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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

1967

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Casilla 283, La Paz.
BOLIVIA, South America.

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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.	400.000 at 1 cps
					SP Hor. Benioff, To=1 sec. Tg=2 sec.	500.000 at 1 cps
					LP, three components Sprengnether, To = 20 sec., Tg = 30 sec.	50.000 at 25 sec.
La Paz (WWNSS)	LPB	16°31'57.6"S	68°05'54.1"W	3292	SP three components. Benioff To=.75sec	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 Pendulum, NS, EW, To=2.4 sec.	700
Chacaltaya	CHA	16°20'45"S	68°07'31"W	5220	SP vertical Wilson-Lamison To = 1.sec.	
Cochabamba	CCH	17°22'56"S	66°08'34"W	2500	SP vertical Wilson-Lamison To = 1.sec.	
Riberalta	RTA	11°00'4' S	66°04'7' W	175	SP vertical Wilson-Lamison To = 1.2 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 = 1.sec.	

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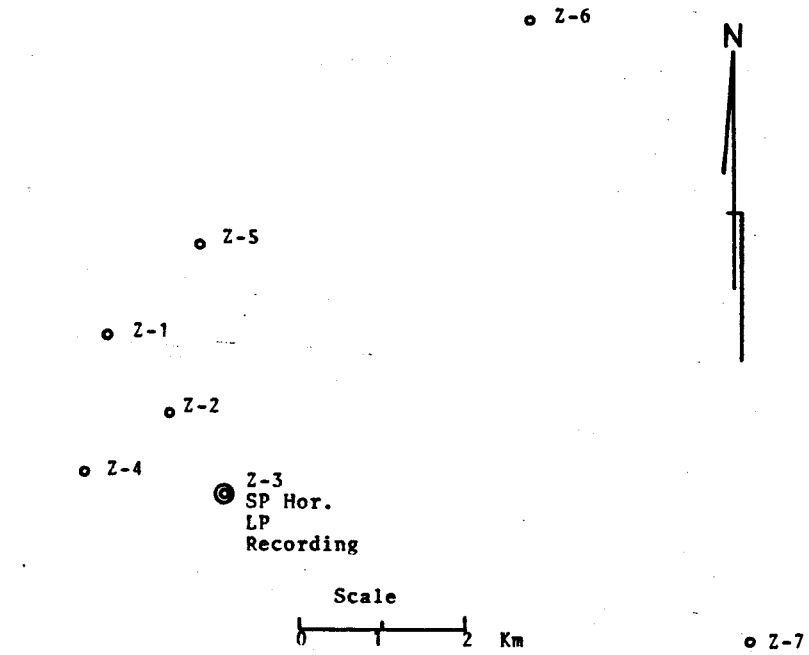

Fig 4. Configuration of the seismic array of Peñas, PNS
Elevation of Z-3 : 3986 m.a.s.l.

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...mba, Sicasica, Tarija and Ribe-
ralta are operated in cooperation with the Instituto Geofisico Boliviano under the sponsorship of the Department of Terrestrial Magnetism of the Carnegie Institution of Washington.

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-3 as well as the two short period horizontal and the high magnification long periods 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 galvonometer 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.

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

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	1	USCGS	00 21 06.6, 12.1S, 166.2E, H = 33 Km, M = 4.9					
		SANTA CRUZ IS REG						
		PNS	PKP	00 39 54.5		2.0	33.2	
		LPB	ePKP	00 39 57.5				119.2
JAN	1	PNS	eP	00 50 20.5		1.2	10.7	
			e	53 30				
		LPB	eP	00 50 21		1.0	12.0	
JAN	1	PNS	P	03 15 50		0.6	3.1	10.8
			i	16 02.4				
			eS	17 51				
		LPB	eP	03 15 55		1.0	4.0	10.7
			i	16 00				
			S	17 55				
JAN	1	USCGS	02 57 33.8, 10.7N, 92.8E, H = 60 Km, M = 5.2					
		ANDAMAN IS REG						
		PNS	ePKP	03 19 23.4				
		LPB	eL	04 12				151.6
JAN	1	USCGS	03 13 18.0, 11.9S, 166.2E, H = 33 Km, M = 4.6					
		SANTA CRUZ IS						
		PNS	ePKP	03 32 09.6				
		LPB	eL	04 10				119.0
JAN	1	USCGS	04 04 06.5, 12.0S, 166.0E, H = 33 Km, M = 4.5					
		SANTA CRUZ IS						
		LPB	ePKP	04 22 58.5				119.2
			eL	59				
JAN	1	USCGS	05 39 23.4, 11.9S, 165.9E, H = 33 Km					
		SANTA CRUZ IS						
		LPB	eL	06 35				119.2
JAN	1	PNS	iP	06 21 12.4	D			2.0
			S	21 36.2				
JAN	1	USCGS	07 05 48.6, 15.3S, 173.6W, H = 33 Km, M = 6.0					
		TONGA IS						
		LPB	eP	07 19 35.5				99.9
			PP	23 59.5				
			SKS	30 13				
			S	31 18				
			eSS	37 55				
			eL	52.4				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	eP	07 19 35.6		1.4	32.8	
			e	19 50.5				
			PP	23 39.6				
			SKS	39 12				
			eS	31 17				
			eSS	38 00				
			eL	52.3				
JAN	1	LPB	eP	07 48 42.3		0.8	7.0	
		PNS	eP	07 48 44				
JAN	1	USCGS	07 45 53.6, 12.1S, 166.2E, H = 33 Km, M = 4.7					
		SANTA CRUZ IS						
		PNS	ePKP	08 04 43.6				
			eL	42				
JAN	1	LPB	P	08 19 05.5		0.4	6.4	
		PNS	P	08 19 08.7				
JAN	1	USCGS	08 11 12.8, 12.2S, 166.1E, H = 33 Km, M = 4.5					
		SANTA CRUZ IS						
		LPB	eL	09 08				119.1
JAN	1	USCGS	08 54 16.1, 11.6S, 165.8E, H = 33 Km, M = 4.4					
		SANTA CRUZ IS						
		PNS	PKP	09 13 08.7		0.8	4.8	
		LPB	eL	09 51				119.7
JAN	1	USCGS	09 55 10.4, 17.4S, 70.7W, H = 131 Km, M = 4.2					
		NEAR CST OF PERU						
		PNS	iP	09 55 50.5	D			
			S	56 17.8				
		LPB	iP	09 55 54.3	D	0.8	175.0	2.7
			iS	56 24.0				
JAN	1	USCGS	11 15 47.6, 12.6S, 166.0E, H = 33 Km, M = 4.2					
		SANTA CRUZ IS						
		LPB	ePKP	11 34 38.5		0.7	182.6	119.1
JAN	1	USCGS	12 14 04.0, 55.1S, 126.7W, H = 33 Km, M = 4.8					
		EASTER IS CORDILLERA						
		LPB	P	12 24 01		1.8	76.4	54.0
			eL	42				
		PNS	iP	12 24 01.3	C	1.0	13.9	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	1	PNS	P	12 27 15.7	D	0.5	8.4	1.8
			iS	27 37.7				
JAN	1	USCGS	12 53 29.9, 11.7S, 165.9E, H = 33 Km, M = 4.7					
		SANTA CRUZ IS						
		LPB	eL	13 51				119.7
JAN	1	USCGS	13 13 42, 25.2S, 70.2W, H = 46 Km, M = 4.5					
		NEAR CST OF N CHILE						
		LPB	eP	13 15 51.5		0.7	9.0	9.0
			eS	17 32				
			L	18.7				
		PNS	P	13 15 53.0		0.6	7.7	
			i	16 10.4				
			S	17 32.6				
			SS	17 53.7				
			eL	18				
JAN	1	USCGS	13 18 27.3, 11.6S, 165.3E, H = 33 Km, M = 4.9					
		SANTA CRUZ IS						
		LPB	ePKP	13 37 20.7				120.2
			eL	57				
JAN	1	USCGS	13 26 47.1, 12.1S, 166.0E, H = 33 Km, M = 4.3					
		SANTA CRUZ IS						
		LPB	eL	14 23				119.1
JAN	1	USCGS	14 18 51.4, 12.4S, 165.8E, H = 33 Km, M = 5.0					
		SANTA CRUZ IS						
		LPB	eL	15 16				119.5
JAN	1	USCGS	14 38 05.9, 11.8S, 165.8E, H = 33 Km					
		SANTA CRUZ IS						
		LPB	eL	14 35				119.0
		PNS	ePKP	14 56 51.6				
JAN	1	USCGS	15 53 51.6, 42.6N, 147.5E, H = 33 Km, M = 4.3					
		OFF CST OF HOKKAIDO, JAPAN						
		LPB	ePKP	16 13 13				140.0
			eL	17 09				
JAN	1	LPB	eP	17 16 14.2		1.0	14.0	
		PNS	eP	17 16 17.7		0.8	5.4	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	1	USCGS	17 38 31.7, 12.9S, 165.8E, H = 33 Km					
		SANTA CRUZ IS						
		LPB	eL	18 34				119.2
JAN	1	USCGS	21 58 57.8, 11.1S, 165.5E, H = 33 Km, M = 5.4					
		SANTA CRUZ IS						
		PNS	ePKP	22 17 46.6				
			PP	19 00.5				
			eSKS	24 45				
			ePS	28 50				
			eL	55.9				
		LPB	ePKP	22 17 48				120.1
			ePP	18 56				
			eL	56				
JAN	1	LPB	P	22 35 50		1.1	29.5	
		PNS	P	22 35 52.4	C	1.5	34.9	
JAN	2	LPB	P	00 06 34.6		0.8	26.6	
			i	06 42.5				
			i(PP)	06 56.5				
			(S)	11 48				
		PNS	iP	00 06 37	C	1.4	86.2	
			i(pP)	06 45.9				
			i	06 57.8				
			eS	11 54				
JAN	2	LPB	ePKP	00 57 26				119.4
		PNS	eL	01 35.6				
JAN	2	USCGS	01 18 26.8, 11.4S, 165.6E, H = 33 Km, M = 4.3					
		SANTA CRUZ IS						
		LPB	ePKP	01 37 20				120.0
		PNS	eL	02 15.9				
JAN	2	PNS	eP	02 27 25				
			e	38.3				
		LPB	P	02 27 35.5	D	1.0	12.0	
JAN	2	LPB	eP	02 48 50.5				
		PNS	eP	02 48 59.2		1.0	8.4	
			e	49 31.6				
JAN	2	PNS	P	04 17 09.8				2.1
			S	34.8				
		LPB	P	04 17 12.8		1.0	8.0	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	2	USCGS	06 53 17.5, 25.5S, 71.0W, H = 38 Km, M = 5.0					
		NR CST OF N CHILE						
		LPB	iP	06 55 28.5	C	0.6	264.0	9.0
			(PP)	39.5				
			i	50.5				
			S	57 06.5				
			L	58.2				
		PNS	iP	06 55 30.4	C			
			L	57.8				
JAN	2	USCGS	07 32 07.9, 11.5S, 165.6E, H = 33 Km, M = 4.5					
		SANTA CRUZ IS						
		PNS	ePKP	07 50 59		1.0	6.9	
		LPB	eP	07 51 00		0.8	4.2	120.1
JAN	2	PNS	eP	08 05 28		0.9	8.5	
			e	57				
		LPB	P	08 05 30.6		0.8	4.2	
JAN	2	PNS	P	08 22 26.6	D			1.8
			S	48.9				
		LPB	P	08 22 28.8		0.7	5.2	
JAN	2	USCGS	08 49 32.6, 12.3S, 165.6E, H = 33 Km, M = 4.8					
		SANTA CRUZ IS						
		PNS	ePKP	09 08 24.5				
		LPB	ePKP	09 08 25.5				119.6
JAN	2	USCGS	09 47 53.3, 10.2S, 28.5E, H = 33 Km, M = 5.6					
		REPUBLIC OF THE CONGO						
		LPB	P	10 01 08.7	C	1.0	24.0	93.5
			iPP	19.2				
			eL	32.5				
		PNS	iP	10 01 11.2	C	1.0	20.9	
			iPP	21.8				
			eL	32.4				
JAN	2	USCGS	10 57 51.7, 25.2S, 70.2W, H = 20 Km, M = 4.4					
		NR CST OF N CHILE						
		LPB	P	11 00 01.3		0.6	8.4	9.0
			i	15.5				
			S	01 41				
			L	02.8				
		PNS	eP	11 00 04				
JAN	2	LPB	P	12 18 50.5		1.3	19.6	
		PNS	eP	12 18 52.6				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	2	CCH	P	13 09 12.9				
		LPB	P	13 09 21		0.8	9.8	6.3
			i	41				
			eS	10 33				
		PNS	eP	13 09 22.7				
JAN	2	LPB	eP	13 58 35.5				
		PNS	eP	13 58 37.6				
			eS	59 26				4.1
JAN	2	USCGS	13 49 19.1, 11.3S, 165.8E, H = 36 Km, M = 4.3					
		SANTA CRUZ IS						
		LPB	eL	14 47				120.0
JAN	2	USCGS	13 50 06.2, 30.6N, 50.4E, H = 40 Km, M = 5.2					
		IRAN						
		PNS	PKP	14 09 02.4		0.7	4.6	
		LPB	ePKP	14 09 05				126.2
			eL	49				
JAN	2	USCGS	15 11 16.1, 12.2S, 165.9E, H = 45 Km, M = 4.5					
		SANTA CRUZ IS						
		LPB	eL	16 16				119.6
JAN	2	USCGS	16 22 37.0, 24.6S, 68.2W, H = 130 Km, M = 4.0					
		CHILE-ARGENTINA BOR REG						
		CCH	eP	16 24 22.2				
		LPB	iP	16 24 33.3	D	0.5	22.1	8.0
			iPn	36.2				
			S	26 00				
		PNS	iP	16 24 36.5	C	0.6	8.5	
			S	26 02.6				
JAN	2	PNS	iP	17 01 55.0	C	0.6	15.4	
			e(S)	02 41				
JAN	2	LPB	eP	17 10 59				
			i	13				10.3
			eS	12 54				
		PNS	P	17 11 02.3		0.6	3.8	10.7
			e	15.2				
			eS	13 03				
		CCH	eP	17 11 11.8				
JAN	2	USCGS	17 11 44.2, 11.4S, 166.8E, H = 33 Km, M = 4.6					
		SANTA CRUZ IS						
		PNS	ePKP	17 30 37.7				119.9

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	2	USCGS	17 44 34.4, 12.2S, 165.7E, H = 33 Km, M = 4.4					
		SANTA CRUZ IS						
		LPB	ePKP	18 03 24				119.6
JAN	2	PNS	iP	18 24 09.8	D	0.5	16	
		LPB	P	18 24 10.5		0.8	10	
JAN	2	PNS	P	19 51 00.6		0.4	2	2.8
			S	33.2				
JAN	2	USCGS	19 59 58.2, 12.3S, 166.4E, H = 33 Km, M = 5.2					
		SANTA CRUZ IS						
		LPB	ePKP	20 18 47				118.8
			eL	56				
		PNS	ePKP	20 18 48.2				
JAN	2	PNS	eP	20 29 03				
		LPB	P	20 29 09				
JAN	2	USCGS	20 20 15.0, 11.7S, 165.3E, H = 33 Km, M = 4.8					
		SANTA CRUZ IS						
		PNS	PKP	20 39 06		0.9	5	
		LPB	ePKP	20 39 08				120.1
JAN	2	USCGS	20 40 15.5, 12.3S, 166.3E, H = 33 Km, M = 4.4					
		SANTA CRUZ IS						
		PNS	ePKP	20 59 03.3				
			eL	21 36.9				
JAN	2	PNS	eP	22 00 36				
		LPB	eP	22 00 37				
JAN	2	USCGS	23 55 36.3, 11.7S, 165.1E, H = 33 Km, M = 5.2					
		SANTA CRUZ IS						
		LPB	ePKP	00 14 17				120.1
			eL	53				
		PNS	PKP	00 14 26		1.6	27	
JAN	3	USCGS	00 25 02.2, 42.1N, 143.1E, H = 46 Km, M = 3.8					
		HOKKAIDO, JAPAN REG						
		PNS	ePKP	00 44 36.6				143.6

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	3	PNS	eP	01 11 54.4				
			e	14 08.8				
		LPB	eP	01 11 45				
		CCH	eP	01 11 56.7				
JAN	3	LPB	eP	03 46 32.5				
		PNS	P	03 46 33	D	0.6	4	2.3
			S	47 00				
JAN	3	USCGS	03 48 04.0, 25.0S, 70.4W, H = 33 Km, M = 4.7					
		NR CST OF N CHILE						
		LPB	eP	03 50 10.5				9.0
			e(S)	51 53				
			eL	52.5				
		PNS	eP	03 50 14.5				
			i	33.0				
			S	51 58.4				
		CCH	eP	03 50 19.9				
JAN	3	LPB	P	04 03 46.5		1.1	18	
		PNS	P	04 03 46.6		1.2	23	
JAN	3	USCGS	04 55 57.2, 1.3S, 77.7W, H = 192 Km, M = 4.3					
		ECUADOR						
		PNS	P	04 59 50.4		0.8	12	
			eS	05 03 18				
		LPB	P	04 59 55.5		0.8	12	18.0
		CCH	P	05 00 13.4	C			
JAN	3	USCGS	04 36 03.9, 11.1S, 165.6E, H = 33 Km, M = 4.5					
		SANTA CRUZ IS						
		LPB	eL	05 33.5				120.1
JAN	3	USCGS	05 23 46.5, 11.8S, 165.2E, H = 33 Km, M = 5.3					
		SANTA CRUZ IS						
		PNS	ePKP	05 42 37.9				120.1
JAN	3	USCGS	05 35 46.6, 10.9S, 165.5E, H = 33 Km, M = 5.2					
		SANTA CRUZ IS						
		PNS	PKP	05 54 33		1.0	5.	
			ePP	56 00				
			eSKS	06 01 36				
			eSKKS	23 02				
			eG	25.1				
			eG	32.9				
		LPB	ePKP	05 54 37.2		1.0	8	120.3
			SKS	06 01 40				
			PS	06 04				
			eSS	12 40				
			eL	06 32.8				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	3	USCGS SANTA CRUZ IS	05 52 51.8, 11.2S, 165.5E, H = 33 Km, M = 5.3					
		LPB	ePKP	06 11 43		1.0	6	120.3
			eL	50				
		PNS	ePKP	06 11 43		0.9	7	
			eL	50				
		CCH	e(P)	06 11 52.2				
JAN	3	LPB	eP	06 20 33.5				
		PNS	eP	06 20 34				
		CCH	eP	06 20 35.8				
JAN	3	LPB	P	06 33 25				43.6
		PNS	eP	06 33 25		1.0	7	
		CCH	eP	06 33 46.7				
JAN	3	PNS	eL	08 30.9				
		LPB	eL	08 31				120.5
JAN	3	PNS	P	10 45 24.4		0.9	6	
			e	47 34.2				
JAN	3	USCGS SANTA CRUZ IS	10 43 25.1, 11.0S, 165.4E, H = 33 Km, M = 4.8					
		LPB	eL	11 51				13.3
JAN	3	USCGS SANTA CRUZ IS	11 05 15.4, 11.2S, 165.4E, H = 33 Km, M = 5.3					
		PNS	ePKP	11 24 07.2		1.0	7	
		CCH	ePKP	11 24 08.6				
		LPB	PKP	11 24 09		1.1	16	120.1
JAN	3	USCGS SANTA CRUZ IS	11 31 34.4, 11.2S, 165.4E, H = 33 Km, M = 5.1					
		PNS	ePKP	11 50 26.1				
		LPB	ePKP	11 50 27				120.1
JAN	3	USCGS ATLANTIC OCEAN	12 02 56.5, 56.0N, 34.4W, H = 33 Km, M = 4.9					
		PNS	P	12 14 51	C	1.5	39	
			eL	39				
JAN	3	USCGS SANTA CRUZ IS	12 03 47.3, 11.3S, 165.7E, H = 33 Km, M = 4.6					
		PNS	ePKP	12 22 40.4				120.0

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	3	PNS	eP	12 34 45				9.3
			eS	36 30				
JAN	3	USCGS	12 32 09.2, 10.9S, 165.4E, H = 33 Km, M = 5.2					
		SANTA CRUZ IS						
		PNS	PKP	12 51 00.1		0.9	5	
			eL	13 28.9				
		LPB	eL	13 29				120.1
JAN	3	PNS	P	12 53 41.6		0.4	3	
JAN	3	PNS	P	13 18 33.7		0.9	11	2.6
			S	19 04.5				
		LPB	iP	13 18 36.0	C	0.8	3	2.4
			iS	19 05.5				
		CCH	P	13 18 51.3				
JAN	3	USCGS	13 23 51.7, 12.0S, 165.4E, H = 33 Km, M = 4.9					
		SANTA CRUZ IS						
		PNS	PKP	13 42 42.2		0.8	4	
		LPB	ePKP	13 42 44				120.1
			eL	14 21				
JAN	3	PNS	P	14 20 35				2.9
			S	21 09				
JAN	3	PNS	P	16 19 22.7		0.5	2	7.5
			S	20 48				
		LPB	P	16 19 23.4		0.6	7	
		CCH	eP	16 19 23.8				
JAN	3	USCGS	17 11 05.1, 12.3N, 88.8W, H = 60 Km, M = 4.2					
		OFF CST OF CENTRAL AMERICA						
		LPB	eP	17 17 56				35.0
			eL	29				
		PNS	eP	17 17 57				
JAN	3	USCGS	17 21 41.6, 6.8N, 73.0W, H = 161 km, M = 4.4					
		N COLOMBIA						
		PNS	iP	17 26 37.8	C	0.6	30	
			iPP	50				
			i	59.9				
			eS	30 52				
			eL	32.9				
		LPB	iP	17 26 40.5	C	0.7	30	
			iPP	27 14.5				
			S	30 43.5				
			eL	33				
		CCH	P	17 26 52.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	3	USCGS SANTA CRUZ IS	20 30 18.0, 11.1S, 165.5E, H = 33 Km, M = 4.5					
		LPB	eL	21 27				120.1
JAN	3	USCGS SANTA CRUZ IS	20 43 03.7, 11.6S, 165.2E, H = 33 Km, M = 4.8					
		PNS	PKP	21 01 55.2		0.7	5	
		LPB	eL	21 40				120.4
JAN	3	PNS	eP	21 41 17				7.6
			S	42 43.4				
JAN	3	USCGS SANTA CRUZ IS	21 23 21.8, 12.4S, 166.4E, H = 33 Km, M = 5.0					
		PNS	ePKP	21 42 10		0.9	4	
			eL	22 20.4				
		LPB	PKP	21 42 12				
			PS	53 20				
			eSS	22 00 38				
			eL	22 20.4				
JAN	3	USCGS SANTA CRUZ IS	22 27 97.4, 11.5S, 166.1E, H = 33 Km, M = 4.5					
		PNS	ePKP	22 46 59.8				
		LPB	eL	23 24				120.4
JAN	3	LPB	eP	23 18 20		0.8	6	
		PNS	iP	23 18 20.5	D	0.7	12	1.8
			S	42.8				
JAN	3	PNS	iP	23 18 20.5		0.7	12	1.8
			S	42.8				
		LPB	P	23 18 21		0.7	5	
			i	25.5				
JAN	3	PNS	PKP	23 32 43.0		1.6	18	
		LPB	eL	00 11				120.1
JAN	3	PNS	P	23 57 16.7		0.5	2	
			i	45.0				
		LPB	eP	23 57 20				
			e	47				
JAN	4	USCGS SANTA CRUZ IS	00 14 38.2, 11.1S, 165.5E, H = 33 Km, M = 4.5					
		PNS	e(PKP)	00 33 28				
			e	36 00.9				
		LPB	eL	01 12				120.1

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	4	LPB	eP	00 57 03				
		PNS	P	00 57 42.0		0.7	13.	
JAN	4	LPB	iP	01 53 25		0.8	17.	
		PNS	P	01 53 25.7		0.6	6	
JAN	4	USCGS	01 55 06.6, 11.6S, 165.5E, H = 33 Km, M = 4.5					
		SANTA CRUZ IS						
		LPB	eL	02 42				120.1
JAN	4	PNS	P	02 26 52.5	C	0.5	3	22.5
			S	27 15				
JAN	4	USCGS	02 53 28.1, 3.6S, 148.9E, H = 9 Km, M = 4.9					
		BISMARCK SEA						
		PNS	ePKP	03 12 54				
			e	14 12.8				
		LPB	ePKP	03 12 55.5		1.2	8	138.1
			i	13 06.5				
			eL	59				
		CCH	ePKP	03 13 02.7				
JAN	4	CCH	P	03 30 01.4				
		PNS	iP	03 29 30.4	C	0.7	63	4.3
			S	30 20.4				
		LPB	iP	03 29 35.5	C	1.2	96	4.3
			i	39.7				
			S	30 26				
JAN	4	PNS	eP	03 47 56.6				
			S	48 50.5				4.7
JAN	4	USCGS	03 41 36.4, 20.3N, 120.0E, H = 33 Km, M = 5.6					
		PHILIPPINE IS REG						
		LPB	iPKP	04 01 45.7	D	1.2	60	171.1
			pPKP	56				
			ePP	06 53				
			eSS	28 43				
			eL	05 01				
		PNS	iPKP	04 01 45.9	D	2.0	182	
			pPKP	56.2				
			PP	06 51.8				
			eL	05 01.9				
		CCH	PKP	04 01 46.5	C			
			pPKP	51.4				
JAN	4	LPB	P	06 01 59.7		1.0	12	
		PNS	P	06 02 03.4		0.5	4	
			eS	40				3.2

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	4	USCGS GREECE	05 58 54.1, 38.6N, 22.1E, H = 7 Km, M = 5.2					
		LPB	eP	06 12 30				100.6
JAN	4	LPB	P	07 11 57.7		0.9	17	
		PNS	P	07 11 58.6		0.6	4	3.8
			S	12 42.8				
		CCH	eP	07 12 03.6				
JAN	4	PNS	eP	09 57 43				3.0
			S	58 18				
JAN	4	USCGS KURILE	10 17 07.5, 50.8N, 157.1E, H = 50 Km, M = 4.9					
		LPB	ePKP	10 36 15		1.0	8	130.5
		PNS	PKP	10 36 15.0		1.2	10	
JAN	4	LPB	eP	11 06 15.5				
			i	20				
		PNS	eP	11 06 16				
			eS	07 06				
JAN	4	LPB	iP	11 28 03.6	D	0.5	7	2.2
			iS	30				
		PNS	iP	11 28 03.9	D	0.7	14	2.2
			iS	30				
		CCH	eP	11 28 14.8				
JAN	4	USCGS SANTA CRUZ IS	13 07 00.7, 12.1S, 165.6E, H = 33 Km, M = 4.9					
		PNS	PKP	13 25 51.1		1.7	22	
		LPB	eL	14 03				119.9
JAN	4	PNS	P	16 46 01.2		0.5	2.6	1.8
			i	03.2				
			eS	30				
		LPB	eP	16 46 07				3.2
			S	45.5				
JAN	4	USCGS NR CST OF NEW GUINEA	16 30 28.0, 3.2S, 142.2E, H = 19 Km, M = 5.5					
		LPB	ePKP	16 50 04		1.0	12	144.0
			epPKP	15.5				
			eSS	17 12 06				
			eL	39				
		PNS	PKP	16 50 04.2		0.9	11	
			PKS	53 42.8				
			eL	17 38.8				
		CCH	ePKP	16 50 08.1				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	4	CCH	P	17 37 40.8				
		LPB	eP	17 38 04.5				3.4
			S	44.5				
		PNS	iP	17 38 11.1	D	0.8	5	3.3
			S	50				
JAN	4	USCGS	18 00 58.7, 33.6N, 135.8E, H = 416 Km, M = 4.3					
		NR S CST OF S HONSHU						
		LPB	ePKP	18 19				152.0
			eL	21				
		PNS	ePKP	18 20 08.2		1.2	17	
		CCH	PKP	18 20 29.7				
JAN	4	PNS	eP	19 51 45				
		LPB	P	19 51 46.0		0.5	2	
JAN	4	USCGS	19 53 42.1, 14.5S, 70.7W, H = 101 Km, M = 4.0					
		PERU						
		PNS	iP	19 54 26.8	C			
			S	55 10				
		LPB	eP	19 54 29.5				3.1
			S	55 15				
		CCH	P	19 55 00.1				
JAN	4	PNS	eP	20 16 06		0.6	5	3.8
			eS	50				
JAN	4	USCGS	20 15 55.8, 10.7N, 62.5W, H = 74 Km, M = 5.5					
		NR CST OF VENEZUELA						
		PNS	iP	20 21 41.7	D	1.1	133	
			PP	22 36.6				
			eS	26 28.4				
			L	30				
		LPB	iP	20 21 43.2	D	0.9	245	26
			eS	26 21				
			SS	27 18				
			eL	29.5				
		PNS	iP	20 21 57.0	D			
JAN	4	PNS	iP	22 07 21.0	D	0.4	11	2.1
			S	45.7				
JAN	4	USCGS	22 48 24.4, 55.7S, 27.6W, H = 88 Km, M = 5.5					
		S SANDWICH IS REG						
		CCH	P	22 56 50.6				
		LPB	iP	22 57 10.0	D	1.0	88	49.5
			S	23 04 18				
			eL	23 11				
		PNS	iP	22 57 12.9	D	0.9	59	
			PeP	58 41.5				
			PP	59 11.2				
			eL	23 11				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	5	LPB	iP	00 02 22.2		0.8	22	3.1
			S	58				
		PNS	iP	00 02 30.6		0.5	6	3.0
			S	03 04.3				
JAN	5	USCGS	00 14 40.4, 48.1N, 102.8E, H = 33 Km, M = 6.4					
		MONGOLIA						
		PNS	PKP	00 34 21.0		0.9	54	
			iPKS	37 51.0				
			PP	56.0				
			SKS	41 24				
			eG	01 16				
		LPB	iPKP	00 34 22.4	D	0.9	49	148.0
			PKP2	32.2				
			PP	37 55				
			SKS	41 06				
			PS	48 20				
			SS	47 00				
			G	01 16.2				
			L	25.4				
		CCH	PKP	00 34 24.7	D			
JAN	5	USCGS	00 42 13.3, 48.4N, 103.1E, H = 33 Km, M = 5.6					
		MONGOLIA						
		PNS	PKP	01 01 54.0	C	1.5	231	
			PKP2	02 01.4				
			PKS	05 24				
		LPB	PKP	01 01 54.7	D	1.6	250	148.2
		CCH	PKP	01 01 56.7	D			
JAN	5	USCGS	02 10 17.3, 11.3S, 165.6E, H = 33 Km, M = 5.0					
		SANTA CRUZ IS						
		LPB	ePKP	02 29 04		1.0	10	120.1
		PNS	PKP	02 29 06				
JAN	5	PNS	iP	05 30 12.3	D			1.9
			S	35.8				
		LPB	iP	05 30 14.5	D	0.8	48	2.2
			S	40.5				
JAN	5	PNS	eP	05 42 35				5.2
			S	43 35.7				
		CCH	eP	05 42 45.3				
		LPB	P	05 42 51.2		0.8	6	
JAN	5	USCGS	06 13 31.6, 13.8N, 120.7E, H = 166 Km, M = 5.4					
		MINDORO, PHILIPPINE IS						
		LPB	PKP	06 33 23.5		1.1	30	171.0
			iPKP	34 45.7				
			ePP	38 32				
			e	49 05				
			eL	07 00.5				
		PNS	iPKP	06 33 23.6	C	1.3	48	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	5	PNS	iPKP	06 33 23.6	C	1.3	48	
			e	34 44.6				
			e	38 34				
			eL	07 00.4				
JAN	5	PNS	eP	08 45 48.3				
			e(S)	46 20				
JAN	5	LPB	eP	09 00 02				
		PNS	eP	09 00 03.2				
JAN	5	PNS	eP	10 12 20		0.6	15	3.7
			S	13 02.6				
		LPB	eP	10 12 27		0.8	13	4.2
			i	29.5				
			S	13 16				
JAN	5	USCGS	10 07 58.3, 39.4N, 72.9E, H = 11 Km, M = 5.3					
		KIRGIZ SSR						
		PNS	ePKP	10 27 26.6		1.3	31	
			eL	11 07				
		LPB	ePKP	10 27 26.6		1.1	16	139.0
JAN	5	USCGS	10 35 50.3, 11.3S, 166.2E, H = 62 Km, M = 5.1					
		PNS	PKP	10 54 37		0.7	5	
			eL	11 32				
		LPB	eL	11 32				119.4
JAN	5	PNS	eP	12 44 47.5				
		LPB	P	12 44 31		0.7	29	
JAN	5	PNS	eP	12 48 10.7				
			S	33.6				1.9
JAN	5	PNS	P	14 36 05.4		0.6	6	
			S	41.2				3.1
JAN	5	PNS	eP	14 38 40		0.7	5	
		LPB	eP	14 38 40.5		0.7	5	
JAN	5	USCGS	14 38 13.7, 11.3S, 165.3E, H = 48 Km, M = 4.7					
		SANTA CRUZ IS						
		PNS	ePKP	14 57 04				
		LPB	eL	15 35				170.2
JAN	5	PNS	P	15 40 09.3				
			iS	31.8				2.1
		LPB	eP	15 40 33		0.7	6	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	5	PNS	P	15 40 09.3				2.1
			iS	31.8				
		LPB	eP	15 40 33		0.7	6	
JAN	5	PNS	eP	15 48 56.6				
			e(S)	49 21				
JAN	5	PNS	eP	16 34 10		0.6	2	
			i	20.0				
JAN	5	LPB	eP	16 43 37				
		PNS	eP	16 43 38				
			e(S)	45 58				
JAN	5	PNS	P	17 00 42		0.8	4	
		LPB	eP	17 00 41				
JAN	5	PNS	eP	17 06 20				5.9
			e	24.1				
			S	07 28				
		LPB	eP	17 06 27				
JAN	5	LPB	iP	17 12 22.0		0.9	255	3.4
			iS	13 02				
		PNS	iP	17 12 24.0	C			39.4
			S	13 03.4				
		CCH	P	17 12 28.3	D			
JAN	5	PNS	eP	18 05 54.9				9.5
			i	06 03.4				
			S	07 42				
		CCH	eP	18 05 59.0				
		LPB	P	18 06 00.7		0.9	46	8.9
			i	05.7				
			S	07 40.5				
JAN	5	PNS	P	18 08 42.3		0.3	5	2.0
			S	09 06				
JAN	5	PNS	eP	18 38 44.7		0.5	3	2.5
			S	39 15				
JAN	5	LPB	eP	21 11 45.5				
JAN	5	USCGS MONGOLIA	23 58 21.4, 48.1N, 102.9E, H = 33 Km, M = 5.4					
		LPB	PKP	00 18 02		1.0	32	148.0
			i	04.2				
			i	23.4				
			eL	01 09				
		CCH	PKP	00 18 04,4				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	6	USCGS	00 04 02.7, 41.8N, 143.3E, H = 35 Km, M = 5.5					
		HOKKAIDO JAPAN REG						
		LPB	P	00 23 36		2.0	100	143
			i	24 16				
			ePKS	27 13.6				
			eSS	45 30				
			eL	01 12				
		CCH	PKP	00 23 39.3	D			
JAN	6	CCH	e(P)	01 07 35.3				
		LPB	P	01 07 43.5				
			i	08 01.8				
JAN	6	LPB	P	03 06 19.5		0.8	7	
JAN	6	USCGS	04 07 24.6, 1.7S, 126.3E, H = 39 Km, M = 5.0					
		MOLUCCA SEA						
		LPB	eP	04 27 26				157.0
			PKP2	28 00.6				
			eL	05 22				
		CCH	ePKP	04 27 33.1				
JAN	6	LPB	eP	05 17 49				1.8
			S	18 11				
		CCH	eP	05 17 58.5				
JAN	6	LPB	eP	05 27 12.5		1.0	8	
JAN	6	LPB	eP	06 09 50		1.0	6	
JAN	6	LPB	iP	06 37 23.0	D	0.9	36	2.1
			S	48				
JAN	6	LPB	P	07 17 53.5		0.8	11	0.3
			S	59.5				
JAN	6	LPB	eP	07 44 19		0.9	7	
JAN	6	LPB	eP	08 09 12.5				
JAN	6	USCGS	08 14 25.7, 11.9S, 166.2E, H = 33 Km, M = 4.5					
		SANTA CRUZ IS						
		LPB	ePKP	08 33 16				119.6
			eL	09 12				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	6	USCGS MOLUCCA SEA	10 03 05.8, 1.5S, 126.6E, H = 57 Km, M = 5.4					
		LPB	iPKP	10 23 01.0				157.0
			PKP2	29.5				
			eSS	47 09				
			eL	11 17				
JAN	6	LPB	eP	10 30 29				
			i	38.2				
JAN	6	PNS	eP	11 17 16.5				2.4
			S	46				
JAN	6	PNS	P	13 40 15		1.3	17	
JAN	6	PNS	P	14 37 30.4		0.7	6	3.2
			S	38 08.7				
JAN	6	PNS	iP	15 09 23.0	D	0.5	10	2.1
			S	48.4				
		LPB	eP	15 09 24				
JAN	6	CCH	eP	15 54 38.3				
		LPB	eP	15 55 09				3.8
			S	53.5				
		PNS	eP	15 55 16.3				4.0
			S	56 04				
JAN	6	USCGS NR CST OF N CHILE	19 04 38.5, 25.3S, 70.9W, H = 33 Km, M = 4.5					
		CCH	eP	19 06 48.9				
		LPB	P	19 06 51				9.3
			i	07 06.7				
		PNS	eP	19 06 53				
			i	07 06.4				
			e	24				
			eS	08 34				
JAN	6	PNS	P	20 02 55.4		1.1	7	
JAN	6	LPB	eP	20 29 08.5		0.8	7	
		CCH	eP	20 29 15.5				
JAN	6	PNS	eP	21 02 55.4				2.6
			S	03 26.7				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	6	LPB	iP	21 40 52.7	C	1.0	42	3.3
			i	41 15				
			eS	31.5				
		PNS	iP	21 40 53.2	C	1.1	18	3.2
			S	41 30				
		CCH	P	21 40 54.0	C			
JAN	7	USCGS	00 27 25.2, 48.8S, 112.7E, H = 33 Km, M = 5.8					
		SE INDIAN RISE						
		PNS	ePKP	00 46 02				
			PP	47 06				
			PKS	49 34.8				
			eSS	01 02 59				
			eL	21.9				
		CCH	ePKP	00 16 03.0				
		LPB	ePKP	00 46 05				114.6
			i	47 07				
			PP	25				
			PS	56 41				
			eSS	01 03 00				
			eL	23				
JAN	7	LPB	P	03 34 52.7		1.2	25	6.5
			i	35 09.2				
			eS	36 07				
		PNS	eP	03 34 53		1.0	29	6.4
			i	35 11.4				
			S	36 06				
		CCH	eP	03 34 55.0				
JAN	7	CCH	iP	04 47 42.3	D			
		LPB	iP	04 47 47.7	D	1.2	57	5.1
			i	48 22.5				
			eS	47				
		PNS	iP	04 47 51.2	C	1.3	43	58.8
			eS	48 50				
JAN	7	PNS	eP	05 37 51				5.7
			S	38 56.4				
		LPB	eP	05 38 02.5				
JAN	7	LPB	eP	06 27 36.5				
		PNS	P	06 27 38.0		0.4	4	2.4
			S	28 07				
JAN	7	PNS	P	06 48 37.8		0.5	4	1.9
			S	49 00.5				
JAN	7	PNS	P	08 51 28.3		0.6	3	1.8
			S	50.2				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	7	PNS	iP	04 38 18.4	C	0.6	24	3.1
			S	38 54				
		LPB	iP	09 38 23.0	C	1.0	36	3.7
		CCH	eP	09 38 48.5				
JAN	7	LPB	eP	10 58 37				
		PNS	P	10 58 40		1.0	7	
			e	46				
JAN	7	PNS	eP	11 03 57		1.4	24	
			e	04 19.8				
		LPB	eP	11 04 00		1.4		
JAN	7	USCGS	11 33 00.5, 12.3S, 166.1E, H = 33 Km, M = 4.7					
		SANTA CRUZ IS						
		LPB	ePKP	11 51 49				119.3
			eL	12 28				
JAN	7	LPB	eP	12 08 58				
		PNS	P	12 09 06.3		0.4	4	6.6
			eS	10 22				
JAN	7	USCGS	13 03 44.9, 48.2N, 102.8E, H = 33 Km, M = 5.0					
		MONGOLIA						
		PNS	PKP	13 23 26.5	C	1.1	23	
			ePKP	35				
		LPB	ePKP	13 23 27		1.0	16	147.5
			eL	14 13				
JAN	7	USCGS	13 34 48.3, 11.8N, 142.7E, H = 36 Km, M = 5.6					
		S OF MARIANA IS						
		PNS	PKP	13 54 33.9		1.0	12	
			pPKP	47				
			eL	14 45.6				
		LPB	ePKP	13 54 34		1.1	34.5	149.4
			pPKP	46.6				
			eL	14 45				
		CCH	PKP	13 54 42.9				
JAN	7	PNS	eP	14 16 00.4				5.6
			S	12 05				
JAN	7	PNS	P	15 55 15.4	C	0.5	8.3	7.6
			eS	56 41				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	7	LPB	eL	16 49				117.9
JAN	7	PNS	P	16 26 11.6	D	0.7	9	1.4
			S	30.0				
		LPB	eP	16 26 14				117.9
JAN	7	USCGS	16 41 03.0, 11.9S, 166.1E, H = 33 km, M = 5.1					
		SANTA CRUZ IS						
		PNS	ePKP	16 59 53.2		0.5	3	
		LPB	eL	17 37				119.2
JAN	7	LPB	eP	17 39 39.5		0.6	7	
		PNS	eP	17 39 43.7				3.9
			S	40 29.4				
JAN	7	USCGS	19 24 15.3, 17.4N, 98.8W, H = 68 Km, M = 4.9					
		GUERRERO, MEXICO						
		PNS	P	19 32 24.3				45.3
			iPP	35.8				
			ePP	34 11				
			eL	45.9				
		CCH	P	19 32 53.7				
JAN	7	LPB	eP	21 06 47.5		1.0	10	
			i	53				
			i	07 06.5				
		PNS	eP	21 06 48		0.9	10	
		CCH	eP	21 06 52.4				
JAN	7	PNS	P	23 10 42.7		0.6	3	2.2
			S	11 09.0				
		LPB	eP	23 10 45		1.0	10	
			S	11 11				
JAN	7	LPB	P	23 43 30.8		1.1	23	
		PNS	eP	23 43 32.6				
JAN	8	LPB	eP	01 32 28				
JAN	8	USCGS	02 28 16.7, 22.4S, 69.3W, H = 90 Km, M = 4.4					
		M CHILE						
		CCH	P	02 29 41.7				
		LPB	iP	02 29 45.3	D	1.1	4.8	6.3
			PP	30 02				
			PG	37.8				
				31 02				
		CCH	P	02 29 41.7				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	8	LPB	P	02 47 27		1.0	40	
			i	47.2				
			(S)	48 38.5				
		CCH	P	02 47 123				
JAN	8	USCGS	05 02 52.1, 56.0N, 162.9E, H = 33 Km, M = 5.1					
		NR E CST OF KAMCHATKA						
		LPB	ePKP	05 21 37				125.1
			eL	06 02				
JAN	8	CCH	iP	05 22 18.5	D			
		LPB	P	05 22 51.2				3.0
			i	57.8				
			S	23 26.7				
JAN	8	USCGS	05 06 47.7, 56.1N, 162.9E, H = 23 Km, M = 4.9					
		NR E CST OF KAMCHATKA						
		LPB	ePKP	05 25 47				125.1
			eL	06 05				
JAN	8	LPB	P	06 52 02.0				2.1
			S	27				
JAN	8	USCGS	06 43 32.3, 56.1N, 162.8E, H = 44 Km, M = 4.9					
		NR E CST OF KAMCHATKA						
		LPB	eP	07 02 30		1.2	8	
JAN	8	LPB	eP	07 35 45.5				
JAN	8	USCGS	07 37 28.9, 33.6N, 118.4W, H = 16 Km, M = 4.4					
		S CALIFORNIA						
		LPB	eP	07 48 29.5				69.0
JAN	8	USCGS	08 07 58.2, 11.7S, 165.1E, H = 35 Km, M = 5.0					
		SANTA CRUZ IS						
		LPB	ePKP	08 26 41.5				120.3
			eL	09 04				
JAN	8	USCGS	08 26 56.8, 33.5N, 118.4W, H = 15 Km, M = 4.5					
		S CALIFORNIA						
		LPB	eL	09 00				69.0
JAN	8	LPB	P	08 40 26.5		0.9	8	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	8	LPB	P	08 44 17.8		1.0	8.0	
JAN	8	USCGS	08 31 59.7, 56.2N, 162.7E, H = 24 Km, M = 4.9					
		NR E CST OF KAMCHATKA						
		LPB	eL	10 31 00				125.1
JAN	8	LPB	P	13 52 49		0.7	14.2	7.2
			S	54 11.5				
		PNS	P	13 52 52.5		0.6	20.8	7.1
			eS	54 14				
JAN	8	USCGS	15 27 16.9, 12.2S, 166.5E, H = 40 Km, M = 5.1					
		SANTA CRUZ IS						
		LPB	eL	16 23.5				118.7
JAN	8	LPB	eP	21 10 25		1.1	6.9	
			i	10 49.2				
JAN	9	LPB	eP	00 24 56				
JAN	9	CCH	eP	01 17 00.9				
		LPB	P	01 17 03.5		1.1	11.5	
			e	17 42.5				
		PNS	eP	01 17 06				
JAN	9	USCGS	01 55 13.6, 27.7N, 54.5E, H = 17 Km, M = 5.3					
		S IRAN						
		CCH	ePKP	02 14 14.6				
		LPB	ePKP	02 14 17.5		1.2	15.6	126.1
			pPKP	14 29.3				
			eL	03 55				
		PNS	PKP	02 14 18.2	C	0.8	7.5	
			eL	55				
JAN	9	PNS	P	04 49 13				
			i	49 37.7				
			e(S)	51 27				
			eL	52.3				
		LPB	P	04 49 14		1.1	4.6	
			e	49 33				
		CCH	eP	04 49 17.9				
JAN	9	LPB	P	06 40 55.6		0.7	5.2	
		PNS	P	06 40 58.3		0.8	8.5	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	9	PNS	P	07 08 00.2		0.5	4.5	
		LPB	P	07 08 01.2				
JAN	9	LPB	P	07 20 30		1.0	12.0	
		CCH	eP	07 20 30.7				
		PNS	iP	07 20 32.1	D	0.4	4.3	8.8
			eS	22 11				
			eL	23.7				
JAN	9	PNS	eP	09 05 22				9.0
			S	07 03.6				
		LPB	P	09 05 28.2		1.0	12.0	
JAN	9	USCGS	09 39 38.7, 24.1N, 122.6E, H = 50 Km, M = 5.4					
		TAIWAN REG						
		PNS	PKP	09 59 44.9		1.0	6.9	
		LPB	PKP	09 59 45		1.0	6.0	166.9
JAN	9	LPB	iP	10 48 26.2		1.1	62.0	5.7
			i	48 33.6				
			S	49 31.5				
		PNS	iP	10 48 27.7	C	1.0	20.8	5.8
			eS	49 33				
		CCH	P	10 48 29.3				
JAN	9	LPB	eP	11 11 38				
		PNS	eP	11 11 39.3				1.9
			S	12 02				
JAN	9	PNS	eP	11 21 16.6				
		LPB	eP	11 21 42				
JAN	9	USCGS	11 39 41.6, 44.0N, 128.3W, H = 33 Km, M = 4.3					
		OFF CST OF OREGON						
		LPB	eL	12 18				81.5
JAN	9	PNS	eP	13 07 16.3				2.0
			S	07 40.5				
JAN	9	USCGS	13 24 39.0, 28.0S, 67.2W, H = 119 Km, M = 4.5					
		LA RIOJA PROVINCE, ARGENTINA						
		LPB	P	13 27 22				11.3
			iPP	27 34				
			eS	29 24				
			eL	30.3				
		PNS	P	13 27 26.0		0.6	4.2	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	9	CCH	eP	14 36 43.7				
		LPB	eP	14 36 46				
		PNS	eP	14 36 47.8		0.8	3.1	
			e(S)	37 34				
JAN	9	USCGS	15 10 57.6, 4.6S, 151.8E, H = 138 Km, M = 4.6					
		NEW BRITAIN REGION						
		PNS	ePKP	15 30 04.5				
		LPB	eL	16 15				135.0
JAN	9	PNS	P	16 49 05.2				
			e	49 14.3				
		LPB	eP	16 49 06				
			i	49 14				
JAN	9	CCH	iP	17 29 41.4	D			
		LPB	iP	17 29 48.2	C	0.9	54.4	3.2
			i	29 55.2				
			S	30 25.5				
		PNS	iP	17 29 51.7	C			3.5
			iS	30 32.9				
JAN	9	USCGS	17 47 41.6, 12.3S, 166.6E, H = 33 Km, M = 4.8					
		SANTA CRUZ IS						
		LPB	eL	18 44				118.8
JAN	9	USCGS	18 09 23.9, 5.1N, 77.6W, H = 40 Km, M = 5.2					
		NR W CST OF COLOMBIA						
		PNS	P	18 13 24.7	D	1.6	198.0	
			pP	13 33.0				
			PP	13 56.6				
			eS	17 27				
			L	19.1				
			eSeS	24 28				
		LPB	P	18 13 29.5		1.5	182.0	23.4
			pP	13 38.2				
			i	13 52.6				
			PP	14 01.2				
			eS	17 30.5				
			eL	19				
		CCH	iP	18 13 46.2	D			
			pP	13 57.0				
JAN	9	PNS	eP	18 20 40.8		2.0	280.0	
		LPB	eP	18 20 42		1.8	110.3	
JAN	9	USCGS	18 31 33.6, 11.9S, 165.9E, H = 33 Km, M = 4.3					
		SANTA CRUZ IS						
		LPB	eL	19 27.5				119.4

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	9	USCGS	19 03 44.3, 15.5S, 176.1W, H = 339 Km, M = 5.0					
		FIJI IS REG						
		PNS	eP	19 17 00				
JAN	9	PNS	iP	19 27 20.1	D	0.8	17.1	2.3
			S	27 48				
		LPB	P	19 27 20.5		1.0	20.6	
			i	27 47.7				
		CHA	P	19 27 22.4				
JAN	9	USCGS	19 47 06.0, 11.5S, 165.4E, H = 78 Km, M = 5.5					
		SANTA CRUZ IS						
		LPB	e(PKP)	20 05 51		1.3	19.6	119.7
			eL	45				
		PNS	iPKP	20 05 52.3	D	1.7	58.2	
			eL	44				
JAN	9	PNS	P	20 53 20.4		1.0	9.7	
JAN	9	LPB	P	20 58 33		0.9	13.6	11.7
			e	58 50.5				
			eS	21 00 44				
			eL	01.6				
		PNS	P	20 58 33		0.6	4.3	9.7
			e	58 50				
			S	21 00 21.8				
			eL	01.7				
JAN	9	USCGS	21 58 24.9, 37.0N, 141.1E, H = 33 Km, M = 4.2					
		NR E CST OF HONSHU, JAPAN						
		PNS	iPKP	22 18 05.6	C	1.0	6.9	
		LPB	ePKP	22 18 06				147.1
			eL	23 08				
JAN	9	LPB	eP	22 43 53				
		PNS	eP	22 43 56.5				
JAN	10	CCH	eP	01 48 33.0				
		PNS	P	01 48 59		1.0	6.9	
			eL	02 03.6				
		LPB	eP	01 49 02				
			eL	02 03				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	10	USCGS	04 58 03.1, 25.3S, 70.8W, H = 32 Km, M = 4.3					
		NR CST OF N CHILE						
		CCH	P	05 00 14.0				
		LPB	P	15 00 15.6		0.9	7.6	9.0
			i	00 20.6				
			eS	01 55.5				
			eL	02.6				
		PNS	iP	05 00 16.0	C			
			S	02 00				
			eL	02.6				
		CHA	P	05 00 17.7				
JAN	10	LPB	eP	05 19 44.5		0.9	6.8	
		PNS	P	05 19 44.6		0.5	2.6	
JAN	10	PNS	P	08 00 08.5		0.6	6.9	3.5
			S	00 50.0				
		LPB	eP	08 00 09.2				4.5
			S	01 01				
		CHA	P	01 00 13.7				
		CCH	e(P)	08 00 53.5				
JAN	10	USCGS	08 30 25.6, 36.6N, 138.0E, H = 33 Km, M = 4.4					
		HONSHU, JAPAN						
		LPB	PKP	08 50 10.5				149.4
		PNS	ePKP	08 50 12.7				
JAN	10	PNS	P	08 54 16		0.6	1.9	
JAN	10	PNS	P	11 28 12.2		0.5	5.8	2.0
			S	28 36.2				
		LPB	eP	11 28 13				2.0
			eS	28 37				
		CHA	P	11 28 14.8				
JAN	10	LPB	eP	13 17 09.5		0.6	4.8	3.2
			S	17 46.6				
		PNS	P	13 17 10.7		0.6	3.8	3.3
			eS	17 50				
JAN	10	PNS	eP	13 45 26.6				2.3
			S	45 53.7				
		LPB	eP	13 45 32				2.6
			S	46 03.5				
JAN	10	USCGS	13 34 05.8, 19.6S, 175.8W, H = 33 Km, M = 5.0					
		TONGA IS						
		LPB	eL	14 22				100.2

