NR CST OF OAXACA, MEXICO.						
		PNS	P	19 39 32.8		1.0	14	
		LPB	eP	19 39 35.5				41.4
			eL	52				
MAR	5	PNS	eP	20 24 46				
MAR	5	USCGS 21 20 49.8, 21.8S, 170.9E, H = 86Km., M = 5.5, LOYALTY IS REG.						
		LPB	ePKP	21 39 23.5				110.7
			eL	22 13				
		PNS	ePKP	21 39 24				
			eL	22 12.9				
MAR	5	PNS	eP	21 53 27.3		0.4	2	
MAR	6	PNS	P	00 02 57.3		0.5	3	
			S	04 09.2				
		LPB	P	00 03 02.5				
MAR	6	USCGS 00 12 33.1, 36.2N, 139.8E, H = 53Km., M = 5.0, HONSHU, JAPAN.						
		PNS	ePKP	00 32 13.0		1.2	20	
		LPB	PKP	00 32 13.8		1.1	28	148.5
MAR	6	LPB	eP	01 01 11				
			e	01 18.3				
			i	01 24.5				
		PNS	eP	01 01 14.9				
			S	02 28.6				
MAR	6	PNS	eP	02 35 22		0.7	9	
			eS	36 27				
		LPB	P	02 35 22.7		1.0	22	
			i	35 31				
			eS	36 27.5				
MAR	6	USCGS 03 38 53.9, 18 8N, 100.8W, H = 109Km., M = 4.1, GUERRERO, MEXICO.						
		PNS	eP	03 47 18		0.7	4	
		LPB	eP	03 47 23				48.3
MAR	6	LPB	eP	04 22 39.5		0.9	14	
			eS	25 09				
		PNS	iP	04 23 40.8	C	0.5	4	
			e(S)	25 10				
MAR	6	USCGS 05 14 54.2, 39.2N, 25.3E, H = 33Km., M = 4.4, AEGEAN SEA.						
		LPB	eL	06 04				102.6

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	6	PNS	eP	05 35 30.4		0.7	5	
			e(S)	37 23				
		LPB	P	05 35 49.5				
MAR	6	LPB	eP	05 44 35.5				
		PNS	P	05 45 10.0		0.5	4	
MAR	6	USCGS 08 33 04.7, 37.3N, 118.3W, H = 33Km., CALIFORNIA-NEVADA BOR REG.						
		PNS	eP	08 43 59.4				
		LPB	eP	08 44 06				71.3
MAR	6	LPB	eP	09 41 47		0.8	7	
MAR	6	PNS	eP	10 36 32				
MAR	6	PNS	eP	13 25 04				
MAR	6	USCGS 14 43 35, 17.6N, 101.1W, H = 74Km., M = 3.8, NR CST OF GUERRERO, MEXICO						
		LPB	eL	15 06				
		PNS	P	14 51 53.5				46.8
MAR	6	LPB	eP	16 11 23.4				
		PNS	P	16 11 34.0		1.0	8	
MAR	6	LPB	P	16 32 56.5				
MAR	6	PNS	P	17 47 14.9		0.6	3	
			eS	48 30				
		LPB	eP	17 47 15		0.7	17	
MAR	6	PNS	eP	19 31 43				
MAR	6	LPB	eP	19 50 27.5				
		PNS	eP	19 50 29.6				
			eS	51 14				
MAR	6	PNS	P	22 49 09		0.5	6	
MAR	6	PNS	eP	23 23 58.4		0.4	2	
MAR	6	LPB	eP	23 53 41				
		PNS	eP	23 53 48.3				
MAR	7	LPB	P	00 08 49		0.7	7	
MAR	7	PNS	iP	00 12 03.4	C			
			S	12 34				
		LPB	iP	00 12 07.7	C	0.9	77	
			iPg	12 25				
			S	12 40.6				
MAR	7	PNS	P	01 20 36.9	C	0.6	5	
			S	20 58.5				
MAR	7	LPB	iP	02 04 52.7	C	0.7	10	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	7	LPB	P	02 10 48.8		0.7	10	
MAR	7	LPB	eP	03 10 12.8				
MAR	7	USCGS 02 54 43.4, 35.6N, 140.0E, H = 52Km., M = 4.6, NR E CST OF HONSHU, JAPAN.						
		PNS	ePKP	03 14 21				
			pPKP	14 50				
			eL	04 04.9				
		LPB	ePKP	03 14 22.2				148.5
			PKP2	14 31.6				
			pPKP	14 45.5				
			eL	04 05				
MAR	7	PNS	eP	03 20 25				
		LPB	P	03 20 26.7		1.0	6	
MAR	7	PNS	eP	04 41 33				
		LPB	P	04 41 34.5		1.0	12	
MAR	7	LPB	P	04 51 28.6		0.6	10	
MAR	7	LPB	P	04 52 48.4		0.7	46	
MAR	7	LPB	P	05 20 41.8		0.8	20	
MAR	7	PNS	P	05 27 21.6		0.6	3	
		LPB	eP	05 27 24.2				
MAR	7	PNS	P	05 52 18.1		0.5	4	
			S	52 48.2				
		LPB	P	05 52 21.4				
MAR	7	LPB	P	06 32 30.3		0.9	12	
		PNS	P	06 32 34.2		0.4	3	
MAR	7	PNS	eP	07 20 58				
		LPB	eP	07 20 58.4				
MAR	7	USCGS 07 21 06.5, 71.7N, 3.1W, H = 26Km., M = 4.6, JAN MAYEN IS REG.						
		LPB	eP	07 34 35.6				
			eL	08 08				98.1
		PNS	eP	07 34 37.2				
			S	46 40				
			SS	53 22				
			eG	08 01.3				
			eL	07.7				
MAR	7	PNS	eP	08 18 55.8				
MAR	7	LPB	eP	08 25 40.2		0.8	4	
MAR	7	LPB	P	08 48 49.7				
MAR	7	PNS	eP	08 52 49.5		1.8	37	
		LPB	P	08 52 51.5		1.4	27	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	7	PNS	eP	10 29 46				
MAR	7	LPB	eP	10 33 14				
MAR	7	LPB	iP	10 41 41.7	C	0.7	84	
			i	41 51.5				
			S	42 14.7				
		PNS	iP	10 41 42.3	C			
			S	42 18				
MAR	7	PNS	eP	11 09 52				
MAR	7	LPB	eP	11 25 06				
		PNS	P	11 25 15.0		0.4	2	
MAR	7	USCGS 13 05 13.1, 71.6N, 3.2W, H = 33Km., M = 4.4, JAN MAYEN IS REG.						
		LPB	eP	13 18 44				98.1
MAR	7	USCGS 13 22 16.6, 5.9S, 151.1E, H = 39Km., NEW BRITAIN REG.						
		PNS	ePKP	13 41 21		0.9	5	
			pP	43 45				
			iPKS	44 40				
			PS	54 00				
			SS	14 01 32				
			G	10.3				
			eL	26.2				
		LPB	PKP	13 41 21.8		2.5	237	135.0
			pPKP	41 40				
			pP	44 15				
			PKS	45 08				
			PS	54 10				
			eSS	14 02 00				
			G	18.5				
			eL	26				
MAR	7	PNS	iP	14 38 48.2	D			
			S	39 13.6				
MAR	7	USCGS 14 41 02.5, 5.9S, 151.1E, H = 63Km., M = 4.8, NEW BRITAIN REG.						
		LPB	ePKP	15 00 10.5				
			eL	45				135.0
		PNS	ePKP	15 00 12.2				
MAR	7	USCGS 17 37 20.9, 6.1N, 125.5E, H = 215Km., M = 4.8, MINDANAO, PHILIPPINE IS.						
		LPB	ePKP	17 56 57				
		PNS	ePKP	17 56 59				162.9
			e	57 18.2				
MAR	7	PNS	iP	18 45 09.8		0.4	5	
			eS	46 33.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	7	PNS	iP	18 47 33.8	D	0.5	6	
			S	47 57				
MAR	7	PNS	P	20 53 52.2				
			S	54 38.1				
MAR	7	PNS	eP	21 09 00.2				
MAR	8	LPB	eP	00 13 18.5				
		PNS	eP	00 13 31.3		0.7	2	
MAR	8	USCGS 03 21 21.9, 16.2S, 177.1W, H = 423Km., M = 3.8, W OF TONGA IS.						
		LPB	eP	03 34 09				102.6
			eL	04 10				
MAR	8	USCGS 04 08 36.5, 2.0S, 76.8W, H = 160Km., M = 4.1, PERU-ECUADOR BOR REG.						
		LPB	eP	04 12 13		0.8	6	
		PNS	eP	04 12 19.2				
			eL	16.9				
MAR	8	USCGS 05 38 15.1, 37.0N, 80.5N, H = 31Km., M = 4.0, WEST VIRGINIA.						
		LPB	eP	05 47 44				54.9
MAR	8	PNS	eP	06 38 27.8				
			eS	39 30.3				
		LPB	eP	06 38 38		1.0	6	
MAR	8	USCGS 08 23 00.0, 4.2S, 77.9W, H = 106Km., M = 4.2, N PERU.						
		PNS	eP	08 26 12.8				
			i	26 40.8				
		LPB	eP	08 26 28				15.0
			i	26 44.6				
MAR	8	LPB	P	10 30 17.8				
			i	30 26.7				
		PNS	eP	10 30 20.7		0.8	6	
MAR	8	PNS	P	11 32 58.1		0.7	3	
MAR	8	USCGS 11 48 45.7, 34.1S, 149.0E, H = 6Km., NEW SOUTH WALES, AUSTRALIA.						
		LPB	ePKP	12 07 34				118.1
			eL	44				
MAR	8	USCGS 1S 28 05.9, 58.7S, 27.9W, H = 33Km., M = 4.6, S SANDWICH ISLANDS REG.						
		LPB	eP	15 37 20				52.6
			eL	53.6				
		PNS	eP	15 37 21.3		0.8	6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	8	USCGS 15 51 27.9, 15S, 128.6E, H = 33Km., M = 4.4, HALMAHERA.						
		PNS	ePKP	16 11 22.8				
		LPB	ePKP	16 11 23				155.2
MAR	8	PNS	eP	16 33 13.3		0.5	3	
			eS	33 56.3				
		LPB	eP	16 33 25.5				
MAR	8	USCGS 17 15 54.9, 29.8N, 130.2E, H = 23Km., M = 4.9, RYUKYU IS.						
		LPB	ePKP	17 35 52				158.4
		PNS	ePKP	17 35 52				
MAR	8	PNS	eP	19 55 39.3				
			S	56 26.3				
MAR	8	USCGS 19 47 27.1, 9.4N, 126.5E, H = 50Km., M = 4.8, MINDANAO, PHILIPPINE IS.						
		PNS	ePKP	20 07 28.9		1.8	35	
			eL	21 04.8				
		LPB	ePKP	20 07 29.5		1.8	86	163.8
			eL	21 05				
MAR	8	PNS	P	20 16 39.2		0.6	2	
MAR	8	LPB	eP	21 25 26.7		1.0	14	
		PNS	eP	21 25 29.5				
MAR	8	LPB	P	21 53 51.2		0.7	21	
		PNS	iP	21 54 05.3	C			
			S	55 08.1				
MAR	9	LPB	P	00 29 10.5		1.0	20	
		PNS	P	00 29 11.9	C	0.6	5	
			S	29 50.3				
MAR	9	PNS	eP	00 55 10		1.0	5	
		LPB	eP	00 55 14.2		1.0	10	
MAR	9	USCGS 00 46 00.9, 8,7N, 94.0E, H = 33Km., M = 5.0, NICOBAR IS REG.						
		LPB	ePKP	01 06 00.2		1.0	10	160.6
			pPKP	06 45				
			eL	02 02				
		PNS	ePKP	01 06 00.9				
			pPKP	06 47.3				
MAR	9	LPB	eP	01 31 18				
		PNS	P	01 31 25.7				
			e	31 34.3				
MAR	9	PNS	P	01 58 00.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	9		USCGS 03 19 23.7, 5.6S, 154.0E, H = 86Km., M = 5.7, SOLOMON IS.					
