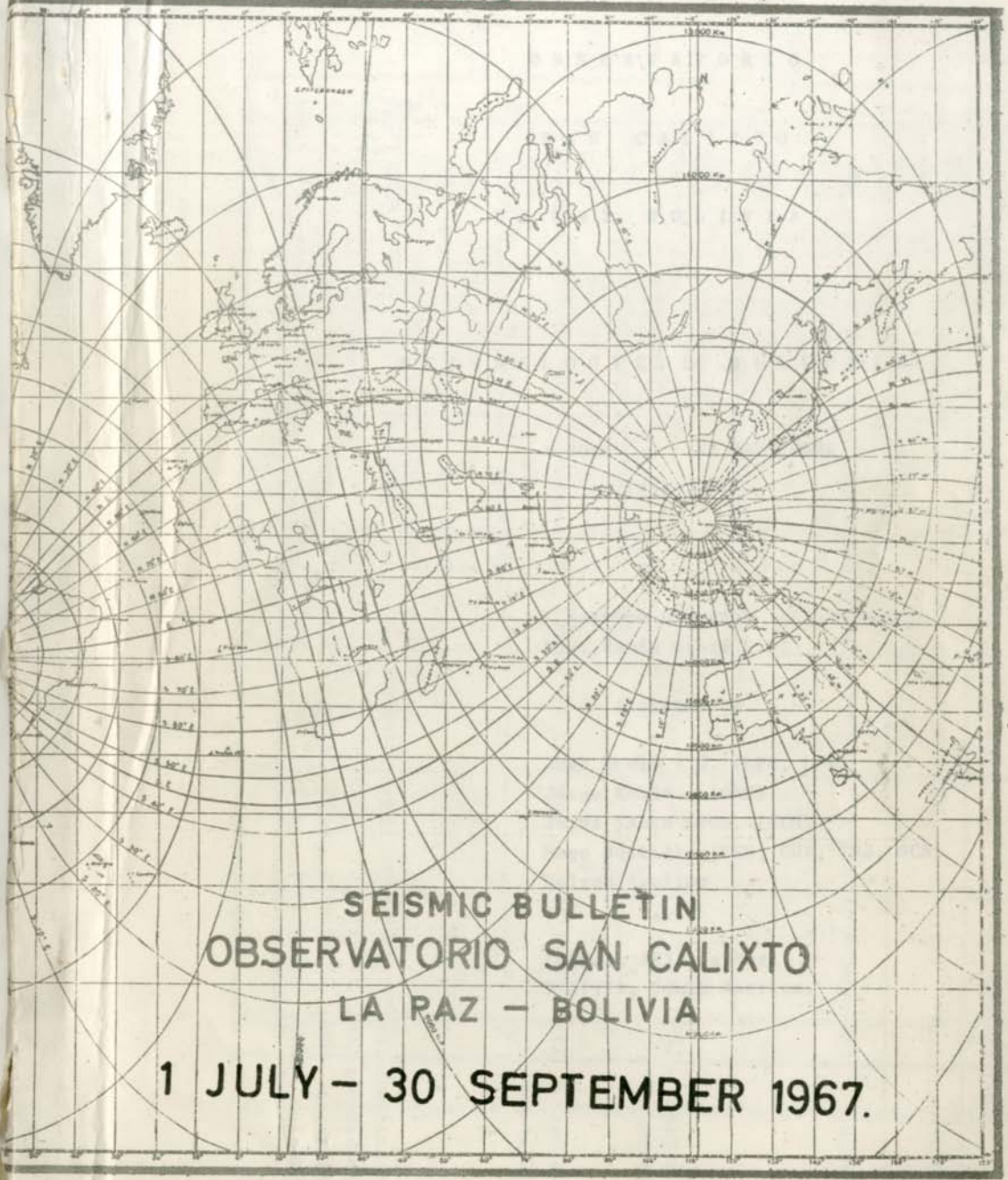
Punch all Pov PKP, Sovsk

BUT NOT: FOR PNS LPB CHA

PWS

PARA LA PAZ



SEISMIC BULLETIN

OBSERVATORIO SAN CALIXTO

LA PAZ – BOLIVIA

1 JULY – 30 SEPTEMBER 1967.

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

S A N C A L I X T O

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

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

1 JULY - 30 SEPTEMBER

1967

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Casilla 283, La Paz,
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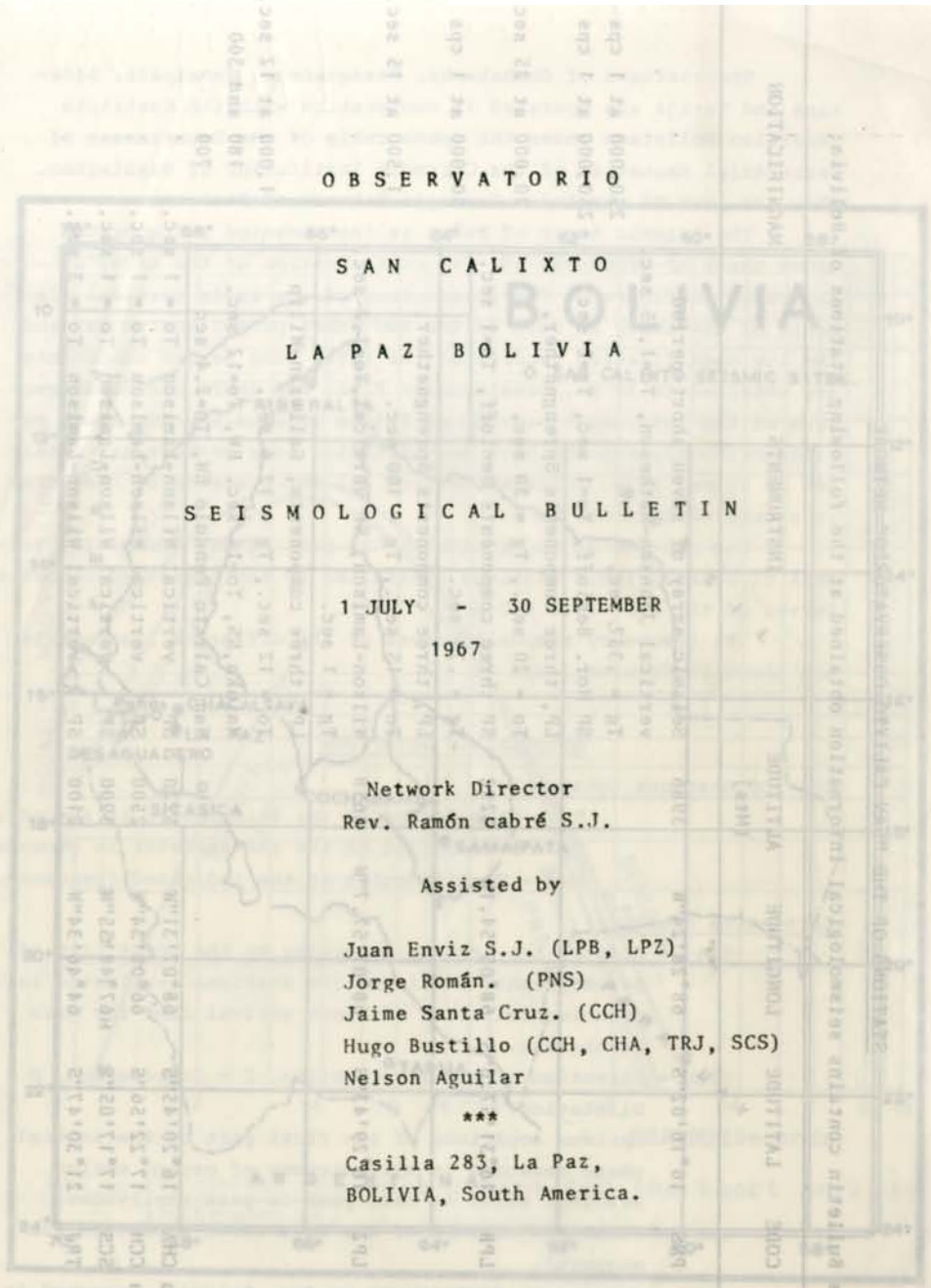

Fig. 1 Location of Bolivian network of seismic stations.

STATIONS OF THE "SAN CALIXTO OBSERVATORIO" NETWORK

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

LOCATION	CODE	LATITUDE	LONGITUDE	ALTITUDE (Mts)	INSTRUMENTS	MAGNIFICATION
Peñas	PNS	16°16'02"S	68°28'24"W	3986	Seismic array of seven short-period vertical Johnson-Matheson, To=1.25 sec. Tg = .337 sec.	250.000 at 1 cps
					SP Hor. Benioff, To=1 sec, Tg=2 sec.	250.000 at 1 cps
					LP, three components Sprengnether, To = 20 sec., Tg = 30 sec.	20.000 at 25 sec.
La Paz (WWNSS)	LPB	16°31'57.6"S	68°05'54.1W	3292	SP three components Benioff, To=1 sec. Tg = .75 sec.	50.000 at 1 cps
					LP, three components Sprengnether, To = 15 sec., Tg = 100 sec.	1.500 at 15 sec.
La Paz (Colegio)	LPZ	16°29'43"S	68°07'57.7"W	3658	Wilson-Lamison, SP vertical, To=1.2 sec. Tg = 1 sec.	
					LP, three components, Galitzin-Wilip To = 12 sec., Tg = 12.6 sec.	1.000 at 12 sec.
					Mainka, NS, To=14 sec. EW, To=12 sec.	180 and 300
					San Calixto Pendulo EW, To=2.4 sec	700
Chacaltaya	CHA	16°20'45"S	68°07'31"W	5220	SP vertical Wilson-Lamison To = 1 sec.	
Cochabamba	CCH	17°22'56"S	66°08'34"W	2500	SP vertical Wilson-Lamison To = 1 sec.	
Sicasica	SCS	17°17'05"S	67°48'55"W	3900	SP vertical Wilson-Lamison To = 1 sec.	
Tarija	TRJ	21°30'47"S	64°46'34"W	2100	SP vertical Wilson-Lamison To = 3 sec.	

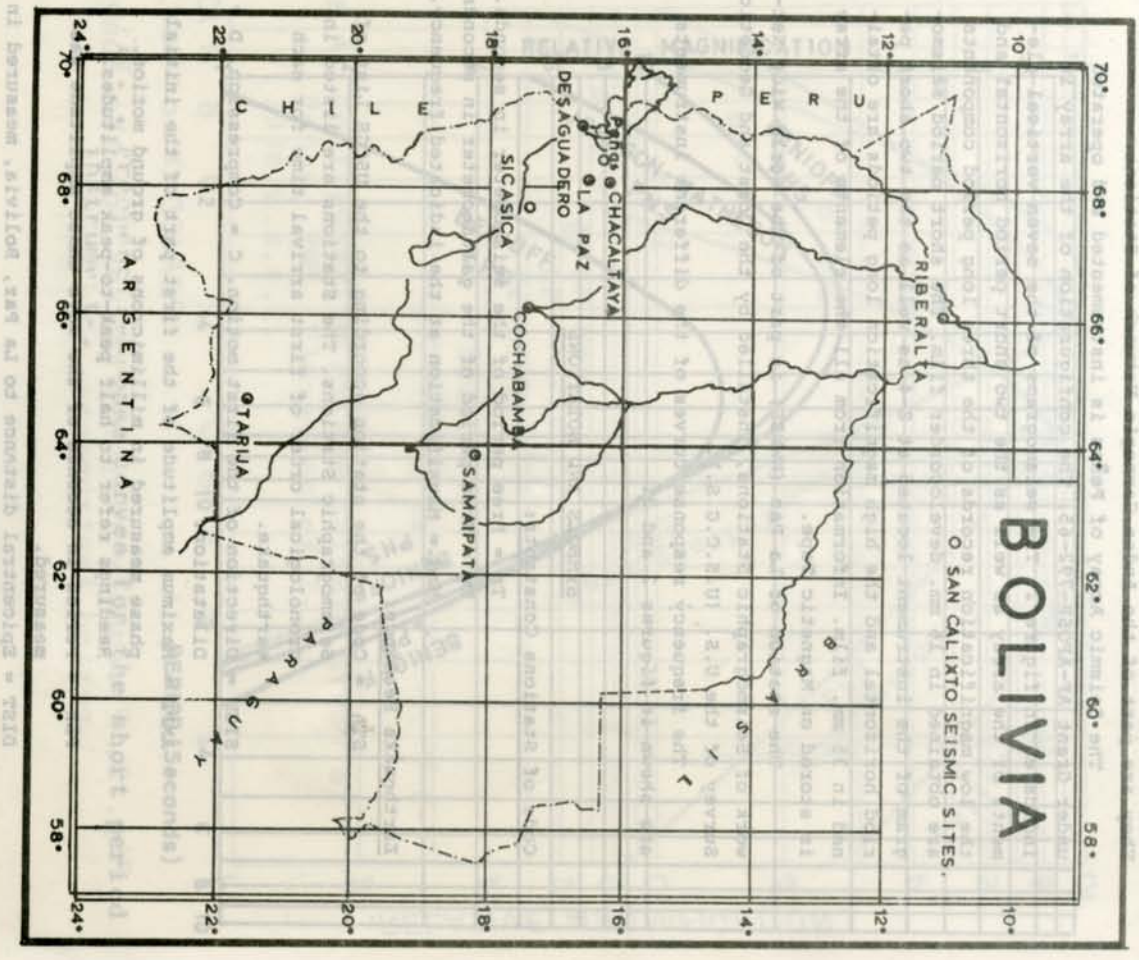

Fig.1. Location of Bolivian network of seismic stations.

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

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

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

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

SYMBOLS AND NOTATIONS

Code of Stations Constants:

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

Earthquake Readings:

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

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

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

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

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

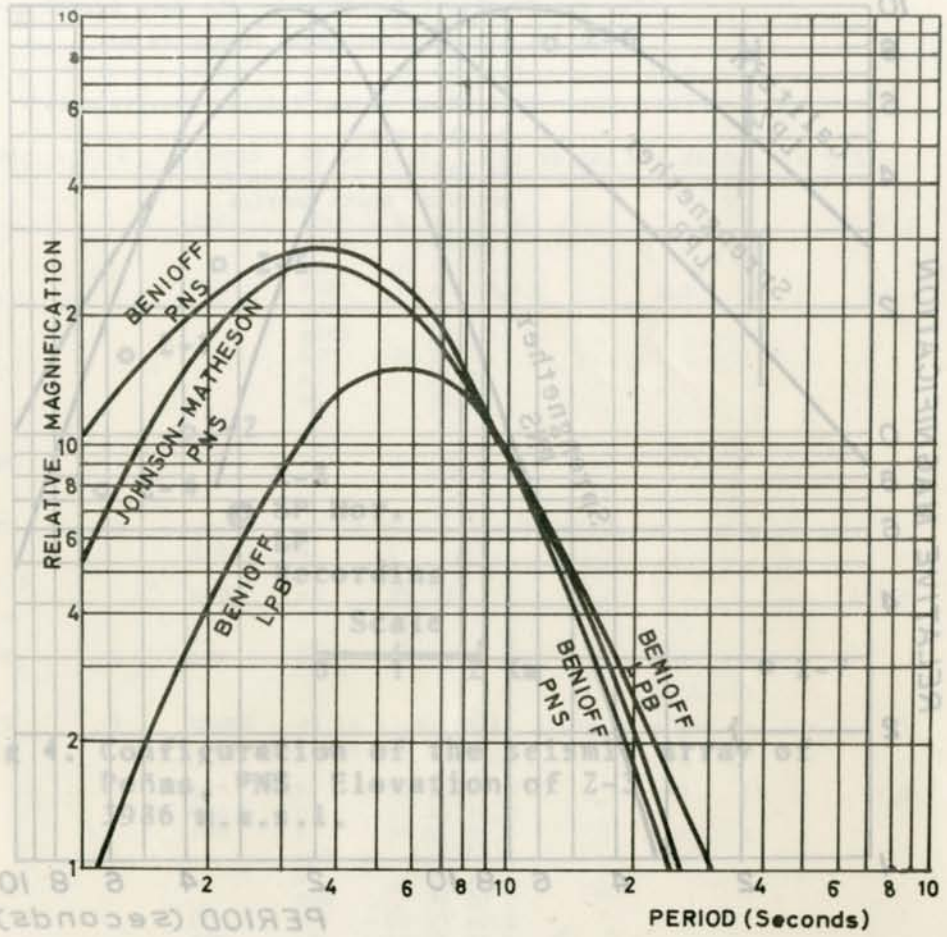

Fig. 7. Frequency response curves for the short period instruments.

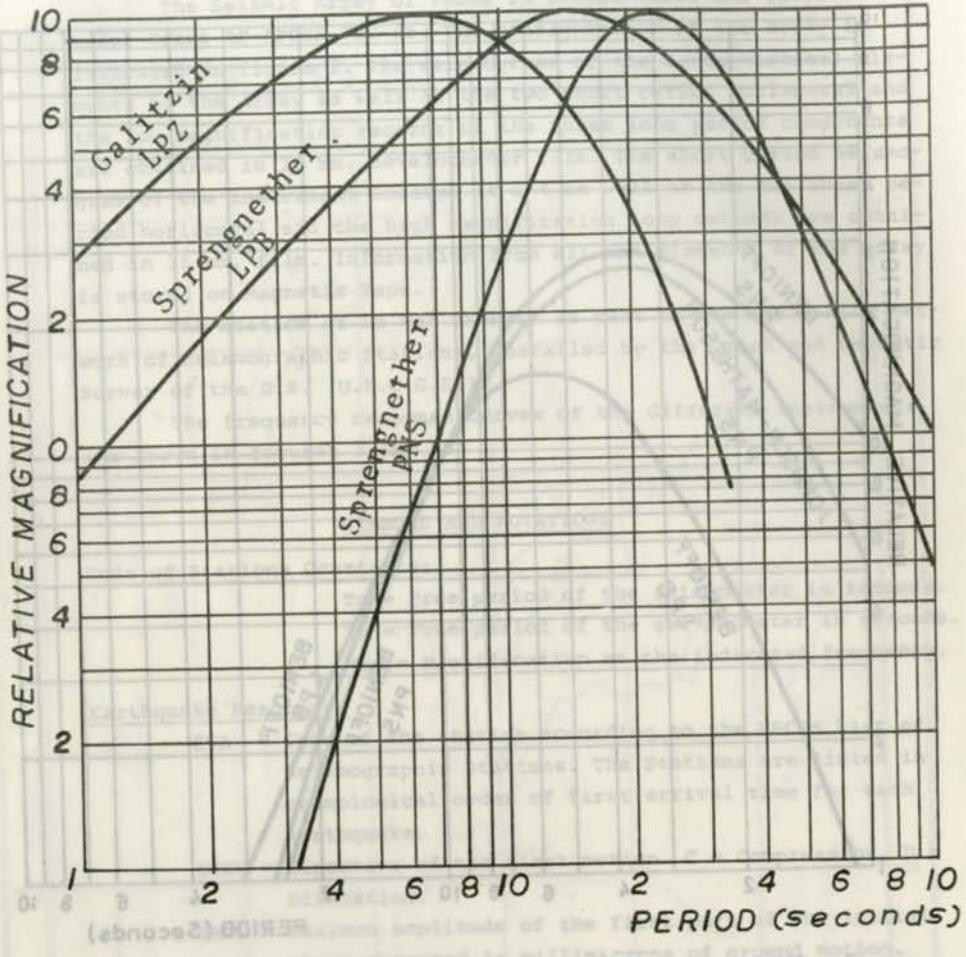

Fig. 2. Frecuency response curves for the long period instruments.

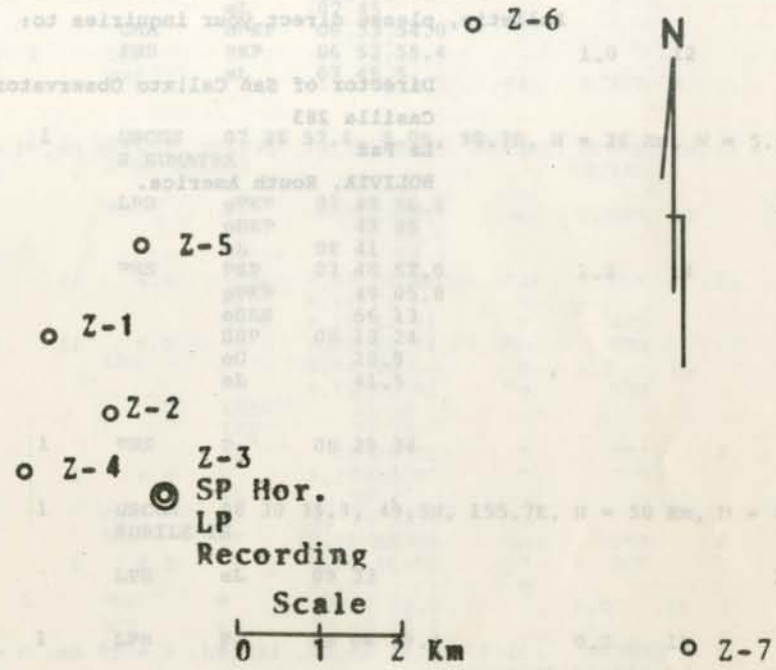

Fig 4. Configuration of the seismic array of Peñas, PNS Elevation of Z-3 : 3986 m.a.s.l.

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

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

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

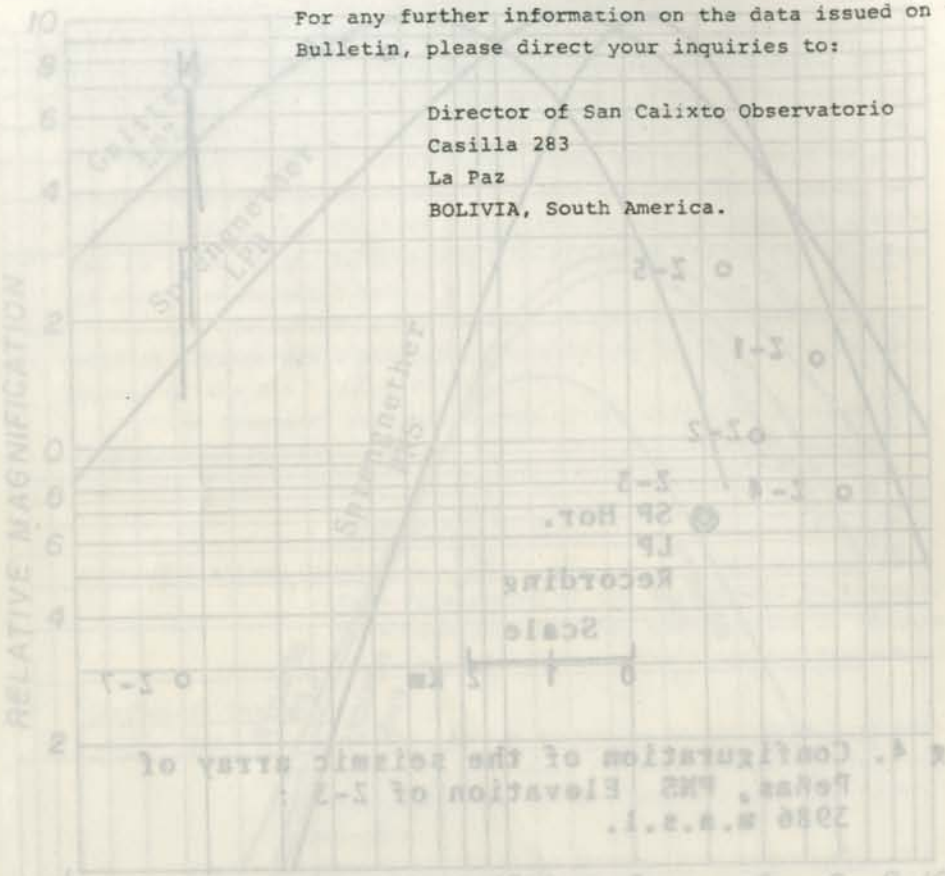

Fig. 2. Frecuency response curves for the long period instruments.

MONTH	DAY	STA	PHASE	TIME	SIGN	PLR	AMPL	DIST
JUL	1	USCGS	06 34 06.4, 28.7N, 142.3E, H = 33 Km, M = 4.4					
		BONIN IS REG						
		LPB	ePKP	06 53 47		1.0	150.3	
			pPKP	56.5				
			eL	07 45				
		CHA	ePKP	06 53 54.0				
		PNS	PKP	06 53 55.4		1.0	12	
			eL	07 45.5				
JUL	1	USCGS	07 28 57.6, 8.0S, 98.7E, H = 26 Km, M = 5.5					
		S SUMATRA						
		LPB	ePKP	07 48 56.8				152.2
			pPKP	49 05				
			eL	08 41				
		PNS	PKP	07 48 57.0		1.2	14	
			pPKP	49 05.8				
			eSKS	56 13				
			SSP	08 13 24				
			eG	28.9				
			eL	41.5				
JUL	1	PNS	P	08 29 34				
JUL	1	USCGS	08 30 35.9, 49.5N, 155.7E, H = 58 Km, M = 4.5					
		KURILE IS						
		LPB	eL	09 33				131.8
JUL	1	LPB	P	09 06 59.4		0.3	18	
JUL	1	USCGS	09 16 43.8, 56.2, 27.3W, H = 126 Km, M = 5.0					
		S SANDWICH IS REG						
		LPB	P	09 25 29.5		1.0	15	49.7
		CHA	P	09 25 30.3				
		PNS	P	09 25 33.0		0.9	14	
			ipP	59.1				
			S	32 37.7				
			eSS	36 20				
		CCH	eP	09 25 42.2				
		SCS	eP	09 25 57.0	D			
JUL	1	USCGS	09 45 48.1, 58.7S, 24.8W, H = 33 Km, M = 5.1					
		S SANDWICH IS REG						
		LPB	eP	09 55 01.5				52.5
			eL	10 11				
		PNS	P	09 55 04.1		0.8	7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	1	CCH	iP	14 30 04.8	C			
		SCS	iP	14 30 07.7	C			
		LPB	P	14 30 09.5				13.1
			pP	20				
			S	32 35				
			L	34.1				
		PNS	P	14 30 11.0		0.8	6	12.7
			iPP	24.2				
			S	32 32				
			L	34				
		CHA	iP	14 30 11.6				
JUL	1	USCGS	15 02 40.2, 19.5N, 155.3W, H = 32 Km, M = 4.2					
		HAWAII						
		PNS	eL	15 47.9				92.7
JUL	1	PNS	iP	18 21 53.6	C	0.6	19	4.0
			S	22 39.4				
		CHA	P	18 21 57.4	C			
		LPB	eP	18 21 58.5		0.8	11	4.3
			S	22 40.4				
		SCS	eP	18 22 13.0				
JUL	1	LPB	P	20 26 33				
		PNS	P	20 26 35.8		0.5	2	
JUL	1	LPB	eP	20 31 32.6				
		PNS	P	20 31 35.7		0.5	2	1.9
			S	58.8				
JUL	1	USCGS	21 22 10.0, 34.0N, 161.0W, H = 19 Km, M = 4.5					
		ALASKA PENINSULA						
		LPB	eL	22 09				104.7
JUL	1	LPB	eP	21 40 03				
			e	35				
		PNS	P	21 40 07.2				
			e	20.4				
		CCH	eP	21 40 18.9				
JUL	1	LPB	eP	22 00 12		0.7	6	
		PNS	iP	22 00 17.7	C	0.5	4	5.9
			eS	01 24.5				
JUL	1	PNS	iP	22 24 03.9	D	0.7	25	1.8
			iS	25.1				
		CHA	iP	22 24 05.6	D			
		LPB	P	22 24 06.2		0.7	10	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	1	CCH	P	23 07 42.5	C			
		LPB	P	23 07 43.8	C	1.0	54	
		PNS	iP	23 07 46.0	C	1.0	34	
		CHA	P	23 07 46.6				
		SCS	iP	23 07 47.1	D			
JUL	1	LPB	eP	23 10 48.2				
		PNS	P	23 10 50.5		0.7	2	
JUL	1	USCGS	23 10 07.2, 54.4N, 158.0W, H = 33 Km, M = 6.2					
		S OF ALASKA						
		PNS	eP	23 24 02.7		1.0	33	
			pP	28 24.8				
			iS	35 57				
			iPS	37 30.0				
			SS	43 23				
			eG	55.3				
			eL	00 59				
		LPB	eP	23 24 04.2		1.2	15	103.2
			pP	28 30				
			iSKS	34 30				
			iPS	37 36				
			SS	43 19				
			G	55.1				
			eL	59				
		CCH	eP	23 24 12.0				
		SCS	eP	23 24 22.6				
JUL	1	PNS	P	23 40 23.2		1.0	11	
		LPB	eP	23 40 25.2				
		SCS	eP	23 40 27.7				
JUL	2	USCGS	01 06 15.0, 36.6N, 140.6E, H = 49 Km, M = 4.2					
		NR E CST OF HONSHU, JAPAN						
		LPB	eL	02 16				147.6
		PNS	ePKP	01 25 54.5				
			eL	02 16.1				
JUL	2	PNS	eP	02 01 26.4				6.1
			eS	02 36				
JUL	2	PNS	iP	04 53 24.6				2.0
			S	48.4				
		CHA	iP	04 53 27.6				
JUL	2	PNS	P	05 21 16.3				1.8
			S	38.4				
		LPB	eP	05 21 21.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	2	LPB	P	05 35 02.8				3.2
			S	40.6				
		PNS	P	05 35 04.8	C	0.5	2	3.4
			S	45				
		CHA	eP	05 35 05.1				
JUL	2	USCGS	06 06 50.2, 55.3N, 161.8E, H = 40 Km, M = 4.3					
		KAMCHATKA						
		LPB	ePKP	06 25 55				127.3
JUL	2	PNS	iP	06 38 09.0	D	0.7	13	2.0
			S	32.8				
		CHA	iP	06 38 11.2	C			
		LPB	P	06 38 11.5		0.8	4	
JUL	2	USCGS	07 35 52.9, 8.7N, 93.8E, H = 33 Km, M = 5.7					
		NICOBAR IS REG						
		CHA	ePKP	07 23 35.6				
		PNS	ePKP	07 23 53		1.3	28	
			PP	28 21				
			SKS	30 57				
			SS	48 40				
			G	08 12				
			eL	20.3				
		LPB	PKP	07 03 53.5		1.3	15	160.6
			pPKP	24 03.3				
			PKP2	42				
			eSKS	31 38				
			eSS	48 47				
			eG	08 11.7				
			eL	08 28				
		CCH	ePKP	07 23 56.8				
		SCS	ePKP	07 24 13.7				
JUL	2	USCGS	07 38 15.0, 33.0N, 141.6E, H = 39 Km, M = 5.0					
		OFF E CST OF HONSHU, JAPAN						
		PNS	PKP	07 57 56.2		1.4	13	
			pPKP	58 04.3				
		LPB	eP	07 57 59.2		1.0	32	148.5
			pPKP	58 15.8				
			eL	08 48				
		CHA	PKP	07 58 02.0				
		CCH	PKP	07 58 06.1	C			
		SCS	PKP	07 58 17.6				
JUL	2	USCGS	10 09 13.2, 54.7N, 157.7W, H = 32 Km, M = 4.8					
		S OF ALASKA						
		LPB	eL	10 58				103.2

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	2	LPB	eP	10 34 57				
		PNS	eP	10 35 01				1.9
			iS	23.8				
JUL	2	CHA	P	10 57 47.7				
		PNS	iP	10 57 49.1	D	0.5	2	2.0
			S	58 13.2				
		LPB	eP	10 57 49.5				
JUL	2	LPB	eP	11 36 49.4				
		PNS	P	11 36 55.7	D	0.5	1	1.9
			S	37 18.7				
		CHA	eP	11 36 58.5				
JUL	2	PNS	eP	12 52 36.6				
		LPB	eP	12 52 37.1				
JUL	2	LPB	eP	13 11 49.4				
		PNS	eP	13 11 50.8				
JUL	2	USCGS	13 22 41.6, 23.2N, 142.9E, H = 41 Km, M = 4.5					
		VOLCANO IS REG						
		PNS	ePKP	13 42 26		1.4	13	
		LPB	PKP	13 42 29		1.2	22	150.3
			eL	14 33				
JUL	2	USCGS	14 09 37.6, 8.5N, 93.8E, H = 36 Km, M = 5.2					
		NICOBAR IS REG						
		LPB	ePKP	14 30 36				160.4
		PNS	ePKP	14 29 37.3				
			eL	15 25.7				
JUL	2	LPB	eP	16 34 30.1				
		PNS	P	16 34 42.1	D	0.8	3	1.6
			S	35 03.8				
JUL	2	USCGS	16 15 48.4, 32.9N, 141.7E, H = 19 Km, M = 5.0					
		S OF HONSHU, JAPAN						
		LPB	ePKP	16 35 33.6		1.0	30	148.5
		PNS	PKP	16 35 34.3		1.8	109	
			eL	17 26				
		CHA	PKP	16 35 37.5				
		CCH	PKP	16 35 42.2				
		SCS	PKP	16 35 54.6				
JUL	2	USCGS	16 48 11.8, 7.0N, 72.8W, H = 113 Km, M = 3.9					
		N COLOMBIA						
		PNS	P	16 53 13.1		0.5	2	
			iPP	45.4				
		LPB	eP	16 53 15.7				23.4
			eL	17 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	2	LPB	P	19 13 11.6		1.0	10	
		PNS	P	19 13 12.7		0.6	2	
JUL	2	USCGS	20 34 36.2, 31.2N, 130.1E, H = 181 Km, M = 4.9					
		KYUSHU, JAPAN						
		PNS	PKP	20 54 14.7		1.3	20	
			iPKP2	46.2				
		LPB	PKP	20 54 15.1		0.4	10	157.5
			PKP2	47.6				
		CCH	PKP	20 54 16.6				
JUL	2	USCGS	22 00 38.1, 23.0N, 142.7E, H = 40 Km, M = 4.7					
		VOLCANO IS REG						
		PNS	ePKP	22 20 23		0.8	4	
			iPKP2	30.0				
		LPB	ePKP	22 20 24.8				150.3
			PKP2	31.4				
		SCS	P	22 20 43.1				
JUL	2	LPB	P	22 57 13.4		0.6	18	5.8
			S	58 19.6				
		PNS	iP	22 57 17.0	C	0.5	10	5.9
			S	58 24				
JUL	2	LPB	eP	23 18 26.5				2.3
			eS	53.1				
		PNS	iP	23 18 29.1	C	0.5	2	2.3
			S	56.0				
JUL	2	LPB	P	23 29 15.1		0.7	7	
		PNS	P	23 29 18.9	C	0.8	6	7.6
			eS	30 45				
JUL	2	PNS	P	23 59 44.7	D	0.6	3	2.3
			S	00 00 12				
		LPB	P	23 19 48.4		0.7	8	
JUL	3	USCGS	00 13 11.0, 6.9S, 155.1E, H = 85 Km, M = 4.8					
		SOLOMON IS						
		LPB	eL	01 15				131.4
		PNS	ePKP	00 32 16.6				
			e(PKS)	35 36				
JUL	3	USCGS	03 42 18.2, 12.3N, 143.9E, H = 33 Km, M = 5.0					
		SOUTH OF MARIANA ISLAND						
		LPB	ePKP	04 02 01.4		1.5	49	148.5
			eL	52				
		PNS	ePKP	04 02 03.5		1.7	52	
			eL	53				
		CCH	ePKP	04 02 09.4				
		SCS	ePKP	04 02 20.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	3	PNS	eP	04 39 56.9				4.8
			S	40 52				
JUL	3	LPB	P	05 04 34.4		1.0	17	
		PNS	P	05 04 35.7		0.8	13	
JUL	3	PNS	P	05 17 49.8		0.8	4	
		LPB	P	05 17 50.4		0.9	7	
JUL	3	USCGS	05 09 28.1, 43.6N, 147.0E, H = 33 Km, M = 4.2					
		KURILE IS						
		CCH	ePKP	05 28 39.5				
		LPB	ePKP	05 28 56				
			eL	06 16				140.0
		PNS	ePKP	05 28 58				
JUL	3	USCGS	05 28 11.4, 16.0S, 74.9W, H = 40 Km, M = 4.7					
		NR CST OF PERU						
		PNS	P	05 29 43.6		1.4	180	
			S	30 55				
			eL	31.4				
		LPB	P	05 29 49.6		1.5	35	6.7
			S	31 05.1				
		CCH	P	05 30 05.4				
		SCS	iP	05 30 09.3	D			
JUL	3	PNS	iP	06 45 18.5	D	0.4	4	2.6
			eS	50				
		LPB	eP	06 45 21.8				2.7
			S	53.6				
JUL	3	USCGS	06 54 43.4, 54.6N, 157.7W, H = 33 Km, M = 4.6					
		S OF ALASKA						
		PNS	eL	07 43.8				103.2
JUL	3	PNS	iP	10 25 11.8	C	0.6	4	
		LPB	eP	10 25 13.8				
JUL	3	USCGS	12 43 56.6, 22.8S, 69.0W, H = 97 Km, M = 4.8					
		N CHILE						
		CCH	iP	12 45 27.0				
		LPB	P	12 45 29.6	D	1.3	400	6.3
			S	47 10.1				
		PNS	iP	12 45 32.3	D			
			S	47 14				
		SCS	iP	12 45 33.7	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	3	LPB	eP	16 30 59.6				
		PNS	eP	16 31 01.5		0.9	4	
JUL	3	PNS	P	16 40 58.0		0.6	4	4.1
			S	41 38				
		LPB	eP	16 40 59.5				
JUL	3	LPB	eP	18 36 40.3				
		PNS	P	18 36 41.0		0.6	4	
JUL	3	LPB	eP	19 07 25.8				
		PNS	eP	19 07 28.5		1.0	5	
JUL	3	PNS	P	20 09 40		0.5	1	
		LPB	eP	20 09 42.8				
JUL	3	PNS	eP	21 08 48.6				
			i	54.9				
		LPB	eP	21 08 49.1		0.9	7	
JUL	3	USCGS	21 48 50.9, 7.5S, 13.4W, H = 33 Km, M = 4.8					
		ASCENSION IS REG						
		LPB	eP	21 58 17		1.0	8	54.4
			eS	22 05 52				
			L	22 15				
		PNS	eP	21 58 17.2		1.0	6	
			ipP	24.4				
			eL	22 15.4				
JUL	3	USCGS	23 58 14.2, 8.5S, 74.4W, H = 92 Km, M = 4.4					
		PERU-BRAZIL BOR REG						
		SCS	P	00 01 03.2	D			
		PNS	P	00 00 32.7		1.7	63	
			i	47.4				
			eS	02 15.6				
		CHA	P	00 00 35.6	C			
		LPB	P	00 00 38		1.0	44	9.0
			i	52.6				
		CCH	P	00 00 39.7				
			i	01 01.8				
JUL	4	PNS	eP	00 41 46		1.0	5	
JUL	4	LPB	eP	02 49 16.8				
		PNS	P	02 49 20.0		0.9	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	4	USCGS	07 39 20.4, 11.8N, 87.3W, H = 38 Km, M = 4.0					
		NR CST OF NICARAGUA						
		PNS	P	07 46 00		1.0	6	
			eG	56.5				
		LPB	eP	07 46 03.3		0.9	5	33.9
			e	10.8				
			eL	55				
JUL	4	CCH	P	08 24 02.1				
		LPB	P	08 24 26.8		0.9	46	4.4
			S	25 17.8				
		CHA	P	08 24 27.7				
		PNS	P	08 24 32.1		0.8	5	5.3
			eS	25 33				
JUL	4	LPB	eP	08 50 27.7				
		PNS	eP	08 50 27.8				
			e	38				
JUL	4	PNS	iP	09 43 24.6	D	0.5	4	2.0
			S	48.7				
		CHA	P	09 43 25.6	D			
		LPB	eP	0 : 43 28.1		0.5	4	
JUL	4	USCGS	10 10 16.4, 8.5N, 103.2W, H = 33 Km, M = 4.0					
		OFF CST OF MEXICO						
		PNS	eP	10 10 11.2				
			eL	31				42.3
		LPB	eP	10 18 12.7				
			eL	31				
		CCH	eP	10 18 31.1				
JUL	4	LPB	P	12 19 56.6		0.5	6	
		PNS	P	12 19 57.2		0.8	3	
JUL	4	LPB	eP	12 29 46.4				
		PNS	P	12 29 51.4				
		CHA	P	12 29 53.1				
JUL	4	USCGS	13 29 04.5, 11.6N, 87.2W, H = 33 Km, M = 4.2					
		NR CST OF NICARAGUA						
		PNS	eP	13 35 41.4				
			pP	52				
		LPB	eL	13 46				33.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	4	USCGS	14 16 51.6, 38.1S, 73.4W, H = 28 Km, M = 5.4					
		NR CST OF CENTRAL CHILE						
		CCH	iP	14 21 43.3	C			
		LPB	P	14 21 47.5	C	1.6	422	21.0
			i	58.7				
			PPP	22 27.5				
			iS	25 53				
			L	27.9				
		CHA	iP	14 21 49.1	C			
		PNS	iP	14 21 49.6	C	1.5	9	
			ipP	22 00.4				
			PPP	22.0				
			iS	25 57.3				
			SS	26 33.4				
			L	28				
JUL	4	CCH	iP	14 48 42.5				
JUL	4	USCGS	15 30 36.2, 38.1S, 74.0W, H = 34 Km, M = 4.2					
		OFF CST OF CENTRAL CHILE						
		LPB	P	15 35 30.6		0.6	10	22.0
		PNS	P	15 35 32.2		0.9	6	
			eL	41.6				
JUL	4	PNS	P	16 29 52.5		0.7	7	3.1
			S	30 28.6				
		CHA	eP	16 29 57.9				
JUL	4	CHA	eP	17 34 11.5				
		LPB	eP	17 34 13.5		0.7	6	
		PNS	P	17 34 14.7		0.9	4	
JUL	4	PNS	iP	18 19 08.0	C	0.6	2	
		CHA	P	18 19 08.9	C			
		LPB	eP	18 19 09.2		0.6	13	
JUL	4	LPB	eP	18 30 28.2		0.5	10	3.8
			eS	31 12				
		CHA	P	18 30 28.9				
		PNS	P	18 30 31.8		0.5	2	4.2
			S	31 21				
JUL	4	PNS	iP	18 45 07.9	D	0.8	16	1.8
			iS	30.2				
		CHA	iP	18 45 09.7	D			
		LPB	eP	18 45 10.7		0.5	7	2.2
			S	37.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	4	PNS	iP	19 06 56.3	C	0.4	2	3.4
			eS	07 36				
		LPB	eP	19 07 00				
JUL	4	LPB	eP	19 19 39				
		PNS	iP	19 19 40.9	D	0.6	8	2.1
			S	20 05.7				
JUL	4	PNS	P	19 36 20.5		0.6	2	1.8
			S	43				
		LPB	eP	19 36 23.2		0.5	10	
JUL	4	USCGS	19 29 44.0, 35.5S, 108.7W, H = 33 Km, M = 4.5					
		EASTER IS CORDILLERA						
		PNS	eP	19 37 22.6				
			e	42				
		LPB	eL	19 50				40.4
JUL	4	PNS	P	19 39 35.1		0.8	3	
JUL	4	LPB	eP	20 05 34.4		0.6	8	
		PNS	P	20 05 36.2		0.5	2	
JUL	4	USCGS	22 15 16.3, 8.9N, 103.8W, H = 33 Km, M = 4.2					
		OFF CST OF MEXICO						
		LPB	eP	22 23 10				43.0
			eL	36				
		PNS	eP	22 23 13				
			L	36.1				
JUL	4	USCGS	23 42 13.7, 43.2N, 142.5E, H = 160 Km, M = 5.6					
		HOKKAIDO, JAPAN REG						
		LPB	ePKP	00 01 25.5		1.1	12	142.7
			pPKP	02 08				
			PP	04 34				
			PKS	54				
			eL	50				
		PNS	ePKP	00 01 26.2		1.1	13	
			PP	04 34.4				
			PKS	52.7				
			eL	50				
		CHA	PKP	00 01 28.3				
JUL	4	LPB	eP	00 16 42.5				
		CHA	iP	00 16 43.6	C			
		PNS	P	00 16 44.0	D	0.3	1	2.1
			S	17 09.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	5	CHA	eP	00 35 52.2				
		PNS	eP	00 35 56.4				
JUL	5	USCGS	03 33 29.0, 38.0S, 72.3W, H = 46 Km, M = 3.4					
		CENTRAL CHILE						
		LPB	eP	03 38 18				21.6
		PNS	eP	03 38 21				
JUL	5	USCGS	04 03 06.8, 54.5N, 157.9W, H = 33 Km, M = 4.8					
		S OF ALASKA						
		LPB	eL	04 53				103.3
JUL	5	USCGS	06 20 30.5, 15.1N, 93.8W, H = 33 Km, M= 4.3					
		NR CST OF CHIAPAS, MEXICO						
		PNS	eP	06 27 57				39.6
		LPB	eP	06 28 01				
			eL	40				
JUL	5	USCGS	07 00 15.8, 29.5S, 111.9W, H = 33 Km, M = 4.2					
		EASTER IS REG						
		PNS	P	07 08 05.1		1.3	14	
			ePP	09 43				
			eL	20.6				
		LPB	P	07 08 06.5		1.0	6	41.4
			L	20.4				
JUL	5	PNS	P	07 57 43.2		0.3	2	
		LPB	eP	07 57 45.7				
JUL	5	PNS	P	08 33 06.6		0.4	1	
		LPB	eP	08 33 09.2				
JUL	5	LPB	eP	08 49 19		1.2	9	
			eL	09 05				
		PNS	eP	08 49 26.2				
			eL	09 05.3				
JUL	5	USCGS	09 01 05.3, 25.6N, 126.0E, H = 33 Km, M = 4.7					
		RYUKYU IS						
		LPB	ePKP	09 21 09				163.8
		PNS	eP	09 21 10.4				
JUL	5	LPB	eP	09 24 [illegible]				
			P	[illegible]	C	0.6	4	2.9
				43.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	5	USCGS	10 19 12.9, 6.5N, 73.0W, H = 173 Km, M = 3.8					
		N COLOMBIA						
		LPB	eP	10 24 08				23.2
		PNS	P	10 24 10.0		0.8	5	
			PP	43.0				
JUL	5	LPB	eP	10 30 49				
		PNS	eP	10 30 52				
JUL	5	LPB	eP	11 30 13.5				
		PNS	P	11 30 17.6		0.6	4	
JUL	5	PNS	P	12 54 19.1		0.5	3	
		LPB	eP	12 54 20.7				
JUL	5	USCGS	13 43 22.1, 30.4N, 138.0E, H = 461 Km, M = 4.2					
		S OF HONSHU, JAPAN						
		LPB	ePKP	14 02 18				152.1
		PNS	ePKP	14 02 22				
JUL	5	PNS	eP	14 58 15				
JUL	5	LPB	eP	16 21 04.5				2.8
			S	38				
JUL	5	LPB	P	16 51 03.2		0.6	6	
		PNS	eP	16 51 06		0.6	2	
JUL	5	LPB	eP	17 18 44.8				
		PNS	P	17 18 45.2		0.6	2	
JUL	5	PNS	eP	18 57 14.8				
JUL	5	LPB	P	19 23 43.5		0.6	7	
		PNS	P	19 23 46.0	C	0.4	4	
JUL	5	LPB	P	20 08 18.5		0.7	7	
		PNS	P	20 08 24.5		0.6	2	
JUL	5	LPB	eP	20 47 07				
		PNS	P	20 47 08.3	C	0.9	8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	5	USCGS		21 09 06.1, 13.8N, 122.2E, H = 40 Km, M = 5.1				
		LUZON, PHILIPPINE IS						
		LPB	ePKP	21 29 15				169.3
		PNS	eL	22 29.2				
JUL	5	PNS	P	22 07 50.0		1.0	11	
			i	55.2				
		LPB	P	22 07 50.3		1.0	16	
JUL	5	SCS	P	22 11 52.0	D			
		CHA	iP	22 11 53.9	D			
			S	12 21.6				
		LPB	P	22 11 54.3	D	0.9	29	2.1
			S	12 19.2				
		PNS	iP	22 12 02.2	D	0.8	14	2.6
			S	33				
JUL	6	USCGS		00 15 01.5, 62.7S, 159.4W, H = 33 Km, M = 5.6				
		S PACIFIC CORDILLERA						
		LPB	P	00 26 47	C	1.3	72	76.1
			eL	36				
		PNS	P	00 26 47.8	C	2.0	147	
			eL	51.4				
JUL	6	SCS	P	01 12 58.3				
		CHA	P	01 12 58.8				
		PNS	iP	01 12 58.9	C	1.0	8	2.7
			S	13 31.0				
		LPB	P	01 13 00		0.8	4	2.7
			S	13 32				
JUL	6	LPB	eP	01 40 22.5				
		PNS	iP	01 40 22.9	C	0.6	2	3.7
			S	41 06				
JUL	6	PNS	eP	02 06 08.7				
JUL	6	SCS	P	02 17 43.8	D			
		LPB	P	02 17 48.0		1.0	42	
		CHA	P	02 17 48.9	C			
		PNS	P	02 17 49.0		0.8	11	6.8
			i	18 07.2				
			S	19 07				
JUL	6	LPB	eP	02 44 07				
		PNS	P	02 44 09.6		1.0	6	
			i	14.9				
		SCS	eP	02 44 16.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	6	PNS	eP	03 16 02				
		LPB	P	03 16 10.0				
JUL	6	USCGS		05 06 13.4, 62.4N, 147.4W, H = 59 Km, M = 5.1				
		CENTRAL ALASKA						
		PNS	eP	05 19 49				
			eL	53.6				
		LPB	eP	05 19 50				99.7
			eL	53				
JUL	6	USCGS		05 21 25.3, 56.1S, 27.3W, H = 154 Km, M = 5.0				
		S SANDWICH IS REG						
		SCS	P	05 30 07.6				
		LPB	P	05 30 07.8	C	1.0	30	50.1
			iPP	35.0				
			S	37 09				
			eL	46				
		CHA	iP	05 30 08.2	C			
		PNS	iP	05 30 10.7	C	0.9	20	
			ipP	39.3				
			PP	31 26				
			S	37 16				
			eL	45.4				
JUL	6	PNS	P	07 35 53.3		0.5	2	2.9
			eS	36 27.7				
		LPB	eP	07 35 56				
		CHA	eP	07 35 56.5				
JUL	6	PNS	iP	09 33 49.7	D	0.6	10	1.7
			S	34 11				
		CHA	iP	09 33 51.2	D			
		LPB	P	09 33 52.0				1.8
			S	34 14				
JUL	6	USCGS		10 25 23.6, 17.2S, 71.5W, H = 125 Km, M = 3.8				
		NR CST OF PERU						
		PNS	eP	10 26 10.8		0.9	12	
			i(PP)	25.0				
			L	27				
		CHA	iP	10 26 15.4	D			
		LPB	P	10 26 16.0	D	1.0	15	3.2
			iPP	27.4				
		SCS	iP	10 26 15.2	D			
JUL	6	PNS	eP	10 31 41.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	6	LPB	eP	10 44 32.5				4.4
			S	45 24				
		PNS	P	10 44 34				4.3
			eS	45 23.8				
JUL	6	USCGS	13 42 22.5, 52.6N, 168.2W, H = 14 Km, M = 5.9					
		FOX IS ALEUTIAN IS						
		PNS	PP	14 01 28				
			SKS	07 30				
			SS	16 46				
			L	35.7				
		LPB	eL	14 35				109.4
JUL	6	USCGS	13 49 02.3, 20.4S, 71.2W, H = 60 Km, M = 3.9					
		NR CST OF CENTRAL CHILE						
		LPB	P	13 52 20.5				14.4
			eL	56				
		PNS	P	13 52 25.2		0.8	5	
JUL	6	LPB	eP	14 01 32		1.0	20	
		PNS	P	14 01 34.8		1.0	8	6.4
			i	52				
			S	02 40				
JUL	6	PNS	P	14 12 01.2		1.0	3	
			i	16				
			i	33				
		LPB	eP	14 12 58		0.5	8	
JUL	6	LPB	P	14 15 56		0.8	12	6.5
			S	17 10.5				
		PNS	iP	14 15 58.9	C	0.8	5	6.3
			S	17 11				
JUL	6	SCS	iP	14 36 45.6				
		LPB	P	14 36 52.0	C	1.0	35	
		PNS	P	14 36 53.4		0.8	7	6.4
			S	38 06				
JUL	6	LPB	eP	14 49 45.8				
		PNS	eP	14 49 50				
JUL	6	LPB	eP	14 52 56.7				
		PNS	P	14 52 57.9		0.6	3	0.3
			S	53 04.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	6	PNS	P	16 20 19.2		0.6	2	2.7
			S	51.5				
		LPB	eP	16 28 20				
JUL	6	USCGS	18 32 15.1, 18.9N, 61.9W, H = 57 Km, M = 5.1					
		LEEWARD IS						
		CHA	P	18 39 09.3				
		PNS	P	18 39 10.4		1.6	92	
			iPP	40 34				
			S	44 45				
			L	50				
		LPB	P	18 39 12		1.0	84	36.0
			eS	44 42				
			L	50				
		SCS	iP	18 39 21.6				
JUL	6	USCGS	19 19 48.4, 8.1N, 38.5W, H = 33 Km, M = 4.9					
		CENTRAL MID-ATLANTIC RIDGE						
		CHA	iP	19 27 07.5	D			
		LPB	iP	19 27 09	C	1.1	250	38.2
			iS	33 09				
			L	19 38.1				
		PNS	iP	19 27 10.2	C			
			i(PP)	28 36.5				
			iS	33 07				
			G	36.1				
			L	38.7				
		SCS	iP	19 27 15.8	C			
JUL	6	LPB	P	20 12 22	C	0.6	13	
		CHA	iP	20 12 24.8	D			
		PNS	iP	20 12 26.4	C	0.5	8	5.0
			eS	13 24				
JUL	6	LPB	eP	20 24 34.2		0.6	10	
		PNS	iP	20 24 38.7	D	0.7	11	3.2
			S	25 16				
		SCS	P	20 24 50.0	D			
JUL	6	LPB	eP	20 57 04		0.7	4	
		PNS	eP	20 57 04.9				
JUL	6	LPB	eP	21 28 01.4				
		PNS	eP	21 28 05.4				
JUL	6	USCGS	21 36 44.7, 6.6N, 73.0W, H = 150 Km, M = 4.3					
		COLOMBIA						
		PNS	P	21 41 43.4		0.8	4	
			iPP	42 16.0				
		LPB	eP	21 41 43.5				23.4