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	10	PNS	iP	16 08 04.9	D	0.5	10	1.9
			S	27.5				
		LPB	eP	16 08 25				
JAN	10	PNS	eP	17 26 13.6		0.6	4	
		LPB	eP	17 26 15.5				
		CCH	P	17 26 31.4				
JAN	10	PNS	P	17 44 22.9		0.6	4	4.9
			eS	45 17.6				
JAN	10	USCGS	18 03 46.7, 11.5S, 165.8E, H = 33 Km, M = 4.8					
		SANTA CRUZ IS						
		PNS	PKP	18 22 36.4		1.3	11	
			eL	19 01				
		LPB	ePKP	18 22 37				119.7
JAN	10	USCGS	18 06 56.9, 11.5S, 165.7E, H = 24 Km, M = 4.7					
		SANTA CRUZ IS						
		LPB	ePKP	18 25 48				119.7
		PNS	ePKP	18 25 48.8		1.0	5	
JAN	10	USCGS	18 55 44.7, 11.6S, 166.4E, H = 33 Km, M = 4.9					
		SANTA CRUZ IS						
		PNS	ePKP	19 14 33				119.2
			eL	51				
JAN	10	LPB	e(P)	20 17 42				
			eL	29				
		PNS	e(P)	20 17 53				
JAN	10	PNS	eP	21 23 46.4		0.7	6	1.3
			i	24 02.3				
			eS	25 52.8				
		LPB	P	21 24 08.2		1.0	20	
JAN	10	LPB	eP	22 06 09				
		PNS	eP	22 06 13		0.7	3	15.6
			i	56				
			S	09 05.4				
JAN	10	LPB	eP	22 15 02		1.0	10	
		PNS	P	22 15 02.0		1.0	10	
			i	11.7				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	10	USCGS	22 24 26.3, 15.5S, 70.7W, H = 38 Km, M = 4.9					
		NR CST OF N CHILE						
		LPB	P	22 26 40.2		0.9	22	9.4
			i	51.5				
			eS	28 56.5				
			L	29.8				
		PNS	iP	22 26 41.7	D	0.6	16	
			i	55.9				
			S	28 54.8				
			L	29.9				
		CCH	P	22 26 38.6				
			i	48.8				
			P	22 26 43.5				
JAN	10	PNS	iP	23 51 25.9	D			2.0
			S	50.2				
		LPB	iP	23 51 26.3	D	0.9	34	2.2
			S	52.5				
		CHA	iP	23 51 29.0	D			
		CCH	eP	23 51 43.5				
JAN	11	USCGS	01 20 45.8, 11.5S, 165.7E, H = 53 Km,					
		SANTA CRUZ IS						
		PNS	ePKP	01 39 36				
		LPB	ePKP	01 39 37				119.0
JAN	11	PNS	P	02 04 57.4				2.3
			eS	05 24.5				
JAN	11	USCGS	02 58 01.2, 11.4S, 165.6E, H = 33 Km, M = 5.3					
		SANTA CRUZ IS						
		LPB	PKP	03 16 52		1.1	14	119.9
			eL	04 56				
		PNS	PKP	03 16 52.2		1.1	10	
			eL	03 55.3				
		CCH	ePKP	03 16 52.4				
JAN	11	CCH	P	04 11 29.2	D			
		LPB	P	04 11 57.7	D	0.8	6	2.2
			eS	12 23.5				
		CHA	eP	04 12 01.0				
		PNS	P	04 12 05.7		0.5	4	2.6
			S	36.9				
JAN	11	CCH	P	05 53 57.2				
		LPB	P	05 54 27.2		0.6	5	2.8
			S	55 00				
		PNS	P	05 54 35.2		0.6	15	3.2
			S	55 12.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	11	LPB	e(P)	06 01 29.5				
		CCH	eP	06 01 31.1				
		PNS	eP	06 01 42.1				
JAN	11	USCGS	05 54 00.1, 0.1S, 120.1E, H = 23 Km, M = 5.6					
		N CELEBES						
		CCH	ePKP	06 14 02.2				
			PKP2	42.1				
		PNS	PKP	06 14 02.4		1.8	67	
			PKP2	46.8				
			PKS	17 31				
			ePP	18 32				
			eL	07 10.5				
		LPB	PKP	06 14 02.7		0.9	12	161.5
			PKP2	46.7				
			eL	07 10				
JAN	11	USCGS	07 26 38.3, 11.5S, 165.8E, H = 14 Km, M = 4.0					
		SANTA CRUZ IS						
		PNS	ePKP	07 45 33		1.2	9	
		LPB	ePKP	07 45 32				124.0
JAN	11	LPB	eL	09 14				
JAN	11	LPB	eP	09 34 55.5		0.8	8	
		PNS	P	09 34 56.3				
JAN	11	PNS	eP	10 11 47.7				
			e	12 01.6				
			e(S)	13 52.6				
		LPB	eP	10 11 56.5		1.2	5	
JAN	11	USCGS	10 43 38.6, 11.5S, 165.5E, H = 33 Km, M = 4.7					
		SANTA CRUZ IS						
		LPB	ePKP	10 52 35.8				124.0
			eL	11 32				
		PNS	ePKP	10 52 36.8		1.0	4	
JAN	11	USCGS	11 03 40.9, 11.3S, 165.6E, H = 33 Km, M = 4.5					
		SANTA CRUZ IS						
		PNS	eL	12 00.9				
		LPB	eL	12 01				120.1
JAN	11	USCGS	11 20 45.7, 34.1N, 45.7E, H = 34 Km, M = 5.6					
		IRAN-IRAG BOR REG						
		PNS	PKP	11 39 33.7	C	1.6	60	
			pPKP	43.0				
			PP	40 55.4				
			eL	12 15.8				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		LPB	PKP	11 39 34.7		1.4	28	118.6
			eL	12 16				
JAN	11	USCGS	11 3[illegible] 28.1, 11.4S, 165.6E, H = 33 Km, M = 4.5					
		SANTA CRUZ IS						
		LPB	ePKP	11 51 17				120.1
		PNS	PKP	11 51 17.8		0.8	4	
JAN	11	USCGS	11 5[illegible] 14.1, 6.8S, 146.3E, H = 46 Km, M = 5.6					
		E NEW GUINEA PRG						
		LPB	ePKP	12 09 38				138.2
		PNS	PKP	12 09 41.8		0.7	3	
JAN	11	PNS	P	12 35 01.1				3.2
			eS	38.6				
JAN	11	LPB	P	12 52 28.6	C	1.0	24	2.0
			eS	52.5				
		PNS	iP	12 52 32.7	C	0.5	17	
JAN	11	LPB	eP	13 25 54				6.5
		PNS	P	13 25 58.3				
			eS	27 12.3				
JAN	11	PNS	P	13 43 56.7		2.0	99	
			L	55.7				
		LPB	eP	13 44 02		1.6	43	
			eL	52				
JAN	11	PNS	P	13 51 54.4				2.6
			S	52 26				
JAN	11	CCH	P	13 52 23.6				
		PNS	eP	13 53 07.8				3.0
			eS	42				
		LPB	eP	13 52 58				3.3
			S	53 36.7				
JAN	11	USCGS	16 08 06.1, 5.3N, 82.5W, H = 22 Km, M = 5.3					
		S OF PANAMA						
		PNS	P	16 13 36.0		1.6	54	
			i(PP)	44.8				
			PP	14 20.2				
			i	15 21				
			S	18 02				
			eL	20.9				
		LPB	P	16 13 39.5		2.5	418	26.0
			ipP	48.2				
			ePP	14 24.5				
			S	18 03				
			L	21.3				
		CCH	P	16 13 57.1				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	11	PNS	P	16 32 28		0.6	4	3.1
			eS	33 04				
JAN	11	PNS	P	20 28 59.8		0.6	7	3.1
			S	29 36.3				
		LPB	eP	20 29 06				
JAN	11	PNS	P	20 49 48		0.5	2	2.1
			S	50 12.7				
JAN	11	PNS	P	21 29 55.3		0.7	8	
			e(S)	30 53				
		LPB	eP	21 29 53				
JAN	11	LPB	P	21 35 31.7		0.8	17	3.0
			S	36 06.5				
		PNS	iP	21 35 33.7	D	0.6	21	3.1
			iS	36 10.5				
		CCH	P	21 35 39.4	D			
JAN	12	PNS	iP	00 57 47.4	D			1.9
			S	58 10				
		LPB	eP	00 57 48.5		0.8	7	
		CHA	eP	00 57 49.2	D			
JAN	12	PNS	P	01 03 58.5				3.2
			S	04 36.7				
		CHA	P	01 04 02.3				
JAN	12	PNS	eP	01 53 36.6				5.6
			e	43.4				
			S	54 40.6				
		CHA	eP	01 53 38.6				
		LPB	P	01 53 45.7		0.9	5	6.0
			i	50.5				
			S	54 55.2				
JAN	12	USCGS	02 55 39.9, 25.6S, 70.9W, H = 8 Km, M = 4.2					
		NR CST OF N CHILE						
		LPB	eP	02 57 57				9.4
			ePP	58 11				
			eS	59 41.5				
			eL	03 01.3				
		CCH	eP	02 57 58.1				
		PNS	eP	02 58 02				
			e	14				
			eSS	03 00 05.4				
			eL	03 01.4				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	12	USCGS	05 17 22.4, 56.1S, 26.7W, H = 33 Km, M = 5.4					
		S SANDWICH IS REG						
		CCH	P	05 26 05.4				
		LPB	P	05 26 19.2	C	1.0	28	50.2
			eL	42				
		CHA	P	05 26 20.6				
		PNS	iP	05 26 22.6	C	0.9	36	
			i	43.4				
			i	56.4				
			S	33 32				
JAN	12	LPB	eP	06 29 07		1.0	6	
		PNS	P	06 29 07.2				7.1
			S	30 26.8				
JAN	12	LPB	P	10 14 53.6		1.8	18	
		PNS	eP	10 14 53.6		0.9	18	
		CHA	P	10 14 53.6				
JAN	12	PNS	P	11 06 03.5		0.6	4	2.2
			S	06 30				
JAN	12	PNS	eP	12 22 21				
			(S)	23 11				
JAN	12	USCGS	12 24 48.9, 36.4N, 138.1E, H = 27 km, M = 4.4					
		HONSHU, JAPAN						
		PNS	ePKP	12 44 32		1.9	40	
			pPKP	41				
		LPB	ePKP	12 44 32.5				149.3
JAN	12	LPB	P	13 27 17.5				
		CHA	P	13 27 18.6				
		PNS	iP	13 27 21.0	C	0.5	11	
JAN	12	PNS	P	14 51 58.7		1.2	15	
			e	52 10				
		LPB	eP	14 51 59				
JAN	12	USCGS	17 04 08.7, 25.5S, 70.7W, H = 16 Km, M = 4.5					
		NR CST OF N CHILE						
		LPB	eP	17 06 20				9.1
			e	38.8				
			eS	08 00.3				
			L	09.4				
		CCH	P	17 06 24.5				
		CHA	eP	17 06 27.0				
		PNS	P	17 06 27.5		0.7	5	
			i	40.5				
			S	08 12.5				
			SS	27.8				
			eL	08.7				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	12	LPB	eP	19 16 14				12.7
			(S)	18 35.5				
		PNS	eP	19 16 24.9		0.6	3	11.7
			eS	18 36				
		CCH	eP	19 16 30.6				
JAN	12	PNS	eP	19 22 25				3.1
			S	23 01				
JAN	12	LPB	eP	20 00 09				
		PNS	eP	20 00 28.2				10.7
			eS	02 28				
JAN	13	LPB	P	02 32 06.2		0.7	8	
		PNS	P	02 32 07.4		0.8	6	
JAN	13	USCGS	04 26 15.5, 32.2N, 137.7E, H = 392 Km, M = 4.2 S OF HONSHU, JAPAN					
		LPB	eL	05 37				151.1
JAN	13	USCGS	06 47 34.6, 5.0N, 77.8W, H = 94 Km, M = 4.1 NR W CST OF COLOMBIA					
		PNS	eP	06 52 34.6				
			e(L)	58.7				
		LPB	eP	06 52 36				23.2
			eL	58				
JAN	13	USCGS	09 37 56.0, 63.2N, 151.1W, H = 126 Km, M = 4.0 CENTRAL ALASKA					
		PNS	eL	10 25.6				101.4
JAN	13	PNS	iP	11 10 35.5	D	0.4	7	2.5
			iS	11 05.5				
		LPB	eP	11 10 46				2.3
			S	11 14.6				
		CHA	iP	11 10 37.9	D			
JAN	13	PNS	P	11 53 04.3		0.5	3	
			i	05.6				
		LPB	eP	11 53 05				
JAN	13	USCGS	13 03 20.8, 25.2S, 71.0W, H = 33 Km, M = 4.6 NR CST OF N CHILE					
		LPB	eP	13 05 31				9.0
		PNS	iP	13 05 35.6	C	0.6	3	
			ipPP	51.9				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	13	USCGS	13 21 30.4, 11.6S, 164.9E, H = 28 Km, M = 4.7					
		SANTA CRUZ IS REG						
		LPB	ePKP	13 40 24				120.4
			eL	14 18				
JAN	13	USCGS	13 48 11.7, 10.6S, 161.4E, H = 32 Km, M = 5.7					
		SOLOMON IS						
		PNS	PKP	14 07 09.4		1.0	14	
			PP	08 52				
			ePS	18 56				
			eL	46.5				
JAN	13	LPB	eP	14 24 19				
		PNS	eP	14 24 24				
JAN	13	PNS	P	16 36 01.4				
JAN	13	PNS	P	16 43 12.9		0.6	4	1.8
			S	35				
JAN	13	LPB	eP	17 12 03				
		PNS	eP	17 12 03				
			e(S)	13 36				
JAN	13	PNS	iP	17 44 14.1	D	0.6	8	2.3
			eS	41				
JAN	13	USCGS	19 24 34.6, 25.2S, 70.4W, H = 59 Km, M = 4.5					
		NR CST OF N CHILE						
		LPB	eP	19 26 43.6		1.0	22	9.0
			eS	28 23.5				
		PNS	P	19 26 45.2	D	0.6	6	
			i	58.6				
			S	28 51				
			L	30.0				
JAN	13	PNS	iP	20 39 36.1		0.4	6	2.3
			S	40 02.8				
JAN	13	PNS	P	20 47 22.5		0.6	5	
		LPB	eP	20 47 14				
JAN	13	PNS	P	22 30 26.9		0.8	9	2.0
			S	51				
JAN	14	PNS	eP	08 51 42		0.8	5	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	14	PNS	P	09 10 18.3		0.5	5	
JAN	14	PNS	P	11 14 58.0		0.8	8	
JAN	14	USCGS	10 59 24.5, 39.1N, 70.6E, H = 25 Km, M = 4.9 TADZHIK SSR					
		PNS	eL	12 03.7				137.7
JAN	14	USCGS	12 04 50.7, 52.1N, 175.4E, H = 41 Km, M = 5.1 ALEUTIAN IS					
		PNS	ePKP	12 23 37		1.4	15	
			eL	13 01.4				
JAN	14	USCGS	12 41 17.4, 4.1S, 102.4E, H = 33 Km, M = 5.2 S SUMATRA					
		PNS	PKP	13 01 14.6	D	1.2	11	157.4
			iPKP2	47.8				
JAN	14	USCGS	13 34 00.3, 18.4N, 146.0E, H = 125 Km, M = 4.9 MARIANA IS					
		PNS	PKP	13 53 32.5		0.9	5	147.4
			PKP2	37.2				
JAN	14	PNS	P	13 58 46.5		0.6	3	7.9
			S	14 00 15.5				
JAN	14	USCGS	14 06 48.3, 43.4S, 39.1E, H = 33 Km, M = 5.3 PRINCE EDWARD IS REG					
		PNS	P	14 19 54.4	C	1.1	9	91
			i(PP)	20 00.9				
			PP	23 33				
JAN	14	USCGS	14 13 40.8, 11.3S, 165.7E, H = 33 Km, M = 4.7 SANTA CRUZ IS					
		PNS	PKP	14 32 31		1.4	21	120.1
JAN	14	PNS	P	14 55 44.6		0.4	2	2.5
			eS	56 14.8				
JAN	14	PNS	P	15 25 05		0.9	6	
JAN	14	USCGS	15 29 15.0, 44.6N, 81.5E, H = 33 Km, M = 5.0 N SINKIANG PROV, CHINA					
		PNS	ePKP	15 48 43.3		1.2	7.1	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	14	PNS	P	16 05 48.2		0.8	6	
JAN	14	PNS	iP	16 37 57.3	D	0.9	19	2.1
			iS	38 21.9				
JAN	14	LPB	eP	21 05 33				
			eL	16				
		PNS	P	21 05 34.2				12.2
JAN	14	PNS	P	21 11 27.2				
		LPB	P	21 11 32.2				
JAN	14	LPB	eP	22 24 21				
		PNS	P	22 24 35.8		0.6	5	
JAN	15	USCGS	01 28 56.3, 12.3S, 165.6E, H = 21 Km, M = 4.7					
		SANTA CRUZ IS						
		PNS	PKP	01 47 09.7		1.0	16	
		LPB	eL	02 25				119.7
JAN	15	LPB	eP	02 57 42.5				155.0
		PNS	P	02 57 44.3		0.5	8	
JAN	15	LPB	iP	03 34 06.8	D	0.8	98	
			e(S)	45				
		PNS	iP	03 34 11.3	D	0.6	113	3.2
			S	49.7				
JAN	15	PNS	P	04 14 45.3		0.6	6	
JAN	15	LPB	eP	06 02 30.5				7.1
			e	50.2				
			eS	03 51				
		PNS	iP	06 02 33.6	C	0.6	15	6.9
			S	03 51.8				
JAN	15	USCGS	05 44 37.1, 37.5N, 134.8E, H = 383 Km, M = 4.4					
		SEA OF JAPAN						
		LPB	eL	06 57				150.8
JAN	15	LPB	P	06 44 33				
		PNS	P	06 44 34		0.9	10	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	15	PNS	P	06 53 33.3		0.5	3	1.8
			S	55.8				
		LPB	P	06 54 04.8		0.8	3	
JAN	15	LPB	eP	10 51 28.5		0.9	12	3.4
			eS	52 09				
		PNS	iP	10 51 31.4	C	0.7	14	4.8
			S	52 26.5				
JAN	15	LPB	eP	10 51 28.5		0.9	12	3.4
			eS	52 09				
		PNS	iP	10 51 31.4	C	0.7	14	4.8
			S	52 26.5				
JAN	15	USCGS	12 17 45.9, 35.4N, 139.0E, H = 29 Km, M = 4.1					
		NR S CST OF HONSHU, JAPAN						
		PNS	ePKP	12 37 28.6				149.0
JAN	15	PNS	P	12 49 11				1.8
			S	33.2				
JAN	15	USCGS	15 05 37.3, 15.6S, 70.7W, H = 5 Km, M = 4.8					
		NR CST OF N CHILE						
		LPB	P	15 07 56.8		0.9	24	9.4
			eS	09 37				
			L	10.5				
		PNS	P	15 07 58.0		0.6	15	
			iPP	08 15.4				
			eS	09 45				
			L	10.3				
		CCH	P	15 07 56.0				
JAN	15	PNS	P	15 49 57		0.8	6	
JAN	15	PNS	P	15 53 27.7		0.6	4	
JAN	15	USCGS	18 03 18.0, 6.9N, 73.0W, H = 160 Km, M = 4.1					
		N COLOMBIA						
		LPB	eP	18 08 13				23.4
		PNS	P	18 08 14.2		0.9	9	
JAN	15	USCGS	19 58 45.6, 55.7N, 110.7E, H = 32 Km, M = 5.1					
		LAKE BAIKAL REG						
		LPB	ePKP	20 18 14				140.9
			eL	21 06				
		PNS	ePKP	20 18 15.4		1.9	59	
			eL	21 05.6				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	15	LPB	eP	20 36 39		1.2	18	
		PNS	eP	20 36 40		1.0	9	
JAN	15	USCGS	20 27 36.9, 29.0N, 43.3W, H = 33 Km, M = 4.7					
		N ATLANTIC RIDGE						
		LPB	eL	21 02				51.8
JAN	15	LPB	eP	20 48 33		1.0	12	
JAN	16	PNS	iP	02 08 32.4		0.8	11	1.6
			S	53				
JAN	16	PNS	P	02 30 57.4				1.9
			S	31 20.4				
JAN	16	USCGS	03 32 12.3, 36.2N, 138.2E, H = 38 Km, M = 4.6					
		HONSHU, JAPAN						
		PNS	PKP	03 52 01.1		1.0	9	
			pPKP	11.3				
			eL	04 42.4				
		LPB	PKP	03 52 02				149.4
			pPKP	12				
			eL	04 43				
		CCH	PKP	03 52 05.1				
JAN	16	PNS	P	04 27 36.3		0.4	7	3.0
			S	28 11.2				
		LPB	eP	04 27 41		0.7	3	
JAN	16	USCGS	04 44 27.3, 11.3S, 165.7E, H = 33 Km, M = 5.3					
		SANTA CRUZ IS						
		LPB	ePKP	05 03 19		1.1	7	120.0
			eL	42				
		PNS	ePKP	05 03 20		1.0	7	
			eL	41				
JAN	16	PNS	P	06 13 10.8		0.6	9	
		LPB	eP	06 13 06.8		0.8	7	
JAN	16	USCGS	07 11 12.1, 24.2S, 66.8W, H = 188Km, M = 5.4					
		SALTA PROV, ARGENTINA						
		CCH	iP	07 12 50.4	C			
		LPB	iP	07 13 04.0	C	1.2	203	8.8
			i	15.7				
			e	22.6				
			iS	14 30				
			SCS	26 12.5				
		PNS	iP	07 13 07.6	C			
			S	14 38				
			SS	48				
			L	15.2				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	16	USCGS	07 22 11.1, 5.2N, 77.6W, H = 34 Km, M = 4.7					
		NR W CST OF COLOMBIA						
		PNS	P	02 24 12.4		1.5	42	
			pP	22.2				
			i	37.3				
		LPB	P	07 27 17.8		1.3	36	22.4
			eL	33.5				
		CCH	P	07 27 32.5				
JAN	16	LPB	P	07 33 43.5		0.6	5	
			eS	35 05				
		PNS	P	07 33 46.8				7.8
			S	35 15				
			L	36.2				
JAN	16	PNS	e(P)	11 11 14.3				
		LPB	e(P)	11 11 18				
			eL	47				
JAN	16	LPB	eP	11 12 08.5				
		PNS	iP	11 12 12.5	C	0.5	7	
JAN	16	USCGS	11 09 08.4, 10.7S, 161.3E, H = 40 Km, M = 5.1					
		SOLOMON IS						
		PNS	PKP	11 28 02.2		1.5	28	
			pPKP	23				
			eL	12 07.8				
		LPB	ePKP	11 28 05		1.2	8	123.8
			eSS	46 50				
			eL	12 07.9				
JAN	16	PNS	P	12 09 25		0.6	9	1.8
			S	47.7				
JAN	16	PNS	P	12 16 33.5		0.4	10	2.0
			S	58				
JAN	16	LPB	eP	12 45 31				
		PNS	P	12 45 38.4				1.8
			S	46 00.8				
JAN	16	LPB	eP	12 54 12				
		PNS	P	12 54 15		0.7	6	
			e(S)	55 00				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	16	USCGS	14 26 22.9, 11.2S, 165.7E, H = 6 Km, M = 5.3					
		SANTA CRUZ IS						
		PNS	ePKP	14 45 17.4		1.3	27	
			pPKP	30.0				
			eL	15 23				
		CCH	ePKP	14 45 18.6				
		LPB	PKP	14 45 19		1.2	29	120.0
			PS	56 44				
			SS	15 03 15				
			L	24.8				
JAN	16	USCGS	14 39 09.0, 5.8N, 123.5E, H = 42 Km, M = 5.2					
		MINDANAO, PHILIPPINE IS						
		CCH	PKP	14 59 11.2				
		PNS	iPKP	14 59 12.3	C	1.4	85	
			PKS	15 02 44.3				
		LPB	PKP	14 59 12.5		1.4	68	164.2
			pPKP	26.0				
			eSS	15 24 15				
			eL	57				
JAN	16	USCGS	14 48 49.3, 11.3S, 165.7E, H = 33 Km, M = 5.1					
		SANTA CRUZ IS						
		LPB	ePKP	15 07 40.5				120.0
			eL	46				
		PNS	PKP	15 07 40.6		0.9	5	
JAN	16	USCGS	14 58 40.0, 11.3S, 165.7E, H = 33 Km, M = 4.7					
		SANTA CRUZ IS						
		LPB	eL	15 56				120.0
JAN	16	USCGS	15 30 44.7, 10.2N, 86.2N, 86.0W, H = 33 Km, M = 4.6					
		OFF CST OF COSTA RICA						
		LPB	eL	15 46				31.6
JAN	16	USCGS	16 02 22.7, 11.3S, 165.6E, H = 38 Km, M = 5.1					
		SANTA CRUZ IS						
		LPB	ePKP	16 21 12.5		1.0	12	120.2
			eL	17 00.4				
		PNS	PKP	16 21 12.7		0.9	7	
			pPKP	21.8				
			eL	16 59.4				
JAN	16	LPB	eP	16 35 04				
		PNS	P	16 36 02				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	16	PNS	P	17 19 33				
			e	38				
			e	46.6				
		LPB	P	17 19 46.5		1.0	16	
JAN	16	PNS	P	19 20 28.6				
			e	33.4				
		LPB	P	19 20 41.5		1.1	7	
JAN	16	LPB	eP	19 45 30.5				
		PNS	P	19 45 31.7		0.6	7	
JAN	16	PNS	P	21 53 25.9				
		LPB	eP	21 54 54.5				
JAN	16	LPB	eP	23 12 32				
		PNS	P	23 12 56		1.0	7	
			e	05.4				
JAN	16	USCGS	23 54 07.9, 34.0N, 136.8E, H = 365 Km, M = 4.1 S HONSHU, JAPAN					
		LPB	eL	01 04				151.0
JAN	17	USCGS	01 07 54.3, 27.4S, 63.3W, H = 590 Km, M = 5.5 SANTIAGO DEL ESTERO PROV, ARGENTINA					
		LPB	iP	01 10 31.4	C	0.9	272	11.7
			i	35.5				
			iS	12 37				
			(SCS)	21 40				
			L	13.5				
		PNS	iP	01 10 35.3	C	0.9	117	
			i	38.1				
			iS	12 44.0				
			L	13.0				
			PcP	16 30				
			e	23 57				
		CHA	iP	01 10 32.4	D			
JAN	17	USCGS	01 17 19.4, 14.7S, 167.2E, H = 90 Km, M = 4.9 NEW HEBRIDES IS					
		PNS	PKP	01 35 57.2		1.0	7	
		LPB	eL	02 13				117.0
JAN	17	LPB	eP	01 46 09		0.8	7	
		PNS	eP	01 46 19.7				
			e	48 31.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	17	LPB	eP	01 53 42		1.0	4	
		PNS	P	01 53 43.3		1.2	17	
JAN	17	PNS	eP	02 11 25.5				
		LPB	eP	02 11 32		0.7	5	
JAN	17	USCGS	04 52 33.1, 11.5S, 165.5E, H = 33 Km, M = 4.5					
		SANTA CRUZ IS						
		LPB	ePKP	05 11 23				120.0
			eL	49				
JAN	17	USCGS	05 58 09.0, 5.3S, 150.5E, H = 150 Km, M = 5.0					
		NEW BRITAN REG						
		PNS	ePKP	06 17 12.5		0.9	8	
		LPB	ePKP	06 17 16		0.9	3	136.0
			eL	07 02				
JAN	17	PNS	eP	06 58 40				
			e	50.9				
JAN	17	LPB	eP	07 53 50.5				7.0
			i	54 06.7				
			(S)	55 09.5				
		PNS	P	07 53 51.8		1.0	16	6.9
			i	57.7				
			eS	55 10				
		CHA	eP	07 53 56.5				
			i	54 02.5				
JAN	17	USCGS	10 25 22.7, 58.2S, 25.4W, H = 33 Km, M = 5.1					
		S SANDWICH IS REG						
		LPB	eP	10 34 32.4		0.8	15	51.8
			pP	44.0				
			eL	50				
		CHA	P	10 34 33.6				
		PNS	iP	10 34 35.8	C	0.8	17	
JAN	17	USCGS	11 59 31.5, 38.3N, 142.1E, H = 44 Km, M = 5.9					
		NR E CST OF HONSHU, JAPAN						
		CHA	PKP	12 19 07.2	D			
		LPB	iPKP	12 19 08.5	C	1.7	648	145.8
			pPKP	18				
			PP	22 36.5				
			SS	41 18				
			G	59				
			L	13 09.0				
		PNS	iPKP	12 19 09.0	C	1.9	774	
			ipPKP	22 17.8				
			PP	33.6				
			iPKS	45.0				
			PPP	25 52.3				
			SS	59.8				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	17	USCGS	12 26 20.8, 38.3N, 142.1E, H = 37 Km, M = 4.7					
		NR E CST OF HONSHU, JAPAN						
		PNS	PKP	12 45 58		1.0	9	
		LPB	PKP	12 45 59.5		0.9	19	145.8
			pPKP	46 43.7				
JAN	17	PNS	eP	13 17 39				
		LPB	eP	13 17 43.5				
JAN	17	LPB	eP	15 28 57		0.8	6	
		PNS	P	15 30 50.7		0.4	3	
JAN	17	PNS	eP	19 55 10.9				
		LPB	P	19 55 11.5		1.0	10	
JAN	17	USCGS	19 51 05.0, 11.4S, 165.5E, H = 23 Km, M = 4.7					
		SANTA CRUZ IS						
		LPB	eL	20 48				120.0
JAN	17	LPB	eP	20 55 33				
		PNS	P	20 55 35.7		0.8	6	
JAN	17	LPB	P	22 05 41.7		0.8	11	
		PNS	P	22 05 43.2		0.8	6	
JAN	17	LPB	P	22 18 07				
		PNS	P	22 18 08.1		1.7	37	
JAN	17	LPB	P	22 48 39		1.0	14	
		PNS	P	22 48 39.0		0.8	11	
			(S)	49 02.6				
		CHA	P	illegible				
JAN	17	PNS	iP	23 24 23.8	D	0.5	5	1.7
			S	45.3				
		CHA	P	23 24 30.3				
JAN	17	LPB	P	23 30 25.5		0.5	18	
			S	55				
JAN	18	PNS	P	00 11 36.5				1.8
			iS	58.6				
		CHA	P	00 11 38.0				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	18	LPB	eP	01 11 40				2.3
			S	12 07.8				
		PNS	P	01 11 42.3		0.4	4	2.3
			S	12 10				
		CHA	P	01 11 42.5				
JAN	18	PNS	P	02 37 53.3	D			1.8
			S	38 14.9				
JAN	18	LPB	P	03 00 14		1.0	10	
		PNS	P	03 00 14.2		0.9	13	
JAN	18	PNS	P	04 30 05.2				
		LPB	P	04 30 06		1.0	8	
JAN	18	USCGS	04 20 52.9, 48.9N, 154.9E, H = 40 Km, M = 5.4					
		KURILE IS						
		PNS	iPKP	04 40 05.8	C	1.2	45	
			eL	05 22.7				
		LPB	PKP	04 40 06		1.0	34	
			pPKP	17				
			eL	05 23				
JAN	18	LPB	eP	05 03 36.5				
		PNS	P	05 03 41.5		0.5	4	3.5
			S	04 23				
		CHA	P	05 03 45.1				
JAN	18	USCGS	05 34 34.8, 19.7N, 108.7W, H = 33 Km, M = 4.3					
		REVILLA GIGEDO IS REG						
		PNS	P	05 43 53.3	D	1.2	17	
			eS	51 21				
		LPB	P	05 43 57		1.0	10	53.5
JAN	18	USCGS	05 34 32.6, 56.6N, 120.8E, H = 11 Km, M = 6.1					
		E RUSSIA						
		LPB	ePKP	05 53 53.5		1.1	7	139.5
			iPKP	54 03.5				
			PP	56 54				
			eSKS	06 01 07				
			PS	09 11				
			SS	15 11				
			eL	40.5				
		PNS	PKP	05 53 53.8		1.1	9	
			pPKP	54 03.4				
			iPP	56 54.2				
			PPP	06 00 02				
			SKS	59.0				
			PPS	07 09				
			SS	15 13.8				
			G	31.9				
			L	40.5				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	18	PNS	eP	06 19 50		1.3	9	
JAN	18	PNS	eP	07 09 53.6		1.5	17	
			e	10 51				
		LPB	eP	07 09 58		0.9	3	
			e	10 50.5				
JAN	18	PNS	iP	07 56 56.5	C	0.4	2	0.8
			i	57 04.8				
			S	07.7				
JAN	18	USCGS	08 18 22.0, 52.5N, 168.2W, H = 37 Km, M = 5.7					
		FOX IS, ALEUTIAN IS						
		LPB	eP	08 32 46				109.4
			PP	37 15				
			eL	09 08				
		PNS	P	08 32 52		1.7	23	
			PP	33 03.6				
			PP	37 33				
			PS	46 45				
			eL	09 09.1				
JAN	18	LPB	P	08 35 55.5		1.4	32	
JAN	18	USCGS	08 29 03.4, 42.0N, 142.4E, H = 65 Km, M = 4.8					
		HOKKAIDO, JAPAN REG						
		LPB	ePKP	08 48 24				143.5
			eL	09 38				
		PNS	PKP	08 48 30.7		0.9	11	
JAN	18	LPB	P	09 53 46.1		0.9	24	
		PNS	iP	09 53 47.6	C	0.5	32	3.2
			S	54 25.3				
JAN	18	USCGS	10 23 46.9, 24.0S, 67.2W, H = 217 Km, M = 4.0					
		CHILE-ARGENTINA BOR REG						
		LPB	P	10 25 35.5		0.9	14.	7.6
			S	27 01.2				
		CHA	P	10 25 36.4				
		PNS	P	10 25 38.6				
			S	27 04.3				
			L	30.2				
JAN	18	PNS	P	12 28 29.8		0.5	7	
JAN	18	USCGS	13 46 33.9, 58.4S, 25.7W, H = 11 Km, M = 5.1					
		S SANDWICH IS REG						
		LPB	eP	12 55 39				51.9
		PNS	P	13 55 50	C	0.7	7	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	18	LPB	P	15 46 03.5		0.9	19	
		PNS	P	15 46 08		1.0	9	
JAN	18	PNS	P	15 51 45.9		0.6	5	9.3
			i	53.4				
			S	53 30.8				
		LPB	P	15 51 50		1.1	16	
JAN	18	PNS	iP	16 43 40.2	D	0.3	18	2.1
			iS	44 05.0				
		LPB	P	16 43 44		0.7	13	2.2
			S	44 10				
JAN	18	PNS	P	16 49 22.6	C	0.4	3	2.4
			S	51.5				
JAN	18	PNS	iP	20 24 27.8	D	0.3	5	2.5
			S	57.9				
		LPB	eP	20 24 37				2.4
			S	25 06.2				
JAN	18	LPB	P	20 47 06		0.6	6	
JAN	18	USCGS	21 49 25.8, 48.1N, 102.9E, H = 33 Km, M = 5.2					
		MONGOLIA						
		PNS	PKP	22 09 08.1		1.4	84	
		LPB	PKP	22 09 08.5		1.0	34	148.0
			pPKP	12.4				
			eL	59.4				
JAN	18	LPB	P	22 15 32.6		0.9	25	4.7
			S	16 26.8				
		PNS	P	22 15 37				6.6
			i	48.3				
			S	16 42				
JAN	19	PNS	eP	01 09 03.4				4.0
			S	50.7				
JAN	19	USCGS	00 58 27.8, 3.3S, 135.2E, H = 35 Km, M = 4.8					
		W NEW GUINEA REGION						
		PNS	PKP	01 18 14.5		1.7	19	
			i	19.6				
		LPB	ePKP	01 18 15		0.9	7	149.4
			i	19.2				
			eL	02 00				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	19	LPB	P	01 22 46		0.9	12	1.9
			S	23 09.5				
		PNS	iP	01 22 46.2				2.0
			S	23 10.0				
JAN	19	USCGS NICARAGUA	02 19 23.1, 12.4N, 26.7W, H = 211 Km, M = 4.1					
		PNS	P	02 25 49.1		0.9	7	
		LPB	eP	02 25 52		1.0	10	34.1
			eL	36				
JAN	19	PNS	iP	03 59 28.8	D	0.5	3	2.0
			S	53.1				
		LPB	eP	03 59 32				
JAN	19	LPB	eP	04 24 45				
		PNS	P	04 24 55.4				
JAN	19	LPB	eP	06 00 38				3.4
			S	01 18				
		PNS	eP	06 00 45				3.9
			iS	01 30.5				
JAN	19	USCGS SANTA CRUZ IS	06 18 21.8, 12.6S, 161.0E, H = 63 Km,					
		LPB	ePKP	06 37 13				119.2
JAN	19	PNS	P	07 37 04.5				2.8
			S	37.8				
		LPB	eP	07 36 55				2.6
			S	37 25.7				
JAN	19	PNS	P	08 48 07		0.6	5	
		LPB	eP	08 48 08				
			e	18.5				
JAN	19	PNS	P	09 00 40.0		0.8	7	7.1
			S	02 00.0				
		LPB	eP	09 00 43		1.2	13	8.1
			i	54				
			S	02 15.5				
JAN	19	PNS	iP	09 30 22.5	C	0.5	4	1.9
			S	46				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	19	USCGS	12 40 12.6, 14.8S, 178.8W, H = 18 Km, M = 6.6					
		FIJI IS REG						
		LPB	eP	12 54 15				104.4
			ePP	58 40				
			iSKS	13 05 10.5				
			iSS	24 23				
			L	29.4				
		PNS	eP	12 54 19				
			iPP	58 50				
			iSKS	13 05 13				
			eL	29.3				
JAN	19	USCGS	12 38 31.3, 11.8S, 166.4E, H = 156 Km, M = 5.5					
		SANTA CRUZ IS						
		PNS	iPKP	12 57 05.3	D	0.9	16	
			PP	58 30				
			i	06				
			iSS	13 10				
		LPB	PKP	12 57 05.5		1.0	**24**	119.5
			pPKP	55				
			PP	58 23.5				
			SKS	13 05 13.5				
			PS	07 36				
			SS	13 43				
			eL	34.6				
JAN	19	LPB	eP	13 07 19		1.0	16	
		PNS	P	13 07 20.9		1.0	13	
JAN	19	LPB	eP	13 30 45.9				
		PNS	P	13 30 45.9		0.4	6	
JAN	19	USCGS	14 41 36.7, 52.4N, 169.6W, H = 55 Km, M = 5.2					
		FOX IS, ALEUTIAN IS						
		LPB	ePKP	15 00 12				110.0
		PNS	eL	15 34				
JAN	19	PNS	P	16 02 10.4	D			2.2
			S	36.8				
		LPB	P	16 02 16		0.9	20	
			i	21.3				
JAN	19	PNS	P	16 23 56.6		0.8	9	
		LPB	eP	16 24 00		0.9	7	
JAN	19	PNS	P	16 56 12	C	1.0	14	
		LPB	iP	16 56 14.5		0.8	4	
			e	27				
JAN	19	PNS	iP	19 05 59.3	C			2.3
			iS	06 27.7				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	19	PNS	eP	19 30 47.7				2.5
			i	58.2				
			S	31 18				
	19	USCGS	19 43 24.3, 17.0N, 85.7W, H = 33 Km, M = 4.5					
		CARIBBEAN SEA						
		LPB	eP	19 50 34.5				37.8
			eL	20 07				
		PNS	eP	19 50 36.5				
			iPP	43.4				
			eL	20 01.7				
JAN	19	LPB	P	20 37 15		1.0	8	
			e	41				
JAN	19	PNS	iP	21 33 55.8	C	0.7	7	3.7
			S	34 38.7				
JAN	19	PNS	P	23 06 48.2		0.8	8	
			i	53				
		LPB	P	23 07 00.5		1.0	26	
JAN	20	PNS	P	00 30 02.0	C	0.6	6	
		LPB	eP	00 30 06				
JAN	20	USCGS	00 19 16.0, 3.7S, 151.9E, H = 33 Km, M = 5.2					
		NEW IRELAND REG						
		PNS	ePKP	00 38 33.3	C	1.0	8	
			eL	01 23.2				
		LPB	ePKP	00 38 41		0.9	8	
			eL	01 23				
JAN	20	USCGS	00 22 53.2, 3.9S, 152.0E, H = 23 Km, M = 5.0					
		NEW IRELAND REG						
		PNS	PKP	00 42 12		1.3	12	
			PKS	45 43.4				
		LPB	ePKP	00 42 13				135.3
			eL	01 26				
JAN	20	USCGS	00 59 42.3, 15.1S, 73.4W, H = 105 Km, M = 4.7					
		S PERU						
		LPB	P	01 01 01		0.9	134	5.4
			iPn	10.5				
			iPg	18.0				
			S	02 05.5				
		PNS	iP	01 00 36.3	C	0.8	114	
			S	02 01				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	20	LPB	eP	01 33 02				
		PNS	P	01 34 09.3		1.1	12	
JAN	20	LPB	eP	02 14 24.2				
		PNS	P	02 14 25.2		0.7	6	
JAN	20	USCGS MONGOLIA	01 57 23.1, 48.0N, 102.9E, H = 33 Km, M = 6.1					
		LPB	iPKP	02 17 04.6	C	2.0	850	148.0
			PKP2	09				
			PP	20 28.2				
			PKS	37.5				
			eSKS	24 30				
			ePS	31 40				
			eSS	39 21				
			G	58				
			L	03 07				
		PNS	iPKP	02 17 05.2				
			iPKS	20 28.4				
			SKS	24 16				
			iPPS	33 30				
			SS	39 40				
			iSSS	45 40.0				
			G	58				
			L	03 07.0				
JAN	20	USCGS MONGOLIA	03 28 44.8, 47.8N, 102.8E, H = 33 Km, M = 5.1					
		LPB	PKP	03 48 28.4	C	1.0	18	147,9
			eL	04 39				
		PNS	iPKP	03 48 48.8	C	1.8	120	
			L	04 39				
JAN	20	LPB	P	03 45 31		0.9	5	
		PNS	P	03 45 32.6		0.8	14	
JAN	20	USCGS MONGOLIA	03 27 13.9, 48.0N, 103.0E, H = 33 Km, M = 5.0					
		LPB	PKP	03 46 56.7		1.0	22	148.0
			eL	04 37				
		PNS	iPKP	03 46 57.0	C	1.2	40	
			eL	04 36.9				
JAN	20	USCGS W PAKISTAN	05 16 39.8, 32.3N, 69.8E, H = 70 Km, M = 5.1					
		PNS	PKP	05 37 54.4		0.5	2	
			i	40 15.6				
		LPB	ePKP	05 37 56				139.0
			eL	06 22				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	20	LPB	eP	05 54 21.5		1.0	14	
JAN	20	USCGS MONGOLIA	06 23 16.3, 47.9N, 103.1E, H = 33 Km, M = 5.0					
		LPB	PKP	06 42 59.3		0.9	10	
			eL	07 33				
		PNS	iPKP	06 42 59.5	C	0.9	22	
			eL	07 33.1				
JAN	20	LPB	P	12 26 20.5		0.9	14	
			(eS)	29 29				
		PNS	P	12 26 22		0.7	6	
JAN	20	PNS	P	12 29 52		1.2	34	
JAN	20	LPB	eP	12 36 59				
		PNS	iP	12 37 04.1	D	0.6	20	4.6
			i	21.6				
			S	57.4				
JAN	20	PNS	P	13 09 00.7	C	0.9	20	
			L	16.3				
		LPB	eP	13 09 03		0.8	13	26.0
			e	08.5				
			S	13 31				
			L	16.4				
JAN	20	LPB	eP	14 57 11.6		0.8	7	
			e	30				
		PNS	P	14 57 12.4		0.5	4	
			(S)	58 10				
JAN	20	PNS	P	16 31 50		0.5	3	
JAN	20	PNS	P	17 20 14.0		0.5	6	
		LPB	eP	17 20 30.5		0.8	6	
JAN	20	PNS	P	17 51 14.7		1.0	9	6.8
			S	52 32				
		LPB	P	17 51 17.5		1.0	16	
JAN	20	LPB	eP	18 44 06				
		PNS	iP	18 44 07.6	D	0.5	3	
JAN	20	PNS	P	19 17 31.6		0.6	3	2.8
			S	18 04.8				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	20	LPB	eP	19 37 15.5		0.6	5	4.8
			i	41.0				
			(S)	38 10.5				
		PNS	P	19 37 15.8		0.5	3	4.7
			i	41.8				
			S	38 10				
JAN	20	PNS	P	21 39 20.8		0.9	10	
		LPB	P	21 39 21.2		0.9	8	
JAN	20	USCGS	23 04 11.2, 24.2S, 67.5W, H = 206 Km, M = 4.4					
		CHILE-ARGENTINA BOR REG						
		LPB	iP	23 06 02.0	D	0.4	27	8.0
			ePn	4.7				
			S	07 29.5				
		CHA	P	23 06 04.6	D			
		PNS	P	23 06 05.0	D	0.5	8	
			S	07 30				
JAN	21	USCGS	00 41 32.2, 48.1N, 102.9E, H = 33 Km, M = 4.9					
		MONGOLIA						
		PNS	iPKP	01 01 14.5	C	1.2	25	
		LPB	P	01 00 15.5		1.0	14	
JAN	21	USCGS	02 54 00.8, 49.8S, 114.8W, H = 33 Km, M = 5.3					
		EASTER IS CORDILLERA						
		LPB	iP	03 02 55	D	1.3	28	49.9
			i	03 05.0				
			S	10 07				
			eSS	13 43				
			L	17.8				
		PNS	P	03 02 54.2	C	0.8	7	
			iPP	03 04.4				
			iS	10 16.0				
			iSS	13 46				
			iSSS	15 17				
			L	17.9				
		CHA	eP	03 02 56.2				
JAN	21	PNS	eP	03 28 18.5				
		LPB	eP	03 28 19.5				
JAN	21	PNS	eP	04 11 41.1				4.3
			S	12 32.5				
JAN	21	USCGS	04 27 51.2, 27.1N, 127.2E, H = 60 Km, M = 5.0					
		RYUKYU IS						
		PNS	ePKP	04 47 43	D			
			iPKP2	48 34.0				
			SS	05 12 41				
			L	44.7				
		LPB	ePKP	04 47 44				162.0
			eL	05 44.9				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	21	LPB	eP	04 57 44'				
		PNS	iP	04 57 46.1	C	0.5	5	
JAN	21	PNS	iP	07 10 06.6	C	0.5	4	4.8
			S	11 05				
JAN	21	USCGS	08 15 33.4, 17.8N, 145.9E, H = 104 Km, M = 4.8					
		MARIANA IS						
		PNS	ePKP	08 35 02.4	C			
			iPKP2	08.8				
			pPKP	31.6				
			L	09 25				
		LPB	PKP	08 35 07		1.0	12	147.5
			eL	09 24.8				
JAN	21	LPB	eP	09 02 49		0.9	5	
JAN	21	LPB	P	11 16 25		1.0	20	
		PNS	P	11 16 27.6		1.0	12	
JAN	21	LPB	eP	12 45 41				14.4
			eS	48 20.5				
		PNS	P	12 45 42.6				14.4
			S	48 21.6				
JAN	21	USCGS	12 40 31.7, 34.6N, 140.2E, H = 65 km, M = 4.3					
		NR E CST OF HONSHU, JAPAN						
		PNS	ePKP	13 00 13				
			eL	50.9				
		LPB	eL	13 51				148.7
JAN	21	LPB	iP	13 27 25.8		0.9	64	4.4
			i	30.6				
			S	28 16.5				
		CHA	iP	13 27 28.7	D			
		PNS	iP	13 27 30.1	C	0.6	41	4.8
			S	28 25				
JAN	21	CHA	P	13 49 28.4	D			
		LPB	eP	13 49 30		0.9	8	5.0
			i	35				
			S	50 27.5				
		PNS	eP	13 49 32.3				5.9
			i	46.5				
			iS	50 40.0				
JAN	21	USCGS	13 31 30.4, 3.3N, 97.3E, H = 102 Km, M = 5.3					
		N SUMATRA						
		PNS	ePKP	13 51 13.9		1.0	16	
		LPB	ePKP	13 51 14				
			eL	14 47				160.1