		PNS	ePKP	03 38 21.0				
			i	38 32.5				
			ePKS	41 56.1				
			eL	04 22.8				
		LPB	ePKP	03 38 32				132.3
			ePKS	42 00				
			eL	04 22.8				
MAR	9	LPB	eP	03 50 45.5				
		PNS	eP	03 50 48.3				
MAR	9	LPB	eP	04 35 36.3				
		PNS	eP	04 35 37.3				
MAR	9	LPB	eP	04 45 27				
		PNS	P	04 45 31.1		0.9	4	
MAR	9	PNS	eP	05 56 40.1				
		LPB	P	05 56 40.7		0.7	8	
MAR	9	LPB	eP	06 06 19.5				
		PNS	P	06 06 35.8				
			S	06 58.9				
MAR	9	LPB	P	06 45 12.5		1.2	21	
			i	45 18.2				
		PNS	eP	06 45 12.6		1.5	36	
			i	45 18.3				
MAR	9	USCGS 08 24 36.8, 9.9S, 118.8E, H = 33Km., SUMBAWA IS REG.						
		LPB	ePKP	08 44 32				152.8
		PNS	ePKP	08 44 36.3				
MAR	9	PNS	P	09 02 17.2				
			eS	02 20.1				
		LPB	eP	09 02 24.5				
MAR	9	USCGS 14 53 20.6, 18.0S, 65.8E, H = 33Km., M = 4.7, MASCARENE IS REG.						
		PNS	ePKP	15 12 16				
		LPB	ePKP	15 12 17				
			eL	51				
MAR	9	USCGS 17 26 15.7, 24.2S, 66.8W, H = 148Km., M = 4.6, SALTA PROV. ARGENTINA.						
		LPB	iP	17 28 12.0	C	0.7	7	7.6
		PNS	P	28 12.4		1.0	6	
			i	28 16.1				
			S	29 43.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	9	LPB	eP	18 24 13.2				
		PNS	eP	18 24 14				
MAR	9	PNS	iP	19 50 24.5	D	0.4	6	
			S	50 46.8				
MAR	9	USCGS 19 59 44.3, 20.9N, 45.9W, H = 33Km., M = 4.6, NORTH ATLANTIC RIDGE						
		LPB	eP	20 07 42.7				43.1
			eL	21				
		PNS	eP	20 07 44		1.2	8	
			eL	22.5				
MAR	9	PNS	eP	20 45 54.7				
			e	46 00.5				
			eS	47 27				
		LPB	eP	20 45 57.7		1.0	20	
			eS	47 24.3				
MAR	9	USCGS 23 13 04.9, 20.9N, 45.9W, H = 33Km., M = 4.5, N ATLANTIC RIDGE.						
		LPB	eP	23 21 04				43.0
			eL	34				
		PNS	eP	23 21 04.1		1.1	7	
			eL	34.8				
MAR	10	USCGS 01 30 56.9, 37.7S, 50.6E, H = 33Km., M = 4.4, ATLANTIC-INDIAN RISE.						
		LPB	eP	01 45 02				105.3
			eL	02 21				
		PNS	eP	01 45 03.6				
MAR	10	LPB	eP	02 18 06.3				
MAR	10	LPB	eP	02 29 23.2				
MAR	10	PNS	iP	03 49 20.8	D			
			S	49 27				
		LPB	P	03 49 22.7	D	0.6	15	
			eS	49 30.4				
MAR	10	USCGS 03 49 25.0, 52.1N, 177.3W, H = 7Km., M = 5.4, ANDREANOF IS, ALEUTIAN IS.						
		LPB	ePKP	04 08 06				114.5
			eSS	25 00				
			eL	43				
		PNS	ePKP	04 08 10				
			eL	43.2				
MAR	10	PNS	eP	04 18 54				
MAR	10	LPB	iP	05 15 54.3	D	0.9	37	
		PNS	P	05 15 55.7		0.9	8	
			e(S)	17 08				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	10	USCGS 07 11 22.1, 36.3S, 179.4E, H = 76Km., M = 5.7, OFF E CST OF NORTH IS, N.Z.						
		PNS	eP	07 24 50.5		1.8	44	
			pP	28 48.1				
			SKS	35 28				
			L	59.1				
		LPB	P	07 24 51.3	C	1.4	40	97.5
			pP	28 48.6				
			eSKS	35 29				
			L	59				
MAR	10	PNS	eP	08 37 37				
			e(S)	40 08				
		LPB	eP	08 37 44		1.0	6	
MAR	10	LPB	P	09 51 16.7		0.9	10	
		PNS	eP	09 51 18.5				
MAR	10	LPB	eP	10 27 34.5				
		PNS	eP	10 27 37				
MAR	10	PNS	P	10 44 55.0		1.0	5	
		LPB	P	10 44 55.6		0.9	10	
MAR	10	LPB	P	10 48 28				
		PNS	P	10 48 32.6		0.6	2	
			eS	49 09				
MAR	10	PNS	eP	11 35 16.4				
MAR	10	USCGS 13 01 16.2, 35.9N, 136.9E, H = 33Km., S HONSHU, JAPAN.						
		LPB	P	13 21 03				151.0
			eL	14 13				
MAR	10	LPB	eP	13 45 15.6				
MAR	10	LPB	eL	15 22				
		PNS	eL	15 21.9				
MAR	10	PNS	eP	15 43 44				
MAR	10	PNS	eP	18 11 27.5				
			eS	11 51				
		LPB	eP	18 11 32.5				
MAR	10	PNS	eP	19 33 11				
MAR	10	USCGS 20 13 36.5, 9.5N, 126.3E, H = 69Km., M = 5.2, MINDANAO, PHILIPPINE IS.						
		PNS	ePKP	20 33 44				164.2
MAR	10	PNS	eP	21 45 02.4				
MAR	11	PNS	iP	03 02 24.1	D	0.5	23	
		LPB	P	03 02 24.5		0.9	20	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	11	LPB	P	03 15 56.5		1.0	8	
			i	16 19.7				
MAR	11	USCGS 03 00 35.4, 35.2N, 137.7E, H = 33Km., HONSHU, JAPAN.						
		LPB	ePKP	03 20 14				150.3
			ePKS	27 42.2				
			eL	04 12				
		PNS	ePKP	03 20 15				
MAR	11	PNS	i	05 17 16.1	D	0.6	25	
		LPB	P	05 17 18.2				
MAR	11	LPB	P	05 49 30.8		0.8	10	
			eL	06 05				
		PNS	P	05 49 32.6	C	0.7	8	
			eL	06 05.7				
MAR	11	LPB	iP	05 51 03.8		0.8	12	
		PNS	P	05 51 07.5		0.5	3	
MAR	11	TRJ	iP	07 41 01.5	C			
MAR	11	USCGS 08 26 32.8, 16.2S, 173.9W, H = 112Km., M = 6.0, TONGA IS.						
		PNS	eP	08 40 06.3		1.6	45	
			pP	44 14.5				
			iSKS	50 43				
			eS	51 53				
			SS	58 38				
			eG	09 06.5				
			L	13.1				
		LPB	eP	08 40 08.8		1.5	50	99.4
			ePP	44 13				
			SKS	50 42				
			S	51 19.5				
			eSS	58 44				
			eG	09 06.7				
			L	13.3				
		TRJ	eP	08 40 45.3				
MAR	11	PNS	eP	08 56 12				
		TRJ	eP	08 56 24				
		LPB	eP	08 56 26.7		1.7	45	
MAR	11	PNS	P	09 47 12.1	D	0.5	24	
			S	47 34.3				
		LPB	P	09 47 13.8		0.9	34	
MAR	11	USCGS 10 57 19.1, 35.8N, 141.5E, H = 33Km., M = 4.0, NR E CST OF HONSHU, JAPAN.						
		LPB	ePKP	11 17 04				147.6
MAR	11	PNS	P	11 34 38.6				
MAR	11	PNS	iP	12 14 27.6	C	0.4	8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	11	LPB	P	15 03 00.6		0.8	15	
		PNS	P	15 03 04.1		0.7	6	
			eS	04 30				
MAR	11	PNS	eP	16 19 07				
MAR	11	TRJ	iP	16 27 00	C			
			S	27 30.8				
MAR	11	USCGS 17 06 45.9, 17.9S, 69.9W, H = 131Km., M = 4.0, PERU-BOLIVIA BOR REG.						
		PNS	iP	17 07 22.2	D			
			S	07 47.7				
		LPB	iP	17 07 23.2		1.1	42	2.0
			S	07 50				
MAR	11	TRJ	P	17 09 16.0	D			
MAR	11	PNS	eP	17 39 30				
		LPB	P	17 39 32		1.5	83	
MAR	11	USCGS 18 25 13.3, 52.1N, 178.2E, H = 121Km., M = 5.2, RAT IS, ALEUTIAN IS.						
		LPB	ePKP	18 44 02				
			eL	19 21				117.4
		PNS	ePKP	18 44 04				
MAR	11	PNS	eP	19 09 22.6				
			e(S)	11 24.6				
MAR	11	PNS	eP	21 51 43				
			S	52 18.5				
MAR	11	PNS	eP	23 58 21.5				
MAR	12	PNS	eP	00 48 55.4				
		LPB	eP	00 48 56.2				
MAR	12	PNS	P	04 08 18.0		0.5	4	
		LPB	eP	04 18 18.2				
MAR	12	LPB	P	05 23 32.9		0.8	6	
MAR	12	LPB	P	05 41 10.7		1.0	6	
MAR	12	USCGS 05 45 05.8, 19.4N, 144.5E, H = 121Km., M = 4.3, MARIANA IS.						
		PNS	ePKP	06 04 19				
		LPB	ePKP	06 04 20		0.8	6	148.5
			eL	55				
MAR	12	LPB	eP	06 28 24.3		1.0	10	
		PNS	eP	06 28 24.4		0.8	4	
MAR	12	PNS	eP	06 39 26.5				
		LPB	eP	06 39 44.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	12	USCGS 06 39 20.9, 22.6N, 143.4E, H = 5Km., M = 4.9, VOLCANO IS REG.						
		LPB	PKP	06 59 08.2				149.4
			PKP2	59 14.5				
			eL	07 51				
		PNS	ePKP	06 59 09.2				
			PKP2	59 19				
			eL	07 51				
MAR	12	LPB	eP	07 23 54.2				
		PNS	eP	07 23 58				
MAR	12	PNS	P	07 50 07.5		0.8	10	
			S	50 29.8				
MAR	12	USCGS 09 32 07.4, 13.0N, 72.6W, H = 11Km., M = 5.3, CARIBBEAN SEA.						
		PNS	P	09 38 14		1.0	20	
			S	43 11				
			L	48.5				
		LPB	P	09 38 15				29.8
			eS	43 10				
			eL	47				
MAR	12	PNS	eP	10 03 36.2				
MAR	12	PNS	eP	10 09 43				
MAR	12	LPB	P	10 48 10				
		PNS	P	10 48 10.2		0.4	2	
MAR	12	USCGS 12 35 52.0, 11.4S, 76.9W, H = 31Km., M = 4.5, PERU.						
		PNS	P	12 38 08.4		0.9	7	
			L	41.9				
		LPB	eP	12 38 16		0.9	12	9.8
			iPP	38 33				
			eL	41.4				
		TRJ	P	12 39 25.1				
MAR	12	PNS	eP	16 02 11				
		LPB	eP	16 02 20				
MAR	12	PNS	P	16 48 15.6		0.5	4	
MAR	12	USCGS 18 23 34.1, 14.9S, 176.9W, H = 33Km., M = 5.3, FIJI IS REG?						
		LPB	ePKP	18 37 27				102.6
			eL	19 12				
		PNS	ePKP	18 37 28				
MAR	12	USCGS 18 59 18.0, 24.3S, 179.0E, H = 472Km., M = 4.5, S OF FIJI IS.						