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	6	LPB	eP	21 45 25				
		PNS	P	21 45 29.0	C	1.4	12	20.3
			eS	49 10				
JUL	6	PNS	eP	22 14 25.7				
JUL	6	PNS	P	22 20 54.8	C	1.4	12	
		LPB	P	22 20 55				
JUL	6	PNS	P	22 40 56.7		1.4	12	
JUL	6	PNS	P	23 04 08.3		0.5	5	
JUL	6	LPB	eP	23 13 43		0.5	6	
		PNS	P	23 13 46.6		0.8	3	
JUL	6	USCGS	23 15 57.2, 32.5N, 130.9E, H = 159 Km, M = 4.8					
		KYUSHU, JAPAN						
		LPB	ePKP	23 35 00				156.6
		PNS	PKP	23 35 34		1.4	12	
JUL	7	LPB	P	01 23 26.3				5.0
			S	24 24.5				
		CHA	P	01 23 27.2				
		PNS	iP	01 23 29.8	D	0.6	7	5.3
			eS	24 31				
JUL	7	LPB	P	01 26 01.5		0.7	8	
		PNS	iP	01 26 03.0	D	0.5	7	2.7
			S	35.1				
JUL	7	USCGS	01 09 59.0, 13.5N, 50.8E, H = 52 Km, M = 4.8					
		E GULF OF ADEN						
		PNS	ePKP	01 28 52				121.5
		LPB	eL	05 48				
JUL	7	LPB	eP	02 19 05				
		PNS	eP	02 19 15.2		1.2	13	
JUL	7	LPB	eP	02 42 50.2				
		PNS	iP	02 42 50.4	C	1.4	18	
JUL	7	PNS	eP	04 19 33.1		1.0	2	
JUL	7	LPB	P	04 34 42.2		0.7	7	
		CHA	eP	04 34 43.6				
		PNS	iP	04 34 46.0	C	0.6	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	7	PNS	eP	06 10 48.6		1.0	2	
JUL	7	PNS	eP	06 38 08.5				2.6
			S	40				
		LPB	eP	06 38 09.5				
JUL	7	PNS	iP	06 59 04.6	D	0.8	16	1.8
			S	27				
		CHA	iP	06 59 06.2	D			
		LPB	P	06 59 07.2				
JUL	7	USCGS	08 11 22.4, 19.0N, 45.2W, H = 33 Km, M = 4.3					
		N ATLANTIC RIDGE						
		LPB	eP	08 19 10.7				41.8
		PNS	P	08 19 13.6		1.4	8	
			eL	31.9				
JUL	7	USCGS	10 26 57.7, 13.3S, 77.1W, H = 121 Km, M = 4.3					
		OFF CST OF PERU						
		LPB	eP	10 29 10				9.0
			e	29.8				
		PNS	eP	10 29 14		0.8	4	
			i	30.4				
			eL	31.5				
JUL	7	PNS	eP	10 51 31.7				
		LPB	eP	10 51 53.3				
JUL	7	PNS	eP	11 12 13.6				
			e	20				
JUL	7	USCGS	13 28 39.1, 8.7N, 126.1E, H = 195 Km, M = 5.5					
		MINDANAO, PHILIPPINE IS						
		PNS	ePKP	13 48 24.4				
			PKP2	49 12.6				
		LPB	ePKP	13 48 24.8				164.2
			PKP2	49 13				
			eL	14 47				
JUL	7	PNS	P	13 55 55.4		1.3	11	
JUL	7	LPB	eP	14 57 27				
		PNS	eP	14 57 27.6				4.0
			S	58 14.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	7	USCGS S OF AUSTRALIA	14 49 46.4, 49.6S, 125.7E, H = 33 Km,					
		LPB	eL	15 43				113.0
		PNS	eL	15 43.7				
JUL	7	LPB	eP	16 14 53.2				
		PNS	eP	16 14 58.8				
JUL	7	PNS	P	16 48 26.7	C	1.4	24	
JUL	7	LPB	eP	18 39 24.5				
			L	44.2				
		PNS	P	18 39 24.8		0.7	3	
			i(PP)	32.2				
			iS	42 56				
			L	44.1				
JUL	7	LPB	P	18 58 19.5		0.5	10	
		PNS	iP	18 58 20.9	C	0.4	2	7.0
			S	59 40				
JUL	7	USCGS SOLOMON IS	19 25 19.1, 9.8S, 160.0E, H = 42 Km, M = 4.6					
		CCH	eP	19 44 06.6				
		PNS	PKP	19 44 19.2		1.5	19	
		LPB	ePKP	19 44 20				125.3
			eL	20 44				
JUL	7	PNS	eP	20 58 14.5				14.2
			i	31.9				
			eS	21 00 52				
			eL	21 02.2				
		LPB	P	20 58 24.5	D	0.7	11	
			eL	21 02				
JUL	7	USCGS N CHILE	22 13 51.9, 22.8S, 69.0W, H = 95 Km, M = 4.2					
		CCH	P	22 15 23.1	C			
		SCS	P	22 15 24.2	D			
		PNS	P	22 15 27.6		0.9	10	
			iPg	57.8				
			eS	16 37				
		LPB	eP	22 15 29		0.6	14	6.3
			iPg	56.1				
			iS	16 11.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	7	SCS	P	22 24 28.5				
		LPB	P	22 24 29.2		0.6	21	2.1
			S	54.5				
		PNS	iP	22 24 30.4	D	0.9	10	2.3
			iS	57.4				
JUL	7	SCS	P	22 36 17.5				
		LPB	eP	22 36 20.2				
		PNS	P	22 36 20.5	C	1.0	13	
			i	39 52.7				
JUL	7	USCGS N ATLANTIC RIDGE	23 02 20.4, 19.4N, 46.2W, H = 33 Km, M = 4.4					
		LPB	eP	23 10 07.5				41.7
			eL	22				
		PNS	P	23 10 08.9	D	1.3	14	
			eL	22.6				
JUL	7	PNS	P	23 11 11.4		0.5	2	2.6
			S	42.9				
		LPB	eP	23 11 12				
JUL	7	CCH	P	23 19 30.5				
		SCS	eP	23 19 44.4				3.0
		LPB	eP	23 19 55				
			eS	20 30				3.9
		PNS	eP	23 19 58.5				
			S	20 44				
JUL	7	PNS	P	23 24 16.2				
		LPB	eP	23 24 19.5				
		SCS	iP	23 24 20.6	D			
JUL	7	USCGS TIBET	23 49 23.6, 35.5N, 87.8E, H = 33 Km,					
		PNS	ePKP	00 09 10				
			eL	01 01.2				
		LPB	ePKP	00 09 17				
			eL	01 01				
JUL	7	PNS	iP	00 45 02.6	D	0.6	19	1.9
			S	25.5				
		LPB	eP	00 45 03				
JUL	8	USCGS HONSHU, JAPAN	00 42 18.1, 39.2N, 141.7E, H = 60 Km, M = 4.2					
		PNS	ePKP	01 01 52		1.0	8	
			eL	51				140.2
		LPB	ePKP	01 01 53.7				
			eL	52				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	8	LPB	eP	01 07 35				
		PNS	P	01 07 38.2		1.6	7	
JUL	8	USCGS	00 58 54.7, 15.4S, 167.5E, H = 137 Km, M = 5.2					
			NEW HEBRIDES IS					
		PNS	PKP	01 17 14.7		1.0	7	
			PP	18 28.4				
			L	01 53.8				116.1
		LPB	PKP	01 17 17				
			L	01 54.1				
JUL	8	PNS	eP	02 17 55.6		1.2	9	
JUL	8	LPB	eP	06 03 39				
		PNS	P	06 03 40.7	C	0.5	4	2.4
			i	04 11				
			eS	05 10				
		SCS	P	06 03 50.3				
JUL	8	PNS	eP	06 30 54.6				
			L	07 18.2				
		LPB	eP	06 30 57				
			L	07 18.4				
JUL	8	USCGS	06 22 52.8, 16.3S, 166.8E, H = 9 Km, M = 5.0					
			NEW HEBRIDES IS					
		PNS	ePKP	06 42 44				152.4
JUL	8	LPB	P	09 01 45.7		1.4	13	
		PNS	P	09 01 46.6				5.2
JUL	8	PNS	eP	09 44 04.2				
			eS	45 04				
		LPB	eP	09 44 06.2				
JUL	8	PNS	eP	10 01 08.9				
		LPB	eP	10 01 09				
JUL	8	USCGS	10 01 19.5, 25.8S, 179.8E, H = 459 Km, M = 4.1					
			S OF FIJI IS					
		LPB	eL	10 50				101.7
		PNS	eL	10 51				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	8	PNS	P	10 27 09.9	C	1.2	21	12.9
			i	25.4				
			S	29 33				
			eL	32.2				
		LPB	P	10 27 14.5	C	1.0	70	14.6
			i	30.0				
			(S)	29 57				
		SCS	iP	10 27 31.9	D			
		CCH	P	10 27 38.3	C			
JUL	8	LPB	eP	11 01 54				
		PNS	P	11 01 59.0		0.4	2	
JUL	8	USCGS	11 55 40.0, 21.8S, 68.9W, H = 117 Km, M = 3.8					
			CHILE-BOLIVIA BOR REG					
		CCH	P	11 56 54.8				
		LPB	eP	11 57 00				5.3
		PNS	P	11 57 01.7		1.0	11	
			i	35.0				
			S	51.0				
		SCS	eP	11 57 04.6				
JUL	8	PNS	P	14 38 06.0		0.8	5	4.1
			iS	54				
		LPB	eP	14 38 13				3.9
			(S)	58				
		SCS	P	14 38 13.5				
JUL	8	USCGS	16 03 15.1, 34.0S, 69.1W, H = 107 Km, M = 4.3					
			CHILE-ARGENTINA BOR REG					
		CCH	P	16 07 06.5				
		LPB	P	16 07 13.7	D	1.5	61	17.0
			(S)	12 51				
		PNS	P	16 07 15.5		1.8	80	
			PP	34.3				
			eL	12.7				
JUL	8	LPB	eP	16 37 45.5				
		PNS	P	16 37 50.0		0.5	2	
JUL	8	USCGS	19 18 22.3, 37.7N, 143.7E, H = 66 Km, M = 4.3					
			OFF E CST HONSHU, JAPAN					
		PNS	ePKP	19 37 53				
			eL	20 27.7				
		LPB	eL	20 27				144.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	8	PNS	iP	22 00 06.5	D	0.7	6	1.8
			S	29				
		LPB	P	22 00 09		0.6	10	1.7
			S	30.5				
JUL	8	USCGS	23 00 57.1, 34.7N, 141.4E, H = 69 Km, M = 4.2					
			OFF E CST HONSHU, JAPAN					
		PNS	ePKP	23 20 34		1.0	8	
		LPB	PKP	23 20 37.6		1.0	14	148.(
JUL	9	LPB	P	01 14 00		0.6	6	5.(
			S	57				
		PNS	iP	01 14 02.6	D	0.6	8	5.1
			S	59.6				
JUL	9	PNS	P	02 53 00.0		1.3	12	
JUL	9	USCGS	03 09 03.2, 44.0N, 144.7E, H = 100 Km, M = 4.6					
			HOKKAIDO, JAPAN REG					
		LPB	ePKP	03 28 21				140.7
		PNS	ePKP	03 28 22				
			eL	04 14				
JUL	9	PNS	eP	04 36 56				
JUL	9	USCGS	05 14 39.5, 19.5N, 45.5W, H = 33 Km, M = 4.4					
			N ATLANTIC RIDGE					
		LPB	P	05 22 31				41.7
			eL	35				
		PNS	P	05 22 31.0		1.4	12	
			eL	35				
JUL	9	USCGS	07 51 02.0, 19.4N, 46.2W, H = 33 Km, M = 4.4					
			N ATLANTIC RIDGE					
		PNS	iP	07 58 50.0	C	1.4	12	
			eL	08 11.6				
		LPB	eP	07 58 50.3				.41.4
JUL	9	PNS	iP	08 26 03.1	D	0.7	5	1.8
			iS	25.4				
		LPB	P	08 26 05.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	9	LPB	eP	08 41 30				
		PNS	P	08 41 34.3		0.5	2	4.1
			S	42 22				
		SCS	P	08 41 39.3				
JUL	9	USCGS	09 23 57.8, 19.4N, 46.2W, H = 33 Km, M = 4.4					
			N ATLANTIC RIDGE					
		PNS	iP	09 31 45.9	C	1.6	22	
			eL	44.5				
		LPB	P	09 31 46				41.4
JUL	9	PNS	eP	11 52 37.8				
		LPB	eP	11 52 40.6				
JUL	9	USCGS	12 28 57.1, 33.5N, 139.0E, H = 33 Km, M = 4.0					
			S OF HONSHU, JAPAN					
		PNS	ePKP	12 48 43.3				150.3
			eL	13 40.4				
JUL	9	PNS	P	14 42 40.0		0.6	3	
		LPB	eP	14 42 43				
JUL	9	LPB	eP	17 00 20				
		PNS	P	17 00 22.7		0.8	6	
JUL	9	PNS	iP	18 33 41.1	C	1.0	35	2.8
			S	34 14				
		LPB	iP	18 33 45.5	C	0.9	63	2.8
			S	34 19				
		SCS	iP	18 33 54.8	D			
JUL	9	USCGS	20 39 53.6, 19.2N, 46.2W, H = 33 Km, M = 4.4					
			N ATLANTIC RIDGE					
		PNS	P	20 47 40.1	C	1.0	8	
			ePP	53				
		LPB	eP	20 47 40.6				41.4
JUL	9	USCGS	20 45 16.7, 19.2N, 46.0W, H = 33 Km, M = 4.2					
			N ATLANTIC RIDGE					
		PNS	P	20 53 03.9		1.0	5	
			pP	14.4				
			eL	21 05.6				
		LPB	eP	20 53 04				41.4
			eL	21 05				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	9	LPB	eP	21 30 51.2		0.5	7	
		PNS	P	21 30 55.6		0.9	6	
JUL	9	USCGS	21 31 07.8, 19.2N, 46.0W, H = 18 Km, M = 4.6					
		N ATLANTIC RIDGE						
		PNS	P	21 38 56.7		1.1	18	
			ipP	39 02.0				
		LPB	P	21 38 57.2		1.0	16	41.4
			i	39 01.5				
			eL	51				
		SCS	P	21 39 06.7				
JUL	9	USCGS	21 34 54.8, 37.1S, 96.3W, H = 33 Km, M = 4.8					
		S PACIFIC OCEAN						
		PNS	iP	21 41 22.9	C	1.4	83	
			SS	48 59				
			L	50.5				
		LPB	P	21 41 23.4		1.2	33	32.8
			L	50.2				
		SCS	eP	21 41 26.9	C			
JUL	9	LPB	P	22 16 44.5		0.9	46	3.8
			S	17 28.5				
		PNS	P	22 16 45.8		0.9	11	4.1
			S	17 33.6				
JUL	9	LPB	P	22 41 46.3				
		PNS	P	22 41 48.4	D	1.1	7	
JUL	9	USCGS	22 55 32.2, 19.2N, 46.7W, H = 33 Km, M = 4.4					
		N ATLANTIC RIDGE						
		PNS	P	23 03 16.0	C	1.4	26	
			ipP	25.0				
			eL	16				
		LPB	P	23 03 16.4		1.0	12	41.4
			eL	16				
		SCS	P	23 03 25.9	D			
JUL	10	LPB	eP	00 12 10.5				
		PNS	eP	00 12 10.8				4.0
			i	40.1				
			S	57				
JUL	10	PNS	eP	01 37 33				
		LPB	eP	01 37 34				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	10	PNS	P	02 09 20.9	D	0.6	8	2.2
			S	46.9				
		LPB	eP	02 09 22				
JUL	10	LPB	eP	03 40 15.4				
		PNS	iP	03 40 15.7	D	0.6	3	2.6
			S	46.8				
JUL	10	LPB	eP	04 14 06.5				
		PNS	eP	04 14 06.6				
JUL	10	USCGS	05 51 31.2, 38.7N, 143.1E, H = 33 Km, M = 4.4					
		OFF E CST OF HONSHU, JAPAN						
		PNS	ePKP	06 11 04.4		1.8	21	
		LPB	ePKP	06 11 10				145.8
JUL	10	USCGS	06 29 30.5, 17.6S, 178.8W, H = 529 Km, M = 4.8					
		FIJI IS REG						
		PNS	eP	06 42 29.4				
		LPB	eP	06 42 30				103.5
			eL	07 17				
JUL	10	TRJ	P	10 01 51.3				
JUL	10	PNS	iP	10 15 24.1	D	0.6	6	1.8
			S	46.0				
		LPB	P	10 15 26		0.7	6	
JUL	10	USCGS	10 18 25.1, 21.6S, 179.4W, H = 621 Km, M = 4.8					
		FIJI IS REG						
		LPB	eP	10 31 13				102.7
		PNS	eP	10 31 13				
			eL	11 07.3				
JUL	10	CHA	iP	11 01 51.3	C			
JUL	10	LPB	eP	11 13 45.8				
		PNS	P	11 13 46.8	D	0.3	1	1.8
			S	14 09.1				
JUL	10	USCGS	10 56 26.2, 3.2S, 130.0E, H = 33 Km, M = 5.1					
		CERAM						
		LPB	ePKP	11 16 21.5				153.0
			eL	12 10				
		PNS	PKP	11 16 25.2		0.9	6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	10	USCGS JAVA SEA	12 01 31.5, 5.9S, 113.1E, H = 591 Km, M = 5.4					
		PNS	PKP	12 20 24.8	D	1.6	93	
			iPKP2	21 01.5				
			eL	13 15.1				
		LPB	PKP	12 20 25		1.4	47	157.6
			iPKP2	21 00				
			eL	13 15				
		CCH	PKP	12 20 28.9				
		SCS	PKP	12 20 30.0	D			
JUL	10	LPB	eP	13 33 03.5				
			i	20.7				
		PNS	eP	13 33 06.4				
			i	51.7				
		SCS	eP	13 33 28.2				
JUL	10	CCH	iP	14 18 28.9	C			
JUL	10	LPB	eP	14 29 49		1.0	14	
			L	38.8				
		PNS	iP	14 29 50.2	D	1.0	13	
			eL	38.7				
JUL	10	PNS	P	14 32 52.6	C	0.7	4	
			e	33 26				
		LPB	eP	14 32 53				
JUL	10	PNS	iP	16 12 04.8	C	0.3	4	0.1
			S	08.0				
JUL	10	LPB	eP	16 34 04.7		0.4	2	
		PNS	P	16 34 06.6				
JUL	10	PNS	eP	19 34 06				
JUL	10	USCGS TALAUD IS	19 18 14.7, 4.8N, 127.1E, H = 118 Km, M = 5.2					
		LPB	ePKP	19 38 04.3		1.2	32	160.6
			iPKP2	51				
			eL	34.4				
		PNS	PKP	19 38 06.8	C	1.2	17	
			iPKP2	50.0				
			eSS	10 02 32				
			eL	20 34.6				
		SCS	PKP	19 38 12.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	10	PNS	P	19 50 59.6		0.4	2	
JUL	10	PNS	iP	19 51 23.0	C	0.8	4	
		LPB	P	19 51 23.5		0.8	7	
		SCS	P	19 51 34.8				
JUL	10	PNS	eP	22 36 41.7				
			e	52.8				
JUL	10	SCS	P	23 02 19.7				
		CCH	P	23 01 47.5	C			
		LPB	eP	23 02 21.8		0.7	10	3.2
			S	02 58.7				
		PNS	eP	23 02 28				3.7
			S	03 11				
JUL	10	PNS	P	23 24 10.5		1.0	6	
		LPB	eP	23 24 11.3				
JUL	11	USCGS N ATLANTIC RIDGE	00 16 04.6, 26.1N, 44.9W, H = 33 Km, M = 4.5					
		LPB	eP	00 24 42		0.9	7	48.2
			eL	40				
		PNS	P	00 24 23.8		1.0	8	
			ipP	51.4				
JUL	11	PNS	eP	02 09 39.3				
		LPB	eP	02 09 45.5		0.9	8	
JUL	11	USCGS SOLOMON IS	04 17 02.1, 7.0S, 155.8E, H = 88 Km, M = 4.8					
		LPB	ePKP	04 36 07		1.3	15	130.5
			pPKP	20.5				
			eL	05 20				
		PNS	PKP	04 36 07.8		1.3	10	
			eL	05 19.9				
JUL	11	PNS	iP	05 39 33.7				1.3
			S	50.0				
		LPB	eP	05 39 37.2				
JUL	11	PNS	P	07 07 04.9				
JUL	11	LPB	eP	07 39 40.5				
			i	53.2				
			(S)	40 03.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	11	PNS	P	11 16 43.0		0.9	5	
JUL	11	PNS	P	13 34 57.1	C	0.8	5	11.2
			S	37 02.6				
		LPB	eP	13 34 59.5				
JUL	11	USCGS	14 51 28.4, 32.0N, 138.7E, H = 372 Km, M = 4.1					
		S OF HONSHU, JAPAN						
		PNS	eL	16 02.6				151.1
JUL	11	USCGS	14 52 58.1, 20.9S, 68.8W, H = 119 Km, M = 4.9					
		CHILE BOLIVIA BOR REG						
		SCS	P	14 54 00.7				
		LPB	P	14 54 04.5		0.9	246	4.5
		CCH	P	14 54 06.1	C			
		PNS	iP	14 54 07.6	C	0.8	119	
			iS	55 00.6				
JUL	11	PNS	P	16 32 59.0		0.8	7	3.1
			eS	33 35.4				
JUL	11	PNS	P	17 09 04.8		0.7	3	
		LPB	eP	17 09 05				
JUL	11	USCGS	17 31 22.8, 19.4S, 177.7W, H = 381 Km, M = 4.2					
		FIJI IS REG						
		LPB	eL	18 19				101.7
JUL	11	PNS	P	19 29 04.0		0.6	3	6.4
			S	30 17				
		LPB	eP	19 29 04.5				
		SCS	P	19 29 22.0	D			
JUL	11	LPB	eP	20 18 10.5		0.5	8	
		PNS	P	20 18 14.0	D	0.6	12	2.1
			S	40.6				
JUL	11	LPB	P	21 40 53.4				
		PNS	P	21 40 54.5		0.9	5	
JUL	11	PNS	P	22 46 05.8		0.9	20	1.9
			S	28.8				
		LPB	eP	22 46 06.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	12	LPB	eP	00 02 01				
		PNS	P	00 02 03.7				1.9
			eS	27				
JUL	12	LPB	eP	00 29 32				
		PNS	P	00 29 35.7				2.2
			S	30 02				
JUL	12	USCGS	01 47 30.6, 31.8N, 175.0W, H = 17 Km, M = 4.5					
		ANDREANOF IS ALEUTIAN IS						
		PNS	ePKP	02 06 04				
		LPB	eL	02 41				113.1
JUL	12	LPB	P	02 31 15		0.9	14	4.4
			i	23.5				
			eS	32 06				
		PNS	eP	02 31 15.4		0.8	5	4.6
			S	32 08				
		SCS	P	02 31 22.1	D			
JUL	12	PNS	iP	03 31 21.8	D	0.6	8	2.3
			iS	49.0				
		LPB	P	03 31 22		0.8	12	
			S	50				
JUL	12	PNS	eP	04 38 58.6				
		LPB	eP	04 39 05.2				
JUL	12	USCGS	04 28 33.4, 0.2S, 125.5E, H = 34 Km, M = 4.8					
		MOLUCCA SEA						
		PNS	ePKP	04 48 31				
			iPKP2	49 07.9				
		LPB	PKP	04 48 39				158.4
			PKP2	49 07.2				
			eL	05 43				
JUL	12	LPB	eP	05 01 39.5				
JUL	12	USCGS	05 45 14.1, 11.2S, 166.5E, H = 124 Km, M = 4.6					
		SANTA CRUZ IS						
		LPB	ePKP	06 03 48				119.5
			eL	42				
		PNS	eL	06 42				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	12	PNS	iP	06 48 51.3	D	0.6	3	1.8
			S	49 13				
JUL	12	LPB	P	07 55 37.5				
		PNS	P	07 55 38.3	C	0.8	12	2.0
			S	56 02.5				
JUL	12	LPB	P	09 39 40.5	D	0.5	27	
		PNS	P	09 39 40.7		0.6	6	
JUL	12	USCGS	10 32 01.6, 54.9N, 161.1W, H = 33 Km, M = 5.0					
		ALASKA PENINSULA						
		PNS	eL	11 24.2				104.9
JUL	12	LPB	P	15 22 29.7		1.0	12	
		PNS	P	15 22 30.8	D	0.6	3	
JUL	12	LPB	eP	16 11 55.5				
		PNS	iP	16 11 56.1	C	1.0	7	
JUL	12	PNS	P	16 36 33.7		0.5	3	
JUL	12	PNS	P	16 41 02.5	D	0.5	3	1.9
			S	26				
		LPB	eP	16 41 03				
JUL	12	LPB	eP	17 36 11				
		PNS	iP	17 36 15.7	D	0.5	8	2.6
			iS	47				
JUL	12	USCGS	19 01 26.9, 0.7N, 29.4W, H = 33 Km, M = 4.4					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	19 09 15.7		1.0	22	42.1
		PNS	P	19 09 18.0		1.0	18	
			eL	21.8				
JUL	12	LPB	eP	20 14 28.5				
		PNS	P	20 14 31.6		0.6	3	4.0
			S	15 18				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	12	USCGS	21 00 20.9, 5.6N, 82.6W, H = 33 Km,					
		S OF PANAMA						
		PNS	P	21 05 50.5		1.0	11	
			iPcP	09 30.0				
			S	10 20				
			SS	45				
			L	12.7				
		LPB	P	21 05 55.5		1.0	24	25.7
			ePP	06 39				
			eS	18				
			L	13				
		SCS	iP	21 06 08.1	D			
JUL	12	USCGS	21 14 53.1, 16.1S, 178.3E, H = 33 Km, M = 5.3					
		FIJI IS						
		PNS	eP	21 28 51.4				
			L	22 03.9				
		LPB	eP	21 28 52				103.4
			eL	22 05				
JUL	12	LPB	eP	21 40 24.3		0.8	4	
		PNS	iP	21 40 27.0	C	0.8	5	
JUL	12	USCGS	21 52 36.4, 55.6S, 30.2W, H = 33 Km, M = 5.3					
		S SANDWICH IS REG						
		SCS	P	22 01 16.4	D			
		LPB	P	22 01 19		1.7	105	48.2
			pP	26.5				
		PNS	iP	22 01 21.4	C	1.8	100	
			pP	30.0				
			eL	16.2				
JUL	12	LPB	eP	22 08 16.3				
		PNS	iP	22 08 18.9	D	0.6	4	
			i	28.5				
JUL	12	PNS	eP	23 14 46		0.7	3	11.6
			i	52.5				
			eS	16 55				
		LPB	eP	23 14 48.3				
JUL	13	PNS	P	00 05 07.6		0.4	2	5.8
			S	06 13.5				
		LPB	P	00 05 10				
JUL	13	LPB	P	00 27 13.5		0.8	4	
		PNS	P	00 27 15.1		0.8	5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	13	LPB	eP	00 42 08.7		0.9	7	5.0
			i	29.5				
			eS	43 06.4				
		PNS	P	00 42 10.0	D	0.7	4	5.2
			S	43 10				
		SCS	e(P)	00 42 55.5				
JUL	13	USCGS	00 51 16.8, 32.2S, 178.3W, H = 33 Km, M = 4.5					
		S OF KERMADEC IS						
		LPB	eP	01 04 32				97.0
			eL	37				
		PNS	eL	01 37.5				
JUL	13	LPB	eP	02 09 14.6		0.9	15	2.4
			S	44				
		SCS	P	02 09 15.8	C	0.4	9	2.5
			iS	45.6				
JUL	13	USCGS	02 10 20.0, 35.5N, 1.0W, H = 13 Km, M = 5.0					
		ALGERIA						
		PNS	eP	02 22 35				
			eL	49.5				82.1
		LPB	eP	02 22 39				
			eL	49				
JUL	13	PNS	iP	02 57 51.0	D			2.0
			iS	58 15.4				
		LPB	P	02 57 51.5	D	4.0	40	2.1
			S	58 17				
		SCS	iP	02 57 57.5				
JUL	13	PNS	P	04 05 15.8		0.6	3	3.4
			S	55.6				
		LPB	eP	04 05 18.8		0.8	4	3.1
			eS	55				
JUL	13	USCGS	06 20 09.6, 22.2S, 0 .2W, H = 85 Km, M = 4.3					
		N CHILE						
		SCS	iP	06 21 35.6	D			
		LPB	P	06 21 37.7		0.9	11	5.5
			i	53.5				
			S	22 52				
		PNS	P	06 21 40.4		0.8	40	
			S	22 56				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	13	USCGS	07 36 07.2, 16.2S, 178.1E, H = 50 Km, M = 5.4					
		FIJI IS						
		LPB	eSS	08 09 46				106.6
			eL	26.6				
		PNS	eSS	08 09 50				
			L	26.6				
JUL	13	LPB	eP	08 22 59.5				
		PNS	eP	08 23 00.3				
JUL	13	USCGS	09 42 49.8, 31.8N, 115.5W, H = 33 Km, M = 4.2					
		BAJA CALIFORNIA						
		PNS	eL	10 14.8				66.1
JUL	13	USCGS	10 04 19.0, 20.4S, 169.3E, H = 46 Km, M = 5.0					
		NEW HEBRIDES IS						
		LPB	eL	10 57.7				112.9
		PNS	L	10 58				
JUL	13	USCGS	11 38 53.2, 21.0S, 69.1W, H = 125 Km, M = 3.8					
		N CHILE						
		SCS	P	11 39 52.6	D			
		LPB	P	11 40 02.9		1.0	40	4.5
		PNS	iP	11 40 04.2	D	1.0	27	5.0
			S	41 01				
JUL	13	PNS	eP	12 05 37.8		0.6	2	
JUL	13	LPB	eP	13 15 55				
		PNS	iP	13 15 59.4	D	0.6	3	2.0
			S	16 23.4				
JUL	13	USCGS	14 20 38.7, 15.2S, 74.9W, H = 74 Km, M = 5.2					
		NR CST OF PERU						
		PNS	P	14 22 12.6		0.8	9	
			iPn	15.8				
			iS	23 20				
		LPB	eP	14 22 19		0.8	7	6.4
			eS	23 28				
		TRJ	P	14 23 20.4	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	13	LPB	eP	14 38 51		0.6	11	2.1
			eS	39 16.4				
		PNS	P	14 38 59.3	D	0.5	2	2.5
			S	39 29.9				
JUL	13	PNS	iP	15 16 08.2	C	0.8	11	
JUL	13	LPB	eP	15 27 14.4		0.7	7	
		PNS	iP	15 27 20.0	C	0.9	5	
			e	43.4				
JUL	13	PNS	P	16 34 53.0		0.6	5	
		LPB	eP	16 34 53.5				
JUL	13	TRJ	eP	16 58 31.3				
		LPB	P	16 59 12		1.3	10	
		PNS	eP	16 59 14				
JUL	13	PNS	iP	17 52 52.0	D	0.6	13	2.(
			S	53 16				
		LPB	eP	17 52 53				
JUL	13	PNS	P	18 03 02.1		0.6	2	
			e	35.5				
JUL	13	TRJ	P	18 41 22.4				
		LPB	P	18 41 37.8		0.9	10	
		PNS	)	18 41 38.8		0.6	2	
JUL	13	LPB	eP	20 05 19				
		PNS	eP	20 05 21				
JUL	13	LPB	eP	20 10 56.5		0.6	6	
		PNS	P	20 10 57.6		0.7	3	
JUL	13	LPB	eP	20 23 29.6				
		PNS	iP	20 23 32.0	C	0.8	3	15
			eS	26 27				
JUL	13	USCGS	20 28 33.1, 32.7N, 141.5E, H = 33 Km, M = 4.4					
		S OF HONSHU, JAPAN						
		PNS	ePKP	20 48 20				
			eL	21 39.5				148.
		LPB	eL	21 39				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	13	USCGS	21 01 35.7, 1.5S, 77.4W, H = 199 Km, M = 4.6					
		ECUADOR						
		PNS	P	21 05 24.8		1.0	46	
			S	08 33.6				
		LPB	P	21 05 29.5		1.0	30	17.1
JUL	13	LPB	eP	22 56 29.5				1.4
			S	47.5				
		PNS	P	22 56 29.9		0.7	4	1.6
			S	50				
JUL	13	PNS	P	23 45 24.0		0.4	1	2.0
			S	48.3				
		LPB	P	23 45 24.3		0.5	4	2.0
			S	48.5				
		SCS	P	23 45 28.8	C			
JUL	14	PNS	P	00 26 02.5				
		LPB	eP	00 25 57.7				
JUL	14	USCGS	00 32 35.8, 6.9N, 73.0W, H = 162 Km, M = 4.4					
		N COLOMBIA						
		PNS	P	00 37 52.1	C	0.7	9	
			iPP	38 25.1				
		LPB	P	00 37 55.5	C	0.9	15	23.4
			iPP	29				
		SCS	P	00 38 08.1				
JUL	14	USCGS	02 47 53.0, 11.4S, 166.2E, H = 80 Km, M = 5.2					
		SANTA CRUZ IS						
		PNS	ePKP	03 06 37		0.9	4	
			eSS	25 30				
			L	44.9				
		LPB	ePKP	03 06 37.5		0.8	9	120.3
			eL	45				
JUL	14	USCGS	03 19 26.8, 17.6S, 72.3W, H = 37 Km, M = 5.1					
		NR CST OF PERU						
		PNS	iP	03 20 28.0	C	1.2	36	
			iPg	44.0				
			iS	21 20				
		LPB	iP	03 20 31.7	C	0.9	124	4.0
			iS	21 20				
		SCS	iP	03 20 39.2	C			
		TRJ	iP	03 21 23.3	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	14	TRJ	P	05 07 24.7				
		LPB	P	05 07 57.2		0.7	7	
			i	08 22.7				
		PNS	iP	05 07 58.5	C	0.5	5	12.3
			i	08 23.8				
			eS	10 16				
JUL	14	PNS	iP	05 25 02.0	D	0.4	10	1.9
			iS	24.7				
		LPB	eP	05 25 03.5				2.0
			S	28				
JUL	14	PNS	iP	06 23 31.2	C	0.4	2	2.1
			S	55.8				
		LPB	eP	06 23 31.3				2.2
			S	57.5				
JUL	14	USCGS	07 38 07.3, 6.8N, 78.9N, H = 46 Km, M = 4.3					
		S OF PANAMA						
		PNS	P	07 43 31.2		1.2	14	
			eL	50.4				
		LPB	P	07 43 34.5		1.1	12	25.0
JUL	14	PNS	eP	09 08 28.1				
JUL	14	PNS	iP	09 11 45.1	D	0.5	6	1.8
			eS	12 07.3				
		LPB	eP	09 11 47.3				
JUL	14	USCGS	09 06 22.2, 8.8S, 124.1E, H = 23 Km, M = 5.3					
		TIMOR						
		LPB	PKP	09 26 19.8	C	0.9	17	151.8
			pPKP	30				
		PNS	iPKP	09 26 20.4	C	1.2	21	
			pPKP	30.0				
			eL	10 18.7				
		TRJ	PKP	09 26 22.3	C			
		SCS	PKP	09 26 24.9	D			
JUL	14	USCGS	10 08 45.5, 6.4S, 77.4W, H = 146 Km, M = 4.6					
		N PERU						
		PNS	eP	10 11 48.8		0.9	5	
			i	56.6				
		LPB	eP	10 11 53.4		0.9	8	13.1
		TRJ	eP	10 13 02.3				
JUL	14	LPB	eP	11 14 46.2				
		PNS	eP	11 14 48.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	14	TRJ	iP	11 39 07.2	D			2.4
			S	36.7				
		PNS	P	11 39 49.3		0.6	2	5.4
			iS	40 51.8				
		LPB	P	11 39 52.5		0.7	11	
JUL	14	TRJ	P	12 01 41.1				
		LPB	eP	12 01 57.6		0.6	11	
		PNS	P	12 01 58.2		0.6	3	4.6
			eS	02 51				
JUL	14	LPB	eP	12 28 54.5				1.9
			eS	29 18				
		PNS	iP	12 28 54.8	D	0.6	11	1.8
			S	29 17				
JUL	14	LPB	eP	13 50 39		0.5	10	
		PNS	iP	13 50 42.0	D	0.5	5	2.1
			S	51 06.8				
JUL	14	USCGS	13 53 23.8, 54.0N, 164.3W, H = 33 Km, M = 4.7					
		UNIMAK IS REG						
		PNS	eL	14 44				106.4
JUL	14	LPB	eP	15 52 43				
		PNS	P	15 52 46.8		0.5	1	3.1
			S	53 22.6				
JUL	14	LPB	eP	16 56 12.4				
		PNS	iP	16 56 13.7	D	0.7	5	2.1
			S	38.5				
JUL	14	USCGS	18 02 08.1, 13.5N, 88.8W, H = 147 Km, M = 4.6					
		EL SALVADOR						
		PNS	P	18 08 57.3		0.8	5	
			PcP	11 21.6				
			eL	19.7				
		LPB	eP	18 08 57.5		0.6	8	36.7
		TRJ	eP	18 09 49.1	C			
JUL	14	PNS	P	18 43 12.8		1.5	21	
			i	33.0				
		LPB	P	18 43 16.7		1.0	18	1.3
			S	33.5				
JUL	14	PNS	iP	18 51 47.6	D	0.5	3	1.8
			iS	52 10.0				
		LPB	eP	18 51 49.5		0.7	7	2.1
			S	52 14.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	14	USCGS	18 35 46.7, 16.4S, 66.8E, H = 33 Km, M = 5.2					
		MID-INDIAN RISE						
		PNS	PKP	18 54 21.4				
			eL	35.2				124.4
		LPB	ePKP	18 54 34				
			eL	19 34				
JUL	14	PNS	P	20 21 22.6		1.4	29	
		LPB	eP	20 21 26				
JUL	14	PNS	P	21 14 07.2		0.8	3	
JUL	14	PNS	iP	21 14 54.0	C	0.9	4	
		LPB	eP	21 14 58		0.7	7	
JUL	14	PNS	iP	21 46 09.7	D	0.4	4	2.1
			S	34.8				
		LPB	eP	21 46 12.7				
JUL	14	USCGS	22 36 59.9, 3.6S, 149.4E, H = 33 Km, M = 4.6					
		RISMARK SEA						
		LPB	ePKP	22 56 24				157.7
			eL	23 42				
		PNS	ePKP	22 56 25.7				
			eL	23 42.7				
JUL	14	PNS	eP	23 07 25.4				
JUL	14	PNS	iP	23 23 47.0	C	0.5	5	1.9
			S	24 10.4				
		LPB	eP	23 23 52.3				
JUL	14	LPB	P	23 39 46.7				
		PNS	P	23 39 49.4	C	0.9	6	
JUL	14	USCGS	23 31 01.4, 9.8S, 160.2E, H = 41 Km, M = 5.1					
		SOLOMON IS						
		PNS	eL	00 30.4				125.1
JUL	15	TRJ	P	02 03 21.4				
		SCS	P	02 03 28.9	D			
		LPB	eP	02 03 31.2		0.8	22	
		PNS	P	02 03 34.1	D	0.8	14	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	15	USCGS	03 26 57.4, 49.2N, 78.1E, H = 5.1					
		N KARAKU SSR						
		PNS	PKP	03 46 25.7		0.8	3	
			eL	04 34.4				
		LPB	ePKP	03 46 26				142.0
			eL	04 35				
JUL	15	USCGS	06 10 41.0, 19.4S, 69.3W, H = 126 Km, M = 3.6					
		N CHILE						
		SCS	iP	06 11 28.0	D			
		LPB	iP	06 11 29.7	D	1.1	925	3.3
			PG	45				
			S	12 07				
		PNS	iP	06 11 31.6	D	0.9	47	
			S	12 10				
		TRJ	iP	06 11 50.8	C			
			i	12 02.9				
JUL	15	PNS	P	07 12 01.6	C	0.7	4	
		LPB	eP	07 12 02.2				
JUL	15	USCGS	08 14 59.3, 51.5N, 176.8E, H = 32 Km, M = 4.9					
		RAT IS, ALEUTIAN IS						
		PNS	ePKP	08 33 45.7				118.0
			eL	09 11.6				
JUL	15	LPB	P	10 12 55.5		0.9	5	
		PNS	P	10 12 58.4		1.0	5	
JUL	15	PNS	iP	10 18 20.8	D	0.5	6	1.8
			S	42.7				
		LPB	P	10 18 23		0.6	8	2.9
			S	47.2				
		SCS	P	10 18 32.5	D			
JUL	15	LPB	eP	11 11 06				
		PNS	eP	11 11 07.5		0.4	2	
JUL	15	LPB	P	11 37 23		1.0	14	
		PNS	P	11 37 25.2	C	1.0	17	
JUL	15	USCGS	11 55 36.9, 24.2N, 108.9W, H = 33 Km, M = 4.4					
		GULF OF CALIFORNIA						
		PNS	P	12 05 17.2		1.0	5	
			eL	23				
		LPB	eP	12 05 20				56.7
JUL	15	PNS	iP	13 30 08.0	C	0.6	8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	15	TRJ	ip	13 51 41.6	C			
		LPB	p	13 52 28				
		SCS	p	13 52 28.8	D			
		PNS	ip	13 52 30.6	C	0.6	11	
JUL	15	USCGS 14 40 35.0, 6.8N, 126.3E, H = 37 Km, M = 5.3 MINDANAO, PHILIPPINE IS						
		TRJ	pKP	15 00 36.4				
		PNS	pKP	15 00 37.9		1.8	77	
			i,	16 00				
		LPB	pKP	15 00 38		2.2	67	163.3
			ePP	05 24				
			eL	59				
JUL	15	USCGS 15 29 43.5, 26.1N, 140.9E, H = 378 Km, M = 3.5 BONIN IS REG						
		PNS	eL	16 48.9				151.0
JUL	15	LPB	eP	16 32 31.5				
		PNS	p	16 32 33.0		0.5	3	
JUL	15	LPB	eP	18 08 04				
		PNS	p	18 08 06.1		0.7	2	
JUL	15	PNS	ip	18 51 21.5	C	0.6	30	2.2
			iS	48.0				
		LPB	p	18 51 25.2		1.0	52	2.3
			S	52.5				
		SCS	p	18 51 34.8	D			
JUL	15	USCGS 19 49 04.6, 11.0S, 163.1E, H = 68 Km, M = 4.5 SOLOMON IS						
		LPB	eL	20 47				122.4
JUL	16	LPB	eP	02 14 12				
		PNS	p	02 14 14.9	C	0.5	12	2.5
			eS	44.6				
JUL	16	LPB	eP	02 29 04.5				
		PNS	eP	02 29 07.5				
		TRJ	p	02 29 25.6				
JUL	16	PNS	ip	03 14 40.1	C	0.5	3	2.2
			S	15 06				
		LPB	p	03 14 41.6		0.5	14	2.1
			S	15 06.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	16	PNS	p	05 19 03.2	D			3.5
			S	44.3				
		LPB	eP	05 19 03.5				
JUL	16	SCS	ip	06 47 01.1	D			
		LPB	ip	06 47 02.0	C	1.1	75	2.9
			S	36				
		PNS	ip	06 47 03.4	C	0.6	17	3.0
			S	38				
		TRJ	p	06 47 29.4	D			
JUL	16	USCGS 07 18 22.7, 25.8S, 69.2W, H = 33 Km, M = 3.4 GUERRERO, MEXICO						
		TRJ	p	07 19 50.7	C			
		LPB	p	07 20 38.7		0.8	4	9.4
		PNS	p	07 20 39.1		0.8	4	
JUL	16	PNS	p	09 12 25.4		0.5	2	3.5
			eS	13 00.6				
JUL	16	USCGS 09 15 20.7, 15.3N, 94.9W, H = 55 Km, M = 4.1 NR CST OF OAXACA, MEXICO						
		PNS	eP	09 22 54.6		1.0	5	
JUL	16	USCGS 09 20 54.9, 1.8S, 27.9W, H = 33 Km, M = 4.6 S ATLANTIC OCEAN						
		LPB	p	09 28 47		1.0	24	42.0
			eL	41				
		PNS	ip	09 28 49.3	D	0.9	19	
			eL	41.4				
JUL	16	LPB	eP	09 29 45				
		PNS	ip	09 29 50.7	C	0.6	9	2.6
			iS	30 21.6				
JUL	16	PNS	eP	09 33 00.9		0.5	2	
			eL	44.2				
		LPB	eP	09 33 05				
JUL	16	USCGS 09 42 41.5, 31.6S, 70.0W, H = 95 Km, M = 4.7 CHILE-ARGENTINA BOR REG						
		TRJ	p	09 45 20.3				
		SCS	ip	09 46 13.4	D			
		LPB	p	09 46 15.6		1.2	340	14.2
			eL	50				
		PNS	p	09 46 16.4		1.6	400	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	16	TRJ	P	10 09 07.9	C			
		LPB	eP	10 09 43.5				
		PNS	P	10 09 46.7	C	0.6	5	
JUL	16	LPB	eP	11 25 39				
		PNS	eP	11 25 39.8				
JUL	16	LPB	P	11 52 23.5		0.8	7	
		PNS	P	11 52 25.4		0.6	4	
		TRJ	P	11 51 57.0				
JUL	16	LPB	eP	13 42 31				
		PNS	eP	13 42 34				
JUL	16	USCGS	13 34 29.9, 0.8S, 132.6E, H = 33 Km,					
		NEW GUINEA REG						
		TRJ	PKP	13 54 19.6				
			i	31.8				
		LPB	PKP	13 54 22		1.0	14	153.2
			pPKP	30.6				
			PKP2	42.5				
			PP	58 10				
			eSS	14 17 46				
			eL	47				
		PNS	PKP	13 54 22.0	C	0.9	6	
			pPKP	29.4				
			eSS	14 17 56				
			eG	37.8				
			eL	47.3				
		SCS	PKP	13 54 35.4				
JUL	16	PNS	P	14 45 06.8		0.6	2	
JUL	16	TRJ	P	16 10 10.1				2.7
			S	42.4				
		PNS	P	16 10 55.5		0.5	3	
JUL	16	PNS	P	16 17 45.6		0.5	4	4.8
			S	18 40.6				
JUL	16	PNS	P	16 19 21.8	C	1.0	10	
JUL	16	LPB	eP	17 33 59				
		PNS	eP	17 33 59				
JUL	16	LPB	P	20 50 47		0.8	7	
JUL	16	PNS	iP	20 57 14.0	D	0.5	5	1.8
			iS	36.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	16	USCGS	20 39 29.2, 12.2N, 144.1E, H = 33 Km,					
		S OF MARIANA IS						
		PNS	ePKP	20 59 12		1.1	11	
		LPB	ePKP	20 59 15				14[illegible].4
			eL	21 49				
JUL	16	USCGS	21 03 52.8, 13.1S, 75.2[illegible], H = 95 Km,					
		PERU						
		PNS	P	21 05 37.3	C	1.0	21	
			S	07 02.5				
		LPB	P	21 05 45.5		0.4	[illegible]	[illegible]7.5
			e(S)	07 04				
JUL	16	LPB	eP	22 56 21.7		1.0	12	
		PNS	P	22 56 21.8	D	1.0	6	
JUL	17	LPB	eP	01 02 04.5		0.8	10	
JUL	17	PNS	P	03 35 53.0		0.6	5	4.0
			eS	36 4[illegible].0				
		LPB	P	03 35 55		0.9	10	
			i	36 09				
		SCS	P	03 35 58.2				
JUL	17	LPB	eP	03 50 19.5				
		PNS	P	03 50 25.5	C	0.5	2[illegible]	JUG.[illegible]
			S	57				
JUL	17	PNS	eP	04 02 43				
JUL	17	LPB	P	08 31 44.7				
		SCS	P	03 31 48.4				
JUL	17	LPB	P	08 39 53.5		1.0	10	3.1
			S	40 29.5				
JUL	17	USCGS	10 15 24.2, 25.5S, 70.9[illegible], H = 33 Km,					
		NR COST OF [illegible] CHILE						
		PNS	P	10 17 43.0		0.5	1	
			eSS	19 56				
		LPB	eP	10 17 46.3		1.0	3	9.4
			S	19 59.1				
JUL	17	PNS	eP	10 37 55				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	17	USCGS	11 28 13.4, 51.1N, 169.3W, H = 33 Km, M = 5.0					
		FOX IS ALEUTIAN IS						
		PNS	eSS	12 02 36				
		LPB	eL	12 21				109.5
JUL	17	LPB	eP	12 50 41.5				
		PNS	iP	12 50 43.6	C	0.5	13	2.5
			iS	51 13.7				
JUL	17	USCGS	12 36 07.7, 30.3N, 142.1E, H = 33 Km, M = 4.5					
		NR E CST OF HONSHU, JAPAN						
		PNS	PKP	12 55 44.0		1.4	21	
		LPB	PKP	12 55 46.2		0.9	24	145.8
		SCS	PKP	12 55 43.0				
		TRJ	ePKP	12 55 48.2				
JUL	17	TRJ	eP	13 18 25.8				
		PNS	iP	13 18 26.7	C	0.8	37	3.2
			S	19 04				
		LPB	eP	13 18 30		1.0	20	3.6
			eS	19 12				
JUL	17	PNS	P	15 34 34.3		0.4	2	
JUL	17	LPB	eP	16 18 19.5				
		PNS	P	16 18 21.8	D	1.5	21	
JUL	17	PNS	P	16 25 34.9	C	0.6	5	1.9
			S	58.2				
		LPB	eP	16 25 35.7				
JUL	17	LPB	eP	17 09 32				
		PNS	P	17 09 33.4				
JUL	17	PNS	P	17 30 02.7		0.4	4	
JUL	17	USCGS	18 45 02.5, 42.7S, 83.4W, H = 33 Km, M = 4.9					
		N CHILE RISE						
		PNS	iP	18 51 05.8	D	1.5	30	
			L	59.5				
		LPB	P	18 51 09		1.0	28	29.9
			L	59				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	18	TRJ	P	00 14 25.2				
		PNS	iP	00 14 48.9	C	0.5	2	
JUL	18	LPB	eP	02 01 17				
		PNS	P	02 01 21.4		0.4	3	2.2
			S	47				
JUL	18	LPB	eP	03 23 35.5				
JUL	18	LPB	eP	03 37 59.5				
		PNS	eP	03 38 01				2.7
			S	33.4				
JUL	18	LPB	eP	04 25 25				2.0
			S	49.5				
		PNS	P	04 25 25.5		0.4	2	2.2
			S	51.1				
JUL	18	LPB	eP	04 54 17.5				3.5
			S	59				
		PNS	P	04 54 21.8				2.8
			S	55				
		TRJ	eP	04 54 25.8				
		SCS	iP	04 54 44.7				
JUL	18	PNS	P	06 25 46.8	C	0.7	2	
		LPB	eP	06 25 51				
JUL	18	TRJ	P	06 49 18.7				
		LPB	P	06 49 22		1.0	10	4.1
			S	50 10				
		PNS	iP	06 49 24.8	D	0.8	10	4.1
			S	50 13				
JUL	18	TRJ	eP	07 40 07.1				
		LPB	eP	07 40 19				
		PNS	eP	07 40 22.3		0.8	7	
JUL	18	PNS	iP	08 13 53.2	D	0.4	16	
		LPB	P	08 13 54.5				
JUL	18	LPB	eP	08 35 39.2				
		PNS	P	08 35 40		0.3	3	

MONTH	DAY	STA	PHASE	TIME	SIGN	DEP	AMPL	DIST
JUL	18	USCGS	09 07 00.2, 9.0S, 80.7W, H = 33 Km, M = 4.2					
		ORF CST OF N PERU						
		PMS	eP	09 10 22				
			eS	14.2				14.1
		LPB	eP	09 10 25.5				
JUL	18	USCGS	09 41 30.4, 21.2S, 67.5W, H = 195 Km, M = 4.0					
		CHILE BOLIVIA BOR REG						
		TRT	iP	09 42 23.3	D			
			iS	54.4				
		SCP	P	09 42 40.3	D			
		LPB	P	09 42 50.2	C	0.8	72	4.7
			S	43 46.4				
		PMS	iP	09 42 54.3	C	0.6	35	
			S	43 52.6				
JUL	18	USCGS	10 19 51.9, 30.6N, 142.3E, H = 33 Km, M = 4.0					
		NR E CST OF HONSHU, JAPAN						
		LPB	eS	11 30				145.2
JUL	18	USCGS	14 16 10.0, 18.7S, 71.3W, H = 27 Km, M = 4.2					
		ORF CST OF N CHILE						
		SCP	iP	14 17 07.0	D			
		PMS	iP	14 17 07.1	C	0.8	6	
			S	18 00				
		LPB	P	14 17 08.5		0.7	39	3.6
			i	14.2				
			eS	18 01.5				
		TRT	iP	14 17 49.2	D			
			P	14 34 56.7				2.8
JUL	18	TRT	S	35 29.9				
		LPB	eP	14 35 19		0.7	10	
		PMS	P	14 35 20.3	C	0.8	7	
JUL	18	TRT	P	17 02 48.2	G	0.6	13	
		LPB	eP	17 03 28.8		0.8	10	4.2
		PMS	iP	17 03 34.1	C			
			S	04 23				
JUL	18	USCGS	16 59 21.9, 40.1N, 142.4E, H = 52 Km, M = 4.4					
		NR E CST OF HONSHU, JAPAN						
		PMS	ePKP	17 10 56.6				144.3
		LPB	ePKP	17 18 57				
JUL	18	PMS	iP	17 42 52.3	D	0.4	10	1.8
			S	43 14.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	DEP	AMPL	DIST
JUL	18	LPB	eP	19 12 26				
		PMS	P	19 40 31.3	C	0.6	2	
JUL	18	PMS	P	20 22 00.6		0.6	5	
JUL	18	TRT	P	20 33 10.5	D			2.7
			S	47.4				
JUL	18	PMS	P	20 37 42.7	C	0.6	3	
JUL	18	PMS	P	22 56 00.4		0.6	3	
JUL	18	LPB	eP	23 12 26				
		PMS	P	23 12 39.3		0.6	4	
JUL	18	LPB	eP	23 13 20		0.5	9	
		PMS	P	23 13 23.6	C	0.6	3	
JUL	18	PMS	P	23 47 44.7				
		LPB	eP	23 47 46.5				
JUL	19	USCGS	00 41 44.3, 7.4S, 156.3E, H = 0 Km, M = 4.4					
		SOLOMON IS						
		LPB	PKP	01 08 51		0.9	7	130.0
			eL	13				
		PMS	PKP	01 09 51.1		1.0	7	
JUL	19	PMS	eP	02 08 30				
		LPB	eP	02 05 21				
JUL	19	PMS	iP	04 12 [illegible]		0.4	35	1.9
			S	13 04				
		LPB	P	04 12 49.0		0.6	10	2.0
				13 16				
JUL	19	LPB	eP	05 01 12.5				
		PMS	eP	05 00 44.2		0.8	3	
JUL	19	LPB	P	05 23 14.2				0.7
			S	21.7				
		PMS	P	05 23 15.0		0.6	3	0.5