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	21	USCGS	13 48 14.1, 30.7S, 178.2W, H = 65 Km, M = 4.9					
		KERMADEC IS REG						
		LPB	ePKP	14 01 43				97.6
			L	14 34				
		PNS	eP	14 01 45.8		0.6	3	
			L	33.9				
JAN	21	LPB	eP	15 32 28				
		PNS	P	15 32 51.4		1.0	9	
JAN	21	USCGS	15 30 36.8, 1.8N, 84.4W, H = 33 Km, M = 4.5					
		OFF CST OF ECUADOR						
		PNS	iP	15 35 48.4	D	1.9	190	
			ipP	59.0				
			iPP	36 27.0				
			iPPP	35.0				
			eL	42.1				
		LPB	P	15 35 53.7		2.0	120	24.0
			PP	36 02.6				
			L	43				
JAN	21	LPB	P	19 34 22.5		0.7	6	
		PNS	P	19 34 27.7		0.9	12	
JAN	21	PNS	P	20 54 38	C	0.8	6	3.0
			S	55 12.1				
		LPB	eP	20 54 49				
JAN	21	USCGS	15 26 33.5, 29.8N, 139.7E, H = 444 Km, M = 3.8					
		S OF HONSHU, JAPAN						
		LPB	ePKP	21 45 30				151.0
			eL	22 37				
JAN	21	USCGS	23 09 50.0, 5.0S, 144.7E, H = 72 Km, M = 5.1					
		NR N CST OF NEW GUINEA						
		LPB	ePKP	23 29 09				140.8
		PNS	PKP	23 29 10.8		1.5	26	
JAN	22	PNS	P	00 13 05.3				3.8
			iS	49.0				
JAN	22	PNS	iP	02 39 50.3	D			1.8
			iS	40 12.8				
		LPB	iP	02 39 50.7		1.0	90	1.8
			S	40 13				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	22	LPB	eP	07 05 28				
		PNS	P	07 05 28.9		0.3	4	41.1
			eS	06 10				
JAN	22	LPB	e(P)	07 48 33				
		PNS	P	07 48 33.4	C	0.5	3	1.3
			S	50				
JAN	22	USCGS	08 18 14.4, 6.8N, 73.0W, H = 158 Km, M = 4.6					
		N COLOMBIA						
		PNS	P	08 23 11.2		0.6	6	
			iPP	45.5				
			S	27 28				
			eL	30				
		LPB	eP	08 23 12.5		0.8	15	24.3
			S	27 17				
			eL	30				
JAN	22	PNS	iP	08 53 02.9	C	1.0	23	26.5
			eS	57 35.6				
			eSS	58 36.6				
			eL	09 00.7				
		LPB	P	08 53 03.5		1.1	23	26.0
			eS	57 30				
			eL	09 00				
JAN	22	PNS	P	10 16 05.4	C	0.5	3	1.9
			S	28				
JAN	22	LPB	eP	10 37 46.5		0.7	5	2.2
			S	38 12.5				
		PNS	P	10 37 47.2	D	0.4	14	2.2
			S	38 13.7				
JAN	22	USCGS	10 30 03.0, 53.5N, 165.3W, H = 69 Km, M = 5.0					
		FOX IS, ALEUTIAN IS						
		LPB	ePKP	10 44 19				107.2
			eL	11 22				
		PNS	eL	11 21				
JAN	22	PNS	iP	11 38 11.6	C	0.6	18.8	2.4
			S	40.5				
		LPB	iP	11 38 14	C			
JAN	22	USCGS	11 50 50.9, 19.0S, 69.1W, H = 138 Km, M = 4.4					
		N CHILE						
		LPB	iP	11 51 35	C	0.6	112	2.9
			iS	52 10				
		PNS	iP	11 51 36.8	C			
			eS	52 10.6				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	22	USCGS	12 01 49.0, 48.1N, 102.9E, H = 33 Km, M = 5.1					
		MONGOLIA						
		LPB	PKP	12 21 24.2		1.2	22	147.6
			eL	13 11				
		PNS	PKP	12 21 28.3		0.5	11	
			i	22 55.5				
			eL	13 11				
JAN	22	USCGS	12 09 52.3, 8.8N, 93.7E, H = 36 Km, M = 4.9					
		NICOBAR IS REG						
		LPB	ePKP	12 29 52		0.9	7	160.5
			PKP2	30 34				
			eL	13 26				
		PNS	PKP	12 29 52.5		1.0	9	
			iPKP2	30 34.9				
JAN	22	USCGS	12 16 02.0, 48.0N, 102.9E, H = 33 Km, M = 5.0					
		MONGOLIA						
		LPB	PKP	12 35 45.5		1.0	18	147.5
			eL	13 26				
		PNS	iPKP	12 35 45.0	C	1.0	32	
			eL	13 26				
JAN	22	USCGS	13 42 18.0, 5.4S, 152.8E, H = 64 Km, M = 5.2					
		NEW BRITAN REG						
		LPB	ePKP	13 01 25				133.4
			eL	45				
JAN	22	LPB	eP	13 08 45.5				
		PNS	P	13 08 47.3		0.9	9	4.0
			eS	09 34.8				
JAN	22	PNS	P	13 34 28.3		1.1	14	
		LPB	eP	13 34 29		1.2	10	
JAN	22	LPB	eP	14 01 30.5				
		PNS	eP	14 01 32.6				
JAN	22	USCGS	14 21 44.0, 8.0S, 147.9E, H = 87 Km, M = 5.3					
		E NEW GUINEA REG						
		LPB	ePKP	14 40 54				136.8
			eL	15 26				
		PNS	ePKP	14 40 55		1.4	17	
JAN	22	LPB	eP	16 00 24.5				3.0
			e	30.2				
			eS	58.5				
		PNS	eP	16 00 27.8				3.9
			S	01 13				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	22	USCGS	19 22 01.4, 0.8S, 16.0W, H = 33 Km, M = 4.6					
		N OD ASCENSION IS						
		LPB	P	19 31 22.5		1.5	20	51.8
			eL	47				
JAN	22	LPB	eP	20 34 23.5				
JAN	22	LPB	eP	21 16 42				1.3
			iS	58.5				
JAN	23	LPB	eP	00 15 35				
			eL	34				
		PNS	eL	00 33.9				
JAN	23	LPB	eP	03 11 17				3.6
		PNS	eP	03 11 30				3.5
			S	12 11.4				
JAN	23	PNS	P	04 42 16.4		0.5	5	
		LPB	P	04 42 23.5		0.8	6	
JAN	23	LPB	P	05 19 39				
		PNS	iP	05 19 43.8	C	0.5	10	6.0
			S	20 52.9				
JAN	23	USCGS	09 27 48.1, 6.9N, 37.0W, H = 156 Km, M = 4.2					
		N COLOMBIA						
		LPB	eP	09 32 48		0.9	5	23.4
			eL	39				
JAN	23	USCGS	09 19 38.4, 0.7N, 122.5E, H = 166 km, M = 5.2					
		N CELEBES						
		LPB	PKP	09 39 24.4		1.0	18	160.9
			pPKP	40 08.2				
			eL	10 38				
JAN	23	LPB	eP	10 39 26				
JAN	23	USCGS	11 09 51.8, 27.7S, 176.9W, H = 60 Km, M = 5.1					
		KERMADEC IS						
		LPB	eL	12 28				166.5
JAN	23	LPB	eP	14 28 12.5				
		PNS	P	14 28 18.3		0.4	2	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	23	LPB	eP	14 54 54				
		PNS	P	14 54 57.2				
			i	55 04.1				
JAN	23	LPB	eP	15 13 22.5		1.0	10	
		PNS	P	15 13 23.5		0.9	11	
JAN	23	USCGS	18 34 06.0, 7.1S, 144.8E, H = 17 Km, NEAR S CST OF NEW GUINEA					
		PNS	PKP	18 53 31.3		0.8	5	
			pPKP	41.0				
		LPB	eP	18 53 32				139.5
			i	38				
			eL	19 40				
JAN	23	LPB	eP	20 00 19		0.8	7	
JAN	23	LPB	eP	20 29 04				
		PNS	eP	20 29 05.6		0.6	5	
JAN	23	USCGS	20 25 38.3, 19.9N, 109.3W, H = 56 Km, M = 5.3 REVILLA GIGEDO IS REG					
		PNS	P	20 34 59.5		1.0	49	
			eS	42 41				
			(SS)	48 39				
			L	51.6				
		LPB	P	20 35 02.6		0.9	37	54.0
			S	42 42				
			eSS	48 41				
			G	50.0				
			L	53				
JAN	23	LPB	P	20 39 29.5		0.9	10	
JAN	23	USCGS	20 47 56.7, 1.6S, 15.6W, H = 33 Km, M = 5.1 N OF ASCENSION IS					
		LPB	eP	20 57 17.5				54.0
			eL	21 14				
		PNS	P	20 57 21.3		1.0	10	
			i	58 26.9				
			eL	21 13.9				
JAN	23	USCGS	21 24 13.0, 19.8N, 109.3W, H = 33 Km, M = 4.4 REVILLA GIGEDO IS REG					
		PNS	iP	21 33 36.4	C	0.9	19	
			ipp	44.5				
		LPB	P	21 33 39.2		0.8	21	54.0
			ipp	47.3				
			eL	50				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	23	USCGS	21 46 49.8, 19.9N, 109.2W, H = 33 Km, M = 4.0					
		REVILLA GIGEDO IS REG						
		PNS	eP	21 56 11.7				
		LPB	eP	21 56 13				54.0
			eL	22 13				
JAN	23	USCGS	22 29 10.6, 17.9N, 145.6E, H = 171 Km, M = 4.6					
		MARIANA IS						
		PNS	ePKP	22 48 31.5		0.4	2	
		LPB	ePKP	22 48 32				147.7
			eL	23 38				
JAN	23	PNS	P	23 36 32.1				2.3
			i	59.7				
			S	37 00.1				
		LPB	iP	23 36 34.5	C	1.0	160	2.3
			e	52				
			iS	37 02.5				
		CHA	iP	23 36 36.4	D			
JAN	23	LPB	P	23 52 53		0.9	34	6.3
			e	53 08.8				
			S	54 05				
		CHA	iP	23 52 56.1	D			
		PNS	P	23 52 57.1		0.6	23	6.7
			i	53 19.2				
			S	54 13.4				
JAN	24	USCGS	00 26 48.1, 19.1S, 67.9W, H = 198 Km, M = 3.6					
		S BOLIVIA						
		LPB	iP	00 27 33.3	C	0.8	31	2.7
			Pg	39.5				
			S	28 04.5				
		CHA	iP	00 27 35.8	C			
		PNS	iP	00 27 37.1	C			
JAN	24	LPB	eP	00 51 30		1.0	12	6.9
			S	52 48.5				
		PNS	iP	00 52 41.2	D			2.1
			S	53 66.7				
		CHA	iP	00 52 44.3	D			
JAN	24	PNS	P	00 59 47.1		0.7	8	
		LPB	P	00 59 51.3		0.9	29	
			eL	01 18				
		CHA	P	00 59 51.9				
JAN	24	LPB	eP	01 10 35				
		PNS	eP	01 10 48.5		1.0	7	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	24	USCGS	01 44 13.8, 11.3S, 165.2E, H = 33 Km, M = 4.6					
		SANTA CRUZ IS						
		LPB	ePKP	02 03 08				120.4
			eL	41				
JAN	24	USCGS	03 05 39.0, 41.4N, 141.9E, H = 69 Km, M = 5.7					
		HOKKAIDO, JAPAN REG						
		PNS	ePKP	03 25 07.0		1.5	65	
			iPKS	28 40.6				
			eL	04 13.9				
		LPB	PKP	03 25 08.7		1.2	18	144.4
			ePKS	28 40				
			eSS	47 09				
			eL	04 14.6				
JAN	24	LPB	P	03 47 21.2		1.0	10	
JAN	24	LPB	eP	04 58 20		1.2	18	
		PNS	eP	04 58 20		1.4	41	
JAN	24	LPB	P	05 01 45.6		1.0	6	
JAN	24	LPB	eP	07 29 25.5				
			i	35.3				
			(S)	30 02				
JAN	24	USCGS	09 29 12.3, 0.6S, 21.0W, H = 33 Km, M = 4.9					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	09 37 57.5		1.1	14	49.0
			pP	38 08				
			PP	39 33				
			eS	45 03				
			G	48.6				
			eL	51.7				
		CHA	P	09 38 05.4				
JAN	24	LPB	iP	11 55 22				
JAN	24	LPB	eP	14 01 15.5		0.8	3	
		PNS	P	14 01 57.4		0.8	7	
			e(S)	03 09.4				
JAN	24	PNS	iP	14 11 03.7	C	0.5	7	2.8
			S	36.7				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	24	USCGS	14 45 16.0, 30.1N, 104.1E, H = 33 Km, M = 5.4					
		SZECHWAN PROV, CHINA						
		LPB	ePKP	15 05 22				146.7
		PNS	PKP	15 05 22.2		1.5	39	
			PKP2	06 15				
JAN	24	USCGS	15 21 50.4, 0.8S, 19.9W, H = 33 Km, M = 5.0					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	15 30 45		1.0	20	48.9
			eL	45				
		PNS	P	15 30 46.9	C	1.2	17	
			eL	15 45				
JAN	24	USCGS	15 20 03.9, 5.5S, 152.9E, H = 69 Km, M = 5.0					
		NEW BRITAIN REG						
		PNS	ePKP	15 39 17				
			PKS	42 45.4				
		LPB	ePKP	15 39 18				133.1
			eL	16 23				
JAN	24	PNS	P	16 35 11.4		0.4	2	
JAN	24	LPB	eP	17 59 07		0.7	13	
		PNS	iP	17 59 30.4	D	0.6	5	
JAN	24	PNS	P	20 15 18.2				
			i	21.4				
		LPB	P	20 15 18.5				
JAN	24	PNS	P	20 33 55.6				
			e	34 00.9				
			(S)	38.6				
		LPB	P	20 33 58.8		0.9	10	
			e(S)	34 29				
JAN	25	LPB	e(P)	00 32 29				
			eL	45				
		PNS	eP	00 32 38				
JAN	25	USCGS	01 50 19.4, 36.6N, 71.6E, H = 281 Km, M = 5.7					
		AFGHANISTAN-USSR BOR REG						
		LPB	PKP	02 09 15		1.1	64	139.0
			iPKP	10 27.5				
			iPP	12 23.0				
			eL	55				
		PNS	iPKP	02 09 15.9	C	1.1	54	
			e	10 26.0				
			iPP	12 23.9				
			PS	22 32				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	25	LPB	P	02 31 24.2		0.6	19	0.7
			S	34.5				
JAN	25	USCGS	03 05 38.7, 14.5N, 145.4E, H = 106 Km, M = 4.8					
		MARIANA IS						
		LPB	ePKP	03 24 52.5		1.0	6	134.8
			pPKP	25 15.5				
			eL	04 10				
		PNS	eP	03 25 14.5		0.7	4	
JAN	25	USCGS	08 18 10.5, 11.5S, 165.7E, H = 62 Km, M = 4.8					
		SANTA CRUZ IS						
		LPB	ePKP	08 37 04				120.0
			eL	09 16				
JAN	25	USCGS	09 33 09.2, 6.9N, 73.2W, H = 158 Km, M = 3.8					
		N COLOMBIA						
		PNS	eP	09 38 05.3				
			ePP	40.8				
		LPB	eP	09 38 07				23.4
			ePP	41.5				
JAN	25	PNS	iP	10 05 53.9	D	0.7	89	2.1
			S	06 19				
		LPB	P	10 05 56.7		1.0	12	2.3
			S	06 24.5				
JAN	25	LPB	eP	19 01 40				
			eL	46				
		PNS	P	19 01 43.6		0.8	6	
JAN	25	LPB	eP	19 11 30				
		PNS	P	19 11 33	C	0.5	3	2.9
			S	12 07				
JAN	25	PNS	P	19 40 06.8		0.9	5	
JAN	25	LPB	P	20 14 39.6		1.0	20	
		PNS	P	20 14 40.6		0.9	6	
JAN	25	LPB	eP	20 19 43				
		PNS	P	20 19 43.2		0.5	2	
JAN	25	LPB	eP	20 32 27				
		PNS	P	20 32 29.5		0.8	4	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	25	PNS	iP	20 35 04.0		0.5	9	1.9
			iS	27				
		CHA	iP	20 35 05.9	D			2.0
			S	30.2				
JAN	25	PNS	iP	20 39 04.3		0.6	3	
		LPB	eP	20 39 06.5				
JAN	25	PNS	iP	21 22 36.2		0.6	3	1.8
			S	58.3				
JAN	25	PNS	P	21 27 50.2	C	0.6	3	1.9
			S	28 13.3				
JAN	25	PNS	P	22 59 51.9		0.7	3	4.6
			eS	23 00 44.6				
JAN	26	PNS	P	00 10 04.9				
		LPB	eP	00 10 08.5				
JAN	26	LPB	eP	02 15 24		0.9	8	
		PNS	P	02 15 27.2		0.7	3	
JAN	26	USCGS	02 11 20.7, 58.4S, 25.6W, H = 33 Km, M = 5.0					
		S SANDWICH IS REG						
		LPB	P	02 20 30.5		0.8	10	51.9
			eL	36				
		PNS	iP	02 20 33.5	C	0.6	6	
			eL	02 36				
JAN	26	PNS	iP	02 37 26.4		0.8	3	2.1
			S	51.4				
		LPB	eP	02 37 27				
JAN	26	LPB	P	03 39 53	D	0.7	16	2.7
			eS	40 26				
		PNS	P	03 39 54.4	D	0.7	28	2.6
			S	40 26.6				
JAN	26	USCGS	03 57 46.6, 6.6S, 147.6E, H = 69 Km, M = 5.1					
		NEW GUINEA REG						
		LPB	PKP	04 17 07.5		1.0	10	137.5
			eL	05 02				
		PNS	PKP	04 17 07.8		1.3	19	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	26	USCGS	06 04 33.9, 21.4N, 108.9W, H = 33 Km, M = 5.3					
		REVILLA GIGEDO ES REG						
		PNS	P	06 14 02		1.6	17	
			eS	21 42				
			eL	31				
		LPB	P	06 14 03.5		0.9	12	54.9
			eS	21 44				
			eL	32.7				
JAN	26	PNS	iP	06 58 06.6	D	0.5	2	2.1
			S	32				
		LPB	eP	06 58 08				
JAN	26	CHA	eP	08 05 50.9				
		PNS	eP	08 05 51	C			4.1
			i	59.6				
			S	06 39.0				
		LPB	eP	08 05 52.5		0.7	9	3.9
			S	06 38.5				
JAN	26	CHA	eP	08 47 47.5				
		PNS	eP	08 47 53				4.1
			i	48 03.2				
			S	41.4				
		LPB	eP	08 47 54				3.4
			i	56.8				
			S	48 34				
JAN	26	LPB	eP	10 37 24				
		PNS	P	10 37 50.6	D	0.6	3	1.8
			iS	38 12.6				
JAN	26	LPB	eP	11 12 24				
		PNS	eP	11 12 24.5				2.0
			S	48.3				
JAN	26	USCGS	16 10 34.3, 15.0N, 92.8W, H = 56 Km, M = 5.3					
		MEXICO-GUATEMALA BOR REG						
		PNS	P	16 17 59.0		1.3	47	
			(PP)	11.9				
			PP	19 35				
			S	24 02				
			SS	27 00				
			L	29.5				
		LPB	P	16 18 11.7		1.0	28	39.0
			pP	18				
			PP	19 55				
			S	23 53				
			SS	26 44				
			eL	29				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	26	USCGS TUNISIA	16 11 42.8, 34.6N, 10.4E, H = 33 Km, M = 5.0					
		LPB	eP	16 24 21				90.6
			eL	54				
JAN	26	LPB	eP	16 35 43				
		PNS	eP	16 35 44.5		0.6	2	
JAN	26	USCGS N CHILE	20 02 24.0, 18.7S, 69.6W, H = 117 Km, M = 4.2					
		LPB	iP	20 03 05.5	C	0.6	18	2.6
			i	23.0				
			S	35.5				
		PNS	iP	20 03 06.8	C			
			S	36.4				
JAN	26	LPB	eP	20 27 01				52.5
			(PP)	11				
			eS	34 24				
			G	39.9				
			eL	44				
		PNS	P	20 27 01.6		1.6	34	
			i	14.6				
			i	28 54.6				
			(S)	34 16				
			i	41 25				
JAN	26	USCGS SANTA CRUZ IS	20 25 38.4, 11.2S, 165.6E, H = 33 Km, M = 4.7					
		PNS	ePKP	20 44 29				
		LPB	eL	21 03				120.1
JAN	26	PNS	P	20 59 37.2		0.9	6	
		LPB	eP	20 59 40				
JAN	26	PNS	eP	21 43 55				3.8
			S	44 39.3				
JAN	26	LPB	eP	21 49 23				5.1
			eS	50 22				
		PNS	P	21 49 50.5		0.9	12	5.1
			S	50 50				
JAN	26	LPB	eP	22 58 07.5		1.0	10	
		PNS	P	22 58 08.7		1.0	13	
JAN	27	LPB	P	00 06 25		0.9	7	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	27	USCGS	01 54 55.3, 27.8S, 67.3W, H = 176 km, M = 4.5 CATAMARCA PROV, ARGENTINA					
		LPB	P	01 57 32.5		0.6	13	11.0
			e	42.5				
			S	59 39				
			eL	02 00				
		PNS	P	01 57 36.8		0.7	12	
			eS	59 41				
JAN	27	PNS	iP	02 27 41.8	D	0.4	4	1.9
			S	28 05.1				
JAN	27	PNS	P	02 39 34.5		0.5	2	2.3
			eS	40 02.8				
JAN	27	USCGS	05 06 12.8, 14.9N, 93.0W, H = 43 Km, M = 4.5 NR CST OF CHIAPAS, MEXICO					
		LPB	P	05 13 38		0.9	5	40.0
			eL	27				
		PNS	P	05 13 39.7	C	1.0	9	
			eS	19 41				
JAN	27	USCGS	08 11 36.5, 0.9N, 28.1W, H = 33 Km, M = 4.7 C MID-ATLANTIC RIDGE					
		LPB	P	08 19 35.6		1.0	42	43.0
			i	38.3				
			eS	26 05				
			SS	29 20				
			eL	32.5				
		PNS	P	08 19 38		1.2	45	
			i(PP)	51				
			iPP	21 30				
			S	26 11				
			SS	29 30				
			L	32				
JAN	27	USCGS	08 38 51.9, 9.0S, 71.5W, H = 613 Km, M = 4.6 W BRASIL					
		PNS	iP	08 40 51.3	C	0.8	203	
			S	42 27.0				
		LPB	iP	08 40 54.8	C	1.0	445	8.0
			Pg	41 04.5				
			S	42 32.0				
		CHA	iP	08 40 52.0	D			
JAN	27	PNS	iP	09 36 51.4	D			1.8
			iS	37 13.4				
		CHA	iP	09 36 52.4	D			
		LPB	iP	09 36 53.2	D	0.8	6	
			i	57.8				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	27	LPB	eP	09 58 17		0.9	3	
JAN	27	USCGS CENTRAL CHILE	12 39 44.2, 38.1S, 72.3W, H = 33 Km, M = 4.5					
		LPB	e(P)	12 44 39				21.6
			eL	12 50				
		PNS	P	12 44 40.4		1.0	6	
			eS	48 30				
			L	50.2				
			i	53 41				
JAN	27	PNS	P	13 33 50.4	C	0.5	2	2.6
			S	34 21.5				
JAN	27	LPB	eP	14 35 15		0.7	6	
JAN	27	PNS	iP	16 45 20.4	D	1.0	32	
			i	26.8				
			e	31.8				
		LPB	P	16 45 20.7	C	1.3	30	
			e	33.2				
			eL	17 14				
JAN	27	PNS	iP	16 47 07.1	C	0.5	3	4.0
			S	53.4				
JAN	27	USCGS S SUMATRA	18 57 15.1, 5.3S, 102.9E, H = 33 km, M = 5.4					
		LPB	eL	20 10				155.6
JAN	27	PNS	P	22 54 38.9	C	0.8	8	
JAN	28	LPB	P	00 41 18		0.7	9	3.2
			S	56				
		PNS	P	00 41 22.2		0.6	4	3.4
			S	42 02				
JAN	28	USCGS TAIWAN	01 40 26.9, 24.8N, 121.8E, H = 90 Km, M = 5.2					
		LPB	PKP	02 00 26		1.2	26	167.8
			pPKP	50.7				
			PP	05 06.0				
			eL	03 00				
		PNS	PKP	02 00 26.4		1.5	45	
			pPKP	48.0				
			iPKP2	01 30.2				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	28	PNS	iP	02 05 09.9	C			
JAN	28	PNS	iP	03 14 37.5	D	0.5	110	1.8
			iS	15 00				
		CHA	iP	03 14 38.5	D			
		LPB	iP	03 14 39.5	D	0.7	61	2.0
			e	42.8				
			S	15 03.7				
JAN	28	PNS	iP	07 44 50.9	D	0.5	7	1.8
			S	45 13.4				
JAN	28	USCGS	07 44 24.4, 32.8S, 11.9W, H = 33 Km, M = 4.4					
		EASTER IS CORDILLERA						
		LPB	eP	07 52 17				42.1
			eL	08 04				
		PNS	eP	07 52 19		1.6	25	
			L	08 04.8				
JAN	28	PNS	P	11 26 18.4		0.8	3	
			e	27				
		LPB	P	11 26 18.5		0.7	5	
JAN	28	USCGS	13 43 00.9, 14.6N, 92.8W, H = 33 Km, M = 4.3					
		NR CST OF CHIAPAS, MEXICO						
		LPB	eL	14 01				39.5
		PNS	eP	13 50 27.8				
			eL	14 01				
JAN	28	USCGS	13 52 58.3, 52.4N, 169.5W, H = 47 Km,					
		FOX IS, ALEUTIAN IS						
		LPB	P	14 07 26				110.0
			ePKP	11 28				
			PP	12 06				
			SKS	18 00				
			SS	27 31				
			G	38.2				
			L	45.2				
		PNS	eP	14 07 26				
			i	40.9				
			iPP	11 32.5				
			PKS	12 13.0				
			iSKS	15 08.2				
			i	19 31.7				
			PS	21 27				
			PPS	22 33.6				
			eSS	27 30				
			L	45.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	28	USCGS	14 05 58.1, 52.3N, 169.5W, H = 54 Km, M = 5.0					
		FOX IS, ALEUTIAN IS						
		PNS	ePKP	14 24 30.4				
		LPB	ePKP	14 24 32				110.0
JAN	28	PNS	eP	14 38 34				2.8
			eS	39 07.4				
JAN	28	USCGS	14 30 24.2, 52.5N, 169.4W, H = 33 Km, M = 4.9					
		FOX IS, ALEUTIAN IS						
		LPB	ePKP	14 48 53				109.0
JAN	28	LPB	eP	16 06 12				
		PNS	P	16 06 14.0		0.8	3	
			e	08 06.6				
JAN	28	USCGS	16 31 21.1, 52.3N, 169.3W, H = 32 Km, M = 5.6					
		FOX IS, ALEUTIAN IS						
		PNS	ePPP	16 52 51.6				
			eL	17 23.8				
JAN	28	USCGS	16 59 17.2, 52.4N, 169.4W, H = 33 Km, M = 4.6					
		FOX IS, ALEUTIAN IS						
		LPB	eL	17 51				110.0
		PNS	eL	17 51.6				
JAN	28	LPB	eP	17 53 49				3.8
			eS	54 33				
		PNS	P	17 53 50.8		0.6	2	3.8
			S	54 34.6				
		CHA	P	17 53 54.8				
JAN	28	USCGS	17 42 01.5, 52.4N, 169.4W, H = 50 Km, M = 5.6					
		FOX IS, ALEUTIAN IS						
		PNS	ePKP	18 00 25.6				
			ePP	01 02.5				
			pS	10 27				
			PPS	11 42				
			SS	16 46				
			eG	27.4				
			L	34.6				
		LPB	ePKP	18 00 26				110.0
			eS	16 25				
			eL	34.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	28	USCGS	18 35 39.4, 5.3N, 77.2W, H = 133' M = 4.0					
		NEAR W CST OF COLOMBIA						
		PNS	P	18 40 33.0		1.6	36	
			eL	46.9				
JAN	28	LPB	P	20 29 38.8		0.8	5.6	
JAN	28	LPB	eP	21 28 52.5		0.9	7	
JAN	28	LPB	eP	21 47 00				
		PNS	eP	21 47 59.4		0.6	2	
JAN	28	USCGS	22 28 01.2, 55.0N, 160.2E, H = 113 Km, M = 5.1					
		KAMCHATKA						
		PNS	PKP	22 46 52.3		1.2	9	
			ePKP2	47 21.4				
			L	23 28.1				
		LPB	ePKP	22 56 52				126.9
			eL	23 28				
JAN	29	USCGS	03 53 58.8, 26.5N, 55.3E, H = 42 Km, M = 5.1					
		S IRAN						
		PNS	ePKP	04 13 02				
			eL	53				
		LPB	ePKP	04 13 03				126.9
			eL	54				
JAN	29	USCGS	04 32 58.4, 52.5N, 169.3W, H = 33 Km, M = 4.6					
		FOX IS, ALEUTIAN IS						
		LPB	eL	05 25				110.0
JAN	29	USCGS	07 01 34.7, 48.0N, 103.1E, H = 33 Km, M = 4.8					
		MONGOLIA						
		PNS	P	07 21 17	C	1.0	15	
			eL	08 11.8				
		LPB	PKP	07 21 17.7		1.0	14	148.0
			eL	08 11				
JAN	29	USCGS	07 12 04.8, 26.5N, 55.3E, H = 33 Km, M = 4.7					
		S IRAN						
		LPB	ePKP	07 31 39				126.9
			eL	08 13				
		PNS	e	07 32 40.4				
			eL	08 12.4				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	29	USCGS S IRAN	07 56 39.2, 26.5N, 55.2E, H = 38 Km, M = 5.2					
		LPB	ePKP	08 15 41				126.9
			eL	57				
		PNS	PKP	08 15 44		1.0	7	
			SS	34 46				
			G	50.3				
			L	56.9				
JAN	29	CHA	iP	09 50 08.7	D			2.6
			S	50 39.7				
		LPB	P	09 50 09.2	C	0.8	40	2.7
			S	50 41.5				
		PNS	P	09 50 16.4		0.4	5.1	3.0
			S	50 51.6				
JAN	29	LPB	eP	10 52 07.5				
		PNS	P	10 52 14.4		0.5	2.6	3.0
			S	52 49.5				
JAN	29	PNS	iP	12 01 36.3	D	0.5	35	1.9
			S	01 59.7				
		LPB	eP	12 01 37		0.9	7	2.2
			eS	02 02.8				
JAN	29	PNS	eP	14 08 41.5				
		LPB	eP	14 08 51.5				
JAN	29	LPB	eP	14 58 43				
		PNS	eP	14 58 59.9	D	0.4	4	2.0
			S	59 23.5				
JAN	29	USCGS TAIWAN REG	15 06 40.2, 22.8N, 121.4E, H = 31 Km, M = 5.2					
		LPB	ePKP	15 26 49				169.0
			eL	16 26				
JAN	29	PNS	P	16 53 08		0.5	2.3	4.1
			e	53 15.4				
			eS	53 50				
		LPB	eP	16 53 18.5		0.8	8	
JAN	29	USCGS MARIANA IS	16 50 57.2, 15.2N, 146.6E, H = 33 Km, M = 4.7					
		PNS	PKP	17 10 37.9		1.5	34	
			eL	18 00				
		LPB	ePKP	17 10 38				146.2
			eL	18 00				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	29	USCGS	18 27 44.0, 4.6S, 77.8W, H = 71 Km' M = 4.2					
		N PERU						
		LPB	eP	18 31 15		0.8	18.8	14.9
			eS	34 17.5				
		PNS	iP	18 31 19.1	D	0.9	17	
			L	35.1				
JAN	29	LPB	eP	22 34 27				
		PNS	iP	22 34 36.6		0.4	1	
JAN	29	USCGS	22 41 59.3, 19.4N, 108.9W, H = 33 Km, M = 4.0					
		REVILLA GIGEDO IS REG						
		PNS	P	22 51 21.5		1.0		
			eL	23 07				
JAN	30	USCGS	01 20 31.7, 41.0N, 44.2E, H = 33 Km, M = 5.0					
		W CAUCASUS						
		LPB	ePKP	01 39 15				117.9
		PNS	PKP	01 39 15.7		1.2	7	
JAN	30	PNS	P	02 27 27.5		0.7	3	
		LPB	eP	02 27 29				
			e	27 34.5				
JAN	30	PNS	eP	02 36 32.8				2.1
			eS	36 58				
		LPB	eP	02 36 38		0.9	15	2.0
			S	37 02.5				
JAN	30	LPB	P	02 40 35.2		0.6	5	3.2
			eS	41 12				
		PNS	iP	02 40 37.9	D	0.5	9	3.1
			S	41 12.6				
JAN	30	PNS	P	02 42 08.6		0.6	5	
JAN	30	USCGS	02 44 21.1, 19.7N, 108.9W, H = 33 Km, M = 4.4					
		REVILLA GIGEDO IS REG						
		PNS	eP	02 53 41				
			pP	53 45				
			S	03 01 14				
			L	10.2				
		LPB	P	02 53 41.5				53.4
JAN	30	LPB	eP	03 14 10		0.7	6	
		PNS	P	03 14 02.8				4.6
			S	14 55.6				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	30	PNS	eP	03 29 27		0.6	2	2.1
			S	52.4				
		LPB	P	03 29 32.7				
			e	35.6				
JAN	30	PNS	iP	05 29 57.0				1.9
			S	30 20.0				
		LPB	eP	05 29 59				
JAN	30	LPB	eP	06 52 48				
		PNS	P	06 52 50.5				
JAN	30	PNS	eP	08 56 13		0.6	3	3.2
			eS	50				
		LPB	P	08 56 27.7		0.8	25	
JAN	30	PNS	P	09 11 07.8		0.7	7	
JAN	30	PNS	eP	09 22 31.6				2.3
			S	58.6				
		LPB	eP	09 22 36				
JAN	30	PNS	P	10 07 14.4				2.3
			S	41				
		LPB	eP	10 07 19		0.7	5	2.2
			eS	45				
JAN	30	USCGS	10 39 58.7, 34.4N, 138.7E, H = 206 Km, M = 4.1					
		NR S CST OF HONSHU, JAPAN						
		LPB	P	10 59 23				150.3
		PNS	PKP	10 59 26.4		0.9	9	
JAN	30	LPB	eP	12 21 32				56.0
			eS	29 26				
			eL	38.9				
		PNS	eP	12 21 32.8		0.9	6	46.0
			eS	28 14				
			L	35.8				
JAN	30	PNS	P	12 48 47.3		0.9	11	3.2
			S	49 24.3				
		LPB	eP	12 48 49				
JAN	30	LPB	P	13 23 46.7				7.5
			eS	25 12				
		PNS	P	13 23 48.7		0.4	19	7.8
			S	25 17				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	30	PNS	P	13 31 12.6		0.7	8	1.9
			eS	35.6				
		LPB	P	13 31 17.4		0.8	3	2.2
			S	43.5				
JAN	30	LPB	eP	15 25 27				
		PNS	P	15 25 28				4.7
			S	26 22				
JAN	30	PNS	iP	16 34 10.0		0.5	4	3.1
			S	46.5				
JAN	30	PNS	P	17 36 28			52	
JAN	30	LPB	P	21 21 14.2		0.7	9	3.1
			S	50				
		PNS	iP	21 21 15.9	C	0.8	24	3.0
			S	51.0				
JAN	30	USCGS BURMA	21 05 30.4, 26.2N, 96.2E, H = 44 Km, M = 5.5					
		LPB	PKP	21 25 31		1.5	36	162.9
			e	30 45.5				
			eL	22 23				
		PNS	PKP	21 25 31.2		1.4	52	
			pPKP	26 18.0				
			eL	22 23.7				
JAN	30	PNS	P	23 00 26.7		0.7	11	2.2
			S	52.6				
		LPB	P	23 00 27		0.9	3	
			e	52.7				
			e(S)	01 18				
JAN	31	LPB	eP	00 36 20				
		PNS	eP	00 36 23.5				
JAN	31	LPB	eP	02 28 54		0.9	15	
JAN	31	LPB	eP	03 08 52				
		PNS	P	03 08 52.8				
JAN	31	PNS	P	03 39 26.4				2.2
			S	52.8				
		LPB	eP	03 39 29				2.3
			eS	56.5				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	31	USCGS	03 35 36.3, 47.9N, 102.8E, H = 33 Km, M = 4.9					
		MONGOLIA						
		PNS	PKP	03 55 19.4	C	0.9	12	
		LPB	ePKP	03 55 19.5		1.0	4	148.7
			eL	04 47				
JAN	31	PNS	iP	04 28 13.9	D	0.5	17	
		LPB	eP	04 28 15.5		0.6	8	
JAN	31	PNS	eP	05 06 21				
		LPB	P	05 06 25.5		0.7	5	
JAN	31	USCGS	06 44 59.6, 24.4S, 67.7W, H = 161 Km, M = 4.1					
		CHILE-ARGENTINA BOR REG						
		LPB	P	06 46 52.3		0.8	24	8.0
			S	48 18				
		PNS	iP	06 46 56.3	C	0.8	58	
			S	48 24				
JAN	31	PNS	iP	07 35 02.0	D	0.6	10	1.9
			S	24.7				
		LPB	eP	07 35 04				
JAN	31	LPB	eP	07 47 38		1.2	10	
JAN	31	PNS	P	07 48 30.0				1.9
			S	53				
		LPB	iP	07 48 35		0.9	17	
JAN	31	USCGS	07 32 02.3, 33.2N, 140.3E, H = 33 Km, M = 1.6					
		S OF HONSHU, JAPAN						
		PNS	PKP	07 51 42.3				
		LPB	ePKP	07 51 49				149.0
			eL	08 49				
JAN	31	LPB	eP	09 37 50		0.8	4	
JAN	31	PNS	P	10 02 18.5		0.9	4	2.3
			S	45.5				
		LPB	eP	10 02 23		0.7	5	
JAN	31	USCGS	09 57 47.0, 2.0S, 125.6E, H = 33 Km, M = 5.0					
		MOLUCCA SEA						
		LPB	ePKP	10 17 44				157.4
			eL	11 11				
		PNS	ePKP	10 17 44				
			i(PKP2)	18 24.0				
			eL	11 11.9				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	31	USCGS	13 37 34.3, 2.8N, 84.4W, H = 33 Km, M = 5.3					
			OFF CST OF AMERICA					
		LPB	e	13 42 53				24.6
			iP	59.8				
			PP	07				
			eS	47 02.5				
			eL	50				
		PNS	iP	13 42 54.6	C	1.3	68	
			ipP	43 02.9				
			S	47 03				
			L	49.9				
JAN	31	PNS	P	14 39 03.3		0.6	5	
JAN	31	PNS	P	15 03 11.1				2.1
			S	36.2				
JAN	31	PNS	P	15 22 15.2		1.3	15	
			i	29				
		LPB	eP	15 22 19		1.0	12	
JAN	31	USCGS	17 43 56.2, 42.8N, 145.4E, H = 44 Km, M = 5.1					
			HOKKAIDO, JAPAN REG					
		PNS	PKP	18 03 25.4		1.0	8	141.7
			L	50.9				
JAN	31	PNS	P	18 35 25.8		0.5	2	3.6
			S	36 07.4'				
		LPB	eP	18 35 38				
JAN	31	USCGS	19 00 22.7, 26.5N, 55.3E, H = 16 Km, M = 5.2					
			S IRAN					
		PNS	ePKP	19 19 26.6				
		LPB	ePKP	19 19 27				126.9
JAN	31	PNS	P	19 23 31.5		0.6	3	2.4
			S	24 01				
JAN	31	USCGS	20 06 40.4, 26.7N, 55.5E, H = 46 Km, M = 5.0					
			S IRAN					
		LPB	ePKP	20 25 46				126.9
			eL	21 06				
		PNS	eL	21 06.6				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JAN	31	LPB	ePKP	21 18 21				168.4
			eL	22 18				
		PNS	ePKP	21 18 21				
JAN	31	PNS	P	21 42 03.6		0.5	4	2.3
			S	31.8				
		LPB	eP	21 42 09				
JAN	31	PNS	P	22 55 47.2		0.4	2	
JAN	31	PNS	eP	22 36 53.8				
			e	05.7				
		LPB	eP	22 37 00				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	1	PNS	iP	00 14 25.5	C	0.4	7	2.0
			iS	50.0				
FEB	1	PNS	P	00 19 21.5		0.4	1	
FEB	1	PNS	iP	00 35 20.0	D			2.0
			S	43.8				
		LPB	eP	00 35 24	D	0.9	13	
FEB	1	USCGS	01 07 19.2, 26.7N, 55.3E, H = 19 km, M = 5.0					
		S IRAN						
		PNS	PKP	01 26 24.8		1.2	12	
			eL	02 07.7				
		LPB	ePKP	01 26 25				126.9
			eL	02 07				
FEB	1	PNS	P	01 31 12.5		0.6	4	5.1
			e	18.6				
			S	32 09				
		LPB	P	01 31 12.5	C	0.9	34	5.2
			iPg	20.2				
			S	32 12.7				
		CHA	P	01 31 10.6				
FEB	1	LPB	P	04 20 [illegible]				2.1
			S	[illegible]				
		PNS	P	04 20 [illegible]				2.2
			S	42				
FEB	1	USCGS	06 15 55.7, 15.9S, 167.0E, H = 21 Km, M = 4.6					
		NEW HEBRIDES IS						
		LPB	ePKP	06 38 40				116.5
			eL	07 15				
FEB	1	USCGS	08 54 41.8, 52.5N, 169.3W, H = 33 Km, M = 4.3					
		FOX IS, ALEUTIAN IS						
		LPB	ePKP	09 12 51				110.0
			eL	47				
FEB	1	USCGS	09 18 50.5, 55.8N, 160.7E, H = 140 Km, M = 4.4					
		KAMCHATKA						
		PNS	ePKP	09 37 49		1.0	9	
		LPB	eL	10 18				126.0
FEB	1	PNS	eP	13 14 25.8				5.9
			S	15 32.6				
FEB	1	USCGS	13 59 20.0, 11.5S, 165.2E, H = 33 Km, M = 4.4					
		SANTA CRUZ IS						

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	1	PNS	ePKP	14 18 13.8				120.4
FEB	1	USCGS	14 44 07.7, 16.7S, 72.7W, H = 41 Km, M = 4.9					
		NR CST OF PERU						
		PNS	iP	14 45 14.2	C	0.6	44	
			i	15.7				
			S	46 10				
		CHA	iP	14 45 16.0	D			
		LPB	iP	14 45 18.4	C	0.8	64	4.5
			(S)	46 13				
			L	46.8				
FEB	1	CHA	P	14 48 40.3				
FEB	1	PNS	P	14 58 10				4.8
			S	59 04.6				
FEB	1	PNS	P	15 36 44		0.4	7	7.8
			S	38 12				
FEB	1	USCGS	15 19 56.8, 4.8S, 103.2E, H = 33 Km, M = 5.3					
		S SUMATRA						
		LPB	ePKP	15 39 50				156.8
			eL	16 33				
		PNS	PKP	15 39 53.0		1.2	8	
			i	40 40.3				
			eL	16 33.3				
FEB	1	PNS	P	16 56 55.5		0.5	4	3.1
			S	57 31.8				
FEB	1	PNS	iP	17 17 56.9	D	0.6	16	1.8
			S	18 19				
		LPB	P	17 17 58.8				
FEB	1	PNS	iP	17 28 22.5		0.6	12	
FEB	1	LPB	P	17 41 52.5		1.0	25	3.2
			S	42 31				
		PNS	iP	17 41 57.0	C	0.6	13	3.5
			S	42 38.4				
FEB	1	USCGS	17 44 41.0, 28.8S, 179.9W, H = 274 Km, M = 4.0					
		KERMADEC IS						
		LPB	eP	17 58 16.5				100.0
			eL	18 33				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	1	PNS	iP	20 00 20	C	0.4	18	
FEB	1	CHA	iP	21 50 40.4	D			
		LPB	eP	21 50 41		0.6	11	2.3
			S	51 09				
		PNS	iP	21 50 42.6	D	0.3	20	2.3
			S	51 11.3				
FEB	1	PNS	eP	21 52 53.8				7.6
			S	54 20				
		LPB	eP	21 52 58				
FEB	1	USCGS	23 46 09.5, 22.0S, 66.7W, H = 210 Km, H = 4.7					
		JUJUY PROV, ARGENTINA						
		LPB	iP	23 47 33.4	D	0.8	795	5.9
			eS	48 37				
		CHA	iP	23 47 34.3	D			
		PNS	iP	23 47 37.4	D			
			S	48 43.6				
FEB	2	USCGS	04 56 25.9, 10.3S, 161.5E, H = 77 Km, M = 4.4					
		SOLOMON IS						
		LPB	ePKP	05 15 14.5				120.3
			eL	54				
		PNS	ePKP	05 15 17				
FEB	2	USCGS	06 25 49.8, 57.9S, 25.7W, H = 81 Km, M = 5.8					
		S ANDWICH IS REG						
		LPB	iP	06 34 53.0	C	0.9	76	51.5
			PCP	35 13				
			eS	42 10				
			G	46				
			L	50.6				
		PNS	iP	06 34 55.9	C	0.7	42	
			iPCP	35 15.4				
			S	42 15				
			G	46.5				
			L	50				
		CHA	iP	06 34 54.1	D			
FEB	2	LPB	e(P)	07 04 49				
		PNS	eP	07 04 55				
FEB	2	USCGS	07 37 54.4, 39.7N, 75.5E, H = 39 Km, M = 5.3					
		S SINKIANG PROV, CHINA						
		LPB	ePKP	07 57 23.5				140.8
			eL	08 44				
		PNS	PKP	07 57 24.5				
			eL	08 45				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	2	PNS	iP	08 30 48.3	D	0.6	12	1.8
			iS	31 10.0				
		LPB	P	08 30 50.5	C			
FEB	2	PNS	P	08 52 13.7		0.8	6	3.4
			S	54.2				
		LPB	eP	08 52 17		1.0	10	
FEB	2	LPB	eP	10 27 10				
		PNS	P	10 27 13		0.8	6	
FEB	2	PNS	P	14 08 58.0	C	0.7	20	
		LPB	eP	14 09 08				
FEB	2	USCGS	10 57 34.0, 59.7S, 25.8W, H = 33 Km, S SANDWICH IS REG					
		LPB	P	11 06 49.5	C	1.3	26	52.8
			eL	11 23				
		PNS	iP	11 06 52.2	C	1.3	33	
FEB	2	PNS	P	15 23 17.4		0.5	8	3.1
			S	53				
		CHA	P	15 23 21.3	D			
		LPB	iP	15 23 23.1	C	0.5	5	3.2
			S	24 01				
FEB	2	LPB	eP	16 36 02		0.6	50	
FEB	2	USCGS	16 24 39.1, 41.6N, 139.7E, H = 176 Km, M = 5.4 HOKKAIDO, JAPAN REG					
		PNS	PKP	16 43 57.7		1.9	105	
			iPP	47 21.0				
			eL	17 33.3				
		CHA	PKP	16 43 59.1				
		LPB	PKP	16 43 59.2	C	1.2	56	145.7
			ePP	47 22				
FEB	2	USCGS	18 18 17.4, 4.3S, 153.7E, H = 247 km, M = 5.0 NEW IRELAND REG					
		PNS	PKP	18 37 07.8		1.4	131	
			ipPKP	44.0				
			PKS	40 15.4				
		LPB	PKP	18 37 08.4		1.5	60	133.5
			PKS	40 15.2				
FEB	2	PNS	eP	19 59 20				
			eL	49				
		LPB	eP	19 59 21		1.0	8	
			eL	48				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	2	PNS	eP	20 48 12.9		0.7	5	
FEB	2	LPB	e(P)	21 25 34.5				
FEB	3	LPB	eP	01 19 07.5				5.2
			S	20 08				
		PNS	P	01 19 18.3		0.6	2	5.4
			S	20 20.6				
FEB	3	USCGS	01 57 04.0, 43.3N, 126.2W, H = 33 Km, M = 4.2					
		OFF CST OF OREGON						
		LPB	eL	02 35				79.2
		PNS	eL	02 35				
FEB	3	USCGS	02 56 00.0, 20.8S, 175.3W, H = 70 Km, M = 4.6					
		TONGA IS						
		LPB	eP	03 09 40				99.0
		PNS	eL	03 43				
FEB	3	PNS	eP	03 28 29				
		LPB	eP	03 29 01				
FEB	3	LPB	P	04 05 02.5		0.9	8	
		PNS	P	04 05 06.6		0.6	7	
FEB	3	LPB	eP	04 19 13.2				8.1
			S	20 45.5				
		PNS	eP	04 20 19.4				3.2
			S	56.9				
FEB	3	USCGS	05 27 58.0, 39.7N, 104.8W, H = 5 Km, M = 4.3					
		COLORADO						
		PNS	eL	05 59				
		LPB	eL	06 00				65.5
FEB	3	USCGS	08 17 05.4, 36.5N. 138.0E, H = 26 Km, M = 4.7					
		HONSHU, JAPAN						
		LPB	ePKP	08 36 50.5				149.4
			e	55.7				
			eL	09 27				
		PNS	ePKP	08 36 50.8		2.0	32	
			eL	09 27.8				
FEB	3	USCGS	09 05 37.0, 14.6N, 93.4W, H = 33 Km, M = 4.1					
		NR CST OF CHIAPAS, MEXICO						
		LPB	eL	09 24				40.0
		PNS	eL	09 24				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	3	LPB	eP	09 29 32		0.8	6	
FEB	3	PNS	P	11 03 50.0		0.8	8	
FEB	3	USCGS	12 30 53.0, 5.6S, 110.5E, H = 569 Km, M = 5.1					
		JAVA SEA						
		PNS	ePKP	12 49 42				
			eL	13 44.7				
		LPB	ePKP	12 49 43.5				157.9
FEB	3	USCGS	12 48 09.2, 5.6S, 110.5E, H = 560 Km, M = 5.4					
		JAVA SEA						
		LPB	ePKP	13 07 06		1.3	68	157.9
			PKP2	43.5				
			PP	10 42.5				
			e	11 25				
			eL	14 04				
		PNS	PKP	13 07 06.9	C	1.4	75	
			iPKP2	45.4				
			PKS	10 44.5				
			e	17 24				
			eL	14 01.7				
FEB	3	LPB	eP	13 53 15				
FEB	3	LPB	eP	14 07 36		0.8	10	
FEB	3	LPB	eP	14 21 29.5				
FEB	3	LPB	eP	15 30 16.5				
FEB	3	PNS	P	15 39 11				6.5
			i	24.0				
			eS	40 25				
		LPB	P	15 39 19.5				6.7
			eS	40 35.2				
FEB	3	USCGS	16 27 45.0, 5.5S, 146.9E, H = 198 Km, M = 4.7					
		E NEW GUINEA REG						
		LPB	ePKP	16 46 50				139
			eL	17 33				
		PNS	ePKP	16 46 52.7				
FEB	3	LPB	eP	17 56 39.5		1.0	20	
		PNS	P	17 56 41.0				2.3
			S	57 08.7				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	3	LPB	iP	18 12 26.2		0.9	232	2.0
			eS	50				
		PNS	iP	18 12 27.0	D	0.7	200	1.9
			iS	50.0				
		CHA	iP	18 12 28.7	D			
FEB	3	LPB	eP	18 58 30				
			e	32.7				
FEB	3	LPB	P	19 01 56.5		0.7	14	
FEB	3	LPB	eP	19 26 57		0.8	9	
FEB	3	USCGS	21 26 47.0, 55.5N, 155.6W, H = 33 Km, M = 4.7					
		S OF ALASKA						
		PNS	L	22 15.3				102.0
FEB	3	PNS	eP	21 57 02				
		LPB	eP	21 57 22.5				
FEB	3	USCGS	23 25 47.8, 21.5S, 67.1W, H = 198 km, M = 5.1					
		CHILE-BOLIVIA BOR REG						
		LPB	iP	23 27 04.0	C	0.6	53	5.0
			S	58				
		PNS	iP	23 27 08.1	C			
			S	59				
			SS	28 13				
		CHA	iP	23 27 07.6	C			
FEB	4	PNS	P	04 21 03				
		LPB	eP	04 21 58		0.8	9	
FEB	4	PNS	P	05 09 55.7		0.5	6	2.0
			S	10 19.7				
FEB	4	PNS	iP	05 43 46.1	C	1.2	411	3.3
			S	44 25				
		CHA	iP	05 43 47.3	D			
		LPB	iP	05 43 48.8	C	0.6	512	3.1
			iS	44 25				
FEB	4	LPB	P	06 03 16.4		1.4	40	6.2
			i	43.8				
			S	04 27				
		PNS	P	06 03 16.5				6.3
			eS	04 28				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	4	USCGS	06 19 59.0, 4.4S, 134.1E, H = 41 Km, M = 4.9					
		NEW GUINEA REG						
		LPB	ePKP	06 39 45				149.3
			eL	07 30				
		PNS	PKP	06 39 48.2	C	1.0	8	
			eL	07 30.7				
FEB	4	PNS	P	07 56 37				12.1
			S	58 52.5				
		LPB	P	07 56 46.5		1.0	10	11.0
			eS	58 49.5				
FEB	4	LPB	eP	08 06 40.5		0.9	7	
FEB	4	PNS	iP	09 06 20.5	D	0.6	9	
FEB	4	USCGS	09 27 07, 39.7N, 142.4E, H = 33 Km, M = 4.1					
		NR E CST OF HONSHU, JAPAN						
		LPB	ePKP	09 46 40				145.0
			eL	10 36				
		PNS	eL	10 36.3				
FEB	4	LPB	P	10 23 05				
		PNS	iP	10 23 07.5				1.9
			S	30.6				
FEB	4	LPB	eP	10 32 38		0.7	3	
		PNS	eP	10 32 39.1				
FEB	4	USCGS	11 37 17.0, 56.1N, 158.2W, H = 33 Km, M = 4.2					
		ALASKA PENINSULA						
		LPB	eL	12 26				103.5
FEB	4	LPB	eP	13 10 44				
FEB	4	PNS	P	16 49 52.6		0.6	5	
FEB	4	USCGS	17 49 02.4, 25.5N, 142.7E, H = 33 Km, M = 4.9					
		VOLCANO IS REG						
		LPB	ePKP	18 08 48				149.4
			i	54				
		PNS	PKP	18 08 50.9		1.3	19	
			L	19 01.3				
FEB	4	PNS	P	19 05 58.3		0.3	7	2.0
			S	06 22.8				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	4	USCGS	19 04 29.0, 12.9S, 14.7W, H = 33 Km, m = 4.8					
		S ATLANTIC RIDGE						
		LPB	ePKP	19 12 55				51.7
			eL	19 30				
		PNS	P	19 13 37.8	C	1.2	14	
			eL	29.7				
FEB	4	USCGS	20 44 20.0, 54.3S, 132.1W, H = 33 Km, M = 4.9					
		S PACIFIC CORDILLERA						
		PNS	P	20 54 37.4		1.2	18	
			L	21 13.3				
		LPB	P	20 54 37.5		1.4	36	61.1
			eL	21 13				
FEB	4	LPB	eP	23 37 45.5				
FEB	5	LPB	eP	02 37 55.5				
FEB	5	USCGS	03 20 44.3, 5.1S, 80.6W, H = 82 Km, M = 4.0					
		NR CST OF N PERU						
		PNS	P	03 24 34.1		1.0	9	
		LPB	P	03 24 35.5		1.0	12	
FEB	5	LPB	P	04 10 05.5	D	1.0	56	
			S	14 05.5				
		PNS	P	04 10 08.4		0.6	3	
			S	14 16				
FEB	5	PNS	eP	05 13 30				3.9
			S	14 14.6				
		LPB	eP	05 13 39				
FEB	5	PNS	eP	06 22 48				6.2
			eS	23 59				
		LPB	eP	06 22 50				
FEB	5	LPB	eP	09 09 53				
FEB	5	LPB	eP	09 21 41		1.0	6	
		PNS	eP	09 21 48				
FEB	5	LPB	P	12 19 48.5		0.6	28	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	5	USCGS	12 48 58.3, 8.1N, 70.9W, H = 46 Km, M = 4.4 VENEZUELA					
		PNS	iP	12 54 20.0	D	1.0	25	
			iS	58 55				
			eL	13 01				
		LPB	P	12 54 20.3		1.3	61	24.3
			eL	13 01				
FEB	5	USCGS	15 47 32.0, 16.0N, 98.3W, H = 33 Km, M = 3.7 OFF CST OF GUERRERO, MEXICO					
		LPB	eP	15 55 15				43.6
FEB	5	USCGS	16 45 48.0, 12.8S, 74.0W, H = 103 Km, M = 4.3 OW PERU					
		PNS	eP	16 47 22				
			eS	48 36				
		LPB	eP	16 47 24				6.7
FEB	5	USCGS	17 02 26.9, 7.2N, 73.2W, H = 128 km, M = 4.0 N COLOMBIA					
		LPB	eP	17 07 24.5		0.9	10	23.6
		PNS	eP	17 07 25				
FEB	5	USCGS	18 55 45.1, 5.4S, 11.4W, H = 19 km, M = 5.2 ASCENSION IS REG					
		LPB	eP	19 05 24.5				56.7
			S	13 22				
			eL	23				
		PNS	P	19 05 32.3				
			eS	13 24				
			eL	23				
FEB	5	LPB	P	21 57 32.5		0.6	25	4.1
			eS	58 21				
		PNS	P	21 57 33.4				4.1
			S	58 21				
FEB	6	LPB	eP	02 00 39.2		1.0	8	
		PNS	eP	02 00 41.5				7.5
			S	02 07				
FEB	6	USCGS	03 10 33.4, 22.8S, 176.1W, H = 90 Km, M = 5.1 S OF FIJI IS.					
		LPB	eP	03 24 08				99.2