		PNS	ePKP	19 13 13.8				
		LPB	ePKP	19 13 14				103.0
			eL	48				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	12	USCGS 21 24 27.1, 6.1S, 150.3E, H = 47Km., M = 4.8, NEW BRITAIN REG.						
		PNS	ePKP	21 43 46.0'				
		LPB	ePKP	21 43 47				
			eL	22 29				135.0
MAR	12	PNS	eP	23 48 26.8				
MAR	13	TRJ	iP	00 31 56.3	C			
			iS	32 30.5				
		LPB	P	00 32 23		0.9	14	
		PNS	P	00 32 27.0	C	0.6	9	
MAR	13	PNS	eP	01 08 29				
MAR	13	PNS	P	04 11 37.1				
		LPB	P	04 11 41.2		0.8	4	
MAR	13	TRJ	P	04 16 43.2				
		LPB	eP	04 16 51.5				
		PNS	P	04 16 52.2		0.7	3	
MAR	13	PNS	iP	04 59 13				
		LPB	P	04 59 14.6		0.9	20	
MAR	13	TRJ	P	06 10 11.7				
			S	10 30.2				
		LPB	eP	06 10 51.2				
		PNS	P	06 10 56		0.7	7	
MAR	13	TRJ	P	06 34 34.3				
			S	35 15.0				
		LPB	eP	06 34 54		0.9	8	
		PNS	P	06 34 57.1		0.8	3	
MAR	13	PNS	eP	08 01 13.5		0.9	4	
		LPB	eP	08 01 16		1.0	10	
MAR	13	PNS	eP	08 08 51				
		LPB	eP	08 08 52.5				
MAR	13	TRJ	P	08 10 29.4				
MAR	13	LPB	P	08 17 22.3				
MAR	13	TRJ	P	08 51 01.4				
			S	51 32.0				
MAR	13	USCGS 09 31 47.5, 57.1S, 23.7W, H = 33Km., M = 5.2, S SANDWICH IS REG.						
		TRJ	iP	09 40 13.9	D			
		LPB	P	09 40 58.7		1.2	87	52.1
			S	48 23.5				
			eL	57				
		PNS	P	09 41 00.8				
			S	48 21.6		1.0	21	
			eL	57.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	13	USCGS 10 28 40.7, 28.0N, 139.4E, H = 516Km., M = 4.1, BONIN IS REG.						
		PNS	PKP	10 47 39.4		0.7	4	
		LPB	ePKP	10 47 39.8		0.8	9	151.9
MAR	13	USCGS 10 32 21.0, 9.1S, 119.0E, H = 33Km., M = 5.0, SUMBAWA IS REG.						
		TRJ	PKP	10 52 05.9				
			i	52 10.4				
			i	52 33.0				
		PNS	ePKP	10 52 12.1		1.0	7	
			pPKP	52 22.0				
		LPB	PKP	10 52 13		0.8	10	153.7
			eL	11 45				
MAR	13	USCGS 10 55 27.9, 51.7N, 176.0W, H = 60Km., M = 6.0, ANDREANOF IS ALEUTIAN IS.						
		LPB	eL	11 49				114.3
MAR	13	USCGS 11 13 34.3, 37.1N, 32.7W, H = 33Km., M = 4.5, AZORES IS REG.						
		LPB	eP	11 24 32				
			eL	45				70.6
		PNS	P	11 24 33.7				
			eL	45				
MAR	13	PNS	P	11 44 20		0.9	6	
MAR	13	PNS	iP	11 49 59.4	C	0.7	7	
MAR	13	USCGS 12 48 32, 22.5N, 45.2W, H = 33Km., M = 4.6, N ATLANTIC RIDGE.						
		PNS	P	12 56 45.4		1.2	4	
			eL	13 10.3				
		LPB	P	12 56 45.5		1.2	40	45.0
			eL	13 10				
MAR	13	PNS	P	14 18 41.0		0.8	169.0	
MAR	13	LPB	eP	14 30 53.5				
		PNS	P	14 31 02.0		0.8	6	
			e(L)	41.5				
MAR	13	USCGS 14 24 23.4, 51.7N, 175.4W, H = 54Km., M = 4.4, ANDREANOF IS, ALEUTIAN IS.						
		PNS	ePKP	14 43 06				
			eL	15 19.0				113.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	13	USCGS	14 50 36,	20.6S, 68.8W,	H = 117Km.,	M = 4.1,		
		CHILE BOLIVIA BOR REG.						
		LPB	iP	14 51 38.5		0.7	252	4.0
			eS	52 27				
		TRJ	iP	14 51 38.6	D			
		PNS	iP	14 51 41.8	C			
			eS	52 33				
MAR	13	PNS	P	16 37 05.1		0.6	13.1	
			S	37 41.5				
MAR	13	PNS	eP	16 53 10.6				
			e(S)	54 43.2				
MAR	13	PNS	eP	17 55 39				
MAR	13	PNS	eP	18 54 25.4				
MAR	13	LPB	eP	20 26 46				
		PNS	P	20 26 57		1.3	22	
MAR	13	USCGS	20 25 32.1,	20.5S,	178.1W,	H = 520Km.,	M = 5.0,	
		TONGA IS.						
		LPB	eP	20 39 23				101.7
MAR	13	PNS	eP	20 42 46.1		1.3	9	
MAR	13	LPB	eP	20 54 13				
		PNS	eP	20 54 34				
MAR	13	LPB	ePKP	21 54 18				
		PNS	eP	21 54 23.3				
MAR	13	PNS	eP	22 14 52				
			S	15 44				
		LPB	eP	22 15 02.5		0.9	18	
MAR	13	USCGS	22 38 38.9,	42.4N,	66.5E,	H = 33Km.,	M = 5.2,	
		CENTRAL KAZAKH SSR.						
		PNS	ePKP	22 57 54				
			eL	23 42				
		LPB	ePKP	22 57 54.2				133.1
			eL	23 42				
MAR	13	TRJ	P	23 47 22.8				
			S	48 29.3				
		PNS	eP	23 47 31.5				
			eS	48 50				
		LPB	eP	23 47 33.5				
MAR	14	LPB	00 50 46	0.9		7		
MAR	14	TRJ	iP	01 26 46.7	C			
MAR	14	LPB	eP	01 28 08				
		PNS	eP	01 28 11				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	14	LPB	eP	02 00 35.6		0.7	12	
MAR	14	USCGS	02 08 36.6,	42.3N,	66.5E,	H = 33Km.,	M = 5.4,	
		CENTRAL KAZAKH SSR.						
		PNS	PKP	02 27 52.3		1.6	43	
			L	03 11.0				
		LPB	PKP	02 27 53.2		1.4	58	153.1
			eL	03 11				
MAR	14	PNS	P	03 45 57				
			S	46 33.4				
MAR	14	USCGS	04 17 40.7,	22.9S,	176.9W,	H = 446Km.,	M = 4.3,	
		S OF FIJI IS.						
		LPB	eP	04 30 31				
		PNS	eP	04 30 31.2				99.9
MAR	14	PNS	P	04 31 53.4		0.4	2	
			S	32 33.5				
MAR	14	PNS	eP	04 45 10.1				
		LPB	P	04 45 18				
			e	45 23.3				
MAR	14	PNS	eP	08 52 08.1				
			S	53 01.5				
		LPB	eP	08 52 09.2				
MAR	14	PNS	eP	09 56 53				
		LPB	eP	09 56 55.5				
MAR	14	USCGS	10 09 19.8,	12.0N,	86.8W,	H = 25Km.,	M = 4.5,	
		NICARAGUA.						
		LPB	eL	10 25				33.7
MAR	14	PNS	P	10 22 21.6	D			
			L	11 07				
		LPB	P	10 22 27.4		0.7	14	
			i	22 32				
			eL	11 11				
MAR	14	PNS	eP	12 12 07				
MAR	14	TRJ	eP	13 13 38.9				
MAR	14	TRJ	P	13 14 13.7				
MAR	14	PNS	P	14 36 04.3	D			
			S	36 22				
		LPB	P	14 36 08		0.8	16	
MAR	14	LPB	P	14 46 41		1.4	58	
MAR	14	PNS	P	14 52 03.2		0.4	7	
			S	52 35				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	14	TRJ	iP	15 25 50.2	D			
		LPB	eP	15 26 41.5				
		PNS	P	15 26 49.9		0.7	8	
MAR	14	TRJ	P	15 32 22.6	C			
		LPB	eP	15 33 18				
		PNS	P	15 33 22.8		0.6	9	
			S	33 52.3				
MAR	14	PNS	P	16 34 02.3		0.6	9	
		LPB	eP	16 34 04.3				
MAR	14	PNS	iP	16 36 15.4	D			
			S	36 29				
MAR	14	USCGS	16 44 11.1, 27.5S, 70.8W, H = 33Km., M = 4.5, NR CST OF N CHILE.					
		TRJ	P	16 46 10.5	D			
		LPB	P	16 46 48.2				11.2
			eL	50				
		PNS	eP	16 46 52.9				
			eL	50.6				
MAR	1[illegible]	LPB	eP	17 06 48.8				
		PNS	eP	17 06 49.7				
MAR	14	USCGS	18 45 11.6, 27.9S, 176.8W, H = 30Km., M = 5.2, KERMADEC IS REG.					
		LPB	P	18 57 42.2		0.9	19	98.1
			eSKS	19 09 26				
			eSS	17 10				
			L	31				
		PNS	eP	18 58 46				
			SKS	19 09 24				
			PS	11 53				
			SS	17 13				
			L	30.9				
MAR	14	TRJ	P	19 06 27.5	C			
			S	06 58.0				
MAR	14	USCGS	19 30 24.9, 23.6N, 45.2W, H = 33Km., M = 4.3, N ATLANTIC RIDGE.					
		PNS	e	19 38 45		0.8	4	
		LPB	eP	19 38 46				
MAR	14	PNS	eP	20 49 27.7				
	14	LPB	eP	22 32 18				
		PNS	eP	22 32 22				
MAR	14	LPB	eP	23 46 51				
		PNS	P	23 46 56.0		0.4	4	
			S	48 23.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	15	PNS	eP	00 53 47				
			S	54 01				
MAR	15	TRJ	P	01 03 36.1				
			S	04 18.6				
		LPB	eP	01 04 34.2				
		PNS	P	01 04 35.8		0.6	4	
MAR	15	PNS	eP	03 07 04				
			S	07 31.8				
MAR	15	PNS	eP	03 37 03				
		LPB	P	03 37 16		0.9	7	
MAR	15	PNS	iP	04 17 57.4	C			
			eS	17 56				
		LPB	iP	04 18 01.7	C	0.5	10	
			e	18 06.8				
			S	18 52.6				
		TRJ	iP	04 18 53.4	D			
MAR	15	PNS	iP	04 40 50.4	D			
			iS	41 13.4				
		LPB	iP	04 40 52.3	D	0.8	67	
			S	41 16.5				
		TRJ	P	04 41 51.7				
MAR	15	LPB	eP	04 55 32.2				
		PNS	eP	04 55 34.4				
MAR	15	TRJ	P	05 59 04.0				
			S	59 36.6				
MAR	15	USCGS	06 34 31.9, 41.9S, 88.4E, H = 33Km., M = 5.2, SE INDIAN RISE.					
		LPB	PKP	06 53 25				117.9
			eSS	07 10 50				
			G	24				
			L	31.8				
		PNS	ePKP	06 53 26				
			PS	07 04 25				
			SS	07 10 58				
			G	23.9				
			L	31.9				
MAR	15	USCGS	07 19 39.6, 44.4N, 149.0E, H = 53Km., M = 4.5, KURILE IS.					