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	19	TRJ	P	05 43 28.1	D			
JUL	19	LPB	eP	07 08 35				
		PNS	eP	07 08 42.6				
JUL	19	LPB	eP	08 37 13				
JUL	19	USCGS	09 11 04.5, 21.3S, 66.6W, H = 234 Km, M = 4.8					
		S BOLIVIA						
		TRJ	iP	09 11 44.1	D			
		SCS	iP	09 12 11.2	D			4.8
		LPB	iP	09 12 21.7	D			
			iS	13 21				
		PNS	iP	09 12 26.2	D			
			iS	13 30.3				
JUL	19	PNS	P	13 43 54.0				
			i	44 00.8				
JUL	19	PNS	eP	13 47 24.8		1.1	8	
JUL	19	PNS	P	16 14 00.4	C	0.4	2	2.0
			S	24.4				
		LPB	eP	16 15 01				
JUL	19	PNS	eP	16 24 26		1.3	8	
JUL	19	LPB	eP	16 34 11.4				
		PNS	P	16 34 15.1	C	0.6	4	
JUL	19	USCGS	17 04 14.6, 33.4N, 140.8E, H = 33 Km, M = 4.4					
		S OF HONSHU, JAPAN						
		PNS	PKP	17 24 01.2	C	0.7	4	148.9
		LPB	ePKP	17 24 02				
JUL	19	LPB	eP	19 44 57.5				
		PNS	P	19 45 01.5	C	0.9	7	
JUL	19	LPB	eP	19 56 28.6				
		PNS	eP	19 56 29				
JUL	19	LPB	eP	21 24 08.2				
		PNS	P	21 24 09.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	19	USCGS	22 24 12.4, 8.6S, 157.7E, H = 33 Km, M = 5.2					
		SOLOMON IS						
		PNS	ePKP	22 43 20.6		0.8	4	
		LPB	ePKP	22 43 21.5				120.2
JUL	19	LPB	eP	23 04 03				
		PNS	iP	23 04 05.0	D	0.4	7	2.0
			S	29				
JUL	20	LPB	eP	00 02 19				
JUL	20	LPB	eP	00 34 49.5				
		PNS	P	00 34 52.6		0.7	4	
JUL	20	LPB	P	01 27 14		0.5	6	
		PNS	P	01 27 15.7	C	0.4	1	2.2
			S	42.0				
JUL	20	TRJ	iP	01 31 19.4				
		LPB	eP	01 31 27.7				
		PNS	P	01 31 30.8	D	0.4	3	
JUL	20	USCGS	01 39 44.5, 46.9S, 33.9E, H = 33 Km, M = 5.0					
		PRINCE EDWARD IS REG						
		TRJ	P	01 51 55.0				
		LPB	P	01 52 24				84.7
		PNS	P	01 52 25.0	C	1.2	19	
			eS	02 02 49				
			eL	20.1				
JUL	20	TRJ	eP	06 00 06.9				
		PNS	P	06 00 24.7		0.7	3	
		LPB	eP	06 00 25.3				
JUL	20	USCGS	05 47 31.4, 1.2S, 136.7E, H = 73 Km, M = 4.9					
		MOLUCCA SEA						
		PNS	ePKP	06 07 23				
		LPB	ePKP	06 07 25				156.0
			eL	07 01				
JUL	20	PNS	eP	06 56 00.6		1.0	6	
		LPB	eP	06 56 03				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	20	USCGS	08 40 20.1, 3.4N, 84.0W, H = 33 Km, M = 4.0					
		OFF CST OF CENTRAL AMERICA						
		LPB	eP	08 45 39		0.8	6	24.8
		PNS	P	08 45 41.8		1.1	10	
			ePP	52				
JUL	20	USCGS	09 02 25.7, 4.6S, 144.2E, H = 94 Km, M = 5.1					
		NR N CST OF NEW GUINEA						
		TRJ	ePKP	09 21 31.9				142.1
		LPB	PKP	09 21 44				
		PNS	PKP	09 21 44.6	C	0.8	6	
JUL	20	USCGS	09 02 47.3, 56.5N, 153.3W, H = 33 Km, M = 4.5					
		KODIAK IS REG						
		PNS	eP	09 16 35.6				
								1.9
JUL	20	PNS	iP	11 51 06.1				
			iS	28				2.1
		LPB	eP	11 51 08.5				
			eS	34				
JUL	20	USCGS	11 40 41.2, 6.3S, 147.0E, H = 61 Km, M = 5.1					
		E NEW GUINEA REG						
		PNS	ePKP	11 59 52.2		1.3	12	
			pPKP	12 00 04.1				
			PKS	34.3				
			eL	46.1				138.6
		LPB	ePKP	11 59 53				
			pPKP	12 00 04				
			PKS	03 34.5				
			eL	46				
JUL	20	USCGS	12 07 58.0, 19.6S, 71.3W, H = 33 Km, M = 4.2					
		OFF CST OF N CHILE						
		PNS	iP	12 09 02.5	D	0.8	8	
			iPP	13.7				
			S	54				
		LPB	P	12 09 03.2	D	1.0	50	4.1
			iPP	13.4				
JUL	20	USCGS	13 11 35.0, 28.1S, 66.9W, H = 157 Km, M = 5.3					
		CATAMARCA PROV, ARGENTINA						
		LPB	eP	13 14 13.5		0.7	27	
			S	16 20				
			L	17				
		TRJ	iP	13 14 16.0	C			
		PNS	P	13 14 18.7	C	0.8	85	
			S	16 26				
			L	17.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	20	USCGS	14 26 14.1, 51.4N, 178.3E, H = 33 Km, M = 5.3					
		RAT IS, ALEUTIAN IS						
		PNS	ePKP	14 45 01		1.3	14	
		LPB	ePKP	14 45 06				117.7
			eL	15 22				
JUL	20	PNS	eP	14 55 24.4				
		LPB	eP	14 55 26				
JUL	20	USCGS	15 36 20.1, 7.7N, 134.9E, H = 8 Km,					
		CAROLINE IS						
		LPB	PKP	15 56 18		1.5	198	155.7
			PKP2	40				
			PP	16 00 18				
			SS	20 04				
			eL	49.5				
		PNS	PKP	15 56 18.4		1.6	160	
			iPKP2	42.0				
			PP	16 00 21.0				
		TRJ	PKP	15 56 22.8				
JUL	20	PNS	eP	16 37 01		0.6	3	
JUL	20	USCGS	17 57 36.0, 21.8S, 68.6W, H = 123 Km, M = 4.1					
		CHILE-BOLIVIA BOR REG						
		PNS	iP	17 58 57.6	D	1.4	90	
			eS	59 56.6				
		LPB	P	17 58 58.7		1.0	42	5.4
		TRJ	iP	17 58 30.6	C			
			iS	59 00.2				
JUL	20	LPB	eP	19 19 32.2				
		PNS	eP	19 19 37.4		0.9	9	
JUL	20	LPB	P	19 45 07.2		0.7	10	
		PNS	P	19 45 10.3		1.0	9	
JUL	20	LPB	eP	19 55 40.5				
		PNS	eP	19 55 43.5		0.5	3	3.6
			S	56 26				
JUL	20	USCGS	20 24 38.0, 15.6S, 71.1W, H = 17 Km, M = 4.5					
		S PERU						
		PNS	P	20 25 20.5	C			
			S	26 02				
		LPB	P	20 25 27.3		1.4	1980	3.1
			S	26 08				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	20	PNS	P	20 33 03.6		0.3	6	
			i	38.6				
		LPB	eP	20 33 03.7				
JUL	20	USCGS	23 12 54.4, 26.5S, 178.5E, H = 596 Km, M = 5.2					
		S OF FIJI IS						
								102.5
		LPB	eP	23 25 26				
		PNS	eP	23 25 50				
			eSKS	36 48				
			eSS	44 40				
JUL	20	LPB	P	23 05 05.7		1.0	10	
		PNS	P	23 55 07.8		0.6	2	
JUL	21	PNS	eP	00 07 50.6		1.4	12	
JUL	21	PNS	eP	00 26 01				
		LPB	eP	00 26 05.5				
								5.0
JUL	21	PNS	P	01 01 35				
			iS	02 32.5				
		LPB	eP	01 01 38.7		0.6	10	5.3
			eS	02 39.5				
								3.9
JUL	21	LPB	eP	01 23 03				
			S	48.4				
JUL	21	PNS	iP	02 10 34.9	C	0.4	12	2.2
			S	11 00.8				
		LPB	P	02 10 37.5	C	0.9	14	2.3
			S	11 06				
JUL	21	PNS	P	02 22 33.0	C	1.4	12	
		LPB	P	02 22 33.5				
JUL	21	LPB	P	02 36 12.5		0.7	7	
		PNS	P	02 36 16.0		0.8	5	
JUL	21	PNS	iP	04 55 35.4	D	0.6	20	2.0
			S	59				
		LPB	P	04 55 36.2		0.7	7	2.2
			S	56 02				
JUL	21	USCGS	05 44 50.6, 34.6N, 137.7E, H = 293 Km, M = 4.4					
		NR S CST OF HONSHU, JAPAN						
								151.0
		PNS	ePKP	06 03 01.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	21	USCGS	09 42 05.3, 33.0N, 138.3E, H = 301 Km, M = 4.2					
		S OF HONSHU, JAPAN						
		PNS	ePKP	09 01 22.2		0.8	6	
		LPB	PKP	09 01 25				151.1
JUL	21	USCGS	09 14 48.9, 37.5N, 90.4W, H = 35 Km, M = 3.9					
		E MISSOURI						
		PNS	eP	09 24 40				
		LPB	eP	09 24 40.5		0.8	7	57.7
			eS	26 11.5				
JUL	21	PNS	P	09 56 51.0				
JUL	21	LPB	eP	10 12 53.2				
		PNS	iP	10 12 53.9	C	0.5	4	2.2
			i	57.5				
			S	13 20.0				
JUL	21	SCS	P	10 22 30.5	D			
		LPB	iP	10 22 41.5				2.3
			S	23 08.7				
		PNS	P	10 22 49.0	C			2.7
			S	23 21				
JUL	21	PNS	P	11 51 41				
JUL	21	USCGS	11 59 17.9, 34.8S, 72.3W, H = 33 Km, M = 4.1					
		NR CST OF CENTRAL CHILE						
		LPB	eP	12 03 35				18.7
		PNS	P	12 03 37.2		1.3	10	
JUL	21	TRJ	iP	12 12 45.6	C			
		SCS	P	12 13 02.3				
		LPB	eP	12 13 08.2		0.6	7	2.8
			S	14 41				
		PNS	P	12 13 09.7	C	1.0	.9	3.0
			S	14 44.6				
JUL	21	USCGS	12 45 57.4, 21.3S, 176.2W, H = 199 Km, M = 4.5					
		FIJI IS REG						
		PNS	eSKS	13 10 00				
		LPB	L	13 22.5				99.9
JUL	21	PNS	P	16 33 49.2		0.5	3	
		LPB	eP	16 33 53.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	21	USCGS	16 59 12.7, 22.7S, 70.4W, H = 42 Km, M = 4.3					
		NR CST OF N CHILE						
		TRJ	i	17 00 36.8				
		SCS	P	17 00 46.6				
		PNS	P	17 00 53.0		0.5	5	
			Pn	01 01.9				6.8
		LPB	P	17 00 54.4		0.5	10	
			Pn	59.5				
JUL	21	PNS	iP	21 23 34.2	D	0.7	10	
		LPB	eP	21 23 37.5		0.5	13	
JUL	21	PNS	P	22 06 51.6		0.5	3	
JUL	21	LPB	iP	23 24 22.3	D	0.9	66	
		PNS	iP	23 24 25.7	D			1.9
			iS	49				
		SCS	iP	23 24 25.9	D			
JUL	22	LPB	eP	00 27 44.6				
		PNS	P	00 27 46.8				
JUL	22	PNS	P	00 33 47.0	C	0.5	3	
		LPB	eP	00 33 48				
JUL	22	USCGS	03 58 02.4, 33.5S, 179.0W, H = 39 Km, M = 5.0					
		SOUTH OF KERMADEC ISLANDS.						
		LPB	eP	04 11 31				97.1
			pP	46.3				
			SKS	22 09				
			PS	24 22				
			L	43.3				
		PNS	eP	04 11 31.7				
			iSKS	22 11				
			iPS	24 24.0				
			eSS	29 41				
			eG	37.1				
			L	43.4				
JUL	22	USCGS	05 28 34.1, 10.9S, 165.8E, H = 64 Km, M = 5.0					
		SANTA CRUZ ISLANDS						
		LPB	ePKP	05 47 11				120.1
			eSS	06 05 11				
			eL	26				
		PNS	PKP	05 47 21.0				
			SS	06 05 18				
			eG	18.1				
			eL	25.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	22	USCGS	07 49 35.9, 59.7S, 26.2W, H = 33 Km, M = 5.4					
		S SANDWICH IS REG						
		TRJ	iP	07 58 06.6	C			
		SCS	P	07 58 41.0	D			
		LPB	iP	07 58 50	C	1.0	46	52.6
			eL	08 15.4				
		PNS	iP	07 58 53.0	C	0.8	26	
			eS	08 06 16				
			eG	11.3				
			eL	15.5				
JUL	22	PNS	eP	10 32 09				5.6
			eS	33 13				
		LPB	eP	10 32 10.3				
JUL	22	USCGS	11 08 21.9, 8.1S, 117.7E, H = 21 Km, M = 4.9					
		SUMBAWA ISLAND REG						
		PNS	ePKP	11 20 15.4				154.8
JUL	22	PNS	P	12 59 14.1	C	0.4	5	2.9
			iS	47.2				
		LPB	eP	12 59 15				
JUL	22	LPB	eP	13 48 40.5				
		PNS	eP	13 48 43				
JUL	22	USCGS	13 47 54.0, 31.6S, 69.5W, H = 111 Km, M = 4.9					
		SAN JUAN PROV, ARGENTINA						
		SCS	iP	13 51 10.9	D			
		LPB	P	13 51 22.7		1.0	60	14.9
			eS	54 22.5				
			eL	55				
		PNS	iP	13 51 26.1	C	1.5	143	
			S	54 27.5				
			eS	51.2				
		TRJ	i	13 51 28.1				
JUL	22	PNS	iP	13 57 10.4	C	0.5	5	1.7
			S	11.6				
JUL	22	PNS	iP	14 31 3[illegible]	D			[illegible]
			iS	22 03.[illegible]				
		LPB	P	14 31 [illegible]		0.5	27	
JUL	22	PNS	iP	15 35 02.0	C	0.6	6	
		SCS	P	16 35 09.2				
		LPB	eP	16 35 10				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	22	TRJ	i	16 49 09.4				
		LPB	eP	16 49 50				
		PNS	P	16 49 54.5				
JUL	22	USCGS	16 56 53.3, 40.7N, 30.8E, H = 4 Km, M = 7.2					
		TURKEY						
		PNS	eP	17 11 11.4				
			iPP	15 49.2				
			S	23 19				
			PS	24 53				
			SS	31 00				
			G	40.8				
			L	48.2				
		LPB	eP	17 11 17				107.9
			PP	47.3				
			S	23 19				
			L	48				
JUL	22	TRJ	eP	17 14 24.0				
		LPB	eP	17 14 31				
			i	15 47				
JUL	22	PNS	eP	17 26 45.7				
JUL	22	PNS	iP	17 50 34.4	C	0.4	6	2.0
			S	58				
		LPB	eP	17 50 34.5				
JUL	22	USCGS	17 48 06.0, 40.6N, 30.7E, H = 26 Km, M = 5.0					
		TURKEY						
		PNS	eP	18 02 23				107.9
JUL	22	USCGS	19 47 26.0, 40.8N, 30.7E, H = 33 Km, M = 4.6					
		TURKEY						
		LPB	eL	20 38				107.9
		PNS	eL	20 38.7				
JUL	22	PNS	iP	23 05 49.2	C	0.5	7	2.3
			S	06 16				
JUL	22	USCGS	23 41 59.5, 40.6N, 30.7E, H = 33 Km, M = 4.7					
		TURKEY						
		LPB	eP	23 56 14				107.1
		PNS	eL	00 33.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	23	PNS	iP	00 40 37.7				1.8
			S	41 00				
		LPB	P	00 40 40.7				
		TRJ	P	00 41 06.8	C			
JUL	23	USCGS	00 46 10.9, 33.2S, 69.6W, H = 33 Km, M = 4.5					
		CHILE-ARGENTINA BOR REG						
		LPB	eP	00 49 57				16.1
			eL	54				
		PNS	eP	00 50 07.8		0.8	4	
JUL	23	USCGS	03 08 43.7, 15.7S, 167.1E, H = 33 Km, M = 4.9					
		NEW HEBRIDES ISLANDS						
		LPB	ePKP	03 27 23.5				116.5
			eL	04 04				
		PNS	ePKP	03 27 28.9				
			eSS	44 28				
			L	04 04.3				
JUL	23	PNS	eP	05 22 06				
		LPB	eP	05 22 56.7		0.9	8	
JUL	23	USCGS	06 56 58.0, 38.2S,73.5W, H = 33 Km, M = 4.5					
		NEAR OF CENTRAL CHILE						
		TRJ	P	07 01 10.9	D			
		LPB	P	07 01 54.8		1.2	46	22.0
			eL	08				
		PNS	eP	07 01 55.2		0.9	20	
			S	06 09				
			eL	08				
			eScS	13				
JUL	23	PNS	iP	07 59 32.8	C			
		LPB	P	07 59 34		1.2	16	27.2
JUL	23	USCGS	09 33 54.0, 3.8N, 32.0W, H = 33 Km, M = 4.3					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	09 41 36				41.0
			eL	54				
		PNS	P	09 41 38.3		0.9	12	
			pP	47.4				
			eL	53.9				
JUL	23	LPB	P	13 37 21.2		0.8	18	
			eL	14 33.2				
		PNS	iP	13 37 26.1	C	0.6	7	
			eL	14 33				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	23	LPB	P	13 37 21.2		0.8	18	
			eL	14 33.2				
		PNS	iP	13 37 26.1	C	0.6	7	
			eL	14 33.				
JUL	23	USCGS	13 48 06.0, 56.2S, 158.3E, H = 33 Km, M = 5.1					
		MACQUARIE ISLAND REGION						
		PNS	SKS	14 14 44				
			eL	48.4				
		LPB	eL	14 48				127.2
JUL	23	PNS	P	16 51 34.7				3.0
			S	52 10				
JUL	23	PNS	eP	16 54 53.7				9.7
			S	56 43				
JUL	23	LPB	eP	17 39 22.5				
		PNS	iP	17 38 24.0	C	0.4	2	2.0
			S	46.2				
JUL	23	PNS	P	19 23 44.0		1.0	8	
JUL	23	LPB	eP	21 41 52		0.7	7	
		PNS	P	21 41 55.7		1.0	12	
JUL	23	LPB	eP	22 21 58.5				
		PNS	eP	22 21 59.4				
JUL	23	USCGS	22 06 09.0, 36.0N, 139.3E, H = 33 Km, M = 4.1					
		HONSHU, JAPAN						
		LPB	eL	23 16				149.4
JUL	24	LPB	eP	02 33 24.5				
JUL	24	PNS	P	04 02 34.5		1.5	30	
		LPB	P	04 02 37		1.0	8	
JUL	24	PNS	P	04 33 34.9		0.8	9	
			P	04 33 39.2		1.0	10	
JUL	24	USCGS	04 25 51.0, 2.4S, 77.9W, H = 33 Km, M = 4.1					
		NEAR COAST OF PERU						
				04 39 4				16.3
			P	04 39 44.1		0.9	10	
				42 10				
				44.1				
				52 07				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	24	PNS	P	04 43 04		0.7	5	
		LPB	P	04 43 08.6		0.8	7	
JUL	24	USCGS	04 45 23.0, 11.3S, 79.5W, H = 33 Km, M = 4.8					
		OFF COAST OF PERU						
		PNS	eP	04 48 16				12.1
JUL	24	USCGS	05 24 00.0, 28.1S, 70.3W, H = 34 Km, M = 4.0					
		CENTRAL CHILE						
		PNS	eP	05 26 00.6				
			S	28 13				
		LPB	eP	05 26 47.5				11.8
JUL	24	LPB	P	06 34 47.5		0.8	4	
		PNS	P	06 34 51.5		0.6	3	
JUL	24	LPB	P	06 58 17.8	D	1.0	130	
			eS	59 05				4.0
		PNS	P	06 58 21.2	D			
			S	59 10				4.2
JUL	24	USCGS	07 39 31.7, 8.3S, 121.3E, H = 197 Km, M = 5.7					
		E FLORES ISLAND REGION						
		LPB	PKP	07 59 03.1	D	1.1	50	153.6
			PKP2	25.0				
			pPKP	56				
			eL	08 53				
		PNS	PKP	07 59 03.6	D	1.2	31	
			iPKP2	25.4				
			eL	52.2				
JUL	24	PNS	iP	07 59 11.8		1.2	38	
JUL	24	PNS	eP	08 09 11.5		1.4	31	
		LPB	P	08 09 15.5		1.2	31	
JUL	24	PNS	P	09 40 17.1	C	0.4	2	2.5
			S	47.2				
JUL	24	USCGS	10 13 56.4, 13.5S, 76.3W, H = 60 Km, M = 4.2					
		NEAR COAST OF PERU						
		PNS	P	10 15 53.2		1.0	85	
			S	17 30				
		LPB	P	10 16 00		0.9	73	
			eS	27.5				8.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	24	PNS	P	11 20 27.1	C	0.6	36	3.2
			S	21 05				
		LPB	P	11 20 31.4	C	0.9	107	3.4
			eS	21 11.5				
JUL	24	USCGS	13 34 05.0, 36.5N, 138.1E, H = 33 Km, HONSHU, JAPAN					
		PNS	eL	14 16.7				149.4
JUL	24	PNS	P	15 03 59.1	C	0.4	4	1.8
			iS	04 21.6				
		LPB	eP	15 03 59.5				
JUL	24	PNS	P	15 22 08.5	C	0.4	2	1.8
			S	31.0				
		LPB	eP	15 22 09.5				
JUL	24	SCS	iP	15 28 46.0	D			2.2
		LPB	P	15 28 51.5	D	0.6	13	
			S	29 18				
		PNS	iP	15 28 52.6	D	0.7	21	2.3
			S	29 21				
JUL	24	USCGS	15 27 45.4, 33.1N, 142.1E, H = 22 Km, M = 4.6 OFF EAST COAST HONSHU, JAPAN					
		PNS	PKP	15 47 29.1		0.8	6	
			ipPKP	42.4				
			eL	39.2				148.4
		LPB	PKP	15 47 30				
			pPKP	44.7				
		SCS	PKP	15 47 33.2	D			
JUL	24	PNS	P	17 00 35.5	C	0.6	2	1.9
			S	59.2				
								3.2
JUL	24	LPB	eP	18 04 40				
			S	05 17				
		PNS	P	18 04 48.1	C	0.5	3	3.5
			S	05 29				
JUL	24	LPB	eP	18 21 19		0.7	3	
		PNS	P	18 21 23.7				
JUL	24	LPB	eP	20 14 35				
JUL	24	PNS	iP	22 31 18.2	D	0.3	5	1.8
			S	40.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	25	USCGS	00 19 36.0, 11.3N, 108.5W, H = 33 Km, M = 3.9 REVILLA GIGEDO IS REG					
		LPB	P	00 27 53.5		1.0	6	52.1
			eL	44				
		PNS	P	00 27 55.3		0.9	5	
JUL	25	USCGS	00 33 02.0, 33.1N, 142.0E, H = 35 Km, M = 4.5 OFF EAST COAST HONSHU, JAPAN					
		LPB	ePKP	00 52 45				148.1
			eL	01 43				
		PNS	ePKP	00 52 45		0.7	3	
			L	01 43.7				
JUL	25	PNS	P	01 31 03.3		0.8	5	
		LPB	eP	01 31 07		1.0		
JUL	25	PNS	eP	04 25 31.3				
		LPB	eP	04 25 33				
JUL	25	PNS	iP	04 33 02.4	D	0.4	2	1.8
			S	24.4				
		LPB	eP	04 33 05.5				
JUL	25	PNS	eP	05 30 31				5.7
			S	31 35.8				
		LPB	eP	05 30 32.5		0.6	4	
JUL	25	USCGS	05 25 27.3, 7.5N, 37.5W, H = 33 Km, M = 4.2 CENTRAL ATLANTIC RIDGE					
		LPB	P	05 32 50	C	1.2	40	38.7
			L	05 44				
		PNS	iP	05 32 51.8	C	1.3	50	
			eS	39 50				
			L	44.2				
JUL	25	PNS	iP	07 04 16.2	D	0.5	8	1.8
			S	39.6				
		LPB	P	07 04 16.5		0.7	6	2.1
			S	41.2				
JUL	25	USCGS	07 19 01.2, 22.5S, 66.0W, H = 225 Km, M = 4.3 JUJUY PROV ARGENTINA					
		LPB	iP	07 20 34.0	D	0.7	210	6.5
			i	55.5				
			iS	21 44				
		PNS	iP	07 20 38.0	D			
			iS	21 51.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	25	PNS	iP	10 52 48.8	C	0.5	2	2.5
			S	53 18.4				
		LPB	eP	10 52 49.2		0.8	6	2.6
			eS	53 20.4				
JUL	25	PNS	P	11 21 03.3	D	0.8	4	
		LPB	eP	11 21 06.5		0.5	7	
JUL	25	PNS	eP	12 52 14				
JUL	25	LPB	eP	15 46 10.5		0.8	4	1.1
		PNS	P	15 46 12.2				
			S	47 26				
JUL	25	USCGS	16 14 43.6, 18.8S, 69.2W, H = 134 Km, M = 3.7					
		NORHERN CHILE						
		LPB	iP	16 15 26	C	0.7	130	2.9
			eS	16 24.5				
		PNS	iP	16 15 27.6	C			
			iS	16 27.4				
JUL	25	LPB	P	16 35 39.8	C	0.7	8	
		PNS	iP	16 35 40.0		0.6	4	
JUL	25	PNS	eP	18 16 20		1.0	6	
		LPB	eP	18 16 21.5				
JUL	25	LPB	P	18 32 50.5		1.1	12	
		PNS	P	18 33 52.8		1.2	8	
JUL	25	LPB	eP	20 01 53.2				2.7
		PNS	eP	20 01 57.8				
			eS	02 30				
JUL	25	PNS	eP	20 30 05.8				
JUL	25	PNS	iP	20 51 11.8	C	0.6	11	2.5
			S	41.7		0.5	8	
		LPB	eP	20 51 15.5				
JUL	25	LPB	eP	20 57 42.5		0.8	14	3.8
		PNS	eP	20 57 46.4				
			eS	58 30.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	25	PNS	iP	23 28 25.8	C	0.6	3	2.2
			S	52				
		LPB	eP	23 28 27				
JUL	26	PNS	iP	02 26 03.8	D	0.4	6	1.8
			S	26.3				
		LPB	eP	02 26 05.7				2.1
			S	31				
JUL	26	USCGS	03 1? 36.0, 7.3S, 128.9E, H = 118 Km, M = 5.1					
		BANDA SEA						
		CCH	ePKP	03 32 18.3				
		LPB	ePKP	03 32 18.5				151.1
		PNS	ePKP	03 32 19				
JUL	26	USCGS	06 31 10.6, 31.8S, 178.7W, H = 37 Km, M = 5.1					
		KERMADEC ISLAND						
		LPB	ePKP	06 44 39				97.6
			eL	07 17				
		PNS	L	07 17.4				
JUL	26	USCGS	07 42 03.0, 32.3N, 139.5E, H = 33 Km, M = 4.3					
		SOUTH OF HONSHU, JAPAN						
		PNS	ePKP	08 01 52.7				
			eG	44				
			eL	53.1				
		LPB	ePKP	08 01 53.5				150.3
			eL	53				
JUL	26	LPB	eP	08 04 30				2.5
			S	05 00				
		PNS	iP	08 04 31.3	C	0.7	5	2.5
			S	05 01.4				
JUL	26	USCGS	08 14 56.3, 22.0S, 170.1E, H = 30 Km, M = 5.0					
		LOYALTY ISLANDS REGION						
		LPB	ePKP	08 33 34				111.1
			L	09 07				
		PNS	eSS	08 49 50				
			eL	09 08				
JUL	26	USCGS	09 07 38.7, 8.6N, 70.9W, H = 33 Km, M = 4.6					
		VENEZUELA						
		PNS	P	09 13 00.8	D	1.3	58	
			eS	17 36				
			SS	19 23				
			eL	20.1				
		LPB	P	09 13 03.8	D	1.0	50	24.8
			PP	42.5				
			S	17 38				
			eL	21.4				
			P	09 13 13.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	26	PNS	P	10 24 20.4		1.0	8	
		LPB	eP	10 24 20.6				
								1.7
JUL	26	PNS	eP	10 52 21				
			S	42				1.8
		LPB	eP	10 52 23				
			eS	42				
JUL	26	LPB	eP	11 26 01				
		PNS	eP	11 26 01.6				
JUL	26	PNS	P	11 57 09.9		0.7	4	
		LPB	eP	11 57 12.3				
JUL	26	PNS	P	16 47 49.8		1.3	18	
		LPB	eP	16 47 50.5				
JUL	26	LPB	eP	16 59 22.5				
		PNS	P	16 59 25.9		0.8	7	
JUL	26	PNS	P	18 52 10.9	C	0.7	4	
JUL	26	USCGS	18 52 21.2, 17.4S, 174.0W, H = 15 Km, M = 5.0					
		TONGA ISLANDS						
								99.0
		LPB	eP	19 05 53.5				
			eL	36				
		PNS	eP	19 05 56.4				
			eSKS	16 44				
			PPS	19 42				
			SS	24 19				
			G	34.2				
			L	39.7				
JUL	26	USCGS	18 53 01.3, 39.5N, 40.4E, H = 33 Km, M = 5.6					
		TURKEY						
		PNS	ePKP	19 11 42		1.4	9	
			PS	22 13				
			iSS	28 29.0				
			eG	40.5				
			L	47.5				
								114.6
		LPB	ePKP	19 11 43				
			eL	47				
JUL	26	LPB	eP	21 06 34.5		0.5	10	
		PNS	P	21 06 37.0		0.6	3	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	27	USCGS	00 00 47.9, 19.9N, 109.4W, H = 31 Km, M = 5.1					
		REVILLA GIGEDO ISLANDS REG						
		PNS	iP	00 10 12.3	C	1.6	117	
			PS	18 05				
			L	27.9				
		LPB	P	00 10 15.5	C	1.0	54	54.1
			L	28.3				
		CCH	P	00 10 28.5	D			
JUL	27	USCGS	00 08 40.1, 6.8S, 155.4E, H = 54 Km, M = 5.2					
		SOLOMON ISLAND						
		PNS	ePKP	00 25 52.6				
			SS	45 45				
			eG	01 00.9				
			eL	08.9				
		LPB	eL	01 09				131.0
JUL	27	LPB	eP	00 31 05				
		PNS	P	00 31 08.9		0.9	9	
			i	36.2				
JUL	27	USCGS	01 23 19.0, 21.8N, 108.1W, H = 33 Km, M = 3.8					
		REVILLA GIGEDO SI REG						
		PNS	P	01 32 44.7		1.7	20	
		LPB	P	01 32 48				54.8
JUL	27	PNS	iP	01 49 01.5	D	0.4	7	3.4
			iS	41.8				
		LPB	P	01 49 04	D			4.0
			S	51				
JUL	27	USCGS	01 40 54.0, 31.7N, 50.8E, H = 65 Km, M = 5.0					
		IRAN						
		LPB	ePKP	01 59 49				122.4
		PNS	ePKP	01 59 52.2				
			eL	38.9				
JUL	27	PNS	P	03 18 48.7		0.8	9	
		LPB	eP	03 18 50.5				
JUL	27	CCH	iP	04 39 57.6	D			
JUL	27	USCGS	05 17 54.0, 64.0N, 20.7W, H = 33 Km, M = 5.0					
		ICELAND						
		PNS	eP	05 30 40.7				
			eS	41 23				
			eL	06 00.1				
		LPB	eP	05 30 41.5				88.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	27	LPB	eP	05 43 35				
JUL	27	PNS	eP	07 40 20				4.7
		LPB	P	07 40 22.5				
			S	41 17				
JUL	27	PNS	eP	07 46 25				7.4
JUL	27	PNS	eP	08 48 26				
			eS	49 50				
JUL	27	LPB	P	09 54 01.3		0.4	8	1.9
		PNS	P	09 54 02.8	C	0.5	1	
			S	26				
JUL	27	LPB	eP	10 48 32.5		0.5	1	
		PNS	P	10 48 36.3				
JUL	27	USCGS	11 35 33.8, 35.1S, 54.0E, H = 33 Km, M = 5.0					
		SOUTH INDIAN OCEAN						
		PNS	eP	11 49 31.6				
			eG	12 19.8				
			L	12 25.5				104.6
		LPB	eP	11 49 34				
			eSS	12 08 52				
			eL	26				
JUL	27	LPB	P	12 13 41.5	C	1.1	57	4.9
		PNS	iP	12 13 45.3	C			
			S	14 41				
JUL	27	PNS	eP	12 25 44.8				3.8
			S	26 28.6				
JUL	27	LPB	eP	13 35 34.2				
		PNS	iP	13 35 36.4	D	0.5	4	1.9
			S	59.5				
JUL	27	USCGS	13 35 11.0, 16.5N, 98.2W, H = 64 Km, M = 4.1					
		NEAR COAST GUERRERO-MEXICO						
		PNS	eP	13 43 13.6		1.2	10	
			eL	56.5				44.1
		LPB	eP	13 43 19				
			eL	57				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	27	LPB	eP	14 13 18.5		0.5	8	
		PNS	P	14 13 21.0	C	0.9	5	
JUL	27	LPB	eP	14 48 44				
		PNS	P	14 48 44.4	C	0.5	1	
JUL	27	LPB	P	16 21 59.3		0.4	12	
		PNS	iP	16 22 01.0	D	1.0	21	
JUL	27	PNS	P	16 40 40.6		0.6	5	
		LPB	eP	16 40 42.7				
JUL	27	USCGS	16 47 49.8, 31.3S, 68.0W, H = 91 Km, M = 4.7					
		SAN JUAN PROV ARGENTINA						
		PNS	P	16 51 20.2		1.0	26	
			eS	53 56				
			eL	55.5				
		LPB	P	16 51 20.8		0.9	42	14.1
			eL	55				
JUL	27	LPB	eP	16 54 57		0.5	7	
		PNS	P	16 55 01.0	C	0.6	5	
JUL	27	PNS	eP	18 08 52.3		0.4	4	4.0
			S	09 39				
		LPB	eP	18 08 56.8				
JUL	27	LPB	eP	18 48 20				
		PNS	P	18 48 21.5				
JUL	27	LPB	eP	19 51 07				
		PNS	P	19 51 08.0		0.6	3	
JUL	27	PNS	iP	20 13 35.4	D			2.1
			S	14 00				
		LPB	P	20 13 36.4	D	0.9	75	
JUL	27	LPB	eP	21 00 24.5				
		PNS	iP	21 00 28.2	C	1.0	10	
JUL	27	PNS	P	21 03 37.0	D	0.7	3	
		LPB	eP	21 03 37.4		0.7	7	
JUL	27	PNS	eP	22 09 00				
		LPB	eP	22 29 00.7				
JUL	27	LPB	eP	23 17 27				
		PNS	P	23 17 27				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	28	LPB	eP	00 45 51.7		1.0	8	
		PNS	P	00 45 51.8		0.8	4	
JUL	28	LPB	eP	01 32 02.2				
		PNS	iP	01 32 04.3	C	0.4	4	1.8
			S	26.2				
JUL	28	LPB	P	02 33 50.5		0.9	39	2.6
			S	34 21.5				
		PNS	P	02 33 52.6		0.6	5	2.8
			iS	34 25.8				
		CCH	P	02 33 56.1				
JUL	28	USCGS	03 46 29.8, 16.1N, 96.6W, H = 56 Km, M = 4.6					
		OAXACA, MEXICO						
		PNS	P	03 54 22.2		1.0	7	
			i	28.8				
			eS	04 00 44				
			eL	07.1				42.8
		LPB	eP	03 54 26				
			eL	04 07.2				
		CCH	eP	03 54 39.5				
JUL	28	CCH	eP	05 02 06.0	C			7.8
		LPB	eP	05 02 10.5				
			i	44.8				
			eS	03 39				
		SCS	eP	05 02 11.2				7.4
		PNS	eP	05 02 13				
			S	03 37				
JUL	28	USCGS	05 39 59.0, 14.5N, 147.1E, H = 33 Km, M = 4.3					
		MARIANA IS REG						
		PNS	PKP	05 59 39.8		0.8	3	
			ipPKP	50.0				146.1
		LPB	ePKP	05 59 40				
			pPKP	49.6				
			eL	06 50				
		SCS	PKP	05 59 42.0	D			
JUL	28	USCGS	09 47 19.3, 49.7S, 117.0E, H = 33 Km, M = 5.0					
		SOUTH OF AUSTRALIA						
		PNS	ePKP	10 06 10.5				
			eL	43.9				119.9
		LPB	eL	10 43.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	28	SCS	iP	10 44 28.4	C			
		PNS	iP	10 44 28.5	C			7.4
			iS	45 53				
		LPB	iP	10 44 29.3	C	0.9	6	
		CGH	iP	10 44 46.1	C			
JUL	28	USCGS	11 33 11.0, 44.9N, 111.3W, H = 33 Km, M = 4.2					
		HEBGEN LAKE REGION						
		PNS	eP	11 44 36				
		LPB	eL	12 08				72.9
JUL	28	USCGS	15 37 03.4, 63.9N, 20.5W, H = 31 Km, M = 4.6					
		IRELAND						
		PNS	eP	15 47 51				88.1
JUL	28	USCGS	17 27 35.7, 2.1N, 98.0E, H = 32 Km, M = 5.1					
		NORTHERN SUMATRA						
		LPB	ePKP	17 47 35				159.7
			eL	18 43				
		PNS	PKP	17 47 35.3		1.2	10	
			PKP2	48 17.8				
			eS	18 12 06				
			eL	45.6				
JUL	28	CCH	iP	18 37 47.7				
		LPB	eP	18 38 20				4.0
			S	39 06				
		PNS	P	18 38 23.3	D	0.6	8	3.7
			S	39 06				
JUL	28	USCGS	20 06 53.7, 8.4S, 116.9E, H = 63 Km, M = 5.4					
		SUMBAWA ISLAND REGION						
		PNS	PKP	20 26 42.7		1.4	24	
			pPKP	51.9				
			iPKP2	27 06.6				
			eSS	50 28				
			L	21 20.3				
		LPB	PKP	20 26 43		1.2	34	154.9
			iPKP2	27 06.2				
			eL	21 20				
JUL	28	USCGS	21 01 45.0, 7.4S, 128.7E, H = 135 Km, M = 4.6					
		BANDA SEA						
		LPB	ePKP	21 21 18.5				150.8
		PNS	ePKP	21 21 20.2		0.8	2	
			i	25.7				
			eL	22 13.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	29	PNS	eP	21 42 59.5				
		LPB	eP	21 03 00				
JUL	29	USCGS	23 38 59.9, 5.2S, 145.0E, H = 81 Km, M = 5.0					
		EAST NEW GUINEA REGION						
		LPB	ePKP	23 58 18				140.4
			eL	24 46				
		PNS	ePKP	23 5 18.2		0.7	4	
			eL	24 45.4				
		SCS	PKP	23 58 19.2				
JUL	29	USCGS	00 00 24.0, 38.2S, 72.7W, H = 32 Km, M = 4.2					
		CENTRAL CHILE						
		CCH	P	00 05 13.0				
		SCS	P	00 05 13.1	D			21.6
		LPB	P	00 05 19				
		PNS	eP	00 05 20.8		0.8	4	
			pP	31.4				
JUL	29	PNS	P	00 53 54.2		1.7	18	25.2
			eS	58 16				
		LPB	eP	00 54 01				
		SCS	P	00 54 11.7	C			
JUL	29	LPB	eP	02 12 27		0.8	3	
		PNS	P	02 12 31.6				
JUL	29	USCGS	02 01 12.0, 35.0N, 142.0E, H = 33 Km, M = 4.6					
		OFF EAST COAST HONSHU, JAPAN						
		PNS	ePKP	02 20 51.2				
			L	03 11.4				147.6
		LPB	ePKP	02 20 53				
			eL	03 11				
JUL	29	USCGS	02 21 09.5, 64.0N, 20.6W, H = 33 Km, M = 4.7					
		ICELAND						
		PNS	eL	03 03.4				88.1
JUL	29	USCGS	02 57 18.1, 42.7N, 146.7E, H = 33 Km, M = 4.6					
		OFF COAST OF HOKKAIDO, JAPAN						
		PNS	ePKP	03 16 46				
			ePKP	56				
			eL	04 03.1				140.4
		LPB	ePKP	03 16 49				
			eL	04 03				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	29	PNS	iP	03 28 16.6	D			
		SCS	iP	03 28 16.8	C			
		LPB	P	03 28 18	D	0.7	25	2.2
			S	44				
JUL	29	USCGS	05 20 05.3, 6.6S, 155.2E, H = 381 Km, M = 5.0					
		SOLOMON IS						
		LPB	PKP	05 38 36.5		1.0	6	131.2
		PNS	PKP	05 38 36.5		1.0	7	
JUL	29	PNS	P	05 41 26.8		0.8	4	
		LPB	eP	05 41 27.5				
JUL	29	PNS	P	06 59 42.5		0.6	2	3.5
			S	07 00 24				
JUL	29	PNS	P	07 57 15.3	D	0.5	7	1.9
			S	38.3				
		LPB	eP	07 57 16.5				1.9
			S	40				
		SCS	eP	07 57 37.6				
JUL	29	LPB	eP	08 16 35				
		PNS	P	08 16 35.9	D	0.4	1	2.1
			S	17 01				
JUL	29	SCS	P	08 41 43.1	D			
		LPB	eP	08 41 54.4				3.5
			S	42 35.7				
		PNS	P	08 41 57.1				
JUL	29	USCGS	08 46 36.0, 40.0N, 145.5E, H = 33 Km, M = 4.2					
		OFF EAST COAST HONSHU, JAPAN						
		LPB	ePKP	09 06 10				142.1
			eL	53				
		PNS	eL	09 53.9				
JUL	29	USCGS	09 48 33.0, 1.1S, 78.5W, H = 28 Km, M = 4.0					
		ECUADOR						
		PNS	P	09 52 43.2		0.8	5	
			PP	59.9				
			eL	57.8				
		LPB	P	09 52 50		0.8	12	18.1
			eL	58				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	29	USCGS	10 24 24.6, 6.8N, 73.0W, H = 161 Km, M = 6.6					
		NORTHERN COLOMBIA						
		PNS	iP	10 29 20.5	C			
			iS	33 20				23.4
		LPB	iP	10 29 23.8	C			
			iS	33 26				
			eL	35.4				
		SCS	eP	10 29 28.7	C			
		CCH	P	10 29 35.5				
JUL	29	LPB	eP	11 02 43.5		1.0	13	
		PNS	eP	11 02 47				
			i	03 27.6				
JUL	29	LPB	eP	11 11 19.5		0.9	15	2.7
			eS	51.4				
		PNS	P	11 11 20.9	C	0.6	10	
			iS	54.4				
		CCH	P	11 11 27.5				
JUL	29	USCGS	11 30 54.0, 15.7S, 75.5W, H = 48 Km, M = 4.1					
		NEAR COAST OF PERU						
		PNS	P	11 32 33.6		0.9	5	
			S	33 54.8				7.1
		LPB	eP	11 32 42				
		SCS	P	11 32 44.9				
JUL	29	USCGS	12 56 20.0, 54.4S, 120.0W, H = 33 Km, M = 4.4					
		EASTER IS CORDILLERA						
								54.9
		LPB	P	13 05 50				
		PNS	P	13 05 50.3	C	1.3	17	
			eS	13 15				
			L	22.8				
JUL	29	LPB	eP	14 10 03				
		PNS	P	14 10 07.7	C	0.5	2	
			i	34.0				
JUL	29	LPB	eP	15 38 38.7				
		PNS	iP	15 38 39.2	D	0.5	6	
JUL	29	PNS	P	16 34 02.1				
		LPB	eP	16 34 02.5		0.5	2	
JUL	29	SCS	iP	16 34 03.7	D			
		CCH	iP	16 34 18.1	D			2.6
		LPB	iP	16 34 19.3	D	0.8	32	
			iS	50				2.8
		PNS	iP	16 34 22.5	D			
			iS	55.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	29	LPB	eP	18 30 45.5				
		PNS	eP	18 30 46				
JUL	29	LPB	eP	19 06 01.3		0.5	21	4.0
			S	48.8				
		PNS	iP	19 06 02.8	D	0.5	10	4.0
			S	50				
		SCS	eP	19 05 59.7				
JUL	29	LPB	P	20 09 47.6		0.5	8	
		PNS	iP	20 09 52.0	D	0.6	3	
JUL	29	PNS	P	21 41 11.4				2.3
			S	39				
		LPB	eP	21 41 15		0.4	8	
JUL	29	PNS	L	22 31				
		LPB	L	31.1				
JUL	29	USCGS	22 04 27.0, 17.1S, 177.1W, H = 187 Km, M = 4.2					
		FIJI IS REG						
		PNS	eP	22 18 03				
			eSKS	28 50				
			L	22 51				
		LPB	L	22 52				102.4
JUL	30	LPB	eP	00 03 45		0.6	6	
		PNS	P	00 03 49.1		0.6	3	
JUL	30	USCGS	23 59 58.7, 10.6N, 67.3W, H = 10 Km, M = 6.5					
		NEAR COAST OF VENEZUELA						
		PNS	iP	00 05 41.9	C	1.6	6	
			iP	51.0				
			S	10 10				
			L	13.7				
		LPB	P	00 05 43.7	C			27.4
			S	10 15				
			L	13.7				
		SCS	iP	00 05 47.7	C			
		CCH	iP	00 05 51.2	D			
JUL	30	LPB	eP	00 45 27.3				
		PNS	P	00 45 29.2				
JUL	30	PNS	P	00 51 45.5		0.8	4	4.9
			S	50 42				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	30	USCGS	01 31 01.7, 40.7N, 30.4E, H = 16 Km, M = 5.6					
		TURKEY						
		PNS	eP	01 45 10.4				
			pp	49 26.6				
			eL	02 21.7				107.1
		LPB	eP	01 45 12				
			ePP	49 23				
JUL	30	PNS	iP	02 23 55.0	D	0.6	12	
		LPB	eP	02 23 57		0.7	13	
		SCS	iP	02 23 57.8	D			
JUL	30	PNS	iP	03 40 47.4	D	0.6	12	
		LPB	P	03 40 49.4		0.8	6	
JUL	30	USCGS	03 37 22.7, 22.0N, 143.8E, H = 121 Km, M = 5.1					
		VOLCANO ISLANDS RNG						
		PNS	PKP	03 56 56.2		0.8	5	
			PKP2	57 00.5				
			eL	04 47.8				149.4
		LPB	PKP	03 56 56.9		1.0	38	
			PKP2	57 01				
			pPKP	31.4				
		SCS	PKP	03 56 59.0				
		CCH	PKP	03 57 05.2				
JUL	30	PNS	P	04 01 40.7		1.7	27	
JUL	30	PNS	P	04 04 34.6				
		LPB	eP	04 04 34.8				
JUL	30	LPB	P	04 50 35		0.6	4	
		PNS	P	04 05 38.6		0.5	5	
JUL	30	LPB	eP	08 11 32.5				
JUL	30	USCGS	08 19 28.3, 60.1S, 28.5W, H = 33 Km, M = 5.2					
		S SANDWICH ISLANDS REGION						
		CCH	P	08 28 25.3				
		SCS	P	08 28 28.2	D	1.0	60	51.7
		LPB	P	08 28 38				
			S	36 04				
			L	44.6				
		PNS	P	08 28 39.7		1.2	34	
			iPS	36 12				
			L	44.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	30	SCS	P	10 02 58.7	D			
		LPB	P	10 30 03.7				
		PNS	P	10 03 03.5		0.9	4	
JUL	30	USCGS	10 49 32.8, 56.2S, 146.9E, H = 33 Km, M = 5.1					
		WEST OF MACQUARIE ISLAND						
		PNS	P	11 03 25.8		1.0	6	
			SKS	14 16				
			S	15 15				
			iS	22 19				
			G	31.9				
			L	27.4				
		LPB	eP	11 03 26		1.0	6	102.0
			SKS	14 06				
			G	15 07				
			eL	27				
JUL	30	SCS	P	11 45 34.4	D			
		LPB	P	11 45 47.7		0.7	13	
		PNS	iP	11 45 51.6	G	0.9	9	1.5
			S	46 11				
JUL	30	LPB	eP	12 42 24.5				
		PNS	P	12 42 25.1		0.6	2	
JUL	30	USCGS	13 35 14.4, 5.3S, 153.6E, H = 50 Km, M = 5.2					
		NEW IRLAND REGION						
		LPB	ePKP	13 54 26				133.1
			pPKP	42.6				
			PKS	57 55.5				
			eSS	30				
			L	14 38				
		PNS	ePKP	13 54 28		1.5	27	
			i	55 25.8				
			iPKP	57 55.6				
			SS	14 23				
			G	29.9				
			L	14 38.2				
JUL	30	USCGS	17 24 43.1, 17.0S, 178.0E, H = 564 Km, M = 5.1					
		FIJI ISLANDS REGION						
		LPB	eP	17 37 40				103.5
			eL	18 12				
		PNS	eSKS	17 42 38				
			eS	56 42				
			eL	18 12.7				
JUL	30	LPB	P	18 40 12.5				
		PNS	iP	18 40 20.0	D	0.7	9	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	30	PNS	P	18 55 20.7	C	0.7	4	3.1
			S	57				
		LPB	P	18 55 21				
JUL	30	PNS	iP	18 57 13.8	D	0.5	11	2.2
			iS	41.0				
		LPB	P	18 57 14.5	D	0.6	11	2.3
			S	42.2				
JUL	30	LPB	eP	19 13 20.2				
		PNS	eP	19 13 23				
JUL	30	USCGS	20 23 18.1, 15.9N, 121.2E, H = 17 Km, M = 4.7					
		LUZON, PHILIPPINE ISLANDS						
		LPB	ePKP	20 43 24				171.0
			ePKP	20 43 24.7				
JUL	30	LPB	eP	20 52 43		0.6	8	3.3
			(S)	53 22				
		PNS	P	20 52 46.2		0.9	8	
JUL	30	LPB	eP	21 31 12.2				
		PNS	eP	21 31 15.3				
JUL	30	USCGS	21 26 27.0, 31.2N, 141.2E, H = 33 Km, M = 4.2					
		SOUTH OF HONSHU, JAPAN						
		LPB	ePKP	21 46 11.5				149.4
			eL	22 37				
		PNS	PKP	21 46 15.1		0.7	2	
			eL	22 37.3				
JUL	30	USCGS	21 58 43.0, 11.3S, 75.0W, H = 33 Km, M = 4.5					
		PERU						
		PNS	eP	22 00 45.2		0.7	4	
			iPPP	01 01.4		0.5	7	8.5
		LPB	P	22 00 46.7				
		CCH	P	22 00 54.0				
JUL	30	USCGS	22 21 42.6, 56.3S, 26.9W, H = 118 Km, M = 5.3					
		S SANDWICH ISLANDS REGION						
		CCH	eP	22 30 11.5				
		LPB	P	22 30 30		1.4	148	50.4
			pP	57				
			PS	38 20				
			eL	45				
		PNS	iP	22 30 33.9	C	1.5	136	
			ipP	59.3				
			S	37 42				
			iPS	38 25				
			eL	45.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	30	LPB	eP	22 35 30				11.6
			S	37 39				
		PNS	P	22 35 33.3		1.0	11	11.6
			S	37 42				
JUL	31	PNS	P	00 07 35.2		0.8	4	
		LPB	eP	00 07 37.5				
JUL	31	USCGS	01 37 17.0, 36.0N, 140.3E, H = 71 Km, M = 4.3					
		NEAR E COAST HONSHU, JAPAN						
		LPB	PKP	01 56 50.5				148.1
			eL	02 47				
		PNS	ePKP	01 56 55				
			L	02 47.5				
		CCH	PKP	01 57 02.5				
JUL	31	LPB	eP	02 24 30				
JUL	31	LPB	eP	02 37 15		1.0	6	
JUL	31	PNS	eP	03 56 27.4				3.1
			S	57 03.6				
		LPB	eP	03 56 28				
JUL	31	LPB	P	03 59 43.8		0.6	4	
		PNS	P	03 59 44.3		0.5	3	
JUL	31	USCGS	05 50 48.0, 3.2N, 80.0W, H = 33 Km, M = 4.4					
		OFF COAST CENTRAL AMERICA						
		PNS	eP	05 56 09		1.2	16	
			eL	06 03.4				
		LPB	eP	05 56 09.5				24.6
			eL	06 03.5				
JUL	31	USCGS	06 47 15.5, 12.8S, 165.6E, H = 33 Km, M = 5.0					
		SANTA CRUZ ISLANDS						
		PNS	ePKP	07 06 02.6				
		LPB	ePKP	07 06 03				119.7
			eL	44				
JUL	31	PNS	iP	07 19 07.3	D	0.5	6	2.0
			iS	31				
		LPB	eP	07 19 13.2				
JUL	31	LPB	P	08 06 06.5		0.9	10	
		PNS	P	08 06 09.5		0.9	9	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	31	PNS	eP	08 34 48.8				
		LPB	P	08 34 58				
								3.3
JUL	31	PNS	eP	08 51 13.3				
			iS	52				
JUL	31	LPB	eP	11 17 40				
		PNS	P	11 17 44.6	D	0.6	2	
JUL	31	PNS	P	11 58 08.7				
		LPB	eP	11 58 11.4				
JUL	31	LPB	eP	12 03 43.4				
		PNS	eP	12 03 47				
JUL	31	PNS	P	12 07 09.8	C	0.5	5	
JUL	31	CCH	iP	13 57 33.7	C			2.3
		LPB	P	13 58 04	C	0.7	238	
			S	32				2.7
		PNS	iP	13 58 11.8	C			
			iS	44.0				
JUL	31	LPB	eP	15 19 50				
		PNS	P	15 19 54.9				
JUL	31	PNS	P	18 22 14.8		0.5	3	
		LPB	eP	18 22 17.5				
JUL	31	USCGS	20 18 58.0, 57.9S, 25.2W, H = 33 Km, M = 4.6					
		S SANDWICH IS REG						
		LPB	P	20 28 07.8		1.0	14	51.9
		PNS	P	20 28 10.0		0.9	5	
JUL	31	USCGS	22 48 35.6, 60.0S, 159.1E, H = 33 Km, M = 5.2					
		MACQUARE ISLAND REGION						
		LPB	P	23 01 54.5		1.0	10	94.5
			L	33				
		PNS	eP	23 01 56.8		1.1	9	
			pP	02 05.9				
			eSS	19 32				
			eL	33.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	1	CCH	eP	00 04 53.3				
		PNS	P	00 04 56.8	C	1.0	17	
			i	05 13.6				
		LPB	P	00 04 57.7		1.0	24	
AUG	1	USCGS	01 13 42.6, 13.0S, 76.8W, H = 66 Km, M = 5.5					
		NR CST OF PERU						
		PNS	P	01 15 47.0	D	1.1	140	
			S	17 29				
			SS	48				
			L	17.9				
		LPB	P	01 15 52.5		1.0	510	9.0
			eS	17 38				
			L	17.9				
		SCS	iP	01 16 04.9	D			
		CCH	P	01 16 13.0				
AUG	1	LPB	P	02 45 45.2		0.8	6	
		PNS	P	02 45 47.0		0.8	6	
AUG	1	USCGS	03 29 25.7, 6.0N, 126.4E, H = 64 Km, M = 5.1					
		MOLUCCA PASSAGE						
		LPB	ePKP	03 49 21		1.0	8	162.0
		PNS	ePKP	03 49 22.3				
			epPKP	32.8				
			G	04 36.3				
			eL	04 46.5				
AUG	1	PNS	iP	05 36 34.8	D	0.6	15	2.0
			S	59				
		LPB	P	05 36 36		0.6	7	2.2
			S	37 02				
AUG	1	PNS	iP	06 09 49.4	C	0.6	10	5.0
			iS	10 47.6				
		LPB	P	06 09 53.5		0.8	6	5.0
			S	10 51.5				
		CCH	P	06 10 19.8				
AUG	1	LPB	P	06 26 03		1.0	8	
		PNS	iP	06 26 07.0	C	0.5	3	
AUG	1	LPB	eP	07 07 27		0.7	4	
		PNS	P	07 07 29.9		0.8	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	1	USCGS	09 05 49.3, 60.0S, 159.2E, H = 33 Km, M = 5.5					
		S OF NEW ZEALAND						
		LPB	eP	09 19 07		1.2	34	94.6
			pP	14.5				
			eSS	36 46				
			eL	50				
		PNS	P	09 19 09.3		1.5	23	
			L	50.6				
AUG	1	LPB	eP	09 33 06.5				
		PNS	P	09 33 08.4		0.5	2	5.1
			S	34 07				
AUG	1	PNS	iP	10 09 56.9	D	0.5	5	1.9
			S	10 20				
AUG	1	SCS	iP	10 59 16.1	D			
		LPB	P	10 59 21.1		0.5	11	4.0
			eS	11 00 07.7				
		PNS	iP	10 59 21.6	D	0.6	26	3.5
			S	11 00 03				
		CCH	iP	10 59 32.9	D			
AUG	1	PNS	P	11 08 15.3	C	0.4	2	
AUG	1	LPB	eP	12 16 05.5				
		PNS	iP	12 16 06.1	C	1.0	10	
			i	12.8				
AUG	1	PNS	P	13 01 37.0		0.4	2	
AUG	1	LPB	eP	13 21 43.4				
		PNS	P	13 21 46.3	D	0.5	2	
AUG	1	LPB	P	13 22 39.2		0.4	13	
		PNS	iP	13 22 40.0	D	0.6	4	2.3
			S	23 07.6				
AUG	1	CCH	P	15 51 12.9				
		LPB	P	15 51 17.5		0.7	7	
		PNS	P	15 51 20.5	C	0.8	5	
AUG	1	PNS	P	15 58 57				
		LPB	eP	15 58 58.5				
AUG	1	PNS	P	16 35 35.7	C	1.0	11	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	1	PNS	P	16 51 53.0		1.2	16	
AUG	1	USCGS	16 49 57.6, 8.5S, 75.0W, H = 118 Km, M = 4.4					
		PERU						
		PNS	P	16 52 20.4		0.8	6	
		LPB	P	16 52 25		0.9	15	10.3
		CCH	eP	16 52 20.5		0.8	15	10.3
AUG	1	LPB	eP	18 26 35.2		0.6	8	
		PNS	eP	18 26 40.3				
AUG	1	PNS	iP	19 34 03.7	C			2.3
			iS	31.4				
		LPB	P	19 34 06	C	0.8	40	2.5
			S	36.2				
AUG	1	LPB	eP	20 12 56.6				
		PNS	eP	20 12 58				
AUG	1	LPB	eP	21 05 02				
		PNS	P	21 05 02.0	D	0.5	5	
AUG	1	USCGS	22 44 22.6, 23.6S, 68.1W, H = 130 Km, M = 4.4					
		N CHILE						
		CCH	P	22 45 55.5				
		LPB	P	22 46 04.2	C	1.0	164	7.1
		PNS	iP	22 46 08.0	C	1.0	122	
			S	47 24				
AUG	1	LPB	eP	23 57 26.6				
			i	32.5				
		PNS	P	23 57 26.6		1.3	14	
			i	32.6				
AUG	2	USCGS	00 44 41.4, 44.6N, 146.4E, H = 149 Km, M = 5.0					
		KURILE IS						
		LPB	ePKP	01 03 48.5				139.5
			eL	50				
		PNS	PKP	01 03 53.6				
AUG	2	PNS	P	01 07 16.3	C	1.4	32	
		LPB	eP	01 07 17.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	2	PNS	P	01 07 16.3	C	1.4	32	
		LPB	eP	01 07 17.4				
AUG	2	CCH	P	03 10 59.6				
		LPB	P	03 11 11.3	D	0.8	48	5.6
			eS	12 15				
		PNS	iP	03 11 15.2	D			5.8
			S	12 21				
AUG	2	PNS	iP	03 38 21.7	C	0.8	20	
		LPB	P	03 38 25.7				
AUG	2	PNS	P	04 05 40.2	C	0.5	10	1.8
			S	06 02.5				
		LPB	P	04 05 42.5				
AUG	2	PNS	P	06 04 28.2				2.8
			S	05 01				
		LPB	eP	06 04 30				
AUG	2	USCGS	07 03 20.0, 33.2S, 112.1W, H = 33 Km, M = 4.1					
		EASTER IS CORDILLERA						
		PNS	P	07 11 16.1		1.3	15	
			eL	24.1				42.3
		LPB	P	07 11 16.5				
			eL	24				
AUG	2	LPB	P	07 44 22.5	C	1.0	10	3.5
			S	45 03.8				
		PNS	iP	07 44 26.6	C	0.8	11	4.0
			S	45 14				
		CCH	eP	07 44 44.8				
AUG	2	USCGS	09 37 29.5, 20.8S, 179.1W, H = 592 Km, M = 4.7					
		FIJI IS REG						
		PNS	eP	09 50 22.2				102.6
AUG	2	PNS	eP	10 19 27.7				
		LPB	eP	10 19 28.2				
AUG	2	LPB	eP	11 12 06.7				
		PNS	eP	11 12 11.6				
AUG	2	USCGS	11 06 38.7, 71.2N, 8.0W, H = 33 Km, M = 5.0					
		JAN MAYEN IS REG						
		LPB	eP	11 20 04.5				96.2
			eL	52				
		PNS	SS	11 38 08				
			eG	46.4				
			eL	52.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	2	PNS	P	11 27 25.8	D	0.4	1	
		LPB	P	11 27 28.7		0.5	6	
AUG	2	LPB	eP	13 33 07.6		0.8	6	
		PNS	P	13 33 09.6		1.0	12	
			i	17.4				
AUG	2	USCGS	14 06 17.8, 71.2N, 8.5W, H = 33 Km, M = 5.3					
		JAN MAYEN IS REG						
		LPB	eP	14 19 40				96.0
			eL	51				
		PNS	eP	14 19 41.7				
			epP	53				
AUG	2	LPB	eP	16 01 43				
		PNS	eP	16 01 46.6				
AUG	2	LPB	P	16 34 44.2		0.6	10	
		PNS	P	16 34 45.9	C	0.6	5	
AUG	2	LPB	eP	16 38 41.3		0.5	7	
		PNS	P	16 38 45.1		0.8	6	3.1
			S	39 21.6				
AUG	2	LPB	P	17 14 14		0.9	12	5.3
			S	15 14.6				
		PNS	iP	17 14 18.9	C	0.7	8	5.1
			S	15 18				
AUG	2	USCGS	18 17 32.0, 4.6S, 103.2E, H = 83 Km, M = 5.1					
		S SUMATRA						
		PNS	PKP	18 37 22.3		1.5	23	
			L	19 32.2				
		LPB	PKP	18 37 22.4		1.0	14	156.9
			eL	19 32				
AUG	2	LPB	eP	19 36 02.7				
		PNS	P	19 36 06.6				1.8
			S	28.8				
AUG	2	CCH	P	19 57 24.7	D			
		LPB	P	19 57 29.8		1.0	24	
		PNS	P	19 57 32.8	D	1.0	20	4.7
			S	58 27				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	2	LPB	P	20 58 14.3		0.6	7	4.4
		PNS	iP	20 58 18.8	C	0.6	4	
			S	59 09.4				
AUG	2	LPB	P	22 25 27		0.7	8	4.0
			eS	26 12.6				3.5
		PNS	eP	22 25 33				
			S	26 14				
AUG	2	USCGS	22 41 12.2, 22.3S, 68.7W, H = 107 Km, M = 4.5					
		N CHILE						
		SCS	iP	22 42 25.9	D			
		CCH	P	22 42 33.2	C			5.5
		LPB	P	22 42 38.2	C	0.9	88	
			PP	48				
		PNS	P	22 42 41.1	C	1.2	43	
			iPq	43 00				
			eS	43 50				
			L	44.3				
AUG	3	USCGS	00 08 13.0, 20.9S, 174.3W, H = 43 Km, M = 4.4					
		TONGA IS						98.1
		LPB	eP	00 21 43				
			eL	54				
		PNS	L	00 54.9				
AUG	3	LPB	eP	01 39 13				
		PNS	eP	01 39 16				
AUG	3	USCGS	01 53 56.5, 6.8S, 129.4E, H = 162 Km, M = 5.3					
		BANDA SEA						
		SCS	PKP	02 13 25.5				
		CCH	PKP	02 13 28.5		1.0	14	150.7
		LPB	PKP	02 13 28.5				
			i	34.3				
			eL	03 05				
		PNS	PKP	02 13 28.7	C	1.0	12	
			i	34.5				
			eL	03 04.9				
AUG	3	USCGS	02 27 40.0, 19.9S, 178.6W, H = 426 Km, M = 3.9					
		FIJI IS REG						102.5
		PNS	eL	03 15.9				
AUG	3	PNS	P	03 38 44.0		0.7	4	
			e	39 18				
		LPB	eP	03 38 48		0.9	5	
			e	21				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	3	PNS	P	03 53 03.1		0.7	5	6.2
			S	54 14				
		LPB	P	03 53 09		0.8	6	
		SCS	P	03 53 11.5				
AUG	3	PNS	P	05 38 26.2				3.7
			eS	39 09				
AUG	3	USCGS	06 43 24.7, 11.8S, 165.5E, H = 57 Km, M = 4.7					
		SANTA CRUZ IS						
		LPB	ePKP	07 02 14				120.1
		PNS	ePKP	07 02 14.5				
AUG	3	LPB	P	07 33 43.1		0.8	4	2.7
			S	34 14.9				
		PNS	P	07 33 50.6		0.7	4	3.1
			S	34 27				
AUG	3	LPB	eP	07 37 42.6				
		PNS	iP	07 37 43.2	D	0.3	4	1.9
			S	38 05.8				
AUG	3	LPB	P	07 41 27.4		0.8	4	
		PNS	eP	07 41 28				
AUG	3	LPB	P	07 49 46.3		0.9	8	
		PNS	iP	07 49 48.5		0.8	5	
AUG	3	LPB	P	08 07 54.7				2.5
			S	08 04.6				
		PNS	P	08 07 40				3.1
			S	08 16				
AUG	3	USCGS	08 28 44.9, 2.8N, 74.7W, H = 40 Km, M = 4.1					
		COLOMBIA						
		PNS	eP	08 33 16.3				
			i	21.6				
			eS	37 04				
			eL	39.7				
		LPB	P	08 33 19.4		1.0	14	20.5
			e	22.1				
			eL	40				
		SCS	P	08 33 34.7	C			
		CCH	P	08 33 35.5				
AUG	3	SCS	iP	10 18 56.5	D			
		PNS	iP	10 19 00.3	D			1.8
			iS	22.8				
		LPB	P	10 19 01.8		0.8	6	1.9
			iS	24.5				
		CCH	P	10 19 17.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	3	USCGS		12 12 55.2, 36.1N, 139.9E, H = 50 Km, M = 4.3				
		HONSHU, JAPAN						148.5
		LPB	ePKP	12 32 40				
			eL	13 24				
		PNS	ePKP	12 32 42.8				
			eL	13 23.4				
AUG	3	USCGS		12 40 21.1, 13.5S, 74.8W, H = 116 Km, M = 5.2				
		PERU						
		PNS	iP	12 41 58.1	D			
			S	42 53		1.0	420	7.1
		LPB	iP	12 42 04.1				
			eS	58.6				
		SCS	iP	12 42 07.9	D			
		CCH	iP	12 42 29.9	D			
AUG	3	USCGS		14 42 08.0, 74.6N, 9.8E, H = 33 Km, M = 4.2				
		GREENLAND SEA						
		PNS	eP	14 56 02.6				
			eL	15 31.1				102.1
		LPB	eP	14 56 04				
			eL	15 32				
AUG	3	PNS	eP	15 29 16.6				
AUG	3	LPB	eP	16 31 42				
		PNS	P	16 31 47.3		0.6	3	
AUG	3	LPB	eP	16 40 54.4				
		PNS	iP	16 40 55.4		0.5	8	
AUG	3	USCGS		19 14 39.0, 27.8N, 128.0E, H = 93 Km, M = 4.7				
		RYUKYU IS						161.1
		LPB	eP	19 34 37				
		PNS	eP	19 34 40				
			eL	20 31.2				
AUG	3	USCGS		20 26 51.4, 14.0N, 144.8E, H = 134 Km, M = 4.4				
		MARIANA IS						
		PNS	PKP	20 46 20.5				
			L	21 37				148.3
		LPB	eL	21 38				
AUG	3	USCGS		21 37 26.7, 53.0N, 166.7W, H = 29 Km, M = 4.6				
		FOX IS ALEUTIAN IS						
		PNS	eL	22 29.1				108.3
		LPB	eL	22 30				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	3	USCGS		23 17 08.4, 53.8N, 170.0W, H = 194 Km, M = 4.9				
		FOX IS, ALEUTIAN IS						
		LPB	eP	23 53 35				110.1
		PNS	eL	00 09.6				
AUG	4	USCGS		00 45 30.0, 20.6S, 68.3W, H = 173 Km. M = 4.5				
		CHILE BOLIVIA BOR REG						
		CCH	iP	00 46 25.0	C			
		LPB	iP	00 46 32.3	C			4.2
			iS	47 19.1				
		PNS	iP	00 46 35.8	C			
			iS	47 25.4				
AUG	4	PNS	P	01 26 44.4		0.7	8	
			(S)	27 10				
		LPB	P	01 26 50.1		1.0	16	
AUG	4	PNS	iP	03 06 05.2	D	0.6	11	1.9
			iS	27.8				
		LPB	eP	03 06 08.1				1.7
			iS	29.2				
		CCH	eP	03 06 21.0				
AUG	4	PNS	iP	03 39 47.7		0.6	9	1.8
			iS	40 10				
		LPB	P	03 39 50.1		0.5	10	
AUG	4	USCGS		03 54 15.7, 56.1S, 27.3W, H = 151 Km, M = 4.6				
		S SANDWICH IS REG						
		LPB	P	04 02 59.5		0.7	5	49.9
			eL	18				
		PNS	iP	04 03 01.6	C	0.8	8	
			pP	28				
AUG	4	LPB	eP	04 07 01.7				
		PNS	P	04 07 09.1	C	1.2	14	
AUG	4	PNS	iP	05 32 14.2	D	0.3	6	1.8
			S	36				
		LPB	P	05 32 17.1				
AUG	4	USCGS		06 01 09.5, 7.4N, 36.3W, H = 33 Km, M = 5.0				
		CENTRAL MIS-ATLANTIC RIDGE						
		CCH	iP	06 08 32.1	C			
		LPB	iP	06 08 41.1	C	1.3	167	39.6
			PP	10 09.5				
			S	14 50.1				
			L	19.4				
		PNS	iP	06 08 42.4	C	1.0	74	
			iPP	10 10.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
			S	14 47.6				
			SS	17 35				
			L	20.4				
AUG	4	USCGS OAXACA, MEXICO	06 22 59.0, 17.9N, 95.0W, H = 119 Km, M = 3.8					43.1
		PNS	eP	06 30 46.0				3.9
AUG	4	PNS	eP	06 47 50				
			S	48 35				
		LPB	eP	06 47 52				2.5
AUG	4	PNS	P	08 20 12.7				2.5
			S	43		0.9	5	
		LPB	P	08 20 14.6				
			eS	45		0.9	15	
AUG	4	LPB	P	10 50 50		0.8	7	
		PNS	P	10 50 57.0				1.9
AUG	4	PNS	iP	11 46 13.3	D	0.8	24	
			iS	37				
		LPB	eP	11 46 16				
AUG	4	LPB	eP	13 10 39				
		PNS	iP	13 10 41.0	C	0.4	4	2.1
			S	11 06				
		CCH	eP	13 10 57.7				
AUG	4	PNS	iP	13 59 13.8	D	0.5	8	1.9
			iS	36.4				
AUG	4	USCGS ADRIATIC SEA	14 54 33.3, 42.9N, 17.7E, H = 33 Km, M = 4.4					98.1
		LPB	eL	14 41				
AUG	4	LPB	P	14 56 58.7		0.6	13	
		PNS	P	14 56 59.3		0.8	5	
AUG	4	LPB	eP	15 09 28.5		0.7	4	
		PNS	P	15 09 29.5				
AUG	4	USCGS N ATLANTIC RDG	15 13 19.0, 10.5N, 40.3W, H = 33 Km, M = 4.2					38.7
		LPB	eP	15 38 39		1.0	6	
		PNS	eP	15 38 41				
			eL	16 15.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	4	LPB	eP	15 59 29.1				
		PNS	iP	15 59 32.1	D	0.4	3	2.3
			iS	16 00 00				
AUG	4	PNS	eP	18 19 21.5				15.2
			eS	22 10				
		LPB	eP	18 19 22.3				
AUG	4	PNS	P	20 01 52.9		0.5	2	6.7
			S	03 09				
		LPB	P	20 01 57.5		0.6	8	
AUG	4	USCGS TONGA IS	22 34 47.7, 17.7S, 173.2W, H = 33 Km, M = 4.8					
		LPB	eP	22 48 24				98.9
			L	23 21				
		PNS	eSKS	22 59 04				
			L	23 21.1				
AUG	5	USCGS KURILE IS	01 44 43.2, 43.3N, 147.5E, H = 33 Km, M = 4.4					
		PNS	ePKP	02 04 11				
			eL	50.5				
		LPB	ePKP	02 40 11.5				139.!
			eL	50				
AUG	5	LPB	eP	02 10 56				
		PNS	P	02 11 03.6				2.:
			eS	32				
AUG	5	LPB	P	05 20 04		0.9	15	
		PNS	P	05 20 07.1		0.7	3	4.:
			S	56				
AUG	5	PNS	eP	05 24 14				
AUG	5	PNS	P	05 43 53.8				
AUG	5	USCGS KURILE IS	05 29 21.8, 43.3N, 147.6E, H = 33 Km, M = 4.8					
		LPB	eL	06 35				139.!
		PNS	ePKP	05 48 36				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	5	PNS	eP	08 28 46		0.8	3	
			e(S)	31 56				
		LPB	eP	08 28 51.2				
AUG	5	LPB	P	08 40 45.7				3.3
			S	41 25				
		PNS	iP	08 40 49.8	C	1.0	20	3.4
			iS	41 30.0				
AUG	5	LPB	iP	09 26 24.8	C	0.7	21	
		PNS	iP	09 26 28.5	C	0.6	11	
AUG	5	USCGS	11 20 31.0, 5.7S, 152.1E, H = 27 Km, M = 4.6					
		NEW BRITAIN REG						
		PNS	ePKP	11 31 56				
			eL	12 24.2				134.1
		LPB	ePKP	11 39 37				
AUG	5	PNS	eP	14 43 04				
		LPB	eP	14 43 12.5				
AUG	5	USCGS	14 46 32.9, 8.2S, 75.1W, H = 132 Km, M = 4.3					
		PERU						
		PNS	P	14 48 58.7		0.9	6	
			iPP	49 10.0				
			S	51 08				10.8
		LPB	P	14 49 02				
			PP	16.5				
		CCH	eP	14 49 21.4				
AUG	5	PNS	P	15 21 11.3		0.8	6	3.7
			S	54.5				
		LPB	eP	15 21 13.5				
AUG	5	PNS	P	16 37 06.8		0.6	4	2.9
			eS	41				
		LPB	eP	16 37 14.7				
AUG	5	USCGS	16 59 12.0, 16.2N, 96.5W, H = 63 Km, M = 4.0					
		OAXACA, MEXICO						
		PNS	eP	17 07 08.8				
			eL	19.8				42.7
		LPB	eL	17 20				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	5	LPB	P	17 27 04.1				
		PNS	P	17 27 06.0		0.7	3	
			e(S)	28 36				
AUG	5	LPB	P	18 37 55.6		1.0	14	3.5
			S	38 36.5				
		PNS	P	18 37 56.3		0.5	6	3.8
			S	38 40.8				
AUG	5	USCGS	18 28 58.0, 52.1N, 178.4E, H = 163 Km, M = 4.5					
		RAT IS, ALEUTIAN IS						
		LPB	eL	19 24				117.4
AUG	5	LPB	eP	21 16 42.7				
		PNS	eP	21 16 45.3				4.4
			S	17 36				
AUG	5	USCGS	21 46 50.9, 6.9N, 73.1N, H = 151 Km, M = 4.0					
		N COLOMBIA						
		PNS	iP	21 51 47.6	C	0.8	10	
			iPP	52 20.4				
			eL	58.2				
		LPB	P	21 51 51.4		0.9	7	23.4
			PP	52 24.5				
			eL	59				
AUG	6	USCGS	01 08 16.6, 42.5N, 142.9E, H = 64 Km, M = 4.2					
		HOKKAIDO, JAPAN REG						
		LPB	ePKP	01 27 45				142.6
			eL	02 15				
		PNS	eL	02 15.8				
AUG	6	LPB	eP	02 11 52		0.5	4	
		PNS	iP	02 11 55.4	C	0.4	3	
AUG	6	LPB	P	04 04 12.1				
AUG	6	USCGS	04 46 29.0, 20.7S, 178.4W, H = 536 Km, M = 4.0					
		FIJI IS REG						
		PNS	eP	05 59 23.0				102.1
AUG	6	PNS	iP	05 01 36.5	D			1.8
			iS	58.9				
		LPB	iP	05 01 37.4	D	0.9	42	1.9
			iS	02 00.5				
		CCH	P	05 01 55.1	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	6	PNS	iP	06 34 40.4	C	0.4	15	1.9
			iS	35 04				
		LPB	P	06 34 43.1	C	0.7	11	2.0
			eS	35 07.5				
AUG	6	LPB	P	07 51 38.1		0.9	10	
		PNS	P	07 51 40		0.6	4	
AUG	6	USCGS	08 07 20.7, 17.0S, 69.5W, H = 192 Km, M = 4.0					
		PERU-BOLIVIA BOR REG						
		CCH	iP	08 08 13.3	C			
		PNS	iP	08 07 52.0	D			
			iS	08 16				
		LPB	iP	08 07 54.0	D	0.9	374	1.3
			iS	08 17.9				
AUG	6	USCGS	10 31 06.0, 38.0N, 74.5E, H = 215 Km, M = 4.8					
		TADZHIK SINKIANG BOR REG						
		PNS	eL	11 37.8				140.6
AUG	6	LPB	eP	11 35 51.5				
		PNS	P	11 35 51.8				
AUG	6	LPB	eP	11 49 13				
		PNS	eP	11 49 15				
AUG	6	USCGS	11 40 12.5, 11.8S, 165.6E, H = 51 Km, M = 4.5					
		SANTA CRUZ IS						
		PNS	ePKP	11 59 01.5				
			eL	12 37.3				
		LPB	ePKP	11 59 02				119.9
AUG	6	CCH	P	12 01 50.7	D			
AUG	6	LPB	P	12 14 30.5				
		PNS	P	12 14 31.0		1.7	20	
AUG	6	USCGS	12 13 19.0, 25.2S, 71,1W, H = 27 Km, M = 4.5					
		OFF CST N CHILE						
		PNS	P	12 15 33.4		0.6	3	
			iPP	47.0				
			S	17 14				
		LPB	eP	12 15 33.8				9.0
AUG	6	USCGS	13 14 09.0, 21.4S, 179.5W, H = 561 Km, M = 4.2					
		FIJI IS REG						
		LPB	eL	14 01				102.6