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	6	LPB	P	04 46 28.6	D	1.0	28	
		PNS	eP	04 46 33				1.6
			S	53				
FEB	6	PNS	iP	04 59 14.8	C	0.8	8	2.4
			S	44				
		LPB	iP	04 59 15.8	C	1.0	50	2.4
			S	45				
FEB	6	LPB	P	05 58 51.7		0.8	22	5.4
			eS	59 45				
		PNS	P	05 58 45.3		0.6	5	4.8
			S	59 50.7				
FEB	6	LPB	eP	08 14 38.6				
		PNS	eP	08 14 43.6				
FEB	6	LPB	P	09 57 00		0.7	4	
FEB	6	USCGS	10 18 52.3, 23.0S, 66.9W, H = 213 Km, M = 4.3					
		JUJUY PROV, ARGENTINA						
		LPB	P	10 20 28.7	D	0.8	70	6.5
			Pg	37.2				
			S	21 42				
		PNS	iP	10 20 33.3	C	0.7	10	
			S	21 50.0				
FEB	6	PNS	iP	14 07 37.4	C	1.3	79	5.3
			S	68 38				
		LPB	P	14 08 02.5				9.2
			S	09 47				
FEB	6	LPB	eP	14 32 29				
			eL	49				
		PNS	eP	14 32 33				
			eL	48.9				
FEB	6	USCGS	14 25 01.0, 39.2N, 121.9W, H = 33 Km, M = 4.4					
		N CALIFORNIA						
		LPB	eP	14 36 34				74.7
			eL	15 00				
		PNS	eP	14 36 35				
FEB	6	USCGS	14 48 40.1, 64.8N, 147.4W, H = 53 Km, M = 4.5					
		CENTRAL ALASKA						
		LPB	eP	15 02 10				100.4

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	6	USCGS	15 52 56.0, 35.2N, 141.5E, H = 77 Km, M = 3.9					
		NR E CST OF HONSHU, JAPAN						
		LPB	ePKP	16 12 31				147.6
		PNS	ePKP	16 12 33				
FEB	6	PNS	eP	17 11 42.1		0.4	6	
		LPB	eP	17 11 55.5		0.8	10	
FEB	6	USCGS	17 46 54.0, 33.7N, 137.4E, H = 351 Km, M = 4.0					
		NR S CST OF HONSHU, JAPAN						
		PNS	ePKP	18 05 55				150.8
FEB	7	USCGS	00 53 40.0, 8.9S, 109.7W, H = 33 Km, M = 4.4					
		N EASTER IS CORDILLERA						
		PNS	eP	01 01 22				
			eL	12.9				
		LPB	eP	01 01 24				41.0
			eL	13				
FEB	7	LPB	eP	01 09 57				
FEB	7	LPB	eP	03 36 35				
			S	37 01				
		PNS	eP	03 36 45.6				2.5
			S	37 16				
FEB	7	LPB	e(P)	03 57 37				
			eS	53				
		PNS	eP	03 57 37.4				
FEB	7	LPB	eP	05 05 01				3.9
			S	46.5				
		PNS	eP	05 05 04		0.8	4	3.8
			S	50				
FEB	7	LPB	P	05 43 58.2	D	1.3	76	4.7
			S	44 52.5				
		PNS	P	05 43 59.2		0.9	5	4.8
			S	44 54				
FEB	7	LPB	eP	06 59 43		0.7	6	4.8
			eS	07 00 38				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	7	USCGS	08 28 57.9, 13.9N, 144.8E, H = 138 Km, M = 5.4					
		MARIANA IS						
		LPB	PKP	08 48 28.5				148.0
			eL	09 38				
FEB	7	USCGS	09 02 35.0, 14.3N, 92.3W, H = 33 Km, M = 4.2					
		NR CST OF CHIAPAS, MEXICO						
		LPB	eP	09 09 44.8				38.7
			eL	21				
FEB	7	LPB	eP	12 24 06		0.6	4	
FEB	7	USCGS	14 53 13.9, 56.7N, 157.2W, H = 67 Km, M = 5.6					
		ALASKA PENINSULA						
		LPB	PP	15 11 19				103.2
			eL	42				
FEB	7	LPB	eP	16 38 32		0.8	7	4.7
			eS	39 26				
		PNS	eP	16 38 34.6				4.4
			S	39 25.8				
FEB	7	USCGS	22 56 10.0, 2.4S, 138.3E, H = 33 km, M = 5.0					
		W NEW GUINEA						
		LPB	ePKP	23 15 53				147.6
			eL	00 06				
		PNS	PKP	23 15 53.3				
FEB	7	LPB	eP	23 46 47				
		PNS	eP	23 46 47.4				8.6
			S	48 24				
FEB	8	PNS	P	02 00 18.7		0.6	13	1.8
			S	40.8				
		LPB	eP	02 00 38				
FEB	8	LPB	P	03 13 26.3		0.9	12	2.3
			S	54				
		PNS	P	03 13 28.1		0.5	14	2.3
			iS	55.8				
FEB	8	PNS	eP	03 40 39				
		LPB	eP	03 40 40.5				
FEB	8	PNS	eP	09 07 29.4				2.3
			S	56				
		LPB	eP	09 07 33				3.0
			S	08 08				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	8	USCGS	09 49 41.6, 36.5N, 137.8E, H = 50 Km, M = 4.3					
		HONSHU, JAPAN						
		PNS	ePKP	10 09 30.9				
		LPB	ePKP	10 09 31		0.9	5.1	149.5
FEB	8	PNS	eP	10 59 29.4				3.8
			S	11 00 13				
FEB	8	USCGS	12 18 00.4, 18.3S, 70.0W, H = 106 Km, M = 4.0					
		NR CST OF N CHILE						
		PNS	iP	12 18 41.6	C	1.1	273	
			S	19 11.6				
		LPB	iP	12 18 41.8	D	0.8	314	2.5
			iS	19.3				
FEB	8	PNS	P	13 33 08		0.5	14	2.3
			S	35				
		LPB	P	13 33 10.5	D	1.0	6	2.6
			S	41.5				
FEB	8	USCGS	13 42 17.1, 19.1S, 69.8W, H = 109 Km, M = 4.0					
		N CHILE						
		LPB	iP	13 43 04.5				3.1
			S	39				
			G	44 09				
		PNS	iP	13 43 06.0	D	0.5	126	
			S	38				
			G	44 10				
FEB	8	USCGS	15 35 43.0, 58.3S, 13.0W, H = 33 Km, M = 5.1					
		SW ATLANTIC OCEAN						
		LPB	eP	15 45 35	C			57.6
			i	59.8				
			S	53 37				
			L	59.8				
		PNS	P	15 45 38.3		0.8	14	
			iPP	46				
			S	53 42				
			L	16 03.3				
FEB	8	LPB	P	15 57 23.4	C	1.2	31	
		PNS	P	15 57 26		1.2	37	
FEB	8	LPB	eP	17 21 18		1.0	20	7.2
			S	22 39				
		PNS	eP	17 21 21.7				7.3
			S	22 45				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	8	USCGS	17 17 45.7, 23.2N, 93.9E, H = 33 Km, M = 5.1					
		BURMA-INDIA BOR REG						
		LPB	eL	18 35				162.0
		PNS	ePKP	17 37 47.8				
			eL	18 35				
FEB	8	LPB	eP	18 28 03				
		PNS	eP	18 28 07				
FEB	8	PNS	eP	18 52 06.3				
FEB	8	USCGS	19 39 14.0, 15.2N, 96.3W, H = 46 Km, M = 4.7					
		NR CST OF OAXACA, MEXICO						
		PNS	eP	19 47 01.2				
		LPB	eP	19 47 03				42.0
			eL	20 00				
FEB	8	PNS	eP	21 26 18.8				2.0
			S	43				
FEB	8	PNS	eP	22 36 20				12.0
			e	34				
			S	38 34				
			eL	39.3				
		LPB	eP	22 36 24				10.8
			eS	38 25				
			eL	39.4				
FEB	8	LPB	eP	23 53 57				
		PNS	eP	23 54 00.9				
FEB	9	PNS	P	00 29 35.9		0.4	6	1.9
			iS	58.9				
FEB	9	USCGS	00 50 54.0, 36.6N, 138.3E, H = 33 Km, M = 4.3					
		HONSHU, JAPAN						
		LPB	ePKP	01 10 24.3				149.3
			eL	02 01				
		PNS	eL	02 01				
FEB	9	LPB	eP	01 50 11.5				
FEB	9	LPB	eP	02 00 24				
		PNS	eP	02 00 26				4.7
			S	01 20				
FEB	9	LPB	eP	02 53 35				
		PNS	eP	02 53 37				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	9	LPB	eP	02 53 35				
		PNS	eP	02 53 37				
FEB	9	USCGS	04 43 09.0, 14.0S, 13.7W, H = 33 km, M = 4.4					
		S ATLANTIC RIDGE						
		LPB	eL	05 09				52.4
		PNS	eL	05 09				
FEB	9	LPB	eP	06 16 45.5				5.3
			S	17 47				
		PNS	eP	06 16 51.3				5.3
			S	17 52				
FEB	9	PNS	iP	07 50 36.3		0.7	52	2.9
			iS	51 10.0				
		LPB	P	07 50 40.5				3.2
			S	51 19				
FEB	9	LPB	eP	09 19 53				
		PNS	eP	09 19 56				
FEB	9	USCGS	10 44 54.0, 36.9N, 142.1E, H = 33 Km, M = 4.1					
		OFF E CST OF HONSHU, JAPAN						
		LPB	PKP	11 04 35.5	D	0.8	10	146.4
			eL	53				
		PNS	ePKP	11 04 36				
			eL	53.2				
FEB	9	LPB	eP	12 33 11				
		PNS	eP	12 33 06				
			(S)	54				
FEB	9	USCGS	14 08 18.7, 40.0N, 20.3E, H = 3 Km, M = 5.6					
		GREECE-ALBANIA BOR REG						
		LPB	eL	14 55				99.3
		PNS	eL	14 55.6				
FEB	9	USCGS	15 24 47.2, 2.9N, 74.9W, H = 58 Km, M = 6.3					
		COLOMBIA						
		PNS	eP	15 29 16.2		2.1	1200	
			i	21.8				
			S	32 59				
		LPB	P	15 29 19.4	C	0.9	27	20.5
			i	22.3				
FEB	9	PNS	eP	16 27 31				1.9
			S	53.8				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	9	LPB	(P)	16 43 47		0.5	11	11.9
			(S)	46 00				
		PNS	eP	16 43 48				11.5
			S	45 55.8				
FEB	9	USCGS COLOMBIA	16 44 07.3, 2.8N, 74.7W, H = 62 Km, M = 4.3					
		LPB	P	16 48 41				20.3
		PNS	P	16 48 44		0.5	10	
			eS	52 24.9				
FEB	9	PNS	e(P)	16 51 27.9				17.0
			S	54 36.4				
		LPB	eP	16 51 32	C	0.7	10	17.5
			S	54 44				
FEB	9	USCGS COLOMBIA	17 15 40.3, 3.1N, 75.1W, H = 62 Km, M = 4.1					
		PNS	eP	17 20 16.4				
			eS	24 00				
			L	25.7				
		LPB	eP	17 20 18				20.7
FEB	9	LPB	eP	18 35 34				
			(S)	38 51				
		PNS	P	18 35 42.0		1.0	39	17.0
			S	38 44				
FEB	9	LPB	eP	18 48 42		0.6	9	
		PNS	eP	18 48 44.4				
FEB	9	USCGS COLOMBIA	19 25 21.0, 3.2N, 74.9W, H = 87 Km, M = 4.6					
		PNS	eP	19 30 05.3				
			eL	35.2				
		LPB	eP	19 30 06.5				20.6
FEB	9	USCGS COLOMBIA	21 15 25.7, 2.8N, 74.8W, H = 59 Km, M = 4.4					
		LPB	P	21 19 59.4		1.0	18	20.2
			e	20 14				
			eS	23 45				
		PNS	eP	21 20 02.4				
			iPP	26.0				
			L	25.5				
FEB	9	LPB	eP	23 53 42				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	10	PNS	iP	00 15 01.7	C	0.7	48	1.7
			iS	25				
		CHA	iP	00 15 02.8	D			
		LPB	iP	00 15 04.0	C	0.8	30	2.0
			S	28				
		CCH	P	00 15 23.6	C			
FEB	10	USCGS	00 39 38.0, 3.1N, 74.7W, H = 100 Km, M = 3.9					
		COLOMBIA						
		LPB	eP	00 44 06.7				20.7
		PNS	eP	00 44 08				
			L	49.6				
FEB	10	LPB	P	01 43 28.9		0.8	10	
			e	33.2				
FEB	10	PNS	eP	01 44 01.6				2.5
			S	31.8				
FEB	10	LPB	eP	02 13 12				
		PNS	e(P)	02 13 12.8				
FEB	10	LPB	P	03 07 07.5		0.8	24	
		CHA	P	03 07 09.2				
		PNS	P	03 07 09.4				4.3
			i	21.7				
			S	59.2				
		CCH	iP	03 07 15.4	C			
FEB	10	LPB	eP	05 04 46				
		CCH	P	05 04 38.6				
		PNS	P	05 04 48.4		0.7	12	
			i	55.0				
FEB	10	USCGS	05 46 27.9, 33.0N, 75.5E, H = 27 km, M = 4.9					
		KASHMIR-INDIA BOR REG						
		PNS	ePKP	06 06 02.6				142.9
		LPB	ePKP	06 06 05.5				
			eL	55				
FEB	10	USCGS	05 51 01.9, 41.6N, 86.2E, H = 23 Km, M = 5.1					
		S SINKIANG PROV, CHINA						
		CCH	eP	06 10 42.9				146.7
		LPB	ePKP	06 10 45				
		PNS	PKP	06 10 46				
			eL	07 00.6				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	10	USCGS	06 39 12.0, 2.9N, 74.4W, H = 130 Km, M = 4.0					
		COLOMBIA						
		LPB	P	06 43 35.5		0.7	6	20.2
			e(S)	48 35				
		PNS	eP	06 43 42				
			S	52 45				
			eL	49.2				
		CCH	ePKP	06 43 54.8				
FEB	10	USCGS	06 51 36.9, 16.4S, 69.6W, H = 289 Km, M = 4.2					
		PERU-BOLIVIA BOR REG						
		PNS	iP	06 52 17.4	C			
		CHA	iP	06 52 18.5	C			
		LPB	iP	06 52 19.8				1.3
			S	50				
		CCH	i(P)	06 52 38.6				
FEB	10	LPB	eP	08 33 18				
FEB	10	USCGS	11 29 46.4, 7.3S, 128.5E, H = 27 Km, M = 5.3					
		BANDA SEA						
		LPB	ePKP	11 49 38		1.5	46.8	151.0
			pPKP	49 44.6				
			eL	12 42				
		CCH	ePKP	11 49 39.3				
		PNS	PKP	11 49 40.1		1.4	42	
FEB	10	LPB	eP	21 20 49				11.5
			S	22 57				
FEB	10	PNS	P	23 15 49.3		0.4	2	
			i	16 00				
		LPB	eP	23 15 51				
FEB	10	LPB	P	23 19 29				
FEB	11	CCH	iP	01 03 28.0	D			
		LPB	P	01 03 40.5		0.7	46	7.8
			S	05 08.6				
		PNS	iP	01 03 44.1	D	0.9	57	7.8
			S	05 11.9				
FEB	11	PNS	iP	00 40 25.1	D	0.8	19	4.8
			S	41 20				
		LPB	eP	01 40 54				4.8
			S	41 50				
FEB	11	LPB	eP	02 26 21.5				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	11	USCGS	02 39 47.1, 51.7N, 159.5E, H = 21 Km, M = 4.6					
		OFF E COAST OF KAMCHATKA						
		LPB	ePKP	02 58 55.5				128.7
			eL	03 40				
		PNS	eL	03 40.8				
FEB	11	USCGS	04 25 46.8, 16.3N, 98.6W, H = 38 Km, M = 4.7					
		NEAR COAST OF GUERRERO, MEXICO						
		PNS	P	04 33 54.2		1.0	10	
			ipP	33 58.7				
			i	34 06				
			S	40 28				
			L	47.1				
		LPB	eP	04 33 56.5				43.6
			ipP	34 02				
			eS	40 30				
			eL	49.5				
		CCH	eP	04 34 09.0				
FEB	11	USCGS	04 48 05.3, 16.4N, 98.6W, H = 34 Km, M = 4.6					
		NEAR COAST OF GUERRERO, MEXICO						
		LPB	eP	04 56 14				43.6
			eL	05 09				
		PNS	eL	05 09.3				
FEB	11	PNS	e(P)	05 09 34.9				
		LPB	eP	05 09 39.5		0.6	3	10.9
			eS	11 43				
FEB	11	LPB	eP	05 10 31.5		1.0	4	
FEB	11	USCGS	05 04 23.9, 15.9N, 98.7W, H = 21 Km, M = 4.4					
		OFF COAST OF GUERRERO, MEXICO						
		PNS	L	05 25.5				
FEB	11	LPB	P	05 15 30.5		1.1	27	
		PNS	eP	05 15 31.6				
FEB	11	LPB	eP	05 23 26				
			i	23 39.3				
		PNS	e(P)	05 23 27.8				
			e	23 40.8				
FEB	11	LPB	P	06 39 46.7		1.0	6	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	11	CCH	eP	06 40 18.3				
		LPB	P	06 40 23.4		0.9	14	
		PNS	P	06 40 25.2		0.8	19	4.0
			S	41 12.8				
FEB	11	LPB	eP	07 41 15.5				
FEB	11	USCGS	08 55 42.0, 42.0N, 75.5W, H = 33 Km, M = 4.3					
		COLOMBIA						
		LPB	eP	09 00 13.5				21.5
FEB	11	LPB	eP	09 05 58.5				1.5
			eS	06 18				
		PNS	eP	09 06 01.3				
FEB	11	LPB	P	09 38 40.5		0.9	5	
		PNS	P	09 38 42		1.3	14	
FEB	11	USCGS	09 27 29.6, 52.0N, 106.2E, H = 5 Km, M = 5.4					
		LAKE BAIKAL REGION						
		PNS	iPKP	09 47 05.6	C	1.2	23	
			PP	50 21.6				
		LPB	PKP	09 47 05.8		1.1	20	144.4
			eL	10 47				
		CCH	PKP	09 47 07.0				
FEB	11	USCGS	12 29 44, 19.4N, 108.0W, H = 33 Km, M = 4.3					
		REVILLA GIGEDO IS REG						
		LPB	eP	12 38 56.4				52.7
			epP	38 06.7				
			eL	54				
		PNS	P	12 38 58.3	C	1.0	8	
			pP	39 10.7				
			i	39 23.0				
			eL	54.1				
FEB	11	PNS	iP	13 23 16.2	D	0.7	24	2.0
			iS	23 40.0				
		CHA	iP	13 23 17.2	D			
FEB	11	LPB	P	13 24 50		0.9	22.0	2.3
			S	25 17.5				
		PNS	iP	13 24 50.3	D	1.0	17	2.4
			iS	25 18.2				
		CHA	P	13 24 50.5				
FEB	11	LPB	P	14 16 38.5		0.8	13	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	11	USCGS	14 33 06.3, 48.2N, 154.8E, H = 26 Km, M = 4.7					
		KURILE IS						
		PNS	ePKP	14 52 22.3				
			eL	15 36.3				
		LPB	ePKP	14 52 23.5				133.1
			eL	15 36				
FEB	11	PNS	P	15 24 03.2				2.2
			S	24 29.3				
FEB	11	USCGS	15 31 27.1, 79.6N, 3.4E, H = 33 Km, M = 4.9					
		GREENLAND SEA						
		LPB	eP	15 45 15				103.0
			eL	16 19				
		PNS	eL	16 20.3				
FEB	11	PNS	P	16 15 52.2		1.0	7	
			i	15 58.3				
		LPB	eP	16 15 53				
FEB	11	LPB	P	16 34 50.5				
		PNS	P	16 34 54.9		0.5	4	
FEB	11	PNS	P	16 47 04.4	C	1.0	21	
		LPB	eP	16 47 48.5				
FEB	11	USCGS	19 25 02.3, 15.1S, 72.0W, H = 133 Km, M = 4.0					
		S PERU						
		PNS	iP	19 25 58.4	C	0.5	17	
			eS	26 41				
		CHA	P	19 26 01.1				
		LPB	P	19 26 03.8		1.0	22	3.7
			S	26 30				
FEB	11	PNS	iP	19 42 17.0	C	0.7	45	
		LPB	P	19 43 13.0		1.1	40	
			e(S)	44 15				
FEB	11	USCGS	19 48 03.2, 21.9S, 70.8W, H = 29 Km, M = 4.7					
		NEAR COAST OF N CHILE						
		LPB	P	19 49 22		1.1	75	5.8
			i	49 46.7				
			S	50 40.5				
		PNS	iP	19 49 33.1	D	1.0	52	
			iS	50 43.4				
		CHA	P	19 49 35.3				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	11	LPB	eP	22 06 47				
		PNS	eP	22 06 50.8				
FEB	11	LPB	P	22 58 23		1.1	42	
		PNS	iP	22 58 45.8	D	0.9	24	
FEB	11	LPB	eP	23 03 17				10.9
			eS	05 19				
		PNS	P	23 03 21.7		1.4	28	10.9
			S	05 23.7				
FEB	11	USCGS	22 50 31.5, 51.4N, 174.8E, H = 33 Km, M = 4.7					
		NEAR IS, ALEUTIAN IS						
		LPB	eL	23 47				119.7
		PNS	eL	23 47.6				
FEB	11	PNS	eP	23 18 31.2				
		LPB	eP	23 18 33				
FEB	11	LPB	eP	23 23 35				
		PNS	eP	23 23 41.9				3.9
			eS	24 28				
FEB	12	USCGS	00 21 35.5, 35.9N, 138.8E, H = 57 Km, M = 4.1					
		HONSHU, JAPAN						
		PNS	ePKP	00 41 19.7				
			eL	01 32.3				
		LPB	ePKP	00 41 21.5		1.1	15	149.2
			eL	01 32				
FEB	12	PNS	P	02 24 44		1.0	7	
		LPB	eP	02 24 49				
FEB	12	LPB	P	05 41 23.7		[illegible]	[illegible]	
		PNS	eP	05 41 25.3				
FEB	12	PNS	P	06 01 36.2		[illegible]	17	
		LPB	eP	06 01 42		[illegible]	[illegible]	
FEB	12	LPB	eP	06 08 57.5				
		PNS	P	06 08 59.5				
FEB	12	PNS	P	07 39 26.4		1.0	9	
		LPB	e(P)	07 39 33				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	12	PNS	eP	07 43 08.4				11.3
			S	45 14.4				
		LPB	eP	07 43 29				10.4
			eS	45 26.5				
FEB	12	LPB	eP	09 00 36				5.0
			eS	01 34				
		PNS	eP	09 00 37.8				
FEB	12	USCGS	10 16 13.5, 2.1S, 12.3W, H = 33 Km, M = 4.8					
		N OF ASCENSION IS						
		LPB	eP	10 25 56		1.0	14	56.9
			eS	33 54				
			eL	43.6				
		PNS	eP	10 25 58.8		0.9	7	
			eS	33 50				
			L	43.7				
FEB	12	PNS	P	10 31 03.3		0.4	3	2.5
			S	31 33				
		LPB	P	10 31 11.2		1.0	16	3.2
			eS	31 49.5				
FEB	12	LPB	eP	10 53 36.5		0.9	3	
		PNS	eP	10 53 38.4				2.5
			S	54 08.4				
FEB	12	USCGS	11 50 50.0, 42.6S, 83.8E, H = 33 Km, M = 5.4					
		MID-INDIAN RISE						
		LPB	ePKP	12 09 33				115.5
			eL	45				
		PNS	ePKP	12 09 33.3				
			L	45.3				
FEB	12	LPB	eP	12 18 36.5		1.0	12	20.0
			eS	22 17.5				
		PNS	P	12 18 37.6		1.0	11	19.0
			S	22 03				
FEB	12	LPB	eP	13 23 26				4.1
			eS	24 14				
		PNS	eP	13 23 29.9				3.7
			S	24 13.4				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	12	USCGS	13 55 05.0, 2.8N, 74.4W, H = 100 Km, M = 3.8					
		COLOMBIA						
		PNS	P	13 59 42		0.8	8	
			S	14 03 21.4				
			eL	05				
		LPB	eP	13 59 47.5		0.8	16	20.2
FEB	12	USCGS	14 08 12.5, 21.7S, 70.1W, H = 18 Km, M = 5.5					
		NEAR COAST OF N CHILE						
		LPB	P	14 09 38.7		0.7		5.4
			i	09 42.7				
			L	11.6				
		CHA	iP	14 09 43.3	D			
		PNS	iP	14 09 43.4	D			
			iS	10 42				
			L	11.4				
FEB	12	LPB	eP	16 23 40				
FEB	12	USCGS	16 06 48.0, 35.8N, 71.0E, H = 100 Km, M = 5.2					
		HINDU KUSH REG						
		PNS	ePKP	16 25 57.4				
			eL	17 12.7				
		LPB	eL	17 12				138.6
FEB	12	PNS	P	16 47 59.2		0.5	5	
		LPB	eP	16 48 00		1.0	10	
FEB	12	TRJ	P	17 44 34.9	D			
FEB	12	USCGS	17 54 35.9, 5.2S, 149.3E, H = 95 Km, M = 5.2					
		NEW BRITAIN REGION						
		LPB	ePKP	18 13 41				136.8
			eL	59				
		PNS	ePKP	18 13 44.5				
FEB	12	TRJ	P	18 26 13.2				
FEB	12	LPB	eP	19 00 16				
FEB	12	TRJ	P	19 33 27.6				
		LPB	P	19 33 45.3		0.8	15	4.8
			eS	34 40.5				
		PNS	iP	19 33 47	C	0.6	3	5.1
			S	34 46.3				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	12	PNS	P	19 58 34	C	0.7		3.7
			iS	59 16.6				
		CHA	P	19 58 37.1				
			iS	59 17.4				
FEB	12	LPB	P	19 59 30.5		0.8	30	1.3
			eS	59 48				
FEB	12	LPB	eP	21 12 58				
		PNS	P	21 13 02.2		0.8	5	
FEB	12	TRJ	P	23 47 00.9				2.4
			S	47 30.0	D			
FEB	13	TRJ	P	00 39 13.6				
		LPB	eP	00 39 14.5				
FEB	13	TRJ	P	01 14 53.3				
FEB	13	LPB	eP	02 09 52.5				
			e	10 40.5				
FEB	13	USCGS	05 15 24.7, 38.1S, 73.4W, H = 33 Km, M = 4.6					
		NR CST OF CENTRAL CHILE						
		LPB	P	05 20 19.3		1.3	30	21.6
			i	24				
			PP	45.5				
			S	24 28				
			eL	26				
		PNS	P	05 20 21.6	C	1.3	44	
			i	27.9				
			pP	31.2				
			PP	47.8				
			PCP	24 31.0				
			eL	26.2				
		CCH	P	05 20 14.5	D			
FEB	13	PNS	P	06 16 32		0.5	66	2.2
			iS	58.3				
		LPB	iP	06 16 33.3		0.4	17	2.3
			i	48.4				
			S	17 00.5				
FEB	13	USCGS	06 02 10.5, 24.6N, 121.3E, H = 80 Km, M = 4.9					
		TAIWAN						
		LPB	PKP	06 22 13.5		1.0	8	168.0
			eL	07 22				
		PNS	ePKP	06 22 14.3		1.3	107	
			G	07 11				
			eL	07 21.7				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER.	AMPL	DIST
FEB	13	PNS	P	06 23 16.4		0.8	48	
		LPB	P	06 23 16.5				
		CCH	P	06 23 25.6				
FEB	13	CCH	iP	07 40 13.6				
		LPB	iP	07 40 25		0.4	37	7.3
			eS	41 48.5				
		PNS	iP	07 40 29.1	C	0.4	14	7.8
			S	41 57.9				
		TRJ	P	07 39 31.2				
FEB	13	USCGS	07 25 55.0, 48.4N, 154.5E, H = 11 Km, M = 4.6					
		KURILE IS						
		LPB	eL	08 28				132.5
		PNS	eL	08 28.1				
FEB	13	USCGS	08 32 42.0, 38.1S, 73.0W, H = 53 Km, M = 4.3					
		CENTRAL CHILE						
		LPB	eP	08 37 33		1.0	10	21.6
			S	41 47				
			L	43				
		CCH	P	08 37 31.2				
		PNS	iP	08 37 40.8	C	0.8	38	
			iPP	38 08.0				
			eS	41 51				
			SS	42 56				
			eL	44.3				
FEB	13	PNS	iP	08 38 40.1	D	0.4	46	2.0
			iS	39 04.2				
FEB	13	LPB	eP	08 43 44		0.9	7	
			e(S)	44 26.5				
		PNS	P	08 43 44.8				
			e	53.8				
FEB	13	USCGS	10 25 43.4, 5.2S, 75.4W, H = 39 Km, M = 5.5					
		N PERU						
		PNS	iP	10 28 48.5	C	0.9	130	
			iPP	29 02.4				
			S	31 17				
			PCP	34				
		CCH	iP	10 28 09.9	C			
		TRJ	P	10 30 02.3				
FEB	13	USCGS	10 07 34.5, 52.5N, 169.6W, H = 51 Km, M = 4.5					
		FOX IS, ALEUTIAN IS						
		LPB	eL	11 00				110.0

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	13	USCGS	11 16 33.0, 38.2S, 73.3W, H = 33 Km, M = 4.4					
		NR CST OF CENTRAL CHILE						
		CCH	P	11 21 23.6				
		LPB	P	11 21 26.5		1.1	10	21.6
			e	27.5				
		PNS	iP	11 21 30.6	C	1.6	32	
			eL	27				
FEB	13	USCGS	11 21 08.4, 36.2N, 139.7E, H = 58 Km, M = 4.9					
		HONSHU, JAPAN						
		TRJ	ePKP	11 41 03.7				
		LPB	ePKP	11 40 43				148.5
			iPKP2	51.7				
			eL	12 31				
		PNS	ePKP	11 40 47.5		1.3	15	
			i	50.9				
			ePKS	44 23.6				
			eL	12 31.7				
		CCH	(P)	11 40 52.6				
FEB	13	USCGS	11 30 45.0, 43.9N, 148.4E, H = 33 Km, M = 4.6					
		KURILE IS REG						
		LPB	eL	12 41				147.9
		PNS	PKP	11 50 29.4		1.2	11	
FEB	13	PNS	P	13 51 06.1		0.5	11	
			i	17.1				
		LPB	eP	13 51 07				
FEB	13	USCGS	13 53 21.0, 1.9N, 73.5W, H = 45 Km, M = 4.7					
		COLOMBIA						
		PNS	iP	13 57 40.1	C	0.7	65	
			iPPP	58 13.0				
			L	14 03.1				
		LPB	iP	13 57 44.5		0.8	11	19.2
			i	59.6				
			S	14 03.1				
		CCH	iP	13 57 58.5	C			
FEB	13	USCGS	13 59 12.4, 6.9S, 129.3E, H = 166 Km, M = 4.9					
		BANDA SEA						
		PNS	PKP	14 18 49.8				
			eL	15 10.8				
		LPB	eL	15 10				151.1
FEB	13	LPB	P	14 20 40				
		PNS	P	14 20 43.8		0.7	37	3.8
			S	21 27.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	13	TRJ	P	15 00 44.3	D			2.1
			S	01 15.8				
FEB	13	PNS	P	15 05 12.7	C	0.9	27	3.8
			i	27.2				
			S	56.6				
		LPB	P	15 05 34		0.9	10	2.6
			S	06 05				
FEB	13	USCGS	15 29 05.1, 5.1S, 153.1E, H = 57 Km, M = 5.0					
		NEW IRELAND REG						
		LPB	ePKP	15 48 20				133.1
			PKS	51 47.2				
			eL	16 33				
		PNS	PKP	15 48 20.4		1.6	54	
			PKS	51 46.8				
			L	16 32.1				
FEB	13	PNS	eP	16 27 38.0				4.6
			S	28 30.7				
		LPB	eP	16 27 52				
			S	28 45.5				
FEB	13	LPB	eP	16 45 24				
		PNS	eP	16 45 38		0.7	2	
FEB	13	USCGS	17 14 55.0, 16.0N, 98.5W, H = 9 Km, M = 4.3					
		OFF CST OF GUERRERO, MEXICO						
		LPB	eP	17 23 02				44.0
		PNS	P	17 23 04.2		0.9	3	
			eL	36.3				
FEB	13	USCGS	17 05 10.3, 43.6N, 147.4E, H = 30 Km, M = 4.7					
		KURILE IS						
		LPB	ePKP	17 24 39l				139.5
		PNS	ePKP	17 24 39.2				
			eL	18 11.4				
FEB	13	LPB	P	17 50 00.6		0.8	7	
		PNS	iP	17 50 07.3	C	0.8	3	
FEB	13	PNS	iP	18 27 17.5		1.0	7	
		LPB	eP	18 27 19				
FEB	13	LPB	P	19 06 50		1.0	10	
FEB	13	PNS	P	19 14 22.7				2.1
			S	47.4				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	13	CCH	iP	21 00 21.3				
		PNS	P	21 00 23.7		0.8	4	
			iPP	41.7				
			S	03 17				
			L	04.2				
		CHA	eP	21 00 27.6				
		LPB	eP	21 00 28		1.0	26	
			iPP	51.5				
			eS	03 19.5				
			L	04.3				
		TRJ	P	20 59 37.8				
			iPP	56.0				
FEB	13	USCGS	20 43 49.0, 51.1N, 179.4W, H = 33 Km, M = 4.4					
		ANDREANOF IS ALEUTIAN IS						
		LPB	eL	21 39				115.7
		PNS	eL	21 39.2				
FEB	13	LPB	P	21 39 32.5		0.9	15	
		PNS	eP	21 39 33.7		0.9	10	
FEB	13	USCGS	21 21 45.0, 2.2S, 121.5E, H = 41 Km, M = 4.7					
		CELEBES						
		LPB	PKP	21 41 03.5		1.1	30	158.8
			e	12.4				
			eL	37				
		PNS	PKP	21 41 06.3		1.0	16	
			eL	22 35.9				
FEB	13	LPB	eP	22 28 11				
		PNS	eP	22 28 31.5		0.6	1	
			i	51				
FEB	13	PNS	P	22 56 47.1		0.9	6	11.1
			S	58 51				
		LPB	eP	22 56 49		0.8	9	
FEB	13	LPB	eP	23 09 11				
		PNS	eP	23 09 12.1				
FEB	13	USCGS	23 14 19.6, 52.7N, 34.1W, H = 10 Km,					
		N ATLANTIC OCEAN						
		PNS	P	23 26 02.4	C	1.5	53	
			i	43.1				
			PP	28 54.8				
			S	35 41				
			eSS	48 18				
			G	45.2				
			L	50.3				
		LPB	P	23 26 02.8		2.0	118	74.7
			i	06.2				
			ePP	28 45				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
			S	35 43				
			SS	40 20				
			L	49				
		TRJ	P	23 26 03.6				
		CCH	P	23 26 03.6				
FEB	13	CCH	e(P)	23 53 25.8				
		TRJ	eP	23 53 30.3				
		PNS	P	23 53 35.2				
		LPB	eP	23 53 36.5				
FEB	13	TRJ	iP	23 58 20.3	D			
FEB	14	USCGS	01 36 04.7, 13.7N, 96.5E, H = 27 Km, ANDAMAN IS REG					
		CCH	P	01 56 08.1				
		TRJ	PLP	01 56 06.0				
		LPB	PKP	01 56 10		2.3	320	165.1
			i	24.5				
			ePP	02 00 58				
			SKS	04 38				
			eSS	21 00				
			eG	43				
			eL	54				
		PNS	PKP	01 56 10.1		2.5	125	
			iPKP2	57 05.7				
			PKS	59 36.3				
			PP	02 00 50.0				
			iSS	21 10				
			G	42.4				
			L	54				
FEB	14	LPB	P	03 40 12.5		1.0	16	
		PNS	iP	03 40 15.2	C	0.8	8	
		CCH	P	03 40 58.1				
		TRJ	P	03 39 27.4				
FEB	14	USCGS	05 02 38.4, 13.3S, 171.3E, H = 635 km, M = 5.6 NEW HEBRIDES IS REG					
		PNS	iPKP	05 20 10.4	D	0.9	10	
			PP	21 15.2				
			i	22 48.4				
			PKS	23 41				
			eSS	36 56				
			eL	55.9				
		TRJ	PKP	05 20 12.0				
		CCH	iPKP	05 20 12.4	D			
		LPB	PKP	05 20 10.7		0.9	24	114.1
			PP	21 16.7				
			i	22 48.7				
			eL	06 00				
FEB	14	LPB	P	05 25 49.2		1.0	16	
		PNS	iP	05 25 52.0		0.8	9	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	14	CCH	P	08 20 28.2	D			
		LPB	eP	08 20 32				
			e	21 14.5				
		PNS	iP	08 20 39.0	C	0.7	4	
FEB	14	CCH	eP	09 21 32.4				
		TRJ	P	09 21 31				
FEB	14	PNS	eP	09 42 56.5		0.9	2	
		CCH	eP	09 42 57.8				
		LPB	eP	09 42 59				
FEB	14	PNS	P	09 58 07.3				1.8
			S	29.7				
FEB	14	LPB	eP	14 48 03				
FEB	14	USCGS	18 13 14.0, 19.4S, 172.8W, H = 33 km, M = 4.9					
		TONGA IS REG						
		LPB	eP	18 26 24				97.4
			eL	57				
FEB	14	USCGS	22 02 44.5, 51.7N, 178.2E, H = 18 Km, M = 4.4					
		RAT IS, ALEUTIAN IS						
		LPB	ePKP	22 21 22				117.5
			eL	58				
		PNS	eL	22 58.5				
FEB	15	PNS	P	01 44 57.7				2.3
			S	45 25.3				
		LPB	P	01 45 02		0.9	15	2.7
			S	34.4				
FEB	15	USCGS	01 47 27.7, 34.5N, 47.6E, H = 38 Km, M = 5.0					
		W IRAN						
		PNS	ePKP	02 06 21.5				
			eL	44.2				
		LPB	ePKP	02 06 22.5				120.6
FEB	15	USCGS	01 49 35.9, 18.9S, 169.6E, H = 264 Km, M = 4.4					
		NEW HEBRIDES IS						
		PNS	eL	02 43.4				113.1
FEB	15	LPB	e(P)	02 23 33				
			S	25 16.5				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	15	USCGS UTAH	03 28 03.5, 40.1N, 109.1W, H = 5 Km, M = 4.4					
		PNS	eP	04 00.1				68.0
FEB	15	TRJ	P	04 26 09.9				4.0
			S	56.4				
FEB	15	PNS	eP	04 47 42.6				
		LPB	P	04 47 44.5				
FEB	15	LPB	eP	04 57 15				
		PNS	P	04 57 20				5.4
			S	58 20.2				
FEB	15	LPB	eP	05 10 39				
		PNS	P	05 10 39.4				2.8
			S	11 12.5				
		TRJ	iP	05 10 02.7				
FEB	15	USCGS MASCARENE IS REG	05 40 14.0, 17.1S, 66.6E, H = 33 Km, M = 5.0					
		PNS	ePKP	05 59 11.4		1.2	7	
			L	06 40.5				
		LPB	ePKP	05 59 14.5				124.1
			eL	06 39				
FEB	15	USCGS BURMA	05 57 24.6, 20.4N, 94.1E, H = 10 Km, M = 5.5					
		LPB	PKP	06 17 29.3		1.5	60	162.9
			PKP2	18 18.3				
			eSS	42 28				
			eL	07 15				
		PNS	iPKP	06 17 30.5	D			
			iPKP2	18 19.1				
			PKS	21 58				
			PP	22 01				
			eSS	42 30				
			L	17 15.7				
		TRJ	PKP	06 18 01.9				
FEB	15	PNS	P	06 42 03.5				2.0
			S	28				
FEB	15	PNS	P	07 36 02.3		0.6	2	
		LPB	eP	07 35 14.5				
FEB	15	LPB	eP	07 56 50		0.9	7	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	15	LPB	eP	08 20 25				
		PNS	P	08 20 44.1				
	15	PNS	P	09 36 06.3	C	0.6	3	
	15	LPB	P	12 20 16.5		0.7	22	
		PNS	iP	12 20 17.5				
FEB	15	LPB	eP	13 24 22				
		PNS	eP	13 34 20.2		0.4	3	
FEB	15	USCGS	16 11 11.8, 9.0S, 71.3W, H = 597 km, M = 6.2					
		PERU-BRAZIL BOR REG						
		PNS	iP	16 13 09.4	C			
			S	14 23				
		CHA	iP	16 13 10.3	D			
		LPB	iP	16 13 12.2	D	0.7	75	8.0
			i	42.0				
			iS	14 25				
FEB	15	LPB	eP	16 28 12				
		PNS	S	16 31 58.6				
FEB	15	PNS	P	16 49 17.5				
			i	30.0				
		LPB	eP	16 49 18				
FEB	15	LPB	eP	16 55 25				
		PNS	P	16 55 26.9				
FEB	15	PNS	eP	17 07 04.6				
FEB	15	LPB	eP	17 31 48				
		PNS	P	17 31 58.8				
FEB	15	USCGS	19 32 21.0, 24.6S, 177.6W, H = 70 Km, M = 4.9					
		S OF FIJI IS						
		LPB	ePKP	19 46 10.5				99.9
			eL	20 19				
		PNS	eSKS	19 56 40				
			L	20 19.1				
FEB	15	LPB	P	19 53 49				3.7
			S	54 32				
		PNS	eP	19 33 54.4				3.7
			S	54 37.9				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	15	PNS	eP	21 11 00				4.6
			i	09.6				
			S	53.4				
		LPB	eP	21 11 05		0.7	10	4.6
			i	10.5				
			eS	58.5				
FEB	15	TRJ	P	22 46 01.1				
FEB	15	PNS	P	23 05 13.5		1.2	30	
		LPB	P	23 05 13.8		1.0	12	
FEB	15	TRJ	eP	23 24 08.1				
		LPB	eP	23 24 37				
FEB	15	USCGS	23 42 56.0, 52.7N, 33.9W, H = 33 Km, M = 4.4					
		N ATLANTIC OCEAN						
		LPB	eL	00 19				74.9
FEB	16	LPB	P	00 06 55		0.6	10	2.1
			S	07 20.5				
FEB	16	LPB	eP	00 23 89.3				
FEB	16	LPB	P	06 09 36.6		0.9	10	2.5
			S	10 06.2				
		PNS	iP	06 09 45.2	C			2.8
			S	10 17.9				
FEB	16	TRJ	iP	07 10 10.4	D			
		LPB	P	07 11 07.4		1.0	10	
		PNS	P	07 11 11.8				
FEB	16	LPB	P	08 40 23		0.7	8	
		PNS	iP	08 40 26.8	D	0.5	9	5.7
			S	41 32.4				
FEB	16	USCGS	08 22 43.7, 4.7S, 155.4E, H = 489 Km, M = 4.5					
		SOLOMON IS						
		LPB	eL	09 24				131.7
		PNS	eL	09 24.3				
FEB	16	TRJ	eP	10 17 31.2				3.7
			S	18 14.2				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	16	LPB	iP	12 23 54.8		0.7	9	0.8
			i	24 03				
			S	06.2				
		PNS	iP	12 23 59.3	C			
FEB	16	LPB	eP	12 44 11.5		1.2	19	
		PNS	P	12 44 12.5				
FEB	16	USCGS	13 28 22.0, 5.8N, 82.5W, H = 33 Km, M = 4.3					
		S OF PANAMA						
		LPB	eP	13 33 51.8				25.8
			eL	40				
		PNS	iP	13 33 57.6	D	1.0	4	
			eL	40.1				
FEB	16	USCGS	15 05 53.1, 37.4N, 114.2N, H = 20 Km, M = 4.5					
		S NEVADA						
		PNS	eP	15 16 53.6				
			L	39				
		LPB	eL	15 39				69.1
FEB	16	LPB	eP	15 55 34.5				
FEB	16	USCGS	17 01 23.4, 7.1S, 123.3E, H = 653 Km, M = 4.7					
		BANDA SEA						
		LPB	ePKP	17 19 21				153.9
			eL	18 03				
		PNS	ePKP	17 20 03.4				
			eL	18 03.6				
FEB	16	USCGS	17 52 07.0, 7.5S, 156.1E, H = 72 Km, M = 5.0					
		SOLOMON IS						
		LPB	PKP	18 11 13.2		1.2	28	130.5
			eL	54				
		PNS	PKP	18 11 17.6	C	1.5	21	
			eSS	31 36				
			eL	53.5				
FEB	16	USCGS	18 43 34.0, 32.0N, 116.1W, H = 33 Km, M = 5.0					
		CALIFORNIA-MEXICO BOR REG						
		PNS	eL	19 16.1				66.5
FEB	16	USCGS	19 52 11.6, 16.1N, 96.9W, H = 60 Km, M = 4.6					
		OAXACA, MEXICO						
		PNS	P	20 00 05.3	C	1.0	10	
			L	13.1				
		LPB	eL	20 14				43