		TRJ	ePKP	07 39 07.7				
		PNS	PKP	07 39 16.9		0.8	4	
		LPB	PKP	07 39 18.3		1.0	12	138.6
MAR	15	LPB	P	07 52 19.8		0.8	4.5	
		PNS	eP	07 52 23				
MAR	15	PNS	iP	07 53 39	D	0.4	3	
			S	54 04				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	15	LPB	eP	08 29 14.2				
		TRJ	iP	08 29 43.3	C			
			S	30 18.1				
MAR	15	PNS	iP	08 51 04.8	D			
		LPB	P	08 51 07		0.9	22	
			S	51 34.3				
MAR	15	PNS	P	09 17 51.4				
			eS	18 13				
MAR	15	LPB	eP	09 31 21				
		PNS	eP	09 31 42				
MAR	15	PNS	eP	10 54 23.6				
MAR	15	PNS	P	12 17 31.1				
			S	18 50				
		LPB	eP	12 17 34				
MAR	15	TRJ	P	12 26 55.3				
		PNS	P	12 27 30.6	C	0.6	3	
			S	29 45				
		LPB	eP	12 27 37		1.1	35	
			S	29 42.6				
			eL	31.7				
MAR	15	USCGS 13 29 51, 44.6N, 145.5E, H = 33Km., M = 4.5, HOKKAIDO,JAPAN REG.						
		LPB	ePKP	13 49 21.5				
MAR	15	PNS	eP	16 32 22		0.6	4	
MAR	15	PNS	eP	16 53 16.7		0.8	4	
		LPB	eP	16 53 18.2				
MAR	15	PNS	P	17 04 47.3				
			eS	05 27.4				
MAR	15	PNS	eP	17 14 16.9				
MAR	15	USCGS 17 43 27.3, 29.4N, 141.4E, H = 11Km., M = 4.7, S OF HONSHU, JAPAN.						
		PNS	ePKP	18 03 14				
		LPB	ePKP	18 03 16.3				149.9
			eL	54				
MAR	15	USCGS 17 51 57.2, 6.3S, 71.3E, H = 35Km., M = 5.3, CHAGOS ARCHIPELAGO REG.						
		PNS	ePKP	18 11 15.4				
		LPB	ePKP	18 11 16				133.6
			eL	55				
MAR	15	PNS	P	19 58 00.5		0.3	2	
		LPB	eP	19 58 21				
MAR	15	PNS	iP	20 13 39.7	D			
		LPB	P	20 13 44.5		0.9	20	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	15	USCGS 20 39 08.7, 56.9S, 25.5W, H = 33Km., M = 5.4, S SANDWICH IS REG.						
		TRJ	iP	20 47 26	D			
		LPB	P	20 48 12.5		0.8	52	51.0
		PNS	eP	20 48 15.5	C	0.8	27	
MAR	15	TRJ	P	21 29 26.2	D			
		PNS	P	21 30 22.2		0.8	6	
			eS	32 35				
MAR	15	LPB	eP	23 28 18				
		PNS	P	23 28 29.1		0.5	3	
MAR	1	USCGS 00 17 02.0, 22.7N, 45.2W, H = 33Km., M = 4.4, N ATLANTIC RIDGE.						
		LPB	eP	00 25 16.5		1.0	12	45.0
			eL	39				
		PNS	P	00 25 16.6	C	1.0	14	
			pP	25 23				
			eL	39.3				
MAR	16	USCGS 01 07 54.4, 35.4N, 140.4E, H = 22Km., M = 4.2, NR E CST OF HONSHU, JAPAN						
		PNS	ePKP	01 27 36				
		LPB	ePKP	01 27 37.5				148.5
MAR	16	USCGS 02 06 57.5, 34.0N, 137.8E, M = 307Km., M = 3.8, NR S CST OF HONSHU, JAPAN.						
		PNS	ePKP	02 26 09.2				
		LPB	ePKP	02 26 10				151.3
MAR	16	PNS	P	02 40 51		0.5	2	
			S	41 14				
MAR	16	PNS	P	04 05 14.7		0.6	16	
			S	06 18.6				
		LPB	P	04 05 19.8		0.9	41	
			eS	06 26				
MAR	16	PNS	eP	04 13 25.2		0.6	4	
		LPB	P	04 13 31		1.0	14	
MAR	16	TRJ	eP	04 15 12				
		LPB	eP	04 15 22.5				
		PNS	P	04 15 24.8		0.7	8	
MAR	16	PNS	eP	09 56 36		0.8	3	
MAR	16	TRJ	iP	12 05 43.4	D			
			iS	06 13.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	16	USCGS	12 26 38.9, 25.5N, 100.9E, H = 45Km., M = 5.2, YUNAN PROV. CHINA.					
		LPB	eL	13 45				
		PNS	ePKP	12 46 44				166.5
			eL	13 45.2				
MAR	16	USCGS	13 07 25.2, 30.1N, 130.5E, H = 72Km., M = 4.4, KYUSHU, JAPAN.					
		LPB	ePKP	13 27 24				
		PNS	ePKP	13 27 24.4				158.3
MAR	16	PNS	eP	16 13 02				
MAR	16	USCGS	17 39 02.9, 13.8N, 60.2W, H = 33Km., M = 4.2, WINDWARD, IS.					
		LPB	eP	17 45 20				
			eL	54				31.3
		PNS	eP	17 45 21				
			eL	54.2				
MAR	16	USCGS	17 49 44.7, 7.3N, 72.8W, H = 103Km., M = 4.1, N. COLOMBIA.					
		LPB	eP	17 54 36				
			eL	18 02				
		PNS	eP	17 54 45.6				23.6
			i	55 18.8		1.0	5	
MAR	16	PNS	P	18 05 26.8		0.8	4	
MAR	16	PNS	iP	19 00 57.2	D			
			S	01 24.8		0.4	5	
MAR	16	PNS	P	22 02 15				
		LPB	eP	22 02 23		0.5	3	
MAR	16	LPB	iP	23 14 56.2	D			
		PNS	P	23 15 00.4		0.8	25	
			S	16 08.6		0.5	5	
MAR	17	USCGS	00 33 34.3, 39.4N, 141.6E, H = 86Km., M = 4.3, HONSHU, JAPAN					
		PNS	ePKP	00 53 04.2				
		LPB	ePKP	00 53 04.6				145.6
MAR	17	USCGS	04 03 13.3, 10.5S, 161.4E, H = 39Km., M = 5.4, SOLOMON IS.					
		LPB	ePKP	04 22 09.3				
			eL	05 02				
		PNS	ePKP	04 22 09.9				123.7
MAR	17	PNS	P	04 45 38		0.8	4	
		LPB	P	04 45 43		0.8	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	17	LPB	eP	05 00 30				
			i	00 35.3		0.8	13	
MAR	17	LPB	iP	05 34 16.2	D			
			eL	54		0.9	27	
		PNS	P	05 24 17.1				
			i	24 35.6		0.6	3	
MAR	17	PNS	P	06 44 38				
			S	45 05.6		0.4	2	
MAR	17	PNS	P	08 03 35.1				
			S	04 14		0.5	3	
MAR	17	USCGS	09 56 34.5, 21.2S, 68.1W, H = 122Km., M = 5.1, CHILE BOLIVIA BOR REG.					
		LPB	iP	09 57 49.7	C	0.8	150	4.6
			Pn	57 56.8				
			eS	58 43				
		PNS	iP	09 57 53.4	C			
			S	58 58				
MAR	17	PNS	eP	10 54 22				
		LPB	eP	10 54 23.5				
			i	54 41.7				
MAR	17	PNS	P	11 38 45.6	C	0.4	2.	
			eS	39 28				
MAR	17	LPB	P	12 08 30.4				
			eS	15 22				
			eL	23				
		PNS	eP	12 08 32.6				
			L	23.4				
MAR	17	USCGS	12 35 48.2, 14.4N, 92.6W, H = 25Km., M = 4.6, NR CST OF CHIAPAS, MEXICO.					
		PNS	eP	12 43 14				
		LPB	eP	12 43 18				
			eL	54				39.1
MAR	17	PNS	eP	13 21 32				
			e(S)	23 36.6				
MAR	17	USCGS	13 51 29.0, 55.1N, 161.7E, H = 22Km., M = 4.5, NR E CST OF KAMCHATKA.					
		LPB	ePKP	14 10 33				
			ePKP	14 10 33.2				126.0
MAR	17	PNS	eP	15 03 54.6				
			eS	04 24				
MAR	17	PNS	eP	15 14 44.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	17	USCGS 15 28 16.5, 19.2N, 121.2E, H = 58Km., M = 4.9, PHILIPPINE IS REG.						
		PNS	ePKP	15 48 24.4				
		LPB	ePKP	15 48 27				
			eL	16 49				170.5
MAR	17	LPB	eP	17 09 44.8				
		PNS	eP	17 09 46				
MAR	17	PNS	iP	18 15 33.3	D			
		LPB	eP	18 15 34.8				
MAR	17	USCGS 20 14 32.8, 3.4N, 128.1E, H = 62Km., M = 5.7, N OF HALMAHERA.						
		LPB	PKP	20 34 28		1.2	37	158.9
			eL	21 30				
		PNS	PKP	20 34 28.4		1.8	7	
			pPKP	34 57.8				
			PKP2	35 06.4				
MAR	18	PNS	eP	00 13 02				
			S	13 45				
MAR	18	PNS	eP	04 34 33.4				
		LPB	eP	04 34 34				
			i	34 36.6				
MAR	18	LPB	eP	05 57 14.5				
		PNS	eP	05 57 37.2				
MAR	18	LPB	eP	06 25 40.2				
MAR	18	USCGS 07 23 02.6, 23.2S, 179.8W, H = 522Km., M = 5.0, FIJI IS.						
		PNS	eP	07 35 53.2				
			pP	40 24.8				
		LPB	eP	07 35 56				
			ePP	40 13.2				101.3
			eL	08 09				
MAR	18	LPB	eP	08 33 09.8				
MAR	18	PNS	e(P)	08 44 23				
		LPB	P	08 44 25.5		1.0	10	
MAR	18	LPB	P	08 48 05		0.7	6	
		PNS	P	08 48 08				
MAR	18	PNS	eP	09 43 51				
			eS	44 18.8				
MAR	18	LPB	eP	11 11 39.5				
MAR	18	PNS	P	11 38 48.9		0.5	3	
MAR	18	PNS	iP	12 06 46.8	C	0.5	9	
			eS	08 03				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	18	PNS	eP	16 20 30				
MAR	18	PNS	eP	16 58 43				
			e(S)	17 02 13		0.6	3	
MAR	18	LPB	eP	17 03 36.3				
		PNS	eP	17 03 41.8		1.1	11	
MAR	18	LPB	eP	17 34 51				
		PNS	P	17 35 13		0.9	7	
MAR	18	PNS	eP	18 02 58		0.5	5	
			S	03 37.3				
MAR	18	USCGS 18 16 03.7, 6.6S, 126.2E, H = 450Km., M = 4.7, BANDA SEA.						
		LPB	ePKP	18 35 00				
			eL	19 29				153.0
MAR	18	PNS	iP	19 53 04.7	D	0.5	6	
			S	53 26.8				
MAR	18	PNS	iP	21 13 31.4	D	0.5	10	
			S	13 52.8				
		LPB	eP	21 13 32		0.6	8	
			S	13 56				
MAR	18	USCGS 21 43 52.8, 15.9S, 178.4E, H = 35Km., M = 4.7, FIJI IS.						
		LPB	eP	21 58 10.5				
			L	22 34				106.5
		PNS	eP	21 58 11				
			L	22 33.9				
MAR	19	PNS	eP	01 11 15.9				
MAR	19	PNS	eP	01 44 47.2		0.7	4	
		LPB	eP	01 44 53.5				
MAR	19	USCGS 01 35 49.2, 17.4S, 172.8W, H = 33Km., M = 5.2, TONGA IS REG.						
		PNS	eP	01 49 24.4				
			ePP	53 26.4				
			SKS	02 00 13				
			L	02 21.5				
		LPB	eP	01 49 25				
			ePP	53 27				98.1
			SKS	02 00 08				
			L	22				
MAR	19	USCGS 02 19 12.7, 15.1N, 60.5W, H = 55Km., M = 5.1, LEEWARD IS.						
		PNS	iP	02 25 38.7	C			
			eL	35.9				
		LPB	iP	02 25 39.1	C	1.2	43	31.5
			eL	35				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	19	USCGS	02 55 38.3,	58.7S,	25.3W,	H = 33Km.,		M = 4.7,
		S SANDWICH IS REG.						