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	6	LPB	eP	13 35 22.2				
		PNS	P	13 35 24.9		0.6	7	6.0
			S	36 34				
AUG	6	PNS	P	15 42 17.0		1.0	7	
			i	24.5				
		LPB	P	15 42 17.1		0.5	11	
AUG	6	LPB	ePKP	16 35 18				
		PNS	P	16 35 18.8		0.4	2	
AUG	6	USCGS	17 10 24.2, 8.8S, 112.5E, H = 33 Km, M = 5.2					
		JAVA						
		PNS	ePKP	17 30 16				
			eSS	54 00				
		LPB	ePKP	17 30 18				154.8
AUG	6	LPB	eP	19 13 24				
		PNS	eP	19 13 25.2				
AUG	6	CCH	P	19 33 05.5				
		LPB	P	19 33 07.3		0.8	17	
		PNS	P	19 33 08.1		0.6	2	3.2
			i	10.8				
			S	45				
AUG	6	LPB	eP	19 56 44		0.5	8	
		PNS	iP	19 56 45.0	D	0.5	4	4.4
			S	57 36				
AUG	6	PNS	P	20 48 09		1.0	6	47.0
			i	41.5				
			i	58.0				
			eS	54 56				
		LPB	eP	20 48 10.5		0.6	49	
			i	46				
AUG	6	USCGS	22 46 08.1, 52.7N, 168.4W, H = 44 Km, M = 4.3					
		FOX IS, ALEUTIAN IS						
		PNS	eSKS	23 11 15				
			eL	24 38				
		LPB	eL	24 38				109.1
AUG	6	USCGS	23 06 32.8, 0.0N, 124.4E, H = 144 Km, M = 5.0					
		MOLUCCA SEA						
		LPB	ePKP	23 26 14				158.9
			eL	24 21				
		PNS	eSS	23 50 48				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	7	USCGS AFGHANISTAN USSR BOR REG		05 49 57.5, 36.5N, 71.2E, H = 229 Km, M = 5.0				
		PNS	ePKP	06 08 09.1				138.7
		LPB	ePKP	06 08 12				
AUG	7	PNS	eP	06 26 03.8				
AUG	7	USCGS NEW GUINEA		06 31 33.0, 3.0S, 138.5E, H = 64 Km,				
		PNS	PKP	06 51 13.4	D	0.8	6	
			eL	07 41.4		1.0	8	147.1
		LPB	PKP	06 51 15.5				
			eL	07 40				
AUG	7	LPB	P	08 46 22.1				5.2
		PNS	P	08 46 27.7				
			S	47 28				
AUG	7	PNS	P	09 06 08.6		0.6	3	2.1
			S	34				
		LPB	P	09 06 16		1.2	19	
AUG	7	USCGS S ALASKA		09 31 48.0, 59.0N, 154.6W, H = 52 Km, M = 4.0				
		PNS	eSKS	09 56 23				
			eL	10 20.6				102.2
		LPB	eL	10 21				
AUG	7	PNS	P	09 59 33.1		1.2	10	
		LPB	P	09 59 37		1.0	8	
AUG	7	USCGS ALASKA PENINSULA		11 14 42.7, 58.7N, 154.6W, H = 37 Km, M = 5.1				
		PNS	eP	11 28 31.4				
			eL	49.4				102.2
		LPB	eP	11 28 33				
			eL	50				
AUG	7	PNS	P	12 09 06.0		0.6	3	
		LPB	eP	12 09 07.3				
AUG	7	LPB	eP	12 27 57				
		PNS	P	12 27 58.3		0.7	3	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	7	LPB	P	12 34 57	C	0.7	59	
		PNS	iP	12 35 01.2	C	0.8	17	7.8
			S	36 29.5				
AUG	7	LPB	iP	12 47 15	D	0.9	17	
		PNS	iP	12 47 16.5	D	0.8	16	2.2
			S	43				
AUG	7	PNS	P	14 40 00.6				
		LPB	P	14 40 04.8		0.5	6	
AUG	7	PNS	P	15 20 03.6	D			2.0
			S	27.8				
		LPB	P	15 20 06.0	D	0.9	63	2.0
			eS	30				
AUG	7	LPB	eP	15 40 37.5				
		PNS	eP	15 40 41.6				4.7
			S	41 35.6				
AUG	7	LPB	eP	16 35 40.2		0.7	8	
		PNS	P	16 35 14.0		0.6	3	
AUG	7	PNS	P	17 06 16.4		0.9	5	
		LPB	eP	17 06 16.5		1.0	10	
AUG	7	USCGS KERMADEC IS REG		17 07 20.1, 29.4S, 177.4W, H = 147 Km, M = 4.8				
		PNS	SKS	17 31 28				
			eG	47 23				
			L	53.5				
		LPB	eL	17 53				97.3
AUG	7	LPB	eP	18 21 05.6				
		PNS	eP	18 21 09.9				
AUG	7	LPB	P	19 00 38.8		0.9	10	4.7
			S	01 32.5				
		PNS	iP	19 00 40.9	C	0.5	2	4.9
			S	01 36.8				
AUG	7	USCGS ANDREANOF IS, ALEUTIAN IS		19 23 24.0, 51.8N, 173.9W, H = 33 Km, M = 4.1				
		PNS	eL	20 15.8				
		LPB	eL	20 16				110.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	7	LPB	eP	21 19 23.3	C	0.6	7	7.7
		PNS	P	21 19 23.6				
			S	20 50.8				
AUG	7	PNS	eP	23 26 44.7				
AUG	8	PNS	eP	00 36 38.4				
			e(S)	42 38				
AUG	8	PNS	eP	02 08 28.4				
		LPB	eP	02 08 32				
AUG	8	PNS	iP	04 13 06.8	D	0.7	8	2.0
			S	30.8				1.9
		LPB	eP	04 13 07.3				
			S	13 30.7				
AUG	8	USCGS	07 13 50.8, 17.5S, 179.0W, H = 523 Km, M = 4.4					
		FIJI IS REG						
		PNS	eP	07 26 50.7				
			eG	55.5				
			eL	08 01.9				103.4
		LPB	eP	07 26 53.5				
			eL	08 02				
AUG	8	PNS	P	08 10 32.6		0.8	5	
		LPB	P	08 10 37		1.1	10	
AUG	8	USCGS	09 48 04.3, 6.2S, 105.7E, H = 70 Km, M = 4.8					
		SUNDA STRAIT						
		PNS	ePKP	10 07 56				
			eL	11 02.3				156.7
		LPB	ePKP	10 08 00				
			eL	11 02				
AUG	8	USCGS	11 00 00.0 32.4S, 112.5W, H = 33 Km, M = 4.5					
		ESTER IS CORDILLERA						
		PNS	P	11 07 57.4		1.2	12	
			S	14 20				
			eG	17.5				
			eL	20.6				42.7
		LPB	eP	11 07 59				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	8	USCGS	11 42 44.2, 33.6N, 141.2E, H = 33 Km, M = 3.9					
		OFF E CST OF HONSHU, JAPAN						
		LPB	ePKP	12 02 26				
			eL	55				148.5
		PNS	ePKP	12 02 27				
			eL	54.3				
AUG	8	LPB	eP	13 21 05.3				
		PNS	eP	13 21 06.6				
AUG	8	USCGS	14 36 04.0, 8.7N, 102.8W, H = 34 Km, M = 4.6					
		OFF CST OF MEXICO						
		PNS	P	14 43 55.1		1.5	17	
			S	50 12				
			eSS	52 14				
			L	56.5				
		LPB	P	14 43 58.5		0.9	14	42.3
			L	57.7				
AUG	8	PNS	P	15 16 31.3				
		LPB	eP	15 16 31.5				
AUG	8	USCGS	16 05 59.1, 37.2N, 141.1E, H = 54 Km, M = 3.9					
		NR E CST OF HONSHU, JAPAN						
		PNS	ePKP	16 25 36.5		1.2	9	
			ipPKP	52.4				
			eL	17 15.8				
		LPB	e KP	16 25 37.7				146.9
			pPKP	53.3				
AUG	8	PNS	P	16 36 22.6		0.8	4	
AUG	8	CHA	eP	16 42 13.7				
		PNS	eP	16 42 20.2				
		LPB	eP	16 42 21				
AUG	8	LPB	iP	18 14 23.3	C	1.0	385	4.4
			S	15 14				
		CHA	iP	18 14 25.3				
		PNS	iP	18 14 27.1	C			4.7
			S	15 20.8				
AUG	8	CHA	eP	20 10 05.6				
		LPB	eP	20 10 09				
		PNS	iP	20 10 13.1	D	0.6	11	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	8	USCGS VOLCANO IS REG	20 29 08.0, 24.7N, 143.2E, H = 98 Km, M = 4.5					
		LPB	ePKP	20 48 43.3				149.1
			eL	21 39				
		PNS	PKP	20 48 43.4		0.8	4	
AUG	8	LPB	iP	22 22 34.4	C	1.0	78	2.9
			iS	23 08.4				
		PNS	iP	22 22 35.8	C	0.8	26	2.8
			iS	23 08.8				
		CHA	P	22 22 36.2				
AUG	8	PNS	P	22 50 10.5		0.5	4	2.8
			S	43.4				
		LPB	P	22 50 13		0.8	18	
		CHA	e(P)	22 50 16.4				
AUG	8	LPB	P	23 10 09.3		0.8	6	
		PNS	iP	23 10 13.2	C	0.5	5	
AUG	9	PNS	iP	03 33 32.2	D			
		CHA	iP	03 33 33.8	D			
		LPB	P	03 33 33.7	D	0.8	37	
AUG	9	PNS	eP	03 40 09				
		LPB	eP	03 40 14.8				
AUG	9	USCGS PERU-BRAZIL BOR REG	07 14 08.1, 8.5S, 73.8W, H = 46 Km, M = 5.0					
		PNS	P	07 16 23.3		1.6	81	
			L	18.8				
		CHA	eP	07 16 27.9				
		LPB	P	07 16 29.5		0.2	59	9.8
			eS	18 50				
			eL	19				
AUG	9	USCGS BANDA SEA	08 20 03.7, 6.4S, 130.4E, H = 89 Km, M = 5.7					
		PNS	ePKP	08 39 43.8		1.5	11	
			i	49.5				
			eSS	09 02 40				
			eG	22.5				
			eL	31.2				
		LPB	ePKP	08 39 44		0.8	6	150.5
			i	49.5				
			pPKP	40 08.7				
		CHA	PKP	08 39 44.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	9	USCGS KERMADEC IS	10 22 24.0, 31.2S, 180.0W, H = 333 Km, M = 5.2					
		PNS	eP	10 35 25.8				
			eL	11 09				
		LPB	eP	10 35 26				99.0
AUG	9	LPB	eP	10 55 49.5				
		PNS	P	10 55 53.9		1.0	6	
AUG	9	LPB	eP	12 50 57.4				
		PNS	eP	12 50 59.4				
AUG	9	PNS	iP	13 17 15.3	D	0.6	6	2.1
			eS	40				
		LPB	eP	13 17 17				
AUG	9	USCGS COLORADO	13 25 06.2, 39.9N, 104.7W, H = 5 Km, M = 5.3					
		LPB	eP	13 35 49.5				65.7
		PNS	eP	13 35 52				
AUG	9	USCGS VOLCANO IS REG	15 21 21.0, 24.3N, 141.0E, H = 100 Km, M = 4.4					
		PNS	ePKP	15 41 02				
			i	06.6				
		LPB	ePKP	15 41 05.5				151.6
			eL	16 33				
AUG	9	USCGS NR CST OF GUERRERO, MEXICO	15 48 41.5, 16.2N, 98.7W, H = 66 Km, M = 4.1					
		PNS	eP	15 56 47.5				
			i	51.5				
		LPB	eP	15 56 48				44.1
AUG	9	USCGS NR CST OF GUERRERO, MEXICO	16 09 13.4, 16.5N, 98.5W, H = 94 Km, M = 4.2					
		PNS	P	16 17 15.8				
			eS	23 47				
			L	30.7				
		LPB	eP	16 17 18				44.3
			eL	30				
AUG	9	LPB	eP	16 27 56.3				
		PNS	eP	16 27 58.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	9	USCGS	19 30 17.0, 16.5N, 98.7W, H = 33 Km, M = 3.8					
		NR CST OF GUERRERO, MEXICO						
		PNS	eP	19 38 22.7				
			eL	51.5				44.1
		LPB	eP	19 51				
AUG	9	LPB	P	20 59 10.8		1.7	60	
		PNS	P	20 59 14.0		1.8	9	
AUG	9	USCGS	20 47 40.0, 52.0S, 15.7E, H = 33 Km, M = 5.0					
		S W OF AFRICA						
		LPB	eL	22 05				163.2
		PNS	eL	22 05.3				
AUG	9	USCGS	22 49 12.0, 52.0S, 28.4E, H = 33 Km, M = 4.8					
		S OF AFRICA						
		PNS	eP	23 01 33.9				
			e(pP)	41.0				81.0
		LPB	eP	23 01 35				
			eL	28				
AUG	9	LPB	eP	23 18 48.2				
		PNS	P	23 18 51.6		0.8	14	
AUG	9	PNS	iP	23 21 07.2		0.6	4	1.8
			S	29.5				
		LPB	eP	23 21 10.6				
AUG	10	LPB	P	00 31 48.5		0.6	7	8.0
			S	33 19				7.3
		PNS	iP	00 31 52.4	D	0.6	6	
			S	33 19.6				
AUG	10	LPB	P	01 45 47.5		0.9	7	
		PNS	P	01 45 49.3		0.9	11	
AUG	10	PNS	eP	02 29 46				
		LPB	P	02 29 52.7				
		SCS	eP	02 29 52.7				
AUG	10	LPB	P	03 07 23.7		0.6	6	
		PNS	P	03 07 27.5		0.5	3	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	10	USCGS	04 20 27.8, 45.0S, 79.5W, H = 33 Km, M = 5.0					
		OFF CST OF S CHILE						
		LPB	eP	04 26 34.5				29.7
			L	35.3				
		PNS	P	04 26 38.4		1.4	48	
			ipP	48				
			iPP	27 36.2				
			L	35				
		SCS	eP	04 26 38.7				
AUG	10	USCGS	06 50 03.0, 23.2S, 63.8W, H = 538 Km, M = 3.9					
		SALTA PROVINCE ARGENTINA						
		SCS	iP	06 51 53.4	C			
		LPB	P	06 51 58.3	C	0.8	16	7.6
			S	53 28.5				
		CHA	P	06 52 00.0	D			
		PNS	iP	06 52 02.7	C	0.9	29	
			S	53 36.4				
AUG	10	SCS	iP	07 07 31.2	D			
		LPB	iP	07 07 37	D	0.7	41	2.1
			iS	08 02.5				
		CHA	P	07 07 37.3				
		PNS	iP	07 07 42.8	D	0.5	10	2.5
			S	08 13				
AUG	10	LPB	eP	07 37 07.5				
		PNS	eP	07 37 13				
AUG	10	LPB	P	09 01 30.3	C	1.0	18	
		PNS	P	09 01 31.7		0.7	4	3.0
			S	02 06.6				
AUG	10	PNS	iP	09 39 53.2	D			1.8
			iS	40 15.4				
		LPB	P	09 39 55.5				2.0
			iS	40 19.8				
		SCS	P	09 39 59.0	D			
AUG	10	PNS	P	09 45 48				
AUG	10	LPB	eP	10 05 11				
AUG	10	LPB	P	10 13 57		0.5	6	
		PNS	P	10 13 57.5		0.5	2	
			L	35.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	10	USCGS	11 21 22.3, 45.4N, 150.3E, H = 37 Km, M = 5.7					
		KUPILE IS						
		PNS	PKP	11 40 33.0		1.5	18	
			ipPKP	43.5				
			iPKP	44 10				137.0
		LPB	eP	11 40 33.5				
			pPKP	44.5				
			PKS	44 12				
			eL	12 27				
AUG	10	USCGS	11 59 59.5, 16.6N, 98.5W, H = 58 Km, M = 4.8					
		NR CST OF GUERRERO, MEXICO						
		LPB	eP	12 07 59.4				44.1
		PNS	eP	12 08 02.8				
AUG	10	SCS	P	12 15 20.0	D			1.9
			S	43.0				
		PNS	P	12 15 29.5		0.4	4	2.4
			iS	59				
		LPB	eP	12 15 31				1.3
			iS	15 48				
AUG	10	PNS	P	12 21 25.5		1.0	18	
		LPB	P	12 21 28		0.9	20	
AUG	10	USCGS	13 28 29.0, 32.0S, 112.2W, H = 33 Km, M = 4.6					
		EASTER IS CORDILLERA						
		LPB	eP	13 36 24.6		1.1	17	42.3
			L	49.6				
		PNS	P	13 36 24.7	C	1.3	18	
			ScS	46 27				
			L	49.2				
AUG	10	PNS	P	16 47 23.7		0.7	6	
		LPB	P	16 47 24.2		0.5	13	
		SCS	P	16 47 32.3				
AUG	10	USCGS	19 55 05.4, 27.9S, 66.7W, H = 167 Km, M = 4.8					
		CATAMARCA PROV, ARGENTINA						
		SCS	iP	19 57 36.8	D			10.3
		LPB	P	19 57 44.4		0.8	24	
			S	59 43.7				
		CHA	P	19 57 45.3				
		PNS	eP	19 57 47.4	C	0.3	26	
			S	59 47.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	10	USCGS	19 59 02.9, 22.7S, 68.6W, H = 98 Km, M = 4.1					
		N CHILE						
		SCS	iP	20 00 31.7	C			
			S	01 13.2				
		LPB	eP	20 00 32.5		1.0	22	6.3
		CHA	eP	20 00 37.5				
		PNS	iP	20 00 38.0	C	1.0	16	
			eS	01 46.8				
AUG	10	LPB	eP	20 16 25				
		PNS	P	20 16 25.3		0.5	2	
AUG	10	LPB	eP	20 17 31.3				
		PNS	P	20 17 32.9				
AUG	10	PNS	eP	21 53 54.4				
		LPB	eP	21 53 54.5				
AUG	10	USCGS	21 45 42.5, 4.7S, 126.5E, H = 423 Km, M = 5.0					
		BANDA SEA						
		PNS	PKP	22 04 50.2				
			i	58.7				
			PKP2	05 15.0				
			eL	58.3				
		LPB	ePKP	22 04 50.5				154.3
			PKP2	05 14.5				
			eL	58				
AUG	10	PNS	eP	22 13 00				2.4
			S	28.6				
		SCS	P	22 13 12.0	C			
AUG	11	LPB	P	00 52 15.5		0.7	4	
		PNS	P	00 52 15.8	D	0.8	6	2.2
			S	41.6				
		CHA	P	00 52 16.7				
AUG	11	USCGS	03 51 09.0, 44.6N, 142.1E, H = 33 Km, M = 4.5					
		HOKKAIDO, JAPAN REG						
		PNS	ePKP	04 10 40.4				
			eL	58.7				
		LPB	eL	04 59				142.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	11	PNS	iP	04 39 54.8	C	0.4	4	1.8
			S	40 16.7				
		LPB	P	04 39 56.5		0.6	6	2.0
			S	40 20.6				
		CHA	iP	04 39 58.4	D			
		SCS	P	04 40 02.1	D			
AUG	11	LPB	P	04 59 47.5	C			2.2
			S	05 00 13.2				
		PNS	P	04 49 48.1	C	0.6	2	2.2
			S	05 00 14				
AUG	11	USCGS 06 18 37.0, 31.3S, 111.9W, H = 33 Km, M = 4.9						
		EASTER IS REG						
		PNS	P	06 26 28.9	D	1.4	35	
			ScS	36 30				
			L	39.1				
		LPB	eP	06 26 30	D	1.2	28	42.3
			eL	39				
AUG	11	LPB	P	10 03 41		0.9	7	
AUG	11	PNS	eP	10 21 04				2.6
			S	35				
		LPB	eP	10 21 11				2.5
			eS	41.5				
AUG	11	USCGS 10 43 30.0, 52.3N, 171.4W, H = 38 Km, M = 4.3						
		FOX IS ALEUTIAN IS						
		PNS	ePKP	11 02 02				
			L	36.6				
		LPB	ePKP	11 02 04				111.0
			eL	37				
AUG	11	PNS	eP	11 28 34				3.7
			S	29 17				
AUG	11	LPB	eP	11 44 29				2.4
		PNS	P	11 44 31.2				
			S	45 00				
AUG	11	USCGS 12 26 18.3, 11.8N, 85.9W, H = 21 Km, M = 4.7						
		NICARAGUA						
		PNS	P	12 32 44.7		1.2	14	
			S	38 07				
			eL	42.6				33.1
		LPB	eP	12 32 54				
			eL	12 43				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	11	SCS	eP	15 10 36.6				
		PNS	P	15 10 37.2		0.5	6	4.1
			S	11 25				
		LPB	eP	15 10 37.4				4.2
			S	11 26				
		CHA	eP	15 10 39.4				
AUG	11	SCS	P	15 22 51.1				
		PNS	P	15 22 57.4		0.5	3	3.0
			S	23 33				
		LPB	P	15 22 58		9.0	12	3.0
			S	23 33.5				
AUG	11	PNS	P	16 37 33.8		0.6	4	
		SCS	P	16 37 41.5				
AUG	11	LPB	eP	17 10 11.5				3.4
			S	50.5				
		PNS	iP	17 10 13.6	C	0.5	7	2.4
			iS	43				
		CHA	P	17 10 16.2	C			
		SCS	eP	17 10 26.3				
AUG	11	PNS	iP	17 19 43.1	D	0.5	8	
		LPB	eP	17 19 38.5				
		CHA	P	17 19 47.1	C			
AUG	11	USCGS 18 54 28.8, 22.1N, 144.0E, H = 125 Km, M = 5.3						
		VOLCANO IS REG						
		PNS	PKP	19 14 00.4		1.0	32	
			i	04.9				
			eL	20 05				
		CHA	PKP	19 14 04.4				
		LPB	PKP	19 14 05.6	D	1.1	104	148.9
			PKP2	13.5				
		SCS	iPKP	19 14 07.6	D			
AUG	11	PNS	P	20 37 38.1		0.9	8	
			i	48.0				
		LPB	eP	20 37 43.5		0.9	12	
AUG	12	USCGS 01 32 58.0, 1.4N, 82.7W, H = 33 Km, M = 4.1						
		OFF CST OF ECUADOR						
		PNS	eP	01 37 55.6	C	0.9	12	
			eL	44.2				
		LPB	eP	01 38 00				22.5
			eL	44.5				
AUG	12	PNS	eP	01 54 46.7		0.7	4	
		LPB	eP	01 54 48.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	12	USCGS	04 30 38.5, 38.5N, 141.9E, H = 53 Km, M = 5.4					
		NR E CST OF HONSHU, JAPAN						
		PNS	iPKP	04 50 12.2	D	1.5	106	
			PKP2	20.9				
			eL	05 40.2				
		LPB	iPKP	04 50 13.6	D	1.0	185	146.5
			PKP2	20				
			pPKP	27				
AUG	12	PNS	iP	06 19 02.5	C	0.5	6	2.5
			iS	43.5				
		CHA	eP	06 19 05.2				4.0
		LPB	eP	06 19 07.5				
			S	52				
AUG	12	USCGS	07 13 27.0, 2.8S, 136.9E, H = 47 Km,					
		NEW GUINEA REG						
		PNS	PKP	07 33 11.7		0.9	9	
			pPKP	25.6				
			eL	08 23.9				148.5
		LPB	ePKP	07 33 12				
AUG	12	PNS	eP	07 59 07.6				
AUG	12	PNS	eP	09 30 00.5				
		LPB	eP	09 30 58				
AUG	12	USCGS	9 39 44.3, 24.7S, 177.5W, H = 134 Km, M = 5.8					
		S OF FIJI IS						99.9
		LPB	eP	09 53 15.7				
			i	18				
			pP	57 20				
			SKS	10 03 42				
			L	26.2				
		PNS	P	09 53 16.2	C	1.5	62	
			i	20.2				
			i	54.6				
			iPP	10 57 21.0				
			SKS	03 45.0				
			ScS	04 45.0				
			SS	11 34				
			eG	20.6				
			L	26.3				
AUG	12	PNS	P	10 09 40.8		1.3	22	
		LPB	eP	10 09 41.5		1.2	12	
AUG	12	LPB	eP	10 12 07				
		PNS	eP	10 12 10.8				3.5
			S	52				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	12	LPB	eP	10 12 07				
		PNS	eP	10 12 10.8				3.5
			S	52				
AUG	12	USCGS	10 40 43.9, 53.7N, 160.4E, H = 25 Km, M = 5.0					
		NR E CST OF KAMCHATKA						
		PNS	ePKP	10 59 44.8				
			eSS	11 18 55				
			eG	32.7				
			eL	11 49.2				
		LPB	ePKP	10 59 48.5				127.3
AUG	12	USCGS	11 32 05.0, 19.0S, 169.3E, H = 164 Km,					
		NEW HEBRIDES IS						
		PNS	eL	12 54				113.2
AUG	12	USCGS	12 30 56.1, 14.9S, 166.7E, H = 23 Km, M = 5.2					
		NEW HEBRIDES IS						
		PNS	PKP	12 49 42.5		1.0	13	
			eG	13 19.2				
			L	13 26.5				
		LPB	ePKP	12 49 43				117.1
			L	13 26.3				
AUG	12	LPB	eP	19 28 08				
		CHA	eP	19 28 11.3				
		PNS	P	19 28 16.6		0.6	6	2.8
			S	56				
AUG	12	PNS	P	20 06 36.5		0.6	3	4.0
			eS	07 23				
AUG	12	LPB	eP	21 01 05				
		CHA	eP	21 01 05.3				
		PNS	P	21 01 06.9	C	0.7	5	
AUG	12	PNS	eP	21 23 48.2				
		LPB	eP	21 23 50				
AUG	12	PNS	eP	21 43 29.5				
		LPB	eP	21 43 31.4				
AUG	12	CHA	P	21 46 06.2				
		LPB	P	21 46 07.4		1.0	16	1.4
			S	25.8				
		PNS	P	21 46 12.1	C	0.6	10	1.4
			S	30.0				
		SCS	P	21 46 44.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	12	USCGS	21 33 53.0, 5.7S, 151.1E, H = 66 Km, NEW HEBRIDES					
		PNS	ePKP	21 53 12.4				135.0
		LPB	eL	22 37				
AUG	12	LPB	P	22 32 12.3		0.6	7	
		PNS	iP	22 32 12.4	D			2.1
			iS	37.0				
		CHA	iP	22 32 13.5	D			
		SCS	P	22 32 20.7				
AUG	12	USCGS	22 54 38.6, 37.0N, 71.4E, H = 121 Km, M = 5.1 AFGHANISTAN-USSR BOR REG					
		LPB	ePKP	23 13 52.0				138.5
		PNS	ePKP	23 13 53.6				
AUG	12	LPB	eP	23 28 29				
		PNS	eP	23 28 30				
			e(S)	29 32				
AUG	12	USCGS	23 30 56.8, 14.2S, 166.7E, H = 53 Km, M = 4.4 NEW HEBRIDES IS					
		LPB	ePKP	23 49 16				117.4
		PNS	eL	00 26.9				
AUG	13	PNS	eP	03 04 13.6		0.7	4	
		LPB	eP	03 04 15				
		SCS	eP	03 04 15.4				
AUG	13	LPB	eP	03 19 41.4				
		PNS	eP	03 19 44.5				
AUG	13	LPB	eP	04 00 32.3				
		PNS	P	04 00 37				
AUG	13	LPB	eP	04 10 00.8				
		PNS	iP	04 10 01.0	D	0.4	16	2.1
			iS	25.9				
		CHA	eP	04 10 02.6				
AUG	13	USCGS	05 14 57.9, 18.3S, 174.0W, H = 25 Km, M = 4.5 TONGA IS					
		LPB	P	05 27 52.5				98.9
		PNS	eP	05 27 52.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	13	USCGS	08 02 08.8, 31.1N, 116.4W, H = 33 Km, M = 4.0 BAJA CALIFORNIA					
		LPB	eP	08 12 54				66.3
AUG	13	USCGS	08 36 15.8, 44.2N, 114.7W, H = 33 Km, M = 3.8 W IDAHO					
		PNS	eP	08 47 41.6				
			pP	51.6				
			eL	09 11.7				
		LPB	eP	08 47 45.5				73.9
AUG	13	PNS	P	08 51 09.6	D	0.4	4	2.7
			S	32				
		CHA	eP	08 51 10.4				
		LPB	P	08 51 11.9				
AUG	13	PNS	P	09 53 00.5	C	0.6	3	5.1
			S	54 00				
		SCS	eP	09 53 15.3				
AUG	13	PNS	iP	13 23 55.9	D	0.6	9	1.9
			S	24 19				
AUG	13	LPB	eP	13 44 09.2				
		PNS	eP	13 44 10				2.1
			S	35.2				
AUG	13	PNS	iP	14 20 50.3	C	0.4	5	2.5
			S	21 20				
		SCS	eP	14 20 50.4				
		LPB	P	14 20 52.1	C	1.0	20	
AUG	13	LPB	eP	15 16 04.0		0.6	7	
		PNS	P	15 16 06.7		0.6	3	
AUG	13	PNS	P	15 41 27.7	C	0.6	5	1.8
			S	49.6				
AUG	13	USCGS	16 33 04.0, 50.9S, 29.1E, H = 33 Km, M = 5.4 S OF AFRICA					
		SCS	P	16 45 17.7	D			
		LPB	P	16 45 22.9	D	1.8	172	81.9
			S	55 36.5				
			L	17 12.1				
		PNS	P	16 45 23.5	C	1.6	101	
			iPP	35.0				
			S	55 40				
			eSS	17 01 02.4				
			L	17 12.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		USCGS	16 44 22.3, 43.5N, 126.9W, H = 33 Km, M = 5.0					
		OFF COAST OF OREGON						
		LPB	eP	16 36 30				80.1
		PNS	eP	16 56 29				
		SCS	P	16 56 36.9	D			
AUG	13	USCGS	16 54 45.7, 4.3S, 152.5E, H = 33 Km, M = 5.0					
		NEW BRITAIN REG						
		PNS	e	17 13 56.				
			pPKP	14 01.6				
			pPKP	10.1				
			PP	17 38.7				
			L	58.9				
		LPB	ePKP	17 13 57.0				135.0
			PP	17 38.4				
			L	59				
		SCS	PKP	17 14 11.7				
AUG	13	LPB	eP	17 39 57.7				
		PNS	eP	17 40 01.4				
AUG	13	PNS	P	19 53 04.8	C	0.8	5	5.1
			S	54 04				
		LPB	eP	19 53 06.9				
AUG	13	PNS	iP	20 00 26.9				1.9
			iS	59.5				
		LPB	P	20 00 39.7		0.6	13	2.1
			S	01 04.7				
		SCS	iP	20 00 43.2	D			
AUG	13	USCGS	20 06 50.6, 35.3N, 135.3E, H = 357 Km, M = 6.0					
		S HONSHU, JAPAN						
		PNS	iPKP	20 25 59.9	D	1.2	410	
			pPKP	27 26.7				
			SKS	32 56				
			SS	46 49				
			SS	21 08.7				
			L	18				
		LPB	iP	20 26 00.7	D	1.1	391	151.9
			i	06.8				
			i	48 48.2				
		SCS	iPKP	20 26 00.9	D			
AUG	13	SCS	P	20 26 18.9		0.9	24	
		PNS	iP	20 26 24.6	C			
AUG	13	PNS	eP	21 10 14		0.7	2	
		LPB	eP	21 10 19				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	13	PNS	P	21 23 45.7				
AUG	13	PNS	P	22 05 13.2				
		LPB	eP	22 05 15.4		0.6	6	
AUG	13	USCGS	22 07 47.5, 43.2N, 0.5W, H = 15 Km, M = 5.3					
		PYRENEES						
		PNS	P	22 20 27.6	C	1.5	55	
			eS	30 55				
			eSS	38 30				
			eL	48.8				
		LPB	P	22 20 29.2		1.6	78	85.7
			eL	48.2				
		SCS	P	22 20 31.7	D			
AUG	13	USCGS	22 11 12.8, 4.4S, 152.4E, H = 30 Km, M = 4.7					
		NEW BRITAIN REG						
		PNS	ePKP	22 30 30.8				
		LPB	ePKP	22 30 34				135.0
		SCS	ePKP	22 30 36.7				
AUG	13	USCGS	22 15 09.6, 4.4S, 152.5E, H = 29 Km, M = 5.3					
		NEW BRITAIN REG						
		PNS	PKP	22 34 08.4		1.4	45	
			i	33.6				
			ePKS	37 00				
			SS	55 02				
			eG	23 11.2				
			L	23 19.4				
		SCS	PKP	22 34 09.1				
			i	34.2				
		LPB	PKP	22 34 11.2		1.5	66	135.0
			i	36.9				
			L	23 19				
AUG	13	LPB	P	22 38 00.4				
		PNS	P	22 38 01	D			
			i	06.7				
		SCS	P	22 38 01.7				
AUG	13	LPB	eP	22 49 13.4				
		PNS	eP	22 49 46.3				
AUG	13	USCGS	23 44 11.0, 7.0S, 12.6W, H = 28 Km, M = 5.0					
		ASCENSION IS REG						
		LPB	P	23 53 44.8				55.5
			i	50.8				
		PNS	P	23 53 4[illegible]		1.0	8	
			i	50.6				
			iPP	55 52.4				
		SCS	P	23 53 46.1	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	13	LPB	eP	23 58 27				
		PNS	P	23 58 20.8	C	0.4	6	1.8
			iS	52.8				
		SCS	P	23 58 34.8				
AUG	13	USCGS	23 52 39.0, 4.6S, 152.3E, H = 3 Km, M = 4.4					
			NEW BRITAIN REG					
		LPB	ePKP	00 11 55				134.5
			eL	56				
		PNS	ePKP	00 12 00.4				
			eL	56.3				
AUG	14	USCGS	00 20 02.8, 6.7N, 82.6W, H = 33 Km, M = 4.0					
			S OF PANAMA					
		PNS	eP	00 25 42.7				
		LPB	eP	00 25 44.7				27.0
AUG	14	USCGS	02 31 33.0, 8.5S, 110.9E, H = 33 Km,					
			JAVA					
		LPB	ePKP	02 51 25				155.2
			eL	03 45				
		PNS	PKP	02 51 27		1.4	21	
			iPKP2	53.2				
			eL	03 45.1				
AUG	14	PNS	eP	04 15 00.6				
AUG	14	LPB	eP	05 38 16.2				2.2
			S	42.7				
		PNS	P	05 38 18.0	D	0.4	3	2.8
			S	51				
AUG	14	USCGS	05 57 49.0, 14.9S, 167.4E, H = 146 Km,					
			NEW HEBRIDES IS					
		LPB	ePKP	06 16 13				116.5
			eL	52				
		PNS	eL	06 53				
AUG	14	USCGS	06 41 46.2, 5.4N, 96.6E, H = 33 Km, M = 5.2					
			N SUMATRA					
		PNS	PKP	07 01 47.6		1.0	14	
			PKP2	02 33.4				
			L	58.1				
		LPB	PKP	07 01 48.5		1.0	14	160.8
			eL	58				
AUG	14	PNS	eP	07 49 40.4				
		LPB	P	07 49 41.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	14	LPB	P	08 03 33.8		0.7	7	
		PNS	P	08 03 35.1		0.6	5	
AUG	14	PNS	P	08 35 50				
AUG	14	SCS	iP	08 37 20.1	D			
		LPB	iP	08 37 32.5	C	0.7	6	5.2
			S	38 33				
		PNS	iP	08 37 34.5	C			5.5
			S	38 38				
AUG	14	PNS	P	09 19 42.3		0.6	7	
		LPB	eP	09 19 50				
AUG	14	USCGS	12 44 04.7, 17.3N, 94.6W, H = 120 Km, M = 4.5					
			CHIAPAS, MEXICO					
		LPB	P	12 51 53.2		1.0	30	42.3
			eL	13 05				
		PNS	P	12 51 46.2	D	1.0	32	
			pP	52 31.7				
			S	57 59				
			eL	13 04.6				
		SCS	P	12 51 54.4	D			
AUG	14	USCGS	13 55 29.0, 17.2S, 66.0W, H = 33 Km, M = 4.3					
			BOLIVIA					
		CCH	P	13 55 30.7	C			
		SCS	iP	13 55 51.1	C			
		LPB	iP	13 56 00.8	C			2.2
			S	24				
		PNS	iP	13 56 08.4	C			
			S	14				
AUG	14	USCGS	14 46 24.0, 6.9N, 73.0W, H = 159 Km, M = 4.0					
			N COLOMBIA					
		LPB	eP	14 51 18.4				23.4
			eL	57				
		PNS	P	14 51 20.5		0.5	3	
			iPP	52				
			eL	57.7				
AUG	14	CCH	eP	15 30 20.0				
		LPB	eP	15 30 40.6				
		PNS	P	15 30 41.7		0.6	4	
AUG	14	PNS	P	15 30 49.5				
			S	31 22				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	14	PNS	iP	15 57 02.5	C	0.7	19	3.2
			iS	40.6				
		CHA	P	15 57 06.6	D			
		LPB	eP	15 57 07.5		0.7	25	
		SCS	iP	15 57 15.0	D			
AUG	14	LPB	eP	16 38 24.5				
		PNS	P	16 38 27.0		0.5	2	
			i	33.3				
		SCS	eP	16 38 38.5				
AUG	14	USCGS	20 09 25.8, 40.7N, 30.5E, H = 33 Km, M = 4.7					
		TURKEY						
		LPB	eL	21 00				107.1
		PNS	eL	21 00.2				
AUG	14	CCH	eP	21 52 13.9				
		PNS	eP	21 52 22.9				
AUG	14	PNS	P	23 24 55.0		0.6	3	
		LPB	eP	23 24 56				
		CHA	P	23 24 56.4	C			
AUG	15	LPB	eP	00 15 04.2				
		PNS	eP	00 15 04.4				4.7
			eS	58				
		CHA	eP	00 15 09.2				
AUG	15	LPB	P	01 12 38.7	C	1.4	45	
			e(L)	30.4				
		PNS	P	01 12 40.5	C	1.3	24	
AUG	15	CCH	eP	03 01 38.3				1.1
		CHA	iP	03 02 01.3	C			
			S	15.2				
		PNS	iP	03 02 06.5	C	0.4	5	1.3
			iS	24				
		LPB	eP	03 02 12				
AUG	15	USCGS	02 56 30.0, 14.7N, 90.7W, H = 45 Km, M = 4.5					
		GUATEMALA						
		PNS	eP	03 03 45.7				
			eL	15.3				38.5
		LPB	P	03 03 47				
			eL	15				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	15	USCGS	03 23 52.3, 19.2N, 68.5W, H = 39 Km, M = 4.9					
		N ATLANTIC OCEAN						
		LPB	eP	03 30 43.5				35.1
			eL	41				
		PNS	P	03 30 44.6		0.8	3	
			eS	36 17.8				
			eL	40.9				
AUG	15	USCGS	04 06 55.8, 6.8N, 72.9W, H = 164 Km, M = 4.5					
		N COLOMBIA						
		LPB	eP	04 11 40.5		0.6	4	23.4
			i	55				
			S	15 58				
		CHA	eP	04 11 41.4				
		PNS	iP	04 11 41.9		0.8	6	
			i	51.7				
			iPP	12 25.4				
			S	15 52.8				
AUG	15	USCGS	07 40 28.7, 36.3N, 70.2E, H = 189 Km, M = 4.7					
		HINDU KUSH REG						
		PNS	ePKP	07 59 34.4				
			eL	08 45.7				
		LPB	eL	08 45				138.1
AUG	15	PNS	eP	08 03 52				
		LPB	eP	08 03 53.5				
AUG	15	LPB	P	08 17 32.7		0.8	13	2.6
			S	18 04				
		PNS	iP	08 17 33.0	C	0.5	7	2.6
			iS	18 04.2				
AUG	15	USCGS	08 42 49.0, 3.3S, 141.0E, H = 33 Km, M = 5.4					
		NEW GUINEA						
		PNS	PKP	09 02 23.6		0.8		
			eSS	24 24				
			eL	51.4				
		LPB	PKP	09 02 25		1.1	15	144.4
			eL	51				
AUG	15	USCGS	08 52 58.0, 22.0S, 66.2W, H = 276 Km, M = 4.9					
		JUJUY, PROVINCE ARGENTINA						
		CCH	eP	08 54 06.3				
		LPB	iP	08 54 26	P	0.8	14	5.6
			S	55 26.5				
		CHA	P	08 54 26.9				
		PNS	iP	08 54 27.3	P			
			iS	55 40.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	15	CHA	eP	09 11 41.3				
		PNS	P	09 11 41.4	C	0.8	5	
		LPB	eP	09 11 41.5				
AUG	15	PNS	eP	09 23 52				
			e	54.2				
		LPB	eP	09 23 54				
AUG	15	PNS	eP	09 31 17.4				4.5
			eS	32 09.7				
AUG	15	USCGS	09 21 02.3, 31.1N, 93.7E, H = 33 Km, M = 5.7					
		TIBET						
		PNS	PKP	09 41 02.8		1.4	18	
			eL	10 30.1				
		LPB	ePKP	09 41 03		1.1	10	157.7
			PKP2	35				
			eL	10 36				
AUG	15	PNS	iP	09 47 58.3	D	0.6	14	1.9
			S	48 21.6				
		CHA	P	09 48 00.6				
		LPB	P	09 48 02				
AUG	15	USCGS	11 18 34.0, 8.3S, 80.4W, H = 33 Km, M = 4.3					
		OFF CST OF N PERU						
		PNS	eP	11 21 56		0.9	5	
			S	24 32.8				
			eL	26.1				
		LPB	eP	11 22 04		0.9	34	14.1
			L	26 24				
AUG	15	LPB	eP	11 33 41				
		PNS	eP	11 33 42.0	C	0.8	5	
AUG	15	CHA	eP	12 26 04.5				
		LPB	eP	12 26 05.5				
		PNS	P	12 26 06.5		0.7	8	7.7
			S	27 34				
AUG	15	USCGS	15 36 06.6, 44.8N, 122.4E, H = 33 Km, M = 5.3					
		E RUSIA-N.E. CHINA BOR REG						
		PNS	PKP	15 55 46.0	C	1.4	38	
		LPB	PKP	15 55 47.6		1.5	66	147.6
			eL	16 4				
		SCS	PKP	15 55 48.3	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	15	USCGS	16 15 40.0, 21.2S, 69.1W, H = 126 Km, M = 3.9					
		N CHILE						
		SCS	iP	16 16 37.6	D			
		CCH	P	16 16 44.6				
		LPB	iP	16 16 50.3	C	0.8	91	4.6
		CHA	P	16 16 51.5				
		PNS	iP	16 16 52.1	C	0.7	24	
			eS	17 48				
AUG	15	CCH	eP	16 35 22.1				
		LPB	P	16 35 29.8				
			i	41				
		PNS	P	16 35 30.5		0.8	12	3.1
			S	36 06.6				
		SCS	P	16 35 35.[illegible]				
		CHA	eP	16 35 36.5				
AUG	15	USCGS	16 57 00.0, 55.5S, 29.5W, H = 33 Km, M = 4.9					
		S SANDWICH IS REG						
		SCS	P	17 05 36.4	C			
		CCH	eP	17 05 24.4				
		LPB	P	17 05 45.3				48.6
			eL	20.8				
		PNS	P	17 05 47.0		1.6	44	
AUG	15	PNS	eP	17 42 09.6		1.0	6	
AUG	15	CCH	eP	19 42 38.2				
		LPB	eP	19 43 05				
		PNS	P	19 43 11.6	C	0.4	1	2.1
			S	37				
AUG	15	LPB	eP	19 56 05		1.0	16	
		PNS	P	19 56 06.4	C	0.6	4	
AUG	15	SCS	eP	20 27 26.3				
		LPB	eP	20 27 40.4				
		CHA	eP	20 27 40.6				
		PNS	P	20 27 41.6				
AUG	15	USCGS	20 10 10.3, 27.1N, 140.5E, H = 349 Km, M = 4.6					
		BONIN IS REG						
		LPB	ePKP	20 29 08				151.1
		PNS	eL	22 21.3				
AUG	15	SCS	iP	21 25 57.0	D			
		LPB	P	21 26 10	D	0.9	196	
		CHA	P	21 26 11.5				
		PNS	iP	21 26 12.5	D	0.8	48	4.1
			S	27 01				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	15	SCS	eP	21 45 37.7				
		PNS	P	21 45 58.9		0.5	2	
AUG	15	LPB	eP	22 08 35.5				
		PNS	iP	22 08 39.4	D	0.4	4	1.8
			iS	09 01.4				
		CHA	iP	22 08 41.8	D			
AUG	16	PNS	iP	00 06 06.1	D			2.8
			iS	39.2				
		LPB	eP	00 06 09				
		CHA	iP	00 06 18.8	D			
		SCS	P	00 06 20.6	C			
		CCH	P	00 06 45.8				
AUG	16	USCGS	00 37 28.0, 60.2N, 144.1W, H = 33 Km, M = 4.0					
		S ALASKA						
		PNS	eSKS	01 01 37				96.7
			L	23.6				
AUG	16	USCGS	02 37 12.0, 14.2S, 75.6W, H = 86 Km, M = 4.2					
		NR CST OF PERU						
		PNS	P	02 38 56.5		1.0	12	
			S	40 20.5				
		CHA	eP	02 38 59.5				
		LPB	P	02 39 02		0.9	8	7.6
AUG	16	LPB	P	06 03 29.8		0.7	3	2.3
			S	57.5				
		PNS	P	06 03 30.0	D	0.5	2	2.2
			S	57				
		CHA	eP	06 03 33.2				
AUG	16	LPB	P	08 03 01.5				
		PNS	eP	08 03 04.8				
		CCH	eP	08 03 21.9				
AUG	16	LPB	P	08 40 48.7				
		PNS	eP	08 40 50				3.5
			S	41 31				
AUG	16	PNS	eP	10 10 45				
AUG	16	LPB	eP	14 53 24.5				
		PNS	eP	14 53 25				
		CCH	eP	14 52 56.4				
AUG	16	PNS	P	15 10 58.2	D	0.7	6	2.1
			S	11 23				
		CCH	eP	15 11 10.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	16	PNS	P	16 36 39.5				
		LPB	eP	16 36 42.3		0.6	3	
AUG	16	SCS	iP	17 17 14.5	D			
		CCH	eP	17 17 23.7				
		LPB	P	17 17 27.2				
			i	45.5		0.9	33	
		CHA	P	17 17 28.4				
		PNS	iP	17 17 30.4	D			
			i	48.2		1.3	35	
AUG	16	USCGS	17 42 55.7, 56.2S, 26.9W, H = 113 Km, M = 5.4					
		S SANDWICH IS REG						
		SCS	iP	17 51 30.5	D			
		LPB	iP	17 51 44.5	C			
			i	52 10		1.3	178	50.4
		CHA	iP	17 51 45.3	D			
		PNS	iP	17 51 47.4	C			
			ipP	52 12.6		1.8	191	
			PP	53 46.9				
			S	58 54.3				
			ScS	18 01 26.8				
			eL	07.4				
AUG	16	LPB	eP	17 56 42				
			S	58 49.2				11.4
		PNS	P	17 56 45.7		1.0	12	
AUG	16	CCH	eP	18 50 50.9				
		PNS	eP	18 51 04.8				
		LPB	eP	18 51 06.2				
AUG	16	USCGS	18 33 24.0, 36.3N, 141.5E, H = 121 Km, M = 4.1					
		NR E CST OF HONSHU, JAPAN						
		PNS	PKP	18 52 56.6	C	1.0	8	
			eL	19 43.2				
		LPB	PKP	18 52 56.8				147.6
			eL	19 43				
AUG	16	SCS	eP	19 35 55.5				
		CHA	eP	19 36 03.7				
		PNS	P	19 36 05.9	C	0.9	14	
			i	35.0				
		CCH	eP	19 36 28.9				
AUG	16	USCGS	19 18 57.6, 0.9N, 98.9E, H = 26 Km, M = 5.6					
		N SUMATRA						
		LPB	PKP	19 38 58.2		1.4	54	159.7
			i	39 22				
			PKP2	37				
			ePP	43 18				
			L	20 34.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	PKP	19 38 58.5		1.6	49	
			iPKP2	39 39.6				
			i	58.8				
			PP	43 18.2				
			SS	20 03 25				
			eG	35				
			eL	34.6				
AUG	16	CHA	eP	20 37 31.2				
		PNS	P	20 37 41.1		0.6	7	3.0
			S	38 16				
		SCS	P	20 37 44.9				
		LPB	eP	20 37 45.5				
		CCH	eP	20 37 50.8				
								3.0
AUG	16	LPB	eP	21 01 24				
			eS	59				2.5
		PNS	P	21 01 27.6	D	0.6	3	
			S	50				
								7.9
AUG	16	PNS	P	23 47 26.4				
			eS	48 55				
		LPB	P	23 47 27		0.4	8	
		CHA	P	23 47 28.4				
AUG	17	USCGS	00 06 55.0, 51.9N, 160.0E, H = 33 Km, M = 4.2					
		OFF E CST OF KAMCHATKA						
								128.2
		LPB	eL	01 07				
		PNS	eL	01 07.8				
AUG	17	PNS	P	02 16 56.4		0.5	2	
						0.6	7	
AUG	17	LPB	P	03 29 42.3				
		PNS	P	03 29 46.1	C	0.5	4	
		CHA	P	03 29 58.1				
AUG	17	LPB	eP	04 46 38.5				5.5
		PNS	eP	04 46 39				
			S	47 42				
AUG	17	SCS	P	04 59 33.9	C			2.4
		PNS	iP	04 59 39.8	D	0.4	8	
			S	06 00 09.0				
		CHA	eP	04 59 40.0				
		LPB	iP	04 59 40.4	D	0.7	11	
AUG	17	LPB	eP	05 38 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	17	USCGS	06 00 45.0, 5.9S, 106.8W, H = 33 Km, M = 4.1					
		N EASTER I CORDILLERA						
		PNS	eP	06 08 11		1.0	7	
			L	20				
		LPB	eP	06 08 14.5				39.1
			eL	20				
AUG	17	CHA	P	08 01 32.2				
		PNS	P	08 01 30.0		0.6	11	
		LPB	P	08 01 32.3				
AUG	17	PNS	P	08 27 13.9		1.0	18	5.4
			S	28 20				
		LPB	P	08 27 20.2				
		SCS	eP	08 27 20.5				
AUG	17	PNS	eP	08 44 45				
		LPB	P	08 44 46				
AUG	17	LPB	P	08 50 44		0.8	4	
		PNS	P	08 50 44.7	C	0.9	6	17.5
			eS	53 58				
		SCS	eP	08 51 14.1				
AUG	17	LPB	eP	11 23 56.5				
		PNS	eP	11 23 58.3		1.0	4	
			e	24 04.8				
		CHA	eP	11 24 02.9				
AUG	17	PNS	P	11 41 19.7				
AUG	17	USCGS	12 49 08.9, 0.8S, 21.1W, H = 40 Km, M = 4.5					
		CENTRAL MID-ATLANTIC RDG						
		LPB	P	12 57 54.5		1.1	25	49.1
			eL	13 13				
		PNS	P	12 57 55.2		1.3	17	
			pP	58 05				
			PP	59 40.9				
			S	13 04 57				
			SS	08 30				
			eL	12.8				
AUG	17	LPB	eP	14 49 42				
		PNS	P	14 49 44.2		1.0	7	
			eL	15 04.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	17	USCGS	14 31 56.4, 39.4N, 142.3E, H = 84 Km, M = 4.7					
		NR E CST OF HONSHU, JAPAN						
		PNS	PKP	14 51 25		1.1	13	
			eL	15 20.9				
		SCS	PKP	14 51 26.8	C			
		LPB	PKP	14 51 27.2		1.0	26	145.2
			eL	15 21				
AUG	17	LPB	eP	16 42 13.3				
		PNS	P	16 42 15.4		0.6	3	
AUG	17	LPB	eP	18 43 36.5				
		PNS	iP	18 43 41.6	C	0.5	5	3.1
			S	44 18				
		CHA	iP	18 43 45.2				
		SCS	P	18 43 49.9				
AUG	17	USCGS	20 28 34.0, 60.3S, 27.0W, H = 98 Km, M = 5.2					
		S SANDWICH IS REG						
		LPB	iP	20 37 40.7	C	1.1	125	52.1
			eL	54				
		CHA	iP	20 37 41.7	C			
		PNS	iP	20 37 43.2	C	1.2	11	
			PS	45 20				
			PcP	48 49				
			eL	54				
AUG	17	USCGS	22 42 09.3, 59.4N, 151.4W, H = 55 Km, M = 5.0					
		KENAL PENINSULA, ALASKA						
		PNS	eL	23 16.5				100.8
AUG	17	USCGS	23 20 02.7, 22.8S, 68.9W, H = 90 Km, M = 4.7					
		N CHILE						
		SCS	iP	23 21 30.6	D			
		LPB	P	23 21 39.5		1.0	30	6.3
			iPP	43.5				
			i	56				
			eL	23 23.2				
		CHA	P	23 21 39.8				
		PNS	P	23 21 41.0	C	1.0	18	
			iPP	48.2				
			i	58.0				
			L	23.1				
AUG	17	PNS	P	23 51 18.5	D	0.6	5	
		LPB	eP	23 51 19				
		SCS	eP	23 51 19.6				
AUG	18	PNS	iP	03 10 00.8	D	0.6	6	
		SCS	eP	03 10 01.9				
		LPB	P	03 10 04.2		0.6	7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	18	USCGS	03 35 40.5, 27.8N, 127.7E, H = 94 Km, M = 5.4					
		RYUKYU IS						
		PNS	PKP	03 55 33.3		1.8	78	
			PKP2	56 17.8				
			eSS	04 20 58				
			eL	53.7				
		LPB	PKP	03 55 34.5		1.0	16	164.9
			PKP2	56 18.3				
AUG	18	PNS	P	07 21 07.1				2.5
			S	37				
		LPB	P	07 21 12.5				
AUG	18	USCGS	09 36 42.1, 5.7N, 125.8E, H = 160 Km, M = 5.2					
		MINDANAO, PHILIPPINE IS						
		PNS	ePKP	09 56 28.8				
			eL	10 53.7				
		LPB	ePKP	09 56 29				162.8
AUG	18	USCGS	10 23 34.0, 35.0S, 71.2W, H = 20 Km, M = 4.0					
		CENTRAL CHILE						
		LPB	eP	10 26 53.5				18.6
			eL	32.5				
		PNS	eP	10 26 54.5				
			eL	32.4				
AUG	18	SCS	iP	10 44 59.9	C			
		LPB	iP	10 45 03.2		0.5	13	1.9
			S	26.5				
		CHA	iP	10 45 03.7	C			
		PNS	iP	10 45 05.0	C			2.1
			iS	29.8				
AUG	18	LPB	eP	15 27 46.7		0.5	11	
		PNS	P	15 27 47.3		0.8	6	
AUG	18	USCGS	15 56 15.0, 22.7S, 62.6W, H = 235 Km, M = 4.0					
		N CHILE						
		SCS	iP	15 57 38.8	D			
		LPB	iP	15 57 47.5	C	0.7	34	6.3
		PNS	iP	15 57 51.1	C	0.9	46	
			S	59 00				
			SS	18.4				
AUG	18	LPB	eP	16 46 15.6				
		PNS	P	16 46 16.5		0.6	3	
AUG	18	USCGS	19 05 08.0, 5.0S, 81.4W, H = 55 Km, M = 4.3					
		NR CST OF N PERU						