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	16	USCGS	23 49 06.8, 3.4N, 76.0W, H = 181 Km, M = 4.3					
		COLOMBIA						
		PNS	P	23 53 36	C	0.9	10	
			L	59.4				
		LPB	P	23 53 39.5		0.8	27	21.4
			eL	00 50				
FEB	17	USCGS	00 37 42.5, 4.4N, 125.6E, H = 66 Km, M = 5.5					
		TALAUD IS						
		TRJ	PKP	00 57 39.4				
			iPKP2	58 19.9				
		PNS	iPKP	00 57 41.0	C	1.7	120	
			iPKP2	58 28.1				
			PP	01 02 24.6				
			SS	22 35				
			eL	54.8				
		LPB	PKP	00 57 41.2		1.5	110	162.0
			iPKP2	58 27.7				
			ePKS	01 01 16.5				
			ePP	02 11				
			eSS	22 43				
			eL	01 54				
FEB	17	USCGS	01 19 09.0, 30.9S, 65.4W, H = 182 Km, M = 3.7					
		CORDOBA PROV, ARGENTINA						
		TRJ	P	01 21 24.9				
		LPB	P	01 22 28.0		0.5	13	14.6
			i	30.5				
			S	25 19.4				
			eL	26.5				
		CHA	P	01 22 31.7				
		PNS	iP	01 22 31.8	C	0.6	19	
			S	25 25.6				
			eL	26.4				
FEB	17	LPB	eP	02 47 40		0.7	6	
FEB	17	USCGS	02 46 51.0, 6.7S, 147.5E, H = 62 Km, M = 4.6					
		E NEW GUINEA REG						
		LPB	ePKP	03 06 18.5				137.9
			eL	52				
FEB	17	LPB	eP	04 10 21		1.1	10	
		PNS	eP	04 10 21.4				
FEB	17	LPB	eP	04 28 54		0.5	8	
			S	57.5				
FEB	17	LPB	P	04 31 11.2				
		PNS	P	04 31 15.6	D	0.5	8	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	17	PNS	P	06 19 50				2.7
			S	20 22.5				
FEB	17	PNS	P	07 52 46.2				4.3
			iS	53 36.6				
		CHA	P	07 52 42.3				
		LPB	P	07 52 42.5		0.8	24	3.4
			i	43.7				
			S	53 23				
		TRJ	eP	07 52 49.9				
FEB	17	USCGS	07 58 25.0, 25.6S, 70.2W, H = 81 Km, M = 4.5					
		NR CST OF N CHILE						
		TRJ	P	08 00 04.8				
		LPB	P	08 00 37.5		0.8	24	9.4
			S	02 18				
			eL	03.8				
		CHA	P	08 00 38.5				
		PNS	iP	08 00 38.8	C	1.2	86	
			PP	48.7				
			eS	02 26				
			SS	38				
			L	03.5				
FEB	17	LPB	eP	08 27 21.5				
		PNS	P	08 27 22.4	C			
FEB	17	USCGS	10 06 45.0, 28.8N, 43.4W, H = 33 Km, M = 4.9					
		N ATLANTIC RIDGE						
		PNS	P	10 15 46.6				
			eS	23 05				
		LPB	P	10 15 47.2		1.4	76	50.9
			ePP	17 49				
			eL	31				
FEB	17	USCGS	10 10 51.5, 23.7S, 175.2W, H = 19 Km, M = 6.4					
		TONGA IS REG						
		PNS	P	10 24 30.3	D			
			pP	41.0				
			PP	28 28.7				
			SKS	35 08				
			PS	36 27				
			SS	42 39				
			eG	51.5				
			L	56.1				
		LPB	P	10 24 31.2		1.8	7	98.2
			e	49.5				
			PP	28 29				
			SKS	35 12				
			PKS	37 18				
			G	51.8				
			L	56.5				
		TRJ	eP	10 24 32.0				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	17	CHA	iP	10 43 27.1	D			0.4
		PNS	P	10 43 30.6	D	0.3	8	0.4
			iS	37.9				
		LPB	eP	10 43 41.7		0.7	8	
			e	46.2				
FEB	17	LPB	eP	11 30 33				
		PNS	P	11 30 35.7				
FEB	17	LPB	P	12 46 04.2		0.4	15	
FEB	17	USCGS	12 38 26.0, 15.6S, 168.1E, H = 33 Km, M = 4.3					
		NEW HEBRIDES IS						
		LPB	ePKP	12 57 10				115.6
			eL	13 33				
		PNS	eL	13 33.3				
FEB	17	LPB	eP	14 13 06				
		PNS	P	14 13 35.3				
FEB	17	PNS	iP	15 27 28.1				5.8
			S	28 33.7				
FEB	17	USCGS	15 57 47.0, 28.9N, 43.4W, H = 33 km, M = 4.7					
		N ATLANTIC RIDGE						
		PNS	P	16 06 48.8	D			
			PP	07 00.8				
			L	21.5				
		LPB	P	16 06 49.5	C	1.5	88	50.9
			eL	22.7				
		TRJ	P	16 07 11.6				
FEB	17	PNS	eP	16 27 28.8				4.4
			i	32.0				
			S	28 20.2				
		LPB	eP	16 27 40		0.9	32	4.5
			eS	28 32.5				
FEB	17	PNS	iP	16 33 46.6	C	0.6	18	
		LPB	P	16 33 51.5		0.8	10	3.3
			S	34 30.4				
FEB	17	LPB	eP	17 08 11				
		PNS	P	17 08 12.0				
FEB	17	PNS	P	17 29 53.2		0.4	2	1.9
			S	30 15.8				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	17	PNS	iP	17 50 50.1	C	0.5	9	1.8
			S	51 12.4				
FEB	17	TRJ	iP	19 03 48.6	D			
FEB	17	TRJ	iP	19 51 01.1	D			2.3
			S	32.8				
FEB	17	USCGS	20 23 19.0, 17.0N, 98.6W, H = 47 Km, M = 4.6					
		GUERRERO, MEXICO						
		PNS	P	20 31 26.6	D	1.3	42	
			L	46.9				
		LPB	eP	20 31 29				45.0
			eL	46				
FEB	17	LPB	P	20 48 17.2				2.3
			S	45.5				
		PNS	iP	20 48 18.8	D			1.9
			iS	41.4				
		CHA	P	20 48 20.1	D			2.0
			S	44.5				
FEB	17	USCGS	21 13 57.0, 21.1S, 69.0W, H = 138 Km, M = 4.2					
		CHILE-BOLIVIA BOR REG						
		TRJ	P	21 14 49.6				
			i	15 28.6				
		LPB	P	21 15 08.2		1.0	28	4.6
			iPg	25.7				
			S	16 01				
		CHA	P	21 15 09.5				
		PNS	iP	21 15 10.6	C			
			iPg	27.0				
			S	16 02				
FEB	17	USCGS	21 52 13.0, 0.3S, 20.3W, H = 33 Km, M = 4.7					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	eP	22 01 04		1.2	22	48.7
			eL	16				
		PNS	P	22 01 06.8	C	1.4	25	
			L	16.7				
FEB	17	USCGS	23 26 46.6, 15.9S, 71.2W, H = 89 km, M = 4.4					
		S PERU						
		PNS	iP	23 27 28.4				
			S	28 08.6				
		CHA	P	23 27 34.2				
		LPB	P	23 27 34.5		0.8	172	2.8
			eS	28 13				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	18	USCGS	00 31 48.0, 28.9N, 43.4W, H = 33 Km, M = 5.2					
		N ATLANTIC RIDGE						
		PNS	iP	00 40 49.2	D	2.0	215	
			I(PP)	56				
			S	47 51				
			eL	55.9				
		LPB	iP	00 40 49.8		2.0	162	45.5
			ePP	42 41.5				
			eL	56				
		TRJ	P	00 41 11.7				
FEB	18	LPB	eP	00 45 42				
		PNS	P	00 45 42.8				2.2
			e(S)	46 09				
FEB	18	PNS	P	00 50 36.3				
		LPB	eP	00 50 45				
FEB	18	PNS	iP	00 58 27.0	D	0.5	9	1.9
			iS	49.8				
FEB	18	PNS	eP	02 01 51				3.9
			eS	02 36.6				
FEB	18	LPB	eP	02 11 21				
		PNS	eP	02 11 22.5				
FEB	18	LPB	eP	02 15 51				
		PNS	P	02 15 52.6				
FEB	18	PNS	eP	02 17 13.2				
FEB	18	PNS	P	02 24 14.6				3.4
			eS	54.8				
		LPB	eP	02 24 27				
FEB	18	USCGS	02 39 19.4, 5.9S, 153.2E, H = 41 Km, M = 5.4					
		NEW IRELAND REG						
		PNS	PKP	02 58 17.4		0.9	5	
			pPKP	27.8				
			i	36.4				
			iPKS	03 02 04.8				
			L	42.1				
		TRJ	PKP	02 58 22.7				
		LPB	ePKP	02 58 28.5		1.1	25	133.2
			ipPKP	36.6				
			PKS	03 02 05.5				
			eL	03 42				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	18	LPB	eP	03 11 06				
		PNS	iP	03 12 12.0	C			1.8
			S	34.4				
FEB	18	PNS	eP	03 43 12.2				3.2
			eS	51				
		LPB	P	03 40 15.5		0.7	17	
FEB	18	LPB	eP	03 57 04.5				
FEB	18	LPB	eP	05 52 57.5				
FEB	18	LPB	P	06 01 44.5		0.6	6	10.8
			S	03 44.5				
		PNS	iP	06 01 48.6	C	0.6	6	10.9
			S	03 49.4				
		TRJ	P	06 00 46.8				
FEB	18	PNS	P	06 45 09.4		0.7	11	1.8
			iS	31.2				
		LPB	P	06 45 35.5		0.8	8	
FEB	18	USCGS	06 43 31.2, 6.4S, 130.1E, H = 159 Km, M = 5.0					
		BANDA SEA						
		LPB	PKP	07 03 04.5				150.8
			i	10.3				
			PKP2	18.4				
			ePKS	46.7				
			eL	54				
		TRJ	P	07 03 04.6				
		PNS	PKP	07 03 04.9		1.6	40	
			i	10.4				
			ipPKP	48.8				
			PP	06 47				
			eSS	25 12				
			eL	54.9				
FEB	18	USCGS	07 55 45.0, 51.0N, 157.5E, H = 30 Km, M = 4.4					
		NR E CST OF KAMCHATKA						
		LPB	eL	08 57				130.2
		PNS	eL	08 57.7				
FEB	18	USCGS	08 50 47.0, 35.4N, 140.2E, H = 66 Km,					
		NR E CST OF HONSHU, JAPAN						
		PNS	L	10 03.2				
		LPB	ePKP	09 10 26.5				148.8
			eL	10 01				
FEB	18	LPB	P	10 04 20.5		0.8	7	
		PNS	iP	10 04 21.6	C			

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	18	USCGS	09 51 06.0, 57.5N, 153.7W, H = 51 Km, M = 4.4					
		KODIAK IS REG						
		LPB	P	10 04 20.5		0.9	7	101.5
		PNS	P	10 04 50.6	C	1.0	16	
FEB	18	USCGS	10 10 54.8, 59.7N, 75.8W, H = 33 Km, M = 4.0					
		N QUEBEC						
		LPB	eP	10 22 34.5				76.0
			eL	47				
		PNS	eL	10 47.3				
FEB	18	USCGS	11 33 31.5, 32.4S, 71.4W, H = 74 Km, M = 4.3					
		NR CST OF CENTRAL CHILE						
		LPB	P	11 37 16		1.0	26	15.7
			i	26.2				
			eL	42				
		TRJ	eP	11 36 28.3				
		PNS	iP	11 37 17.4	C	1.3	56	
			eL	41.6				
FEB	18	USCGS	12 51 22.8, 19.2N, 67.9W, H = 22 Km, M = 4.2					
		MONA PASSAGE						
		PNS	eP	12 58 18.1		0.9	4	
		LPB	eP	12 58 21				35.5
			eL	13 08				
FEB	18	USCGS	14 22 12.0, 14.5S, 167.4E, H = 191 Km, M = 5.0					
		NEW HEBRIDES IS						
		LPB	ePKP	14 40 27				117.0
			eL	15 17				
		PNS	ePKP	14 40 32		1.0	7	
			eSS	57 50				
FEB	18	LPB	eP	16 38 12				
		PNS	P	16 38 31.2		0.6	5	3.3
			S	39 10				
FEB	18	PNS	P	17 54 25				4.7
			S	55 18.7				
FEB	18	PNS	P	18 03 38.6		1.0	12	
		LPB	P	18 03 44		0.8	14	
FEB	18	USCGS	18 48 55.4, 34.1N, 117.3W, H = 13 Km, M = 4.8					
		S CALIFORNIA						
		PNS	eP	18 59 58.3				68.6

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	18	PNS	P	19 01 54		0.8	6	5.1
			i	11.1				
			S	02 52.8				
		LPB	eP	19 02 00		0.9	12	
			e	16.6				
			e(S)	03 12.5				
FEB	18	TRJ	iP	20 22 36.9				
		LPB	iP	20 23 25.2		0.8	15	5.8
			S	24 31				
		PNS	iP	20 23 28.[illegible]		0.5	77	6.2
			iS	24 39.[illegible]				
FEB	18	LPB	eP	23 15 23				
FEB	19	PNS	P	03 36 00.1	C	0.7	3	
FEB	19	LPB	eP	06 20 23.5		1.0	10	
FEB	19	USCGS	06 32 52.0, 49.5N, 154.1E, H = 33 km, M = 4.6					
		KURILE IS						
		LPB	ePKP	06 51 43				132.4
			eL	07 35				
FEB	19	TRJ	P	08 41 13.8				
		PNS	P	08 41 38.3		0.4	3	
FEB	19	PNS	iP	09 01 03.4		6.7	16	
		LPB	eP	09 01 10.5		1.0	8	
FEB	19	LPB	eP	10 08 10				
FEB	19	USCGS	10 37 34.3, 0[illegible]5S, 131.5E, H = 39 km, M = 5.0					
		W NEW GUINEA REG						
		PNS	ePKP	10 57 24.6				
			ipPKP	35.3				
			PKS	11 00 52.1				
			L	50.5				
		LPB	ePKP	10 57 25				154.3
			eL	11 50				
		TRJ	ePKP	10 57 32.1				
FEB	19	USCGS	11 46 39.8, 16.2N, 98.5W, H = 25 Km, M = 4.8					
		NR CST OF GUERRERO MEXICO						
		PNS	iP	11 54 47.9	C	1.3	32	
			PP	59.6				
			S	12 01 25				
			L	12 08.7				
		LPB	eP	11 54 50				44.0
			eL	12 09				
		TRJ	eP	11 55 31.2				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	19	USCGS	12 11 04.0, 16.1N, 98.8W, H = 17 Km, M = 3.5 NR CST OF GUERRERO MEXICO					
		LPB	eP	12 19 05.5				44.0
			eL	32				
FEB	19	USCGS	12 23 10.0, 19.1N, 145.0E, H = 380 Km, M = 4.7 MARIANA IS					
		PNS	PKP	12 47 11.3		1.5	189	
			L	13 37.9				
		LPB	PKP	12 47 11.5		1.1	15	148.5
			iPKP2	16.5				
			eL	13 38				
FEB	19	LPB	P	13 06 47.2		0.6	8	
FEB	19	USCGS	14 21 53.0, 21.7S, 174.9W, H = 33 Km, M = 4.4 TONGA IS					
		LPB	eP	14 25 07.5				98.1
			eL	15 09				
		PNS	eL	15 08.5				
FEB	19	CCH	iP	15 19 26.7	D			
		LPB	eP	15 19 59				3.3
			S	20 38				
		PNS	P	15 20 06.2		0.3	7	3.4
			S	46.3				
FEB	19	USCGS	16 32 07.0, 38.3S, 73.5W, H = 33 Km, M = 4.5 NR CST OF CENTRAL CHILE					
		LPB	P	16 37 05		1.0	18	22.0
			eL	43				
		PNS	P	16 37 06.1		0.8	14	
			eS	41 10				
			eL	43				
FEB	19	USCGS	19 25 27.0, 18.9S, 174.0W, H = 33 Km, M = 4.5 TONGA IS					
		LPB	eP	19 39 01				99.0
			eL	20 13				
FEB	19	USCGS	19 40 11.0, 16.6N, 94.8W, H = 21 Km, M = 3.6 OAXACA, MEXICO					
		LPB	eP	19 47 56				42.1

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	19	PNS	iP	19 52 03.2	D	0.7	11	12
			PP	15.7				
			S	54 16.2				
			SSS	52.0				
			L	55.2				
		CCH	e(P)	19 52 08.6				
		LPB	eP	19 52 56.7				8
			PP	13.2				
			eS	54 26.5				
			eL	55				
FEB	19	USCGS	20 08 20.9, 42.0N, 83.5E, H = 33 Km, M = 5.1					
		N SINKIANG PROV, CHINA						
		LPB	ePKP	20 27 51				145.0
			eL	21 17				
		PNS	iPKP	20 21 56.0	C	1.1	22	
			eSS	50 10				
			L	21 17.4				
FEB	19	USCGS	20 23 20.0, 45.0N, 111.5W, H = 33 Km					
		HEBGEN LAKE REGION						
		LPB	eL	20 58				73.0
		PNS	eL	20 58.7				
FEB	19	USCGS	21 09 01.0, 24.7S, 63.5W, H = 566 Km, M = 4.0					
		SALTA PROVINCE, ARGENTINA						
		CCH	eP	21 10 56.0	D			
		LPB	P	21 11 12.5		1.2	31	9.0
			S	12 57.5				
		PNS	iP	21 11 16.3	D	0.8	18	
			iS	13 03.5				
FEB	19	USCGS	21 29 42.4, 52.4N, 169.5W, H = 48 Km, M = 4.6					
		FOX IS, ALEUTIAN IS						
		PNS	ePKP	21 48 15.8				
		LPB	eL	22 22				110.0
FEB	19	USCGS	22 14 35.3, 9.2S, 113.1E, H = 80 Km, M = 6.2					
		S OF JAVA						
		CCH	PKP	22 34 20.1				
		LPB	PKP	22 34 22		1.3	83	154.6
			i	34 24.3				
			i	38 53.8				
			PP	38 09				
			SS	50 07				
			G	23 20				
			L	28				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	PKP	22 34 22.4				
			ipPKP	34 33.6				
			iPKP2	34 46.2				
			iPP	38 19.0				
			PPP	41 57.9				
			SS	58 03				
			L	23 27.4				
FEB	19	PNS	eP	23 07 24.3		1.0	8	
		LPB	eP	23 07 25		1.1	15	
			e	07 36				
		CCH	eP	23 07 32.2				
FEB	19	LPB	iP	23 09 45.3	D	0.6	18	
		PNS	iP	23 09 49.1	D	0.7	72	5.9
			S	10 57				
FEB	19	USCGS	23 28 28.0, 0.0N, 124.2E, H = 101 Km, M = 5.7					
		MOLUCCA SEA						
		CCH	PKP	23 48 19.4				
		PNS	PKP	23 48 20.4	C	1.8	327	
			ipPKP	48 43.1				
			iPKP2	48 59.2				
			PKS	51 50.1				
			eSS	00 12 49				
			L	44.9				
		LPB	PKP	23 48 20.5		1.6	104	159.3
			ipPKP	48 39				
			iPKP2	48 58.5				
			PP	52 39				
			L	45.9				
FEB	20	USCGS	00 35 22.9, 41.1N, 140.6E, H = 161 Km, M = 4.5					
		HOKKAIDO, JAPAN REGION						
		PNS	ePKP	00 54 41.5				
			eL	01 44.5				
		LPB	ePKP	00 54 43.2				145.6
			eL	01 44				
FEB	20	LPB	eP	03 28 34				
FEB	20	PNS	P	04 29 11.7	C	0.8	5	7.0
			eS	30 31				
		LPB	P	04 29 15.2		1.2	12	
FEB	20	CCH	P	05 15 47.0	C			
		LPB	P	05 15 48.5	D	1.0	26	
		PNS	iP	05 15 50.3		0.7	20	5.4
			S	16 51.2				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	20	LPB	eP	05 21 12				
FEB	20	LPB	eP	05 58 53				
			e	59 04.4				
		PNS	P	05 58 59.4	C	0.8	7	
FEB	20	PNS	P	06 12 58.0		0.6	4	3.4
			S	13 38.5				
		LPB	eP	06 13 06				
FEB	20	USCGS	06 48 09.0, 15.1N, 91.9W, H = 140 Km, M = 3.9					
		PNS	eP	06 55 22				
		LPB	eL	07 07				39.5
FEB	20	PNS	eP	07 45 46				
FEB	20	USCGS	08 47 46.6, 2.7N, 128.0E, H = 83 Km, M = 5.2					
		HALMAHERA						
		LPB	PKP	09 07 39				158.8
			eL	10 03				
		PNS	ePKP	09 07 44.6				
			iPKP2	08 16.0				
			eL	10 02.3				
		CHA	eP	09 08 03				
FEB	20	[illegible]	eP	09 40 42				
		PNS	P	09 40 42				
FEB	20	USCGS	09 48 08.8, 9.3N, 125.6E, H = 44 Km, M = 4.6					
		MINDANAO, P. I.						
		LPB	ePKP	10 08 12.2				164.8
			eL	11 06				
		PNS	ePKP	10 08 14.6				
			eL	11 06				
FEB	20	PNS	P	10 04 20.5	D	0.5	2	1.9
			S	04 44				
FEB	20	USCGS	11 00 08.0, 3.3N, 77.5W, H = 79 Km, M = 4.5					
		NEAR W COAST OF COLOMBIA						
		LPB	eP	11 04 52		1.0	40	22.0
			ipP	05 12.5				
			ePP	05 19.8				
			eL	11				
		PNS	P	11 04 52.5				
			i	04 56.6				
			L	10.7				
			seS	16 06				
		CCH	P	11 05 13.5				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	20	LPB	P	11 08 33		1.2	16	
FEB	20	LPB	eP	11 25 43				
		PNS	P	11 25 49.0		0.9	5	
FEB	20	USCGS	12 14 33.7, 29.2N, 129.2E, H = 22 Km, M = 5.1					
		RYUKYU IS						
		CCH	ePKP	12 34 18.6				
		LPB	ePKP	12 34 34				159.5
			eL	13 30				
		PNS	PKP	12 34 34.8		1.1	10	
			PKP2	35 11.3				
			eSS	58 58				
			eL	13 30.3				
FEB	20	USCGS	14 23 48.2, 33.7N, 75.7E, H = 33 Km, M = 4.8					
		E KASHMIR						
		LPB	ePKP	14 43 19				142.8
			eL	15 31				
		PNS	ePKP	14 43 21.3				
			eL	15 31.8				
FEB	20	USCGS	15 18 39.9, 33.7N, 75.3E, H = 24 Km, M = 5.7					
		E KASHMIR						
		LPB	PKP	15 38 09		2.0	119	142.7
			e	38 14.5				
			eL	16 26				
		CCH	ePKP	15 38 10.3				
		PNS	PKP	15 38 10.8		0.6	3	
			e	38 15.1				
			iPKS	41 55.8				
			eL	16 26.4				
FEB	20	USCGS	16 33 49.2, 5.2S, 68.7E, H = 33 Km, M = 4.8					
		CHAGOS ARCHIPELAGO REG						
		PNS	ePKP	16 53 04.3				
			eL	17 36.6				
		LPB	ePKP	16 53 05				131.9
			eL	17 36				
FEB	20	LPB	eP	20 06 01				
		PNS	P	20 06 02.4		0.8	5	
FEB	20	LPB	eP	22 05 26				
		PNS	iP	22 05 26.8	D	0.5	15	2.0
			S	05 50.6				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	20	LPB	eP	22 44 08.5				
			i	34				
		PNS	P	22 44 10.7		0.5	3	
			i	32.0				
		CCH	e(P)	22 44 48.9				
FEB	20	LPB	eP	22 58 30				
		PNS	eP	22 58 37				9.6
			S	23 00 25.3				
FEB	20	USCGS	22 41 44.6, 11.8S, 166.3E, H = 22 km, M = 4.7					
		SANTA CRUZ IS						
		LPB	PKP	23 00 33				119.6
			eL	39				
		PNS	ePKP	23 00 33.4		0.6	4	
			eSS	18 04				
			L	38.7				
FEB	20	LPB	eP	23 38 50				
		PNS	P	23 38 51				
FEB	21	USCGS	00 24 55.0, 60.0N, 152.3W, H = 109 Km, M = 4.6					
		S ALASKA						
		LPB	eP	00 38 18.5				101.3
			eL	59				
		PNS	eL	00 59.4				
FEB	21	LPB	eP	01 27 44				
FEB	21	LPB	eP	02 53 43				
FEB	21	PNS	P	03 01 44.1		0.6	5	3.3
			S	02 23				
		LPB	P	03 01 52.7		0.9	15	3.8
			eS	02 36.5				
FEB	21	LPB	eP	03 24 58				
FEB	21	USCGS	04 16 21.1, 19.2N, 67.9W, H = 44 Km, M = 4.8					
		MONA PASSAGE						
		PNS	eP	04 23 12.8		0.8	6	
			eS	28 43				
			eL	33.3				
		LPB	P	04 23 14.7		1.0	14	35.5
			pP	22.7				
			eS	28 45.5				
			eL	34				
		CHA	eP	04 23 16.0				
		CCH	P	04 23 16.0				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	21	LPB	P	04 55 12.2		1.0	14	
		PNS	P	04 55 14.2		0.8	8	
FEB	21	PNS	iP	05 10 59.2	D	0.3	2	
			iS	11 02.8				
		LPB	P	05 11 06.2		0.7	6	
FEB	21	USCGS	06 29 40.0, 19.3N, 67.9W, H = 34 Km, M = 4.2					
		MONA PASSAGE						
		PNS	eP	06 36 35				
			eS	42 16				
		LPB	eP	06 36 36				35.5
FEB	21	CCH	eP	07 30 18.2				
		LPB	eP	07 30 21				
		PNS	P	07 30 22.8		0.6	7	
FEB	21	LPB	eP	08 14 37				
FEB	21	USCGS	09 11 55.2, 14.1N, 146.4E, H = 70 Km, M = 5.2					
		MARIANA IS						
		PNS	iPKP	09 31 31.4	D	1.2	53	
			iPKP	41.5				
			eL	10 21.5				
		LPB	PKP	09 31 31.6		1.4	67	146.7
			eL	10 20				
		CCH	PKP	09 31 36.0				
FEB	21	PNS	P	12 42 56.8		0.7	5	5.2
			i	43 00.3				
			eS	57				
		CCH	e(P)	12 42 06.0				
		CHA	P	12 42 58				
			i	43 06.5				
		LPB	eP	12 42 59				5.2
			i	43 04.4				
			eS	59				
FEB	21	USCGS	12 37 44.5, 33.6N, 75.3E, H = 31 Km, M = 5.1					
		E KASHMIR						
		LPB	ePKP	12 57 17				142.7
			eL	13 45				
		PNS	ePKP	12 57 17.3				
			eL	13 45.6				
FEB	21	LPB	P	13 51 14.5		0.7	11	
		PNS	eP	13 50 42		0.4	3	
			e	51 18.8				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	21	USCGS	14 04 34.9, 5.1S, 151.6E, H = 99 Km, M = 5.2					
		NEW BRITAIN REG						
		LPB	ePKP	14 23 40				134.9
			eL	15 08				
		PNS	PKP	14 23 46.3		0.9	4	
FEB	21	LPB	eP	14 57 05				
		PNS	P	14 57 43.3		0.7	5	
			e	58 36.3				
FEB	21	USCGS	17 20 58.0, 56.6S, 26.0W, H = 33 Km, M = 4.7					
		S ANDWICH IS REG						
		LPB	eP	17 29 59.5		1.0	20	52
			ipP	30 07.5				
			eL	46				
		PNS	iP	17 30 02		1.0	8	
FEB	21	USCGS	18 42 07.2, 1.5N, 127.2E, H = 129 Km, M = 5.2					
		HALMAHERA						
		PNS	PKP	19 01 54.6		1.3	12	
			iPKP2	30.8				
			eL	58				
		LPB	ePKP	19 01 55				158.6
			iPKP2	02 31				
			eL	58				
FEB	21	USCGS	19 37 20.5, 11.3S, 167.0E, H = 43 Km, M = 4.6					
		SANTA CRUZ IS						
		LPB	ePKP	19 56 06				118.8
			eL	20 34				
		PNS	PKP	19 56 07.4		1.0	11	
			eL	20 34.3				
FEB	21	LPB	e(P)	23 26 30				
			eL	35				
		PNS	L	31.7				
FEB	22	LPB	eP	01 54 46				
FEB	22	LPB	eP	02 18 50		0.8	6	
		PNS	P	02 18 58	D	0.8	6	
FEB	22	LPB	iP	02 57 21		0.7	21	7.4
			i	23.6				
			S	58 45				
		CHA	P	02 57 22.6				
		PNS	iP	02 57 24.6	C	0.6	15	7.6
			S	58 51.3				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	22	USCGS	03 51 15.0, 36.7S, 97.3W, H = 33 Km, M = 4.7					
		W CHILE RISE						
		LPB	iP	03 57 47.5		1.5	181	32.5
			i	58 15				
			L	04 06.7				
		PNS	iP	03 57 47.4	C	1.3	252	
			PP	58 57.5				
			L	07				
FEB	22	LPB	eP	04 01 48.5				
		PNS	P	04 01 52.1		0.5	3	
FEB	22	LPB	eP	05 38 19		0.9	5	
FEB	22	LPB	eP	07 48 39				
		PNS	eP	07 49 14				
FEB	22	USCGS	08 47 01.4, 35.1N, 140.2E, H = 30 Km, M = 4.8					
		NR E CST OF HONSHU, JAPAN						
		PNS	PKP	09 06 45		0.9	3	
			eL	57.3				
		LPB	ePKP	09 06 46.2				148.5
			i	49.5				
			eL	57				
FEB	22	PNS	P	09 42 26.5		1.1	32	
		LPB	P	09 42 31		1.0	36	
			(S)	43 30.8				
FEB	22	PNS	P	12 05 11.3		0.9	7	
		LPB	eP	12 05 12				
FEB	22	PNS	P	12 20 33.4		0.7	3	
		LPB	eP	12 20 34				
FEB	22	LPB	P	12 22 06.5		0.9	46	3.6
			S	50				
		CHA	P	12 22 08.0				
		PNS	P	12 22 09.3		1.0	17	
FEB	22	USCGS	13 54 34.7, 11.8S, 166.4E, H = 84 Km, M = 4.8					
		SANTA CRUZ IS						
		LPB	ePKP	14 13 16.5				119.4
			eL	51				
		PNS	L	14 50.9				
FEB	22	LPB	eP	14 51 51.5				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	22	USCGS	14 50 33.1, 48.3N, 154.7E, H = 45 Km, M = 4.7					
		KURILE IS						
		LPB	ePKP	15 09 47.5				133.1
			eL	53				
FEB	22	LPB	P	17 05 26.5		0.9	20	
		PNS	P	17 05 29.0		0.5	3	
FEB	22	LPB	eP	17 25 12				
		PNS	P	17 25 13.3		0.8	4	
FEB	22	LPB	eP	18 10 09				
		PNS	iP	18 10 31.3	D	0.5	5	2.0
			S	55.4				
FEB	22	USCGS	18 26 46.7, 19.5S, 169.0E, H = 87 Km, M = 5.6					
		NEW HEBRIDES IS						
		LPB	ePKP	18 45 05				113.2
			eL	19 20.3				
		PNS	PKP	18 45 17				
			PP	46 13.7				
			PS	55 36				
			SS	19 01 50				
			L	20.2				
FEB	22	PNS	P	18 55 10.6		0.9	15	
FEB	22	LPB	eP	18 56 09.5				
		PNS	P	18 56 10.2		1.6	51	
FEB	22	PNS	P	20 10 19.4	D	0.4	14	1.7
			eS	40				
FEB	22	USCGS	20 27 41.0, 3.2N, 74.8W, H = 80 Km, M = 4.6					
		COLOMBIA						
		PNS	eP	20 32 14.4				
			(PP)	37.2				
			L	37.7				
		LPB	eP	20 32 16.5				21.1
			eL	38				
FEB	22	PNS	eP	22 06 11				8.5
			i	31.2				
			S	07 46.8				
		LPB	eP	22 06 12				
FEB	22	USCGS	23 27 58.0, 58.1S, 25.7W, H = 33 Km, M = 5.0					
		S SANDWICH IS REG						
		LPB	P	23 37 06.2		0.8	2	52.0

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	22	LPB	(PP)	12.5				
			eL	53				
		PNS	iP	23 37 09.3	C	0.9	18	
			i	38 20.0				
			L	53.9				
		CHA	P	23 37 07.4				
FEB	23	PNS	iP	00 46 18.7	D	0.6	13	
			S	44.4				
		LPB	P	00 46 18.8		0.9	24	2.3
			S	47				
FEB	23	USCGS	00 46 53.0, 16.5N, 94.8W, H = 7 Km, M = 3.7					
		OAXACA, MEXICO						
		LPB	eL	01 06				41.9
		PNS	el	01 06.5				
FEB	23	USCGS	03 38 38.0, 39.0N, 29.3W, H = 33 Km, M =4.4					
		AZORES IS						
		LPB	eP	03 49 16				66.4
		PNS	P	03 49 24.8	C	1.1	7	
FEB	23	USCGS	04 53 24.4, 5.0S, 152.3E, H = 63 Km, M = 4.7					
		NEW BRITAIN REG						
		PNS	ePKP	05 12 37		1.5	26	
		LPB	PKP	05 12 43				134.5
			eL	56				
FEB	23	USCGS	05 10 54.0, 5.6N, 73.4W, H = 169 Km, M = 4.0					
		COLOMBIA						
		PNS	iP	05 15 39.8	D	1.3	57	
			ipP	16 01.9				
			L	21.7				
		LPB	iP	05 15 43.2	C	1.1	112	22.7
			eL	22				
FEB	23	USCGS	05 58 29.0, 21.6S, 174.4W, H = 21 Km, M = 4.8					
		TONGA IS						
		LPB	eP	06 12 12				99.0
			eL	47				
		PNS	L	46.5				
FEB	23	USCGS	06 17 47.0, 22.9S, 176.2W, H = 75 Km, M = 4.8					
		S OF FIJI IS						
		LPB	eP	06 31 21.2				99.1
			eL	07 05				
		PNS	eL	07 05.3				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	23	LPB	P	06 49 04		0.9	3	
		PNS	P	06 49 08.6				
FEB	23	PNS	P	07 53 42.5				
		LPB	eP	07 53 46				
FEB	23	PNS	iP	11 24 11.4	D	0.4	5	
			iS	37.9				
		LPB	eP	11 23 14				
FEB	23	PNS	P	12 05 05.9		1.4	14	
FEB	23	LPB	eP	12 07 51		0.9	24	8.0
			S	09 21				
		PNS	P	12 07 54.2	C	0.6	16	7.8
			S	09 22				
FEB	23	PNS	iP	12 43 31.9	D	0.5	14	2.1
			iS	56.9				
		LPB	eP	12 43 35				
FEB	23	LPB	eP	14 10 54				
			eL	27				
		PNS	eP	14 10 59.4		0.6	3	
			L	27.9				
FEB	23	LPB	eP	14 25 31		1.0	30	
		PNS	L	14 27.9				
FEB	23	USCGS	14 25 43.9, 24.2N, 122.5E, H = 48 Km, M = 5.4					
		TAIWAN REG						
		PNS	PKP	14 45 49.2		1.5	85	
			iPKP2	46 50.8				
			PPS	15 04 30				
			L	15 44.3				
		LPB	PKP	14 45 49.5		1.1	37	167.1
			pPKP	46 03.2				
			PKP2	52				
			eL	15 45				
FEB	23	USCGS	14 51 55.0, 41.4S, 88.6W, H = 33 Km, M = 4.9					
		W CHILE RISE						
		PNS	P	14 58 07.3		0.9	14	
			L	15 06.7				
		LPB	eP	14 57 58				35.6
			L	15 06.4				
FEB	23	PNS	P	18 51 09.1		0.6	4	
			e(S)	52 26.7				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	23	PNS	iP	19 01 11.4	C	1.0	27	
		CHA	P	19 01 13.1				
		LPB	iP	19 01 14.3	D	0.7	10	
FEB	23	LPB	eP	19 40 41				
FEB	23	PNS	P	20 27 26.6		0.6	5	
		LPB	eP	20 27 28				
FEB	23	USCGS	20 38 56.3, 26.1N, 128.5E, H = 30 Km, M = 5.4					
		RYUKYU IS						
		LPB	ePKP	20 58 58.0				161.3
			PKP2	59 43				
			eL	21 56				
		PNS	PKP	20 58 59.8		1.8	42	
			eL	21 55.2				
FEB	23	LPB	eP	22 52 15				
			e	33.5				
			eL	21				
		PNS	P	22 52 34.6		0.8	5	
			pP	44.3				
			L	23 20.9				
FEB	23	PNS	P	22 57 06		0.9	7	
		LPB	eP	22 57 -7				
FEB	23	PNS	P	23 03 47.7		0.7	4	
			i	04 13.7				
		LPB	P	23 03 50		0.7	13	
			e	04 22.5				
FEB	24	LPB	e(P)	00 33 40				
			e	34 12				
		PNS	eP	00 33 45				
FEB	24	USCGS	00 23 53.0, 51.8N, 176.7W, H = 114 Km, M = 4.2					
		ANDREANOF IS						
		LPB	ePKP	00 42 12				114.3
			eL	01 18				
FEB	24	PNS	P	01 00 41.5		0.9	7	
		LPB	eP	01 00 43				
FEB	24	LPB	eP	04 20 19		1.0	10	
		PNS	eP	04 20 19.2				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	24	USCGS	05 14 08.0, 23.8S, 175.5W, H = 33 Km, M = 4.7					
		TONGA IS REG						
		LPB	P	05 07 24.5				98
			eL	06 00				
FEB	24	LPB	eP	05 41 04				
		PNS	P	05 41 13.0	C	0.9	7	7.8
			eS	05 42 40.8				
FEB	24	CCH	eP	06 43 16.6	C			
		PNS	iP	06 43 58.7	D	0.9	200	1.8
			S	44 21				
		CHA	iP	06 43 59.8	D			
		LPB	P	06 43 59	D	1.0	38	2.0
			i	44 03.5				
			eS	23				
FEB	24	LPB	eP	07 10 15				
		PNS	P	07 10 19.5		0.8	3	
FEB	24	USCGS	07 08 32.0, 23.9S, 175.4W, H = 33 Km, M = 4.9					
		TONGA IS REG						
		PNS	ePKP	07 22 05				98.1
FEB	24	USCGS	07 31 50.0, 2.6N, 76.3W, H = 97 Km, M = 4.2					
		COLOMBIA						
		PNS	eP	07 36 19.5				
			eL	41.9				
		LPB	P	07 36 21		0.8	9	20.7
			PP	40				
			eL	41				
FEB	24	LPB	eP	10 12 55				
		PNS	P	10 12 56.3		0.8	5	
			(S)	13 59				
FEB	24	LPB	eP	10 30 16				
		PNS	iP	10 30 54.2	C	0.9	7	
FEB	24	USCGS	10 42 42.4, 7.2S, 123.8E, H = 575 Km, M = 5.0					
		BANDA SEA						
		PNS	ePKP	11 01 30				
			PKP2	40.9				
		LPB	ePKP	11 01 31.5				153.5
			eL	54				
FEB	24	PNS	P	11 04 01.3		1.4	53	
		LPB	eP	11 04 01.4		1.3	38	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	24	PNS	iP	14 32 23.4	C	0.5	7	
		LPB	eP	14 32 24				
FEB	24	PNS	eP	14 40 16.2				2.0
			S	40.4				
FEB	24	PNS	iP	15 50 15.2	D	0.5	20	1.0
			S	28.3				
FEB	24	PNS	P	16 37 40.4		0.6	3	3.7
			i	47.5				
			eS	38 23.5				
FEB	24	LPB	P	17 43 08.4		0.9	23	2.5
			S	38				
		PNS	iP	17 43 09.6	D	0.5	48	2.5
			iS	39.8				
FEB	24	LPB	P	20 32 20				
			e	39.5				
		PNS	P	20 32 39.2		1.2	25	
FEB	24	USCGS PORTUGAL	22 13 51.0, 39.3N, 8.6W, H = 33 Km, M = 4.0					
		LPB	eL	22 51				78.7
FEB	24	LPB	eP	22 32 20				
			(S)	40				
		PNS	eP	22 32 20.9				
FEB	24	PNS	iP	22 55 56.4	D	0.5	34	2.0
			S	56 20				
		LPB	P	22 55 57.3		0.8	9	
FEB	25	USCGS E SEA OF JAPAN	00 18 36.0, 43.9N, 139.1E, H = 209 Km, M = 4.6					
		PNS	PKP	00 37 47.7				
		LPB	ePKP	00 37 48				144.2
			eL	01 26				
FEB	25	LPB	eP	01 17 16				
FEB	25	LPB	eP	01 31 17		0.9	7	
FEB	25	LPB	P	04 02 11		1.1	17	
		PNS	e(P)	04 02 12				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	25	LPB	eP	05 10 58				
		PNS	iP	05 11 02.7	D	0.5	6	
FEB	25	USCGS	05 41 18.0, 10.3S, 161.3E, H = 101 Km, M = 4.9					
		SOLOMON IS						
		LPB	ePKP	06 00 03.5				124.0
FEB	25	USCGS	06 04 55.0, 44.8N, 28.4W, H = 33 Km, M = 4.1					
		N ATLANTIC RIDGE						
		PNS	eL	06 38.1				
FEB	25	PNS	eP	06 21 38.3		1.0	10	
		LPB	eP	06 21 39		0.8	6	
FEB	25	LPB	P	06 24 50.5		0.9	3	
FEB	25	PNS	iP	07 24 14.2	C	0.7	20	1.8
			S	36				
		LPB	eP	07 24 14.5				2.1
			S	40				
FEB	25	LPB	eP	08 32 32.5				
		PNS	eP	08 32 33.6				
FEB	25	PNS	P	09 10 50.3		0.7	4	
		LPB	P	09 10 51.5		1.0	8	
FEB	25	PNS	iP	10 11 03.8	C			2.6
			iS	34.5				
		LPB	P	10 11 07.7		0.9	10	2.7
			eS	40				
FEB	25	PNS	P	10 16 18.6		0.7	2	
		LPB	P	10 16 20.6		0.9	18	
FEB	25	CCH	iP	10 38 48.1	C			
		LPB	P	10 39 12.4		0.9	7	4.2
			e	34.4				
			S	40 01.3				
		PNS	eP	10 39 16.4		0.8	9	
FEB	25	USCGS	11 17 41.0, 29.2S, 68.7W, H = 110 Km, M = 4.1					
		SAN JUAN PROV, ARGENTINA						
		LPB	eP	11 20 30				12.6
		PNS	P	11 20 31.4		1.2	16	
			eSS	22 43				
			L	23.9				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	25	PNS	P	11 36 41.0		0.9	4	
		LPB	eP	11 36 41.5				
FEB	25	USCGS	11 20 47.4, 0.0N, 123.9E, H = 70 Km, M = 5.8					
		E CELBES						
		LPB	iPKP	11 40 43.5		1.2	62	159.2
			e	50.2				
			iPKP2	41 22.5				
			ePKS	44 18.5				
			ePP	45 05				
			eSKS	47 15				
			eL	12 37				
		PNS	iPKP	11 40 43.8	C	1.8	77	
			iPKP2	41 22.4				
			PKS	44 17.9				
			iPP	45 00.0				
			SKS	47 13				
			eL	12 36.5				
FEB	25	USCGS	11 38 46.0, 0.1S, 123.9E, H = 105 Km, M = 5.7					
		N CELEBES						
		PNS	PKP	11 58 38.7		1.6	117	
			iPKP2	59 15.6				
			PKS	12 02 10				
			PP	50				
			eSS	23 17				
			eL	53.9				
		LPB	PKP	11 58 39		1.2	46	158.2
			iPKP2	59 14				
			PKS	12 02 06.5				
			PP	03 19.7				
			eSS	23 18				
			eL	55.2				
FEB	25	USCGS	12 30 24.0, 6.9N, 73.1W, H = 161 Km, M = 4.3					
		N COLOMBIA						
		PNS	iP	12 35 19.8	C	1.0	16	
			PP	51.2				
			eS	39 22.6				
		LPB	P	12 35 23.5		1.1	22	23.5
FEB	25	USCGS	15 08 59.0, 5.9N, 125.3E, H = 93 Km, M = 4.6					
		MINDANAO, PHILIPPINE IS						
		LPB	ePKP	15 28 31.5				136.0
			eL	54				
FEB	25	USCGS	15 46 52.0, 19.6S, 176.0W, H = 358 Km, M = 4.5					
		TONGA IS						
		LPB	eL	17 34				100.3
		PNS	eL	17 34.2				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	25	USCGS	15 52 08.0, 40.4N, 123.2W, H = 23 Km, M = 4.3					
		N CALIFORNIA						
		LPB	eP	16 03 55				76.3
FEB	25	PNS	P	16 31 47.3		0.7	10	3.0
			eS	32 21.8				
		LPB	eP	16 31 56.5				
FEB	25	PNS	P	17 11 02.7		1.0	6	
			i	12.6				
		LPB	eP	17 11 04				
FEB	25	LPB	eP	17 15 51.5				
		PNS	eP	17 15 52.3				
			e(S)	17 02.4				
FEB	25	LPB	P	20 48 29.2		1.0	16	
			(S)	49 11				
		PNS	P	20 48 31.0		1.0	9	3.2
			S	49 09.3				
		CHA	eP	20 48 30.7				
FEB	25	PNS	P	20 52 28.9				
		LPB	eP	20 52 31		1.0	16	
FEB	25	LPB	P	21 40 11.7		0.9	17	
		PNS	P	21 40 13.9		1.0	14	2.8
			eS	46.7				
FEB	25	USCGS	21 36 00.3, 5.9N, 94.0E, H = 40 Km, M = 4.4					
		N SUMATRA						
		PNS	eL	22 51.2				159.3
FEB	25	PNS	P	23 59 20.3		0.5	2	
			i	22.9				
FEB	26	LPB	P	02 47 09.7		0.9	87	4.2
			i	11.6				
			S	58.5				
		CHA	eP	02 47 11.5				
		CCH	iP	02 46 46.8	C			
		PNS	iP	02 47 15.3	C	0.8	9	
			S	48 02				
FEB	26	USCGS	02 56 27.0, 6.2S, 104.7E, H = 33 Km, M = 5.3					
		SUNDA STRAIT						
		PNS	ePKP	03 16 19				
			eL	04 09				
		LPB	ePKP	03 16 20.6				156.2