		LPB	P	03 04 51		1.0	12	52.3
		PNS	eP	03 04 53.1		0.7	4	
MAR	19	PNS	P	03 21 02.9	C	0.8	15	
		LPB	iP	03 21 07.5	D	0.9	34	
MAR	19	LPB	P	05 26 15.2		0.9	71	
			eS	26 44.5				
		PNS	P	05 26 24		0.6	11	
			S	26 57.6				
MAR	19	PNS	eP	05 43 12				
MAR	19	LPB	P	06 12 48.3				
		PNS	eP	06 12 50				
MAR	19	LPB	eP	07 40 12				
MAR	19	LPB	eP	07 41 26				
		PNS	eP	07 41 31				
MAR	19	USCGS	07 43 37.8,	37.2N,	33.0W,	H = 33Km.,		M = 5.0,
		AZORES IS REG						
		LPB	eP	07 53 58.5		2.0	59	63.0
			eL	08 14				
		PNS	P	07 54 01.1		1.8	45	
			L	08 14.1				
MAR	19	PNS	iP	08 05 12.4	D			
			S	05 42.7				
		LPB	P	08 05 15.2				
			S	05 49.7				
MAR	19	LPB	P	08 56 37.5				
MAR	19	USCGS	13 24 24.8,	14.4N,	147.6E,	H = 49Km.,		M = 4.8,
		MARIANA IS REG.						
		PNS	PKP	13 44 00		1.2	19	
		LPB	ePKP	13 44 03				145.3
			eL	14 33				
MAR	19	PNS	eP	14 57 56		0.7	3	
			e(S)	59 00				
MAR	19	PNS	eP	16 35 01.2		0.5	3	
MAR	19	USCGS	18 23 35,	1.0S,	134.3E,	H = 33Km.,		M = 5.1,
		NEW GUINEA REG.						
		LPB	iPKP	18 43 30.5	D	1.0	71	151.1
		PNS	PKP	18 43 31.2	C	1.1	54	
MAR	19	PNS	P	19 26 45.1				
			S	27 08.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	19	USCGS	19 17 46.8,	26.4S,	177.4W,	H = 23Km.,		M = 5.1,
		S OF FIJI IS.						
		LPB	ePKP	19 31 40				102.6
			eL	20 06				
		PNS	ePKP	19 31 41.2				
MAR	19	PNS	P	19 48 10.5	D	0.4	4	
MAR	19	PNS	eP	19 57 16.9				
MAR	19	USCGS	20 15 33.2,	14.7N,	92.9W,	H = 43Km.,		M = 4.7,
		NR CST OF CHIAPAS, MEXICO.						
		PNS	eP	20 23 00.1				39.6
MAR	19	LPB	P	20 56 06.2		0.8	30	
MAR	19	LPB	P	21 33 12		0.9	24	
MAR	19	LPB	eP	22 54 55				
		PNS	eP	22 54 55.6				
			e(S)	57 43.4				
MAR	19	LPB	eP	23 13 21				
		PNS	P	23 13 21.3		0.8	5	
MAR	20	USCGS	23 57 10,	16.2S,	167.3E,	H = 28Km.,		
		NEW HEBRIDES IS.						
		LPB	ePKP	00 15 52				115.3
			eL	52				
MAR	20	PNS	iP	01 00 50.4	C	0.7	18	
			S	01 36				
		LPB	iP	01 00 55.7	D	1.0	58	
			S	01 45				
MAR	20	LPB	eP	01 32 47.2		1.0	12	
		PNS	P	01 32 50		0.7	3	
MAR	20	PNS	eP	02 36 04.2				
MAR	20	USCGS	04 10 48.9,	27.6N,	129.8E,	H = 33Km.,		M = 4.8,
		KYUKYU IS.						
		LPB	ePKP	04 30 41				159.6
		PNS	ePKP	04 30 41.4				
MAR	20	LPB	P	05 15 19.9		0.8	7	
		PNS	P	05 15 23.8		0.6	2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	20	USCGS 06 20 30.8, 20.3S, 70.0W, H = 47Km., M = 5.1, NR CST OF N CHILE.						
		LPB	iP	06 21 40.1	C	0.9	730	3.9
			iPP	21 54				
			iS	22 32				
		PNS	iP	06 21 41.4	C			
			S	22 34.4				
MAR	20	LPB	eP	06 51 33		0.9	3	
		PNS	P	06 52 29.9		0.8	5	
MAR	20	LPB	P	07 11 54				
			S	12 26.5				
		PNS	eP	07 12 00				
			S	12 38.6				
MAR	20	LPB	P	07 14 13.6				
			i	14 16				
MAR	20	LPB	P	07 23 48.5				
MAR	20	PNS	eP	07 32 32				
		LPB	eP	07 32 32.7				
MAR	20	USCGS 07 54 40.4, 40.9N, 75.1E, H = 60Km., M = 4.6, KIRGIZ-SINKIANG BOR REG.						
		LPB	ePKP	08 14 11				
			eL	09 01				
		PNS	ePKP	08 14 11.4				
			eL	09 01				
MAR	20	LPB	P	08 34 16				
		PNS	P	08 34 20		0.5	2	
MAR	20	LPB	P	09 39 37.3		1.0	22	
			S	40 09.8				
		PNS	eP	09 39 42				
			S	40 21.6				
MAR	20	USCGS 10 06 14.8, 10.7S, 161.8E, H = 64Km., M = 4.8, SOLOMON IS.						
		PNS	ePKP	10 25 08				
		LPB	ePKP	10 25 09				123.3
			eL	11 05				
MAR	20	LPB	P	10 42 46.5		0.7	35	
		PNS	eP	10 42 46.7				
MAR	20	PNS	eP	10 52 03.8				
MAR	20	LPB	P	10 55 43.2				
		PNS	P	10 55 51.5		1.0	5	
MAR	20	PNS	eP	11 12 54				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	20	LPB	eP	11 35 39				
			L	44.7				
		PNS	P	11 35 45.9		0.8	5	
			eL	44.9				
MAR	20	USCGS 11 34 56.3, 44.3N, 148.3E, H = 23Km., M = 4.5, KURILE IS.						
		PNS	ePKP	11 54 23.6				
		LPB	ePKP	11 54 25				138.9
			eL	12 40				
MAR	20	USCGS 12 13 08.4, 51.4N, 177.7E, H = 45Km., M = 5.1, RAT IS, ALEUTIAN IS.						
		LPB	ePKP	12 31 55				117.9
			eL	13 09.				
		PNS	ePKP	12 31 55.4				
MAR	20	LPB	eP	12 39 50				
		PNS	eP	12 39 56.5				
MAR	20	LPB	eP	16 34 48				
			eL	45				
		PNS	eP	16 35 55				
			L	44.7				
MAR	20	USCGS 19 02 50.3, 0.6S, 34.4E, H = 33Km., LAKE VICTORIA REG.						
		PNS	eP	19 16 36.2				101.3
MAR	20	LPB	eP	19 55 11.5				
		PNS	eP	19 55 13.4		0.7	5	
MAR	20	PNS	eP	20 15 13.4		0.8	5	
		LPB	eP	20 15 14.5				
			S	15 55.5				
MAR	20	PNS	P	20 18 52.4		0.7	12	
			S	19 43				
		LPB	P	20 18 56.2	D	0.8	76	
			S	19 44.2				
MAR	20	PNS	P	21 33 05.0		0.6	3	
MAR	20	USCGS 22 00 00.9, 6.1S, 71.3E, H = 33Km., M = 5.3, CHAGOS ARCHIPELAGO REG.						
		LPB	ePKP	22 19 18.5				133.1
			eL	23 03				
		PNS	ePKP	22 19 20.9				
MAR	20	PNS	eP	22 38 02				
		LPB	eP	22 38 04				
MAR	20	PNS	iP	23 56 48.9		0.4	7	
			S	57 15.2				
		LPB	eP	23 56 49.5		0.9	8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	21	USCGS 00 40 59.1, 36.0N, 140.4E, H = 64Km., M = 4.4, NR E CST HONSHU, JAPAN.						
		LPB	PKP	01 00 37.1		1.0	18	148.0
			pPKP	00 55.4				
			eL	51.2				
		PNS	P	01 00 38.6		0.9	6	
			pPKP	00 53.0				
MAR	21	USCGS 01 04 01.7, 14.0N, 143.9E, H = 137Km, M = 4.6, MARIANA IS REG.						
		PNS	ePKP	01 23 36.5		1.2	10	
			e	24 21.7				
		LPB	PKP	01 23 37.2		1.2	22	148.9
			eL	02 15				
MAR	21	PNS	P	01 33 15.9		0.5	4	
MAR	21	PNS	eP	02 10 32				
		LPB	eP	02 10 39.5				
MAR	21	USCGS 02 45 55.5, 37.8N, 72.5E, H = 131Km., M = 4.8, TADZHIK SSR.						
		LPB	ePKP	03 05 07				139.5
			eL	52				
MAR	21	PNS	eP	03 50 53				
MAR	21	PNS	P	03 54 52.9		0.6	2	
MAR	21	PNS	iP	06 25 30.0	D			
			S	25 55.6				
		LPB	P	06 25 30.6	D	0.9	29	
			S	25 58.7				
MAR	21	LPB	eP	07 26 18				
MAR	21	LPB	eP	07 28 14.5		0.7	8	
		PNS	P	07 28 18.7		0.6	3	
			eS	28 58				
MAR	21	PNS	eP	08 04 01.2				
MAR	21	LPB	eP	08 26 39				
			e	26 54.3				
MAR	21	PNS	P	10 27 46.4		0.5	7	
MAR	21	PNS	eP	10 42 55				
			S	43 55.4				
		LPB	eP	10 43 06				
MAR	21	LPB	eP	11 01 49.5		1.3	38	
		PNS	eP	11 01 54.5				
MAR	21	PNS	eP	12 11 32.3				
			eS	13 04				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	21	PNS	P	14 51 51.2				
			S	52 21				
		LPB	P	14 51 56.3		0.8	25	
			S	52 27.2				
MAR	21	USCGS 14 58 31.6, 21.1S, 174.0E, H = 41Km., M = 4.4, NEW HEBRIDES IS REG.						
		LPB	eP	15 12 51				108.4
		PNS	eP	15 12 54				
MAR	21	PNS	eP	17 35 31				
MAR	21	LPB	eP	18 13 29				
		PNS	eP	18 13 30				
MAR	21	USCGS 18 00 42.7, 53.1N, 166.6W, H = 33Km., M = 4.0, FOX IS., ATEUTIAN IS.						
		LPB	eP	18 15 05				108.2
MAR	21	LPB	iP	18 20 31.2		0.9	34	
		PNS	P	18 20 35.7				
			S	21 26				
MAR	21	PNS	iP	18 35 34.2	C	0.6	7	
			S	36 29.2				
MAR	21	USCGS 21 24 49.4, 1.1S, 78.7W, H = 39Km., M = 4.2, ECUADOR						
		LPB	eP	21 29 00				18.0
			eL	34				
		PNS	eP	21 29 01.6				
			eL	33.6				
MAR	21	PNS	P	22 11 37.7		0.5	3	
MAR	21	PNS	P	22 34 39.2,		0.5	7	
			S	35 03				
MAR	21	PNS	eP	22 38 10				
MAR	22	USCGS 01 55 43.5, 20.4S, 69.0W, H = 96Km., M = 5.5, N CHILE.						
		LPB	iP	01 56 48.8	C			4.0
			iS	57 38.5				
			ScS	02 11 08				
		PNS	iP	01 56 51.2	C			
			S	57 43				
			iScS	02 11 04				
MAR	22	LPB	eP	02 59 06.8				
			eS	59 43.6				
		PNS	P	02 59 12.9		0.4	2	
			S	59 56				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	22	LPB	P	03 20 04.7		0.6	17	
MAR	22	USCGS	03 24 04.8, 13.2S, 74.7W, H = 104Km., M = 4.4, PERU.					