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	P	19 09 03.6		0.6	5	
		LPB	P	19 09 08		0.9	27	17.0
		SCS	P	19 09 18.2				
AUG	18	USCGS	20 30 29.0, 25.2S, 71.1W, H = 33 Km, M = 4.4					
		OFF CST OF N CHILE						
		LPB	eP	20 32 40.8				9.2
			ePP	55				
		PNS	P	20 32 43.6		0.5	2	
			PP	56.6				
			eSSS	34 57				
		SCS	e(P)	20 32 45.1				
AUG	18	SCS	iP	21 26 23.4	C			
		LPB	P	21 26 31.2	C	0.9	76	5.3
			S	27 32.3				
		CHA	iP	21 26 33.0	D			
		PNS	iP	21 26 35.5	C	0.8	38	5.6
			S	27 39.8				
AUG	18	USCGS	21 45 20.0, 19.0N, 64.8W, H = 33 Km, M = 4.3					
		VIRGIN IS						
		PNS	P	21 52 13.0		0.7	4	
			eL	22 07.4				
		LPB	P	21 52 15.2		0.7	7	35.1
AUG	18	LPB	eP	21 56 20				
		PNS	iP	21 56 23.1	D	0.5	17	1.9
			S	46				
		CHA	iP	21 56 25.5	C			
AUG	18	LPB	P	23 17 09.5	C	0.5	10	3.6
			iS	51.2				
		SCS	P	23 19 12.8				
		PNS	iP	23 17 14.6	C	0.6	8	3.3
			S	53.6				
		CHA	P	23 17 14.7				
AUG	19	LPB	eP	00 02 40.5				
		PNS	iP	00 02 45.0	D			0.1
			S	49				
AUG	19	USCGS	00 51 25.0, 21.4S, 67.3W, H = 237 Km, M = 3.9					
		CHILE-BOLIVIA BOR REG						
		SCS	iP	00 52 31.6	D			
		LPB	iP	00 52 41.3	D	0.8	36	5.0
		CHA	iP	00 52 42.8	D			
		PNS	iP	00 52 45.2	D	0.1	27	
			iPP	53 03.6				
			S	48.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	19	LPB	eP	01 12 07.2				
AUG	19	USCGS	01 34 43.5, 36.9N, 71.5E, H = 127 Km, M = 4.9					
		AFGHANISTAN USSR BOR REG						
		LPB	eL	01 40				139.0
		PNS	eL	01 40.7				
AUG	19	LPB	eP	04 24 08.5				
		PNS	eP	04 24 11				
AUG	19	LPB	P	05 28 48.6		0.7	4	
		PNS	P	05 28 50.3		0.8	5	
		CHA	P	05 28 50.5				
AUG	19	USCGS	05 17 28.0, 29.4N, 140.1E, H = 418 Km, M = 3.9					
		S OF HONSHU, JAPAN						
		LPB	ePKP	05 36 26.5				150.9
		PNS	PKP	05 36 33.1	C	0.8	5	
AUG	19	USCGS	07 03 07.9, 6.9N, 73.0W, H = 150 Km, M = 4.6					
		N COLOMBIA						
		PNS	iP	07 08 05.2	C	1.0	9	
			iPP	39.2				
			iSS	13 05				
		LPB	eP	07 08 05.3		0.9	15	23.4
			PP	42				
			SS	13 06				
		SCS	iP	07 08 16.0	D			
AUG	19	USCGS	08 21 33.1, 27.1S, 176.5W, H = 33 Km, M = 4.8					
		KERMADEC IS						
		LPB	eP	08 35 03				97.1
			eL	09 09				
		PNS	eP	08 35 07.8				
			eL	09 09.9				
AUG	19	SCS	iP	11 38 50.5	D			
		LPB	iP	11 39 01.7	C	0.6	350	4.9
			eS	58				
		CHA	iP	11 39 03.7	D			
		PNS	iP	11 39 05.1	C			5.1
			S	40 03.7				
JG	19	USCGS	12 14 21.7, 40.8N, 143.5E, H = 45 Km, M = 4.8					
		OFF E CST HONSHU, JAPAN						
		LPB	ePKP	12 23 47.5				143.5
		PNS	ePKP	12 23 48				
			eL	12 22.6				

ONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JG	19	LPB	eP	12 44 36.5				
		PNS	P	12 44 42.5		0.9	5	6.5
			S	45 56.6				
JG	19	USCGS	13 02 31.0, 14.3N, 145.7E, H = 89 Km, M = 4.8					
		MARIANA IS						
		PNS	ePKP	13 22 01.5		1.1	7	
		LPB	ePKP	13 22 02				147.1
			eL	14 12				
JG	19	PNS	P	13 45 42.5		0.8	5	6.5
			S	46 56				
		LPB	P	13 45 49.6		1.0	14	
JG	19	USCGS	13 38 17.2, 36.3N, 140.3E, H = 100 Km, M = 4.2					
		NR E CST OF HONSHU, JAPAN						
		LPB	ePKP	13 57 52.4				148.5
		PNS	ePKP	13 57 54.6				
			eL	14 48.4				
JG	19	USCGS	15 28 08.5, 10.4N, 126.0E, H = 58 Km, M = 5.6					
		PHILIPPINE IS REG						
		PNS	iPKP	15 48 10.3	C	1.8	312	
			iPKP2	49 04.4				
			ePP	52 53				
			SKKS	59 37.2				
			eG	16 35.9				
			eL	46.2				
		LPB	iPKP	15 48 10.5	C	1.9	378	164.8
			PKP2	49 08.2				
			ePP	52 54				
			eL	46				
UG	19	USCGS	15 41 53.3, 12.4S, 166.6E, H = 86 Km, M = 5.4					
		SANTA CRUZ IS						
		PNS	iPKP	16 00 32.9	C	1.7	67	
		LPB	PKP	16 00 33.2		1.1	30	189.8
UG	19	LPB	P	16 10 49.6		0.8	10	
		PNS	P	16 10 57.0		0.8	5	
UG	19	LPB	eP	16 34 35				
		PNS	P	16 34 37.9		0.6	4	
UG	19	PNS	P	17 04 22.8		0.9	6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	19	LPB	P	18 39 03		0.8	10	
		PNS	P	18 39 04.8	C	0.9	8	
AUG	19	LPB	eP	20 42 54.2				
		PNS	iP	20 42 54.8	D	0.6	11	2.0
			S	43 19				
AUG	19	LPB	P	20 44 33.3		0.7	15	
		PNS	P	20 44 41.8		0.6	2	
AUG	19	LPB	P	21 17 25.3	D	0.8	52	3.7
			S	18 08				
		CHA	P	21 17 25.6				3.2
			S	18 03.9				
		PNS	P	21 17 30.6		0.5	10	3.8
			S	18 15				
AUG	19	LPB	eP	21 41 05				
		PNS	P	21 41 07.8		0.5	3	
AUG	19	LPB	P	22 13 17.5		0.6	7	6.1
			S	14 27.5				
		CHA	eP	22 13 18.8				
		PNS	P	22 13 20.1		0.5	3	6.4
			S	14 33				
AUG	19	CHA	P	22 58 22.9				
		PNS	P	22 58 23.5	C	0.7	4	4.9
			eS	59 20				
AUG	19	PNS	eP	23 36 42				6.5
			eS	37 56				
		LPB	eP	23 36 42.5				
AUG	20	LPB	P	00 30 18.6				
		PNS	P	00 30 22.0		0.6	4	
		CHA	P	00 30 22.6				
AUG	20	USCGS	01 11 49.8, 38.4N, 139.2E, H = 39 Km, M = 4.2					
		NR W CST OF HONSHU, JAPAN						
		PNS	ePKP	01 31 31		1.7	25	
		LPB	ePKP	01 31 32.8		1.2	12	147.6
AUG	20	USCGS	02 02 05.2, 45.3N, 80.1E, H = 33 Km, M = 5.1					
		KAZAKH SINKIANG BOR REG						
		LPB	ePKP	02 21 33				141.0
			eL	03 09				
		PNS	ePKP	02 21 33.6		1.2	13	
			eL	03 09				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	20	PNS	P	03 00 58.5		0.8	3	
		LPB	eP	03 01 00				
AUG	20	LPB	iP	07 28 22.4	D	0.5	10	2.3
			eS	49.5				
		PNS	P	07 28 22.8	D	0.6	5	2.2
			S	49				
		CHA	P	07 28 24.0				
AUG	20	PNS	P	09 08 18.6		0.3	3	1.9
			S	42				
		LPB	P	09 08 21.3		0.4	8	
AUG	20	PNS	iP	11 58 19.2	D	0.5	8	2.0
			S	42.8				
		LPB	P	11 58 26.5	D	0.5	7	
AUG	20	PNS	eP	12 17 40				
		LPB	eP	12 17 42.3				
AUG	20	PNS	P	13 46 52.4		0.5	2	
AUG	20	USCGS	15 03 36.2, 25.2S, 69.0W, H = 109 Km, M = 5.6					
		N CHILE						
		LPB	P	15 05 39.5		1.0	126	9.0
			L	08				
		CHA	P	15 05 42.7				
		PNS	P	15 05 42.8	D	0.9	66	
			iPP	52.0				
			S	07 26				
			L	08.2				
			ScS	18 58.1				
AUG	20	LPB	eP	15 42 03				
		PNS	eP	15 42 52				
AUG	20	LPB	eP	16 00 57.5				2.2
			S	01 23.4				
		PNS	P	16 00 59.3	D	0.7	6	1.9
			S	01 22.8				
		CHA	P	16 01 00.3				
AUG	20	USCGS	16 43 30.0, 7.2N, 85.1W, H = 33 Km, M = 4.2					
		OFF CST OF COSTA RICA						
		PNS	eP	16 49 26		1.0	4	
			eL	57.9				29.0
		LPB	eP	16 49 28.5				
			eL	58				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	20	PNS	iP	19 44 34.8	D	0.4	8	2.1
			S	59				
		LPB	eP	19 44 37				
		CHA	iP	19 44 37.8	D			
AUG	20	USCGS	19 58 22.0, 8.8S, 108.3W, H = 33 Km, M = 4.9					
		N EASTER I CORDILLERA						
		PNS	P	20 05 52.4		1.0	55	
			eS	12 00				
			iSS	15 00				
			L	17.5				
		LPB	eP	20 05 56		1.0	156	39.4
			S	11 58				
			i	15 04				
			L	17.6				
AUG	21	LPB	eP	00 44 46.5				
		PNS	eP	00 45 58.2				2.1
			S	46 23				
AUG	21	USCGS	02 02 02.0, 17.8S, 172.8W, H = 33 Km, M = 4.3					
		TONGA IS REG						
		LPB	eP	02 15 34.5				97.9
		PNS	eL	02 48.9				
AUG	21	PNS	P	03 02 07.4		0.3	2	
		LPB	P	03 02 09.5				
AUG	21	LPB	P	05 13 23		0.9	20	
		PNS	P	05 13 24.3	D	0.8	13	4.6
			S	14 17				
AUG	21	PNS	P	05 28 08.1		0.7	12	5.4
			S	29 10				
		LPB	P	05 28 08.8		0.5	13	
			i	22.5				
AUG	21	LPB	P	05 39 57		1.0	16	
		PNS	P	05 40 00.4	D	0.8	11	
			i	13.8				
AUG	21	PNS	P	06 14 20.0	C	0.5	2	
		LPB	P	06 14 24		0.8	6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	21	USCGS	07 33 00.6, 3.6N, 95.8E, H = 33 Km, M = 5.9					
		OFF W CST OF N SUMATRA						
		LPB	PKP	07 52 59		1.2	40	159.6
			pPKP	10				
			PKP2	57 39				
			ePP	27				
			iSKKS	08 04 06				
			eSS	17 32				
			L	08 48.4				
		PNS	PKP	07 53 00.0		2.2	126	
			i	17.0				
			PP	57 36				
			iSKKS	08 04 10				
			SS	17 30				
			L	48.8				
AUG	21	LPB	eP	09 08 25.6				
		PNS	P	09 08 26.0	C	0.7	6	
AUG	21	USCGS	10 38 15.4, 21.1S, 68.9W, H = 132 Km, M = 4.0					
		CHILE BOLIVIA BOR REG						
		LPB	iP	10 39 25.0	C	1.0	305	4.5
		PNS	iP	10 39 28.3	C			
			S	40 22				
AUG	21	LPB	eP	16 36 09				
		PNS	P	16 36 12.6		0.7	5	
AUG	21	CHA	P	17 32 00.0				
		PNS	iP	17 32 02.6	C	0.5	3	
AUG	21	PNS	P	21 30 41.2		0.6	4	2.2
			S	31 07				
		LPB	P	21 30 41.5		0.5	7	
AUG	21	PNS	P	21 42 33.7	D	0.7	13	3.6
			S	43 15.7				
		CHA	P	21 42 38.5	C			
		LPB	P	21 42 39.1		0.9	20	
AUG	21	USCGS	21 37 05.3, 1.9S, 151.9E, H = 13 Km, M = 4.9					
		NEW IRELAND REG						
		PNS	ePKP	21 56 31.4				
		LPB	PKP	21 56 31.5		0.9	8	136.3
			eL	22 41				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	21	PNS	iP	22 39 41.7	D	0.4	9	1.8
			iS	40 04.0				
		CHA	iP	22 39 44.6	D			
		LPB	eP	22 39 47.4		0.5	7	
AUG	21	USCGS	23 32 23.0, 10.8S, 161.9E, H = 33 Km, M = 4.6					
		SOLOMON IS						
		LPB	eL	00 30				123.5
		PNS	ePKP	23 51 19				
AUG	21	USCGS	02 17 54.0, 25.3S, 68.9W, H = 99 Km,					
		CHILE ARGENTINA BOR REG						
		LPB	eP	02 20 01				9.0
			S	46				
		PNS	eP	02 20 01.6				
			eS	45				
AUG	22	LPB	P	06 06 43.6		1.0	12	
AUG	22	LPB	P	06 44 25.6		0.6	7	
		PNS	P	06 44 29.0		0.6	3	
AUG	22	LPB	P	07 22 07.5		0.9	10	
		PNS	P	07 22 10		0.7	3	
AUG	22	USCGS	07 42 45.0, 11.0S, 78.2W, H = 53 Km, M = 5.0					
		OFF CST OF PERU						
		PNS	eP	07 45 21.1		1.0	36	
			eS	47 23				
			eL	48.3				
		LPB	eP	07 45 21.3				11.0
			i)PP)	30.2				
			eL	48				
AUG	22	USCGS	08 55 54.6, 19.7S, 70.7W, H = 46 Km, M = 4.8					
		NR CST OF N CHILE						
		LPB	P	08 56 57.2				4.1
		PNS	P	08 56 57.3	C	0.8	94	
			iS	57 50				
		CHA	eP	08 56 59.5				
AUG	22	USCGS	09 59 35.0, 12.5S, 76.8W, H = 57 Km, M = 4.8					
		NR CST OF PERU						
		PNS	P	10 01 44.9		0.9	11	
			iPPP	02 00.4				
			S	03 26				
			L	04.2				
		LPB	P	10 01 50		1.0	14	9.0

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	23	PNS	P	00 35 38.3				5.2
			eS	36 38.6				
AUG	23	PNS	P	00 40 50.0				4.9
			S	41 46				
		LPB	eP	00 40 51.5				
AUG	23	LPB	eP	00 52 26				
		PNS	iP	00 52 31.3	C	0.6	4	4.8
			S	53 26				
AUG	23	PNS	eP	00 59 25				
		LPB	eP	00 59 26.5				
AUG	23	LPB	eP	01 08 33.5		0.7	7	
			(S)	09 23.2				
		PNS	eP	01 08 35.2		0.8	7	
AUG	23	PNS	P	01 12 04.1		1.0	8	
AUG	23	LPB	P	02 19 44.2		0.8	10	
AUG	23	PNS	iP	02 20 14.9	C	1.0	13	5.0
			S	21 11.6				
			L	21.7				
		LPB	iP	02 20 15.5	C	1.0	18	4.9
			S	21 11.5				
			eL	21.6				
		CHA	P	02 20 20.4				
AUG	23	USCGS	02 40 23.0, 19.6S, 71.1W, H = 37 Km, M = 4.2					
		OFF CST OF N CHILE						
		PNS	iP	02 41 27.2	C	1.0	28	
			i	42 06.5				
			S	30				
			L	43				
		LPB	iP	02 41 27.7	C	1.1	105	4.5
			eL	42.8				
AUG	23	LPB	eP	02 54 09.7				
		PNS	eP	02 54 12				
AUG	23	PNS	eP	02 55 33				5.2
			S	56 33.4				
		LPB	eP	02 55 36.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	23	LPB	P	04 04 04.5		0.5	6	
		PNS	P	04 04 05.3		0.4	3	1.6
AUG	23	PNS	eP	04 16 00				
		LPB	P	04 16 04.7				
			eS	45				3.4
AUG	23	USCGS	04 19 33.0, 54.4S, 22.4W, H = 33 Km, M = 4.5					
		S SANDWICH IS REG						
		LPB	P	04 28 31.5				
		PNS	eP	04 28 34.6				51.3
AUG	23	LPB	eP	05 18 33.5				
AUG	23	PNS	P	05 49 13.5		0.6	3	
		LPB	eP	05 49 17		0.6	7	
AUG	23	LPB	P	06 11 31.5		0.6	7	
AUG	23	PNS	iP	07 17 40.0	D	0.6	9	2.2
			S	18 06				
		LPB	iP	07 17 40.9	D	0.5	14	2.3
			S	18 08				
AUG	23	LPB	P	08 20 41.5				
			S	21 10				2.3
		PNS	iP	08 20 41.8	D	0.6	15	2.4
			S	21 11				
AUG	23	LPB	eP	08 42 05				
		PNS	P	08 42 08.8	D	1.1	11	
			i	26.1				
AUG	23	USCGS	08 30 01.0, 3.1S, 128.0E, H = 68 Km, M = 4.5					
		CERAM						
		LPB	ePKP	08 49 36				
		PNS	ePKP	08 49 51.4				154.7
AUG	23	USCGS	09 21 59.4, 4.3S, 81.5W, H = 33 Km, M = 5.0					
		NR CST OF N PERU						
		PNS	eP	09 26 02	C	1.0	730	
			i(SS)	29 39				
			L	31.4				
		LPB	P	09 26 07.2	C	1.0	240	18.0
			S	29 38				
			eL	31.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	23	LPB	eP	09 33 51				
		PNS	eP	09 33 52.5				
AUG	23	LPB	eP	09 57 29				
		PNS	eP	09 57 32.6				
AUG	23	LPB	P	10 37 09		0.7	14	3.7
			S	52.5				3.9
		PNS	eP	10 37 15.8				
			S	38 01				
AUG	23	USCGS	14 16 40.0, 60.7S, 24.1W, H = 33 Km, M = 5.1					
		S SANDWICH IS REG						
		LPB	P	14 26 04.5		1.3	41	54.2
			eL	14 43				
		PNS	P	14 26 07.1	C	1.0	25	
			eL	42.9				
AUG	23	PNS	P	16 33 55.5		0.7	8	2.9
			S	34 30				
AUG	23	LPB	eP	17 15 58		0.7	6	
		PNS	P	17 15 58.0		0.6	3	4.9
			iPn	16 01.8				
			S	54.0				
		CCH	eP	17 16 08.4				
AUG	23	PNS	eP	18 33 58.6				
AUG	23	USCGS	18 49 48.0, 35.6N, 141.2E, H = 6 Km, M = 4.1					
		NR E CST OF HONSHU, JAPAN						
		LPB	PKP	19 09 32				147.6
		PNS	ePKP	19 09 33.5		1.2	9	
		CCH	ePKP	19 09 39.8				
AUG	23	PNS	P	19 52 18.3				
AUG	23	LPB	eP	20 18 14				
		PNS	eP	20 18 14				
AUG	23	LPB	eP	20 26 09				
		PNS	P	20 26 12.4		0.8	4	
AUG	23	LPB	eP	21 35 21.4				
		PNS	P	21 35 23.6		0.6	23	3.9
			S	36 08.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	24	CCH	P	01 01 19.3				
		PNS	P	01 01 26.0		0.7	5	
		LPB	eP	01 01 27.5				
AUG	24	USCGS	01 18 51.0, 24.6S, 66.9W, H = 172 Km, M = 4.5					
		SALTA PROV, ARGENTINA						
		CCH	P	01 20 34.2	D			
		LPB	P	01 20 47.7		1.0	40	8.1
			S	22 17				
		PNS	P	01 20 50.7		0.9	36	
			S	22 22				
AUG	24	LPB	eP	03 04 22				
			eL	18.6				
		PNS	P	03 04 22.6	C	1.0	9	
			i	28.9				
			eL	19.3				
		CCH	eP	03 04 26.9				
AUG	24	USCGS	03 21 17.6, 43.5N, 147.5E, H = 70 Km, M = 5.4					
		KURILE IS						
		CCH	PKP	03 40 37.5				
		PNS	ePKP	03 40 40.4		1.1	15	
			eL	04 27.3				
		LPB	P	03 40 40.5		1.0	18	139.5
AUG	24	USCGS	05 30 05.8, 21.0S, 179.4W, H = 672 Km, M = 4.7					
		FIJI IS REG						
		LPB	eL	06 19				102.6
		PNS	eL	06 19.2				
AUG	24	CCH	P	06 33 04.5				
		LPB	eP	06 33 32.6				
		PNS	P	06 33 38.0		0.8	6	
AUG	24	PNS	P	09 08 54.7				
			L	17.5				
		LPB	eP	09 08 57.5				
			L	17.3				
AUG	24	USCGS	10 32 52.6, 14.9S, 166.9E, H = 23 Km, M = 5.3					
		NEW HEBRIDES IS						
		LPB	PKP	10 51 39				117.3
			PS	11 02 40				
			L	11 28.3				
		PNS	PKP	10 51 39.2		0.8	6	
			PP	52 57				
			PS	11 02 42				
			L	11 28.2				
		CCH	ePKP	10 51 40.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	24	USCGS	10 43 26.0, 17.1S, 40.3E, H = 33 Km, M = 5.1					
			MONZAMBIQUE CHANNEL					
		PNS	eP	10 57 16.2				102.0
AUG	24	PNS	iP	11 31 16.4	D	0.6	3	2.2
			S	42				
AUG	24	USCGS	11 39 29.0, 27.1N, 111.6W, H = 33 Km, M = 3.9					
			GULF OF CALIFORNIA					
		PNS	eP	11 49 36.2				60.3
AUG	24	USCGS	13 07 53.0, 16.4S, 75.1W, H = 33 Km, M = 4.6					
			OFF CST OF PERU					
		PNS	eP	13 09 27.5		0.6	8	
			S	10 45.8		0.6	8	
		LPB	eP	13 09 32				6.7
AUG	24	USCGS	13 34 10.5, 22.3S, 178.1W, H = 330 Km, M = 4.6					
			S OF FIJI IS					
		PNS	P	13 47 28.0		0.6	3	
		LPB	eP	13 47 28.5				102.4
AUG	24	PNS	iP	13 48 47.5	D	0.4	7	1.8
			iS	49 09.2				
AUG	24	PNS	eP	14 24 28.9				3.5
			S	25 11.2				
		LPB	eP	14 24 30.2				
AUG	24	LPB	P	14 39 58		0.6	11	
		PNS	P	14 39 58.0		0.6	4	1.8
			iS	40 20.2				
AUG	24	USCGS	14 19 28.3, 6.3S, 130.0E, H = 161 Km, M = 5.1					
			BANDA SEA					
		LPB	ePKP	14 59 00				151.1
			(pPKP)	06.5				
			PKP2	15				
		PNS	ePKP	14 39 00				
			(pPKP)	06.6				
			iPKP2	15.2				
AUG	24	LPB	P	15 13 36		0.7	10	7.5
			S	14 06				
		PNS	iP	15 13 38.0	D	0.5	8	2.5
			iS	14 08.0				
		CHA	eP	15 13 38.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	24	LPB	eP	16 35 48.2				
		PNS	P	16 35 50.9		0.6	3	
AUG	24	LPB	eP	17 28 01				
		PNS	eP	17 28 02.6				
AUG	24	USCGS	17 14 00.1, 18.5N, 145.5E, H = 197 Km, M = 5.1					
			MARIANA IS					
		CCH	PKP	17 33 29.3	C			
		LPB	ePKP	17 33 21				148.0
			PKP2	25.7				
			eL	18 24				
		PNS	ePKP	17 33 22.3		1.0	16	
			iPKP2	25.0				
		CHA	eP	17 33 24.0				
AUG	24	LPB	eP	17 48 00.3		0.8	10	
		CHA	P	17 48 01.0				
		PNS	iP	17 48 01.6	C	0.6	7	
AUG	24	PNS	P	21 23 59.6	D	0.8	10	
		LPB	eP	21 24 00.2				
AUG	24	USCGS	22 27 53.0, 5.3S, 150.5E, H = 189 Km,					
			NEW BRITAIN REG					
		PNS	ePKP	22 46 54				136.3
AUG	24	USCGS	23 14 45.0, 10.5S, 27.3E, H = 21 Km, M = 5.0					
			REPUBLIC OF THE CONGO					
		PNS	eP	23 27 50.2				91.8
AUG	25	LPB	eP	00 13 06.3				
		PNS	iP	00 13 09.0	D	0.6	10	2.2
			iS	35.0				
		CHA	P	00 13 13.2				
AUG	25	LPB	eP	01 36 07.7				2.8
			eS	40.5				
		PNS	P	01 36 08.4		0.7	5	2.5
			S	33				
AUG	25	LPB	eP	02 13 46.5				
		PNS	eP	02 13 50		0.6	4	
AUG	25	TRJ	iP	03 37 18.0	D			
		PNS	P	03 37 50.6	C	0.7	4	
		LPB	eP	03 37 51.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	25	PNS	P	04 42 28.0		0.9	6	5.7
			S	43 33				
		LPB	eP	04 42 31				
AUG	25	LPB	eP	04 52 38				
			L	05 01.3				
		PNS	P	04 52 38.1	D	1.1	18	
			eL	05 01.2				
AUG	25	USCGS	06 01 21.0, 6.9N, 73.0W, H = 161 Km, M = 4.2					
		N COLOMBIA						
		PNS	iP	06 06 17.5	C	0.7	7	
			ipP	49.3				23.4
		LPB	P	06 06 19				
AUG	25	LPB	iP	07 41 10.5	D	0.7	7	2.2
			S	36.5				
		PNS	iP	07 41 13.1	D	0.6	9	2.3
			iS	41.1				
		CHA	iP	07 41 13.2	C			
AUG	25	TRJ	P	09 06 19.3				
		LPB	eP	09 06 48.5		0.7	2	
		PNS	P	09 06 49.8				
AUG	25	TRJ	P	09 41 09.0				
AUG	25	USCGS	09 45 43.0, 57.3S, 25.6W, H = 33 Km, M = 5.3					
		S SANDWICH IS REG						
		TRJ	P	09 54 01.9				
		LPB	P	09 54 47.7		1.3	53	51.1
			eL	10 10				
		CHA	eP	09 54 49.6		1.3	39	
		PNS	P	09 54 50.8				
AUG	25	LPB	eP	14 28 41.5				
		PNS	eP	14 28 41.8				
AUG	25	USCGS	15 03 25.1, 51.7N, 177.2E, H = 37 Km, M = 4.8					
		RAT IS, ALEUTIAN IS						118.2
		LPB	ePKP	15 22 30				
			eL	59				
		PNS	ePKP	15 22 30				
AUG	25	PNS	P	16 37 49.4		0.6	2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	25	LPB	eP	20 09 23				3.0
			S	58				
		CHA	iP	20 09 24.2	D			
		PNS	iP	20 09 25.1	C	0.8	9	3.2
			iS	10 03.2				
AUG	25	PNS	iP	20 17 58.7	D	0.4	3	2.0
			iS	18 23.0				
		CHA	P	20 18 02.6				
AUG	25	TRJ	P	22 46 04.4	C			3.0
			S	47 29.0				
		CCH	P	22 46 55.2				
		LPB	iP	22 47 06.7	C	0.7	59	4.0
			eS	53.5				
		CHA	eP	22 47 09.7				
		PNS	iP	22 47 10.7	C	0.6	19	4.2
			S	48 00				
AUG	25	USCGS	22 54 18.3, 12.2N, 140.8E, H = 33 Km, M = 4.9					
		CAROLINE IS						
		LPB	PKP	23 14 04				151.4
			pPKP	13.4				
		PNS	ePKP	23 14 05.6				
			PKP2	20.7				
			eL	55.9				
		CCH	ePKP	23 14 16.9				
AUG	25	USCGS	22 58 48.3, 12.2N, 140.9E, H = 33 Km, M = 5.1					
		W CAROLINE IS						
		LPB	PKP	23 18 37.5		1.1	12	151.4
			i	43.3				
		PNS	PKP	23 18 42.3		1.0	36	
AUG	26	PNS	eP	00 23 03.5				
AUG	26	USCGS	00 36 42.1, 12.2N, 140.7E, H = 33 Km, M = 6.1					
		W CAROLINE						
		PNS	iPKP	00 56 30.4	D	1.9	370	
			iPP	01 00 14				
			eG	39.2				
			L	48.2				
		LPB	iPKP	00 56 31.1	D	1.4	240	151.4
			(pPKP)	37.5				
			PP	01 00 00				
			eSKS	03 18				
			eSS	19 00				
			eL	48				
		TRJ	iPKP	00 56 33.6	D			
			i	40.9				
		CCH	PKP	00 56 33.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	26	TRJ	iP	01 04 48.0	C			
		CCH	P	01 05 31.7	C			
		LPB	eP	01 05 45		0.8	18	
		PNS	iP	01 05 48.0	C	0.7	8	
AUG	26	USCGS	00 50 00.6, 12.2N, 140.8E, H = 33 Km, M = 4.5					
		W CAROLINE IS						
		PNS	ePKP	01 09 50.5				151.4
AUG	26	USCGS	00 53 17.4, 12.2N, 140.7E, H = 14 Km, M = 5.3					
		W CAROLINE IS						
		LPB	PKP	01 13 08				151.1
			i	15				
			eL	02 06				
		PNS	PKP	01 13 15.4				
			eSS	36 21				
		CCH	PKP	01 13 19.0				
AUG	26	USCGS	01 41 49.8, 12.2N, 140.7E, H = 33 Km, M = 4.9					
		W CAROLINE IS						
		LPB	ePKP	02 01 44.5		0.9	6	151.4
		PNS	PKP	02 01 44.5		1.0	6	
			pPKP	53.6				
			eL	02 53.6				
AUG	26	USCGS	02 07 08.9, 12.2N, 140.8E, H = 30 Km, M = 5.3					
		W CAROLINE IS						
		PNS	PKP	02 26 58.4	C			
			i	27 05				
			PKP2	14				
		PNS	PKP	02 26 58.4	C	1.8	65	
			i	27 04.2				
		CHA	ePKP	02 27 05.0	C			
		CCH	PKP	02 27 07.8	C			
		TRJ	PKP	02 27 08.8				
AUG	26	USCGS	02 29 51.0, 12.1N, 140.6E, H = 33 Km, M = 4.9					
		W CAROLINE IS						
		PNS	PKP	02 49 45.2		0.6	4	
			eL	03 41.6				
		CCH	ePKP	02 49 45.6				151.1
		LPB	PKP	02 49 46				
AUG	26	PNS	iP	02 53 31.6	C	0.4	5	2.1
			S	56.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	26	CHA	P	03 04 45.5				
		LPB	iP	03 04 45.8	C	0.9	10	2.5
			S	05 16.3				
		PNS	iP	03 04 46.0	C	0.5	8	2.1
			S	05 11.2				
AUG	26	USCGS	03 29 58.5, 12.2N, 140.7E, H = 30 Km, M = 4.8					
		W CAROLINE IS						
		PNS	PKP	03 49 53.5		1.8	60	
		LPB	PKP	03 49 54		1.5	44	151.1
			PKP2	50 04				
		CCH	PKP	03 49 58.3				
AUG	26	PNS	iP	04 03 15.9	D	0.3	7	7.4
			S	04 40.4				
		CCH	eP	04 03 16.4				
		LPB	eP	04 03 17.7				
AUG	26	USCGS	05 25 17.4, 12.1N, 140.7E, H = 33 Km, M = 4.7					
		W CAROLINE IS						
		PNS	ePKP	05 45 04		1.6	44	
			eL	06 36.9				
		LPB	ePKP	05 45 06.5				151.1
		CCH	ePKP	05 45 16.0	D			
AUG	26	USCGS	05 46 50.1, 12.1N, 140.6E, H = 33 Km, M = 4.8					
		W CAROLINE IS						
		PNS	iPKP	06 06 44.8	C	0.9	6	
			eL	58.6				
		LPB	PKP	06 06 45		1.0	14	151.4
		CCH	PKP	06 06 48.9	D			
AUG	26	USCGS	07 55 00.0, 12.1N, 140.6E, H = 33 Km, M = 4.8					
		W CAROLINE IS						
		LPB	PKP	08 14 54				151.4
		PNS	iPKP	08 14 54.1	C	0.8	6	
AUG	26	CCH	iP	09 27 04.1	D			
		LPB	P	09 27 40.7		0.8	16	3.2
			S	28 17.3				
		CHA	P	09 27 40.8				
		PNS	eP	09 27 46.5				3.6
			S	28 29				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	26	USCGS	10 25 13.5, 12.2N, 140.7E, H = 33 Km, M = 4.6					
		W CAROLINE IS						
		PNS	PKP	10 45 08.0	C	1.0	12	
			eL	11 36.8				
		LPB	PKP	10 45 08.5		1.0	20	151.4
AUG	26	PNS	eP	11 12 37.7				8.1
			eS	14 10				
		LPB	eP	11 12 30.5				
AUG	26	USCGS	11 09 47.9, 66.6N, 151.2W, H = 19 Km, M = 4.6					
		W CAROLINE IS						
		LPB	PKP	11 29 45				151.4
		PNS	PKP	11 29 45.3		1.0	9	
AUG	26	USCGS	11 11 23.0, 12.2N, 140.5E, H = 3 Km,					
		W CAROLINE						
		LPB	ePKP	11 31 17				151.4
		PNS	PKP	11 31 18.2	C	0.8	5	
AUG	26	PNS	P	11 40 04.7		0.8	5	
		LPB	eP	11 40 05.5				
AUG	26	PNS	iP	12 00 16.7	D	0.5	14	2.1
			iS	41.4				
		LPB	eP	12 00 18.3				
		CHA	iP	12 00 20.0	D			
AUG	26	PNS	P	12 20 13.7		0.7	4	
AUG	26	USCGS	12 24 23.6, 12.1N, 140.7E, H = 42 Km, M = 4.8					
		W CAROLINE IS						
		PNS	PKP	12 44 17.3		0.9	6	
			pPKP	26.7				
		LPB	ePKP	12 44 18				151.4
AUG	26	USCGS	13 30 39.0, 17.7S, 72.0W, H = 33 Km, M = 4.2					
		NR CST OF PERU						4.0
		LPB	eP	13 31 32.3				
		PNS	P	13 31 33.8	C	0.9	16	
			S	32 29				
		CHA	eP	13 31 37.9				
		CCH	iP	13 31 58.2	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	26	USCGS	15 25 20.0, 20.2S, 67.1E, H = 33 Km, M = 5.0					
		MID-INDIAN RISE						
		PNS	eL	16 33.5				122.6
AUG	26	LPB	eP	16 22 36.8				
		PNS	iP	16 22 37.3	D	0.5	8	2.6
			S	23 08.4				
AUG	26	LPB	eP	16 41 26.6				
		PNS	eP	16 41 30		0.5	3	
AUG	26	USCGS	18 19 58.2, 15.4S, 172.7W, H = 37 Km, M = 5.0					
		SAMOA IS REGION						
		LPB	eP	18 33 37				99.0
		PNS	eP	18 33 39.9		1.6	24	
			PP	37 50				
			eSKS	43 59				
			eL	19 07				
		CCH	eP	18 33 43.3				
AUG	26	CCH	eP	20 29 34.0				
		PNS	iP	20 29 56.2	D	0.5	7	1.8
			iS	30 18.2				
		CHA	iP	20 29 58.7	D			
AUG	26	LPB	eP	23 06 07				
		PNS	P	23 06 10.8		0.5	2	
AUG	26	USCGS	23 21 58.0, 12.3N, 140.5E, H = 33 Km, M = 4.6					
		W CAROLINE IS						
		LPB	ePKP	23 41 53.5				151.3
			eL	33				
		PNS	PKP	23 41 53.6	C	0.9	7	
			eL	00 33.8				
AUG	27	USCGS	01 55 16.0, 5.7S, 106.6E, H = 175 Km,					
		JAVA						
		LPB	ePKP	02 15 25		1.1	10	156.9
			eL	03 09				
		PNS	PKP	02 15 27.1	D	1.0	12	
			eL	03 09.9				
AUG	27	USCGS	02 04 43.5, 4.3S, 152.4E, H = 14 Km, M = 4.7					
		NEW BRITAIN REG						
		LPB	ePKP	02 24 02.5				135.0
			eL	03 09				
		PNS	ePKP	02 24 05.8				
		CCH	ePKP	02 24 12.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	27	USCGS	02 17 57.2, 52.4N, 168.7W, H = 33 Km, M = 3.9					
		FOX IS ALEUTIAN IS						
		LPB	eP	02 32 23				109.4
AUG	27	PNS	iP	02 32 30.5	D	0.6	10	1.8
			eS	52.3				
		LPB	eP	02 32 33				
AUG	27	USCGS	02 33 26.0, 6.0S, 147.2E, H = 87 Km,					
		E NEW GUINEA REG						
		LPB	ePKP	02 53 51				138.4
			eL	03 41				
AUG	27	PNS	iP	03 39 28.7	C			
AUG	27	CCH	eP	06 04 59.7				
		PNS	eP	06 05 06.6				
		LPB	eP	06 05 11				
AUG	27	USCGS	07 03 51.0, 12.0N, 140.7E, H = 33 Km, M = 4.7					
		W CAROLINE IS						
		LPB	PKP	07 23 40.2				151.1
		PNS	PKP	07 23 44.8		1.3	15	
AUG	27	TRJ	iP	07 35 40.4	C			2.6
			S	36 11.4				
		CCH	P	07 36 02.1				
		LPB	P	07 36 13		0.8	9	5.0
			S	37 10.2				
		CHA	eP	07 36 14.7				
		PNS	iP	07 36 16.0	D	0.5	7	5.1
			S	37 14.6				
AUG	27	PNS	eP	08 57 02.3				
AUG	27	PNS	iP	08 59 34.2	D	0.3	5	1.9
			S	56.8				
		LPB	P	08 59 37.7				
AUG	27	USCGS	13 08 55.9, 12.3N, 86.8W, H = 183 Km, M = 5.2					
		NICARAGUA						
		PNS	iP	13 15 18.0	C	0.5	19	
			PP	16 43.7				
			ePeP	17 58.2				
			SS	22 46.8				
			iScS	25 26				
		CHA	P	13 15 20.0				
		LPB	iP	13 15 22.5	C	0.8	128	33.7
			ScS	25 29.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	27	PNS	eP	13 21 21.8				
AUG	27	USCGS	13 34 52.6, 50.2N, 130.0W, H = 24 Km, M = 5.1					
		VANCAUVER IS REG						
		PNS	P	13 47 29.0		1.0	7	
			S	58 02				
			eL	14 15.9				
		LPB	P	13 47 29.0		1.0	14	85.5
AUG	27	PNS	iP	13 57 17.1	D	0.5	11	2.3
			S	44.8				
		LPB	iP	13 57 17.8	D	0.7	5	2.3
			S	46				
		CHA	iP	13 57 18.5	D			
AUG	27	LPB	eP	14 10 02.5				
		PNS	iP	14 10 08.2	D			1.9
			iS	31.4				
		CHA	iP	14 10 10.8	D			
AUG	27	USCGS	14 16 56.1, 0.5N, 126.1E, H = 62 Km, M = 5.4					
		MOLUCCA PASSAGE						
		PNS	PKP	14 36 52.6		1.4	23	
			pPKP	37 02.9				
			PKP2	28.4				
			eSS	15 01 12				
			eL	32				
		LPB	ePKP	14 36 53		1.3	30	158.7
			eL	15 32				
AUG	27	LPB	eP	15 19 36				
		PNS	P	15 19 36.9		0.8	5	
AUG	27	USCGS	15 18 45.0, 50.2N, 129.8W, H = 33 Km, M = 3.8					
		VANCAUVER IS REG						
		PNS	eL	15 59.6				85.5
AUG	27	PNS	iP	15 48 45.7	D	0.6	13	1.9
			iS	49 08.7				
		CHA	iP	15 48 48.0	D			
		LPB	P	15 48 48.7		0.5	15	
AUG	27	USCGS	16 35 14.0, 12.5N, 123.5E, H = 127 Km, M = 4.7					
		LUZON, PHILIPPINE IS						
		LPB	ePKP	16 54 56				168.0
AUG	27	USCGS	17 05 28.4, 12.3N, 140.6E, H = 33 Km, M = 4.7					
		W CAROLINE IS						