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	26	LPB	eP	03 25 20				
FEB	26	LPB	P	03 59 51				
		PNS	iP	03 59 51.4	D	0.7	10	3.5
FEB	26	USCGS	03 57 57.7, 49.8N, 78.1E,					
		IS BALCACH						
		PNS	ePKP	04 17 21.4		0.9	4	
			i	25.0				
		LPB	ePKP	04 17 22		1.0	6	137
			i	25.5				
		CCH	PKP	04 17 24.9	C			
FEB	26	CCH	P	04 51 34.8				
		LPB	P	04 51 41.5		0.7	11	
		PNS	iP	04 51 43.3	C	0.5	15	
FEB	26	LPB	P	05 03 07.7		0.6	11	
		PNS	iP	05 03 10.2	D	0.8	8	
FEB	26	CCH	iP	06 28 41.8	C			
		LPB	iP	06 29 06.0	C	0.9	120	4.7
			i	27.5				
			S	30 00				
		CHA	P	06 29 06.2				
		PNS	iP	06 29 11.4	C			5.0
			S	30 08.8				
FEB	26	CHA	eP	06 30 47.4				
		LPB	P	06 30 50		0.9	94	4.3
			S	31 40				
		PNS	iP	06 30 52.7	D	0.8	18	5.3
			S	31 53.7				
FEB	26	USCGS	06 35 51.0, 7.8S, 127.6E, H = 155 Km, M = 4.7					
		BANDA SEA						
		LPB	PKP	06 55 30.1		1.2	19	151.1
		PNS	iPKP	06 55 30.6	C	0.9	39	
			eL	07 47.3				
FEB	26	USCGS	06 38 45.0, 26.6N, 128.5E, H = 33 Km, M = 4.8					
		RYUKYU IS						
		LPB	ePKP	06 58 45.5				160.9
FEB	26	LPB	eP	07 54 39				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	26	LPB	P	08 23 21.4		0.9	12	
		PNS	iP	08 23 25.1		0.5	3	
FEB	26	CCH	P	08 59 27.0				
		LPB	P	08 59 51.5		0.9	17	4.3
			S	09 00 42				
		PNS	iP	08 59 54.4	C	0.5	2	
			e(S)	09 00 56				
FEB	26	USCGS	10 29 14.2, 6.2S, 149.1E, H = 54 Km, M = 5.1					
		NEW BRITAIN REG						
		PNS	PKP	10 48 34		1.0	11	
			i	59.1				
			L	11 34.8				
		LPB	P	10 48 34.5		1.0	12	136.8
FEB	26	LPB	P	10 52 06				
		PNS	P	10 52 06.8		1.0	10	
FEB	26	USCGS	11 57 54.8, 24.3S, 179.8E, H = 535 Km, M = 4.4					
		S OF FIJI IS						
		LPB	eP	12 10 45.5				102.2
		PNS	eL	12 46.5				
FEB	26	USCGS	13 33 43.0, 11.6S, 166.2E, H = 44 Km, M = 4.6					
		SANTA CRUZ IS						
		PNS	ePKP	13 52 34.9				119.7
FEB	26	USCGS	17 19 15.9, 6.6S, 154.9E, H = 78 Km, M = 4.8					
		SOLOMON IS						
		PNS	eL	18 21.3				131.6
FEB	26	LPB	P	20 02 14		0.8	9	
			i	28.2				
		PNS	P	20 02 22				2.0
			S	46.4				
FEB	26	LPB	eP	20 49 42.5		0.7	10	
FEB	26	PNS	P	23 01 02.5				1.8
			S	24.6				
		LPB	e(P)	23 01 07				
FEB	26	CCH	P	23 13 04.4				
		LPB	P	23 13 28.6		0.9	19	
		PNS	P	23 13 33.9				0.7
			S	44				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	27	LPB	eP	01 28 27		0.8	7	
FEB	27	LPB	eP	02 00 16				
		PNS	P	02 00 16.2				
FEB	27	USCGS	03 06 42.5, 2.9N, 74.8W, H = 69 Km, M = 5.2					
		COLOMBIA						
		PNS	iP	02 11 11.8	D	1.0	19	
			i	26.3				
			S	14 54.6				
			L	16.5				
		LPB	iP	02 11 15.5	D	0.9	34	20.2
			i	24				
			S	15 02.5				
			eL	16.7				
		CCH	iP	02 11 33.4				
		TRJ	iP	02 12 11.9	D			
FEB	27	USCGS	02 29 35.0, 38.3S, 74.7W, H = 33 Km, M = 4.9					
		OFF CST OF CENTRAL CHILE						
		LPB	P	02 34 37.4		0.8	9	22.5
			i	48.6				
			pP	55.6				
		PNS	P	02 34 39.2		1.2	36	
			S	38 35				
			eL	40.8				
		TRJ	P	02 33 55.5				
FEB	27	LPB	P	03 05 28.8		0.7	7	
FEB	27	LPB	P	03 25 43		1.0	10	
FEB	27	TRJ	P	03 37 16.7				
		LPB	P	03 37 55		0.8	4	
		PNS	P	03 37 57.4		0.8	7	
FEB	27	PNS	iP	04 22 41.8	D	0.5	33	
		LPB	P	04 22 42.2		0.7	3	2.3
			S	23 09.7				
FEB	27	PNS	eP	05 42 22.8				
		LPB	P	05 42 23.4		1.0	12	
FEB	27	LPB	eP	06 41 50				
		CCH	P	06 41 53.9				
		TRJ	P	06 41 56.3				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	27	USCGS	06 42 33.0, 24.1S, 67.4W, H = 199 Km, M = 4.1					
		CHILE ARGENTINA BOR REG						
		CCH	P	06 44 11.3	C			
		TRJ	iP	06 43 26.2	D			
		LPB	eP	06 44 22.4				8.0
			S	45 46.5				
		PNS	P	06 44 26.2		0.7	10	
			S	45 53.0				
FEB	27	USCGS	06 50 52.0, 6.7N, 73.1W, H = 182 Km, M = 4.1					
		N COLOMBIA						
		LPB	eP	06 55 46				23.4
			eL	07 02				
		PNS	P	06 55 46.4		0.6	9	
			eL	07 01.9				
FEB	27	LPB	eP	07 20 35				
		PNS	eP	07 20 36.7		1.2	20	
FEB	27	LPB	eP	07 27 27.5				
FEB	27	TRJ	P	08 29 26.9				
FEB	27	LPB	P	08 51 44.2		0.8	9	
FEB	27	LPB	eP	10 37 51				
		PNS	eP	10 37 52				
FEB	27	LPB	P	11 09 56.7		0.8	6	
FEB	27	LPB	eP	11 45 36				
		PNS	P	11 45 50.4				
FEB	27	PNS	P	12 52 19.2				
		LPB	eP	12 52 28				
FEB	27	PNS	eP	15 22 49				
		LPB	eP	15 22 51				
FEB	27	LPB	P	18 13 20		0.9	12	
FEB	27	PNS	P	18 20 48.6				2.3
			S	21 16				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	27	PNS	iP	18 21 26.6	D			
FEB	27	PNS	P	19 43 22		0.6	4	
FEB	27	PNS	eP	20 37 27.8				3.8
			eS	38 11.5				
FEB	27	LPB	P	20 50 11.5				
		PNS	P	20 50 12.8		1.1	9	
FEB	27	PNS	P	21 08 01.4		0.6	2	
FEB	28	PNS	P	05 23 26.7				8.1
			S	24 59				
FEB	28	USCGS	05 12 36.0, 57.3N, 152.6W, H = 29 Km, M = 4.0					
		KODIAK IS REG						
		PNS	eL	06 00.7				100.7
FEB	28	PNS	P	07 14 04.8				3.6
			eS	46				
FEB	28	PNS	eP	08 36 47				3.7
			eS	37 30.5				
FEB	28	LPB	eP	08 48 53				
		PNS	eP	08 48 55				
FEB	28	PNS	iP	09 45 16.1	D	0.6	8	1.8
			iS	38.4				
FEB	28	USCGS	09 37 18.0, 32.7N, 141.7E, H = 23 Km, M = 5.5					
		S OF HONSHU, JAPAN						
		PNS	PKP	09 57 02		1.9	26	
			i	27.0				
			PKS	10 00 34				
			iSS	19 45				
			SSS	25 24				
			eG	38.2				
			L	47.8				
		LPB	PKP	09 57 04.5				148.5
			i	07.5				
			PKP2	11.5				
			L	10 48.7				
		CCH	PKP	09 57 12.3				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	28	USCGS	11 54 32.0, 5.2S, 129.7E, H = 229 Km, M = 5.2					
		BANDA SEA						
		LPB	PKP	12 14 04.5				151.4
			eL	13 05				
		PNS	PKP	12 14 04.5		1.0	14	
			i	15 01.7				
			SS	36 45				
			L	13 04.9				
FEB	28	USCGS	12 27 34.0, 21.2S, 179.1W, H = 591 Km, M = 4.8					
		FIJI IS REG						
		LPB	eL	13 15				102.6
		PNS	eL	13 15.2				
FEB	28	USCGS	14 21 54.0, 37.5N, 21.3E, H = 77 Km, M = 4.6					
		S GREECE						
		LPB	eP	14 35 33				99.4
FEB	28	USCGS	15 15 56.0, 53.1N, 159.9E, H = 33 Km, M = 4.6					
		NR E CST OF KAMCHATKA						
		PNS	ePKP	15 35 00				128
FEB	28	LPB	e(P)	15 59 34				
		PNS	iP	15 59 39.8	D			1.8
			S	16 00 02				
FEB	28	PNS	P	17 56 05.3				
			L	18 00.9				
		LPB	(P)	17 56 17.3				
			L	18 01 22				
FEB	28	LPB	P	20 19 28		1.0	18	
FEB	28	PNS	iP	20 29 05.4	D	0.6	8	1.8
			iS	27				
		LPB	eP	20 29 10.5				
FEB	28	LPB	eP	20 33 32				
			e	49.6				
FEB	28	USCGS	20 47 56.0, 55.2S, 129.8W, H = 33 Km, M = 4.6					
		S PACIFIC CORDILLERA						
		LPB	P	20 58 04.5		1.4	68	60.9
			eS	21 06 33				
			eL	16.9				
		PNS	iP	20 58 05.4	C	1.6	120	
			S	21 06 29				
			L	16.8				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
FEB	28	PNS	P	20 59 14.0		0.4	2	3.6
			S	55.7				
FEB	28	TRJ	P	22 03 56.2				
FEB	28	LPB	ePg	22 08 36				
		PNS	iP	22 08 40.4	D	0.4	11	1.9
			S	09 03.2				
FEB	28	LPB	ePg	22 14 07		1.0	14	
FEB	28	CCH	P	22 59 35.2				
FEB	28	LPB	P	23 31 42		0.8	13	
		PNS	P	23 31 45.5		0.7	8	
FEB	28	PNS	ePg	23 39 08.2				
		LPB	ePg	23 39 10				
FEB	28	PNS	P	23 44 01.1				
			L	00 22.1				
		LPB	ePg	23 44 04				
			eL	24 21				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	1	LPB	eP	00 13 16				
		PNS	P	00 13 32.1		1.4	25	
MAR	1	LPB	eP	00 49 16				
MAR	1	USCGS	01 20 04.2, 25.3N, 109.7W, H = 33 Km, M = 4.7					
		GULF OF CALIFORNIA						
		LPB	P	01 29 50.7				57.9
			eL	48				
		PNS	eP	01 29 53.7				
			eS	37 50				
			eL	48.4				
MAR	1	LPB	eP	01 34 44		0.9	10	
MAR	1	LPB	eP	02 28 07		0.7	7	
MAR	1	LPB	P	05 12 08.5		0.7	8	
MAR	1	PNS	iP	05 41 45.0	D	0.5	6	1.8
			S	42 07.3				
MAR	1	USCGS	06 10 18.7, 34.2N, 116.8W, H = 16 Km, M = 4.8					
		S CALIFORNIA						
		PNS	eL	06 43				68.5
MAR	1	LPB	P	06 30 09.7		0.8	9	
		PNS	iP	06 30 13.7	C	0.5	10	
MAR	1	LPB	eP	06 44 51				
		PNS	eP	06 44 53				
			i	45 22.9				
MAR	1	PNS	P	07 27 32.3	C	1.0	6	
			e	42.5				
MAR	1	LPB	eP	07 34 25		0.7	4	
		PNS	P	07 34 31.2				
MAR	1	LPB	P	07 52 40		0.3	2	
MAR	1	LPB	P	09 31 28.2		0.9	10	
		PNS	P	09 31 37.0				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	1	USCGS S IRAN	10 12 49.4, 28.3N, 57.1E, H = 39 Km, M = 4.9					
		PNS	PKP	10 31 55				
			eL	11 13.8				
		LPB	ePKP	10 31 59.5				128.7
MAR	1	LPB	eP	12 33 20				
		PNS	P	12 33 34.5				
MAR	1	PNS	P	13 33 57.3		0.6	11	1.9
			S	34 20.6				
MAR	1	USCGS MOLUCCA PASSAGE	14 24 26.5, 1.5N, 126.4E, H = 49 Km, M = 5.3					
		LPB	ePKP	14 43.53		0.8	9	140.9
			e	44 24				
			eL	15 40				
		PNS	PKP	14 44 24.3		1.7	79	
			SS	15 08 43				
			eL	39.5				
MAR	1	CHA	P	16 24 29.4				
		PNS	iP	16 24 30.0	D	0.5	4	1.8
			S	52.4				
MAR	1	LPB	eP	16 35 28				
		PNS	P	16 35 28.7		0.6	6	3.1
			S	36 05.2				
MAR	1	PNS	iP	16 36 39.5	D	0.7	73	1.8
			iS	37 02				
		LPB	P	16 36 41		0.7	7	
		CHA	iP	16 36 41.4	D			
MAR	1	PNS	P	18 38 19.2		0.5	8	2.8
			S	51.9				
MAR	1	PNS	eP	18 56 43				
MAR	1	USCGS HONSHU, JAPAN	18 39 59.0, 36.8N, 137.9E, H = 33 Km, M = 4.6					
		PNS	PKP	18 59 46.0	C	2.0	83	
			eL	19 50.9				
		LPB	PKP	18 59 47.6		1.1	25	149.4
			eL	19 51				
		CCH	PKP	18 59 56.3				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	1	USCGS	19 34 32.6, 36.8N, 138.3E, H = 33 Km, HONSHU, JAPAN					
		LPB	ePKP	19 54 15.5				149.4
		PNS	ePKP	19 54 17.8				
MAR	1	LPB	P	20 34 29.2		1.1	22	
			i	39.5				
			i	52.2				
		PNS	iP	20 34 31.0	C	1.0	12	7.2
			i	50.6				
			S	35 52				
		CHA	P	20 34 30.6	D			
MAR	1	LPB	eP	21 24 11				
			eS	45.5				
		PNS	P	21 24 11.4		0.5	10	3.0
			iS	45.0				
MAR	1	LPB	eP	22 33 49.5		1.2	19	
MAR	1	USCGS	22 16 30.4, 51.4N, 179.3W, H = 33 Km, M = 5.3 ANDREANOF IS, ALEUTIAN IS					
		PNS	L	23 11.5				115.7
MAR	1	LPB	P	22 59 29		1.0	46	
		CCH	P	22 59 35.2				
		CHA	P	22 59 51.2				
		PNS	eP	22 59 54				
			i	55.5				
MAR	1	LPB	P	23 24 58.8		0.7	11	
MAR	2	LPB	eP	00 43 07				
MAR	2	USCGS	01 11 42.1, 61.6N, 152.0W, H = 10 Km, M = 3.9 S ALASKA					
		LPB	eP	01 25 35				102.3
			eL	02 01				
MAR	2	LPB	P	01 34 11.5		0.8	9	
MAR	2	USCGS	02 47 31.7, 0.3S, 78.7W, H = 121 Km, M = 5.8 ECUADOR					
		PNS	iP	02 51 44.0				
			S	55 17.4				
			SS	44.4				
			L	56.6				
		LPB	P	02 51 49.5				19.2
			PP	52 10				
			S	55 21				
			eL	56 8				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		CCH	iP	02 52 10.2	C			
		CHA	iP	02 52 41.3	D			
MAR	2	USCGS	03 25 24.0, 30.9N, 131.6E, H = 33 Km, M = 4.4 KYUSHU, JAPAN					
		LPB	ePKP	03 45 21				157.0
			eL	04 40				
		PNS	eL	04 40.4				
MAR	2	LPB	eP	04 04 21				
		PNS	eP	04 04 25				
MAR	2	LPB	P	04 34 27.5				
		PNS	P	04 34 28.2				
MAR	2	LPB	eP	05 11 22.5		1.0	12	
MAR	2	USCGS	05 58 28.2, 24.6S, 179.6W, H = 480 Km, M = 4.5 S OF FIJI IS					
		LPB	eP	06 11 26				101.7
			eL	47				
		PNS	eL	06 46.9				
MAR	2	CCH	P	06 31 06.7				
		LPB	P	06 31 32.2		0.9	12	4.5
			eS	32 24.5				
		PNS	P	06 31 36		0.7	4	
MAR	2	LPB	P	08 19 38		1.0	16	
MAR	2	LPB	P	08 24 43.2				
MAR	2	USCGS	08 17 44.5, 35.7N, 139.9E, H = 75 Km, M = 4.6 NR S CST OF HONSHU, JAPAN					
		LPB	ePKP	08 37 21		1.0	8	148.6
			PKP2	26.3				
			eL	09 28				
		PNS	PKP	08 37 22.0		1.0	8	
			i	25.2				
			G	09 19				
			L	28.4				
MAR	2	LPB	P	08 48 36.2		0.9	7	
MAR	2	PNS	eP	09 37 53				
		LPB	eP	09 37 56				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	2	USCGS	09 51 47.7, 41.4N, 71.4E, H = 59 Km, M = 4.2					
		KIRGIZ SSR						
		PNS	eL	10 57				137.7
MAR	2	PNS	eP	10 16 00.3				5.1
			eS	57				
MAR	2	LPB	P	10 17 03.7				2.0
			S	27.7				
		CHA	P	10 17 10.7				
		PNS	P	10 17 13.7	C	0.6	5	2.5
			i	17.3				
			S	43.7				
MAR	2	PNS	eP	10 34 50.5				
MAR	2	PNS	iP	12 43 51.4	D		14	2.0
			S	44 15.8				
MAR	2	PNS	iP	13 13 20.6	D			3.2
			S	58.7				
MAR	2	USCGS	13 21 44.7, 21.6N, 108.8W, H = 33 Km, M = 4.6					
		REVILLA GIGEDO IS REG						
		PNS	P	13 31 08.4		1.8	54	
			i(PP)	20.0				
			eS	38 48				
			eL	48				
		LPB	eP	13 31 12		1.6	39	55.0
			pP	19.6				
			eL	49				
MAR	2	USCGS	14 12 49.1, 36.3N, 117.7W, H = 14 Km, M = 4.4					
		CALIF-NEVADA BOR REG						
		LPB	eP	14 24 00				70.1
			eL	47				
MAR	2	LPB	P	16 19 46		0.9	32	
			S	48				
MAR	2	LPB	eP	16 34 13				
		PNS	P	16 34 13.2		0.6	17	3.2
			S	49.8				
MAR	2	LPB	eP	17 39 38				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	2	USCGS	18 11 31.7, 99.5W, H = 47 Km, M = 3.9					
		NEAR CST OF GUERRERO MEXICO						
		PNS	P	18 19 41.8		1.0	10	
		LPB	eL	18 33				45.0
MAR	2	PNS	eP	18 14 23.5				11.9
			eS	16 37				
MAR	2	PNS	P	18 40 51.4		0.6	7	
MAR	2	PNS	P	19 27 39.1		0.5	5	2.3
			S	28 06.2				
MAR	2	USCGS	20 47 37.6, 52.4N, 160.5E, H = 18 Km, M = 4.6					
		OFF E CST OF KAMCHATKA						
		LPB	ePKP	22 06 44				128.0
		PNS	ePKP	21 06 44.6				
MAR	2	PNS	P	21 27 16.5		0.5	5	
MAR	2	USCGS	23 03 39.7, 53.8N, 160.5E, H = 21 Km, M = 5.0					
		NR E CST OF KAMCHATKA						
		PNS	PKP	23 22 43.6		0.9	8	
			pPKP	54.3				
			eL	00 04				
		LPB	PKP	23 22 45		0.9	16	127.3
			eL	24 04				
MAR	2	LPB	P	23 40 15.5				
MAR	3	LPB	P	00 09 42		0.8	49	
			i	43.8				
			(S)	46				
		CHA	eP	00 09 49.0				
		PNS	P	00 09 52.7				
			i	55.1				
MAR	3	PNS	P	01 32 10.1	D	0.7	8	1.8
			S	31.8				
MAR	3	LPB	P	01 38 23.5		1.0	10	
MAR	3	LPB	eP	02 04 34				
		PNS	P	02 04 34.8		1.0	7	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	3	LPB	eP	02 15 11		0.8	7	
		PNS	eP	02 15 16.2				
MAR	3	LPB	P	02 31 32.5		0.8	12	
			i(pP)	50				
			i(S)	32 12				
		CHA	P	02 31 34.0				
		PNS	iP	02 31 34.2	C	0.9	12	
			i	53.1				
			(S)	33 50				
MAR	3	USCGS	03 01 36.6, 34.7S, 99.4W, H = 33 Km, M = 4.4					
		W CHILE RISE						
		LPB	eP	03 08 07.5				33.2
			pP	14.3				
			eL	17.5				
		PNS	L	17.6				
MAR	3	LPB	P	04 03 20.2		0.8	8	
		PNS	P	04 03 24.0		0.5	10	
MAR	3	LPB	P	05 16 37		0.8	3	
		PNS	P	05 16 37.1	D	0.7	8	2.0
			eS	17 01				
MAR	3	USCGS	05 48 54.8, 5.3S, 68.5E, H = 35 Km, M = 4.8					
		CHAGOS ARCHIPELAGO REG						
		LPB	ePKP	06 07 51.5				131.9
			eL	51				
		PNS	ePKP	06 08 10				
			eL	52				
MAR	3	LPB	eP	06 32 39				2.5
			S	33 09.5				
		PNS	iP	06 32 39.5	D	0.5	48	2.0
			iS	33 04				
		CHA	P	06 32 41.1	D			
MAR	3	LPB	eP	06 36 31		0.8	7	
MAR	3	LPB	P	06 38 49.8		1.0	4	
MAR	3	USCGS	08 52 48.8, 0.2S, 129.8E, H = 47 Km, M = 5.0					
		HALMAHERA						
		LPB	ePKP	09 12 34.3				154.3
			eL	10 10.9				
		PNS	ePKP	09 12 37				
			eL	10 06				
MAR	3	LPB	eP	09 24 22				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	3	LPB	eP	09 28 02		0.8	6	
		PNS	eP	09 28 07				
MAR	3	USCGS	09 32 34.8, 166.2E, H = 33 Km, SANTA CRUZ IS					
		LPB	eL	10 28				119.0
		PNS	eL	10 29.4				
MAR	3	LPB	P	10 46 37		1.0	28	
		PNS	P	11 42 51		1.0	7	
MAR	3	LPB	eP	12 12 09.5				
		PNS	eP	12 14 42				
MAR	3	USCGS	12 45 54.9, 50.3S, 139.8E, H = 12 Km, M = 5.1 S OF AUSTRALIA					
		LPB	eP	13 00 19				109.0
		PNS	eL	13 36.9				
MAR	3	PNS	P	13 27 12				
		LPB	eP	13 27 14.5				
MAR	3	PNS	P	13 47 42.9		1.0	17	
		LPB	eP	13 47 46				
MAR	3	PNS	P	13 53 10.9		0.6	3	
MAR	3	PNS	P	13 56 20.9		0.6	7	3.2
			S	57.7				
		LPB	eP	13 56 29.5				
MAR	3	PNS	iP	14 07 56.7	C			2.6
			iS	08 27.9				
		LPB	eP	14 08 06				2.6
			S	37				
MAR	3	USCGS	14 40 14.1, 50.2S, 139.8E, H = 33 Km, M = 4.7 S OF AUSTRALIA					
		LPB	eP	14 54 12.5				109.0
			eL	15 32				
		PNS	eL	15 32.7				
MAR	3	USCGS	15 01 03.7, 6.9S, 106.1E, H = 33 km, M = 4.8 JAVA					
		PNS	ePKP	15 20 59				
		LPB	eL	16 15				156.0

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	3	PNS	P	16 32 55.6		0.5	3	
MAR	3	PNS	P	16 43 04.5		0.4	2	1.8
			S	27				
MAR	3	USCGS	19 39 48.2, 13.7N, 90.4W, H = 33 Km, M = 3.8					
		NR CST OF GUATEMALA						
		LPB	eP	19 47 16.8				37.9
MAR	3	USCGS	20 49 47.0, 19.0S, 169.3E, H = 215 Km, M = 4.5					
		NEW HEBRIDES IS						
		PNS	eL	21 43.7				113.1
MAR	3	PNS	iP	21 19 22.1	D	0.4	6	1.8
			S	44.6				
		SCS	P	21 19 26.7				
MAR	3	SCS	P	22 01 18.3				
		LPB	P	22 01 32		0.9	15	
		PNS	P	22 01 36.1		0.7	3	
MAR	4	USCGS	01 12 31.6, 24.8N, 121.8E, H = 68 Km, M = 4.8					
		TAIWAN						
		PNS	ePKP	01 32 32		1.3	15	
			eL	02 32				
		LPB	PKP	01 32 33		1.3	15	167.9
			eL	02 32				
MAR	4	LPB	P	02 29 13.6		0.8	3	
MAR	4	SCS	eP	02 37 31.4				
MAR	4	LPB	P	03 47 50.5		0.8	9	
MAR	4	LPB	P	04 18 59		0.6	3	
MAR	4	PNS	eP	04 44 07.1		1.2	9	
		LPB	P	04 44 09		0.6	8	
MAR	4	USCGS	05 09 24.2, 21.4N, 121.8E, H = 134 Km, M = 5.5					
		TAIWAN REG						
		PNS	iPKP	05 29 19.5		1.6	159	
			ipPKP	51.0				
			iPKP2	30 31.0				
			PP	34 17.7				
			SKKS	40 56				
			eSS	55 13				
			eL	06 29.2				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	4	SCS	ePKP	05 29 19.3	C			
		LPB	PKP	05 29 20.2		1.6	136	169.1
			i	26.5				
			pPKP	53.6				
			PKP2	30 31.7				
			ePP	34 19				
			eSS	54 44				
			eL	06 29				
MAR	4	LPB	eP	05 51 47		0.7	7	
		PNS	P	05 51 48.6				
MAR	4	LPB	eP	06 15 35		0.7	10	
MAR	4	SCS	eP	06 24 18.6				
		LPB	eP	06 24 31				
		PNS	eP	06 24 38.4				
MAR	4	USCGS	06 16 21.9, 18.5S, 175.4W, H = 225 Km, M = 5.7					
		TONGA IS						
		PNS	eP	06 29 44.6				
			iPP	33 54.8				
			SKS	40 06.6				
		LPB	eP	06 29 47.5		1.5	27	100.2
			PP	33 54				
			SKS	40 02				
			eL	07 02.7				
		SCS	eP	06 29 49.7				
MAR	4	SCS	P	06 33 56.6				
MAR	4	SCS	P	06 36 16.3				2.4
			S	45.6				
		PNS	P	06 36 28				2.3
			S	37 06				
		LPB	eP	06 36 28.5				2.4
			S	57.5				
MAR	4	PNS	e(P)	06 44 20				
		LPB	eP	06 44 34				
MAR	4	SCS	P	06 46 01.7				
			i	24.1				
		LPB	eP	06 46 02				
			i	27.5				
			ePP	50				
			eL	07 20				
		PNS	iP	06 46 03.0	C	0.7	4	
			i	28.0				
			(pP)	47 04				
			PP	50 25.5				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	4	SCS	P	08 34 22.8				
		LPB	P	08 34 32.7		0.6	7	
		PNS	P	08 34 36.7	C	0.6	7	5.1
			eS	35 36				
MAR	4	PNS	P	08 45 37.0		0.7	3	12.2
			S	47 52.6				
		SCS	P	08 45 40.9				
		LPB	eP	08 45 50				
MAR	4	PNS	P	09 16 05				12.0
			e	18.5				
			eS	18 19				
		LPB	eP	09 16 12.5				
		SCS	P	09 16 19.8				
MAR	4	SCS	P	09 42 34.6				
		PNS	P	09 42 39.3		0.2	5	11.8
			i	51.4				
			S	44 51				
		LPB	P	09 42 49.2				10.5
			S	44 47.5				
MAR	4	USCGS	10 45 40.3, 11.4S, 165.7E, H = 49 Km, M = 4.7					
		SANTA CRUZ IS						
		PNS	eL	11 42.5				119.8
MAR	4	LPB	P	11 09 09				
MAR	4	PNS	iP	11 55 00.0	D			2.3
			iS	27				
		SCS	iP	11 55 00.6	D			
		LPB	iP	11 55 02.5	D	0.9	8	7.9
			iS	56 32.5				
		CHA	P	11 55 02.9				
MAR	4	PNS	iP	12 02 35.0	D	0.5	10	2.0
			S	59				
MAR	4	USCGS	13 08 36.2, 32.6N, 141.1E, H = 61 Km, M = 4.2					
		S OF HONSHU, JAPAN						
		LPB	ePKP	13 28 10				148.9
			eL	14 19				
		PNS	ePKP	13 28 26.9				
			eL	14 19				
MAR	4	LPB	eP	15 00 48				
		PNS	e(P)	15 00 51.3				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	4	USCGS	14 59 39.2, 52.1N, 170.5W, H = 42 Km, M = 4.3					
		FOX IS, ALEUTIAN IS						
		LPB	eL	15 52				110.4
		PNS	eL	15 52				
MAR	4	SCS	P	15 40 09.2	D			
		LPB	P	15 40 15.5		0.4	51	2.3
			iS	43.6				
		CHA	iP	15 40 16.7	C			
		PNS	iP	15 40 16.8	D	0.5	34	2.3
			iS	44.8				
MAR	4	SCS	P	16 57 30.5	D			
			S	40.0				
MAR	4	USCGS	17 23 19.2, 19.2S, 174.0W, H = 49 Km, M = 4.5					
		TONGA IS						
		PNS	eP	17 36 53.9		1.4	23	98.1
MAR	4	USCGS	17 58 06.4, 39.2N, 24.6E, H = 33 Km,					
		AEGEAN SEA						
		LPB	eP	18 12 01				102.3
			ePP	16 11.8				
			SKS	22 43				
			SS	30 16				
			eL	47				
		PNS	eP	18 12 01.9				
			PP	16 12.0				
			SKS	22 45.0				
			SCS	23 50				
			PS	25 29				
			iSS	29 57				
			L	46.7				
		SCS	eP	18 12 03.7				
MAR	4	SCS	eP	18 28 04.0				
		LPB	eP	18 28 07.5				
			e	33				
		PNS	P	18 28 08.0		1.0	7	
			i	31.6				
MAR	4	PNS	P	18 42 25.2				1.8
			iS	47.0				
MAR	4	SCS	P	19 24 35.7				
		LPB	P	19 24 47.5		1.0	44	
		PNS	iP	19 24 49.7	C	0.7	8	
			e(S)	25 50.7				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	4	USCGS	20 20 53.1, 29.9N, 141.9E, H = 33 Km, S OF HONSHU, JAPAN					
		LPB	ePKP	20 40 32				149.4
			eL	21 31				
		PNS	eL	21 31				
MAR	4	USCGS	22 41 14.5, 7.8N, 146.2E, H = 20 Km, M = 5.1 CAROLINE IS REG					
		SCS	PKP	23 00 52.7	C			
		PNS	PKP	23 00 54.5	C	1.5	90	
			pPKP	01 05.0				
			eL	49				
		LPB	PKP	23 00 55.3		1.4	54	145.3
			pPKP	01 04				
			eL	50				
MAR	5	SCS	P	01 31 31.8				
		LPB	P	01 31 43.6		0.8	7	
		PNS	P	01 31 45				5.4
			eS	32 47				
MAR	5	SCS	iP	02 19 28.8	C			
		LPB	iP	02 19 39.3	C	0.7	4	2.8
			S	20 12.5				
		CHA	iP	02 19 40.2	C			
		PNS	iP	02 19 41.1	C	0.8	19	2.9
			S	20 15.4				
MAR	5	PNS	eP	03 14 14				3.3
			S	53				
		LPB	eP	03 14 20				
MAR	5	PNS	iP	03 30 38.4	D		10	
			S	59.6				
MAR	5	PNS	eP	04 44 23				
		LPB	eP	04 44 22.5				
MAR	5	USCGS	05 40 23.8, 41.3N, 111.7W, H = 14 Km, M = 3.5 UTAH					
		LPB	eP	05 51 29				70.0
			eL	06 15				
MAR	5	LPB	P	06 03 57.8				
		PNS	eP	06 03 58				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR.	5	LPB	eP	06 36 46.5				
MAR	5	LPB	eP	09 50 09				
			eL	10 00				
		PNS	eP	09 50 26.6				
			e	51 18				
			i	28				
			L	10 00.4				
MAR	5	LPB	eP	09 51 21				
		SCS	eP	09 51 25.8				
		PNS	eP	09 51 26.2				
MAR	5	USCGS KURILE IS	09 55 15.4, 46.8N, 152.7E, H = 33 Km, M = 4.4					
		LPB	ePKP	10 14 26				134.5
			eL	59				
MAR	5	USCGS ECUADOR	10 13 30.2, 1.4S, 77.8W, H = 214 Km, M = 3.7					
		LPB	eP	10 17 11.5				17.5
			eL	21				
		PNS	eP	10 17 16.8		1.0	6	
			L	20.8				
MAR	5	SCS	P	11 33 05.3				
		PNS	P	11 33 16.7		1.4	55	
			L	49.5				
		LPB	eP	11 33 17.5				
			eL	49.4				
MAR	5	PNS	eP	13 26 03				
			e	46.8				
		SCS	eP	13 26 35.4				
		LPB	eP	13 26 35.5				
MAR	5	LPB	eP	17 40 16				
		PNS	P	17 40 21.4		1.0	11	
MAR	5	LPB	eP	20 15 53		1.0	15	
MAR	5	PNS	P	20 35 41.4	D	1.0	18	3.2
			iS	36 19.5				
		LPB	eP	20 35 47		0.8	15	3.7
			S	36 30				
MAR	5	PNS	P	21 34 41.4				2.7
			S	35 13.7				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	5	USCGS	21 36 32.5, 8.5N, 103.8W, H = 33 Km, M = 4.3 OFF CST OF MEXICO					
		PNS	P	21 44 29.7		0.8	5	
			i(pP)	36.0				
			eS	50 54				
			L	57.5				
		LPB	P	21 44 33				43.0
			pP	39.3				
MAR	5	PNS	iP	23 20 52.8	C	0.6	19	2.5
			iS	21 23.0				
		LPB	eP	23 20 56				2.5
			eS	21 26				
MAR	6	USCGS	01 05 46.5, 1.7N, 30.7W, H = 33 Km, M = 4.4 CENTRAL MID-ATLANTIC RIDGE					
		LPB	eP	01 13 13.5				40.4
			eL	25				
		PNS	P	01 13 32.0		1.0	9	
			L	25.3				
MAR	6	USCGS	02 41 58.6, 3.9N, 126.6E, H = 83 Km, M = 5.0 TALAUD IS					
		LPB	ePKP	03 01 51				160.2
			eL	58				
		PNS	PKP	03 01 55.0	D	1.0	8	
MAR	6	USCGS	04 40 17.8, 30.5N, 137.6E, H = 490 Km, M = 5.1 S OF HONSHU, JAPAN					
		LPB	ePKP	04 59 12		1.1	25	152.6
			i	16.2				
			i	22.0				
			pPKP	05 01 05.2				
			eL	51				
		PNS	ePKP	04 59 12.5		1.9	86	
			i	20.8				
			pPKP	05 01 15.9				
			eL	05 50.7				
MAR	6	PNS	eP	05 18 25.5				
		LPB	eP	05 18 26.5				
MAR	6	PNS	P	05 32 18.2		0.9	10	
		LPB	eP	05 32 18.6		0.7	11	
MAR	6	USCGS	08 11 58.8, 22.7S, 177.5W, H = 227 Km, M = 4.7 S OF FIJI IS					
		LPB	eL	09 00				100.8

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	6	PNS	eP	09 35 03		1.0	7	
		LPB	eP	09 35 07				
MAR	6	LPB	P	09 41 32.3		1.0	30	
		PNS	P	09 41 32.4		0.9	5	
MAR	6	PNS	P	10 42 14.8	D	0.4	3	2.0
			S	39				
MAR	6	USCGS	11 28 49.4, 3.7N, 95.8E, H = 57 Km, M = 5.1					
		OFF W CST OF N SUMATRA						
		LPB	ePKP	11 48 45				159.5
			PKP2	24.6				
			eL	12 46				
		PNS	ePKP	11 48 46.6		1.2	8	
			PKP2	49 27.2				
			eSS	12 12 03				
			eL	44				
MAR	6	USCGS	11 36 37.0, 52.4N, 169.6W, H = 12 Km, M = 3.9					
		FOX IS, ALEUTIAN IS						
		LPB	ePKP	11 55 10				110.0
			eL	12 29				
MAR	6	PNS	P	12 08 39.1		1.0	10	
			i	45.0				
		LPB	eP	12 08 48		1.0	14	
MAR	6	PNS	eP	12 27 35				
			e	43.4				
		LPB	eP	12 27 39				
MAR	6	LPB	P	12 30 11.0		0.8	33	4.3
			e	18.5				
			S	31 01.5				
		PNS	P	12 30 15.8		0.8	5	
MAR	6	USCGS	12 39 27.5, 55.6S, 146.1E, H = 33 Km,					
		W OF MACQUARIE IS						
		PNS	SKS	13 06 01				
			eL	13 28.5				
		LPB	eL	13 28				102.6
MAR	6	PNS	P	13 19 04.5				
		LPB	eP	13 19 14				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	6	PNS	iP	13 33 41.6	D	0.4	21	1.8
			iS	34 04				
		LPB	P	13 33 42.5		0.6	10	
MAR	6	PNS	P	15 03 05.6	C	0.5	8	5.7
			S	04 10.8				
MAR	6	PNS	P	15 21 16.7	D	1.0	11	
MAR	6	PNS	iP	15 29 21.2	D	1.0	2	
		LPB	eP	15 29 22				
MAR	6	LPB	eP	15 45 22				
		PNS	P	15 45 23.2		1.0	6	
MAR	6	USCGS	06 14 14.5, 11.2S, 166.8E, H = 50 Km, M = 4.2					
		SANTA CRUZ IS						
		LPB	eL	18 11				118.8
MAR	6	LPB	eP	17 38 45				
		PNS	eP	17 38 46.3				
MAR	6	USCGS	20 35 14.3, 4.0S, 129.6E, H = 33 Km, M = 5.0					
		BANDA SEA						
		LPB	ePKP	20 55 07		0.5	14	153.0
			eL	20 48				
		PNS	ePKP	20 55 08.6				
MAR	6	LPB	eP	20 59 25				
		PNS	eP	20 59 27.8				
MAR	6	PNS	P	21 04 09.0	D	0.6	4	6.4
			S	05 22.4				
MAR	6	LPB	eP	21 11 50				
		PNS	eP	21 11 54				
MAR	6	USCGS	23 30 43.4, 10.9S, 166.4E, H = 24 Km, M = 4.9					
		SANTA CRUZ IS						
		PNS	L	00 27.7				
		LPB	L	00 28				119.9
MAR	7	USCGS	00 04 46.7, 10.7S, 166.1E, H = 33 Km, M = 4.4					
		SANTA CRUZ IS						
		LPB	ePKP	00 23 35.5				110.8
			eL	01 01				
		PNS	eL	01 01.8				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	7	LPB	eP	01 48 29		0.8	6	
		PNS	P	01 48 31	C	0.8	7	
MAR	7	LPB	eP	02 54 06				
MAR	7	PNS	eP	03 51 06				8.3
			eS	52 40				
		LPB	eP	03 51 14				
MAR	7	USCGS	03 51 07.6, 47.8N, 122.7W, H = 30 Km, M = 4.4					
		WASHINGTON						
		LPB	eL	04 29				80.5
MAR	7	PNS	eP	04 22 27				
		LPB	eP	04 22 30				
MAR	7	LPB	P	04 30 38.2		1.0	10	
		PNS	P	04 30 41.4		0.8	10	
MAR	7	LPB	eP	04 32 24.5				
		PNS	P	04 32 34.1	D	0.5	2	2.6
MAR	7	PNS	eP	04 52 51.6				
MAR	7	USCGS	04 41 20.2, 22.0N, 144.0E, H = 165 Km, M = 4.5					
		VOLCANO IS REG						
		PNS	PKP	05 00 52.5		1.0	13	
			iPKP2	57.5				
			eL	51.3				
		LPB	PKP	05 00 54		1.0	16	149.1
			eL	51				
MAR	7	LPB	eP	05 56 30				
		PNS	P	05 56 41.9				3.2
			S	57 20				
MAR	7	PNS	eP	06 17 26				
		LPB	P	06 17 36				
MAR	7	USCGS	07 18 34.9, 7.8N, 36.6W, H = 33 Km, M = 4.4					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	07 26 04	C	1.5	35	39.5
			pP	12.8				
			eL	38.8				
		PNS	P	07 26 05.3		1.4	46	
			ipP	14.7				
			eL	07 37.3				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	7	USCGS	08 06 29.8, 31.4S, 69.0W, H = 110 Km, M = 4.1 SAN JUAN PROV, ARGENTINA					
		LPB	P	08 09 56		1.0	12	14.4
			eL	14				
		PNS	P	08 09 58.0	D	1.0	25	
MAR	7	LPB	eP	08 17 31				
		PNS	P	08 17 48.0	D	0.6	8	1.8
			S	18 10				
MAR	7	USCGS	08 28 56.7, 22.9N, 144.2E, H = 33 Km, M = 4.8 VOLCANO IS REG					
		PNS	PKP	08 48 40.4		1.0	9	
			PKP2	46.3				
			eL	09 40.2				
		LPB	PKP	08 48 41.6		1.0	10	148.6
MAR	7	PNS	P	08 57 24.3	D	0.4	3	1.8
			S	46.6				
		LPB	eP	08 57 25				
MAR	7	USCGS	09 03 07.4, 6.9N, 73.0W, H = 163 Km, M = 4.4 N COLOMBIA					
		LPB	P	09 08 08		0.9	15	23.4
			ipP	40				
			eL	14.8				
		PNS	P	09 08 03.5				
			pP	36.0				
MAR	7	LPB	P	11 40 18.4		0.8	18	
		PNS	iP	11 40 22.0	C	0.8	13	3.4
			S	41 02.5				
MAR	7	USCGS	11 39 36.0, 38.3N, 142.4E, H = 33 Km, M = 4.0 NR E CST OF HONSHU, JAPAN					
		LPB	ePKP	11 59 15				145.8
			eL	12 50				
		PNS	eL	12 49				
MAR	7	PNS	P	13 54 55.8		0.4	4	
MAR	7	USCGS	13 47 31.1, 4.0S, 129.7E, H = 47 Km, M = 5.1 BANDA SEA					
		PNS	ePKP	14 07 22.6				
			SS	30 59				
			L	15 01.4				
		LPB	ePKP	14 07 22.7				160.1
			pP	35.5				
			eL	15 03				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	7	PNS	P	14 24 10.9		1.1	10	
		LPB	eP	14 24 11				
MAR	7	LPB	eP	14 48 11				
			e	38				
		PNS	P	14 48 20.3		1.0	5	2.5
			S	50				
MAR	7	PNS	eP	15 28 13.4				4.2
			S	29 02.3				
MAR	7	LPB	iP	15 30 24.0	D	0.6	52	4.2
			S	31 13				
		CHA	iP	15 30 24.6	D			
		PNS	iP	15 30 27.8	D	0.6	181	4.7
			iS	31 22.3				
MAR	7	USCGS	15 30 26.8, 1.6S, 78.3W, H = 161 Km, M = 4.1					
		ECUADOR						
		PNS	P	15 34 22.1	D	1.0	35	
		CHA	P	15 34 23.7	D			
		LPB	P	15 34 26.8		1.1	6	17.0
			eS	37 35				
MAR	7	USCGS	16 21 20.3, 4.1N, 125.6E, H = 170 Km, M = 5.5					
		TALAUD IS						
		LPB	ePKP	16 41 04				161.2
			ePKP2	49				
			eL	17 36				
		PNS	ePKP	16 40 52.4				
			PKP2	41 50.4				
			L	17 36.7				
MAR	7	PNS	P	16 44 29.0		0.6	3	
MAR	7	USCGS	17 22 43.3, 10.9S, 166.5E, H = 34 Km, M = 5.3					
		SANTA CRUZ IS						
		PNS	eL	18 19.6				119.2
MAR	7	LPB	eP	17 52 31				
		PNS	eP	17 52 37.3				4.7
			S	53 31				
MAR	7	PNS	eP	17 54 44.6		0.6	11	2.3
			S	55 13				
MAR	7	LPB	P	18 15 20.5				
		PNS	iP	18 15 59.3	D			1.9
			iS	16 21.9				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	7	PNS	P	20 54 57.4				
			i	55 01.2				
		LPB	eP	20 54 59.5				
MAR	8	USCGS	01 31 57.3, 10.7S, 166.3E, H = 41 Km, M = 4.7					
		SANTA CRUZ IS						
		LPB	ePKP	01 50 44.5				119.7
			eL	02 28				
MAR	8	LPB	P	02 05 42		1.0	30	
		PNS	P	02 05 42.8		0.9	6	6.7
			S	06 59				
MAR	8	USCGS	01 48 59.0, 10.7S, 166.4E, H = 12 Km, M = 5.1					
		SANTA CRUZ IS						
		LPB	ePKP	02 07 46				119.9
		PNS	ePKP	02 07 48				
			eL	45.9				
MAR	8	USCGS	02 48 46.6, 10.7S, 166.2E, H = 6 Km, M = 4.6					
		SANTA CRUZ IS						
		LPB	ePKP	03 07 27.2				119.7
MAR	8	USCGS	04 03 30.8, 10.7S, 166.5E, H = 33 Km, M = 4.8					
		SANTA CRUZ IS						
		PNS	eL	05 00				
		LPB	ePKP	04 22 18.5				120.0
			eL	05 00				
MAR	8	LPB	P	04 36 04.5		0.7	8	
MAR	8	USCGS	05 13 34.4, 24.4N, 142.8E, H = 33 Km, M = 4.5					
		VOLCANO IS REG						
		PNS	ePKP	05 33 25		0.8	7	
		LPB	ePKP	05 33 26.2		0.9	10	149.4
			eL	06 24				
MAR	8	LPB	P	08 12 48.5		0.8	21	5.6
			S	13 52.5				
		PNS	P	08 12 52.5		0.8	4	5.6
			eS	13 57				
MAR	8	USCGS	08 13 07.0, 10.8S, 166.4E, H = 33 Km, M = 4.8					
		SANTA CRUZ IS						
		LPB	ePKP	08 30 53				119.0
		PNS	eL	09 09.6				
MAR	8	LPB	P	08 55 11				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PEP	AMPL	DIST
MAR	8	LPB	P	08 57 51		0.7	10	
		PNS	P	08 57 54.6	C	0.9	16	
MAR	8	USCGS	11 11 43.8, 21.6S, 72.2W, H = 33 Km, M = 4.3					
		OFF CST OF N CHILE						
		PNS	iP	11 13 18.2	C			
			S	14 30				
			L	15.4				
		LPB	eP	11 13 18.5		0.5	11	6.3
			PP	26.8				
			S	14 31				
		CHA	iP	11 13 19.3	C			
MAR	8	USCGS	12 04 19.5, 33.4N, 136.5E, H = 411 Km,					
		NR S CST OF S HONSHU						
		LPB	eL	13 16				151.6
		PNS	eL	13 16				
MAR	8	PNS	P	13 26 39.1		0.6	7	2.7
			S	27 11.2				
MAR	8	PNS	P	14 05 16.9		0.9	7	
MAR	8	PNS	P	17 32 59.4		0.8	9	4.7
			S	33 53				
		CHA	P	17 33 00.4				
		LPB	P	17 33 00.6		0.6	5	4.9
			S	56.2				
MAR	8	USCGS	21 03 35.1, 22.1S, 67.6W, H = 183 Km, M = 4.5					
		CHILE-BOLIVIA BOR REG						
		PNS	iP	21 05 02.9	C	0.9	155	
			iS	06 08.9				
			L	06.9				
		CHA	iP	21 05 00.4	D			
		LPB	P	21 04 59.5		0.7	70	5.5
			S	06 02				
MAR	8	USCGS	22 13 56.8, 15.6S, 167.6E, H = 132 Km, M = 4.5					
		NEW HEBRIDES IS						
		LPB	ePKP	22 32 05.5				116.1
			eL	23 10				
		PNS	eL	09				
MAR	8	USCGS	22 52 13.6, 12.3S, 166.4E, H = 61 Km, M = 4.8					
		SANTA CRUZ IS						
		LPB	ePKP	23 09 37				118.8
			eL	24 49				
		PNS	eL	23 48.4				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	8	USCGS HONDURAS	23 07 02.6, 15.1N, 88.7W, H = 76 Km, M = 4.1					
		LPB	eP	23 14 02				37.8
			eL	24				
		PNS	eL	23 24.5				
MAR	8	CHA	P	23 24 32.2				3.3
			S	25 09.9				
		LPB	eP	23 24 33		0.6	13	2.9
			S	25 07.5				
		PNS	P	23 24 38.1		0.4	4	2.4
			i(PP)	43.6				
			S	25 06.7				
MAR	9	USCGS COLOMBIA	00 41 54.5, 5.9N, 72.4W, H = 234 Km, M = 4.5					
		LPB	P	00 46 38.5				22.3
			iPP	47 28				
		PNS	P	00 46 51.6		0.6	5	
			iPP	47 24.2				
			L	51.7				
MAR	9	PNS	eP	02 04 07.8				
		LPB	eP	02 04 14				
MAR	9	USCGS SANTA CRUZ IS	03 24 18.9, 10.7S, 166.3E, H = 30 Km, M = 5.6					
		LPB	ePKP	03 43 08				119.7
			eL	04 21				
		PNS	L	04 21				
MAR	9	LPB	P	03 56 26		0.9	22	119.7
			(S)	04 01 50				
		PNS	P	03 56 30.5		0.6	4	
MAR	9	PNS	P	04 00 53.9		0.9	9	3.7
			S	01 37				
		LPB	P	04 01 04		0.7	4	4.0
			S	50				
MAR	9	LPB	eP	04 51 23				59.0
			eS	59 26				
			eL	05 08				
		PNS	eP	04 51 25				57.0
			e	56 56.2				
			S	59 16				
			L	05 07.8				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	9	LPB	P	05 03 12		1.2	15	
			eL	20				
		PNS	eP	05 03 12		1.3	10	
			i	51.9				
			i	04 50.2				
			L	20.3				
MAR	9	PNS	P	05 09 01.8				4.5
			S	53.8				
		LPB	eP	05 09 02				4.5
			S	54.5				
MAR	9	PNS	P	05 49 12				
MAR	9	USCGS 05 38 14.9, 10.7S, 166.1E, H = 33 Km, M = 5.2 SANTA CRUZ IS						
		LPB	ePKP	05 57 08				119.7
			eL	06 35				
		PNS	L	06 35.5				
MAR	9	USCGS 05 52 19.2, 10.7S, 166.3E, H = 33 Km, M = 5.3 SANTA CRUZ IS						
		PNS	ePKP	06 11 05				119.7
			L	49				
			eL	48.8				
MAR	9	USCGS 06 58 35.7, 10.6S, 166.3E, H = 30 Km, M = 6.0 SANTA CRUZ IS						
		PNS	P	07 13 29		1.4	22	
			PKP	17 24.3				
			iPP	18 52				
			iSKS	28 49				
			SS	35 22				
			G	47.8				
			L	55				
		LPB	PKP	07 17 27		1.0	12	119.7
			ePP	18 49				
			eSKS	28 49				
			eSS	35 17				
			G	48				
			L	55				
MAR	9	LPB	eP	07 24 46				
MAR	9	USCGS 07 50 57.6, 10.8S, 166.4E, H = 33 Km, M = 5.1 SANTA CRUZ IS						
		LPB	ePKP	08 09 47				119.7
			eL	48				
		PNS	L	08 48				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	9	LPB	eP	08 17 11				
		PNS	eP	08 17 13.2				
MAR	9	USCGS	08 10 37.9, 11.1S, 166.4E, H = 63 Km, M = 4.8					
		SANTA CRUZ IS						
		LPB	ePKP	08 29 06				119.2
			eL	09 07				
MAR	9	USCGS	08 16 40.2, 10.8S, 166.4E, H = 40 Km, M = 5.3					
		SANTA CRUZ IS						
		LPB	ePKP	08 35 27				119.7
			eL	09 13.4				
MAR	9	LPB	eP	09 28 35				
			e	30 11.6				
			i	45				
		PNS	P	09 28 38.4				15.0
			i	29 54.0				
			i	30 46.0				
			S	31 24				
MAR	9	PNS	P	09 42 51				1.8
			S	43 13				
MAR	9	LPB	eP	10 37 17		0.8	4	4.8
			eS	38 11.7				
		PNS	P	10 37 19.9		0.8	9	4.7
			S	38 13				
MAR	9	LPB	iP	11 37 47				
		PNS	P	11 33 50.8				
MAR	9	USCGS	11 43 13.9, 23.8S, 66.4W, H = 210 Km, M = 4.7					
		JUJUY PROV, ARGENTINA						
		LPB	iP	11 45 02.0		0.7	154	7.5
			iS	46 24.8				
		CHA	iP	11 45 03.4	D			
		PNS	iP	11 45 05.6	C	0.7	294	
			S	46 31.6				
MAR	9	USCGS	11 50 29.6, 17.3S, 73.3W, H = 33 Km, M = 3.6					
		OFF CST OF PERU						
		PNS	iP	11 51 41.2	C	1.0	268	
			S	52 31				
		CHA	iP	11 51 42.9	D			
		LPB	P	11 51 46.3	C	1.1	154	4.7
			eS	52 35				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	9	USCGS	12 55 07.8, 10.6S, 166.4E, H = 28 Km, M = 4.6					
		SANTA CRUZ IS						
		LPB	ePKP	13 13 15				119.7
			eL	51				
MAR	9	LPB	eP	13 11 25				
		PNS	P	13 11 42.9		0.8	5	
MAR	9	USCGS	13 38 67.0, 29.6N, 141.3E, H = 33 Km, M = 4.4					
		S OF HONSHU, JAPAN						
		LPB	ePKP	13 58 42		0.8	6	150.0
			eL	14 50				
		PNS	iPKP	13 58 46.6	C	0.7	6	
			PKP2	59 02				
MAR	9	USCGS	14 08 44.5, 14.5N, 91.4W, H = 106 Km, M = 4.6					
		GUATEMALA						
		LPB	eP	14 15 46				38.7
			eL	27				
		PNS	P	14 15 55.9		1.2	18	
			PcP	18 11				
			i	27.2				
MAR	9	USCGS	17 58 33.2, 15.5S, 175.5W, H = 95 Km, M = 4.3					
		TONGA IS						
		LPB	eP	18 12 06				101.5
			eL	45.8				
MAR	9	USCGS	18 02 45.7, 10.7S, 166.3E, H = 59 Km, M = 6.4					
		SANTA CRUZ IS						
		LPB	ePKP	18 21 32				119.7
			ePS	32 57				
			eSS	39 23				
			eL	19 14				
		PNS	ePKP	18 21 35.6		0.8	8	
			SS	39 37				
			G	51.9				
			L	59.1				
MAR	9	USCGS	18 27 08.1, 15.6S, 175.3W, H = 28 Km, M = 4.6					
		TONGA IS						
		PNS	iP	18 39 39.8		0.7	4	
			i	40 04.9				
		LPB	eP	18 39 41.5				101.5
			eL	19 14				
MAR	9	USCGS	19 56 58.9, 17.7S, 69.7W, H = 157 Km, M = 4.3					
		PERU-BOLIVIA						