		PNS	iP	03 25 44.4	D			
		LPB	P	03 25 49.3	D	0.8	52	7.1
MAR	22	LPB	P	04 07 26.5		0.8	10	
		PNS	P	04 07 28.8		0.5	4	
			S	08 12.4				
MAR	22	LPB	iP	04 15 01.7		0.6	11	
		PNS	iP	04 15 06.3	D			
			eS	16 28.4				
MAR	22	USCGS	04 15 52.0, 22.3S, 67.9N, H = 146Km., M = 4.7, CHILE-BOLIVIA BOR REG.					
		LPB	P	04 17 16.6		0.8	57	5.9
			pP	17 30				
			i	18 05.3				
			S	18 15.6				
		PNS	P	04 17 20.4	C	0.8	20	
			pP	17 39				
MAR	22	PNS	P	06 54 48.9		0.5	2	
MAR	22	USCGS	09 15 12.3, 13.1N, 145.5E, H = 50Km., M = 5.4, MARIANA IS.					
		LPB	PKP	09 34 52.1		1.3	76	148.1
			pPKP	35 07.4				
			eL	10 26				
		PNS	ePKP	09 34 52.4		1.1	16	
			ePKS	38 30.7				
			eL	10 25				
MAR	22	PNS	P	14 57 23.3				
			S	57 45.8				
MAR	22	PNS	iP	15 11 13	C	1.2	27	
MAR	22	PNS	eP	15 23 49.8		0.9	5	
MAR	22	PNS	iP	15 27 40.4	C	0.6	10	
MAR	22	PNS	P	16 08 48.7				
MAR	22	USCGS	18 39 32.7, 20.9S, 68.4W, H = 138Km., M = 5.0, CHILE- BOLIVIA BOR REG.					
		LPB	iP	18 40 39.6	C	0.7	34	4.5
			iS	41 33				
		PNS	iP	18 40 42.9	D			
			S	41 23				
			ScS	53 24				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	22	LPB	eP	18 53 32				
		PNS	eP	18 53 41.7		0.8	5	
MAR	22	LPB	eP	19 38 41.5				
		PNS	eP	19 38 53		1.0	6	
MAR	22	PNS	iP	19 48 44.1	C	0.5	5	
			S	49 14				
		LPB	e(P)	19 48 49.5				
MAR	22	PNS	P	20 36 28		1.0	12	
			i	36 35.2				
			L	45.7				
		LPB	eP	20 36 29				
MAR	22	PNS	eP	20 49 23.7				
MAR	22	USCGS	20 34 45.3, 37.4N, 142.4E, H = 18Km., M = 5.3, OFF E SCT OF HONSHU, JAPAN.					
		LPB	PKP	20 54 26.6		1.0	32	146
			i	54 50.6				
			eL	44				
		PNS	ePKP	20 54 26.7		1.4	33	
			eL	21 44.4				
MAR	22	LPB	P	21 18 05.5		1.0	12	
		PNS	eP	21 18 11		0.5	2	
			S	18 44.4				
MAR	22	LPB	eP	22 11 40				
		PNS	P	22 11 57.4		0.5	3	
			S	12 19.8				
MAR	23	USCGS	00 00 34.3, 56.5N, 162.3W, H = 129Km., M = 4.7, BRISTOL BAY.					
		LPB	eL	00 51				106.1
MAR	23	LPB	eP	03 22 13				
MAR	23	LPB	eP	03 28 49.5		1.0	14	
MAR	23	PNS	P	04 39 30.5		0.7	4	
MAR	23	PNS	eP	05 03 48.4				
		LPB	P	05 03 50.5				
MAR	23	LPB	eP	07 34 55.5				
MAR	23	LPB	eP	08 55 04.5				
MAR	23	PNS	P	09 53 40.2		0.5	8	
		LPB	eP	09 53 49				
MAR	23	PNS	P	13 27 48.3		0.5	2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	23	USCGS 14 07 53.0, 21.8N, 144.8E, H = 33Km., M = 4.7, MARIANA IS REG.						
		PNS	ePKP	14 27 36.8				
		LPB	ePKP	14 27 40.5				
			eL	15 18				148.1
MAR	23	PNS	eP	15 33 12.9		0.8	5	
MAR	23	PNS	eP	16 34 51.7		0.8	4	
MAR	23	PNS	P	16 35 53.9		0.5	3	
MAR	23	PNS	P	16 37 33.3	C	0.5	6	
			S	38 03.6				
MAR	23	USCGS 16 49 0 .8, 6.8N, 73.0W, H = 160Km., M = 4.4, N COLOMBIA.						
		PNS	P	16 54 05.7		0.8	15	
			pP	54 39.9				
		LPB	P	16 54 09		1.1		
			eL	17 01				23.4
MAR	23	LPB	P	16 57 47				
			S	58 10.5				
		PNS	iP	16 58 11.5	D	0.6	6	
			S	58 33.6				
MAR	23	PNS	eP	17 03 45.6		0.8	5	
MAR	23	LPB	eP	18 45 45				
		PNS	eP	18 45 48				
MAR	23	LPB	eP	19 34 30.2				
		PNS	P	19 34 45.4		0.4	2	
MAR	23	LPB	eP	20 29 48				
			i	30 00.7				
		PNS	eP	20 29 49.8				
MAR	23	LPB	eP	21 50 55				
			i	51 53				
		PNS	P	21 50 57.5				
MAR	23	PNS	P	22 33 51		0.7	3	
MAR	23	LPB	P	23 51 41.3				
		PNS	P	23 51 42		0.7	13	
MAR	24	LPB	eP	00 57 33.5		1.0	8	
MAR	24	PNS	eP	01 34 25.4				
			eS	36 16				
		LPB	eP	01 34 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	24	USCGS 02 51 40.9, 18.0N, 95.5W, H = 104Km., M = 4.7, VERA CRUZ, MEXICO.						
		PNS	P	02 59 34.3		0.5	3	
		LPB	P	02 59 37.5		1.0	6	43.6
MAR	24	PNS	eP	04 04 38.2				
			S	05 24				
MAR	24	LPB	eP	05 31 41				
		PNS	P	05 31 44.6				
			eS	32 01				
MAR	24	LPB	eP	07 09 34.5				
		PNS	eP	07 09 52.9		0.9	5	
MAR	24	USCGS 07 12 47.4, 1.3S, 24.2W, H = 33Km., M = 5.4, CENTRAL MID-ATLANTIC RIDGE.						
		LPB	P	07 21 09.3		1.0	50	45.9
			pP	23 07				
			eS	27 55				
			SS	31 20				
			L	35				
		PNS	iP	07 21 11.3	C	1.5	79	
			pP	23 10				
			S	28 02				
			SS	31 25				
			L	34.8				
MAR	24	PNS	P	07 44 06.7		1.2	10	
MAR	24	LPB	eP	07 56 28				
MAR	24	PNS	eP	08 04 53				
		LPB	eP	08 04 58.5		1.0	8	
MAR	24	LPB	eP	08 26 41				
MAR	24	LPB	eP	09 48 26.5				
MAR	24	PNS	iP	10 16 34.2	C			
			S	17 04.3				
MAR	24	LPB	eP	10 25 30				
		PNS	iP	10 25 35	D	0.4	7	
			S	25 58.6				
MAR	24	LPB	iP	14 24 10.3		1.0	32	
			S	25 18.6				
		PNS	iP	14 24 14.3	C	0.6	5	
			S	25 25				
MAR	24	USCGS 11 56 03.4, 38.1N, 118.3W, H = 1Km., CALIFORNIA-NEVADA BOR REG.						
		LPB	eP	11 06 26				66.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	24	USCGS	15 00 00.1,	52.8S, 21.5E,	H = 33Km.,	M = 4.7,		
		S OF AFRICA.						
		LPB	eP	15 11 49				76.6
			eL	37				
		PNS	eP	15 11 53				
MAR	24	PNS	P	15 21 39.5		0.7	3	
			S	22 44				
MAR	24	USCGS	15 58 49,	32.1N, 130.6E,	H = 4KM.,	M = 5		
		KYUSHU, JAPAN.						
		LPB	ePKP	16 18 47				156.6
			eL	17 13				
		PNS	ePKP	16 18 48.8				
MAR	24	USCGS	16 21 04.7,	32.1N, 130.7E,	H = 33Km.,	M = 4.9,		
		KYUSHU, JAPAN.						
		LPB	ePKP	16 41 03				
		PNS	ePKP	16 41 04				156.6
MAR	24	USCGS	17 13 20.0,	12.5N, 86.5W,	H = 79Km.,	M = 5.1,		
		NICARAGUA.						
		PNS	eP	17 19 53				
			S	25 13				
			L	30.4				
		LPB	eP	17 19 58		1.1	10	34.1
			S	25 20				
			eL	30				
MAR	24	PNS	P	17 29 17.4		0.6	3	
MAR	24	LPB	P	19 19 16.7		1.0	34	
			S	19 41				
		PNS	iP	19 19 20.5	C	0.8	17	
			S	20 48.2				
MAR	24	LPB	eP	19 39 29.6		0.9	7	
MAR	24	LPB	P	20 28 32.6				
		PNS	P	20 28 40.6		0.7	9	
MAR	24	LPB	eP	21 09 28.6				
		PNS	eP	21 10 11.2				
MAR	24	LPB	P	21 49 04.3				
		PNS	P	21 49 05.6				
MAR	24	LPB	eP	22 07 13				
		PNS	P	22 07 18.4		0.7	6	
MAR	24	PNS	P	22 30 32.7		0.5	3	
MAR	24	LPB	P	22 51 52		0.6	4	
		PNS	eP	22 51 56				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	25	LPB	P	00 12 28				
			eS	21 32		1.0	22	
			L	33.8				
		PNS	P	00 12 28.4				
			S	21 30		1.0	10	
			eL	33.9				
MAR	25	PNS	P	00 25 46.2				
			S	26 32.8		0.5	4	
		LPB	eP	00 25 52.5				
			S	26 27.2				
MAR	25	PNS	eP	00 50 48.5				
MAR	25	PNS	iP	01 08 04.9				
			S	08 29	C	0.6	11	
		LPB	P	01 08 06.7				
MAR	25	USCGS	02 56 37.1,	20.0S, 168.9E,	H = 21Km.,	M = 5.0,		
		LOYALTY IS.						
		LPB	ePKP	02 15 16				
MAR	25	LPB	eP	02 40 35.5				113.2
MAR	25	LPB	P	04 10 24		0.7	4	
		PNS	P	04 10 27		0.7	10	
MAR	25	LPB	eP	04 39 52.3				
MAR	25	PNS	eP	04 55 22				
		LPB	eP	04 55 23.5		0.8	6	
MAR	25	PNS	eP	05 22 35				
		LPB	eP	05 22 37				
MAR	25	PNS	iP	10 41 28.8	D			
			S	41 52.6				
MAR	25	PNS	P	10 49 04.6				
			S	49 30.8		0.6	3	
MAR	25	PNS	iP	11 41 56.3	C			
			(S)	42 27.6				
		LPB	eP	11 42 01.8	D	0.8	109	
MAR	2	LPB	eL	12 27				
		PNS	eP	12 18 51.4				
			eL	27.1		1.1	8	
MAR	25	PNS	P	12 35 55				
MAR	25	PNS	P	13 41 48.1				
			L	51		1.1	15	
		LPB	P	13 41 51.6				
			eL	51		1.0	20	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	25	PNS	eP	14 20 03.8		0.6	3	
MAR	25	PNS	eP	15 27 35.3				
			S	28 06.4				
MAR	25	PNS	eP	16 36 54.2		0.5	3	
MAR	25	USCGS 16 32 05.2, 15.2N, 92.0W, H = 60Km., M = 5.1, MEXICO-GUATEMALA BOR REG.						
		PNS	eP	16 39 23		0.9	9	
			pP	39 42				
		LPB	eP	16 39 27				
			eL	51.8				
MAR	25	USCGS 17 52 48.2, 2.2N, 85.1W, H = 33Km., M = 4.7, OFF CST OF CENTRAL AMERICA.						