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		LPB	P	17 25 20		1.0	8	151.6
		PNS	PKP	17 25 23.4		1.0	7	
AUG	27	USCGS	17 23 12.0, 6.4S, 131.2E, H = 33 Km, M = 4.5					
		TANIMBAR IS REG						
		LPB	ePKP	17 43 00				150.0
		PNS	ePKP	17 43 02				
AUG	27	PNS	P	18 34 43.7		1.0	7	
AUG	27	PNS	P	19 38 27.8		0.5	7	2.5
			S	57.5				
		LPB	eP	19 38 30				
AUG	27	USCGS	21 38 59.2, 4.7S, 153.1E, H = 62 Km, M = 4.8					
		NEW IRELAND REG						
		LPB	eL	22 42				134.0
		PNS	ePKP	21 58 12				
			PKS	22 01 41				
			eL	42.7				
AUG	28	USCGS	00 56 51.0, 10.0S, 71.2W, H = 609 Km, M = 4.7					
		PERU-BRAZIL BOR REG						
		PNS	iP	00 58 40.4	D			
			S	01 00 04				7.1
		LPB	iP	00 58 43.7	D			
		CCH	iP	01 00 04				
		TRJ	iP	00 59 39.4	D			
AUG	28	LPB	P	01 46 24.5		1.0	12	
		PNS	iP	01 46 25.6	C	0.4	4	2.9
			S	47 00				
AUG	28	LPB	eP	01 50 39.5				
		PNS	eP	01 50 41				
AUG	28	PNS	P	02 09 45.4		1.0	6	
		LPB	eP	02 09 48.5				
AUG	28	LPB	P	03 00 50.5				
		PNS	P	03 00 51				
AUG	28	USCGS	03 39 03.6, 38.4N, 24.0E, H = 26 Km, M = 4.2					
		AEGEAN SEA						
		PNS	eL	04 27.7				101.7

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	28	LPB	eP	05 14 07.5				
AUG	28	PNS	P	05 41 28.4				
		LPB	eP	05 41 34.5				
AUG	28	PNS	eP	05 53 34.2				
		LPB	eP	05 53 38				
AUG	28	PNS	P	06 36 52.4		0.6	3	5.0
			S	37 49				
		LPB	P	06 36 55				
		CCH	eP	06 37 08.3				
AUG	28	USCGS	07 31 18.0, 12.2N, 140.8E, H = 49 Km, M = 4.7					
		W CAROLINE IS						
		LPB	ePKP	07 51 03.5				151.1
		PNS	PKP	07 51 11.5		1.0	7	
AUG	28	PNS	P	08 44 44.6	C	0.4	4	2.3
			S	45 12.5				
		CCH	P	08 44 46.4				
		LPB	eP	08 44 47.5				
AUG	28	PNS	eP	09 34 00				
		LPB	eP	09 34 04				
		CCH	eP	09 34 27.7				
AUG	28	PNS	eP	10 03 40.6				
		LPB	eP	10 03 42.5				
AUG	28	LPB	eP	11 04 35				
		PNS	P	11 04 38.1		0.5	3	
AUG	28	USCGS	11 32 11.0, 50.2N, 129.5W, H = 33 Km, M = 3.7					
		VANCAUVER IS REG						
		PNS	eP	11 44 43				85.5
AUG	28	USCGS	11 41 21.0, 50.1N, 129.1W, H = 33 Km, M = 3.8					
		VANCAUVER IS REG						
		PNS	eL	12 22				85.5
AUG	28	USCGS	12 39 18.0, 50.1N, 129.6W, H = 36 Km, M = 4.1					
		VANCAUVER IS REG						
		LPB	eP	12 51 49.8				85.5
		PNS	eP	12 51 50.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	28	PNS	eP	14 00 03				
AUG	28	USCGS	13 49 42.1, 50.3N, 130.1W, H = 18 Km, M = 4.6					
		VANCAUVER IS REG						
		LPB	eP	14 02 15				85.5
		PNS	eP	14 02 15				
			eS	12 45				
			eL	30.8				
AUG	28	USCGS	15 07 11.7, 50.4N, 129.6W, H = 33 Km, M = 4.5					
		VANCAUVER IS REG						
		PNS	eL	15 48.2				85.5
AUG	28	USCGS	15 25 51.8, 50.4N, 129.9W, H = 33 Km, M = 5.2					
		VANCAUVER IS REG						
		LPB	eP	15 38 22				85.5
		PNS	P	15 38 27.8		1.0	10	
			S	49 00				
			eL	16 06.9				
		CCH	P	15 38 37.4	C			
AUG	28	USCGS	16 20 06.6, 50.4N, 129.8W, H = 33 Km, M = 5.1					
		VANCAUVER IS REG						
		PNS	P	16 32 41.5	C	0.8	5	
			eL	17 01.3				
		LPB	P	16 32 43				85.6
		CCH	P	16 32 50.9	D			
AUG	28	USCGS	17 36 49.0, 9.0S, 116.6E, H = 33 Km, M = 4.4					
		SUMBAWA IS REG						
		LPB	ePKP	17 56 42				153.9
		PNS	ePKP	17 56 42				
			iPKP2	57 04.9				
		CCH	ePKP	17 56 48.4				
AUG	28	LPB	eP	19 04 08.6				
		CCH	eP	19 04 11.0				
		PNS	P	19 04 12.2	C	0.7	3	
AUG	28	LPB	eP	20 41 47				
		PNS	P	20 41 48.1		0.6	6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	28	USCGS	21 15 35.7, 31.5N, 6.1W, H = 33 Km, M = 4.6					
		MOROCCO						
		LPB	eL	21 52				76.3
		PNS	eL	21 52.2				
AUG	28	PNS	P	21 58 47.5		0.6	3	1.8
			S	59 10				
AUG	28	LPB	eP	22 09 10				
		PNS	P	22 09 11.2		1.0	7	
AUG	29	CCH	eP	00 23 18.0				
		PNS	iP	00 23 21.6	D			1.8
			S	44				
		LPB	P	00 23 23		1.0	16	2.1
			S	48.2				
		CHA	iP	00 23 23.7	C			
AUG	29	CCH	eP	00 56 55.8				
		LPB	P	00 57 08.2		0.9	8	
		PNS	P	00 57 10.9		0.8	6	
AUG	29	CCH	P	01 33 41.2	C			
		PNS	P	01 33 52.5	D	0.5	2	3.2
			S	34 30.4				
		LPB	eP	01 33 35.5				2.4
			S	34 25				
AUG	29	LPB	P	02 48 08.3		0.8	7	
		PNS	P	02 48 09.0	C	0.6	3	2.1
			S	34.6				
		CHA	P	02 48 09.2				
AUG	29	LPB	eP	03 09 31.5				
		PNS	eP	03 09 33.6				
AUG	29	USCGS	03 44 50.4, 33.7N, 137.1E, H = 349 Km, M = 4.1					
		NR S CST OF HONSHU, JAPAN						
		LPB	ePKP	04 03 55.5				151.1
AUG	29	USCGS	03 55 10.0, 36.5S, 71.0W, H = 50 Km, M = 3.9					
		CENTRAL CHILE						
		CCH	P	03 59 33.0				
		LPB	eP	03 59 43				20.1
		PNS	P	03 59 44.2	C	1.4	17	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	29	USCGS	04 43 42.5, 31.9S, 112.3W, H = 33 Km, M = 4.9					
		EASTER IS REG						
		PNS	P	04 51 38.5		1.0	19	
			L	05 04.2				
		LPB	eP	04 51 39		1.0	14	42.3
			L	05 04				
		CCH	P	04 51 48.8	D			
AUG	29	CCH	eP	05 28 23.0				
		PNS	eP	05 28 26.4				
		LPB	eP	05 28 26.7				
AUG	29	LPB	eL	07 47				
		PNS	L	07 47.9				
AUG	29	CCH	PKP	07 12 21.6				
		LPB	P	07 12 27	P	0.6	18	
		CHA	ePKP	07 12 29.2				
		PNS	P	07 12 30.6				
AUG	29	PNS	iP	07 16 13.8	D			1.8
			iS	36				
		LPB	P	07 16 15.2	D	0.5	15	
		CHA	iP	07 16 15.7	D			
AUG	29	CCH	(ePKP)	07 47 33.7				
		PNS	(ePKP)	07 47 36.3				
			ipPKP	54.8				
			L	08 41.3				
		LPB	(ePKP)	07 47 36.5				
			L	08 41				
AUG	29	PNS	P	08 17 29.6		0.5	5	
		LPB	eP	08 17 30.2				
AUG	29	USCGS	09 09 31.0, 35.6N, 140.8E, H = 36 Km, M = 4.0					
		NR E CST OF HONSHU, JAPAN						
		LPB	ePKP	09 29 13				148.1
		PNS	ePKP	09 29 14.6				
AUG	29	LPB	P	10 20 01.3		0.5	7	
		PNS	P	10 20 03.2		0.8	5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	29	USCGS	10 50 09.4, 3.3S, 141.5E, H = 41 Km, M = 5.1					
		NEW GUINEA						
		PNS	iPKP	11 09 45.0	C	0.8	41	
			(pPKP)	10 03.6				
			eL	58.7				
		CCH	PKP	11 09 48.1				
		LPB	iPKP	11 09 45.2	C	1.2	93	144.4
			L	59				
		CHA	PKP	11 09 45.8				
AUG	29	USCGS	13 43 09.0, 31.6S, 112.1W, H = 33 Km, M = 4.8					
		EASTER IS REG						
		PNS	P	13 51 02.8		1.0	10	
			L	14 03.5				42.1
		LPB	eP	13 51 03.5				
			L	14 03.4				
		CCH	eP	13 51 05.3				
AUG	29	PNS	P	14 16 29.1		1.0	6	
AUG	29	USCGS	16 45 01.0, 19.7S, 70.5W, H = 33 Km, M = 4.2					
		NR CST OF N CHILE						
		LPB	P	16 46 00.5		0.5	123	4.0
		PNS	iP	16 46 00.8	D			
			S	48				
		CHA	eP	16 46 02.1				
		CCH	P	16 46 09.7				
AUG	29	PNS	P	18 08 59	D	0.6	4	1.9
			S	09 22.4				
AUG	29	USCGS	18 35 36.0, 31.7S, 70.5W, H = 42 Km, M = 4.4					
		CHILE-ARGENTINA BOR REG						
		LPB	eP	18 39 10.2				14.9
		PNS	P	18 39 13.5		0.9	21	
AUG	29	LPB	eP	19 02 12.7				
		PNS	P	19 02 17.9		0.4	1	1.8
			S	39.8				
AUG	29	PNS	P	19 59 34.3	C	0.6	4	1.9
			S	57				
AUG	29	PNS	P	20 19 01.2		0.6	2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	29	CHA	P	21 11 33.0				
		PNS	P	21 11 39.0		0.5	4	5.0
			S	12 36.8				
		LPB	eP	21 11 42.7				
AUG	29	LPB	eP	23 33 38				
		PNS	P	23 33 42.5				3.4
			S	34 22.6				
AUG	30	CHA	P	00 31 01.8				
		LPB	eP	00 31 02				
		PNS	P	00 31 04.7		0.5	2	
AUG	30	LPB	eP	00 34 22.5				
		CHA	P	00 34 25.2	D			
		PNS	P	00 34 26.0		0.8	4	
AUG	30	CHA	iP	00 53 27.9	C			2.3
			iS	55.4				
		PNS	iP	00 53 31.3	D	0.5	13	1.7
			iS	52.8				
		LPB	P	00 53 32.5				1.8
			iS	55				
AUG	30	PNS	eP	01 14 28.4				
		LPB	eP	01 14 30				
AUG	30	LPB	eP	02 16 25.5				
		PNS	P	02 16 28.8		0.9	3	
		TRJ	eP	02 16 35.0				
AUG	30	LPB	eP	02 18 22				
		CHA	P	02 18 29.5	D			
		PNS	P	02 18 27.0	D	0.7	5	2.0
			iS	51.0				
AUG	30	PNS	P	02 23 00.6				2.8
			eS	34.6				
AUG	30	USCGS	02 06 11.1, 35.6N, 140.0E, H = 72 Km, M = 4.7					
		NR E CST OF HONSHU, JAPAN						
		PNS	ePKP	02 25 47.4		1.0	11	
			eL	03 16.3				148.5
		LPB	PKP	02 25 48.2				
			eL	03 16				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	30	PNS	P	03 58 24.6		0.6	3	3.2
			S	59 02.6				
		LPB	eP	03 58 25.6				
AUG	30	USCGS	04 22 01.5, 31.7N, 100.3E, H = 3 Km, M = 6.1					
		SZECHWAN PROV, CHINA						
		TRJ	ePKP	04 42 02.5				
		PNS	PKP	04 42 05.5		2.3	800	
			PKS	45 40				
			ePP	46 30				
			iPPS	05 00 00				
			eSS	06 49				
			iSSS	13 00				
			eG	22.5				
			eL	38.5				
		LPB	PKP	04 42 05.7		2.2	704	161.1
			ePP	46 30				
			PPS	05 00 00				
			eSS	06 51				
			eL	38				
AUG	30	TRJ	iP	05 01 29.8	C			
			S	03 01.6				
		LPB	iP	05 02 21.5	C	0.7	8	6.3
			S	03 34				
		PNS	iP	05 02 25.7	C	0.5	3	6.5
			eS	03 40				
AUG	30	USCGS	04 57 42.6, 31.7N, 100.3E, H = 33 Km, M = 4.9					
		SZECHWAN PROV, CHINA						
		LPB	ePKP	05 17 29.5				161.1
		PNS	ePKP	05 17 43				
AUG	30	PNS	P	05 40 54.4				
		LPB	eP	05 40 55.3				
AUG	30	LPB	P	06 54 46.5		0.8	4	
		PNS	P	06 54 50.0		0.8	5	
AUG	30	LPB	P	07 22 52		1.2	19	
		PNS	P	07 22 54.0		1.1	6	
AUG	30	LPB	P	08 06 06.3		1.8	4	
		PNS	P	08 06 10.5	C	0.5	3	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	30	USCGS	08 09 40.8, 36.2N, 140.0E, H = 77 Km, M = 4.7					
			NR E CST OF HONSHU, JAPAN					
		PNS	ePKP	08 29 18		1.0	8	
			eL	09 19.9				
		LPB	PKP	08 29 18.5		0.8	12	148.2
AUG	30	PNS	eP	10 41 39.6				
		LPB	eP	10 41 40				
AUG	30	USCGS	11 08 49.6, 31.6N, 100.3E, H = 33 Km, M = 5.1					
			SZECHWAN PROVINCE, CHINA					
		PNS	ePKP	11 28 49.2		1.3	9	
			eSS	53 33				
			eL	12 25.3				
AUG	30	USCGS	11 55 50.5, 30.4S, 178.6W, H = 161 Km, M = 4.8					
			KERMADEC IS REG					
		LPB	eP	12 09 05				97.9
AUG	30	USCGS	13 07 31.8, 5.1S, 151.8E, H = 64 Km, M = 5.0					
			NEW BRITAIN REG					
		PNS	eL	14 11.4				134.9
AUG	30	USCGS	13 33 26.4, 45.4N, 151.5E, H = 33 Km, M = 5.5					
			KURILE IS					
		PNS	P	13 52 47.0	C	1.7	45	
			PKS	56 15.0				
			L	14 38.1				
		LPB	PKP	13 52 48.5		1.1	17	136.3
			ePKS	56 15				
			eL	14 38.9				
AUG	30	PNS	eP	14 27 55				
			e	28 06				
AUG	30	LPB	eP	14 48 00				1.9
		PNS	iP	14 47 00.6	D			
			iS	24				
AUG	30	PNS	P	16 37 12.7		0.4	2	
AUG	30	LPB	eP	17 17 30.5				2.5
		PNS	P	17 17 33.5		0.4	5	
			S	18 04				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	30	USCGS	17 28 09.0, 22.8S, 63.8W, H = 534 Km, M = 4.1					
			SALTA PROVINCE, ARGENTINA					
		LPB	P	17 30 02		1.0	32	7.2
		CHA	iP	17 30 04.2	C			
		PNS	iP	17 30 07.2	C	0.6	25	
			iS	31 40.0				
AUG	30	PNS	eP	19 16 18		0.8	3	
AUG	30	USCGS	20 32 31.7, 33.9N, 136.6E, H = 36 Km, M = 4.5					
			NR S CST OF S HONSHU					
		PNS	ePKP	20 52 20		1.0	7	
			e	25.0				
		LPB	ePKP	20 52 25				151.3
			eL	21 44				
AUG	30	LPB	eP	21 48 34				
		CHA	P	21 48 34.6				
		PNS	P	21 48 38.2		0.8	4	
AUG	31	PNS	P	00 47 38		0.4	5	2.4
			S	48 06.9				
		LPB	P	00 47 39.1				
		CHA	P	00 47 41.5				
AUG	31	LPB	P	01 09 29.2		1.0	22	
		CHA	P	01 09 30.5				
		PNS	P	01 09 31.2		1.0	10	
AUG	31	PNS	iP	01 16 07.5	C	0.6	9	3.6
			iPg	34.5				
			S	49.6				
		CHA	P	01 16 07.9				
		LPB	P	01 16 08.0		0.7	21	
			i	49.7				
AUG	31	LPB	P	02 48 46.7		1.0	10	
		PNS	P	02 48 50.0		0.7	3	
AUG	31	PNS	eP	03 10 44.4				
AUG	31	LPB	P	04 19 31.3		0.8	4	
		PNS	P	04 19 35.8		0.6	3	

ONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
UG	31	PNS	iP	05 37 33.3	D			2.0
			S	57.2				
		LPB	iP	05 37 34.1	D			
		CHA	iP	05 37 34.3	C			
UG	31	LPB	P	06 37 19.8		1.0	4	
		PNS	P	06 37 22.0		0.6	3	
UG	31	PNS	eP	08 07 46				
UG	31	PNS	iP	10 02 04.3	C	0.5	7	
		LPB	eP	10 02 06.9				
		CHA	eP	10 02 08.1				
UG	31	CHA	eP	10 08 03.5				
		LPB	P	10 08 03.9		0.7	4	
		PNS	P	10 08 05.5		0.7	3	
UG	31	LPB	P	10 10 18.6		0.8	9	
		CHA	P	10 10 20.5				
		PNS	P	10 10 22.1		0.7	5	
UG	31	LPB	P	10 33 08.7		1.1	20	
		PNS	P	10 33 08.6		1.2	22	
			i	18.2				
UG	31	CHA	P	12 40 23.0	D			
		LPB	P	12 40 23.7	C	1.0	24	
		PNS	iP	12 40 24.6	C	0.7	11	7.8
			S	41 53				
		TRJ	iP	12 39 25.2	D			
UG	31	USCGS	13 38 50.7, 18.3N, 121.3E, H = 99 Km, M = 4.8					
		LUZON, PHILIPPINE IS						
		LPB	ePKP	13 58 44				170.5
		PNS	ePKP	13 58 44				
UG	31	USCGS	14 06 36.5, 10.3S, 78.1W, H = 62 Km, M = 5.0					
		NR CST OF PERU						
		PNS	P	14 09 16.0		0.8	4	
			S	11 17				
		LPB	eP	14 09 17.5				11.0
UG	31	TRJ	P	14 34 21.7	C			2.2
		LPB	eP	14 35 38.1				
			S	36 04.1				
		PNS	iP	14 35 39.3	D	0.5	4	2.8
			iS	36 12.1				
		CHA	P	14 35 40.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	31	PNS	eP	15 16 44.5				
AUG	31	TRJ	eP	15 20 57.4				
		CHA	P	15 21 20.6				
		PNS	eP	15 21 28				
			S	22 26				5.
AUG	31	USCGS	15 17 14.6, 18.7N, 146.3E, H = 591 Km, M = 4.6					
		MARIANA IS						
		PNS	ePKP	15 35 53.3		0.9	5	
			eL	16 26.5				
		LPB	ePKP	15 35 54				148.3
AUG	31	PNS	eP	16 37 23				3.4
			eS	38 03.8				
AUG	31	PNS	P	17 00 04.8		1.0	12	
AUG	31	LPB	eP	17 08 56				
		PNS	P	17 08 57.5	D	0.6	4	1.9
			S	09 20.5				
AUG	31	USCGS	18 28 31.0, 25.7N, 141.5E, H = 80 Km, M = 4.1					
		VOLCANO IS REG						
		LPB	ePKP	18 48 17.2				150.9
		PNS	ePKP	18 48 17.7				
AUG	31	PNS	eP	19 19 14.4				
		LPB	eP	19 19 14.5				
AUG	31	USCGS	18 53 25.2, 17.5S, 175.2W, H = 277 Km, M = 5.4					
		TONGA IS						
		PNS	eP	19 06 44.6		1.2	11	
			ePP	10 50				
			eL	40.6				
		LPB	P	19 10 46				100.2
			PP	10 57				
AUG	31	LPB	eP	20 08 00.5				
		PNS	P	20 08 14.1		0.5	2	
AUG	31	LPB	eP	21 19 30.5				
		PNS	eP	21 19 32				9.
			S	21 16				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	31	LPB	eP	21 28 21.7				
		PNS	eP	21 28 26.5				
AUG	31	LPB	eP	22 39 45.7				
		PNS	P	22 39 46		0.8	5	
AUG	31	LPB	eP	23 58 41.4				
		PNS	P	23 58 42.6				
		CHA	eP	23 58 43.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	1	PNS	iP	00 17 42.6	D	0.4	6	
		CHA	P	00 17 44.0	D			
		LPB	eP	00 17 48.6				
SEP	1	LPB	P	01 09 21.5		0.8	7	7.2
			i	10 42.5				
		CHA	P	01 09 22.3				
		PNS	iP	01 09 22.5	C	0.5	5	8.6
			S	11 00				
SEP	1	LPB	eP	01 30 03.5				
		CHA	P	01 30 05.9				
		PNS	P	01 30 06.3		0.6	3	
SEP	1	USCGS	02 49 18.3, 6.9N, 73.0W, H = 151 Km, M = 4.6					
		N COLOMBIA						
		PNS	iP	02 54 15.5	C	0.6	38	
			iPP	49.4				
			eL	03 00.7				
		CHA	P	02 54 16.2	D			
		LPB	P	02 54 18.5	C	1.0	42	23.4
			iPP	52.5				
			eL	03 00				
SEP	1	USCGS	03 31 10.5, 5.6S, 147.2E, H = 182 Km, M = 5.6					
		E NEW GUINEA REG						
		PNS	iPKP	03 50 08.4	C	1.5	82	
			i	19.0				
			iPP	53 08.2				
			iPKS	35.2				
			eL	04 36.8				
		LPB	PKP	03 50 08.7		1.2	25	138.5
			i	19.2				
			PP	53 10				
			eL	04 36.9				
		CHA	PKP	03 50 09.3				
SEP	1	USCGS	07 06 22.0, 34.4S, 179.0E, H = 33 Km, M = 4.7					
		S OF KERMADEC IS						
		PNS	eP	07 19 53.7				97.8
SEP	1	LPB	eP	08 05 04				
		PNS	P	08 05 04.8		1.0	2	
SEP	1	LPB	P	08 19 16.5		1.2	37	
		CHA	P	08 19 18.4				
		PNS	P	08 19 19.1	C	0.8	16	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	1	USCGS NEW HEBRIDES IS	08 55 36.6, 18.9S, 169.4E, H = 242 Km, M = 4.9					
		LPB	ePKP	09 14 15				113.4
			eL	49				
		PNS	eL	09 49.6				
SEP	1	LPB	eP	10 12 05.7				
		PNS	P	10 12 06.6	C	0.6	6	
SEP	1	USCGS W CHILE RISE	14 53 55.0, 44.1S, 82.1W, H = 33 Km, M = 5.2					
		TRJ	eP	14 59 34.5				29.7
		LPB	eP	15 00 03		1.3	19	
			L	08.3				
		PNS	P	15 00 04.6	C	1.6	65	
SEP	1	LPB	eP	16 34 52.5				
		PNS	P	16 34 54.4		0.6	5	
SEP	1	TRJ	P	17 31 13.8				
		LPB	eP	17 31 35.7		1.0	30	
		PNS	P	17 31 39.3	D	1.4	54	7.3
			S	33 02.8				
SEP	1	PNS	eP	21 25 22				12.6
			eS	27 42				
SEP	1	LPB	P	22 48 27		0.7	8	
		CHA	eP	22 48 27.6				
		PNS	eP	22 48 31				
SEP	1	USCGS KURILE IS	22 42 01.8, 44.9N, 147.0E, H = 134 Km, M = 5.4					
		CHA	ePKP	23 01 06.8				
		PNS	ePKP	23 01 07				
			PKP2	16.0				
			PKS	04 37.5				
			L	47.7				139.4
		LPB	PKP	23 01 10				
			PKP2	16.5				
			PKS	04 38				
SEP	1	PNS	eP	23 44 49.2				
		LPB	eP	23 44 50.5				
SEP	1	USCGS S OF KERMADEC IS	23 38 51.7, 33.8S, 178.6W, H = 26 Km, M = 4.6					

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		LPB	eP	23 52 22.5				96.8
			eL	24 25.6				
		PNS	eP	23 52 23.3				
			eSS	24 03				
			eL	25.2				
SEP	1	LPB	eP	23 53 09				
		PNS	P	23 53 13.0		0.8	4	5.1
			eS	54 12				
SEP	2	PNS	iP	00 18 03.5	D	0.5	8	2.4
			S	33				
		LPB	eP	00 18 06.5				
		CHA	iP	00 18 06.6	D			
SEP	2	USCGS S OF KERMADEC IS	01 24 22.4, 33.7S, 178.8W, H = 129 Km, M = 4.7					
		LPB	eP	01 37 25				96.8
			eL	02 01				
		PNS	eSKS	01 48 30				
			L	02 10.4				
SEP	2	LPB	P	03 19 42.7	D	0.9	12	
		PNS	P	03 19 42.8		0.6	3	2.1
			S	20 07.4				
		CHA	P	03 19 43.7				
SEP	2	USCGS S OF TONGA IS	03 10 56.0, 24.0S, 175.9W, H = 65 Km, M = 4.3					
		LPB	eL	03 57				98.5
		PNS	eL	03 57.8				
SEP	2	USCGS JAN MAYEN IS REG	03 46 13.9, 71.6N, 8.2W, H = 33 Km, M = 4.4					
		PNS	eP	03 59 37				95.8
			eL	04 32.1				
SEP	2	LPB	P	04 23 21.3		1.0	54	
SEP	2	LPB	eP	05 00 46				
		CHA	P	05 00 47.4				
		PNS	eP	05 00 49		0.8	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	2	USCGS	04 51 21.3, 34.2N, 139.2E, H = 33 Km, M = 4.5					
		NR S CST OF HOSNHU, JAPAN						
		LPB	ePKP	05 11 06				149.9
			eL	06 03				
		PNS	ePKP	05 11 07				
			eL	06 02.5				
SEP	2	LPB	eP	07 41 14				
			i	39.5				
		PNS	P	07 41 21.8				
		CHA	eP	07 41 23.7				
SEP	2	TRJ	iP	07 56 29.2	C			2.4
			S	58.2				
SEP	2	USCGS	10 04 07.6, 41.1N, 111.6W, H = 6 Km,					
		UTAH						
		LPB	eP	10 15 15				69.8
			eL	38				
		PNS	eL	10 37.8				
SEP	2	LPB	P	10 23 54		0.9	10	
		PNS	eP	10 23 54.8				
		CHA	P	10 23 55.5	D			
SEP	2	LPB	P	12 06 24.3		0.9	24	
		PNS	P	12 06 25.9		0.9	5	
SEP	2	USCGS	12 17 12.0, 24.6S, 71.4W, H = 33 Km, M = 4.6					
		OFF CST OF N CHILE						
		LPB	eP	12 19 17				8.5
		PNS	P	12 19 20.9	C	0.6	3	
			PPP	37.4				
SEP	2	LPB	eP	13 15 36				
		PNS	iP	13 15 37.8	D	0.6	15	1.9
			S	16 00.4				
		CHA	P	13 15 39.2	D			
SEP	2	PNS	iP	13 50 09.8	D	0.4	4	1.8
			S	32				
		LPB	eP	13 50 11.6				
		CHA	P	13 50 12.1				
SEP	2	PNS	eP	14 21 34				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	2	LPB	eP	17 59 02				
		PNS	eP	17 59 04.5				
SEP	2	LPB	eP	18 45 12.3				
		PNS	P	18 45 16.6		0.8	5	
SEP	2	PNS	P	18 52 30.6		1.0	6	
		LPB	eP	18 52 32.5				
SEP	2	PNS	P	20 01 09.4		0.7	7	2.7
			S	41				
		LPB	eP	20 01 10				
SEP	3	PNS	eP	00 25 18				4.3
			S	26 07.6				
		LPB	eP	00 25 22				
SEP	3	USCGS	00 18 03.1, 24.4N, 121.9E, H = 54 Km, M = 4.9					
		TAIWAN						
		PNS	ePKP	00 38 06.6				
			eSS	01 03 43				
			eL	37.3				
		LPB	ePKP	00 38 07				167.4
			eL	01 37				
SEP	3	LPB	eP	00 41 11.1		1.0	10	
			e(S)	43 25.5				
		PNS	eP	00 41 11.2				
			e(S)	43 18				
SEP	3	USCGS	01 23 12.6, 7.8S, 147.1E, H = 139 Km, M = 5.4					
		E NEW GUINEA REG						
		PNS	ePKP	01 42 19		0.8	5	
			i	43 22				
			iPKS	45 43.7				
			eSS	02 02 08				
		LPB	ePKP	01 42 25.3				137.7
			eL	02 29				
		TRJ	ePKP	01 42 29.9				
SEP	3	PNS	eP	02 37 14.2				
SEP	3	LPB	eP	04 27 28				
		PNS	eP	04 27 57.6				
SEP	3	TRJ	eP	04 30 56.6				
		PNS	eP	04 31 10.5				
			e(S)	32 44				
		LPB	eP	04 31 11				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	3	USCGS	04 45 57.0, 31.0N, 129.8E, H = 165 Km, M = 4.6					
		KYUSHU, JAPAN						
		LPB	ePKP	05 05 34				157.9
			eL	06 01				
		PNS	pPKP	05 06 09.2				
SEP	3	LPB	eP	05 04 16.5				
		PNS	P	05 44 17.3		0.8	4	
SEP	3	USCGS	06 42 21.0, 34.4S, 101.1W, H = 33 Km, M = 4.2					
		W CHILE RISE						
		PNS	P	06 49 07.8		1.0	10	
			eS	54 29				
			SSS	57 29				
			L	59.1				
		LPB	P	06 49 09		1.0	8	34.1
			eSSS	57 32				
			L	59				
SEP	3	PNS	eP	08 21 49				
SEP	3	USCGS	09 09 18.0, 61.4S, 55.7W, H = 27 Km, M = 4.9					
		S SHELTLAND IS						
		LPB	P	09 17 38.5		0.6	70	45.9
			eL	31.4				
		PNS	P	09 17 41.1	D	1.0	16	
			eL	31.5				
SEP	3	PNS	P	09 23 04.7		1.0	6	
SEP	3	USCGS	12 08 09.9, 26.1S, 70.9W, H = 66 Km, M = 4.2					
		NEAR CST OF N CHILE						
		TRJ	eP	12 09 53.9				
		LPB	eP	12 10 31.5		0.9	12	9.9
		PNS	P	12 10 33.5	C	0.7	4	
			iPPP	51.9				
			S	12 12				
SEP	3	USCGS	14 32 38.0, 6.9N, 72.8W, H = 187 Km, M = 4.1					
		N COLOMBIA						
		LPB	eP	14 37 31.5				23.4
			eL	44				
		PNS	P	14 37 32.2		0.6	5	
SEP	3	LPB	eP	14 50 56.5				
		PNS	iP	14 50 57.4	C	0.5	6	1.9
			S	51 20.0				
		CHA	P	14 51 00.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	3	TRJ	P	16 39 45.8	C			
		LPB	P	16 40 04.5		0.6	5	
		PNS	P	16 40 06.4		0.6	2	
SEP	3	USCGS	17 02 07.0, 6.9N, 72.9W, H = 173 Km, M = 4.0					
		N COLOMBIA						
		PNS	P	17 07 02.6	C	0.7	7	
		LPB	P	17 07 05.8				23.4
			eL	13				
SEP	3	PNS	P	19 59 36.5		0.7	3	
SEP	3	USCGS	21 07 30.8, 10.6S, 79.8W, H = 38 Km, M = 6.5					
		OFF CST OF PERU						
		PNS	iP	21 10 25.9	C			
		LPB	eP	21 10 28.5				12.4
		CHA	eP	21 10 28.6				
			i	31.9				
SEP	3	LPB	eP	21 46 21.5				
		PNS	eP	21 46 22.9				
SEP	3	PNS	P	22 04 29.0	C	1.0	10	
		LPB	eP	22 04 30				
SEP	4	PNS	P	00 15 28.8				
SEP	4	PNS	eP	00 19 56.6				
		LPB	eP	00 19 58.6				
SEP	4	LPB	eP	01 14 05				
		PNS	eP	01 14 10				
SEP	4	USCGS	02 12 40.7, 44.9N, 111.7W, H = 33 Km,					
		HEBGEN LAKE REG						
		LPB	eP	02 24 04				72.9
		PNS	eP	02 24 06.4				
SEP	4	PNS	eP	02 27 31.6				4.7
			iS	28 26				
		LPB	eP	02 27 33.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	4	USCGS		03 17 48.0, 19.5S, 67.8W, H = 207 Km, M = 3.7				
		S BOLIVIA						
		LPB	iP	03 18 38.8	C	0.8	199	3.1
			iS	19 14.3				
		PNS	iP	03 18 42.4	C			
			iS	19 20.0				
		TRJ	P	03 18 44.4	C			
			S	19 35.2				
SEP	4	USCGS		03 18 52.2, 1.3S, 23.9W, H = 33 Km, M = 4.7				
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	eP	03 27 17		1.0	18	46.1
			SKS	37 34				
			eL	03 41.2				
		PNS	eP	03 27 17.8		0.9	7	
SEP	4	USCGS		03 51 58.9, 31.4S, 179.4W, H = 231 Km, M = 5.5				
		KERMADEC IS						
		LPB	eP	04 05 11				98.5
			eL	38				
		PNS	eP	04 05 11				
SEP	4	USCGS		05 32 15.3, 10.4S, 79.3W, H = 46 Km, M = 4.7				
		OFF CST OF PERU						
		PNS	eP	05 35 08.5				12.2
		LPB	eP	05 35 12				
			eL	38.6				
SEP	4	LPB	eP	05 45 00				
		PNS	P	05 45 02.2		0.7	3	
SEP	4	USCGS		06 15 17.0, 33.7N, 137.6E, H = 330 Km, M = 3.8				
		NR S CST OF HONSHU, JAPAN						
		PNS	ePKP	06 34 32				151.1
SEP	4	TRJ	P	06 39 24.1	C			
		LPB	eP	06 39 43				
		PNS	eP	06 39 44.3				
SEP	4	PNS	P	07 02 21.5		0.5	3	
		LPB	eP	07 02 23				
SEP	4	PNS	P	07 42 20.9	D	0.4	2	2.2
			S	46.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	4	PNS	eP	08 05 21				3.2
			S	59				
		LPB	eP	08 05 21.5				3.1
			S	58				
SEP	4	PNS	P	08 44 33.5	D	0.4	2	
		LPB	eP	08 44 35				
SEP	4	LPB	P	09 02 02.7		0.8	12	
		PNS	P	09 03 11.1	D	0.4	4	2.6
			S	42.2				
SEP	4	TRJ	iP	10 33 29.7	C			2.8
			S	34 02.3				
		LPB	P	10 34 10.4	C	0.7	15	
		PNS	iP	10 34 14.0	C	0.6	20	
SEP	4	TRJ	iP	12 19 57.5	D			2.9
			S	20 31.3				
		LPB	eP	12 20 14.8				
		PNS	iP	12 20 19.6	C	0.5	12	4.4
			S	21 10.2				
SEP	4	USCGS		13 00 11.3, 4.7S, 153.2E, H = 70 Km, M = 4.6				
		NEW IRELAND REG						
		PNS	ePKP	13 19 24				133.5
SEP	4	LPB	eP	13 22 45				
		PNS	P	13 22 50.5		1.2	12	
SEP	4	PNS	iP	14 12 40.8	C	0.7	8	
		LPB	eP	14 12 44.5		1.0	12	
SEP	4	USCGS		16 06 09.0, 9.2S, 77.3W, H = 33 Km, M = 4.8				
		PERU						
		PNS	eP	16 08 48.8				
			i	13.1				
		LPB	eP	16 08 51				11.2
SEP	4	LPB	eP	16 34 50.5				
		PNS	P	16 34 55.5		0.5	6	3.1
			S	35 31.8				
SEP	4	USCGS		17 48 30.6, 35.5N, 140.9E, H = 23 Km, M = 4.4				
		NR E CST OF HONSHU, JAPAN						
		PNS	ePKP	18 08 14		0.7	3	
		LPB	ePKP	18 08 17				148.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	4	USCGS	18 01 32.7, 8.8S, 157.7E, H = 33 Km, M = 5.2					
		SOLOMON IS						
		PNS	ePKP	18 20 39.2		0.8	3	
			eL	19 02.5				
		LPB	ePKP	18 20 40				128.0
SEP	4	USCGS	18 48 51.0, 7.8S, 157.0E, H = 33 Km,					
		SOLOMON IS						
		PNS	ePKP	19 08 01.5				129.2
SEP	4	USCGS	19 30 13.7, 54.8N, 159.1E, H = 182 Km, M = 4.6					
		NR E CST OF KAMCHATKA						
		PNS	PKP	19 48 59.0	C	0.6	4	127.4
SEP	4	USCGS	22 06 13.0, 28.3S, 63.1W, H = 604 Km, M = 4.6					
		SANTIAGO DE ESTERO PROV, ARGENTINA						
		CHA	P	22 08 57.8				
		LPB	eP	22 08 58.2		1.1	52	12.1
			eL	12				
		PNS	P	22 09 01.8	D	0.9	43	
			S	11 17.7				
SEP	5	PNS	iP	02 03 44.9	D	0.4	7	1.9
			S	04 08				
		LPB	eP	02 03 45.8				
SEP	5	USCGS	03 39 55.9, 4.4S, 144.8E, H = 27 Km, M = 5.1					
		NR N CST OF NEW GUINEA						
		LPB	ePKP	03 59 26.5				140.9
			eL	04 46				
		PNS	ePKP	03 59 29				
			eL	04 47				
SEP	5	PNS	P	05 25 49.7				
		LPB	eP	05 25 50				
SEP	5	USCGS	05 24 38.0, 9.8N, 79.1W, H = 109 Km, M = 4.0					
		PANAMA						
		LPB	eP	05 30 18				28.3
		PNS	eP	05 30 19.2				
			eL	38.1				
SEP	5	LPB	eP	06 25 19.3				
		PNS	P	06 25 15.3		0.8	4	4.7
			S	26 09				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	5	LPB	eP	08 48 25.6				
		PNS	eP	08 48 33.6				1.5
			S	53				
SEP	5	LPB	eP	10 52 02				
		PNS	P	10 52 02.7		1.0	14	
SEP	5	PNS	P	10 56 32.4	C	1.0	9	
		LPB	eP	10 56 30.5				
SEP	5	PNS	iP	13 27 10.9	D	0.6	14	1.9
			S	33.5				
		CHA	iP	13 27 12.2	D			
		LPB	eP	13 27 15.7				2.0
			S	39.3				
SEP	5	USCGS	13 27 31.9, 23.9S, 70.7W, H = 41 Km, M = 4.1					
		NR CST OF N CHILE						
		LPB	eP	13 29 28				7.7
			PP	39.5				
		PNS	P	13 29 28.1		0.5	3	
			iPP	39.8				
			S	31 20				
		TPJ	P	13 29 01.3				
SEP	5	PNS	P	15 17 14.6		0.9	17	4.8
			S	18 10				
		CHA	eP	15 17 17.9				
		LPB	eP	15 17 21		0.7	10	
SEP	5	PNS	P	16 38 33.6				
SEP	5	USCGS	16 31 05.0, 12.4N, 140.7E, H = 35 Km, M = 4.8					
		CAROLINE IS						
		PNS	ePKP	16 50 53				
			i	58.3				
			eL	17 42.8				
		LPB	P	16 50 56.7		1.0	6	151.1
			eL	17 42				
SEP	5	PNS	iP	19 39 14.7	D	0.5	10	1.8
			iS	37.0				
		LPB	eP	19 39 15.5				2.1
			S	40.3				
		CHA	P	19 39 15.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	5	PNS	P	20 49 04.2	C	0.7	4	1.9
			iS	26.9				
SEP	6	CHA	eP	00 51 55.5				
		LPB	P	00 51 57.5		1.0	14	
		PNS	iP	00 51 58.4	C	0.9	26	
SEP	6	LPB	P	01 59 44.7		0.9	5	
		CHA	eP	01 59 46.2				
		PNS	P	01 59 47.8		0.5	2	
SEP	6	USCGS	01 43 31.8, 24.1N, 91.7E, H = 18 Km, M = 5.0					
		INDIAN-B PAKISTAN BORDER REG						
		LPB	ePKP	02 03 29.5				159.8
			PKP2	04 19.3				
			eL	59				
		PNS	ePKP	02 03 33.5				
			i	04 11.5				
			PKP2	21				
SEP	6	LPB	eP	02 59 26				
		PNS	P	02 59 27.8	C	0.7	2	
SEP	6	USCGS	03 19 12.0, 46.7N, 154.0E, H = 33 Km, M = 4.8					
		KURILE IS REG						
		PNS	ePKP	03 38 28.3				133.7
SEP	6	TRJ	iP	04 41 37.1	C			2.6
			S	42 08.1				
		LPB	P	04 42 09		0.6	11	5.0
			S	43 06.2				
		CHA	P	04 42 10.0				
		PNS	iP	04 42 12.4	C	0.6	7	5.1
			S	43 11.6				
SEP	6	USCGS	04 44 55.9, 6.5S, 129.7E, H = 139 Km, M = 5.2					
		BANDA SEA						
		TRJ	PKP	05 04 26.6	D			
		CHA	PKP	05 04 35.5				
		LPB	PKP	05 04 35.8		1.0	24	150.7
			L	06 03				
		PNS	PKP	05 04 36.2		1.0	15	
			i	05 20.9				
			eL	06 56.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	6	USCGS	04 59 24.7, 35.0N, 23.0E, H = 33 Km, M = 4.8					
		CRETE						
		LPB	eL	05 47				100.1
		PNS	eL	05 47.2				
SEP	6	PNS	P	06 25 27		0.8	3	
			L	45.6				
		LPB	eP	06 25 27.5				
			L	45.7				
SEP	6	PNS	iP	06 40 40.6	D	0.6	9	
		CHA	iP	06 40 42.6	D			
		LPB	P	06 40 43				
SEP	6	USCGS	07 30 10.8, 14.7N, 93.6E, H = 33 Km, M = 5.6					
		ANDAMAN IS REG						
		CHA	PKP	07 50 11.3				
			i	57.9				
		TRJ	ePKP	07 50 06.0				
		LPB	PKP	07 50 12.2		1.5	121	162.4
			pPKP	24.5				
			eSS	08 15 27				
			eL	47				
		PNS	PKP	07 50 12.8		1.6	69	
			ipPKP	25.1				
			iPKP2	51 00.4				
			ePP	54 44				
			eSS	08 15 06				
			eL	47.2				
SEP	6	USCGS	08 01 31.5, 38.6N, 141.0E, H = 66 Km, M = 4.5					
		NR E CST OF HONSHU, JAPAN						
		PNS	PKP	08 21 06.9	C	1.5	30	
		CHA	PKP	08 21 07.2				
		LPB	P	08 21 08.5	D	1.0	32	146.0
SEP	6	TRJ	P	11 44 57.0	C			
		PNS	P	11 45 27.5		0.5	2	
SEP	6	PNS	P	14 16 31.2		0.5	3	12.0
			S	18 45				
SEP	6	USCGS	17 24 40.1, 52.6N, 168.5W, H = 33 Km, M = 4.8					
		FOX IS, ALEUTIAN IS						
		PNS	eL	18 23.2				
		LPB	eL	18 24				123.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	6	PNS	iP	17 52 03.0	C			1.8
			iS	25.0				
		LPB	iP	17 52 05.5	C			
SEP	6	PNS	eP	18 34 57.4				
SEP	6	USCGS	19 44 07.9, 5.2S, 151.7E, H = 74 Km, M = 5.1					
		NEW BRITAIN REG						
		PNS	PKP	20 03 22.7		0.7	11	135.0
		LPB	PKP	20 03 23				
SEP	6	PNS	P	20 40 52.6		0.4	3	7.2
			i	57.6				
			S	42 14				
		LPB	eP	20 40 52.8				
SEP	7	PNS	iP	00 29 11.3	C	0.6	2	1.8
			iS	33.4				
		CHA	P	00 29 12.5				
SEP	7	USCGS	01 59 58.1, 31.3N, 114.4W, H = 11 Km,					
		GULF OF CALIFORNIA						
		PNS	P	02 10 40.8				
			eL	31.4				65.0
		LPB	eP	02 10 41.3				
			eL	32				
SEP	7	LPB	P	06 26 43.3		0.8	4	2.2
			e(S)	27 09				
		PNS	P	06 26 43.4	C	0.7	7	2.2
			S	27 09				
		CHA	P	06 26 43.6	C			
SEP	7	USCGS	07 12 36.6, 2.7N, 124.3E, H = 274 Km, M = 5.8					
		CELEBES SEA						
		CHA	eP	07 32 07.7				
		PNS	iPKP	07 32 08.3	D	1.6	296	
			i	31.4				
			PKP2	35.2				
			PKS	35 26				
			PP	36 37				
			SSP	57 28				
			eG	08 13.7				
			eL	28.6				161.(
		LPB	PKP	07 32 08.4	D	1.5	495	
			PKP2	55.2				
			PKS	35 25.7				
			PP	36 34				
			SSP	57 28				
			eL	08 28				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	7	USCGS	09 34 12.1, 30.5S, 177.6W, H = 27 Km, M = 4.7					
		KERMADEC IS REG						
		LPB	eP	09 47 30				97.1
		PNS	P	09 47 40.9				
			eL	10 20.5				
SEP	7	USCGS	11 08 13.6, 31.3S, 179.6E, H = 430 Km, M = 5.1					
		KERMADEC IS						
		LPB	eSS	11 31 10				98.5
		PNS	eSS	11 32 26				
			eL	54.5				
SEP	7	LPB	eP	12 10 41.4				
		PNS	P	12 10 46.4	D	0.8	13	
		CHA	eP	12 10 47.0				
SEP	7	LPB	eP	13 39 10.5				
		PNS	P	13 39 11.6		0.4	2	
SEP	7	PNS	eP	13 55 59				
		LPB	eP	13 56 01.5				
SEP	7	USCGS	14 07 50.0, 21.5N, 144.0E, H = 126 Km, M = 4.5					
		MARIANA IS REG						
		PNS	PKP	14 27 22.5				149.0
SEP	7	LPB	eP	15 18 20.4				
		PNS	P	15 18 21.6		0.6	3	
SEP	7	USCGS	15 24 47.0, 7.6S, 128.3E, H = 152 Km, M = 4.6					
		BANDA SEA						
		PNS	PKP	15 44 24.3		0.9	6	
			eL	16 35.9				
		LPB	ePKP	15 44 25				151.0
			eL	16 36				
SEP	7	PNS	eP	16 37 41				4.0
			PP	52				
			eS	38 27.6				
		SCS	eP	16 37 57.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	7	SCS	eP	18 09 08.2				
		LPB	eP	18 09 09		0.5	15	
		PNS	iP	18 09 10.3	D	0.6	10	
		CHA	iP	18 09 11.1	C			
SEP	7	PNS	iP	19 26 32,2	D			1.9
			iS	55.0				
		LPB	P	19 26 33.3		0.7	11	
		CHA	iP	19 26 33.6	C			
SEP	7	PNS	eP	21 40 10.3				
		LPB	eP	21 40 11				
SEP	7	LPB	eP	23 20 10.2				
		PNS	P	23 20 11.3		0.4	2	
SEP	8	USCGS	02 04 49.1, 40.7N, 20.2E, H = 30 Km, M = 4.7					
		GREECE ALBANIA BORDER REG						
		LPB	eP	02 18 14				99.6
			eL	53				
SEP	8	PNS	eP	02 52 23.4				
		LPB	P	02 52 25		1.0	7	
		SCS	eP	02 52 33.2				
		CCH	eP	02 52 33.9				
SEP	8	USCGS	03 36 13.4, 6.9S, 127.4E, H = 107 Km, M = 5.6					
		BANDA SEA						
		SCS	PKP	03 55 50.4	D			
			i	55.0				
		PNS	PKP	03 55 51.9	C	1.0	10	
			i	57.6				
		LPB	PKP	03 55 52.0	C	1.0	16	150.8
			i	57.8				
			PKP2	56 03.2				
		CCH	PKP	03 55 52.8				
			i	58.7				
		CHA	ePKP	03 55 57.5	C			
			i	59.4				
SEP	8	USCGS	05 23 41.0, 38.4N, 70.5E, H = 14 Km, M = 4.9					
		AFGHANISTAN-USSR BOR REG						
		PNS	ePKP	05 43 06				137.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIS
SEP	8	USCGS	08 06 56.2, 34.2S, 71.4W, H = 33 Km, M = 4.8					
		NR CST OF CENTRAL CHILE						
		CCH	P	08 10 58.9				
		LPB	P	08 11 05		1.0	18	18
			i	18.8				
		CHA	P	08 11 05.3				
		PNS	P	08 11 07.0		1.2	20	
			i	20.2				
			eS	14 23				
SEP	8	USCGS	08 59 59.3, 23.4S, 70.7W, H = 33 Km, M = 5.5					
		NR CST OF N CHILE						
		LPB	P	09 01 47.3	C	0.7	155	7.
			S	03 12				
			L	04.3				
		CCH	iP	09 01 48.3	D			
		PNS	P	09 01 48.6	C			
			iS	03 14				
			L	03.7				
			i	04				
		CHA	iP	09 01 50.1	C			
SEP	8	LPB	eP	13 26 21				
		PNS	P	13 26 22.7	C	0.5	3	2
			iS	50.0				
SEP	8	PNS	P	14 20 36.5				
			i	59.7				
SEP	8	PNS	iP	14 29 55.5	D	0.6	14	2.
			S	30 20				
SEP	8	LPB	eP	15 45 05				
		PNS	P	15 45 12.0		0.4	4	2.
			S	40				
		CHA	P	15 45 15.3				2.
			S	48.2				
SEP	8	LPB	eP	16 37 31.6				
		PNS	P	16 37 37.7		0.6	3	
SEP	8	PNS	iP	18 01 03.8	D			2.
			S	28				
		LPB	iP	18 01 04.8	D	1.0	150	2.
			iS	32				
		CHA	iP	18 01 05.4	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	8	CCH	eP	20 53 10.1		1.0	64	
		LPB	P	20 53 10.8				
		CHA	eP	20 53 11.0				
		PNS	iP	20 53 12.4	C	0.7	37	4.0
			eS	59				
SEP	8	USCGS	22 01 43.8, 12.2N, 140.7E, H = 33 Km, M = 4.8					
		W CAROLINE IS						
		PNS	PKP	22 21 37.4		1.0	17	
		LPB	ePKP	22 21 38		1.0	22	151.1
SEP	8	USCGS	22 37 39.5, 12.2N, 140.8E, H = 27 Km, M = 5.3					
		W CAROLINE IS						
		PNS	PKP	22 57 29.8	C	1.2	24	
			(pPKP)	35.6				
			PKP2	43.6				
			PP	23 01 15.3				
			eSKS	04 34				
			eL	49				
		LPB	PKP	22 57 30.3	C	1.2	31	151.1
			(pPKP)	36.2				
			PKP2	43				
			eL	23 49				
		CHA	PKP	22 57 35.1				
		CCH	ePKP	22 57 38.7				
SEP	8	PNS	P	23 04 38.4		0.9	8	
		LPB	P	23 04 39		0.9	14	
SEP	9	PNS	iP	02 20 33.5	C			3.9
			S	21 18.6				
		CHA	iP	02 20 37.4	C			
		LPB	iP	02 20 39.4	C	1.0	80	
			i	21 27.6				
		CCH	P	02 21 05.0	D			
SEP	9	USCGS	03 15 13.0, 53.4N, 167.5W, H = 33 Km, M = 4.1					
		FOX IS, ALEUTIAN IS						
		LPB	eP	03 24 33				108.9
SEP	9	PNS	P	03 49 49.7		0.4	6	
		CHA	P	03 49 50.9				
		LPB	eP	03 49 51.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	9	USCGS	05 33 05.3, 15.8N, 144.8E, H = 42 Km, M = 4.3					
		MARIANA IS REG						
		PNS	eP	05 52 50				
		LPB	ePKP	05 52 51.8				148.3
			eL	06 43				
SEP	9	PNS	P	06 16 47.5				
		LPB	P	06 16 48.4		1.1	10	
SEP	9	USCGS	06 15 01.6, 12.3N, 140.7E, H = 25 Km, M = 4.5					
		W CAROLINE IS						
		PNS	PKP	06 34 52.0		1.2	10	
			i	58.0				
		LPB	PKP	06 34 52.6				151.1
			i	58.7				
SEP	9	PNS	eP	06 39 02.8				
		LPB	eP	06 39 03.6				
SEP	9	PNS	P	06 53 31.3		0.9	7	
		LPB	P	06 53 32		1.0	8	
SEP	9	LPB	eP	08 12 42.5				
		CHA	P	08 12 49.0	D			2.3
			S	13 16.9				
		PNS	P	08 12 55.3	D	0.9	12	2.6
			S	13 26				
SEP	9	LPB	eP	08 37 02.3				
		PNS	eP	08 37 05.3				
SEP	9	USCGS	08 37 50.4, 18.0N, 145.5E, H = 241 Km, M = 5.2					
		MARIANA IS						
		PNS	PKP	08 57 05.4		1.0	15	
		CHA	P	08 57 07.3				
			i	10.8				
		LPB	PKP	08 57 07.5	C	1.0	28	147.7
			i	11.1				
			eL	09 48				
		CCH	PKP	08 57 07.8				
SEP	9	LPB	eP	09 41 53				
		PNS	P	09 41 58.9		0.7	2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	9	USCGS	10 06 44.1, 27.7S, 63.1W, H = 578 Km, M = 5.8					
		SANTIAGO DEL ESTERO PROV, ARGENTINA						
		CCH	iP	10 09 08.9	D			
		LPB	iP	10 09 24.6	C	1.0	194	12.1
			iS	11 37				
		CHA	iP	10 09 25.2	C			
		PNS	iP	10 09 28.1	C			
			i	11 20.0				
			iS	40.0				
SEP	9	LPB	P	10 52 35.7		1.3	30	
		PNS	P	10 52 36.2		1.5	101	
SEP	9	PNS	iP	12 56 36.6	D	0.5	5	1.9
			S	59.9				
SEP	9	LPB	eP	14 05 06.8				
		PNS	P	14 05 10.5		0.5	5	
SEP	9	USCGS	14 43 57.7, 12.3N, 140.7E, H = 33 Km, M = 5.4					
		W CAROLINE IS						
		PNS	ePKP	15 03 46		1.6	32	
			i	52.3				
			eSS	26 50				
			eL	55.6				151.1
		LPB	PKP	15 03 48.9				
			i	55.5				
			PKP2	04 03.6				
			eL	55.7				
		CHA	ePKP	15 03 51.5				
		SCS	PKP	15 03 53.4	D			
SEP	9	LPB	eP	15 14 01.4				3.5
		PNS	eP	15 14 05.7				
			S	46.4				
SEP	9	OBS	eO	15 29 36.4				
SEP	9	PNS	eP	16 47 13				
		LPB	eP	16 47 15.9				
SEP	9	SCS	eP	16 59 27.2		0.8	15	
		LPB	P	16 59 37.9		0.6	5	7.2
		PNS	P	16 59 38.3				
			i	55.3				
			eS	17 01 00				
		CHA	eP	16 59 41.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	9	USCGS	16 52 01.3, 54.8S, 136.0W, H = 33 Km, M = 5.4					
		S PACIFIC CORDILLERA						
		SCS	eP	17 02 28.8				
		LPB	eP	17 02 30.4				63.9
			iS	11 12.4				
			eG	18.3				
			L	22.4				
		CCH	eP	17 02 33.4				
		PNS	P	17 02 33.6		1.5	120	
			iS	11 11.0				
			eG	18.1				
			L	22.5				
SEP	9	USCGS	19 04 27.2, 12.2N, 140.8E, H = 49 Km, M = 4.7					
		W CAROLINE IS						
		PNS	ePKP	19 24 15				
			eL	20 16				
		LPB	PKP	19 24 16				151.1
SEP	9	CCH	eP	19 26 22.4				
		PNS	eP	19 26 26.7				8.0
			eS	27 57				
SEP	9	USCGS	21 14 58.2, 37.5N, 136.2E, H = 325 Km, M = 4.2					
		NR W CST OF HONSHU, JAPAN						
		LPB	ePKP	21 34 06				149.9
			L	22 25				
		PNS	ePKP	21 34 07.8				
			PKP2	12.5				
			eG	22 16.1				
			eL	25.6				
SEP	9	USCGS	22 35 59.0, 3.8N, 32.8E, H = 33 Km, M = 4.9					
		UGANDA						
		LPB	eP	22 49 23.5				101.7
		PNS	PS	23 03 00				
			eL	24.4				
SEP	9	USCGS	23 43 04.0, 54.8N, 162.7W, H = 33 Km, M = 4.6					
		ALASKA PENINSULA						
		PNS	SKS	00 07 54				106.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	10	USCGS	00 41 05.0, 13.8N, 92.3W, H = 47 Km, M = 3.9					
			OFF CST OF CHIAPAS, MEXICO					
		LPB	eL	01 00				38.7
		PNS	eL	01 00.2				
SEP	10	SCS	iP	01 01 47.9	D			2.5
			iS	02 17.7				
		CCH	iP	01 01 49.1	C			2.8
		LPB	iP	01 01 51.2	C	0.7	46	
			iS	02 24				2.8
		CHA	iP	01 01 51.7	C			
			S	02 24.5				3.0
		PNS	iP	01 01 53.5	C			
			iS	02 28.5				
SEP	10	LPB	eP	02 01 02.6				
		PNS	eP	02 01 03				
		CHA	eP	02 01 05.4				
SEP	10	LPB	eP	02 12 22				
		PNS	eP	02 12 26				
SEP	10	LPB	eP	07 17 37.7				
		PNS	eP	07 17 38.3				
SEP	10	PNS	eP	09 51 33				
		LPB	eP	09 51 33.2				
		SCS	eP	09 51 40.8				
SEP	10	USCGS	11 11 41.7, 4.3N, 74.1W, H = 84 Km, M = 4.2					
			COLOMBIA					
		PNS	eP	11 16 23.7				
			eL	22.1				21.4
		LPB	eP	11 16 25.7				
			eL	22				
SEP	10	LPB	eP	11 59 04.1				
		PNS	eP	11 59 04.2				
SEP	10	USCGS	15 51 42.3, 13.2N, 89.5W, H = 69 Km, M = 3.8					
			EL SALVADOR					
		PNS	eP	15 58 39.0				36.4
			eL	16 09.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	10	PNS	P	17 46 34.7				
		LPB	eP	17 46 35.8				
SEP	10	USCGS	17 49 16.8, 14.8N, 121.2E, H = 22 Km, M = 4.9					
			LUZON PHILIPPINE IS					
		LPB	ePKP	18 09 27				171.0
			eL	19 10				
		PNS	ePKP	18 09 28		1.5	16	
			eS	35 42				
			eG	19 00.1				
			eL	10.3				
SEP	10	PNS	P	18 58 01.6				
		LPB	eP	18 58 03.8				
		CCH	eP	18 58 10.7				
		SCS	eP	18 58 12.8				
SEP	10	PNS	eP	19 07 09.2				4.2
			S	58.2				
SEP	10	PNS	P	19 16 43.7		0.4	4	4.3
			S	17 34				
		LPB	eP	19 16 52.2				4.5
			eS	17 44.1				
SEP	10	PNS	iP	20 59 24	D	0.4	10	2.1
			S	48.6				
SEP	10	PNS	P	22 31 18.5				2.4
			S	47.2				
SEP	10	LPB	eP	22 31 53				
		PNS	P	22 31 56.5		0.6	4	
SEP	10	SCS	eP	22 43 32.8				
		LPB	P	22 43 42.2				
		PNS	P	22 43 46.1		0.8	17	7.6
			S	45 12				
SEP	11	USCGS	00 35 36,0, 3.5N, 82.8W, H = 33 Km, M = 4.4					
			S OF PANAMA					
		LPB	P	00 40 50.3		1.4	144	24.3
			eS	45 22				
			eL	47.8				
		PNS	P	00 40 51.7	C	2.0	320	
			S	45 21				
			eL	47.9				
		SCS	P	00 41 02.8				
		CCH	P	00 41 10.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	11	USCGS	01 22 43.7, 21.4S, 173.8E, H = 32 Km, M = 4.8					
		E NEW HEBRIDE IS REG						
		LPB	eP	01 37 07				108.7
		PNS	eL	02 15.4				
SEP	11	LPB	eP	03 06 01.9				
		PNS	P	03 06 04.6				
SEP	11	USCGS	04 37 16.4, 21.4S, 167.9E, H = 11 Km, M = 5.0					
		LOYALTY IS REG						
		LPB	ePKP	04 55 52				111.6
			eL	05 30				
		PNS	eL	05 30.2				
SEP	11	USCGS	06 12 00.5, 27.5N, 66.4E, H = 36 Km, M = 4.6					
		W PAKISTAN						
		PNS	ePKP	06 31 23				
			eL	07 16.8				
		LPB	eL	07 16				136.5
SEP	11	USCGS	07 00 28.7, 36.4N, 2.8E, H = 33 Km, M = 4.6					
		ALGERIA						
		LPB	P	07 13 05		0.8	6	85.1
			eL	41				
		PNS	eP	07 13 05.1		0.8	7	
			eL	41.7				
		SCS	eP	07 13 06.3				
SEP	11	USCGS	10 14 30.4, 21.3S, 173.7E, H = 34 Km, M = 4.8					
		NEW HEBRIDES IS REG						
		LPB	eP	10 28 40				108.4
			eL	11 06				
		PNS	eL	11 06				
SEP	11	USCGS	11 14 23.7, 18.7S, 169.2E, H = 245 Km, M = 5.0					
		NEW HEBRIDES IS						
		LPB	eL	12 07				113.4
		PNS	eL	12 07.7				
SEP	11	PNS	iP	11 54 43.5	D	0.3	7	1.9
			S	55 06.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	11	USCGS	12 53 34.6, 45.0N, 99.3E, H = 33 Km, M = 4.8					
		MONGOLIA						
		PNS	PKP	13 13 21.8		1.5	20	
		LPB	ePKP	13 13 22				49.4
			eL	14 04				
SEP	11	PNS	iP	15 37 04.2	D	0.5	6	1.9
			S	27.2				
		LPB	eP	15 37 07.2				
SEP	11	LPB	eP	16 43 27.8				
		PNS	P	16 43 32.3		0.5	4	3.6
			S	44 14				
		SCS	eP	16 43 38.7				
SEP	11	PNS	eP	17 30 14				6.5
			eS	31 27.6				
		LPB	eP	17 30 15.8				
		SCS	eP	17 30 19.9				
SEP	11	SCS	eP	18 19 58.9				
		LPB	eP	18 20 06.8				
		PNS	P	18 20 12.3	C	0.4	4	7.5
			S	21 37				
SEP	11	USCGS	18 57 30.0, 40.6N, 123.5W, H = 20 Km,					
		N CALIFORNIA						
		PNS	P	19 09 15.9		1.0	7	
SEP	11	USCGS	19 17 23.0, 25.2S, 70.3W, H = 33 Km, M = 4.7					
		NEAR CST OF N CHILE						
		LPB	eP	19 19 31.9		0.5	10	10
		PNS	P	19 19 35.5		0.5	3	
			eS	21 15.9				
			eL	43				
		SCS	P	19 19 39.4				
SEP	11	SCS	eP	21 03 30.3				
		LPB	P	21 03 35.4		0.7	13	
		PNS	P	21 03 37.2	D	0.8	9	
			i	04 14.3				
SEP	11	USCGS	21 21 03.0, 17.6S, 173.1W, H = 33 Km, M = 4.2					
		TONGA IS						
		LPB	eL	22 10				103.(

