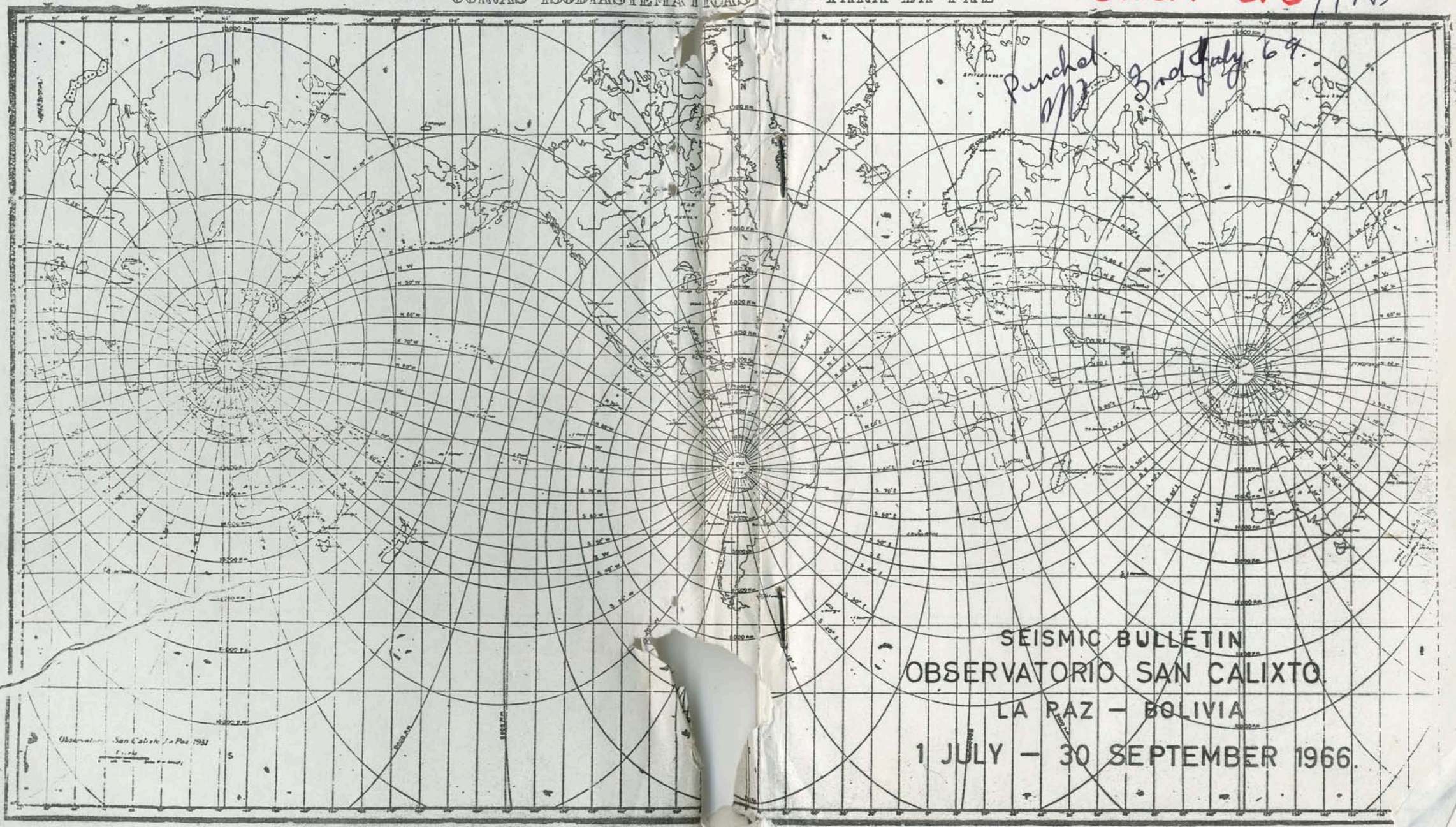
PUNCH P/PKP + S/SKS ONLY
FOR ALL STATIONS
EXCEPT LPB/PNS

24 APR 1969

CURVAS ISODIASTEMATICAS — PARA LA PAZ



Punched MJ 3rd July 69.

SEISMIC BULLETIN

OBSERVATORIO SAN CALIXTO

LA PAZ — BOLIVIA

1 JULY — 30 SEPTEMBER 1966.

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

S A N C A L I X T O

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

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

1 July - 30 September

1966

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Casilla 283, La Paz.
BOLIVIA, South America.