		PNS	P	17 58 06.3		1.4	41	
			L	18 06.9				
		LPB	eP	17 58 11.2				
			eL	18 05		1.0	26	24.7
MAR	25	PNS	eP	18 19 25.3		0.6	5	
			S	20 33				
			L	20.9				
MAR	25	LPB	eP	18 55 17.5				
		PNS	P	18 55 35.8		1.1	11	
MAR	25	PNS	P	19 05 53.8		0.6	5	
			S	06 34.5				
MAR	25	USCGS 20 41 00.7, 6.3S, 130.0E, H = 81Km., BANDA SEA.						
		LPB	PKP	21 00 47.3		1.0	20	152.2
			eL	53				
		PNS	PKP	21 00 48	D	0.9	11	
			eL	52.8				
MAR	25	USCGS 21 15 48.4, 6.5S, 129.9E, H = 78Km., M = 4.0, BANDA SEA.						
		LPB	ePKP	21 35 33.5		1.0	20	151.1
		PNS	PKP	21 35 34.5				
MAR	26	USCGS 00 10 26.7, 34.4N, 140.2E, H = 81Km., M = 4.1, NR E CST OF HONSHU, JAPAN.						
		LPB	ePKP	00 30 07.5				149.1
MAR	26	PNS	iP	00 31 32.6	D	0.3	3	
			S	31 54.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	26	USCGS 00 41 56.9, 6.6S, 116.1E, H = 520Km., M = 5.9, BALI SEA.						
		LPB	iPKP	01 00 55.4	D	1.0	122	156.4
			iPKP2	01 28.2				
			eSKS	07 52				
			SS	25 22				
			eL	56				
		PNS	iPKP	01 00 55.9	D	1,4	142	
			PKP2	01 29				
			SS	25 23				
			L	56				
MAR	26	USCGS 02 17 43.7, 10.5S, 165.8E, H = 98Km., M = 4.0, SANTA CRUZ.						
		LPB	ePKP	02 36 23				119.8
MAR	26	USCGS 04 19 11.2, 1.0S, 22.1W, H = 33Km., M = 4.9, CENTRAL MID-ATLANTIC RIDGE.						
		LPB	P	04 27 48.4		1.1	20	47.7
			eL	42				
		PNS	P	04 27 50.8	D	0.9	10	
			eL	42				
MAR	26	LPB	P	04 48 09		1.0	20	
		PNS	iP	04 48 12.8	C	0.8	11	
MAR	26	USCGS 04 42 19.6, 29.6N, 51.4E, H = 33Km., M = 4.9, S IRAN.						
		LPB	ePKP	05 01 22.5				123.3
MAR	26	USCGS 04 51 02.5, 16.3S, 167.8E, H = 22Km., M = 5.1, NEW HEBRIDES IS.						
		LPB	ePKP	05 09 46				
			eL	45				115.6
MAR	26	LPB	P	05 58 19		0.8	13	
			i	58 21.7				
			S	58 54.2				
MAR	26	PNS	eP	06 30 41.6				
		LPB	eP	06 30 44		1.0	8	
MAR	26	LPB	eP	07 32 08				
		PNS	eP	07 32 43.5				
			eS	33 21.8				
MAR	26	USCGS 10 41 56.6, 32.6N, 141.6E, H = 46Km., M = 4.7, S OF HONSHU, JAPAN.						
		PNS	ePKP	11 01 38.4		2.0	66	
			eL	54.9				
		LPB	PKP	11 01 40.8		2.0	108	149.4
			eL	53				
MAR	26	PNS	eP	11 23 32.8				
MAR	26	PNS	eP	16 19 06.8				
			S	19 55.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	26	LPB	eP	16 35 23				
		PNS	P	16 35 26		0.5	2	
MAR	26	USCGS	17 09 29.5, 39.5N, 25.6E, H = 33Km., M = 4.2, AEGEAN SEA.					
		LPB	P	17 23 21.2				103.0
MAR	26	PNS	P	17 44 32.8		1.1	14	
			eL	54.8				
		LPB	P	17 44 34.2		1.1	32	
			e	44 55.7				
			eL	55				
MAR	26	USCGS	19 40 42.1, 8.1N, 126.3E, H = 83Km., M = 5.4, MINDANAO, PHILIPPINE IS.					
		PNS	PKP	20 00 39.6	D	1.8	136	
			i	01 03				
			pP	05 36				
			SS	26 32				
			eL	58				
		LPB	PKP	20 00 39.8		1.8	172	163.6
			i	01 03.3				
			pP	05 39				
			eSS	26 22				
			eG	49				
			eL	59				
MAR	26	PNS	P	21 26 03.7		0.8	6	
			eL	30.9				
		LPB	eP	21 26 05				
MAR	26	USCGS	21 24 59.3, 30.3S, 178.0W, H = 60Km., M = 4.9, KERMADEC IS.					
		LPB	ePKP	21 38 20				97.6
MAR	26	LPB	P	21 52 24.6		0.5	15	
			i	52 26.4				
MAR	26	USCGS	21 55 20.3, 5.4N, 75.7W, H = 107Km., M = 4.1, COLOMBIA.					
		LPB	eP	22 00 17.5				
			eL	06.7				22.5
		PNS	eP	22 00 20.2		0.7	3	
			eL	06.2				
MAR	26	PNS	eP	22 29 17				
		LPB	eP	22 29 24.5				
MAR	27	LPB	eP	00 05 18.5		1.0	10	
			eL	47				
MAR	27	USCGS	01 25 44.7, 49.6N, 152.8E, H = 228Km., M = 4.4, NW OF KURILE IS.					
		LPB	eL	02 29				133.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	27	PNS	P	01 47 01		0.6	5	
			S	48 02				
		LPB	eP	01 47 02.3				
			i	47 09.3				
			S	48 09				
MAR	27	PNS	eP	01 54 05.8				
MAR	27	USCGS	03 56 06.8, 1.1S, 15.4W, H = 33Km., M = 4.8, N OF ASCENSION IS.					
		PNS	eP	04 05 27				
			eL	21				
		LPB	eP	04 05 29.7				54.2
			eL	22				
MAR	27	USCGS	03 38 07.9, 32.4N, 141.7E, H = 33Km., M = 4.3, S OF HONSHU, JAPAN.					
		LPB	ePKP	04 07 48				
		PNS	ePKP	04 07 51				148.5
MAR	27	PNS	P	04 22 21.2				
MAR	27	USCGS	04 52 42.9, 47.9N, 154.0E, H = 24Km., M = 5.4, KURILE IS.					
		LPB	ePKP	05 11 57.2				
			eL	55.7				133.1
		PNS	ePKP	05 12 00				
MAR	27	LPB	eP	05 55 47				
MAR	27	PNS	P	13 36 30.0		0.4	5	
			S	37 10				
MAR	27	PNS	eP	13 42 33				
MAR	27	LPB	eP	14 10 04.3		1.0	40	
MAR	27	PNS	P	15 00 10.9	C	0.3	11	
			S	00 32.2				
MAR	27	PNS	eP	15 42 38.4				
MAR	27	LPB	P	16 41 46.8		0.7	20	
MAR	27	USCGS	17 05 53.1, 34.0N, 141.3E, H = 33Km., M = 4.1, OFF E CST OF HONSHU, JAPAN.					
		LPB	ePKP	17 25 35				
			eL	18 16				148.5
		PNS	PKP	17 25 38.2				
MAR	27	LPB	eP	17 55 11				
		PNS	P	17 55 13.4		0.9	11	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	27	USCGS 18 53 31.5, 40.9N, 138.0E, H = 27Km., M = 5.4, E SEA OF JAPAN.						
		PNS	PKP	19 13 12.8		1.0	31	
			PKP2	13 21.8				
			eL	04				
		LPB	ePKP	19 13 13				147.0
			ePKP2	13 20				
			eL	20 04				
MAR	27	PNS	P	19 47 54.6				
		LPB	eP	19 48 46.2				
MAR	27	PNS	P	20 35 02.8				
MAR	27	USCGS 21 11 00.9, 25.5S, 179.6E, H = 525Km., M = 5.0, S OF FIJI IS.						
		LPB	eL	21 57.3				
		PNS	eL	21 57.4				101.7
MAR	27	USCGS 22 36 43.3, 4.3S, 133.3E, H = 33Km., M = 5.5, NEW GUINEA REG.						
		LPB	ePKP	22 56 34.5		1.2	68	150.3
			i	56 38.8				
			PKP2	56 49.3				
			eSS	23 19 13				
			eL	48				
		PNS	PKP	22 56 35.8		1.0	9	
			i	56 38.8				
			SKS	23 03 34				
			SS	19 10				
			eG	38.1				
			eL	47.8				
MAR	27	PNS	eP	23 06 03.3				
			e	06 51				
		LPB	eP	23 06 50				
MAR	28	USCGS 01 07 37.6, 15.1N, 92.1W, H = 111Km., M = 5.2, MEXICO-GUATEMALA BOR REG.						
		PNS	P	01 14 55.6	D	1.2	25	
			pP	15 15.1				
			PP	15 37.2				
			S	20 48				
			SS	23 54				
			L	26				
		LPB	P	01 14 58.7		0.9	39.6	
			ipP	14 19.6				
			PP	16 34				
			S	20 54				
			SS	23 59				
			eL	26.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	28	USCGS 02 00 35.7, 10.6S, 77.0W, H = 50Km., M = 4.2, NR CST OF PERU.						
		LPB	eP	02 03 06				
			eL	05.6				10.1
		PNS	eP	02 03 10.6				
MAR	28	USCGS 04 09 35.8, 58.4N, 153.6W, H = 54Km., M = 3.9, KODIAK IS REG.						
		LPB	eP	04 23 23				
			eL	58				101.7
MAR	28	LPB	eP	04 43 23		1.0	10	
		PNS	P	04 43 25.7		0.9	9	
MAR	28	USCGS 04 48 12.6, 41.4N, 113.3W, H = 33Km., UTAH.						
		LPB	eP	05 00 09				
			eL	22				71.0
		PNS	eP	05 00 14.6				
MAR	28	LPB	eP	05 50 05.7		0.9	5	
		PNS	eP	05 50 06.7				
MAR	28	USCGS 05 45 06.6, 10.8S, 166.0E, H = 42Km., M = 5.2, SANTA CRUZ IS.						
		PNS	PKP	06 03 55.2		1.0	8	
		LPB	ePKP	06 03 55.4				
			eL	42				119.7
MAR	28	LPB	eP	06 19 33.3				
		PNS	P	06 19 44.5		0.7	4	
MAR	28	PNS	P	06 35 17.6		1.1	8	
		LPB	P	06 35 18.5		1.0	16	
MAR	28	LPB	P	07 46 50				
		PNS	P	07 46 50.6		0.9	5	
MAR	28	USCGS 07 39 57.1, 37.9N, 20.9E, H = 6Km., M = 5.4, IONIAN SEA.						
		LPB	eP	07 53 30				
			ePP	57 48				99.3
			eSKS	08 04 18				
			eSS	12 09				
			eL	27				
		PNS	eP	07 53 36.5				
			ePP	57 44				
			SKS	08 04 20				
			PS	06 50				
			SS	12 12				
			SSS	16 28				
			eL	27.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	28	PNS	eP	08 10 07.5				
MAR	28	LPB	eP	10 06 14.6				
		PNS	eP	10 06 19				
			eS	08 09				
MAR	28	LPB	P	11 19 54.2		0.7	7	
MAR	28	USCGS 12 44 38.0, 2.6N, 101.8W, H = 33Km., M = 4.9, CENTRAL PACIFIC OCEAN.						
		PNS	eP	12 51 52.9				
			S	57 15		1.4	37	
			SS	13 00 39				
			L	03.4				
		LPB	eP	12 51 56				
			SS	13 00 45		1.0	22	38.0
			eL	03.5				
MAR	28	USCGS 13 37 50.2, 34.9S, 69.4W, H = 171Km., M = 5.3, CHILE-ARGENTINA BOR REG.						