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	11	SCS	eP	23 53 15.2				
		LPB	eP	23 53 19.9		0.6	4	3.9
		PNS	eP	23 53 21.5				
			eS	54 06.5				
SEP	12	USCGS	00 16 02.8, 16.7N, 98.4W, H = 87 Km, M = 4.5					
		NR CST OF GUERRERO, MEXICO						
		LPB	eP	00 24 05.5				44.6
			eL	37		1.3	19	
		PNS	P	00 24 06.0				
			eS	30 40				
			eL	37.2				
SEP	12	USCGS	00 23 27.7, 22.8S, 10.5W, H = 33 Km, M = 4.9					
		S ATLANTIC RIDGE						
		SCS	P	00 32 49.0	D			55.8
		LPB	eP	00 32 53				
			eL	50				
		PNS	eP	00 32 54.2				
			eL	50				
SEP	12	USCGS	01 57 08.0, 4.2S, 153.1E, H = 49 Km,					
		NEW IRELAND REG						
		LPB	ePKP	02 16 20.3				133.9
			eL	03 00		1.2	10	
		PNS	ePKP	02 16 25.8				
SEP	12	USCGS	02 43 33.1, 44.6N, 149.8E, H = 25 Km, M = 5.1					
		KURILE IS						
		PNS	ePKP	03 02 57.7				
			eL	48.9		1.0	8	137.7
		LPB	PKP	03 02 58.3				
			eL	49				
SEP	12	LPB	eP	03 54 05.5				
		PNS	P	03 54 09				
SEP	12	USCGS	04 51 49.3, 16.8S, 72.4W, H = 33 Km, M = 4.0					
		NR CST OF PERU						
		PNS	P	04 52 48.1		0.7	5	
			eS	53 34.8				
		LPB	P	04 52 53.2		0.8	12	4.0
		SCS	iP	04 52 56.2	D			
		CCH	eP	04 53 20.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	12	PNS	P	06 23 30.9		1.3	14	
SEP	12	PNS	iP	06 45 31.7	D	0.4	10	1.8
			S	54.2				
		LPB	P	06 45 54.8		0.6	6	
SEP	12	PNS	P	08 49 54.6		0.5	3	
		LPB	P	08 49 59.2		0.8	10	
		SCS	eP	08 50 09.1				
SEP	12	USCGS	10 05 33.1, 17.0N, 97.3W, H = 88 Km, M = 4.4					
		OAXACA, MEXICO						
		PNS	P	10 13 32		1.3	22	
			eL	26.8				
		LPB	eP	10 13 35.9				49.9
			eL	27				
		SCS	eP	10 13 42.9				
SEP	12	PNS	P	02 18 36.3		0.4	3	2.0
			S	19 00				
		LPB	eP	02 18 37.5				2.0
			S	19 02				
SEP	12	USCGS	10 16 49.0, 19.7S, 69.9W, H = 125 Km, M = 4.5					
		N CHILE						
		SCS	iP	10 17 35.0	C			
		LPB	iP	10 17 44.1	C	0.5	273	3.6
			iS	18 25				
		PNS	iP	10 17 45.5	C			
			iS	18 24				
SEP	12	USCGS	10 46 36.0, 24.0S, 6 4.8W, H = 76 Km, M = 4.4					
		N CHILE						
		LPB	eP	10 48 26				7.6
		PNS	P	10 48 29.3				
		SCS	eP	10 48 39.4				
SEP	12	PNS	P	11 00 14.5				7.1
			S	01 34.4				
		LPB	P	11 00 18.1		0.6	6	
SEP	12	USCGS	11 11 31.3, 5.0S, 11.5W, H = 33 Km, M = 4.9					
		ASCENSION IS REG						
		PNS	P	11 21 16.0		1.0	6	
			eL	38.9				
		LPB	eP	11 21 19				56.7
			eL	39				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	12	USCGS	11 48 45.0, 24.7S, 71.1W, H = 35 Km, M = 4.6					
			OFF CST OF N CHILE					
		TRJ	eP	11 50 23.1				
		PNS	P	11 50 52.2				
			PP	51 01.9				
			eS	52 34.4				
			SS	54.7				
			L	53.3				9.0
		LPB	eP	11 50 53.1				
			PP	51 02				
			L	53.5				
		SCS	P	11 51 01.0				
SEP	12	LPB	eP	12 05 31.4				2.6
		PNS	P	12 05 31.4				
			S	06 02				
SEP	12	USCGS	11 51 51.0, 22.0S, 174.2E, H = 33 Km, M = 4.4					
			LOYALTY IS REG					108.0
		LPB	eP	12 06 10				
			eL	43				
		PNS	eP	12 06 10				
			eL	43.2				
SEP	12	USCGS	12 37 18.0, 19.2S, 167.5E, H = 9 Km, M = 4.9					
			NEW HEBRIDES IS REG					114.7
		LPB	eL	13 32				
		PNS	eL	13 32.2				
SEP	12	PNS	iP	14 10 01.6	D	0.5	8	
SEP	12	PNS	eP	16 55 36				
SEP	12	PNS	eP	18 13 23				
		LPB	eP	18 13 27				
SEP	12	PNS	eP	19 18 05				3.8
			S	49				
		LPB	eP	19 18 10.2				
SEP	12	USCGS	21 49 47.6, 5.5S, 151.7E, H = 50 Km, M = 5.2					
			NEW BRITAIN REG					
		PNS	PKP	22 09 05.0	C	1.7	38	
			iPKS	12 52.2				
			eSS	29 40				
			L	53.5				135.0
		LPB	PKP	22 09 06				
			eL	53				
		SCS	ePKP	22 09 06.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	12	USCGS	22 30 39.0, 5.5S, 152.1E, H = 27 Km,					
			NEW BRITAIN REG					
		PNS	L	23 43				
		LPB	eL	23 45				134.6
SEP	12	USCGS	23 01 00.0, 19.3S, 167.6E, H = 23 Km, M = 4.7					
			NEW HEBRIDE IS REG					
		LPB	ePKP	23 19 38				114.7
			eL	24 55				
		PNS	eL	24 55.8				
SEP	13	USCGS	00 05 55.8, 19.4S, 167.5E, H = 17 Km, M = 5.0					
			NEW HEBRIDES IS REG					
		LPB	ePKP	00 24 24				114.7
			eL	01 00				
		PNS	PKP	00 24 31.7				
			eL	01 00.6				
SEP	13	SCS	eP	01 04 10.8				
		LPB	eP	01 03 47.2				
		PNS	eP	01 03 50.5				
SEP	13	LPB	eP	03 57 22		1.2	19	
SEP	13	PNS	P	04 55 05.4	C			
		LPB	eP	04 55 06				
SEP	13	PNS	iP	07 38 04.8	D	0.6	7	1.9
			eS	28				
		LPB	eP	07 38 07				
SEP	13	USCGS	14 36 00.0, 31.5S, 67.8W, H = 72 Km, M = 3.9					
			SAN JUAN PROV, ARGENTINA					
		LPB	eP	14 39 29				14.4
		PNS	P	14 39 31.6		0.9	6	
SEP	13	USCGS	15 13 46.9, 10.5S, 79.5W, H = 33 Km, M = 4.7					
			OFF CST OF PERU					
		LPB	eP	15 16 40.5				12.6
			eL	20.3				
		PNS	eP	15 16 41.8				
			eL	20.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	13	PNS	P	16 44 42.5		0.7	10	
		LPB	eP	16 44 43.5				
SEP	13	USCGS	17 21 33.0, 11.5N, 89.0W, H = 33 Km, M = 4.2					
		OFF CST OF CENTRAL AMERICA						
		LPB	eP	17 28 23				34.6
		PNS	eP	17 28 26.8				
SEP	13	USCGS	18 41 15.4, 52.7N, 172.5E, H = 34 Km, M = 5.7					
		NR IS ALEUTIAN IS						
		LPB	ePKP	19 00 05.5		1.1	15	121.0
		PNS	ePKP	19 00 06.1				
			eL	38.6				
SEP	13	USCGS	19 57 47.9, 56.0S, 27.4W, H = 148 Km, M = 5.3					
		S SANDWICH IS REG						
		CCH	P	20 06 05.0				
		LPB	iP	20 06 30	C	1.1	212	49.5
			S	13 34				
			eL	21.6				
		CHA	iP	20 06 31.0	C			
			i	07 48.8				
		PNS	iP	20 06 33.2	C	1.2	160	
			iPP	59.8				
			i	07 50.4				
			PP	08 20.0				
			i	11 51.4				
			S	13 37.8				
			SS	13 37.8				
			eL	21.5				
SEP	13	PNS	iP	20 11 31.0	C	1.2	40	
SEP	13	LPB	eP	20 38 28.3				
		CHA	P	20 38 31.3				
		PNS	P	20 38 32.2		0.6	8	5.9
			S	39 40				
SEP	13	USCGS	20 46 11.8, 19.8N, 189.2W, H = 33 Km, M = 4.7					
		REVILLA GIGEDO IS REG						
		CHA	eP	20 55 27.4				
		PNS	P	20 55 34.0	C	1.0	11	
			eL	21 12.3				
		LPB	P	20 55 36.5		1.0	3	54.0
		CCH	eP	20 55 44.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	13	LPB	P	20 56 31.5		1.0	120	2.4
			(S)	57 01				
		CHA	iP	20 56 32.6	C			
		CCH	iP	20 56 32.8	C			
		PNS	iP	20 56 34.5	C			2.5
			S	57 05				
SEP	13	USCGS	21 51 22.2, 9.3S, 158.0E, H = 24 Km, M = 5.2					
		SOLOMON ISLAND						
		PNS	ePKP	22 10 29				
		LPB	eL	22 52				127.5
SEP	13	LPB	eP	22 45 50				
		PNS	P	22 45 54.5		0.5	5	1.8
			S	46 16.9				
SEP	14	PNS	eP	00 51 03.9				
		LPB	eP	00 51 06.2				
SEP	14	LPB	P	02 26 35.7	D	0.7	18	0.4
			iS	43				
SEP	14	USCGS	03 58 29.0, 18.1S, 71.6W, H = 33 Km, M = 4.1					
		OFF CST OF N CHILE						
		PNS	P	03 59 23.9		0.7	4	
			iPn	27.9				
			S	04 00 05.8				
		LPB	P	03 59 25.5		0.7	66	3.6
			PP	36.2				
		CHA	P	03 59 26.7				
			i	30.7				
		CCH	P	03 59 45.5				
SEP	14	USCGS	04 08 00.1, 22.8S, 68.5W, H = 100 Km, M = 4.1					
		N CHILE						
		CCH	P	04 09 28.8				
		LPB	P	04 09 33.3		0.7	11	6.0
		CHA	P	04 09 37.7				
		PNS	iP	04 09 38.5	C	0.8	21	
			eS	10 39				
SEP	14	LPB	iP	04 23 40.7	D	0.4	93	2.1
			iS	24 06				
		PNS	P	04 23 41.1	D	0.7	70	2.1
			iS	24 06				
		CHA	iP	04 23 41.6	D			
		CCH	P	04 23 55.2	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	14	PNS	eP	05 59 32				
SEP	14	USCGS	06 45 41.0, 16.4N, 97.7W, H = 89 Km, M = 4.1					
			OAXACA, MEXICO					
		PNS	P	06 53 45.6		0.9	5	43.6
		LPB	eL	07 07				
SEP	14	LPB	P	07 12 50.0	D	1.0	22	2.5
			eS	13 19.6				
		PNS	P	07 12 50.1	D	0.7	10	2.6
			S	13 20.8				
		CHA	iP	07 12 51.2	C			
		CCH	P	07 13 04.3	C			
SEP	14	PNS	P	08 12 00.3		0.5	4	
		CHA	P	08 12 02.4	C			
		LPB	eP	08 12 06.6				
SEP	14	PNS	iP	08 13 45.5	D			1.8
			S	14 07.6				
		LPB	P	08 13 47.4	D	0.8	25	
		CHA	iP	08 13 48.1	D			
		CCH	P	08 14 06.9	D			
SEP	14	LPB	eP	10 41 50				
		PNS	eP	10 41 52.7				
SEP	14	TRJ	P	10 57 12.8	D			
			S	53.8				
		CCH	P	10 57 32.4		0.5	14	
		LPB	P	10 57 38				
		CHA	P	10 57 38.4				
		PNS	P	10 57 40.1	D	1.0	15	5.0
			eS	58 37				
SEP	14	PNS	iP	12 53 46.8	D	0.4	8	1.9
			iS	54 09.5				
		CHA	P	12 53 48.0	D			
		LPB	eP	12 53 52.3				
SEP	14	USCGS	14 16 06.0, 1.6N, 84.9W, H = 40 Km, M = 4.8					
			OFF CST OF ECUADOR					
		CHA	eP	14 21 18.5				24.3
		LPB	eP	14 21 21				
			S	25 40		1.0	19	
		PNS	eP	14 21 21				
			eS	25 37				
			L	28.3				
		CCH	eP	14 21 26.0				
		TRJ	eP	14 22 15.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	14	PNS	P	14 36 25.8		1.3	30	
		LPB	eP	14 36 26.5				
SEP	14	USCGS	14 32 31.0, 36.1N, 21.9E, H = 102 Km, M = 4.5					
			S GREECE					
		PNS	eP	14 46 03				99.7
			eSKS	56 52				
			eL	19.6				
SEP	14	USCGS	14 49 41.9, 28.4N, 57.1E, H = 33 Km, M = 4.7					
			S IRAN					
		PNS	PKP	15 08 50.0		0.9	8	129.0
SEP	14	TRJ	eP	15 25 18.3				
		LPB	eP	15 25 44.4				
		PNS	eP	15 25 46.7				3.7
			eS	27 30				
SEP	14	LPB	eP	15 49 06.5				
		PNS	iP	15 19 09.0	D	0.8	18	2.7
			iS	41.5				
		CHA	iP	15 49 20.6	D			
SEP	14	USCGS	15 35 17.3, 15.4S, 167.5E, H = 142 Km, M = 4.9					
			NEW HEBRIDES IS					
		PNS	PKP	15 54 00.7		1.0	8	
			eL	16 30.5				
		LPB	ePKP	15 54 02				116.1
SEP	14	PNS	eP	16 34 47.5				
SEP	14	PNS	iP	20 07 57.3	D			1.9
			iS	08 20.0				
		CHA	P	20 07 59.6				
		LPB	eP	20 08 20				2.0
			S	24.5				
SEP	14	USCGS	20 32 39.3, 23.5S, 70.2W, H = 38 Km, M = 4.8					
			NR CST OF N CHILE					
		LPB	iP	20 34 24	C			7.1
		CHA	iP	20 34 25.8	C			
		PNS	iP	20 34 26.3	C			
			iP	34.0				
			S	36 24				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	14	LPB	P	22 09 49.4		0.5	15	
		PNS	P	22 09 54.2		0.5	3	
SEP	14	USCGS	22 57 26.0, 3.0N, 128.8E, H = 206 Km, M = 4.5					
		N OF HALMAHERA						
		PNS	PKP	23 16 57.4				158.4
			eL	00 11				
SEP	15	USCGS	00 28 32.8, 35.6N, 140.4E, H = 59 Km, M = 5.2					
		NR E CST OF HONSHU, JAPAN						
		PNS	ePKP	00 48 17		1.3	60	
			L	01 38.6				
		LPB	ePKP	00 48 19.5		1.4	108	148.0
			L	01 38.5				
		CHA	ePKP	00 48 22.2				
		CCH	ePKP	00 48 25.5				
SEP	15	PNS	iP	01 35 31.4	D			1.9
			iS	54.0				
		LPB	iP	01 35 32.6	D	0.8	90	1.9
			S	56				
		CHA	iP	01 35 33.2	D			
		CCH	P	01 35 51.3	C			
SEP	15	LPB	P	01 47 28		1.0	10	
SEP	15	PNS	eP	02 58 33.4				
		CHA	eP	02 58 35.0				
		LPB	P	02 58 37.3		1.1	10	
		CCH	eP	02 58 54.2				
		TRJ	eP	02 59 33.2				
SEP	15	TRJ	P	03 10 43.5				
		CCH	P	03 10 53.8				
		LPB	P	03 10 56.7		1.0	14	
		CHA	P	03 10 57.0				
		PNS	P	03 10 59.7		0.9	14	
SEP	15	LPB	eP	05 39 00.5				
		PNS	eP	05 39 03.9				
SEP	15	PNS	eP	06 09 51				10.6
			eS	11 50				
SEP	15	USCGS	06 30 00.0, 6.3S, 103.8E, H = 65 Km, M = 4.8					
		SW OF SUMATRA						
		LPB	eL	07 54				157.4
		PNS	eL	07 54.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	PNS	eP	07 16 40		1.2	13	
		LPB	P	07 16 45				
SEP	15	PNS	eP	07 26 33.6				10.9
			S	28 35.8				
SEP	15	TRJ	iP	07 33 18.6	C			
		CCH	P	07 33 56.4				
		LPB	P	07 34 12				
		PNS	P	07 34 16.3				
SEP	15	PNS	P	08 15 49.3		0.4	3	2.8
			S	16 22.7				
		CHA	iP	08 15 53.7	D			
		LPB	P	08 15 54				
SEP	15	USCGS	08 04 04.4, 28.3N, 139.6E, H = 438 Km, M = 4.8					
		BONIN IS REG						
		PNS	PKP	08 23 03.7		1.5	17	
		LPB	PKP	08 23 04.2		1.0	10	152.7
			eL	09 15				
		CHA	PKP	08 23 10.8				
		CCH	PKP	08 23 14.1				
SEP	15	PNS	iP	08 23 10.3	D	0.7	28	9.8
			S	25 00				
SEP	15	PNS	P	10 02 33.2				3.2
			S	03 10.6				
SEP	15	USCGS	10 32 48.7, 27.4N, 91.8E, H = 57 Km, M = 5.8					
		BHUTAN						
		LPB	ePKP	10 52 40.1				158.4
			eL	11 47				
		PNS	ePKP	10 52 42				
			i	48.8				
			PKP2	53 10.6				
			PP	56 55.6				
			eL	11 47.9				
SEP	15	LPB	eP	11 02 57.2				
		PNS	eP	11 02 56.9		1.1	10	39.0
			e	03 04.7				
			S	08 53.7				

MONTH	DAY	STA	PHASE	TIME	SING	PER	AMPL	DIST
SEP	15	TRJ	iP	11 59 32.7	C			3.0
			S	12 00 07.9				
SEP	15	PNS	P	16 13 21.8				
SEP	15	PNS	P	16 13 35.0	C	0.7	5	
		LPB	P	16 13 35.5		0.5	10	
SEP	15	USCGS 17 52 02.3, 31.6S, 69.4W, H = 118 Km, M = 4.7 SAN JUAN PROV, ARGENTINA						
		CCH	eP	17 55 10.8				
		LPB	P	17 55 30.3		1.0	16	14.4
		PNS	P	17 55 34.3	D	1.3	47	
			eS	58 24				
SEP	15	CCH	eP	18 00 29.3				
		PNS	iP	18 00 29.7	D			2.1
			iS	54.3				
		LPB	P	18 00 32.2		1.0	98	
SEP	15	LPB	eP	18 55 07.8				
		PNS	P	18 55 11.5		0.8	6	3.9
			S	57				
SEP	15	USCGS 19 15 54.0, 1.6N, 127.1E, H = 119 Km, M = 5.5 HALMAHERA						
		LPB	ePKP	19 35 42				158.1
		PNS	PKP	19 35 43.5		1.0	12	
SEP	15	PNS	P	20 23 54				2.5
			S	24 24				
SEP	15	PNS	iP	20 27 29.2	C	0.4	2	1.2
			S	44.4				
SEP	15	LPB	P	21 08 42.3		0.6	18	2.3
			S	09 10.5				
		PNS	iP	21 08 43.0	D			2.5
			iS	09 13.0				
SEP	15	USCGS 23 26 32.5, 13.9N, 92.4W, H = 44 Km, M = 4.3 OFF CST OF CHIAPAS, MEXICO						
		PNS	eP	23 33 50.8				
			eL	45.6				
		LPB	eL	23 45				38.7

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	USCGS 23 44 41.0, 29.4S, 67.4W, H = 92 Km, M = 4.3 LA RIOJA PROV, ARGENTINA						
		PNS	P	23 47 45.0		0.6	3	
			eL	51.4				
		LPB	eP	23 47 40.9				12.6
			eL	23 51				
SEP	15	USCGS 23 57 30.1, 24.1N, 120.7E, H = 50 Km, M = 5.0 TAIWAN						
		PNS	ePKP	00 17 33				
		LPB	ePKP	00 17 34				169.1
			eL	01 17				
SEP	16	LPB	eP	02 06 14.5				
		PNS	P	02 06 18.4		0.5	16	
		TRJ	P	02 05 19.8	C			
SEP	16	USCGS 03 33 19.0, 22.1S, 67.0W, H = 204 Km, M = 3.9 CHILE-BOLIVIA BOR REG						
		LPB	P	03 34 43.4		0.9	12	5.4
		TRJ	iP	03 34 00.7	C			
			S	32.0				
		PNS	P	03 34 47.0		0.6	7	
			S	35 55				
SEP	16	USCGS 03 40 55.3, 2.0S, 128.9E, H = 50 Km, M = 5.4 CERAM SEA						
		PNS	ePKP	04 00 47.4				
			pPKP	56.0				
			eL	54.5				
		LPB	PKP	04 00 50.3		1.0	8	155.0
			L	54.3				
		TRJ	ePKP	04 00 51.9				
SEP	16	USCGS 04 03 58.0, 50.0N, 77.8E, M = 5.3 E KAZAH SSR						
		PNS	ePKP	04 23 21				
		LPB	ePKP	04 23 22				136.8
SEP	16	PNS	iP	04 37 41.4	D	0.5	10	2.2
			S	33 57.8				
		LPB	P	04 27 42		0.8	6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	16	PNS	P	06 31 16.5				3.3
			S	55.8				
		LPB	eP	06 31 20				
SEP	16	PNS	P	07 10 20.8				
SEP	16	USCGS	08 31 58.4, 52.0N, 176.4W, H = 65 Km, M = 5.4					
		ANDREANOF IS, ALEUTIAN IS						
		PNS	PKP	08 50 31.8				
			eL	09 26.2				
		LPB	ePKP	08 50 32.4				114.0
			eL	09 27				
SEP	16	LPB	P	09 32 22.2		0.9	15	
		PNS	eP	09 32 27				
			e(S)	33 23				
SEP	16	USCGS	11 15 16.0, 59.7N, 148.5W, H = 58 Km, M = 3.9					
		KENAI PENINSULA, ALASKA						
		LPB	eP	11 24 44				99.4
			eL	12 01.6				
SEP	16	TRJ	iP	14 08 24.7	C			
		LPB	P	14 09 20.5	D			
		PNS	iP	14 09 24.1	D	0.5	19	7.7
			S	10 51.3				
SEP	16	TRJ	eP	15 49 43.7				
		PNS	eP	15 50 25.3				
SEP	16	LPB	eP	18 13 29				
		PNS	iP	18 13 34.3	D	0.6	5	1.8
			S	56.5				
SEP	16	USCGS	18 24 47.9, 5.3N, 82.4W, H = 33 Km, M = 4.6					
		S OF PANAMA						
		LPB	eP	18 30 15				25.1
			e	20.3				
			eS	34 30				
			eL	37.1				
		PNS	P	18 30 15.4		1.3	55	
			eL	37.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	16	USCGS	19 12 13.6, 10.1S, 161.2E, H = 31 Km, M = 5.3					
		SOLOMON IS						
		LPB	ePKP	19 31 11				124.2
		PNS	PKP	19 31 11.2		0.9	6	
			eL	20 11.1				
SEP	16	PNS	eP	20 18 01				
SEP	16	TRJ	P	22 01 06.6	C			
			iS	45.2				
		LPB	eP	22 01 29.8		0.5	13	
		PNS	P	22 01 34.1	D	0.6	13	4.9
			S	02 03				
SEP	16	USCGS	23 12 39.0, 56.5S, 24.4W, H = 31 Km, M = 4.5					
		S SANDWICH IS REG						
		LPB	eP	23 21 46.2				51.6
		PNS	eP	23 21 48				
SEP	17	USCGS	01 09 08.4, 27.5N, 142.4E, H = 33 Km, M = 4.8					
		BONIN IS REG						
		PNS	ePKP	01 28 54				
		LPB	ePKP	01 28 54.5				149.4
SEP	17	USCGS	01 21 52.0, 18.6S, 175.0W, H = 200 Km, M = 4.1					
		TONGA IS						
		PNS	eP	01 35 10.2				99.5
SEP	17	LPB	P	04 03 24.4	D	0.8	15	
			S	53.5				2.4
		PNS	iP	04 03 25.6	D	0.5	11	
			iS	55.2				2.5
SEP	17	USCGS	05 14 09.0, 21.8S, 68.5W, H = 128 Km, M = 3.9					
		CHILE-BOLIVIA BOR REG						
		TRJ	iP	05 15 02.7	D			
		LPB	P	15 15 27	D	0.7	14	5.4
			S	16 28.8				
		PNS	P	05 15 30.4	D	0.8	12	
			eS	16 32				
SEP	17	TRJ	eP	05 37 12.8				
		LPB	eP	05 37 56				
		PNS	eP	05 37 56.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	17	USCGS S BOLIVIA	05 50 57.0, 20.5S, 67.6W, H = 186 Km, M = 4.0					
		CCH	P	05 51 22.3				
		TRJ	P	05 51 45.3	C			
		LPB	P	05 52 00				4.0
			S	45.7				
		PNS	P	05 52 01.9		0.8	13	
			eS	50				
SEP	17	TRJ	P	06 10 18.8				
		PNS	P	06 10 34.7		0.4	17	
SEP	17	PNS	eP	06 22 35				3.5
			S	23 16.5				
SEP	17	USCGS BANDA SEA	06 19 49.0, 6.2S, 130.3E, H = 90 Km, M = 5.0					
		TRJ	PKP	06 39 28.9				
		LPB	PKP	06 39 35.2		1.0	14	151.0
			eL	07 31				
		PNS	PKP	06 39 35.3		0.9	10	
			eSS	07 02 41				
			eL	31.4				
SEP	17	USCGS SAN LUIS PROV, ARGENTINA	06 37 08.0, 34.0S, 66.1W, H = 12 Km, M = 3.9					
		PNS	eP	06 41 14		0.9	5	
		LPB	eP	06 41 14.6		0.8	13	17.5
SEP	17	TRJ	eP	07 21 07.6				
		PNS	P	07 21 20.9		0.7	5	
		LPB	P	07 21 23.5		0.8	4	
SEP	17	USCGS CHIAPAS, MEXICO	07 56 22.7, 17.2N, 94.1W, H = 45 Km, M = 5.2					
		PNS	iP	08 04 10.2	C			
			eS	10 26				
			L	16.8				
		LPB	P	08 04 13	C	1.0	20	42.1
			eS	10 28				
			eL	16.8				
		TRJ	iP	08 04 59.2	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	17	USCGS HALMAHERA	08 58 16.0, 2.3N, 128.7E, H = 153 Km, M = 4.9					
		LPB	ePKP	09 17 50				157.6
SEP	17	PNS	P	09 57 09.3		0.6	10	
			S	30.6				1.7
		LPB	P	09 57 12		0.9	12	
		CCH	eP	09 57 15.0				
SEP	17	USCGS OFF E CST OF HONSHU, JAPAN	09 47 15.0, 33.0N, 142.1E, H = 33 Km, M = 4.2					
		PNS	ePKP	10 06 58				
		LPB	ePKP	10 06 59				148.0
SEP	17	TRJ	iP	11 30 56.8	D			
		CCH	P	11 31 04.5				
		LPB	iP	11 31 50	C	0.7	28	
		PNS	iP	11 31 54.1	C	0.6	22	
SEP	17	PNS	P	13 04 02.7		0.6	2	2.3
			S	30.3				
		LPB	eP	13 04 03				2.3
			S	31				
SEP	17	PNS	P	14 16 11.0		0.6	2	
SEP	17	PNS	iP	14 20 05.5	D	0.3	7	1.9
			S	28.5				
SEP	17	PNS	P	16 24 11.6		0.8	4	
SEP	17	USCGS GULF OF CALIFORNIA	16 49 02.0, 31.2N, 114.4N, H = 33 Km, M = 4.4					
		PNS	eP	16 59 37.5				
		LPB	eP	16 59 40.5				65.0
SEP	17	PNS	eP	17 08 14.1		1.0	6	20.5
			eS	11 58				
		LPB	eP	17 08 14.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	17	LPB	P	18 18 26.2		1.1	27	
		PNS	P	18 18 10.2	D	0.5	9	6.8
			S	19 27				
		TRJ	iP	18 17 12.7	C			2.8
			S	45.5				
SEP	17	USCGS	19 17 03.1, 7.7N, 77.4W, H = 33 Km, M = 4.2					
		PANAMA COLOMBIA BOR REG						
		PNS	P	19 22 30.7				
		LPB	eP	19 22 31				25.1
SEP	17	LPB	eP	20 51 52.6				
		PNS	P	20 51 54.6				3.6
			S	52 37				
SEP	17	LPB	eP	23 59 58				
		PNS	P	23 59 59.7		0.6	7	2.0
			S	00 00 23.8				
SEP	18	USCGS	02 01 03.9, 47.4N, 146.9E, H = 410 Km, M = 4.7					
		NW OF KURILE IS						
		PNS	PKP	02 19 42.7		0.7	3	
		LPB	PKP	02 19 43		1.0	6	138.5
			eL	03 06				
		TRJ	ePKP	02 19 50.5				
SEP	18	USCGS	02 02 59.8, 15.7N, 39.0E, H = 33 Km, M = 4.8					
		ETHIOPIA						
		PNS	ePKP	02 21 31.7				110.7
SEP	18	LPB	P	03 28 53.3		0.9	17	
		PNS	P	03 28 55.3		0.8	5	
SEP	18	PNS	eP	06 16 29.8				
		LPB	eP	06 16 33				
SEP	18	USCGS	06 55 32.0, 31.3N, 114.3W, H = 33 Km, M = 4.3					
		GULF OF CALIFORNIA						
		LPB	eP	07 06 08.5				64.8
			eL	26.8				
SEP	18	PNS	eP	08 25 26				
		LPB	eP	08 25 26.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	18	TRJ	P	08 30 16.9				
		LPB	P	08 30 20.7		0.7	21	
		PNS	P	08 30 23.3		0.6	7	4.8
			S	31 18				
SEP	18	USCGS	08 26 36.7, 35.9N, 70.4E, H = 140 Km, M = 4.8					
		HINDU KUSH REG						
		LPB	ePKP	08 45 39				138.6
SEP	18	TRJ	eP	09 00 21.9				
		LPB	P	09 00 33.5		0.8	7	
		PNS	eP	09 00 39.2				
SEP	18	TRJ	P	09 09 31.7				
		LPB	P	09 09 42.7		0.9	10	
		PNS	P	09 09 47				5.0
			S	10 53.8				
SEP	18	TRJ	eP	09 17 10.1				
		LPB	eP	09 17 21.6				
		PNS	eP	09 17 23				
SEP	18	PNS	iP	09 53 08.6	D			2.2
			S	34.6				
		LPB	iP	09 53 09	D	0.6	10	
SEP	18	LPB	P	10 44 38		0.9	7	
		PNS	P	10 44 38.1		0.8	4	
SEP	18	PNS	P	11 18 12.6	C	0.5	8	3.3
			eS	52				
		LPB	P	11 18 13		0.5	13	
SEP	18	USCGS	12 50 54.0, 24.1S, 67.5W, H = 185 Km, M = 4.0					
		CHILE-ARGENTINA BOR REG						
		LPB	eP	12 52 42.8				7.4
			S	54 07.3				
		PNS	P	12 52 46.9	D	0.6	15	
			S	54 07.1				
		TRJ	iP	12 51 46.9	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	18	USCGS	15 13 39.7, 7.0S, 129.6E, H = 113 Km, M = 5.0					
		BANDA SEA						
		TRJ	ePKP	15 33 13.4				
		LPB	PKP	15 33 17.7		0.9	17	150.6
			i	23.6				
		PNS	PKP	15 33 18.1		1.0	8	
			i	23.3				
SEP	18	USCGS	15 33 06.5, 5.9S, 146.6E, H = 39 Km, M = 5.5					
		E NEW GUINEA REG						
		TRJ	PKP	15 52 20.4				
			ipPKP	31.6				
		LPB	ePKP	15 52 21.6		1.5	49	139.0
			pPKP	32.9				
			eSS	16 13 35				
		PNS	PKP	15 52 22.3		1.4	56	
			ipPKP	34.9				
			PP	55 22.6				
			eSS	16 13 35				
			eL	16 38.9				
SEP	18	PNS	P	16 39 05.7		0.6	3	
SEP	18	PNS	P	17 58 28.5		0.3	7	3.4
			S	59 08.8				
		LPB	eP	17 58 30				
SEP	18	LPB	P	18 24 38.8	C	0.7	17	
		PNS	iP	18 24 42.8	C	0.5	8	
SEP	18	USCGS	18 41 40.0, 24.1S- 70.3W, H = 49 Km, M = 5.1					
		NR CST OF N CHILE						
		PNS	eP	18 43 35.3	C	0.8	39	
			i	42.8				
			SS	45 27				
		LPB	eP	18 43 35.5		0.6	11	7.7
SEP	18	USCGS	18 57 09.8, 7.3N, 82.8W, H = 13 Km, M = 4.5					
		S OF PANAMA						
		PNS	eP	19 02 56.1		0.9	8	
			eS	07 42				
			eSS	08 54				
			eL	10.9				
		LPB	eP	19 02 57				27.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	18	USCGS	19 13 52.5, 20.7S, 178.4W, H = 562 Km, M = 4.0					
		FIJI IS REG						
		PNS	eP	19 26 43		1.0	9	
			eL	20 01.7				
		LPB	eL	20 01				102.1
SEP	18	LPB	P	19 36 36.4		0.7	14	
		PNS	P	19 36 40.0		0.5	5	1.6
			S	37 00				
SEP	19	TRJ	e(P)	01 04 11.2				
		LPB	eP	01 04 26.1				
		PNS	eP	01 04 27				
SEP	19	LPB	P	01 20 52.6		0.8	10	
		PNS	P	01 20 55.7		0.5	6	
		TRJ	P	01 19 57.1	C			
SEP	19	PNS	iP	02 12 14.2	C	0.5	4	2.4
			S	43				
		LPB	P	02 12 14.4		0.6	6	2.5
			S	44.2				
SEP	19	PNS	iP	03 02 43.8	D	0.7	17	
		LPB	eP	03 02 46.7				
SEP	19	USCGS	03 28 57.4, 37.3N, 141.7E, H = 53 Km, M = 4.9					
		NR E CST OF HONSHU, JAPAN						
		PNS	PKP	03 48 34.5	C	1.2	42	
			eL	04 38.7				
		LPB	PKP	03 48 34.8		1.1	45	146.7
			eL	04 39				
		TRJ	PKP	03 48 49.6				
SEP	19	TRJ	P	07 34 52.2				
		LPB	P	07 34 58.2		0.7	11	
		PNS	P	07 34 58.4		0.8	10	
SEP	19	LPB	P	09 04 41.3		1.0	8	
		PNS	P	09 04 41.3		0.7	7	
SEP	19	LPB	P	09 06 47.3				1.9
			eS	07 10.8				
		PNS	P	09 06 49.2				2.1
			S	07 14				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	19	USCGS	10 56 08.6, 43.0N, 145.2E, H = 84 Km, M = 5.9					
			HOKKAIDO, JAPAN REG					
		PNS	ePKP	11 15 23.3		1.2	38	
			i	33.2				
			iPKS	19 01.1				
			iSKS	22 23				
			iSS	36 54				
			eSSS	41 17				
			L	12 03.1				
		LPB	ePKP	11 15 28.5				141.2
			ePKS	18 56.8				
			SS	36 56.3				
			eG	55.6				
			L	12 03				
		TRJ	ePKP	11 15 43.0				
EP	19	USCGS	12 45 35.3, 57.8S, 23.4W, H = 33 Km, M = 5.7					
			S SANDWICH IS REG					
		TRJ	P	12 54 01.6				
		LPB	eP	12 54 48.9				52.3
			eS	13 52 14.8				
			eL	11				
		PNS	iP	12 54 51.9	C			
			eS	13 02 19				
			eG	07				
			L	11.0				
EP	19	LPB	eP	13 03 30.3				2.7
			S	04 02.3				
		PNS	P	13 03 31.3		0.6	5	2.6
			S	04 02.6				
		CCH	eP	13 03 45.4				
EP	19	LPB	eP	13 46 27.3				
		PNS	iP	13 46 31.8		0.4	3	1.8
			S	53.8				
EP	19	USCGS	14 00 41.0, 34.3N, 139.0E, H = 33 Km, M = 4.4					
			NEAR S CST OF HONSHU, JAPAN					
		LPB	ePKP	14 20 29				149.4
			eL	15 11				
		PNS	eL	15 11.4				
EP	19	USCGS	14 00 55.0, 2.4S, 137.6E, H = 36 Km,					
			W NEW GUINEA					
		LPB	ePKP	14 20 41.4				148.0
		PNS	ePKP	14 20 43.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	19	LPB	P	16 59 19.4				
		CHA	P	16 59 20.2				
		PNS	P	16 59 24.2		0.8	10	5.9
			eS	17 00 32.7				
SEP	19	USCGS	17 18 26.0, 17.8N, 146.2E, H = 188 Km, M = 4.2					
			MARIANA IS					
		PNS	ePKP	17 37 47				147.5
SEP	19	PNS	eP	18 28 50				
		LPB	P	18 28 55		1.0	40	
SEP	19	USCGS	19 01 47.5, 1.6S, 100.5E, H = 83 Km, M = 5.0					
			S SUMATRA					
		LPB	PKP	19 21 10.2		7.2	28	158.2
			eL	20 16.5				
		PNS	PKP	19 21 41.5		1.3	16	
			pPKP	22 01.5				
			i	30.0				
			eSS	45 59				
			eL	20 16.6				
SEP	19	USCGS	19 28 45.2, 36.3S, 52.2E, H = 33 Km, M = 5.4					
			ATLANTIC INDIAN RISE					
		PNS	eP	19 42 41.4		1.2	9	
SEP	20	PNS	iP	00 40 00.5	D			2.0
			iS	24.8				
		CHA	iP	00 40 02.5	D			
		LPB	iP	00 40 02.8	D	0.8	4	2.3
			iS	30.2				
		SCS	iP	00 40 09.8	D			
		CCH	P	00 40 23.2				
SEP	20	USCGS	00 32 44.3, 36.0N, 139.9E, H = 94 Km, M = 4.9					
			HONSHU, JAPAN					
		PNS	PKP	00 52 19.4		1.3	36	
			eL	01 42.9				
		LPB	PKP	00 52 20		1.1	15	148.4
			i	23.4				
			pPKP	41.7				
			eL	43				
		CHA	ePKP	00 52 22.6				
		CCH	PKP	00 52 28.0				
SEP	20	PNS	iP	01 04 28.9	D			2.0
			iS	52.6				
		CHA	iP	01 04 31.1	D			
		LPB	P	01 04 31.8		0.8	15	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	20	LPB	P	01 39 52.5		0.8	10	
			i	40 11.4				
		CCH	P	01 39 53.0				
		CHA	P	01 39 53.2				
		PNS	P	01 39 53.7		0.6	5	
			i	40 16.0				
		SCS	P	01 40 01.5				
SEP	20	USCGS	04 11 59.0, 17.3N, 85.9W, H = 38 Km, M = 4.7					
		CARIBBEAN SEA						
		LPB	eP	04 19 17				37.8
			eL	30				
		PNS	eL	04 30.2				
SEP	20	LPB	P	05 55 17.4				
SEP	20	PNS	P	07 08 12.1		1.2	18	
		CCH	iP	07 09 09.7	D			
			i	11.9				
SEP	20	PNS	eP	07 10 11				
		CHA	P	07 10 12.6				
		LPB	P	07 10 13.5		0.6	4	
SEP	20	PNS	P	07 21 05.5		1.0	10	
SEP	20	USCGS	09 33 54.1, 8.0S, 74.5S, H = 145 Km, M = 5.1					
		PERU BRAZIL BOR REG						
		PNS	iP	09 36 17.8	C			
			S	38 12				
		CHA	iP	09 36 21.1	C			
		LPB	P	09 36 23	C	0.?	306	10.3
			iS	38 17				
		SCS	iP	09 36 35.4	D			
		TRJ	iP	09 37 35.6	D			
		CCH	eP	09 36 47.1				
SEP	20	USCGS	09 39 15.2, 49.8S, 163.4E, H = 30 Km, M = 6.1					
		AUCKLAND IS REG						
		TRJ	eP	09 52 45.7				
		CCH	eP	09 52 55.8				
		LPB	eP	09 52 57.5		1.3	30	99.8
			SKS	10 30				
			L	10 26				
		PNS	eP	09 52 58.8		1.6	54	
			iSKS	03 40.0				
			eSS	11 28				
			L	10 25.9				
		SCS	eP	09 52 58.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	20	CCH	eP	09 56 47.1				
		LPB	eP	09 57 05				
		PNS	P	09 57 06.7				
SEP	20	USCGS	10 30 53.4, 49.8S, 163.4E, H = 19 Km, M = 5.8					
		AUCKLAND IS REG						
		LPB	eP	10 44 32.5				99.8
			i	40.3				
		PNS	eP	10 44 33				
			SS	11 03 10				
SEP	20	USCGS	10 37 20.3, 20.8S, 169.8E, H = 129 Km, M = 5.9					
		NEW HEBRIDES IS						
		LPB	ePKP	10 55 40		1.1	20	112.1
			eL	11 31				
		PNS	SS	11 12 23				
			eL	31.8				
SEP	20	USCGS	12 06 52.7, 49.8S, 163.8E, H = 33 Km, M = 5.2					
		AUCKLAND IS REG						
		PNS	P	12 20 32.9				99.5
SEP	20	CCH	P	12 31 52.0				
		LPB	eP	12 31 55		0.5	11	
		PNS	P	12 31 58.7	C	0.6	5	1.7
			S	32 20				
SEP	20	PNS	eP	13 48 41.9				9.6
			Pg	58.7				
			eS	50 30				
SEP	20	LPB	e(P)	14 41 40				
		PNS	eP	14 41 41.9				
SEP	20	USCGS	14 58 15.0, 49.7S, 163.6E, H = 33 Km, M = 5.4					
		AUCKLAND IS REG						
		LPB	eP	15 11 54				99.7
			eL	46				
		PNS	eP	15 11 58.7				
			eL	45.8				
SEP	20	PNS	eP	17 14 05				41.0
			S	20 14.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	20	USCGS	17 14 30.0, 23.7N, 44.2W, H = 33 Km, M = 4.5					
		N ATLANTIC RIDGE						
		LPB	eP	17 22 55				46.6
			eL	38				
		PNS	P	17 22 58.7		1.2	15	
			eL	37.4				
SEP	20	LPB	eP	17 36 32.6				4.8
		PNS	P	17 36 33.3		1.0	8	
			S	37 28.2				
SEP	20	LPB	eP	17 45 31.6				
		PNS	P	17 45 35.5		0.6	4	
SEP	20	USCGS	18 22 53.0, 13.7N, 146.0E, H = 70 Km, M = 4.3					
		S OF MARIANA IS						
		LPB	ePKP	18 42 18.5				147.0
		PNS	PKP	18 42 35.6				
			eL	19 32.7				
SEP	20	USCGS	18 38 25.0, 28.6S, 175.9W, H = 39 Km, M = 5.0					
		KERMADEC IS						
		LPB	eL	19 24				96.3
		PNS	L	19 24.2				
SEP	20	USCGS	19 46 43.0, 34.1S, 14.6W, H = 33 Km, M = 5.2					
		TRISTAN DA CUNHA REG						
		LPB	P	19 55 42		0.9	34	50.9
			eS	20 02 56				
			eL	11.5				
		PNS	P	19 55 46.2		0.9	18	
			e	57 06				
			eS	20 03 00				
			eL	20 11.3				
SEP	20	USCGS	20 16 57.5, 49.7S, 163.9E, H = 33 Km,					
		QUEKLAND IS REG						
		PNS	eP	20 30 36.6				99.7
			eL	21 04.5				
		LPB	eP	20 30 37				
			L	21 04				
SEP	20	PNS	P	21 11 54.2		0.8	3	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	20	USCGS	21 40 40.0, 57.3S, 24.1W, H = 33 Km,					
		S SANDWICH IS REG						
		PNS	eP	21 49 53.8				
		LPB	eP	21 49 56				51.9
			eL	22 05				
SEP	20	LPB	e(P)	22 00 01.5				
		PNS	eP	22 00 04.7		1.0	8	
SEP	20	USCGS	01 01 54.0, 31.2N, 115.9W, H = 33 Km, M = 5.1					
		BAJA CALIFORNIA						
		LPB	eP	00 12 39				66.5
			eL	33.8				
		PNS	eP	00 12 40				
			eL	33.7				
SEP	20	LPB	eP	00 48 52				
SEP	21	PNS	P	02 39 51.9	C	0.5	3	2.3
			S	40 20.4				
		LPB	eP	02 39 53.3				2.6
			S	40 24.8				
		CHA	P	02 39 53.7	C			
SEP	21	USCGS	03 19 06.0, 19.0N, 62.5W, H = 33 Km, M = 4.1					
		LEEWARD						
		LPB	eP	03 24 34				25.7
SEP	21	CHA	eP	03 25 56.3				
		PNS	eP	03 26 02				
		LPB	P	03 36 03.6		0.8	7	
		CCH	P	03 26 10.0				
		SCS	P	03 26 11.5	C			
SEP	21	LPB	eP	03 45 23				
		CCH	e(P)	03 45 27.3				
		PNS	e(P)	03 45 52				
SEP	21	LPB	iP	03 46 49.5	D	1.0	94	
		PNS	iP	03 46 49.9	C			2.0
			S	47 13.5				
		SCS	iP	03 46 50.6	D			
		CHA	iP	03 46 51.0	D			
		CCH	P	03 47 02.9	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	21	USCGS	03 31 33.0, 6.1S, 146.8E, H = 60 Km, M = 4.5					
		E NEW GUINEA REG						
		PNS	PKP	03 50 56.7				
		LPB	PKP	03 50 57.4		0.8	15	138.6
			eL	04 37				
		CCH	ePKP	03 50 58.1				
SEP	21	PNS	P	04 18 08.0		0.9	10	5.1
			S	19 07				
		CHA	P	04 18 12.9				
		LPB	P	04 18 13.3		0.9	7	
		CCH	eP	04 18 45.8				
SEP	21	USCGS	04 51 59.0, 31.4S, 71.0W, H = 67 Km, M = 4.1					
		NEAR CST OF CENTRAL CHILE						
		PNS	eP	04 55 32				
			ePP	50				
			eL	00.2				
		CCH	eP	04 55 32.3				
		LPB	eP	04 55 33				14.7
SEP	21	PNS	iP	05 14 04.9	D	0.8	17	1.9
			iS	27.7				
		LPB	eP	05 14 06				2.1
			eS	31.3				
		CHA	iP	05 14 07.1	D			
SEP	21	SCS	P	07 23 10.6	D			
		LPB	P	07 23 13.5	D	0.9	25	2.5
			iS	43.5				
		PNS	P	07 23 14.6	D	1.0	20	2.5
			iS	44.6				
		CHA	P	07 23 15.5				
		CCH	P	07 23 27.8				
SEP	21	PNS	eP	11 38 03				4.2
			eS	52				
		LPB	eP	11 38 04.2				
		CHA	eP	11 38 06.4				
		SCS	eP	11 38 15.6				
SEP	21	USCGS	11 54 19.9, 31.6S, 72.0W, H = 41 Km, M = 4.1					
		OFF CST OF CENTRAL CHILE						
		PNS	P	11 58 00		1.0	6	
		LPB	eP	11 57 58				15.0