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	iP	19 57 33.7	D			
			S	55				
		CHA	iP	19 57 34.4	D			1.8
			iS	57.5				
MAR	9	USCGS	20 12 35.1, 19.0S, 69.5W, H = 125 Km, M = 4.4					
		N CHILE						
		LPB	iP	20 13 20.7	C	0.8	180	2.7
			iS	56				
		CHA	iP	20 13 21.4	D			
		PNS	iP	20 13 22.0	C	1.2	600	
			S	59				
MAR	9	USCGS	20 02 43.5, 56.1N, 34.7W, H = 33 Km, M = 4.6					
		N ATLANTIC OCEAN						
		LPB	eL	20 40				77.6
		PNS	eL	20 40				
MAR	9	USCGS	20 10 35.9, 55.4N, 33.3W, H = 33 Km, M = 4.5					
		N ATLANTIC OCEAN						
		LPB	eL	20 47				51.3
MAR	9	PNS	P	20 46 11.6	C	0.7	14	2.0
			iS	35.6				
		LPB	eP	20 46 17				2.0
			S	40.6				
MAR	9	USCGS	20 34 48.2, 56.2N, 34.6W, H = 33 Km, M = 4.8					
		N ATLANTIC OCEAN						
		LPB	eL	21 11				77.6
		PNS	eL	21 11.9				
MAR	9	USCGS	20 54 58.1, 6.7S, 129.7E, H = 166 Km, M = 4.8					
		BANDA SEA						
		LPB	PKP	21 14 35	C	1.2	49	150.7
			PKP2	44				
			eL	22 05				
		PNS	iPKP	21 14 35.1	C	0.9	18	
			iPKP2	44.0				
			L	22 05.9				
MAR	9	USCGS	20 59 42.6, 55.8N, 34.3W, H = 33 Km, M = 4.4					
		N ATLANTIC OCEAN						
		LPB	eP	21 11 36				77.4
			eL	37				
		PNS	P	21 11 37.6				
			eL	36.6				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	9	USCGS S OF HONSHU,JAPAN	21 06 35.6, 30.3N, 139.4E, H = 248 Km, M = 4.8					
		LPB	ePKP	21 25 52				151.1
			eL	22 17				
		PNS	ePKP	21 25 55				
			pPKP	27 05.4				
MAR	9	USCGS N ATLANTIC OCEAN	21 22 48.9, 56.1N, 34.4W, H = 33 Km, M = 4.9					
		LPB	eP	21 34 42				77.4
			eL	59				
		PNS	P	21 34 43.4		2.0	9	
			ipP	52.8				
			L	59.3				
MAR	9	USCGS FIJI IS REG	21 25 34.6, 21.5S, 176.3W, H = 283 Km, M = 4.8					
		LPB	eL	22 12				99.9
		PNS	P	21 38 45.4				
			eL	22 12.8				
MAR	9	USCGS N ATLANTIC OCEAN	22 18 00.7, 56.1N, 34.5W, H = 33 Km, M = 4.6					
		PNS	eP	22 29 54.4				
		LPB	eL	22 55				77.4
MAR	9	LPB	eP	22 47 43				1.8
			S	48 05.3				
		CHA	P	22 47 44.0				1.9
			S	48 07.3				
		PNS	eP	22 47 43				1.8
			S	48 05.3				
MAR	9	PNS	iP	22 52 45.8	C	0.8	8	1.6
			iS	53 15.5				
		CHA	P	22 52 48.0				
		LPB	P	22 52 49.7		0.9	22	
MAR	10	PNS	P	00 17 43.5		0.4	3	
MAR	10	USCGS BONIN IS REG	00 31 17.0, 28.7N, 138.7E, H = 490 Km, M = 5.1					
		LPB	PKP	00 50 16				152.1
			e	20.3				
		PNS	PKP	00 50 19.4		1.3	31	
			iPKP	30.3				
			pPKP	52 12.8				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	10	LPB	P	00 57 49.5		0.8	7	
MAR	10	USCGS	01 43 55.6, 56.1N, 34.7W, H = 33 Km, M = 4.7					
		N ATLANTIC OCEAN						
		LPB	eP	01 55 45.5				77.5
			eL	02 30				
		PNS	P	01 55 49.5		1.5	30	
			eL	02 30				
MAR	10	USCGS	01 54 17.5, 32.4N, 137.7E, H = 377 Km, M = 4.4					
		S OF HONSHU, JAPAN						
		LPB	ePKP	02 13 06.5				151.4
			eL	03 05				
		PNS	PKP	02 13 31.0		0.7	3	
MAR	10	LPB	e(P)	02 21 21				
		PNS	P	02 21 23.4		0.8	3	
MAR	10	USCGS	02 20 35.4, 42.0N, 110.2W, H = 33 Km, M = 3.6					
		WYOMING						
		LPB	eL	02 54				69.9
		PNS	eL	02 54				
MAR	10	PNS	eP	03 39 38.6				
		LPB	eP	03 39 27				
MAR	10	LPB	P	04 35 28		1.2	22	
			e(S)	43 08				
		PNS	P	04 35 29.4		0.9	12	3.5
			eS	36 10.8				
MAR	10	USCGS	04 37 18.8, 56.2N, 34.7W, H = 33 Km, M = 4.2					
		N ATLANTIC OCEAN						
		PNS	eL	05 14.1				77.9
MAR	10	USCGS	04 54 54.8, 56.1N, 34.9W, H = 33 Km, M = 4.4					
		N ATLANTIC OCEAN						
		PNS	eP	05 06 51				
		LPB	eL	05 32				77.9
MAR	10	USCGS	07 21 51.5, 56.3N, 34.7W, H = 33 Km, M = 4.3					
		N ATLANTIC OCEAN						
		LPB	eP	07 33 38				77.9
			eL	59				
		PNS	eP	07 33 49				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	1[illegible]	USCGS	10 02 47.0, 10.7S, 166.3E, H = 30 Km, M = 5.0					
		SANTA CRUZ IS						
		PNS	ePKP	10 21 41				119.8
			L	11 00				
MAR	10	USCGS	10 [illegible].8, 17.8S, 178.6W, H = 517 Km, M = 4.2					
		FIJI IS REG						
		LPB	eP	10 26 33				103.2
			eL	11 02				
		PNS	P	10 27 45.2				
MAR	10	USCGS	11 14 [illegible]8.0, 56.0N, 34.7W, H = 33 Km, M = 4.6					
		[illegible] ATLANTIC OCEAN						
		[illegible]	eP	11 26 33				
			eL	52				
		LPB	eL	11 51				77.9
MAR	10	LPB	eP	12 11 15				
		PNS	P	12 11 16		1.6	35	
			i	25.1				
			L	28.9				
MAR	10	LPB	eP	12 58 27		0.9	21	
		PNS	P	12 58 29.0		0.8	14	2.8
			eS	59 02				
MAR	10	LPB	eP	13 27 33				
		PNS	eP	13 27 36				3.8
			iPP	47.8				
			eS	28 20				
MAR	10	PNS	P	13 30 36.6		0.6	3	2.1
			S	31 01.5				
MAR	10	USCGS	13 12 15.7, 10.8S, 166.5E, H = 33 Km, M = 4.8					
		SANTA CRUZ IS						
		LPB	ePKP	13 31 06				119.8
			eL	14 09				
		PNS	eL	14 09				
MAR	10	USCGS	14 16 26.8, 34.4N, 137.6E, H = 311 Km, M = 4.5					
		NEAR S CST OF HONSHU, JAPAN						
		LPB	ePKP	14 35 37				159.7
			eL	15 31				
		PNS	PKP	14 35 45.9		0.8	7	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	10	LPB	eP	16 01 39.5		0.6	14	
		PNS	eP	16 01 55.6				
MAR	10	PNS	P	17 03 53.7		0.5	8	3.2
			S	04 30.4				
		LPB	eP	17 04 00				
MAR	10	USCGS	20 46 33.6, 55.9N, 34.6W, H = 33 Km, M = 4.7					
		N ATLANTIC OCEAN						
		LPB	eP	20 58 07				77.4
			eL	21 23				
		PNS	eP	20 58 26				
			eS	21 08 10				
			eL	23.1				
MAR	10	PNS	P	21 59 35.8				
		LPB	P	21 59 36.7		0.6	10	
MAR	10	USCGS	21 57 38.9, 41.1N, 142.1E, H = 68 Km, M = 4.0					
		HOKKAIDO, JAPAN REG						
		LPB	ePKP	22 17 05				144.2
			eL	23 06				
		PNS	eL	23 06				
MAR	11	USCGS	00 14 44.1, 55.8N, 34.7W, H = 33 Km, M = 4.5					
		N ATLANTIC OCEAN						
		LPB	eP	00 26 31				77.4
			eL	52				
		PNS	eP	00 26 37				
MAR	11	PNS	P	01 24 59.1		0.5	3	2.0
			S	25 23.6				
		LPB	eP	01 25 00		0.4	10	
MAR	11	LPB	eP	02 32 16		0.9	3	
		PNS	P	02 32 18.3		0.8	5	
MAR	11	USCGS	03 05 24.3, 55.9N, 34.5W, H = 33 Km, M = 4.7					
		N ATLANTIC OCEAN						
		LPB	eP	03 17 16.5				77.4
			eL	43				
		PNS	P	03 17 18.6				
			eL	42.6				
MAR	11	PNS	iP	04 56 28.8	D	0.4	5	1.9
			S	51.6				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	11	PNS	eP	04 57 15.8				5.0
			eS	58 14				
		LPB	P	04 57 17.5		0.6	4	5.0
			eS	58 15.5				
MAR	11	PNS	L	43.6				
		LPB	eL	45				
MAR	11	LPB	eP	06 37 52.5				
		PNS	eP	06 37 53.8				
MAR	11	USCGS	06 31 09.0, 36.4N, 70.7E, H = 220 Km, M = 5.0					
		HINSU KUSH REG						
		LPB	ePKP	06 50 06				138.8
			eL	07 37				
		PNS	ePKP	06 50 11.6				
			eL	07 36.5				
MAR	11	USCGS	08 33 27.4, 10.7S, 166.2E, H = 49 Km, M = 6.1					
		SANTA CRUZ IS						
		PNS	PKP	08 52 14.7		1.1	23	
			PS	09 03 35				
			iSS	10 25				
			G	22 37				
			L	29.8				
		LPB	PKP	08 52 15		1.2	28	119.9
			PP	53 36				
			PS	09 03 27				
			eL	30				
MAR	11	USCGS	08 41 55.2, 25.7S, 71.1W, H = 33 Km, M = 4.2					
		OFF CST OF N CHILE						
		PNS	eP	08 44 14.6		0.6	3	
			PP	28				
			L	45.9				
		LPB	eP	08 44 17.5				9.9
			ePP	26.5				
MAR	11	LPB	eP	09 10 24.2				
			i	41.3				
		PNS	eP	09 10 24.9				2.3
			eS	53				
MAR	11	LPB	P	09 54 06.5		1.2	31	
MAR	11	LPB	eP	10 07 58				
		PNS	eP	10 07 59.3				
			i	08 25.8				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	11	PNS	iP	10 34 01.6	D	0.7	6	2.1
			S	27				
		LPB	P	10 34 01.8		0.7	8	2.1
			S	27.3				
MAR	11	PNS	P	10 35 22.0	D			2.2
			S	48				
MAR	11	LPB	eP	11 56 23				
			eL	12 12				
		PNS	P	11 56 26.4				
			eL	12 12				
MAR	11	USCGS	13 34 25.9, 55.8N, 34.4W, H = 33 Km, M = 4.4					
		N ATLANTIC OCEAN						
		LPB	eP	13 46 14.2				77.4
			eL	14 41				
		PNS	eP	13 46 18.5				
			eL	14 11.1				
MAR	11	PNS	iP	13 51 06.1	D	1.0	14	7.4
			eS	52 30				
		LPB	P	13 51 03.6		1.0	20	
MAR	11	USCGS	13 56 01.9, 11.1N, 69.6W, H = 28 Km, M = 3.9					
		NR CST OF VENEZUELA						
		LPB	eL	14 10				28.1
		PNS	P	14 01 51.2				
			e	10				
MAR	11	USCGS	14 06 43.8, 55.6N, 33.9W, H = 33 Km, M = 4.4					
		N ATLANTIC OCEAN						
		LPB	eP	14 18 36				77.4
			eL	44				
MAR	11	PNS	iP	14 22 00.6		0.5	4	3.2
			S	37.2				
MAR	11	USCGS	14 44 59.2, 19.1N, 25.8W, H = 33 Km, M = 5.5					
		VERA CRUZ, MEXICO						
		PNS	iP	14 53 09.2	C	1.4	3	
			iPP	55 00				
			iS	59 45				
			iSS	15 03 05				
			iG	05 55				
			L	06.5				
		LPB	P	14 53 12		1.2	13	45.0
			pP	25.5				
			PP	59.9				
			S	59 45				
			SS	15 03 08				
			eG	05				
			eL	07				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	11	PNS	P	16 36 06.0		0.6	7	3.1
			eS	42.5				
		LPB	P	16 36 13		1.0	18	
MAR	11	USCGS	16 56 48.7, 28.4N, 94.4E, H = 7 Km, M = 5.3					
		INDIA-CHINA BOR REG						
		LPB	ePKP	17 16 25				159.7
			eL	18 12				
		PNS	ePKP	17 16 41				
			L	18 12.6				
MAR	11	USCGS	18 15 19.4, 56.1N, 35.1W, H = 33 Km, M = 4.7					
		N ATLANTIC OCEAN						
		LPB	eP	18 27 08				77.6
			eL	52				
		PNS	eP	18 27 10				
			eL	52				
MAR	11	LPB	eP	19 05 30				
		PNS	eP	19 05 37.6				
MAR	11	USCGS	19 33 48.1, 19.6N, 39.0E, H = 33 Km, M = 4.9					
		RED SEA						
		PNS	ePKP	19 52 21.6				
			eL	20 26.2				
		LPB	ePKP	19 52 22				111.3
			eL	20 26				
MAR	11	USCGS	19 38 21.5, 19.7N, 38.9E, H = 33 Km, M = 5.2					
		RED SEA						
		PNS	L	20 30.9				
		LPB	eL	20 31				111.3
MAR	11	PNS	P	20 21 08.0	D	0.7	5	
MAR	11	PNS	P	21 24 57.0		0.9	19	
		LPB	P	21 24 57.5		0.9	14	
MAR	11	LPB	P	23 34 51.5		0.6	3	
MAR	12	USCGS	00 53 05.8, 19.0S, 175.0W, H = 66 Km, M = 4.4					
		TONGA IS						
		LPB	eL	01 40				99.4

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	12	USCGS	01 23 49.5, 51.1N, 157.9E, H = 21 Km, M = 5.2					
		NR E CST OF KAMCHATKA						
		LPB	ePKP	01 42 54				130.0
			eL	02 25				
		PNS	PKP	01 42 59.0		1.3	13	
			eL	02 25.4				
MAR	12	LPB	eP	03 05 01		0.8	4	
MAR	12	USCGS	02 51 54.7, 42.6N, 143.0E, H = 33 Km, M = 5.3					
		HOKKAIDO, JAPAN REG						
		PNS	ePKP	03 11 25				
		LPB	ePKP	03 11 28.5				142.8
			eL	59				
MAR	12	LPB	P	03 41 21.0				
			i	24.5				
			(S)	42 00				
MAR	12	LPB	P	03 44 47.2				0.1
			S	52				
MAR	12	PNS	eP	04 35 46				
		LPB	eP	04 35 57				
MAR	12	PNS	P	05 05 38.9		0.9	5	3.8
			S	06 24.6				
		LPB	P	05 05 39.5		0.8	15	
			i	46.7				
MAR	12	USCGS	05 19 00.2, 19.0N, 65.1W, H = 33 Km, M = 3.9					
		PUERTO RICO REG						
		LPB	P	05 25 53.5		0.6	3	35.7
			eL	36				
		PNS	P	05 25 55.5				
MAR	12	LPB	P	09 06 00.4		0.5	13	
			i	01.8				
MAR	12	PNS	P	10 40 48.2				1.9
			S	41 10				
MAR	12	USCGS	10 49 48.6, 28.3S, 28.3S, 70.4W, H = 31 Km, M = 4.5					
		CENTRAL CHILE						
		LPB	eP	10 52 40.6		1.0	10	11.9
			i	47				
			eS	54 55				
			eL	56.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	eP	10 52 41.3				
			i	46.6				
			eS	54 45				
			eL	55.4				
MAR	12	LPB	iP	11 08 01.2		0.6	66	5.9
			S	09 08.5				
MAR	12	LPB	eP	11 10 44		0.8	10	2.4
			S	11 13				
		PNS	iP	11 10 45.3	D	0.5	10	2.4
			S	11 14				
MAR	12	LPB	iP	11 34 07	C	0.7	22	0.5
			S	13				
MAR	12	LPB	iP	13 14 54.5	C	0.5	4	
MAR	12	LPB	P	13 28 32		0.4	19	0.1
			i	34.2				
			iS	36				
MAR	12	LPB	iP	13 58 17.5		0.4	56	0.4
			iS	25				
MAR	12	LPB	iP	14 57 36.5		0.4	42	
MAR	12	PNS	P	15 07 32	D	0.6	4	1.8
			iS	54				
MAR	12	USCGS	18 56 47.9, 24.9S, 68.9W, H = 92 Km, M = 4.5					
		CHILE ARGENTINA BOR REG						
		LPB	P	18 58 49.5		0.8	16	8.1
			iPg	59 34.7				
		PNS	iP	18 58 52.4	C	0.9	36	
			iPg	59 39.2				
			iS	19 00 20				
MAR	12	LPB	e(P)	20 01 39				
			eL	24				
		PNS	eL	20 34				
MAR	12	LPB	P	20 27 57.5		0.7	20	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	12	USCGS	21 22 19.2, 28.2N, 111.6W, H = 33 Km, M = 4.6					
		GULF OF CALF						
		PNS	eP	21 32 27				
		LPB	eP	21 31 32				61.1
			eL	21 51				
MAR	13	USCGS	00 32 10.0, 6.5S, 155.9E, H = 164 Km, M = 4.9					
		SOLOMON IS						
		LPB	ePKP	00 51 06				131.2
			eL	01 34				
MAR	13	USCGS	00 59 04.7, 3.0N, 74.5W, H = 90 Km, M = 4.3					
		COLOMBIA						
		LPB	eP	01 03 29				20.6
			pP	47.3				
			PP	54				
			eL	09.5				
		PNS	eP	01 03 32.5				
			PP	55.6				
			i	09 30				
MAR	13	LPB	eP	01 44 23				
		PNS	eP	01 44 23				
MAR	13	LPB	eP	02 17 05				
		PNS	eP	02 17 11				
MAR	13	USCGS	03 07 57.4, 23.7S, 68.2N, H = 123 Km, M = 4.1					
		N CHILE						
		LPB	P	03 09 41.7		0.5	10	7.0
			eS	10 38				
		PNS	P	03 09 45.2		0.9	8	
			S	10 41.8				
MAR	13	USCGS	04 53 30.0, 3.2S, 147.6E, H = 33 Km, M = 4.9					
		BISMARCK SEA						
		PNS	ePKP	05 12 52.5				
			eL	05 59.6				
		LPB	ePKP	05 12 54.5				139.5
			eL	59				
MAR	13	LPB	iP	07 14 36.8	C	1.0	200	5.1
			i	45				
			S	15 36				
		PNS	iP	07 14 40.9	C	0.6	54	5.5
			S	15 44				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER.	AMPL	DIST
MAR	13	LPB	eP	07 23 24				
			eL	08 02				
MAR	13	USCGS	07 28 05.7, 19.7N, 38.8E, H = 41 Km, M = 5.3					
		RED SEA						
		PNS	ePKP	07 46 41				
			eSS	08 03				
			eL	21				
		LPB	eL	08 21				111.1
MAR	13	PNS	eP	08 06 33	C	0.8	8	3.4
			i	34				
			S	07 12.6				
		LPB	eP	08 06 35				4.0
			S	07 22.5				
MAR	13	USCGS	08 10 56.3, 19.6N, 38.9E, H = 33 Km, M = 5.0					
		RED SEA						
		LPB	ePKP	08 29 29				111.1
			eL	09 09				
		PNS	L	09 10.1				
MAR	13	PNS	iP	09 58 28.2	D	0.6	39	2.2
			iS	54.7				
		LPB	iP	09 58 31.7		0.9	44	2.7
			S	59 04				
MAR	13	USCGS	11 46 28.5, 19.7N, 39.1E, H = 33 Km, M = 5.0					
		RED SEA						
		LPB	ePKP	12 04 54				111.1
			eL	40				
		PNS	PKP	12 04 57.4		0.9	10	
			eL	35.6				
MAR	13	USCGS	14 44 07.2, 53.7N, 165.4W, H = 33 Km, M = 5.2					
		FOX IS, ALEUTIAN IS						
		LPB	eL	15 35				107.1
		PNS	eL	15 35.4				
MAR	13	LPB	P	15 58 22				
		PNS	P	15 58 26.1		1.5	47	
			i	32.9				
MAR	13	USCGS	16 06 54.3, 40.1S, 74.5W, H = 33 Km, M = 6.0					
		OFF CST OF S CHILE						
		LPB	P	16 12 10	D	1.2	263	24.3
			S	16 31.8				
			ScS	23 18				
			eL	18.9				
		PNS	iP	16 12 13.8	D	1.1	150	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
			S	16 33				
			ScS	23 17.2				
			eL	18.4				
MAR	13	PNS	P	16 33 44.6		0.6	3	
			i	57.7				
		LPB	eP	16 33 47.5				
MAR	13	USCGS	17 27 11.3, 3.6N, 126.5E, H = 63 Km, M = 5.4					
		TALAUD IS						
		LPB	ePKP	17 46 45				161.1
		PNS	ePKP	17 47 09.8		1.5	16	
			iPKP2	51.4				
			SS	18 11 56				
			L	41.8				
MAR	13	USCGS	17 43 23.5, 37.6N, 22.6E, H = 89 Km, M = 4.5					
		S GREECE						
		PNS	eL	18 31.5				100.8
MAR	13	LPB	eP	18 55 02				
MAR	13	USCGS	19 01 01.4, 3.6N, 126.5E, H = 35 Km, M = 5.4					
		TALAUD IS						
		PNS	ePKP	19 21 02				
			SS	45 50				
		LPB	ePKP	19 21 04		1.0	14	161.1
			eL	20 17				
MAR	13	USCGS	19 22 15.4, 19.7N, 38.9E, H = 7 Km, M = 5.8					
		RED SEA						
		LPB	ePKP	19 40 40		2.4	126	111.3
			ePP	41 27.5				
			eL	20 15				
		PNS	ePKP	19 40 52				
			e	41 26.1				
			iPS	51 08.0				
			eSS	57 07				
			L	20 15.7				
MAR	13	LPB	P	20 08 38				
		PNS	eP	20 08 39.6				
			e(S)	09 55				
MAR	13	USCGS	20 08 25.7, 24.2S, 70.4W, H = 78 Km, M = 4.6					
		NR CST OF N CHILE						
		LPB	eP	20 10 09		1.0	14	8.
			iPP	22				
			ePn	32				
			eS	11 48				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	iP	20 10 23.0	C	0.7	9	
			iPP	33.2				
			iS	11 48.0				
MAR	13	LPB	P	20 31 54		0.8	13	
		PNS	P	20 31 58.1		0.5	4	6.0
			eS	33 07				
MAR	13	USCGS	20 50 30.8, 56.4N, 35.2W, H = 33 Km, M = 4.6					
		N ATLANTIC OCEAN						
		LPB	eP	21 02 23.5				77.5
			eL	27				
		PNS	eL	21 26.9				
MAR	13	LPB	eP	21 06 19.5		1.0	20	
			e	35				
		PNS	P	21 06 24		0.8	5	
MAR	13	USCGS	21 26 07.0, 40.3N, 141.1E, H = 105 Km, M = 4.2					
		NR E CST OF HONSHU, JAPAN						
		LPB	ePKP	21 45 32				145.5
			eL	22 33				
		PNS	ePKP	21 45 34.4				
			eL	22 33.3				
MAR	13	USCGS	21 44 03.6, 82.2N, 39.7E, H = 11 Km, M = 4.4					
		FRANZ JOSEF LAND						
		LPB	eL	22 35				108.9
		PNS	eL	22 35.9				
MAR	13	USCGS	22 09 45.4, 18.2S, 69.4W, H = 137 Km, M = 4.0					
		N CHILE						
		LPB	iP	22 10 21	D			2.4
			S	46.7				
		PNS	iP	22 10 21.8	D	0.9	423	
			S	48				
		CHA	iP	22 10 22.2	D			
MAR	13	LPB	eP	22 54 54.5		0.8	17	
MAR	13	LPB	P	22 43 38		1.0	20	
MAR	14	PNS	P	01 28 07.1	C	0.8	5	4.0
			S	53.6				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	14	USCGS	02 56 03.7, 4.4N, 82.6W, H = 45 Km, M = 4.3 S OF PANAMA					
		PNS	P	03 01 23.1		1.0	18	
			eL	08.9				
		LPB	P	03 01 26.6		1.0	18	25.1
MAR	14	PNS	P	03 08 49.3				
		LPB	P	03 09 07.7		0.9	8	
MAR	14	LPB	eP	03 51 13		1.0	4	
MAR	14	LPB	eP	04 51 31				
MAR	14	PNS	e(P)	05 31 06				
			eL	40.6				
		LPB	eP	05 31 08.5				
			eL	05 41				
MAR	14	USCGS	06 58 04.6, 28.4N, 94.3E, H = 24 Km, M = 5.9 INDIA-CHINA BOR REG					
		PNS	ePKP	07 18 04.6		2.0	62	
			ePP	22 23.9				
			SKKS	29 18				
			SS	42 39				
			L	08 13.9				
		LPB	PKP	07 18 05.7		1.6	39	159.8
			ePKP2	43.5				
			eSS	45 16				
			eL	08 14				
MAR	14	USCGS	07 50 19.3, 82.5N, 36.2E, H = 33 Km, M = 4.7 FRANZ JOSEF LAND					
		LPB	P	08 03 41.5				109.0
MAR	14	LPB	P	08 22 51.5		0.7	6	
MAR	14	PNS	P	09 03 19				
		LPB	eP	09 03 24				
MAR	14	LPB	eP	09 12 19				
		PNS	P	09 12 20.5	D	0.7	5	4.6
			eS	13 13.6				
MAR	14	USCGS	11 39 14.7, 19.4N, 146.9E, H = 62 Km, M = 4.5 MARIANA IS REG					
		LPB	ePKP	11 58 46				138.5
			eL	12 45				
		PNS	ePKP	11 58 52		0.9	6	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	14	LPB	P	12 54 33		1.0	44	
		PNS	P	12 54 34.7		0.8	75	5.0
			S	55 32				
MAR	14	PNS	eP	13 21 48.8				
		LPB	eP	13 21 49				
MAR	14	LPB	eP	13 45 25				
		PNS	P	13 45 32.3				
MAR	14	USCGS	14 35 11.8, 36.5N, 70.6E, H = 193 Km, M = 4.8					
		HINDU KUSH REGION						
		LPB	ePKP	14 54 11				138.6
			eL	15 41				
MAR	14	PNS	P	16 33 49.2		0.6	3	
MAR	14	PNS	eP	17 55 05.7				
		LPB	eP	17 55 07				
MAR	14	LPB	eP	20 24 42				
			(S)	25 04.3				
MAR	14	USCGS	21 52 05.3, 19.4N, 38.7E, H = 33 Km, M = 4.6					
		RED SEA						
		LPB	eP	22 10 22				110.4
			eL	45				
MAR	14	USCGS	23 24 47.8, 23.0S, 178.7E, H = 650 Km, M = 4.9					
		S OF FIJI IS						
		PNS	eSS	23 56 20				
			L	00 12.1				
		LPB	eL	00 13				103.9
MAR	14	LPB	eP	00 47 41.5		0.8	41	
MAR	15	LPB	eP	01 16 43				
		PNS	P	01 16 51.8				2.5
			S	17 21.7				
MAR	15	PNS	P	01 25 26.1		1.0	10	
		LPB	P	01 25 30.5		1.0	12	
MAR	15	PNS	P	01 55 32		0.6	3	
		LPB	eP	01 55 39.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	15	PNS	eP	02 01 15				3.2
			S	53				
		LPB	P	02 01 44.2		0.6	8	
MAR	15	PNS	eP	02 06 18.8				
		LPB	eP	02 06 22				
MAR	15	PNS	iP	05 24 11.1	C	0.8	22	2.0
			S	35.6				
MAR	15	USCGS	06 39 59.8, 18.9S, 169.3E, H = 253 Km, M = 4.9					
		NEW HEBRIDES IS						
		LPB	ePKP	06 57 50.5				113.0
			eL	07 32				
MAR	15	PNS	P	13 09 42.4		0.9	12	
		LPB	eP	13 09 43				
MAR	15	PNS	eP	14 23 44.7				10.9
			eS	25 47				
		LPB	eP	14 23 45.5				
MAR	15	USCGS	16 25 59.0, 30.6N, 50.8E, H = 43 Km, M = 5.0					
		IRAN						
		LPB	eP	16 40 06.5				105.9
			eL	59				
MAR	15	LPB	eP	18 05 21.5				
			e	45				
			eL	17.5				
		PNS	P	18 05 45		0.6	4	
			eL	18.3				
MAR	15	PNS	P	20 41 23.4		0.7	1	5.0
			eS	42 20				
		LPB	P	20 41 28.5		1.1	20	
		SCS	P	20 41 30.3				
MAR	15	PNS	iP	21 10 50.3	C	0.6	3	
MAR	15	LPB	eP	21 17 47.5				2.8
			iS	18 20.5				
		SCS	P	21 17 48.8				
		PNS	P	21 17 54.9				3.1
			S	18 31				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	15	USCGS	22 02 09.5, 59.5S, 26.1W, H = 33 Km, M = 5.7					
		S SANDWICH IS REG						
		SCS	P	22 11 17.2				
		LPB	P	22 11 23		1.6	227	52.3
			PP	13 23.5				
			S	18 47				
			eL	27.7				
		PNS	iP	22 11 25.8	D	1.5	98	
			iPP	13 26				
			S	18 55				
			G	23 40				
			eL	28.6				
		CHA	iP	22 11 29.3	D			
MAR	15	LPB	eP	22 33 17		0.9	14	13.5
			ePP	30.5				
			S	35 47				
		PNS	P	22 33 18.2		0.9	14	13.0
			S	35 42				
		SCS	eP	22 33 33.3				
MAR	15	PNS	iP	22 42 14.3	D	0.9	150	2.7
			iS	46				
		LPB	iP	22 42 19		0.9	41	3.0
			S	54.4				
		CHA	iP	22 42 22.1	D			
		SCS	iP	22 42 26.6	D			
MAR	16	PNS	iP	00 10 09.1	C	0.4	23	
			iS	12				
		LPB	P	00 10 16.7				
MAR	16	LPB	eP	01 11 28				
		PNS	eP	01 11 29.4				
MAR	16	SCS	P	02 20 14.3				
		LPB	eP	02 20 26		0.6	6	
		PNS	iP	02 20 29.2	C	0.8	5	7.2
			S	21 51.6				
MAR	16	LPB	eP	02 29 53				
		PNS	eP	02 29 54				
MAR	16	LPB	eP	03 09 36.2		0.8	4	
MAR	16	USCGS	03 11 59.0, 19.5N, 38.9E, H = 33 Km, M = 5.4					
		RED SEA						
		LPB	ePKP	03 30 31				111.1
			eL	04 04				
		PNS	ePKP	03 30 33.8				
			eSS	45 44				
			eL	04 09				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	16	USCGS	03 19 34.7, 3.0S, 136.3E, H = 64 Km, M = 4.8					
		W NEW GUINEA						
		SCS	PKP	03 39 10.1				
		LPB	PKP	03 39 17.6		0.9	12	149
			eL	04 30				
		PNS	PKP	03 39 19.8	C	0.9	18	
MAR	16	PNS	iP	05 31 21.9	D	0.4	21	2.0
			S	45.8				
MAR	16	SCS	P	05 33 44.8	C			
		LPB	P	05 33 53.2		0.9	14	
		PNS	iP	05 33 53.8	C	0.8	6	3.4
			eS	34 33.4				
MAR	16	SCS	P	06 13 37.0				
		LPB	P	06 13 43.2		0.8	13	
		PNS	P	06 13 45.9		0.9	11	
MAR	16	PNS	P	06 23 23.7				4.3
			S	24 13.8				
MAR	16	SCS	eP	09 31 10.1				
		LPB	eP	09 30 54				
			e	58.5				
		PNS	eP	09 30 59.6				37.5
			eS	36 47				
MAR	16	SCS	eP	10 17 17.3				
		LPB	eP	10 17 28				
		PNS	eP	10 17 30				
MAR	16	PNS	eP	10 50 45				
		LPB	eP	10 50 47.5				
MAR	16	LPB	eP	12 20 12				
			eL	12 43				
		PNS	eP	12 20 22				
			e	58				
			i	21 14				
		SCS	P	12 20 38.3				
MAR	16	USCGS	12 09 37.7, 22.1S, 170.5E, H = 66 Km, M = 5.4					
		LOYALTY IS REG						
		LPB	ePKP	12 29 07.5				111
			L	13 01.4				
		PNS	iSS	13 44 21				
			G	55.7				
			L	13 01.9				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	16	USCGS BURMA	12 13 20.6, 26.9N, 96.6E, H = 6 Km, M = 4.9					
		PNS	PKP	12 33 21.6		1.0	6	
			eL	13 30.3				162.4
		LPB	ePKP	12 33 22				
			L	13 30				
		SCS	ePKP	12 33 24.5				
MAR	16	USCGS OFF CST OF N CHILE	13 26 33.5, 25.5S, 71.1W, H = 33 Km, M = 4.7					
		LPB	eP	13 28 37		1.0	16	
		PNS	P	13 28 51.1		1.2	9	
		SCS	eP	13 28 59.2				
MAR	16	LPB	eP	14 29 02.5		0.6	7	
MAR	16	USCGS RED SEA	14 45 12.6, 19.7N, 38.9E, H = 33 Km, M = 5.1					
		LPB	ePKP	15 13 48.5				111.1
			eL	48				
		PNS	L	15 48.1				
MAR	16	USCGS S BOLIVIA	15 16 54.5, 21.4S, 67.0W, H = 223 Km, M = 4.3					
		SCS	iP	15 18 00	D			
		LPB	iP	15 18 11.7		0.5	462	5.2
			S	19 00.5				
MAR	16	LPB	eL	15 47				
MAR	16	USCGS RED SEA	16 00 16.0, 19.8N, 38.9E, H = 33 Km, M = 5.0					
		LPB	ePKP	16 18 50.5				111.1
			eL	53				
		PNS	ePKP	16 18 51				
			L	53				
MAR	16	USCGS NEW HEBRIDES IS	17 33 07.5, 13.6S, 170.7E, H = 637 Km, M = 4.8					
		PNS	PKP	17 50 39		1.0	15	
			L	18 26.2				114.3
		LPB	ePKP	17 50 40		1.1	12	
			eL	18 26				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	16	SCS	P	17 58 23.4				
		LPB	eP	17 58 25				
		PNS	P	17 58 26.0		0.8	6	
			e	59 33				
MAR	16	USCGS	18 01 57.3, 42.2N, 137.4E, H = 299 Km, M = 4.6					
		E SEA OF JAPAN						
		PNS	PKP	18 21 04.8	C	1.1	28	
		LPB	ePKP	18 21 05.5		1.4	36	146.4
		SCS	PKP	18 21 06.0	D			
MAR	16	USCGS	18 57 52.9, 33.8S, 70.6W, H = 103 Km, M = 4.2					
		CHILE-ARGENTINA BOR REG						
		SCS	eP	19 01 32.2				
		LPB	eP	19 01 48				16.8
		PNS	P	19 01 51.2		1.0	17	
MAR	16	USCGS	19 02 08.4, 10.7S, 166.3E, H = 39 Km, M = 5.0					
		SANTA CRUZ IS						
		LPB	eL	19 59				119.7
MAR	16	SCS	iP	19 55 07.2	D			
		LPB	iP	19 55 20.0	C	1.0	430	3.2
			iS	57.2				
		PNS	iP	19 55 21.4	C	0.8	213	3.1
			iPPP	40.6				
			S	57				
MAR	16	LPB	eP	20 21 54				
		PNS	P	20 21 55.6	D	0.8	11	
		SCS	P	20 21 57.2				
MAR	16	USCGS	23 03 55.9, 13.7S, 167.0E, H = 23 Km, M = 5.0					
		NEW HEBRIDES IS						
		LPB	ePKP	23 22 30				117.9
			eL	24 00				
		PNS	eL	00 00				
MAR	17	SCS	iP	01 28 59.0	C			
		LPB	iP	01 29 11.7	C	0.7	60	4.8
			S	30 07				
		PNS	iP	01 29 15.1	C	0.6	1188	4.5
			eS	30 07.4				
MAR	17	USCGS	02 22 37.9, 42.0N, 142.5E, H = 57 Km, M = 4.7					
		HOKKAIDO, JAPAN REG						
		PNS	ePKP	02 42 08		1.3	11	
			eL	03 34.4				
		LPB	ePKP	02 42 15				152.4
			eL	03 34				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	17	PNS	iP	03 32 18.4	C	0.8	8	
		SCS	P	03 32 02.6				
		LPB	eP	03 32 20				
MAR	17	LPB	P	06 20 06.0		0.5	14	
MAR	17	LPB	eP	06 33 09				
		PNS	iP	06 33 09.4	C	0.5	8	4.9
			S	34 05				
MAR	17	USCGS	06 47 40.9, 53.6N, 165.3W, H = 44 Km, M = 4.4					
		FOX IS ALEUTIAN IS						
		PNS	eP	07 01 49				
			eL	07 38.7				
		LPB	eL	07 39				107.2
MAR	17	PNS	P	07 58 04.0	C	0.7	5	1.9
			S	26.6				
MAR	17	LPB	eP	08 41 53				
		PNS	P	08 41 55.5				
MAR	17	USCGS	07 43 34.8, 36.2N, 141.5E, H = 48 Km, M = 3.9					
		NR E CST OF HONSHU, JAPAN						
		PNS	ePKP	08 03 22				
			L	53.9				
		LPB	ePKP	08 03 22.7				150.7
			eL	54				
MAR	17	LPB	eP	09 33 45		1.0	16	
MAR	17	SCS	eP	10 17 42.5				
		PNS	P	10 17 46.0		0.9	10	
		LPB	eP	10 17 46.5		0.8	6	
MAR	17	USCGS	11 17 18.6, 21.2S, 67.7W, H = 189 Km, M = 4.2					
		CHILE-BOLIVIA BOR REG						
		LPB	iP	11 18 30.3	C	0.6	560	5.0
			eS	19 25				
		PNS	iP	11 18 34.2	C			
			S	19 30.3				
MAR	17	USCGS	11 24 45.7, 3.6S, 150.9E, H = 33 Km, M = 5.4					
		NEW IRELAND REGION						
		PNS	PKP	11 43 57.6		1.6	39	
			iPKP2	44 12.6				
			SKS	51 09				
			iSS	12 05 05.0				
			SSS	10 22				
			G	20.9				
			L	29.7				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		LPB	ePKP	11 44 06.5				136.8
			ipPKP	17.2				
			eSS	12 05 03				
			G	21				
			L	29.6				
		SCS	ePKP	11 44 08.4				
MAR	17	USCGS SOLOMON IS	13 48 14.4, 7.9S, 155.5E, H = 32 Km, M = 5.3					
		PNS	PKP	14 07 26.8		1.0	11	
			PKS	10 51.1				
			L	50.4				
		LPB	PKP	14 07 27		1.0	14	130.5
			ePP	10 20				
			eL	50				
MAR	17	SCS	eP	15 13 18.1				
MAR	17	TRJ	eP	15 53 02.3	D			2.6
			iS	53 33.2				
MAR	17	LPB	eP	16 33 57				
		PNS	P	16 33 58.4		0.5	5	
		SCS	eP	16 33 59.4				
MAR	17	LPB	eP	16 55 43				
MAR	17	USCGS S ALASKA	17 06 09.1, 61.3N, 150.0W, H = 47 Km,					
		LPB	eP	17 19 15				100.6
			eL	55				
		PNS	L	17 54.1				
MAR	17	LPB	eP	21 21 14				
		PNS	P	21 21 29.1				
			i	46				
MAR	17	LPB	eP	21 46 47.5		1.4	31	
MAR	17	LPB	eP	22 37 59.5		1.0	30	
MAR	17	PNS	P	22 58 12.1	D	0.6	5	1.9
			S	35				
MAR	17	PNS	P	23 04 56.4		0.5	2	3.4
			S	05 37				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	17	SCS	eP	23 30 58.6				
		LPB	eP	23 31 19				
		PNS	P	23 31 20.4		0.8	7	
MAR	17	LPB	eP	00 18 40		1.0	10	
MAR	17	LPB	eP	00 34 46.5				
		PNS	P	00 34 48		0.8	4	
MAR	17	LPB	eP	02 06 26		0.7	4	
MAR	18	PNS	P	02 52 22.4	C	0.8	8	3.5
			S	53 03				
		LPB	P	02 52 34.5		0.9	8	
			i	53 17.5				
MAR	18	PNS	P	03 12 13.2	D	0.6	9	1.9
			S	35.8				
MAR	18	PNS	P	03 17 43.2	D	0.6	6	1.8
			S	18 05.6				
MAR	18	PNS	P	03 40 05.3	C	0.5	2	4.3
			eS	55				
MAR	18	LPB	eP	04 25 42				4.0
			S	26 28.3				
		PNS	iP	04 25 47.3	D	0.7	10	
MAR	18	LPB	P	04 27 12.5		0.8	7	2.8
			S	45.3				
		PNS	iP	04 27 13.6	C	0.5	8	2.7
			S	45.6				
MAR	18	PNS	P	04 29 45.1				3.9
			eS	30 30				
		LPB	eP	04 29 46				
MAR	18	PNS	P	04 36 18.0	C	0.8	4	
			e(S)	37 10				
		TRJ	iP	04 36 17.5	D			
			iS	57.3				
		LPB	P	04 36 35.6		0.8	9	
MAR	18	PNS	eP	04 46 10				
		LPB	eP	04 46 12				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	18	PNS	P	04 56 54.5		0.7	6	4.4
			i	57 05.4				
			S	45.8				
		LPB	P	04 57 07.5		0.6	7	4.5
			eS	58 00				
MAR	18	PNS	P	05 07 08				4.3
			eS	58				
		LPB	eP	05 07 25.5		0.8	4	
MAR	18	PNS	P	06 00 10.2	D	0.6	6	4.5
			eS	01 02				
MAR	18	LPB	eP	07 20 19		0.8	3	
MAR	18	USCGS	07 33 27.3, 25.6S, 71.1W, H = 33 Km, M = 4.7					
		OFF CST N CHILE						
		LPB	eP	07 35 45		0.8	6	9.4
		PNS	P	07 35 46.2	D	0.5	4	
			L	38.3				
MAR	18	USCGS	09 27 42.7, 20.7S, 179.4W, H = 650 Km, M = 4.9					
		FIJI IS REG						
		LPB	eL	10 15				102.8
		PNS	eL	10 15.4				
MAR	18	TRJ	eP	10 04 15.3				
		LPB	eP	10 04 06				
			e	33				
		PNS	eP	10 04 06.2				
MAR	18	LPB	eP	10 26 30.5				
		PNS	P	10 26 31.6	D	1.2	29	
MAR	18	LPB	eP	16 32 56				
		PNS	P	16 32 56.2		0.6	6	
MAR	18	USCGS	16 43 30.4, 5.7S, 150.6E, H = 55 Km, M = 5.1					
		NEW BRITAIN REG						
		LPB	eKP	17 02 53.5				136.3
			eL	48				
		PNS	eL	48.5				
MAR	18	USCGS	16 50 21.5, 18.5S, 168.2E, H = 22 Km, M = 4.6					
		NEW HEBRIDES						
		LPB	eL	17 54				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	18	LPB	P	18 03 24.3		0.9	12	
MAR	18	USCGS	17 49 50.8, 36.3N, 139.8E, H = 105 Km, M = 5.0 HONSHU, JAPAN					
		PNS	PKP	18 09 24.0		1.5	97	
			L	19 02.0				
		LPB	PKP	18 09 25.5		1.7	172	148.4
			i	29				
			pPKK	51.3				
			eL	32				
MAR	18	USCGS	19 15 35.9, 6.0S, 146.3E, H = 108 Km, M = 5.6 E NEW GUINEA REG					
		PNS	PKP	19 34 47.0		1.0	11	
			i	56.0				
			iPKS	38 21.2				
			eL	20 22.3				
		LPB	ePKP	19 34 49.0		1.0	20	139.3
			i	56.6				
			ePP	37 35.5				
			PKP	38 21				
			eL	20 22				
		TRJ	PKP	19 34 47.2				
MAR	18	LPB	P	19 31 21		0.9	14	
MAR	18	LPB	P	20 35 35		1.0	46	
			(S)	36 24.5				
		PNS	P	20 35 39.0		0.7	6	
MAR	18	PNS	iP	22 37 02.7	C	0.9	7	
MAR	18	LPB	P	23 22 42.3		0.9	12	
			e	23 04.4				
		PNS	P	23 22 46.8		0.9	7	
			e	23 02				
			i	07.4				
MAR	19	USCGS	01 10 45.8, 129.9E, H = 60 Km, M = 5.9 BANDA SEA					
		LPB	iPKP	01 30 30.0	C	1.2	148	151.0
			i	35.5				
			iPKP2	31 15				
			ePP	34 10				
			eSS	53 30				
			eL	22				
		TRJ	iPKP	01 30 27.6	C			
		PNS	iPKP	01 30 30.1	C	1.6	632	
			i	35.8				
			ePP	34 01				
			iSS	53 30.2				
			G	13.2				
			L	22.4				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	19	USCGS	02 14 28.3, 25.7S, 71.3W, H = 33 Km, OFF CST OF N CHILE					
		PNS	P	02 16 49.6		0.5	5	
			i	17 07.7				
		LPB	eP	02 16 51				9.9
			e	17 05.5				
			i	14				
MAR	19	USCGS	02 54 22.4, 2.8N, 130.5E, H = 48 Km, M = 4.9 RYUKYU IS					
		PNS	ePKP	03 14 11.6				
			eL	04 09.7				
		LPB	PKP	03 14 19.3		1.0	4	159.2
			eL	04 10				
MAR	19	USCGS	04 01 36.7, 45.4N, 151.3E, H = 33 Km, KURILE IS					
		PNS	PKP	04 20 52.5				
			pPKP	21 01.8				
			PP	23 35.4				
			iPKS	24 26.9				
			PS	34 01.3				
			SS	41 46.0				
			L	05 06.5				
		LPB	PKP	04 20 54				136.6
			epPKP	21 02				
			PKS	28 35				
			eSKS	34 00				
			PS	41 50				
			SS	59				
			L	05 07				
MAR	19	LPB	P	04 47 06.5		1.1	12	
		PNS	P	04 47 10.7	D	0.8	9	
MAR	19	LPB	P	04 55 46.5	C	1.1	65	
		PNS	iP	04 55 50.7	C	0.5	25	5.4
			eS	56 52.8				
MAR	19	LPB	eP	05 15 13				
		PNS	P	05 15 16.8	C	0.6	9	
MAR	19	LPB	P	05 18 20.6		0.7	11	
		PNS	iP	05 18 23.7	D	1.2	24	4.8
			S	19 18.8				
MAR	19	PNS	eP	06 09 28.8				
		LPB	P	06 09 29				
MAR	19	USCGS	05 55 03.2, 13.7N, 120.6E, H = 96 Km, M = 4.9 MINDORO, PHILIPPINE IS					