		LPB	iP	13 41 55.5				
			S	45 16		0.9	20	18.1
			eL	46.7				
		PNS	P	13 41 58				
			iS	45 21				
			eL	47.7				
MAR	28	PNS	eP	13 49 38.2				
MAR	28	LPB	P	14 23 36.2				
			e	23 43		0.8	14	
			S	24 19.5				
		PNS	iP	14 23 39.1	C			
			S	25 03				
MAR	28	LPB	eP	14 35 16.5				
MAR	28	PNS	eP	15 13 17				
MAR	28	LPB	P	15 34 30.7		0.9	25	
		PNS	P	15 34 32.4		1.1	12	
			S	37 51.5				
			eL	39.2				
MAR	28	PNS	P	16 44 02.5				
			S	44 39		0.5	6	
MAR	28	USCGS 16 37 46.8, 39.6N, 20.4E, H = 18Km., M = 4.8, GREECE-ALBANIA BOR REG.						
		LPB	eL	17 26				100.1
MAR	28	PNS	P	19 03 40.0				
			e	03 50.6				
			S	04 02.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	28	PNS	eP	19 05 04				
MAR	28	PNS	P	20 13 10.3				
			S	13 33.9		0.3	2	
MAR	28	LPB	P	20 29 38.6		0.9	10	
MAR	28	USCGS 21 21 33.9, 34.0N, 116.1W, H = 10Km., M = 4.1, S CALIFORNIA.						
		LPB	eL	21 54				
		PNS	eL	21 54.1				67.5
MAR	28	LPB	P	21 59 54.5				
		PNS	P	21 59 55.5				
			S	22 00 39		0.4	5.	
MAR	28	LPB	eP	22 24 57.5		0.6	8	
MAR	28	LPB	eP	22 59 22.7		0.9	8	
MAR	28	USCGS 22 57 07.4, 6.3S, 151.4E, H = 53Km., M = 4.6, NEW BRITAIN REG.						
		LPB	ePKP	23 16 17				
			eL	24 01				134.1
		PNS	ePKP	23 16 24.2		0.8	6	
MAR	29	PNS	eP	00 05 50.8				
		LPB	eP	00 05 54.5				
MAR	29	LPB	P	02 15 29.1				
			eL	46		0.9	29	
		PNS	P	02 15 32.9				
			eL	41.8		0.9	13	
MAR	29	PNS	P	03 28 13.7				
			S	28 36		0.7	7	
		LPB	eP	03 28 16.5				
			S	28 39.5				
MAR	29	LPB	P	03 31 10.7		0.7	6	
MAR	29	PNS	iP	04 10 56.5,	D	0.6	9.	
			S	11 22.1				
		LPB	P	04 10 57	D	0.7	6	
MAR	29	PNS	P	05 29 40.5		2.3	116	
			i	30 04.8				
			iS	35 16				
			L	39.1				
		LPB	P	05 29 41.7				
			eS	35 15.5				
			eL	39				
MAR	29	LPB	P	06 37 13.5				
MAR	29	LPB	eP	06 42 01.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	9	LPB	eP	06 54 05.5				
		PNS	P	06 54 07.8		1.0	4	
MAR	29	LPB	eP	07 42 21		1.0	6	
MAR	29	LPB	eP	08 13 25.8				
MAR	29	LPB	P	09 34 36.3		0.6	14	
			S	35 49.6				
		PNS	P	09 34 40.4		0.7	5	
			S	35 56.6				
MAR	29	PNS	iP	10 03 10.6		0.5	7	
			S	03 33.2				
MAR	29	PNS	P	11 35 45.5		1.0	7	
MAR	29	PNS	eP	12 07 52				
MAR	29	LPB	eP	13 14 20				
		PNS	P	13 14 20.5		0.9	4	
MAR	29	PNS	eP	13 59 03.9				
		LPB	eP	13 59 04.3				
MAR	29	USCGS	14 30 05.1, 40.3N, 144.7E, H = 41Km., M = 4.8, OFF E CST OF HONSHU, JAPAN.					
		LPB	ePKP	14 49 37		1.1	12	143
			eL	15 38				
		PNS	PKP	14 49 37.7				
MAR	29	PNS	eP	15 16 25.5				
MAR	29	USCGS	17 42 06.3, 14.2N, 144.9E, H = 116Km., M = 4.5, MARIANA IS.					
		LPB	PKP	18 01 14		0.9	7	148.0
			eL	52				
		PNS	PKP	18 01 42				
MAR	29	PNS	P	18 38 00.1				
			eS	38 23				
MAR	29	PNS	eP	18 50 41				
			S	51 12				
MAR	29	USCGS	19 00 34.6, 36.6N, 70.4E, H = 209Km., M = 4.7, HINDU KUSH REG.					
		LPB	eL	20 06				138.3
MAR	29	PNS	P	19 24 24.7		1.4	13	
		LPB	P	19 24 33.4		1.0	12	
MAR	29	PNS	P	20 25 19.3		1.0	11	
			eL	35.2				
		LPB	P	20 25 24.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	29	PNS	eP	20 36 31				
MAR	29	USCGS	20 32 01.2, 18.8N, 64.8W, H = 60Km., M = 4.7, VIRGIN IS.					
		PNS	P	20 38 49.3		0.8	5	
			eL	49.6				
		LPB	eP	20 38 52				35.1
			eL	49				
MAR	29	LPB	eP	21 34 45.5				
		PNS	P	21 34 47		0.8	10	
MAR	29	LPB	eP	23 01 10				
		PNS	eP	23 01 37.3				
			e	02 10.5				
MAR	30	LPB	eP	00 27 21				
		PNS	eP	00 27 23				
MAR	30	LPB	P	00 38 39.2		0.5	6	
			S	39 12.8				
		PNS	eP	00 38 47.9		0.5	3	
			S	39 23.4				
MAR	30	USCGS	00 44 20.9, 21.5S, 179.4W, H = 626Km., M = 4.6, OF TONGA IS.					
		PNS	eP	00 58 33				
		LPB	eP	00 58 39				102.6
MAR	30	LPB	eP	02 53 33				
		PNS	eP	02 53 34		0.5	2	
MAR	30	LPB	eP	02 54 22.5				
		PNS	P	02 54 43.4		1.0	4	
			i	54 52				
			eL	03 15				
MAR	30	LPB	P	03 44 24.2		0.8	10	
			S	44 40.3				
MAR	30	PNS	iP	03 55 43.4	D			
			iS	56 06.8				
MAR	30	LPB	eP	04 03 19.2				
MAR	30	LPB	P	04 15 36.7				
MAR	30	LPB	eP	06 12 22.3				
		PNS	eP	06 13 12.7				
MAR	30	LPB	eP	08 01 29.4		0.8	4	
		PNS	eP	08 01 31				
MAR	30	LPB	P	09 23 29.6		0.8	12	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	30	PNS	iP	09 29 45.5		0.5	3	
			S	30 09				
MAR	30	USCGS 11 31 31.8, 12.6W, 142.9E, H = 121Km., M = 4.5, MARIANA IS.						
		LPB	eL	12 43				149.4
		PNS	ePKP	11 51 14				
MAR	30	USCGS 12 39 22.7, 41.7S, 85.2E, H = 33Km., M = 4.8, SE INDIA RISE.						
		PNS	ePKP	12 58 09.2				
		LPB	ePKP	12 58 10				
			eL	13 35				
MAR	30	LPB	eP	12 56 45		0.9	15	
		PNS	P	12 56 51.7		0.9	11	
MAR	30	PNS	eP	13 07 12.9				
MAR	30	LPB	P	14 18 05.7		0.9	14	
		PNS	eP	14 18 06.6				
MAR	30	PNS	eP	14 22 56				
			S	23 57.8				
MAR	30	USCGS 14 19 58.7, 5.8S, 105.7E, H = 15Km., M = 4.6, SUNDA STRAIT.						
		LPB	ePKP	14 39 55.5				156.6
			eL	15 34				
MAR	30	PNS	iP	16 46 19.3	D	0.8	15	
			S	46 54.6				
		LPB	eP	16 46 23		0.8	18	
MAR	30	PNS	P	17 35 00.7		0.5	3	
			eS	35 34.7				
		LPB	eP	17 35 07				
MAR	30	PNS	eP	19 14 23.4				
MAR	30	USCGS 19 04 49.8, 33.4N, 141.5E, H = 33Km., M = 4.0, OFF E CST OF HONSHU, JAPAN.						
		PNS	ePKP	19 24 36.2				148.5
MAR	30	USCGS 19 18 47.5, 21.2S, 174.2W, H = 70Km., M = 4.6, TONGA IS.						
		LPB	eP	19 32 22				98.1
MAR	30	PNS	P	21 35 07.8		0.7	3	
MAR	30	PNS	eP	21 47 41.6		1.0	7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	30	LPB	eP	23 39 36.5				
			eL	54				
		PNS	eP	23 39 37.2				
			eL	54.1				
MAR	31	PNS	eP	00 04 27.7		0.9	5	
		LPB	P	00 04 36				
MAR	31	LPB	P	00 55 20.7		0.9	6	
		PNS	eP	00 55 20.9				
MAR	31	LPB	P	01 08 39.2		0.9	8	
		PNS	P	01 08 42.7		0.4	2	
MAR	31	PNS	P	01 36 26		0.7	4	
			eL	02 01				
		LPB	eP	01 36 29				
MAR	31	LPB	eL	01 47				
		PNS	eL	01 47				
MAR	31	LPB	eP	01 53 54				
		PNS	P	01 53 40.3				
MAR	31	PNS	P	03 36 24.8		1.2	10	
			e	37 08.8				
		LPB	P	03 36 45.2		1.0	12	
MAR	31	PNS	eP	03 39 21.1				
MAR	31	USCGS 04 16 01.0, 5.2N, 87.3W, H = 33Km., M = 4.2, OFF CST OF CENTRAL AMERICA.						
		PNS	P	04 21 54.9		1.2	13	
		LPB	P	04 22 01.7		0.9	10	28.7
			eL	30				
MAR	31	PNS	iP	05 15 02.9	D	0.7	10	
		LPB	P	05 15 05				
MAR	31	LPB	P	05 59 52.2		0.6	4	
		PNS	P	05 59 54.6		0.5	2	
MAR	31	LPB	P	06 30 25.7		0.7	11	
MAR	31	LPB	eP	06 46 12.8		0.7	4	
		PNS	eP	06 46 15				
			e(S)	47 41				
MAR	31	USCGS 08 19 35.6, 11.4N, 125.3E, H = 71Km., M = 5.3, SAMAR, PHILIPPINE IS.						
		LPB	PKP	08 39 36.7		1.1	17	165.7
			epPKP	39 50.7				
			eL	09 39				
		PNS	PKP	08 39 36.9		1.0	11	
			i	39 50.9				
			eL	09 40.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	31	LPB	P	09 01 45.7		0.8	75	
		PNS	iP	09 01 50.1	C			
MAR	31	LPB	eP	09 29 11		1.0	10	
		PNS	P	09 29 11.5		0.4	5	
MAR	31	LPB	eP	10 47 30.2				
			S	47 42.2				
MAR	31	LPB	eP	14 39 30				
		PNS	eP	14 39 59.4				
MAR	31	PNS	eP	14 58 57.2				
			L	15 16.7				
MAR	31	LPB	eP	16 39 16.5				
		PNS	P	16 39 43.4				
MAR	31	LPB	eP	16 47 05				
		PNS	P	16 47 11.5		1.3	11	
MAR	31	PNS	eP	21 09 03.3		0.5	17	
		LPB	eP	21 09 21				
MAR	31	LPB	P	23 42 03.7		0.6	24	
MAR	31	PNS	P	23 47 38.7		0.6	3	
MAR	31	USCGS	23 35 56.4, 4.7S, 35.0E, H = 33Km., M = 4.9, TANGANYIKA.					
		LPB	eP	23 49 43				101.0

CURVAS ISODIASTEMATICA