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	21	PNS	eP	12 38 08.3		0.8	7	
			iPP	20.7				
			eS	29 03				
		LPB	eP	12 38 11.8		0.8	10	
		CHA	eP	12 38 14.2				
			i	16.8				
		SCS	P	12 38 15.6	D			
SEP	21	PNS	P	16 20 30.6	D	0.7	9	2.1
			S	55.5				
		LPB	eP	16 20 30.4		1.0	26	
		CHA	P	16 20 31.2	C			
		SCS	P	16 20 50.5	D			
SEP	21	TRJ	P	16 23 06.4	C			
		CCH	P	16 23 08.3				
		SCS	eP	16 23 10.8				
		LPB	eP	16 23 21.9				4.0
			eS	24 07.5				
		PNS	P	16 23 22.4		0.8	3	4.4
			S	24 13				
SEP	21	TRJ	eP	16 32 14.4				
		LPB	eP	16 32 50.4				
		PNS	P	16 32 53.5				
SEP	21	TRJ	e(P)	16 57 34				
		LPB	eP	16 57 45				
		PNS	P	16 57 47.5	D	0.8	6	
SEP	21	PNS	eP	17 39 41.9				
SEP	21	CCH	eP	17 48 28.6				
		PNS	P	17 48 46.5		1.2	13	
		LPB	eP	17 48 50.9				
SEP	21	PNS	P	18 05 08.4				
		LPB	eP	18 05 10.4				
SEP	21	PNS	P	19 20 16.1	D	0.6	14	2.0
			S	40				
		LPB	eP	19 20 17		0.8	12	
		SCS	eP	19 20 17.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	21	USCGS	19 12 41.0, 2.9S, 139.6E, H = 33 Km, NEAR N CST OF W NEW GUINEA					
		PNS	PKP	19 32 21.9		0.7	6	
			i	43.0				
		LPB	ePKP	19 32 22				146.7
			eL	20 23.5				
SEP	21	PNS	P	19 56 54.0		0.5	10	1.6
			S	57 14				
		CHA	P	19 56 56.5				1.9
			S	57 20.3				
		LPB	eP	19 57 01		0.7	17	2.0
			S	57 15.5				
SEP	21	USCGS	20 40 32.1, 57.7S, 23.6W, H = 33 Km, M = 5.2 S SANDWICH IS REG					
		LPB	eP	20 49 47		1.2	37	52.1
		PNS	eP	20 49 49.2		1.4	30	
			eS	57 03				
SEP	21	PNS	P	21 26 43.0		0.6	3	
SEP	21	PNS	eP	21 28 24.4				
		LPB	eP	21 28 28.5				
SEP	21	PNS	P	23 01 23.8		0.4	3	2.2
			S	50				
		LPB	eP	23 01 25				
SEP	22	TRJ	iP	01 22 45.1	D			2.3
			S	23 13.6				
		SCS	iP	01 23 15.2	C			
		LPB	P	01 23 24.6	C	0.8	22	
		CHA	P	01 23 26.4	D			
		PNS	iP	01 23 29.0	C	0.8	15	5.5
			S	24 32				
SEP	22	PNS	eP	02 35 41.7				
SEP	22	SCS	iP	03 30 53.6	D			
		LPB	iP	03 31 07.4	D	1.0	32	
		CHA	iP	03 31 09.5	D			
			S	34.9				
		PNS	iP	03 31 15.4	D	0.7	27	2.6
			S	46.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	22	SCS	eP	03 37 16.5				
		LPB	P	03 37 30.6				
		CHA	P	03 37 33.0	C			
		PNS	P	03 37 38.4				2.7
			S	38 10				
SEP	22	PNS	iP	03 56 39.6	C			2.5
			iS	57 10.0				
		CHA	iP	03 56 43.2	C			
		LPB	P	03 56 43.6		0.7	7	
		SCS	P	03 56 50.8	C			
SEP	22	TRJ	P	04 13 08.6				2.5
			S	38.4				
		LPB	P	04 13 51.1		0.8	4	
		PNS	P	04 13 55.1		0.4	3	
SEP	22	USCGS	05 03 57.9, 50.0N, 77.6E, M = 5.3, E KAZAKH SSR					
		LPB	ePKP	05 23 24.5				136.6
		PNS	ePKP	05 23 25.6				
SEP	22	USCGS	05 04 23.0, 1.8N, 84.9W, H = 33 Km, M = 4.1 OFF CST OF ECUADOR					
		PNS	P	05 09 39.3		0.9	12	
			eL	16.7				
		LPB	P	05 09 41.3		1.0	14	24.3
		SCS	eP	05 09 49.7				
SEP	22	LPB	P	06 06 34.7				
			i	37.6				
SEP	22	TRJ	P	06 44 29.9	D			2.7
			S	45 01.6				
SEP	22	USCGS	08 08 04.3, 0.7S, 20.1W, H = 33 Km, M = 5.3 CENTRAL MID-ATLANTIC RIDGE					
		TRJ	P	08 16 45.4	C			
		LPB	P	08 16 56.4		1.1	67	49.5
			S	24 08				
			L	32				
		SCS	P	08 16 57.4	C			
		PNS	P	08 17 00.5		1.3	43	
			ePP	18 57.7				
			S	24 19				
			eG	28.5				
			eL	32				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	22	LPB	ePKP	10 37 13.5				138.1
			e	22.7				
			pPKP	35.4				
			SS	58 22				
			eL	11 23.8				
		SCS	ePKP	10 37 17.5				
		PNS	ePKP	10 37 18.7				
			e	23.6				
			i	36.5				
			ePKS	40 48.6				
			eSS	58 18				
			eL	23.4				
		TRJ	ePKP	10 37 26.4				
SEP	22	USCGS	11 19 21.4, 44.3N, 149.4E, H = 50 Km, M = 4.4					
		KURILE IS						
		PNS	ePKP	11 38 44.4				
			eL	12 25				
		LPB	ePKP	11 38 45				138.1
SEP	22	TRJ	eP	11 38 50.8				
		SCS	P	11 39 21.3				
		PNS	P	11 39 28.1		0.5	2	2.5
			S	57.8				
SEP	22	USCGS	12 34 51.6, 44.4N, 149.4E, H = 51 Km, M = 4.8					
		KURILE IS						
		LPB	ePKP	12 54 13				138.1
			eL	13 40				
		PNS	ePKP	12 54 13				
		TRJ	ePKP	12 54 47.3				
SEP	22	SCS	eP	13 22 49.7				
		PNS	eP	13 22 50.6				4.0
			S	23 36.9				
		LPB	eP	13 22 51.3				
SEP	22	TRJ	P	14 54 32.9				
		PNS	eP	14 55 01				
		LPB	eP	14 55 01.8				
SEP	22	TRJ	iP	15 28 14.6	C			2.9
			S	48.6				
		PNS	P	15 28 59.7				5.8
			S	30 06.2				
		LPB	eP	15 29 01.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	22	PNS	eP	16 37 36.2		0.6	4	
		LPB	eP	16 37 42.9				
SEP	22	LPB	P	17 11 45.6				
SEP	22	PNS	P	18 48 01.4				
SEP	22	CCH	eP	19 41 51.8				
		SCS	eP	19 42 18.3				
		PNS	eP	19 42 23.8				3.7
			S	43 06.7				
		LPB	eP	19 42 24.3				
SEP	22	SCS	eP	19 54 49.5				
		LPB	P	19 54 50.3	D	0.9	14	
		PNS	P	19 54 50.8	D	0.6	17	2.1
			S	55 15.4				
SEP	22	PNS	P	20 23 17.0		0.6	4	
		LPB	eP	20 23 19				
SEP	22	USCGS	20 48 26.7, 4.6S, 153.0E, H = 76 Km, M = 5.0					
		NEW IRELAND REG						
		LPB	ePKP	21 07 40.5		0.7	7	134.8
			eL	52				
		PNS	PKP	21 07 41.0		0.9	8	
SEP	22	PNS	P	21 11 10.2		0.8	5	
		SCS	eP	21 11 11.4				
		LPB	eP	21 11 12.5				
SEP	22	PNS	P	22 01 22.4	C	0.5	3	
SEP	22	USCGS	22 11 48.0, 36.2N, 71.4E, H = 127 Km, M = 4.7					
		APGHANISTAN-USSR BOR REG						
		PNS	PKP	22 31 03.2				139.0
SEP	22	LPB	eP	22 53 22				
		PNS	P	22 53 23.0				2.6
			eS	54				
SEP	22	PNS	P	23 04 57.0	D	0.7	4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	23	LPB	eP	23 47 23				
		PNS	P	23 47 23.2		1.0	10	
			e(S)	56 13				
SEP	23	USCGS	23 53 13.0, 8.9S, 109.7W, H = 33 Km, M = 4.7					
			N EASTER IS CORDILLERA					
		PNS	P	00 00 54.0		0.9	17	
			S	07 08				
			L	13				
		LPB	P	00 00 56.7		1.0	12	41.0
			eS	07 14				
			L	13				
SEP	23	PNS	iP	00 10 22.3	D	0.9	22	
		LPB	eP	00 10 25.3				
		CCH	P	00 11 10.6				
		SCS	P	00 11 35.2	D			
SEP	23	USCGS	00 08 55.0, 9.5S, 109.7W, H = 33 Km, M = 4.3					
			N EASTER IS CORDILLERA					
		PNS	P	00 16 34.7		0.8	7	
			eS	22 41				
			eL	28.7				
		LPB	eP	00 16 37.5		0.8	9	41.0
			eL	28.8				
SEP	23	PNS	iP	01 07 22.8		0.8	5	
		LPB	eP	01 07 23.6				
SEP	23	USCGS	01 55 45.8, 14.7N, 146.0E, H = 110 Km, M = 4.7					
			MARIANA IS					
		LPB	ePKP	02 15 18		0.9	10	147.1
			eL	03 05				
		PNS	PKP	02 15 19.7		0.9	8	
		SCS	PKP	02 15 21.1	D			
SEP	23	LPB	eP	02 23 19.6				
		PNS	eP	02 23 22				
SEP	23	LPB	P	02 31 46.6		0.6	8	
SEP	23	PNS	eP	02 58 58.2				
		LPB	eP	02 59 00.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	23	USCGS	03 22 59.7, 17.7S, 178.7W, H = 567 Km, M = 5.0					
			FIJI IS REG					
		LPB	eL	04 11				103.5
SEP	23	LPB	eP	05 02 42.7				
		PNS	eP	05 02 45.5				
SEP	23	PNS	eP	06 43 07				
		LPB	eP	06 43 08.4				
SEP	23	PNS	eP	06 48 48				
		LPB	eP	06 48 49.7				
SEP	23	USCGS	06 56 43.6, 21.8S, 179.7W, H = 595 Km, M = 5.4					
			FIJI IS REG					
		LPB	eP	07 09 39.5				102.6
			L	44.6				
		PNS	P	07 09 41.4		1.0	9	
			ePPP	14 00				
			SS	28 33				
			eL	44.8				
SEP	23	USCGS	07 02 03.3, 49.7S, 164.0E, H = 15 Km, M = 5.7					
			AUCKLAND IS REG					
		LPB	eP	07 14 49.6		1.5	27	99.5
			PP	19 54				
			eS	26 28				
			eL	49				
		PNS	P	07 15 50.0		1.4	17	
			PP	19 53.2				
SEP	23	USCGS	07 39 47.8, 22.1S, 179.6W, H = 600 Km, M = 4.6					
			S OF FIJI IS					
		LPB	eP	07 52 24				102.6
			eL	08 28				
SEP	23	USCGS	09 13 12.3, 51.6N, 172.7E, H = 45 Km, M = 4.8					
			NEAR, ISLANDS ALEUTIAN IS					
		PNS	PKP	09 32 01.8		1.2	4	
		LPB	ePKP	09 32 03				121.0
			eL	10 10				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	23	LPB	eP	09 39 49.3		1.0	27	
		PNS	eP	09 39 50.9				
SEP	23	PNS	P	14 46 00.6		0.5	2	
SEP	23	PNS	eP	15 00 00				1.8
			eS	21.6				
		LPB	eP	15 00 01				
		SCS	P	15 00 21.6	D			
SEP	23	PNS	P	17 52 16.2				
SEP	23	LPB	eP	18 31 32.7				2.7
			S	32 04.5				
		PNS	P	18 31 36.8		0.5	4	2.4
			S	32 05.7				
SEP	23	PNS	eP	20 16 27				
SEP	23	LPB	eP	21 19 52.3				
		PNS	P	21 19 54.6	C	0.7	6	4.8
			eS	20 50				
SEP	23	USCGS	21 58 06.0, 40.4S, 16.7W, H = 33 Km, M = 4.8					
		S ATLANTIC RIDGE						
		LPB	eP	22 07 06.5				50.2
			eL	22				
		PNS	eL	22 22.6				
SEP	23	USCGS	22 43 16.6, 29.6S, 179.3W, H = 347 Km, M = 4.5					
		KERMADEC IS						
		LPB	eP	22 56 21				99.0
			eL	23 30				
		PNS	eP	22 56 54				
SEP	23	PNS	eP	23 11 45				13.4
			eS	14 14				
		LPB	eP	23 11 47.1				
SEP	24	USCGS	00 57 09.7, 4.6N, 128.6E, H = 33 Km, M = 5.3					
		N OF HALMAHERA						
		LPB	PKP	01 17 06		1.4	31	159.3
			PKP2	49.9				
		TRJ	ePKP	01 17 08.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	PKP	01 17 08.6		1.5	34	
			PKP	49.5				
			eSS	41 35				
		SCS	iP	01 17 46.8	D			
SEP	24	TRJ	iP	03 04 23.3	C			
		CCH	eP	03 04 48.4				
		SCS	P	03 04 57.0	D			
		LPB	P	03 05 06.7		0.8	7	7.7
			S	06 33.8				
		PNS	iP	03 05 10.9	C	0.8	11	7.9
			iS	06 40				
SEP	24	PNS	P	03 19 16.8		0.3	2	1.8
			S	39.2				
SEP	24	PNS	P	03 22 39.7	C	0.7	9	1.8
			S	23 01.5				
		LPB	eP	03 22 44.2				
SEP	24	PNS	eP	05 04 06.2				2.2
			eS	32				
		LPB	eP	05 04 08				
SEP	24	LPB	P	05 32 33.8		0.7	8	
		PNS	iP	05 32 34.3		0.6	4	
SEP	24	USCGS	06 10 16.2, 2.8N, 128.5E, H = 226 Km, M = 5.4					
		HALMAHERA						
		CCH	ePKP	06 29 33.8				
		PNS	ePKP	06 29 51.6		1.2	13	
			i	30 44				
			PKP2	29.3				
			eL	07 24.9				
		LPB	PKP	06 29 52		1.0	10	158.4
			PKP2	30 29				
			eL	07 25				
		SCS	P	06 30 25.6				
SEP	24	CCH	P	07 45 02.1				
			i	03.3				
		TRJ	P	07 45 13.5				
		SCS	P	07 45 21.6	D			
		LPB	eP	07 45 34.4				
			i	42.2				
		PNS	P	07 45 38.8				5.9
			i	51.4				
			S	46 47				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	24	USCGS	07 48 36.4, 6.2S, 146.9E, H = 84 Km, M = 5.1					
		E NEW GUINEA REG						
		SCS	PKP	08 07 46.1				
			i	55.7				
		LPB	ePKP	08 07 47		1.0	18	138.6
			ePKS	11 10				
			eSS	28 40				
			eL	54				
		PNS	PKP	08 07 48.6		1.1	14	
			ePKS	11 10.0				
			eL	54				
		CCH	PKP	08 07 51.8				
			i	08 00.3				
SEP	24	LPB	eP	08 19 58.4				
			S	20 26.4				
		PNS	P	08 19 59.1	D	0.4	2	1.8
			S	20 20.9				
SEP	24	PNS	eP	09 05 24.8				
SEP	24	USCGS	09 14 48.0, 16.1S, 167.0E, H = 33 Km,					
		NEW HEBRIDES IS						
		PNS	eL	10 51.9				
		LPB	eL	10 52				116.5
SEP	24	CCH	P	09 53 47.0				0.9
			S	59.1				
		SCS	eP	09 53 53.0				
		LPB	eP	09 53 53.7				1.5
			eS	54 12.8				
		PNS	eP	09 54 01.6				2.0
			S	26				
SEP	24	USCGS	11 58 37.0, 30.5N, 142.5E, H = 33 Km, M = 4.4					
		S OF HONSHU, JAPAN						
		LPB	ePKP	12 18 24				148.5
			eL	13 09				
		PNS	iPKP	12 18 24.3	C	0.8	4	
SEP	24	PNS	P	12 44 31.8	D	0.4	3	3.4
			S	45 12				
		LPB	eP	12 44 36.7				
SEP	24	TRJ	iP	14 01 00.3	C			
SEP	24	USCGS	15 01 38.0, 25.1N, 123.6E, H = 143 Km, M = 4.3					
		NE OF TAIWAN						
		LPB	eL	17 20				166.0
		PNS	eL	17 20.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	24	TRJ	eP	16 32 27.5				
		LPB	P	16 32 55		0.5	7	
		PNS	P	16 32 53.0	C	0.6	4	
SEP	24	LPB	eP	16 40 02.0				
		PNS	eP	16 40 05.7				
		TRJ	P	16 40 15.0				
SEP	24	PNS	eP	18 49 54.9				
SEP	24	LPB	eP	19 50 07.6				
		PNS	eP	19 50 08				
SEP	24	USCGS	20 17 49.0, 27.6N, 141.5E, H = 33 Km, M = 4.5					
		BONIN IS REG						
		PNS	ePKP	20 37 35.6		0.9	6	
			i	40.6				
			eL	29.2				
		SCS	eP	20 37 37.8				
		LPB	ePKP	20 37 40.2				150.3
SEP	24	USCGS	20 19 08.0, 71.7W, H = 49 Km,					
		NR CST OF CENTRAL CHILE						
		CCH	eP	20 22 45.4				
		PNS	eP	20 22 58.2		1.5	14	
		LPB	eP	20 22 59.7				16.2
SEP	24	PNS	P	22 21 07.4		0.5	6	
SEP	24	LPB	eP	22 28 10				
			e	33.8				
		PNS	eP	22 28 15.2				
			e	35.8				
		CCH	eP	22 28 23.6				
SEP	24	PNS	P	23 44 33.4		0.6	4	
SEP	25	USCGS	01 11 51.0, 29.5N, 141.5E, H = 17 Km, M = 4.8					
		S OF HONSHU, JAPAN						
		PNS	ePKP	01 31 39				
			eL	02 23.2				
		LPB	eL	02 23				149.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	25	USCGS	04 00 40.0, 15.8S, 75.1W, H = 16 Km, M = 4.4					
		NEAR CST OF PERU						
		PNS	eP	04 02 21.7		0.4	10	
			S	03 46.6				
			iPg	04 47.0				
		TRJ	P	04 03 22.9				
		LPB	eP	04 02 25				7.0
		SCS	eP	04 02 28.1				
		CCH	eP	04 02 53.4				
SEP	25	USCGS	04 03 50.0, 15.9S, 75.2W, H = 33 Km, M = 4.7					
		NEAR CST OF PERU						
		PNS	P	04 05 30.8				
			S	06 55				
			L	07.4				
		LPB	P	04 05 31.2		1.0	110	7.0
			S	06 53				
			L	07.2				
		SCS	iP	04 05 36.8	D			
		CCH	eP	04 06 00.9				
		TRJ	P	04 06 32.2	C			
SEP	25	USCGS	04 38 26.2, 15.1S, 173.4W, H = 63 Km, M = 5.0					
		TONGA IS						
		LPB	eL	05 25				99.4
		PNS	eL	05 25.9				
SEP	25	USCGS	04 54 29.3, 6.9S, 154.8E, H = 35 Km, M = 5.0					
		SOLOMON IS						
		PNS	ePKP	05 13 43.4				
			eSS	35				
			eL	05 56.8				
		LPB	eL	05 57				131.4
SEP	25	SCS	eP	05 23 16.5	D			
		TRJ	iP	05 23 21.1	D			
		CCH	iP	05 23 27.6	C			
		LPB	iP	05 23 29.3	D	1.6	344	
		PNS	iP	05 23 32.4	D			7.1
			S	24 52.7				
SEP	25	PNS	eP	06 01 45				11.9
			eS	03 58				
		LPB	eP	06 01 50.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	25	USCGS	06 18 26.0, 20.3S, 177.7W, H = 462 Km, M = 4.2					
		FIJI IS REG						
		PNS	eL	07 05.9				
		LPB	eL	07 06				101.6
SEP	25	USCGS	07 00 45.0, 9.8N, 126.6E, H = 31 Km, M = 5.3					
		MINDANAO, PHILIPPINE IS						
		PNS	ePKP	07 20 50.8				163.9
			SS	45 58				
			eL	08 18.6				
SEP	25	USCGS	08 10 06.7, 17.7N, 61.5W, H = 35 Km, M = 4.6					
		LEEWARD IS						
		PNS	P	08 16 52.6		0.5	2	
		LPB	P	08 16 54.2		1.0	8	34.9
			L	27.1				
		SCS	P	08 16 57.4	D			
		TRJ	P	08 17 23.9				
SEP	25	PNS	eP	08 44 02.8				
SEP	25	USCGS	08 51 49.4, 17.7N, 61.6W, H = 48 Km, M = 4.8					
		LEEWARD IS						
		LPB	P	08 58 36.8		0.5	7	34.9
			L	09 09				
		PNS	eP	08 58 34.5		0.6	3	
			L	09 08.7				
		SCS	P	08 58 39.0	C			
		CCH	eP	08 58 40.1				
		TRJ	P	08 59 12.0				
SEP	25	USCGS	09 11 37.7, 17.0N, 145.4E, H = 252 Km, M = 5.1					
		MARIANA IS						
		LPB	PKP	09 30 52.4		1.2	12	148.0
			eL	10 21				
		PNS	ePKP	09 30 52.4		1.4	24	
			iPKP2	59.4				
			pPKP	31 52				
			eS	53 31				
			eG	10 12.4				
			eL	21.4				
		SCS	PKP	09 30 53.7	D			
		CCH	ePKP	09 31 00.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	25	PNS	P	09 48 27.7				
SEP	25	PNS	eP	09 58 09				
		LPB	P	09 58 13.2				
SEP	25	TRJ	eP	11 10 56.7				
		PNS	eP	11 11 04				
SEP	25	USCGS	13 03 06.9, 3.6N, 126.6E, H = 78 Km, M = 5.3					
		TALAUD IS						
		PNS	ePKP	13 22 58.7				160.1
		LPB	eL	14 19				
SEP	25	LPB	eP	14 34 14.7				
		PNS	eP	14 34 17				
SEP	25	PNS	eP	15 24 28.8				4.8
			eS	25 24				
SEP	25	USCGS	17 03 54.2, 3.2N, 125.5E, H = 116 Km, M = 5.3					
		TALAUD IS						
		PNS	PKP	17 23 45.4		1.4	27	
			eL	18 20.3				
		LPB	PKP	17 23 45.9		1.2	37	160.6
SEP	25	PNS	P	17 31 59.1		0.5	3	2.0
			eS	32 23.3				
SEP	25	USCGS	17 48 15.4, 30.5N, 142.5E, H = 33 Km, M = 4.3					
		S OF HONSHU JAPAN						
		PNS	ePKP	18 07 56.8		0.6	3	
			PKP2	08 03.6				
			eL	18 58.7				148.4
		LPB	ePKP	18 08 02				
			eL	58				
SEP	25	USCGS	19 35 04.0, 17.8S, 178.2W, H = 426 Km, M = 4.4					
		FIJI IS REG						
		LPB	eL	20 23				102.6
		PNS	eL	20 23.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	25	SCS	eP	19 54 33.1				
		PNS	P	19 54 44.3				2.8
			S	55 17.2				
		LPB	eP	19 54 44.9				2.8
			eS	55 18.4				
		CHA	P	19 54 45.3				
SEP	25	USCGS	19 45 40.6, 60.3N, 151.4W, H = 70 Km, M = 4.0					
		KENAR PENINSULA, ALASKA						
		PNS	eSKS	20 10 12				101.0
			eL	33.8				
SEP	25	PNS	eP	20 52 22.8				2.8
			eS	56				
		LPB	eP	20 52 30.4				
SEP	25	PNS	eP	22 33 10		0.8	5	
		LPB	eP	22 33 12.2		0.6	10	
SEP	25	USCGS	23 38 39.0, 16.3N, 96.4W, H = 29 Km, M = 3.8					
		OAXACA, MEXICO						
		PNS	eL	00 59.8				42.8
SEP	26	USCGS	01 35 04.0, 17.5S, 73.3W, H = 22 Km, M = 4.5					
		OFF CST OF PERU						
		PNS	iP	01 36 16.9	C	0.9	39	
			S	37 12				
		CHA	iP	01 36 21.2	D			
		LPB	P	01 36 22.2	C	1.4	90	5.0
		SCS	iP	01 36 30.9	D			
		CCH	iP	01 36 47.8	D			
		TRJ	iP	01 37 23.9	C			
SEP	26	PNS	P	02 56 07.5		0.8	4	
		LPB	eP	02 56 08.5		0.9	8	
SEP	26	USCGS	04 20 56.0, 12.2N, 140.7E, H = 33 Km, M = 5.0					
		W CAROLINE IS						
		PNS	ePKP	04 40 45.4		1.3	15	
			eL	05 32.6				
		LPB	ePKP	04 40 46.5		1.0	8	151.2
		CHA	PKP	04 40 50.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		SCS	e	16 14 29.1				
			P	33.8				
		LPB	P	16 14 37.8		1.3	30	13.5
			i	41.2				
			S	17 14				
		CCH	P	16 14 37.5				
		PNS	e	16 14 38.1		1.4	680	
		CHA	e	16 14 38.2				
			P	43.2				
SEP	26	PNS	eP	16 23 31				
SEP	26	PNS	iP	16 35 01.8	D	0.8	13	
		SCS	eP	16 35 07.9				
SEP	26	USCGS	17 05 55.0, 7.1S, 155.8E, H = 94 Km, M = 5.7					
		SOLOMON IS						
		LPB	ePKP	17 24 58				130.5
			eL	18 08				
		PNS	P	17 24 58.2		1.3	22	
			PKS	28 24.8				
			eL	18 08.7				
SEP	26	PNS	eP	23 42 41.8		0.6	3	10.2
			eS	44 36				
		LPB	eP	23 42 43.5				
SEP	27	LPB	P	00 34 48.4	D			2.4
			S	35 17.1				
		CHA	P	00 34 48.7	C			
		PNS	P	00 34 49.8	D	0.5	4	2.5
			S	35 19.8				
SEP	27	USCGS	00 25 48.0, 51.2N, 175.5E, H = 33 Km, M = 4.4					
		RAT IS ALEUTIAN IS						
		LPB	ePKP	00 44 09				119.0
			eL	01 22				
		PNS	ePKP	00 44 36				
			eL	01 22.5				
SEP	27	PNS	iP	00 53 02.7	C	0.3	6	1.4
			S	20.9				
		CHA	P	00 53 04.0				1.7
			S	25.3				
SEP	27	LPB	P	00 54 33.6		0.6	28	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	27	LPB	P	01 27 49.9	C	0.7	15	
		CHA	P	01 27 51.7	D			
		PNS	P	01 27 53.3	C	0.8	11	7.8
			S	29 21.8				
SEP	27	PNS	eP	05 34 07.5				
SEP	27	USCGS	06 02 39.5, 7.3S, 81.3W, H = 37 Km, M = 5.1					
		OFF CST OF N PERU						
		PNS	P	06 06 16.2		1.2	12	
			eSS	09 30				
			eL	10.7				
		CHA	eP	06 06 18.3				
		LPB	P	06 06 21.6		1.0	20	15.4
SEP	27	PNS	eP	06 25 40.9				
SEP	27	USCGS	06 19 17.4, 36.3N, 141.0E, H = 45 Km, M = 4.2					
		NEAR E CST OF HONSHU, JAPAN						
		PNS	ePKP	06 38 58.6				
		LPB	ePKP	06 38 59				147.6
SEP	27	PNS	eP	07 49 06				
		LPB	P	07 49 06.1		0.7	6	
SEP	27	USCGS	08 03 28.0, 8.3S, 123.9E, H = 127 Km, M = 4.7					
		FLORES IS REG						
		LPB	ePKP	08 23 02.4				152.5
		PNS	ePKP	08 23 05.5				
			eL	09 15.6				
SEP	27	LPB	P	09 18 28.4				
		PNS	P	09 18 31.3		0.4	3	
SEP	27	USCGS	09 32 38.8, 11.4S, 166.3E, H = 92 Km, M = 4.5					
		SANTA CRUZ IS						
		LPB	ePKP	09 51 18				119.6
		PNS	ePKP	09 51 21				
SEP	27	USCGS	10 41 17.0, 30.4S, 70.9W, H = 84 Km, M = 4.1					
		CHILE ARGENTINA BOR REG						
		LPB	eP	10 44 30.8				13.6
		CHA	eP	10 44 34.9				
		PNS	P	10 44 36.8		1.1	8	
			eS	48 58				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	27	TRJ	eP	11 24 09.7		0.5	4	0.8
		PNS	P	11 24 12.0				
			S	22.6				
		LPB	eP	11 24 13				
		CHA	P	11 24 18.3				
SEP	27	PNS	P	11 46 43				5.7
			eS	47 48.2				
		CHA	eP	11 46 47.2				
SEP	27	USCGS	12 31 48.0, 35.5N, 141.5E, H = 33 Km, NEAR E CST OF HONSHU, JAPAN					
		LPB	eL	13 40				147.6
SEP	27	LPB	P	15 23 01.3		1.1	200	
		CHA	P	15 23 02.7	C			
		CCH	eP	15 23 03.6				
		TRJ	P	15 23 09.2	D			
		PNS	eS	15 24 11.6				
SEP	27	PNS	eP	15 41 18		0.5	3	1.9
			S	40.8				
		LPB	eP	15 41 21.9				
SEP	27	PNS	P	15 57 10.5	D	0.5	3	
SEP	27	PNS	P	16 37 07.9		0.6	3	
		LPB	eP	16 37 08.2				
		TRJ	P	16 37 00.7				
SEP	27	PNS	P	17 11 11.2	C	1.0	22	
		LPB	P	17 11 14.1	C	0.9	9	
		CCH	P	17 11 24.4	C			
		TRJ	P	17 11 47.7	D			
SEP	27	LPB	eP	17 39 14.2				
		PNS	eP	17 39 15				
SEP	27	PNS	P	19 58 52.7		0.4	3	
SEP	28	LPB	eP	00 36 39.3				
		PNS	iP	00 36 39.8	D	0.6	10	1.9
			S	37 02.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	28	USCGS	00 26 52.0, 16.0S, 175.2W, H = 283 Km, M = 4.5 TONGA IS					
		LPB	eP	00 39 44.5				100.8
			eL	01 15				
		PNS	eSKS	00 51 06				
SEP	28	USCGS	02 53 48.4, 42.0N, 79.5E, H = 33 Km, M = 4.8 ALMA-ATA REG					
		LPB	ePKP	03 13 09				142.0
			eL	04 01				
		PNS	ePKP	03 13 16				
SEP	28	USCGS	03 00 00.0, 0.0N, 123.3E, H = 154 Km, M = 5.3 N CELEBES					
		PNS	ePKP	03 19 44		1.4	28	
			pPKP	20 26.5				
			eSS	44 08				
			eL	04 15.6				
		LPB	ePKP	03 19 46				159.7
			eL	04 15				
SEP	28	USCGS	03 00 30.5, 52.2N, 171.0W, H = 48 Km, M = 5.1 FOX IS ALEUTIAN IS					
		LPB	ePKP	03 19 06				110.7
			eL	53				
		PNS	eSS	03 35 08				
			eL	53				
SEP	28	USCGS	04 56 56.3, 6.6S, 153.4E, H = 44 Km, M = 5.9 NEW BRITAIN REG					
		PNS	ePKP	05 15 54		0.9	5	
			pPKP	16 04.6				
			PP	18 13.6				
			PKS	18 13.6				
			G	51.2				
			eL	05 59.9				
		LPB	ePKP	05 15 55.7				132.7
			pPKP	16 01.6				
			PKS	19 41.5				
			eSS	36 14				
			eL	59.8				
		CCH	ePKP	05 15 59.1				
			pPKP	16 14.6				
		TRJ	ePKP	05 15 59.9				
			pPKP	16 11.7				
		CHA	eP	05 16 00.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	28	LPB	P	06 35 03.4		0.5	19	
SEP	28	CCH	P	06 37 05.0	C			
		LPB	eP	06 37 12.2				
		CHA	P	06 37 12.5	C			
		PNS	P	06 37 15.2		0.6	5	
SEP	28	USCGS	08 24 51.0, 6.6S, 153.8E, H = 33 Km, NEW BRITAIN REG					
		PNS	eL	09 27.6				132.3
SEP	28	PNS	P	12 14 03.7		0.4	3	
SEP	28	PNS	P	13 18 41.1		0.7	4	2.6
			S	19 12.4				
SEP	28	USCGS	15 44 55.7, 59.5N, 147.1W, H = 28 Km, M = 5.6 GULF OF ALASKA					
		LPB	eP	15 58 30				98.5
		PNS	eP	15 58 32				
			SS	16 16 54				
			eL	31				
SEP	28	PNS	eP	16 41 25.7		0.5	4	
SEP	28	CCH	eP	17 45 18.2				
		TRJ	eP	17 45 30.1				
		LPB	eP	17 45 36.2				
		PNS	eP	17 45 44		0.6	2	5.0
			eS	46 52.4				
SEP	28	USCGS	19 03 36.0, 6.9S, 129.4E, H = 115 Km, M = 5.1 BANDA SEA					
		TRJ	P	19 23 08.9				
		LPB	ePKP	19 23 10		0.9	34	151.0
			eL	20 15				
		PNS	PKP	19 23 10.8				
			i	19.0				
			pPKP	36.0				
			i	59.0				
			eL	20 15				
		CHA	P	19 23 18.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	28	PNS	eP	19 29 28.6				
			e	30 24				
SEP	28	LPB	P	20 09 29.7		0.7	42	
		CHA	iP	20 09 30.4	C			
		PNS	iP	20 09 31.4	C	0.6	18	2.1
			S	56.0				
SEP	28	PNS	eP	21 19 05				
SEP	28	PNS	P	23 08 49.1				3.7
			S	09 32				
		CHA	eP	23 08 53.2				
SEP	28	USCGS	23 52 03.0, 6.6S, 153.3E, H = 33 Km, M = 4.7 NEW BRITAIN REG					
		LPB	ePKP	00 11 20				132.7
			eL	55				
		PNS	ePKP	00 11.20				
SEP	29	PNS	eP	01 55 59				
SEP	29	PNS	eP	02 12 44				
		CHA	eP	02 12 48.0				
SEP	29	USCGS	02 48 17.0, 20.1S, 69.3W, H = 94 Km, M = 4.0 NARTHERN CHILE					
		LPB	iP	02 49 13.8	C			3.6
		CHA	iP	02 49 15.3	D			
		PNS	iP	02 49 16.2	D			
			S	58				
		TRJ	P	02 49 23.6	D			
SEP	29	USCGS	05 18 49.6, 12.3N, 91.2W, H = 33 Km, M = 5.2 OFF COAST OF CENTRAL AMERICA					
		PNS	P	05 25 51.5		1.1	21	
			i	26 16.0				
			eS	34 10				
			eL	37.1				
		LPB	eP	05 25 55.1				36.7
			eL	37				
		CHA	eP	05 25 57.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	29	USCGS		07 19 35, 19.8S, 174.0W, H = 33 Km, M = 4.6				
		TONGA IS						
		PNS	eP	07 33 09				98.1
		LPB	eP	07 33 10				
			eL	08 07				
SEP	29	PNS	eP	09 33 35				2.2
SEP	29	PNS	eP	09 39 46.7				
			S	40 13.8				
SEP	29	USCGS		10 45 29.3, 16.6N, 97.5W, H = 59 Km, M = 4.4				
		OAXACA, MEXICO						
		LPB	eP	10 53 24				43.6
			eL	11 06				
		PNS	eP	10 53 29.2				
			i	53 35.6				
			eL	11 06.4				
SEP	29	PNS	P	11 01 50.0		0.4	3	2.3
			S	02 18				
		LPB	eP	11 01 54.4				
SEP	29	PNS	P	11 11 08.9		0.4	3	2.0
			S	11 33				
SEP	29	LPB	eP	11 44 45.2				
		CHA	P	11 44 46.2				
		PNS	P	11 44 48.3	C	0.5	9	2.3
			S	46 15				
SEP	29	PNS	eP	11 55 40.2				2.0
			iS	56 04.5				
SEP	29	PNS	P	12 51 16.6		0.7		4.0
			S	52 02.6				
		CHA	P	12 51 18.8				
		LPB	eP	12 51 53.2				
SEP	29	PNS	P	13 21 20.0		0.8	4	3.4
			eS	22 00.4				
SEP	29	PNS	P	13 51 13.2		0.7	7	4.2
			S	52 02.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	29	USCGS		15 05 18.9, 4.6N, 37.5W, H = 33 Km, M = 4.9				
		CENTRAL MID-ATLANTIC						
		CCH	eP	15 12 50.9				
		LPB	eP	15 13 01.5				41.3
		PNS	P	15 13 02.8	D	1.3	54	
			i	13 08.8				
			eL	25.3				
SEP	29	USCGS		15 13 26, 6.4S, 153.4E, H = 44 Km, M = 4.7				
		NEW BRITAIN REG						
		LPB	eL	16 16				
		PNS	eL	16 16.6				
SEP	29	USCGS		15 40 46.9, 16.2N, 98.4W, H = 35 Km, M = 5.0				
		NEAR CST OF GUERRERO, MEXICO						
		LPB	eP	15 48 30				44.1
			eS	55 14				
			eL	16 02				
		PNS	eS	15 55 24				
SEP	29	USCGS		15 50 31, 16.6N, 98.2W, H = 42 Km, M = 4.5				
		NEAR CST OF GUERRERO, MEXICO						
		PNS	P	15 58 37.1		0.9	8	
			eL	16 11.8				
		LPB	eP	15 58 41.3				44.1
			eL	16 11				
SEP	29	PNS	eP	16 37 38				0.9
			eS	37 50				
SEP	29	LPB	eP	17 26 09.3				
		CHA	P	17 26 10.8				
		PNS	iP	17 26 13.6	C	0.5	11	
SEP	29	PNS	P	19 02 58.1				
SEP	29	PNS	P	20 12 59				5.1
			e	13 19.5				
			iS	13 57.8				
SEP	29	USCGS		20 13 03, 14.2S, 168.4E, H = 41 Km, M = 4.1				
		NEW HEBRIDES IS						
		PNS	eL	21 08.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	29	PNS	eP	21 03 19.5				3.7
			eS	04 03				
		LPB	eP	21 03 24.3				
SEP	29	USCGS	22 21 14.7, 49.9S, 163.5E, H = 33 Km, M = 5.1					
		AUCKLAND IS REG						
		PNS	eSS	22 53 33				
			eL	23 08.8				
		LPB	eL	23 09				99.9
SEP	30	CHA	eP	00 01 58.7				
		PNS	eP	00 02 05.6				3.2
			S	02 43.6				
		LPB	eP	00 02 07				
		CCH	eP	00 02 23.4				
SEP	30	USCGS	00 57 25.3, 4.9S, 152.1E, H = 78 Km, M = 4.5					
		NEW BRITAIN REG						
		LPB	ePKP	01 16 34				134.1
			eL	02 01				
		PNS	ePKP	01 16 39.5				
SEP	30	USCGS	02 34 39, 63.6W, 22.8W, H = 33 Km, M = 4.3					
		ICELAND REG						
		PNS	eP	02 47 23.5				
			eL	03 16.3				
		LPB	eL	03 16				87.2
SEP	30	LPB	P	04 11 31.3		0.5	7	
			i	11 35.5				
SEP	30	USCGS	04 20 24, 63.8N, 22.4W, H = 33 Km, M = 4.4					
		ICELAND REG						
		PNS	eP	04 33 08.5				
SEP	30	LPB	eP	04 39 47.6				
		PNS	eP	04 39 49				13.9
			S	42 23				
		CCH	eP	04 39 55.9				
SEP	30	USCGS	04 30 08, 63.8N, 22.7W, H = 33 Km, M = 4.4					
		ICELAND REG						
		PNS	eP	04 43 50.8				
			eL	05 12.6				
		LPB	eL	05 12.8				87.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	30	LPB	eP	05 45 53.6				
		PNS	eP	05 45 54				13.1
			eS	48 09				
		CHA	e(P)	05 45 58.5				
SEP	30	USCGS	06 36 21, 23.1S, 66.8W, H = 227 Km, M = 4.0					
		JUJUY PROVINCE, ARGENTINA						
		CCH	P	06 37 44.4	C			
		LPB	iP	06 37 58.6	C	0.9	88	6.6
			eS	39 15.5				
		CHA	iP	06 38 00.1				
		PNS	iP	06 38 02.4	C			
			S	39 21.2				
SEP	30	CHA	P	07 23 50.3				
		PNS	P	07 23 52.2		0.6	3	5.6
			eS	24 56				
		LPB	eP	07 23 52.6				
SEP	30	PNS	eP	08 03 29.4				3.7
			S	04 12.6				
		LPB	eP	08 03 32.1				
SEP	30	USCGS	07 57 19.9, 28.9N, 127.9E, H = 32 Km, M = 5.5					
		RYUKYU IS						
		PNS	PKP	08 17 19.1		1.8	65.0	
			iPKP2	17 54.8				
			eSS	41 45				
			eL	09 12.8				
		LPB	PKP	08 17 19.5		1.5	44	159.0
			PKP2	17 54.5				
			ePP	21 43				
			eSS	41 48				
			eL	09 12				
SEP	30	USCGS	08 19 16, 40.5S, 75.0W, H = 15 Km, M = 4.2					
		OFF CST OF S CHILE						
		LPB	eP	08 24 37.1				24.3
		PNS	P	08 24 38.7				
			eS	28 43.2				
SEP	30	PNS	P	08 53 04.5				
SEP	30	USCGS	09 09 35, 6.5S, 153.4E, H = 41 Km, M = 4.6					
		NEW BRITAIN REG						
		LPB	ePKP	09 28 50.5				132.7
			eL	10 13				
		PNS	ePKP	09 28 52.9		1.0	4	
			L	10 12.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	30	PNS	eP	10 37 38		0.9	6	
SEP	30	USCGS	10 29 30, 6.5S, 153.5E, H = 36 Km, M = 5.3					
		NEW BRITAIN REG						
		PNS	ePKP	10 48 46				
			eSS	11 08 52				
			eL	32.7				
		LPB	ePKP	10 48 47.2				132.7
			eL	32				
SEP	30	USCGS	10 40 49, 6.6S, 153.4E, H = 33 Km, M = 4.8					
		NEW BRITAIN REG						
		LPB	ePKP	11 00 06				132.7
			eL	44				
		PNS	ePKP	11 00 06				
SEP	30	PNS	eP	13 03 59.2		1.0	10	4.0
			S	04 46				
SEP	30	USCGS	13 04 20, 3.5S, 130.9E, H = 13 Km, M = 5.0					
		CERAM						
		PNS	PKP	13 24 20.9		1.2	13	
			eSS	47 26				
			eL	14 16.6				
		LPB	ePKP	13 24 21		1.2	22	152.1
			eL	14 17				
SEP	30	PNS	P	13 46 09.2	D	0.5	6	2.0
			S	46 33.1				
SEP	30	PNS	eP	14 15 01				
SEP	30	PNS	P	15 12 21.8		0.4	2	3.7
			S	13 05.2				
SEP	30	USCGS	15 04 43, 3.5S, 130.8E, H = 33 Km					
		CERAM						
		LPB	ePKP	15 24 30				152.1
		PNS	ePKP	15 24 34.4				
			e	24 41.9				
			L	16 17				
SEP	30	PNS	P	16 38 23.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	30	CHA	eP	16 44 52.2				
		PNS	eP	16 45 00.2				2.6
			S	45 31.6				
SEP	30	USCGS	21 32 53, 49.3S, 116.5E, H = 33 Km,					
		S OF AUSTRALIA						
		LPB	ePKP	21 51 34				114.2
SEP	30	LPB	eP	22 11 02				
		CHA	P	22 11 02.7				2.3
			S	11 30.7				
		PNS	P	22 11 09.8				2.6
			S	11 41.2				
SEP	30	USCGS	22 39 53, 49.1N, 66.2W, H = 33 Km, M = 4.2					
		GASPE PENINSULA						
		LPB	eP	22 50 30.8				65.3
			eL	23 11				
		PNS	P	22 50 31.5		1.2	8	
			L	23 11.5				

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