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		LPB	ePKP	06 14 55.5				171.1
			eL	07 15				
MAR	19	PNS	P	06 16 26.6				
		LPB	eP	06 16 27.5				
MAR	19	PNS	P	07 26 02.5		1.0	8	
			i	10.6				
			e	32 19.7				
			L	43				
		LPB	eP	07 26 04				
			eL	38				
MAR	19	LPB	eP	08 44 30				
		PNS	eP	08 44 33.7				
MAR	19	PNS	iP	11 09 54.6	D	0.6	59	0.4
			iS	10 02				
		LPB	iP	11 09 56.8		0.8	16	0.6
			iS	10 06				
MAR	19	LPB	eP	13 31 35				
MAR	19	PNS	P	12 39 29.1	D	0.6	8	2.7
			iS	40 01.4				
MAR	19	USCGS	15 17 11.1, 10.3N, 125.9E, H = 127 Km, M = 4.9					
		LEYTE, PHILIPPINE IS						
		LPB	ePKP	15 37 05.5		1.1	10	165.2
			eL	16 35				
		PNS	PKP	15 37 06		1.0	7	
			eL	16 35.2				
MAR	19	USCGS	15 53 21.1, 10.4N, 126.2E, H = 33 Km, M = 4.8					
		PHILIPPINE IS REG						
		PNS	PKP	16 13 25.5		1.8	48	
			eL	17 11.6				
		LPB	ePKP	16 13 26				165.0
			eL	17 11				
MAR	19	PNS	P	17 06 28.0		0.6	3	8.7
			eS	08 06				
MAR	19	USCGS	17 25 10.5, 51.9N, 180.0W, H = 18 Km, M = 4.9					
		RAT IS ALEUTIAN IS						
		PNS	eL	17 21.5				
		LPB	ePKP	17 43 56				116.1
			eL	18 19				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	19	USCGS N COLOMBIA	21 29 24.5, 6.9N, 73.1W, H = 158 Km, M = 4.3					
		LPB	P	21 34 09		0.8	7	23.6
			i	57.6				
			eL	40				
		PNS	P	21 34 21.0				
			iPP	52				
			eL	40.5				
MAR	19	LPB	eP	21 39 29				
			L	22 50				
MAR	19	USCGS PERU	21 42 42.7, 10.8S, 74.8W, H = 125 Km, M = 4.3					
		PNS	P	21 44 41.0		0.8	8	
			eS	46 17.4				
			L	46.6				
		LPB	eP	21 44 44.5		0.8	9	8.5
			eS	46 13.5				
MAR	19	USCGS NEAR CST OF CENTRAL CHILE	22 35 15.5, 38.1S, 73.5W, H = 33 Km, M = 4.3					
		LPB	P	22 40 11.2		0.9	10	21.9
		PNS	P	22 40 12.7		0.9	11	
MAR	19	PNS	iP	22 53 28.0	D	0.4	30	1.8
			iS	50.3				
		LPB	P	22 53 29.8		0.7	11	
MAR	19	LPB	eP	23 06 41				
			e	55				
			eL	17				
		PNS	eP	23 06 42.2		0.8	4	
			i(pP)	58.0				
			eL	17.3				
MAR	20	LPB	P	01 05 15		0.9	12	4.5
			S	06 07				
		PNS	P	01 05 20.6		0.8	6	
MAR	20	LPB	iP	03 32 57.5	D	0.9	39	3.0
			S	33 31.8				
		PNS	iP	03 32 58.4	D	0.5	30	2.6
			iS	33 30				
MAR	20	PNS	iP	04 00 37.8	D			2.0
			S	01 02				
		LPB	eP	04 00 38.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	20	PNS	P	04 05 31.8				
		LPB	P	04 05 34		0.9	8	
MAR	20	USCGS	05 13 57.6, 45.5N, 150.9E, H = 33 Km, M = 4.5					
		KURILE IS						
		LPB	ePKP	05 33 31.6				136.7
			eL	06 18				
		PNS	PKP	05 33 31.9		1.1	8	
			eL	06 18.7				
MAR	20	USCGS	08 30 19.1, 20.1S, 168.5E, H = 36 Km, M = 4.4					
		LOYALTY IS						
		LPB	eL	09 24				113.4
		PNS	eL	09 24.3				
MAR	20	PNS	eP	08 55 28.6				
		LPB	eP	08 55 35				
			e	51				
MAR	20	USCGS	08 47 47.5, 6.2S, 148.3E, H = 52 Km, M = 5.1					
		NEW BRITAIN REG						
		PNS	PKP	09 06 59.0				
			pPKP	07 10.8				
			PKS	10 42.2				
			eL	53.9				
		LPB	ePKP	09 07 03				137.7
			pPKP	10.2				
			PKS	10 42.8				
			eL	53				
MAR	20	PNS	P	09 34 21.7		0.5	2	2.6
			S	53				
		LPB	P	09 34 25.2		0.6	7	
MAR	20	PNS	eP	09 49 56				
		LPB	eP	09 50 10		0.7	6	
MAR	20	USCGS	10 48 07.2, 51.8N, 175.2E, H = 50 Km, M = 4.7					
		RAT IS, ALEUTIAN IS						
		LPB	ePKP	11 07 15				136.3
			eL	51				
		PNS	eL	11 51.9				
MAR	20	PNS	P	13 16 58		0.8	7	
		LPB	eP	13 16 59				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	20	USCGS	13 31 34.0, 45.6N, 151.4E, H = 51 Km, M = 5.7					
		KURILE IS						
		PNS	PKP	13 50 52.7		1.8	96	
			pPKP	51 06.2				
			PKS	54 20.4				
			SS	14 11 42				
			L	37.1				
		LPB	PKP	13 50 53.8		1.4	31	136.3
			ipPKP	51 07				
			ePKS	14 54 45				
			eSS	11 45				
			L	37.2				
		TRJ	ePKP	13 50 55.8				
MAR	20	USCGS	13 38 53.7, 45.7N, 151.6E, H = 50 Km, M = 4.6					
		KURILE IS						
		LPB	ePKP	13 58 06				136.3
MAR	20	USCGS	13 40 52.8, 45.6N, 151.5E, H = 53 Km, M = 5.3					
		KURILE IS						
		LPB	ePKP	14 00 11				136.3
			epPKP	24				
			ePP	02 53				
			eSS	21 06				
			eL	46				
		PNS	PKP	14 00 11.0		1.5	30	
			ipPKP	24.3				
			PPP	06 02				
		TRJ	PKP	14 00 17.0				
MAR	20	USCGS	13 52 05.5, 45.6N, 151.5E, H = 32 Km, M = 5.4					
		KURILE IS						
		PNS	PKP	14 11 25.2		1.7	43	
			PKS	14 54				
		LPB	ePKP	14 11 26		1.6	45	136.3
			ePKS	14 46				
			eL	56				
		TRJ	ePKP	14 11 31.1				
MAR	20	USCGS	14 44 17.8, 45.4N, 151.5E, H = 50 Km, M = 4.6					
		KURILE IS						
		LPB	ePKP	15 03 28				136.3
			eL	48				
MAR	20	LPB	iP	15 12 20.7	D	0.5	29	0.1
			iS	24.5				
		PNS	P	15 12 36.8		0.5	3	0.7
			eS	47				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	20	PNS	iP	15 19 06.5	D	1.6	75	
			iPP	51.9				
		LPB	P	15 19 12		1.5	66	25.6
			i	30.5				
			ePP	54.3				
		TRJ	P	15 20 01.8	D			
MAR	20	USCGS	15 46 29.4, 45.6S, 151.2E, H = 60 Km, M = 5.1					
		KURILE IS						
		PNS	PKP	16 05 46.0		1.8	53	
			L	50.9				
		LPB	PKP	16 05 47.3		1.0	16	136.3
			eL	51				
MAR	20	PNS	iP	16 35 56.5		0.5	2	3.0
			S	36 31.4				
MAR	20	USCGS	17 11 34.8, 45.5N, 151.4E, H = 33 Km, M = 5.0					
		KURILE IS						
		LPB	ePKP	17 30 56.5				136.3
			eL	18 16				
		PNS	iPKP	17 30 57.2	C	1.5	38	
			L	18 16				
MAR	20	LPB	P	18 29 16.6		1.0	40	7.6
			S	30 43				
		PNS	P	18 29 20.7		0.6	9	7.1
			eS	30 41				
MAR	20	USCGS	19 07 25.2, 22.1S, 170.6E, H = 28 Km, M = 5.5					
		LOYALTY IS REG						
		LPB	ePKP	19 25 56				111.0
			eSS	19 42 18				
			eL	59				
		PNS	ePKP	19 25 57.8				
			SS	42 23				
			L	59.7				
MAR	20	LPB	eP	19 56 25.5		0.8	10	
		PNS	iP	19 56 26.8	C	0.9	15	
MAR	20	USCGS	21 54 48.0, 36.3N, 139.7E, H = 57 Km, M = 4.7					
		HONSHU, JAPAN						
		LPB	PKP	22 14 25.3				148.5
			iPKP2	31.5				
			eL	23 06				
		PNS	ePKP	22 14 27.7		1.2	12	
			eL	23 25				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	20	USCGS VENEZUELA	22 51 39.3, 7.5N, 71.6W, H = 103 Km, M = 4.2					
		PNS	P	22 56 45.0	C	1.3	13	
		LPB	eP	22 56 45.6				24.2
MAR	21	PNS	iP	00 47 24.6	C			2.4
			S	53.6				
		LPB	iP	00 47 28.5	C	0.6	378	2.1
			eS	54				
MAR	21	PNS	iP	05 12 49.4	D			2.1
			S	13 14.5				
		LPB	iP	05 12 50.4	D	0.8	165	2.0
			eS	13 14				
MAR	21	LPB	eP	06 35 12		0.9	8	
			e(S)	36 23.7				
		PNS	P	06 35 14.8		1.3	16	
MAR	21	PNS	P	07 45 43.6	D	0.5	8	1.4
			eS	46 02				
		LPB	eP	07 45 49		0.7	3	
MAR	21	USCGS S INDIAN OCEAN	07 52 24.9, 25.3S, 69.9E, H = 33 Km, M = 4.6					
		LPB	eL	08 50				121.6
		PNS	eP	08 11 22				
			eL	08 50.6				
MAR	21	PNS	P	09 01 20.6				
MAR	21	LPB	eP	11 28 54				
MAR	21	USCGS TONGA IS REG	11 24 44.6, 23.8S, 175.2W, H = 33 Km, M = 5.4					
		LPB	eP	11 38 16				98.1
			eL	12 12				
		PNS	eP	11 38 18.4				
			eL	12 12.6				
MAR	21	USCGS HONSHU, JAPAN	15 05 01.8, 35.8N, 138.1E, H = 40 Km,					
		LPB	eL	16 15				149.5
		PNS	eL	16 15.4				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	21	PNS	eP	16 38 22.1	C	0.6	33	
		LPB	eP	16 38 23				
MAR	21	PNS	iP	16 42 35.5		0.6	4	3.0
			S	43 10.7				
MAR	21	PNS	eP	16 49 43.5				
		LPB	P	16 49 45				
MAR	21	TRJ	iP	17 57 30.1	C			
MAR	21	USCGS	18 11 42.2, 6.8N, 73.0W, H = 151 Km, M = 5.4					
		N COLOMBIA						
		PNS	iP	18 16 39.0	D	0.7	8	
			iPP	17 12.5				
			eS	20 40				
			eSS	21 16				
			L	22.9				
		LPB	P	18 16 42		0.7	48	23.5
			i	17 05.5				
			iPP	15				
			S	20 44				
			iSS	21 47.8				
			eL	23				
MAR	21	USCGS	19 06 30.3, 11.5S, 165.6E, H = 39 Km, M = 4.9					
		SANTA CRUZ IS						
		PNS	PKP	19 25 20.8	C	1.2	14	
			eL	20 03.4				
		LPB	ePKP	19 25 21.5				120.1
			eL	20 03				
MAR	21	PNS	iP	20 41 51.5		0.7	26	2.0
			iS	42 15.6				
MAR	21	PNS	P	20 43 21.6		1.1	12	
MAR	21	PNS	iP	23 32 53.1	C	0.8	4	
		LPB	eP	23 32 54				
MAR	22	USCGS	00 10 51.7, 11.7S, 165.5E, H = 33 Km, M = 4.8					
		SANTA CRUZ IS						
		LPB	eP	00 29 42		1.0	8	120.1
			eL	01 01				
MAR	22	LPB	e(P)	02 09 39				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	22	PNS	iP	02 48 32.0	C	0.4	3	1.8
			S	54.1				
MAR	22	USCGS	02 54 22.6, 20.3N, 38.7E, H = 33 Km					
		RED SEA						
		LPB	eP	03 12 50.5				111.1
			eL	47.5				
		PNS	eL	03 48.5				
MAR	22	TRJ	P	04 38 17.1				
MAR	22	TRJ	iP	04 53 18.8	D			
MAR	22	USCGS	05 05 17.3, 10.8S, 79.0W, H = 26 Km, M = 4.6					
		NEAR CST OF PERU						
		PNS	eP	05 08 07.0		1.1	5	
			i	12.5				
			S	10 23				
			L	10.9				
		LPB	eP	05 08 09				12.0
			eL	11				
MAR	22	USCGS	05 20 16.0, 10.8S, 79.1W, H = 87 Km, M = 4.6					
		OFF CST OF PERU						
		PNS	eP	05 23 08.5		1.0	8	
			eS	25 16				
			eL	26.3				
		LPB	eP	05 23 09		1.0	4	11.9
			eL	26				
MAR	22	PNS	P	05 59 11.8		1.0	14	
		LPB	P	05 59 12.6		1.0	10	
MAR	22	USCGS	05 58 25.5, 51.6N, 173.9E, H = 33 Km, M = 4.9					
		NR IS ALEUTIAN IS						
		LPB	ePKP	06 17 14.5		0.8	3	120.1
			eL	55				
MAR	22	PNS	iP	06 33 02.3	D			2.2
			S	30.8				
		LPB	P	06 33 03.0		0.7	24	2.3
			eS	30				
MAR	22	LPB	eP	07 14 07.5				
MAR	22	LPB	eP	08 18 07		1.0	8	
			e	15				
		PNS	eP	08 18 16				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	22	PNS	iP	08 55 56.0	C	0.8	4	2.1
			S	56 21.5				
MAR	22	USCGS	09 15 27.6, 12.8N, 87.6W, H = 56 Km, M = 4.4					
		NR CST OF NICARAGUA						
		PNS	eP	09 22 15				
			eL	33.5				
		LPB	eP	09 22 16				34.8
			eL	34.6				
MAR	22	PNS	P	09 24 38.7				0.9
			S	50.4				
MAR	22	PNS	iP	10 02 57.2	D	0.7	197	2.2
			iS	03 23				
		LPB	iP	10 02 59.2	D	0.5	144	2.2
			S	03 25				
MAR	22	LPB	eP	10 23 43.5		0.7	7	
		PNS	iP	10 23 47.6	D	0.6	4	3.9
			S	24 32.4				
		TRJ	iP	10 24 52.2	D			
MAR	22	USCGS	13 00 26.9, 54.0S, 146.4E, H = 70 km, M = 5.3					
		E NEW GUINEA REG						
		PNS	PKP	13 19 43		2.0	6	
		LPB	ePKP	13 19 45				139.5
			eL	14 05				
MAR	22	USCGS	14 59 25.5, 41.4N, 124.9W, H = 33 Km, M = 4.1					
		NR CST OF N CALIFORNIA						
		LPB	eL	15 20				50.9
		PNS	eL	15 20.3				
MAR	22	LPB	eP	15 10 11.5		0.8	9	
		PNS	eP	15 10 12				
MAR	22	LPB	eP	16 02 47.5				
MAR	22	LPB	P	16 43 19.7		0.8	16	2.2
			S	45.7				
		PNS	iP	16 43 20.5	D	0.7	26	2.2
			S	46.8				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	22	PNS	P	19 15 42.2				
			i	45.0				
			iSS	19 24				
			L	20.3				
		LPB	P	19 16 01.2		1.0	14	12.7
			eS	18 22				
			eL	20.3				
MAR	22	USCGS	19 13 04.6, 10.5S, 161.6E, H = 33 Km, M = 4.7					
		SOLOMON IS						
		PNS	ePKP	19 32 02		0.9	5	
			eL	20 13.5				
		LPB	ePKP	19 32 04				123.7
			eL	20 13				
MAR	22	PNS	P	19 37 54				
MAR	22	PNS	P	20 19 56.8		0.6	4	3.2
			S	20 33.7				
MAR	22	LPB	e(P)	20 27 05		0.9	8	
MAR	22	PNS	P	21 09 40.2		0.7	2	
MAR	22	USCGS	21 17 34.3, 56.1S, 27.6W, H = 23 Km, M = 5.4					
		S SANDWICH IS REG						
		LPB	P	21 26 30.5		1.1	75	49.5
			PcP	27 50				
			S	33 46				
			ScS	36 27				
			eSS	37 44				
			eL	41.7				
		PNS	P	21 26 32.1		1.0	20	
			iPcP	27 51.2				
			S	33 51				
			SeS	36 25				
			eL	41.7				
MAR	22	PNS	P	22 41 02		1.0	4	
		LPB	(P)	22 41 05.5		0.6	10	
MAR	22	USCGS	23 46 20.6, 14.8S, 177.0W, H = 33 Km, M = 4.7					
		FIJI IS REG						
		LPB	eP	00 00 14				102.7
			eL	35				
		PNS	L	00 34.7				
MAR	23	LPB	eP	00 21 04				
		PNS	eP	00 21 04.4				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	23	USCGS	00 35 43.1, 17.0S, 177.1W, H = 55 Km, M = 4.8					
		FIJI IS REG						
		PNS	L	01 23.6				
		LPB	L	01 23.7				102
MAR	23	USCGS	02 46 51.1, 2.7S, 68.0E, H = 33 Km, M = 4.8					
		CARLSBERG RIDGE						
		PNS	ePKP	03 06 05.3		2.2	8	
			eL	26.3				
		LPB	ePKP	03 06 06				132.5
			eL	26				
MAR	23	LPB	eL	03 56				
		PNS	L	03 57.3				
MAR	23	USCGS	05 23 34.3, 2.8S, 68.1E, H = 33 Km, M = 5.1					
		CARLSBERG RIDGE						
		LPB	ePKP	05 42 50				132.5
			eL	06 26.5				
		PNS	PKP	05 42 50.2				
			eL	06 26.7				
MAR	23	LPB	P	05 48 38.6	D	0.9	13	2.3
			i	43				
			S	49 06.5				
		PNS	iP	05 48 41.2	D			2.2
			S	49 07				
MAR	23	PNS	iP	07 16 53.8	D			2.4
			eS	17 22.5				
		LPB	eP	07 16 58		0.6	7	2.6
			iS	17 29.5				
MAR	23	PNS	P	08 04 32.3				
		LPB	P	08 04 37.4		1.3	19	
MAR	23	PNS	iP	08 06 15.9	D			2.0
			S	40				
		LPB	iP	08 06 18	D	0.6	7	2.0
			S	42.5				
MAR	23	PNS	iP	08 38 24.8		0.9	5	
			eL	51.4				
		LPB	P	08 38 25		0.9	8	
			eL	52				
MAR	23	LPB	P	08 59 29		0.9	14	
		PNS	iP	08 59 32.9	C	0.5	13	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	23	USCGS	08 45 20.2, 52.3N, 174.0E, H = 62 Km, M = 4.4					
		NEAR IS ALEUTIAN IS						
		PNS	PKP	09 04 12.2		1.4	33	
			eL	09 42.1				
		LPB	eL	09 42				120.0
MAR	23	PNS	iP	09 33 16.0	C	0.6	13	2.8
			S	49				
		LPB	eP	09 33 20				3.2
			S	58.5				
MAR	23	LPB	eP	11 19 45.3				3.7
			S	20 28				
		PNS	P	11 19 50.5				4.1
			S	20 39				
MAR	23	LPB	eP	12 11 19				
		PNS	P	12 11 22.5		1.0	9	
MAR	23	USCGS	13 41 57.5, 45.8N, 151.9E, H = 33 Km, M = 4.7					
		KURILE IS						
		LPB	eL	14 47				139.9
MAR	23	PNS	iP	14 31 57.0	C	0.5	2	
MAR	23	USCGS	15 00 27.8, 4.7S, 101.8E, H = 33 Km, M = 5.2					
		S SUMATRA						
		LPB	ePKP	15 20 07				156.5
			eL	16 15				
		PNS	ePKP	15 20 20.8				
			pPKP	32.4				
			L	16 14.9				
MAR	23	PNS	P	16 19 20.0		1.6	33	
		LPB	eP	16 19 21.5		2.0	86	
MAR	23	LPB	P	17 13 37		1.0	16	
		PNS	eP	17 13 37				
MAR	23	PNS	P	22 14 34.2		1.3	9	
MAR	23	PNS	iP	22 55 22.8	D	0.7	28	2.3
			S	50				
MAR	24	LPB	eP	00 20 29.5		0.8	9	7.4
			e	55.2				
			eS	21 53.6				
		PNS	P	00 20 31.1		0.9	9	7.5
			S	21 56.6				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	24	PNS	iP	00 40 12		0.6	3	
		LPB	eP	00 41 36				
MAR	24	USCGS	01 08 06.7, 24.2N, 121.5E, H = 47 Km, M = 5.0					
		TAIWAN						
		LPB	ePKP	01 28 12				167.8
			ePKP2	29 19				
			eL	02 27				
		PNS	PKP2	01 29 16.3		0.8	4	
			eL	02 27.9				
MAR	24	USCGS	01 23 24.7, 45.3N, 151.0E, H = 33 Km, M = 4.4					
		KURILE IS						
		LPB	ePKP	01 42 46				137.2
			eL	02 28				
		PNS	ePKP	01 42 47.7		1.5	25	
MAR	24	USCGS	01 32 35.0, 21.0S, 169.0E, H = 33 Km, M = 4.4					
		NEW HEBRIDES IS						
		LPB	ePKP	01 51 13				112.5
			eL	02 26				
MAR	24	USCGS	01 56 23.7, 6.0S, 105.3E, H = 22 Km, M = 5.2					
		SUNDA STRAIT						
		LPB	PKP	02 16 17				155.9
			eL	03 10				
		PNS	ePKP	02 16 12				
MAR	24	USCGS	01 57 49.0, 20.2N, 38.3E, H = 33 Km, M = 5.0					
		RED SEA						
		LPB	eL	02 51				110.7
		PNS	L	02 51.9				
MAR	24	PNS	P	03 38 39.2		0.8	4	
		LPB	eP	03 38 40		1.0	8	
MAR	24	PNS	P	03 47 28.3		0.7	3	
MAR	24	PNS	eP	03 48 12.5				
		LPB	eP	03 48 28				
MAR	24	PNS	iP	04 18 54.6	D	0.5	5	2.1
			S	19 20				
		LPB	eP	04 18 56		0.7	4	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	24	USCGS	04 11 29.6, 40.2N, 144.6E, H = 27 Km, M = 5.0					
		OFF E CST OF HONSHU, JAPAN						
		PNS	ePKP	04 30 29.2	C	0.8	3	
			i	31 04				
			eL	05 21.9				
		LPB	ePKP	04 30 29.3				138
			iPKP	37.5				
			eL	05 31				
MAR	24	PNS	P	05 53 20.0		1.1	15	5.9
			S	54 28				
		LPB	P	05 53 26.6	D	1.3	34	
MAR	24	PNS	P	06 15 13		0.9	8	5.9
			S	16 21				
		LPB	eP	06 15 18.5		1.0	12	
MAR	24	USCGS	06 15 51.1, 3.3N, 74.2W, H = 131 Km, M = 4.2					
		COLOMBIA						
		PNS	P	06 20 17.3				
			pP	26.4				
			eL	26.2				
		LPB	eP	06 20 23.5		0.4	5	20.9
			eL	26				
MAR	24	USCGS	06 38 08.8, 20.0N, 38.7E, H = 42 Km, M = 5.1					
		RED SEA						
		LPB	ePKP	06 56 10				110.7
			eL	07 31				
		PNS	eL	07 31				
MAR	24	LPB	eP	07 18 37.5		1.0	10	
			eL	33				
		PNS	P	07 18 38.4		1.0	5	
MAR	24	LPB	eP	07 38 21		1.1	5	
		PNS	eP	07 38 22.8				
MAR	24	PNS	P	07 37 47.7		1.2	8	
			e	38 59				
MAR	24	PNS	P	07 44 10.3		0.9	7	
		LPB	eP	07 43 48				
MAR	24	PNS	P	07 47 15.1		0.9	3	
MAR	24	PNS	iP	08 23 55.0	C	0.8	4	
			i	24 01.4				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	24	USCGS JAVA SEA	09 00 19.5, 6.0S, 112.3E, H = 600 Km, M = 6.0					
		TRJ	PKP	09 19 04.2	D			
		CCH	PKP	09 19 09.5				
		LPB	iPKP	09 19 12	D	1.2	84	157.6
			PKP2	45.7				
			pPKP	21 30.7				
			PKS	23 30				
			SKSP	34 11				
			eG	10 03.7				
			eL	14				
		PNS	PKP	09 19 12.2	D	1.4	160	
			i	49.4				
			PKP2	21 31.0				
			PKS	22 52				
			PP	23 24				
			iSKSP	34 12				
			SS	43 35				
			eL	10 74.3				
MAR	24	LPB	eP	09 51 03				
MAR	24	LPB	eP	10 46 38		0.8	6	
			e	41.7				
MAR	24	USCGS JAVA SEA	11 46 13.9, 6.0S, 112.3E, H = 600 Km, M = 5.3					
		LPB	iPKP	12 05 06.2		1.0	30	157.6
			PKP2	41.7				
			eL	59				
		PNS	PKP	12 05 06.5		1.0	17	
			iPKP2	43.0				
MAR	24	USCGS RED SEA	12 34 35.5, 20.8N, 38.7E, H = 33 Km,					
		PNS	ePKP	12 52 44.4	C	0.9	9	
		LPB	ePKP	12 52 48.5				110.2
			eL	13 27				
MAR	24	PNS	P	13 04 37.2		0.8	2	5.9
			S	05 45.2				
		LPB	eP	13 04 50		0.8	7	
MAR	24	LPB	P	13 13 18.2	D	0.7	10	7.6
			S	14 44				
		PNS	iP	13 13 21.8	D	0.8	48	7.4
			S	14 46				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	24	USCGS	14 23 30.5, 15.2N, 93.7W, H = 87 Km, M = 4.0 NR CST OF CHIAPAS, MEXICO					
		PNS	eL	14 42.9				
		LPB	eL	14 42				40.5
MAR	24	LPB	e(P)	15 03 51				
MAR	24	PNS	P	15 37 40.2		0.7	2	
MAR	24	USCGS	15 38 49.4, 6.7S, 74.9W, H = 149 Km, M = 4.9 PERU-BRAZIL BOR REG					
		LPB	P	15 41 24				11.9
		PNS	P	15 41 28.0		0.9	5	
			eS	43 36.8				
MAR	24	USCGS	17 39 57.9, 11.6S, 165.5E, H = 33 Km, M = 4.9 SANTA CRUZ IS					
		LPB	ePKP	17 58 50				120.1
			eL	18 37				
MAR	24	USCGS	17 57 14.1, 36.2N, 139.7E, H = 96 Km, HONSHU, JAPAN					
		LPB	eL	19 07				148.5
		PNS	L	19 07.5				
MAR	24	LPB	eP	18 49 08				
		PNS	P	18 41 10.1		0.9	6	1.8
			S	31.8				
MAR	24	USCGS	19 09 18.9, 40.6S, 176.5E, H = 33 Km, M = 5.1 N IS NEW ZEALAND					
		LPB	eL	20 06				119.9
		PNS	eL	20 06.3				
MAR	24	USCGS	22 59 47.3, 20.2S, 179.0W, H = 654 Km, M = 4.7 FIJI IS REG					
		LPB	eP	23 12 27				102.6
			eL	48				
		PNS	eP	23 12 31.4				
			eL	23 47.3				
MAR	25	PNS	P	02 43 55.4				4.9
			S	44 52				
		LPB	P	02 43 57		1.0	20	5.0
			e	44 06.2				
			S	55.5				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	25	PNS	P	03 00 15.6		0.7	2	
		LPB	eP	03 00 24		0.7	4	
MAR	25	PNS	P	03 09 37		0.5	7	
		LPB	eP	03 09 44				
MAR	25	LPB	eP	03 51 23.5				
MAR	25	LPB	eP	04 12 33		1.2	15	
MAR	25	LPB	iP	04 18 30.0		0.9	35	6.5
			S	19 44.5				
		PNS	iP	04 18 33.7	C	0.7	7	7.0
			S	19 52.8				
MAR	25	USCGS	04 06 53.1, 36.5N, 138.4E, H = 33 Km, M = 4.2					
		HONSHU, JAPAN						
		LPB	eL	05 17				148.9
		PNS	eL	05 17.5				
MAR	25	USCGS	05 21 47.5, 44.8N, 112.0W, H = 14 Km,					
		EIDAHO						
		LPB	eP	05 33 14				73.1
			eL	56				
		PNS	eL	05 55.9				
MAR	25	LPB	P	05 35 24		0.7	17	7.4
			eS	36 47.6				
		PNS	iP	05 35 27.5		0.6	17	6.9
			S	36 46				
MAR	25	CCH	P	06 12 29.5				
		LPB	P	06 13 04.0		0.8	28	3.2
			S	41.5				
		PNS	iP	06 13 07.3				3.4
			S	48				
MAR	25	USCGS	07 35 16.5, 24.9N, 122.3E, H = 122 Km, M = 5.2					
		TAIWAN REG						
		PNS	ePKP	07 55 12.4				
		LPB	ePKP	07 55 12.7				167.2
			eL	08 54				
MAR	25	CCH	P	12 07 50.0				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	25	USCGS	12 18 23.9, 23.1S, 66.4W, H = 202 Km, M = 4.8 JUJUY PROV, ARGENTINA					
		LPB	iP	12 20 04.4	D	05	24	6.6
			iS	21 20				
		PNS	iP	12 20 07.8	D			
			iS	21 25.3				
			iScS	23 36				
MAR	25	USCGS	14 19 17.3, 7.9S, 154.3E, H = 60 Km, SOLOMON IS					
		LPB	ePKP	14 38 33				131.4
			eL	15 21				
		PNS	eL	15 21.8				
MAR	25	USCGS	14 29 13.6, 7.4N, 79.7W, H = 35 Km, M = 4.7 S OF PANAMA					
		PNS	P	14 34 44.6		1.4	51	
			PP	35 26.6				
			S	38 53				
			eL	42.2				
		LPB	P	14 34 49.5		1.1	35	26.2
			e	35 17.5				
			eS	39 58				
			eL	42				
MAR	25	USCGS	14 33 32.1, 7.6N, 79.2W, H = 33 Km, M = 4.1 S OF PANAMA					
		PNS	P	14 39 04.7		0.9	4	
		LPB	eP	14 39 06				26.2
MAR	25	PNS	eP	15 56 08.6				
		LPB	eP	15 56 12.5		1.0	10	
MAR	25	LPB	P	18 31 36				
MAR	25	LPB	P	19 56 43.5		0.7	13	
MAR	25	USCGS	20 33 01.7, 8.3S, 71.3W, H = 587 Km, M = 4.2 W BRAZIL					
		PNS	iP	20 34 05.1	D	0.9	52	
			S	35 44.5				
		LPB	P	20 34 08.7		1.0	30	8.8
			S	35 51.5				
MAR	25	USCGS	22 26 29.2, 28.8N, 60.3E, H = 41 Km, M = 4.9 S IRAN					
		LPB	eL	23 28				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	25	USCGS	22 47 58.5, 45.5N, 151.4E, H = 41 Km, M = 5.5					
		KURILE IS						
		LPB	ePKP	23 07 06				136.3
			ePKS	10 50				
			ePS	22 35				
			eL	53				
		PNS	PKP	23 07 17.3		1.6	24	
			pPKP	27.8				
			PS	22 32				
			SS	28 08				
			eG	43.8				
			L	52.4				
MAR	25	PNS	P	23 27 18.8				1.9
			S	41.6				
MAR	25	LPB	eP	00 01 25				
MAR	26	PNS	iP	01 28 25.7	D	0.5	4	2.7
			S	57.3				
		LPB	P	01 28 36.5		0.9	17	2.6
			eS	29 08				
MAR	26	USCGS	01 30 55.5, 35.6N, 139.8E, H = 52 Km, M = 4.0					
		NR S CST OF HONSHU, JAPAN						
		PNS	L	02 46				148.9
MAR	26	USCGS	02 41 57.0, 20.6S, 69.2W, H = 104 Km, M = 4.1					
		N CHILE						
		LPB	P	02 43 01				4.2
			(iS)	49.2				
		PNS	iP	02 43 03.9	C	0.8	7	
			i	24				
			S	56.6				
MAR	26	USCGS	02 08 26.9, 27.2N, 67.5E, H = 21 Km, M = 4.5					
		W PAKISTAN						
		LPB	ePKP	03 27 05				137.8
			eL	04 13				
MAR	26	PNS	iP	03 38 47.7	D	0.5	5	4.5
			S	39 39				
MAR	26	USCGS	04 24 13.5, 64.1N, 147.2W, H = 33 Km, M = 4.4					
		CENTRAL ALASKA						
		LPB	ePKP	04 43 12				126.9
			eL	05 24				
		PNS	ePKP	04 43 20.6				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	26	LPB	eP	05 56 37.5		0.9	8	
MAR	26	LPB	eP	06 41 56				3.?
			S	42 33				
		PNS	iP	06 42 05.0	C	0.5	2	2.5
			S	35.5				
MAR	26	USCGS	07 46 27.4, 2.4N, 128.5E, H = 127 Km, M = 4.7					
		HALMAHERA						
		LPB	ePKP	08 06 10				158.1
			eL	09 01				
		PNS	eL	09 01				
MAR	26	USCGS	07 51 07.3, 51.3N, 174.4E, H = 33 Km, M = 4.2					
		NEAR IS, ALEUTIAN IS						
		LPB	eL	08 48				119.8
MAR	26	LPB	eP	09 52 17		1.0	6	
		PNS	P	09 52 21.0		0.4	2	3.4
			eS	53 01				
MAR	26	LPB	iP	10 31 07.8		0.8	16	7.6
			S	32 34.2				
		PNS	iP	10 31 09.4		0.7	40	
MAR	26	PNS	iP	12 51 48.0	C	0.5	5	3.2
			S	52 24.7				
		LPB	eP	12 51 53.5				
MAR	26	PNS	iP	13 54 26.0	C	0.8	7	4.3
			iS	55 16.6				
		LPB	iP	13 54 31		1.0	46	
MAR	26	LPB	eP	14 15 55		0.7	13	7.4
			S	17 19.5				
		PNS	P	14 15 58.5		0.9	10	7.5
			S	17 24				
MAR	26	LPB	eP	14 40 11				
		PNS	iP	14 40 11.5	D	0.9	5	
MAR	26	PNS	P	14 51 57.4		0.9	3	

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	26	LPB	eP	16 00 37				
			S	03 30.5				
			eL	05.8				
		PNS	P	16 01 11.6				
			e	15.0				
			i	48.0				
			S	04 13				
			iSS	53				
			L	05.9				
MAR	26	PNS	P	16 12 24.6		1.0	3	
MAR	26	USCGS	16 22 09.7, 27.7N, 139.8E, H = 450 Km, M = 4.1					
		BONIN IS REG						
		LPB	PKP	16 41 06.5		0.9	21	151.6
			eL	17 33				
		PNS	PKP	16 41 13		0.8	9	
			eL	17 33				
MAR	26	USCGS	16 30 32.0, 3.0N, 77.8W, H = 82 Km, M = 4.5					
		NEAR W CST OF COLOMBIA						
		PNS	iP	16 35 13.0	C	0.9	10	
			i(PP)	35.0				
			L	40.9				
		LPB	P	16 35 16.8		1.0	26	21.7
			iPP	40.2				
			eL	41				
MAR	26	USCGS	17 00 33.1, 5.5N, 126.3E, H = 87 Km, M = 5.3					
		MINDANAO PHILIPPINE IS						
		LPB	ePKP	17 20 12				162.0
			eL	18 17				
		PNS	eSS	17 45 24				
			eL	18 17.3				
MAR	26	USCGS	20 35 06.2, 7.4S, 67.8E, H = 33 Km, M = 4.7					
		MID-INDIAN RISE						
		PNS	ePKP	20 54 14.6				
			eL	21 37				
		LPB	eL	21 37				130.4
MAR	26	USCGS	21 27 11.5, 34.4N, 139.0E, H = 33 Km, M = 4.2					
		NR S CST OF HONSHU, JAPAN						
		LPB	ePKP	21 46 38				
			eL	22 13				
		PNS	PKP	21 46 42.8				
			eL	22 34				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	26	PNS	P	22 58 12		0.9	3	19.5
			i	25.5				
			S	23 01 58.9				
		LPB	eP	22 58 19				20.0
			S	23 01 58				
MAR	26	USCGS E NEW GUINEA REG	22 39 01.5, 9.3S, 148.6E, H = 14 Km, M = 5.3					
		LPB	ePKP	23 08 17.5				135.6
			eL	53				
		PNS	eL	23 53				
MAR	26	USCGS PERU	23 56 48.4, 10.3S, 73.9W, H = 134 Km, M = 4.4					
		PNS	iP	23 58 41.6	D	1.0	14	
			i	59.0				
			S	00 00 11.8				
		LPB	iP	23 58 47.2	D	0.8	43	8.1
			i	59 06.5				
			S	24 00 15.2				
MAR	27	PNS	iP	00 47 14.1	C			2.3
			S	41.8				
MAR	27	LPB	iP	01 15 21.7	C	0.9	35	3.2
			S	58.5				
		PNS	iP	01 15 25.4	C	0.6	41	3.3
			iS	16 04				
MAR	27	PNS	P	03 48 50.4		1.0	4	
MAR	27	LPB	P	04 44 37		1.2	25	
			e(L)	05 19				
MAR	27	PNS	eP	06 21 32.2				
MAR	27	PNS	P	06 52 10.2				
		LPB	eP	06 52 10.5				
MAR	27	PNS	P	07 57 22.6				4.4
			eS	58 14				
		LPB	eP	07 57 24		0.6	4	4.5
			eS	58 16				
MAR	27	USCGS W BRAZIL	08 26 34.5, 8.9S, 71.3W, H = 603 Km, M = 5.3					
		PMS	iP	08 28 33.8	D	0.9	320	
			S	30 08				
			ScS	42 13				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL -	DIST
		LPB	iP	08 28 37.3	D	0.9	493	8.0
			iS	30 14.0				
MAR	27	PNS	eP	09 04 43				
			i	06 11.4				
		LPB	eP	09 04 48				
			e	54				
MAR	27	USCGS	08 58 25.5, 38.4N, 116.5E, H = 61 Km, M = 5.4					
		NE CHINA						
		PNS.	PKP	09 18 18.5	C	1.6	35	
			eG	10 03.6				
			eL	13.2				
		LPB	PKP	09 18 18.8	C	1.5	27	157.9
			eSS	42 25				
			eL	10 13				
MAR	27	PNS	P	09 33 35.2		1.4	15	
		LPB	eP	09 33 36				
		CCH	P	09 33 39.2				
MAR	27	PNS	iP	09 53 23.8				1.9
			iS	46.5				
MAR	27	USCGS	10 01 42.0, 16.5S, 168.1E, H = 11 Km, M = 5.5					
		NEW HEBRIDES IS						
		LPB	ePKP	10 20 29				136.1
			L	56.3				
		PNS	ePKP	10 20 29				
			eSS	37 35				
			L	56.2				
MAR	27	LPB	eP	10 29 56.5				
MAR	27	CCH	(P)	11 41 14.6				
		LPB	eP	11 41 29				
		PNS	P	11 41 32		1.5	8	
MAR	27	USCGS	11 39 34.4, 35.7N, 139.1E, H = 36 Km, M = 4.4					
		NR S CST OF HONSHU, JAPAN						
		LPB	ePKP	11 59 06.5				149.0
			eL	12 50				
		PNS	ePKP	11 59 06.5				
			pPKP	20.8				
			L	12 50.4				
MAR	27	LPB	eP	12 03 27				
		PNS	P	12 02 33.6				6.5
			eS	03 48				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	27	PNS	P	13 14 34.0		0.5	3	2.5
			S	15 03.8				
MAR	27	USCGS	14 40 10.1, 12.4N, 87.4W, H = 24 Km, M = 4.3					
		NR CST OF NICARAGUA						
		PNS	eP	14 46 56				
		LPB	eL	14 56				34.6
MAR	27	LPB	eP	15 37 39				2.4
			S	38 08				
		PNS	iP	15 37 40.6	D	0.5	6	2.3
			S	38 09.5				
MAR	27	LPB	P	18 06 15		0.8	10	
		PNS	P	18 06 16.4	C	0.8	6	
MAR	27	USCGS	18 19 31.9, 5.8N, 126.4E, H = 33 Km,					
		MINDANAO, PHILIPPINE IS						
		LPB	ePKP	18 38 50.5				
			eL	19 37				
		PNS	ePKP	18 39 35				
MAR	27	PNS	eP	19 56 06.8				7.6
			S	57 32.4				
MAR	27	USCGS	19 53 40.6, 20.0N, 38.6E, H = 23 Km, M = 5.1					
		RED SEA						
		LPB	ePKP	20 13 08				147.1
			eL	21 03				
		PNS	eSS	20 35 44				
			eL	21 03.7				
MAR	27	USCGS	20 14 43.8, 16.6S, 168.3E, H = 21 Km, M = 4.9					
		NEW HEBRIDES IS						
		LPB	ePKP	20 33 17				115.1
			eL	21 09				
		PNS	ePKP	20 33 25.8				
			eL	21 09.6				
MAR	27	LPB	eP	21 54 11				
		PNS	P	21 54 14.5		0.8	5	
MAR	27	USCGS	22 18 01.9, 22.7S, 67.6W, H = 160 Km, M = 4.1					
		CHILE-BOLIVIA BOR REG						
		CHA	P	22 19 33.8				
		PNS	P	22 19 34		1.0	4	
			iS	20 07.0				
		LPB	P	22 19 36		0.9	21	6.3
			eS	20 46.5				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	27	PNS	iP	22 35 24.0	D	0.6	7	2.6
			iS	54.8				
MAR	27	PNS	P	23 36 07.2		0.8	3	
MAR	28	PNS	P	00 05 00.4		0.9	10	
MAR	28	USCGS	00 04 27.3, 38.5N, 25.3E, H = 34 Km, M = 4.3					
		AEGEAN SEA						
		LPB	eL	00 52				102.8
		PNS	eL	00 52.8				
MAR	28	LPB	P	00 39 48		0.8	6	
MAR	28	LPB	eP	00 40 05				
		PNS	P	00 40 06.3		1.2	11	
MAR	28	LPB	P	01 14 12.2		0.8	46	
			(S)	35				
		CHA	iP	01 14 14.8	D			
		PNS	iP	01 14 15.5	C	0.5	3	1.8
			S	37.4				
MAR	28	USCGS	03 29 39.5, 16.3S, 74.4W, H = 55 Km, M = 4.3					
		NR CST OF PERU						
		PNS	P	03 31 04.6				
			i	06.8				
			S	32 22.4				
		LPB	P	03 31 09.7		1.0	24	5.8
			S	32 24				
		CHA	iP	03 31 10.9	D			
MAR	28	USCGS	04 51 32.4, 5.0S, 80.9W, H = 64 Km, M = 4.4					
		PERU ECUADOR BOR REG						
		PNS	P	04 55 24.2		1.6	59	
			eL	05 00				
		LPB	P	04 55 28.2	C	1.5	11	16.6
			eL	59				
MAR	28	USCGS	06 10 12.2, 14.0S, 166.3E, H = 66 Km, M = 4.4					
		NEW HEBRIDES IS						
		LPB	ePKP	06 28 58				118.5
			eL	07 06				
		PNS	ePKP	06 29 01				
			eL	07 06.8				
MAR	28	LPB	eP	07 06 27.5				
		PNS	P	07 06 27.8		0.9	5	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	28	LPB	eP	08 59 43				
		PNS	eP	08 59 44.6				
MAR	28	USCGS	08 59 28.6, 2.3N, 97.2W, H = 33 Km, M = 4.2					
		W OF GALAPAGOS IS						
		LPB	eP	09 06 2				34.1
			eL	16				
		PNS	eP	09 06 11.5				
			L	16.1				
MAR	28	LPB	eP	14 12 13				
		PNS	P	14 12 16.0		0.9	3	
MAR	28	PNS	P	14 34 06				2.3
			S	33				
MAR	28	PNS	P	15 57 47		1.0	3	
MAR	28	PNS	iP	16 21 25.2	D	0.5	7	2.5
			iS	54.8				
		LPB	eP	16 21 28				3.0
			S	22 03.5				
MAR	28	LPB	eP	17 43 21				
		PNS	P	17 43 22.3		0.7	4	
MAR	28	USCGS	19 32 25.4, 17.1N, 122.4E, H = 51 Km, M = 5.3					
		LUZON PHILIPPINE IS						
		LPB	PKP	19 52 32.6		1.5	38	169.6
			eL	20 52				
		PNS	PKP	19 52 32.7		1.5	20	
			ePKP2	53 42.6				
			eSS	20 17 30				
			L	52.7				
MAR	28	PNS	P	20 20 06.8		0.5	2	2.7
			eS	39				
MAR	28	LPB	eP	21 34 25				
		PNS	P	21 34 28.4	C	1.5	20	
MAR	28	USCGS	21 23 05.6, 17.1N, 122.6E, H = 47 Km, M = 4.4					
		LUZON PHILIPPINE IS						
		LPB	ePKP	21 43 08				169.5
			eL	22 43				
		PNS	eL	22 43				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	28	PNS	P	22 05 21.6	C	0.6	3	1.9
			iS	44.6				
MAR	28	LPB	P	22 06 10.7				4.0
			S	58				
MAR	28	LPB	eP	23 11 40.5				
		PNS	P	23 11 42.6		0.9	3	
MAR	28	PNS	P	23 23 21	C	0.8	5	3.2
			eS	58				
MAR	28	LPB	P	23 52 23.5		0.9	44	2.8
			S	56.6				
		PNS	iP	23 52 32.6	D	0.7	15	1.9
			iS	55.4				
		CHA	iP	23 52 32.8	D			
MAR	28	USCGS	23 50 13.6, 29.8N, 138.7E, H = 411 Km, M = 4.3					
		S OF HONSHU, JAPAN						
		PNS	PKP	00 09 24.1		0.8	2	152.0
		LPB	ePKP	00 09 30.5				
			eL	52				
MAR	29	LPB	P	00 25 13.5		0.6	15	
			i	32.5				
		CHA	P	00 25 15.1				
		PNS	iP	00 25 17.5		0.6	13	7.7
			S	26 44.3				
MAR	29	USCGS	01 07 24.0, 4.8S, 103.2E, H = 92 Km, M = 5.3					
		S SUMATRA						
		PNS	ePKP	01 27 03				
			eL	02 20.5				
		LPB	ePKP	01 27 13				157.0
			eL	02 21				
MAR	29	PNS	P	02 08 14.0				1.9
			S	37.4				
MAR	29	LPB	P	03 53 26.5		1.0	14	
		PNS	iP	03 53 31.0	C	0.8	4	5.7
			S	54 36				
MAR	29	LPB	P	04 42 05.7		0.8	6	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	29	PNS	iP	05 33 02.7	D	0.6	3	1.9
			S	25.7				
		LPB	eP	05 33 10				
MAR	29	PNS	eP	06 00 33				
			L	33.8				
		LPB	eP	06 00 41.5				
			eL	33				
MAR	29	USCGS	06 53 10.8, 27.3N, 100.1E, H = 33 Km, M = 4.9					
		YUNNAN PROV, CHINA						
		LPB	ePKP	07 13 11.5				168.5
			eL	08 13				
		PNS	eL	08 13				
MAR	29	PNS	iP	07 17 13.3	D	0.5	4	1.8
			S	35.4				
MAR	29	PNS	iP	07 55 08.9	D	0.8	3	3.2
			iS	46.0				
		LPB	P	07 55 14.5			6	
MAR	29	LPB	eP	08 36 40.5				
		PNS	P	08 36 47	D	0.7	3	10.5
			S	38 45				
MAR	29	USCGS	09 31 31.1, 7.4S, 68.1E, H = 33 Km, M = 5.0					
		CHAGOS ARCHIPIELAGO REG						
		LPB	ePKP	09 51 11.5				130.5
MAR	29	USCGS	10 33 38.4, 2.4S, 138.5E, H = 38 Km, M = 5.5					
		NEW GUINEA						
		PNS	PKP	10 53 21.6		2.2	148	
			PKP2	29.0				
			eL	11 43.2				
		LPB	ePKP	10 53 22		2.4	144	147.5
			iPKP2	29				
			eL	11 43				
MAR	29	PNS	P	12 12 28.6		0.6	1	
		LPB	eP	12 12 30				
MAR	29	LPB	P	12 56 24		0.8	9	

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	29	USCGS	12 49 15.7, 16.4S, 168.2E, H = 10 Km, M = 4.7					
		NEW HEBRIDES						
		LPB	ePKP	13 07 38.5		0.9	10	115.1
			eL	26				
		PNS	ePKP	13 07 54.8				
			eL	26				
MAR	29	USCGS	13 12 52.7, 16.5S, 168.1E, H = 33 Km, M = 4.9					
		NEW HEBRIDES IS						
		PNS	L	14 07.6				
		LPB	eL	14 07.7				116.2
MAR	29	PNS	iP	16 32 09.3	C	0.6	4	3.1
			S	45.8				
MAR	29	PNS	P	16 46 01.1				1.9
			S	24.3				
MAR	29	LPB	eP	17 12 15				
		PNS	P	17 12 16.3	C	0.6	5	
MAR	29	USCGS	17 09 21.9, 20.1S, 179.0W, H = 610 Km, M = 4.6					
		FIJI IS REG						
		LPB	eL	17 58				103.0
MAR	29	USCGS	19 53 57.8, 15.2S, 172.9W, H = 33 Km, M = 4.7					
		SAMOA IS REG						
		LPB	eP	20 07 29				99.0
			eL	41				
		PNS	eL	20 41.8				
MAR	29	PNS	eP	20 38 52				3.4
			S	39 32				
MAR	29	USCGS	20 43 21.5, 8.5S, 122.5E, H = 96 Km,					
		FLORES IS REG						
		LPB	ePKP	21 02 12				150.2
			eL	54				
MAR	29	LPB	eP	22 16 25.5				
		PNS	iP	22 16 27.6	D	0.6	8	1.9
			S	50.2				

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	29	USCGS	22 16 26.8, 24.0S, 66.1W, H = 196 Km, M = 4.2 SALTA PROVINCE, ARGENTINA					
		LPB	P	22 18 18		0.9	22	7.8
			S	19 45				
		CHA	P	22 18 19.4				
		PNS	P	22 18 21.5		0.7	9	
			S	19 47.4				
MAR	29	LPB	eP	23 33 03				
		PNS	P	23 33 34.6		0.5	4	2.2
			S	34 00.4				
MAR	30	PNS	eP	00 00 23				
		LPB	eP	00 00 24				
MAR	30	PNS	P	00 37 31.3	C	0.4	1	1.8
			S	53.6				
MAR	30	PNS	P	01 28 43				3.8
			eS	29 27				
MAR	30	CHA	eP	02 15 59.6	D			
MAR	30	USCGS	02 08 02.4, 11.0S, 115.5E, H = 33 Km, M = 6.0 S OF BALI IS					
		LPB	PKP	02 27 53	D	1.4	72	151.6
			i	59.8				
			PP	31 41.8				
			eSS	51 21				
			L	03 20.8				
		PNS	iPKP	02 27 53.5	D	1.7	136	
			PP	31 43.9				
			SS	51 07				
			eG	03 10.4				
			L	20.5				
MAR	30	PNS	P	03 08 09		0.7	4	
		LPB	eP	03 08 10.5				
MAR	30	PNS	P	03 19 15.5		1.0	12	
		LPB	eP	03 19 21.5		1.0	8	
MAR	30	PNS	P	03 23 02.5		0.6	5	
MAR	30	USCGS	03 27 41.5, 85.7N, 86.0E, H = 33 Km, M = 4.4 N OF SEVERNAYA ZEMLYA					
		LPB	eL	04 21				112.5

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	30	USCGS	05 30 42.4, 13.6N, 89.7W, H = 33 Km, M = 4.0					
		EL SALVADOR						
		LPB	eP	05 38 16.7				41.4
			eL	50				
MAR	30	LPB	eP	07 28 25		1.0	6	
		PNS	P	07 28 25.4		0.8	3	
MAR	30	USCGS	08 41 13.9, 86.4N, 71.6E, H = 33 Km, M = 4.8					
		N OF SEVERNAYA ZEMLYA						
		LPB	PKP	08 59 44.5				111.6
MAR	30	LPB	eP	09 14 49				
		PNS	P	09 14 50.5		0.5	2	
MAR	30	LPB	eP	12 28 15				
		PNS	P	12 28 38.3		0.6	2	
MAR	30	USCGS	13 09 51.1, 36.2N, 70.9E, H = 172 Km, M = 4.4					
		HINDU KUSH REGION						
		LPB	ePKP	13 28 58				138.7
			eL	14 16				
MAR	30	LPB	eP	17 17 10.5		0.8	15	4.8
			S	18 05.5				
MAR	30	LPB	eP	18 37 22				
		PNS	eP	18 37 50				
MAR	30	USCGS	19 17 54.8, 54.1N, 163.1W, H = 18 Km, M = 3.9					
		UNIMAK IS REG						
		LPB	eL	19 17				125.3
		PNS	eL	20 17.3				
MAR	30	PNS	eP	21 08 32				20.1
			i	55.4				
			eS	12 12				
MAR	30	USCGS	23 04 45.8, 16.9S, 176.9W, H = 33 Km, M = 5.1					
		FIJI IS REG						
		LPB	eP	23 18 14.5				102.1
			eL	53				
		PNS	eP	23 18 34				
			PP	22 54				
			eSS	37 30				
			eG	46.7				
			L	52.9				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	30	PNS	eP	23 38 04				
		LPB	eP	23 38 05				
MAR	30	LPB	P	23 51 26.5		0.6	11	
		PNS	P	23 51 29	C	0.8	5	
MAR	31	PNS	eP	00 18 13				
MAR	31	LPB	P	00 34 43.2		0.6	10	3.2
			S	35 21				
		PNS	iP	00 34 45.6	D	0.6	11	3.3
			S	35 25				
MAR	31	LPB	P	02 14 24.2		0.7	6	
			e	39.5				
		PNS	P	02 14 40		0.6	3	
MAR	31	LPB	eP	02 30 16.5				
		PNS	iP	02 30 20	D	0.5	3	
MAR	31	PNS	iP	02 31 28.4	D	0.6	13	2.2
			S	54				
		LPB	eP	02 31 29		0.8	8	2.2
			S	55.5				
MAR	31	USCGS	02 12 17.8, 52.1N, 169.7W, H = 28 Km, M = 4.8					
		FOX IS, ALEUTIAN IS						
		LPB	ePKP	02 30 14.5				110.0
			eL	03 05				
		PNS	eL	03 04.7				
MAR	31	USCGS	03 18 20.2N, 38.6E, H = 33 Km, M = 4.8					
		RED SEA						
		LPB	ePKP	03 36 52				112.2
			eL	04 11				
		PNS	ePKP	03 36 56.8				
			eL	04 11.9				
MAR	31	PNS	iP	04 37 45.6	D			1.0
			iS	59.0				
		LPB	eP	04 37 52				
MAR	31	USCGS	06 43 08.6, 39.0N, 28.5W, H = 33 Km, M = 4.4					
		AZORES IS						
		PNS	P	06 53 57.8		1.2	7	
		LPB	P	06 54 05				68.4

International Seismological Centre From the ISC collection scanned by SISMOS

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	31	USCGS	06 54 38.8, 12.8N, 123.1E, H = 33 Km, M = 5.1 LUZON, PHILIPPINE IS					
		LPB	ePKP	07 14 26.2				168.0
			eL	08 15				
		PNS	ePKP	07 14 39.4				
			eL	08 14.2				
MAR	31	PNS	P	08 27 32.8		0.7	3	
			i	39.8				
			e(S)	30 40				
		LPB	eP	08 27 41				
			i	43.5				
MAR	31	USCGS	09 15 29.1, 51.8N, 176.2E, H = 48 Km, M = 4.5 RAT IS ALEUTIAN IS					
		LPB	ePKP	09 34 19				118.8
			eL	10 11				
		PNS	eL	10 11.7				
MAR	31	USCGS	10 29 43.5, 35.7S, 102.7W, H = 33 Km, M = 4.9 S PACIFIC OCEAN					
		PNS	iP	10 36 45.2	C	1.5	100	
			PP	38 12				
			S	42 28				
			SS	45 10				
			L	47				
		LPB	P	10 36 45.7		1.4	48	36.0
			pP	52.2				
			S	42 33.5				
			SS	45 13				
			L	47				
MAR	31	USCGS	10 34 00.5, 35.6S, 103.0W, H = 33 Km, M = 4.8 S PACIFIC OCEAN					
		PNS	iP	10 41 04.2	C	1.6	78	
		LPB	P	10 41 04.7		1.3	49	36.0
			eL	51				
MAR	31	LPB	P	10 56 09.5		0.8	18	
		PNS	P	10 56 12.5		0.7	10	7.8
			S	57 41				
MAR	31	LPB	P	13 27 54.2		0.7	13	
MAR	31	PNS	P	13 49 51.8		0.6	3	2.0
			S	50 16				
MAR	31	LPB	eP	14 08 02				
		PNS	eP	14 08 05				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
MAR	31	LPB	eP	14 55 32				
		PNS	eP	14 55 33.8				
MAR	31	USCGS	15 08 51.0, 36.3N, 138.6E, H = 33 Km, HONSHU, JAPAN					
		PNS	ePKP	15 28 34.4				
			eL	16 18.3				
		LPB	ePKP	15 28 35				148.2
			eL	16 18				
MAR	31	LPB	P	15 39 36				
		PNS	P	15 39 39.7		0.5	9	
	31	USCGS	37 34.7, 2.6N, 128.8E, H = 131 Km, M = 4.7 HALMAHERA					
		LPB	eL	19 52				158.4
		PNS	ePKP	18 57 15.2				
			eL	19 52.5				
MAR	31	LPB	eP	20 24 50.5				
		PNS	P	20 24 53				
MAR	31	USCGS	20 05 18.9, 15.4S, 167.5E, H = 132 Km, M = 5.3 NEW HEBRIDES IS					
		PNS	ePKP	20 23 48.4				
			iSKS	34 56				
			L	21 00.5				116.4
		LPB	eL	21 00				
MAR	31	USCGS	21 06 56.5, 34.2N, 139.2E, H = 12 Km, M = 4.5 NR CST OF HONSHU, JAPAN					
		LPB	ePKP	21 26 46				153.0
			eL	22 20				
		PNS	ePKP	21 26 48.7		1.0	4	
			eL	22 20.4				
MAR	31	LPB	eP	21 40 29		0.7	8	
MAR	31	PNS	P	21 41 01.2		0.8	4	4.4
			S	52				
MAR	31	CHA	iP	23 48 44.3	D			
		PNS	iP	23 48 47.4	D	0.6	52	
		LPB	iP	23 48 49.4	D	0.6	182	0.5
			eS	57				

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