STATIONS OF THE "SAN CALIXTO OBSERVATORIO" NETWORK

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

LOCATION	CODE	LATITUDE	LONGITUDE	ALTITUDE (Mts)	INSTRUMENTS	MAGNIFICATION
Peñas	PNS	16°16' 02"S	68°28' 24"W	3986	Seismic array of seven short-period vertical Johnson-Matheson, To= 1,25 sec Tg=.337 sec (Fig. 3 and 4)	400,000 at 1 cps
					SP Hor. Benioff, To=1.sec, Tg=.2 sec.	500,000 at 1 cps
					LP, three components Sprengnether,	
La Paz (WWNSS)	LPB	16°31'57.6"S	68°05'54.1"W	3292	To= 20 sec., Tg= 30 sec. (Fig. 2)	50,000 at 25 sec
					SP vertical Benioff, To = 1.sec.Tg=.75 sec	50,000 at 1 cps
					SP horizontal Benioff, To= 1.sec.Tg=.75sec	50,000 at 1 cps
					LP, three components Sprengnether,	
La Paz (Colegio)	LPZ	16°29'43"S	68°07'57.7"W	3658	To= 15 sec., Tg= 100 sec.	1,500 at 30 sec.
					Wilson-Lamison, SP vertical, To= 1.2 sec	
					Tg= 1.sec.	
					LP, three components, Galitzin-Wilip	
					To= 12 sec., Tg= 12.6 sec.	1,000 at 12 sec.
					Mainka, NS, To= 14 sec., EW,To= 12 sec.	180 and 300
					San Calixto Pendulum, NS, EW, To=2.4 sec.	700
Cochabamba	CCH	17°24' S	66°07' W	2500	SP vertical Wilson-Lamison To= 3.sec.	
Desaguadero	DSG	16°33'38"S	69°01'30"W	3810	SP vertical Wilson-Lamison To= 1.sec.	
Samaipata	SMB	18°10' "S	63°51' W	1650	SP vertical Wilson-Lamison To= 1.sec.	
Sicasica	SCS	17°17'05"S	67°48'55"W	3900	SP vertical Wilson-Lamison To= 1.sec.	
Tarija	TRJ	21°30'47"S	64°46'34"W	2100	SP vertical Wilson-Lamison To= 1.sec.	

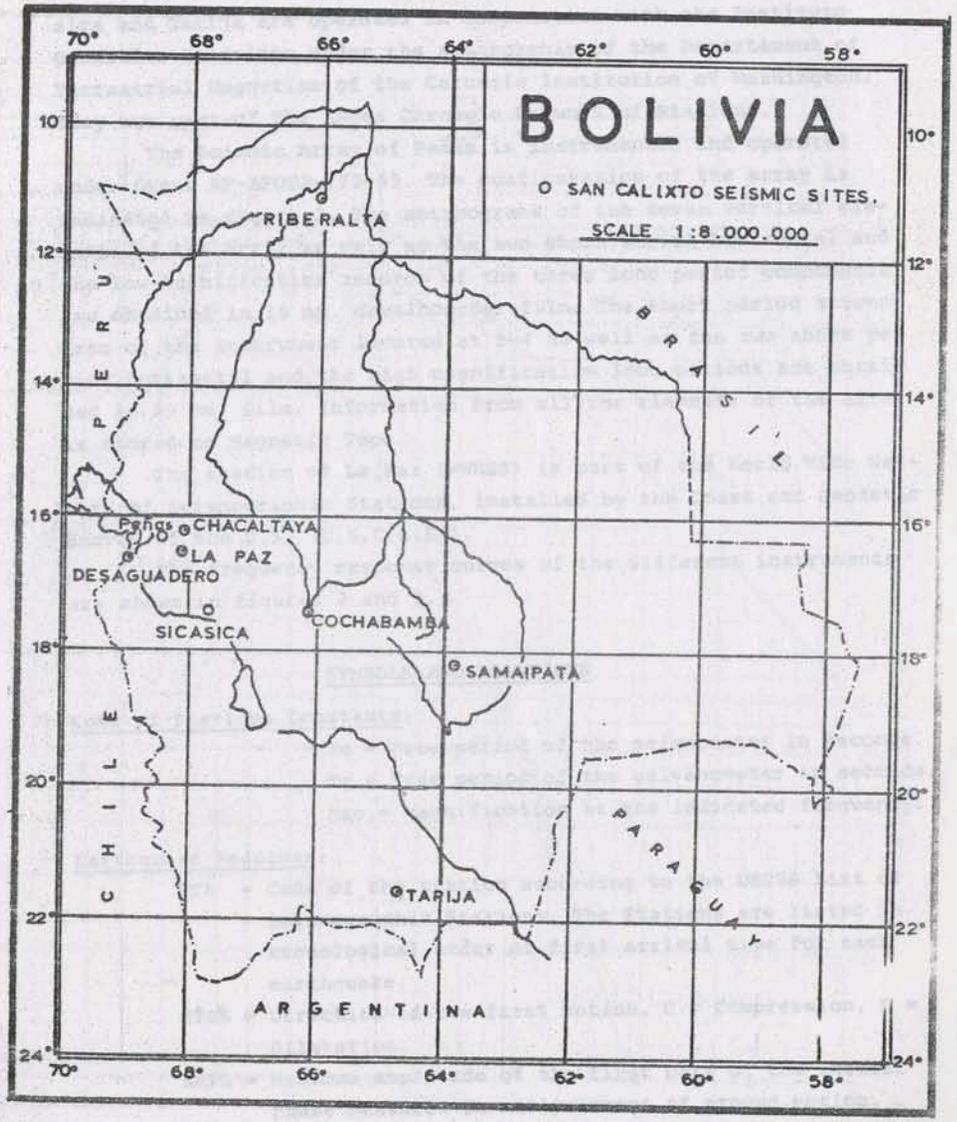

Fig.1. Location of Bolivian network of seismic stations.

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

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

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

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

SYMBOLS AND NOTATIONS

Code of Stations Constants:

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

Earthquake Readings:

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

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

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

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

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

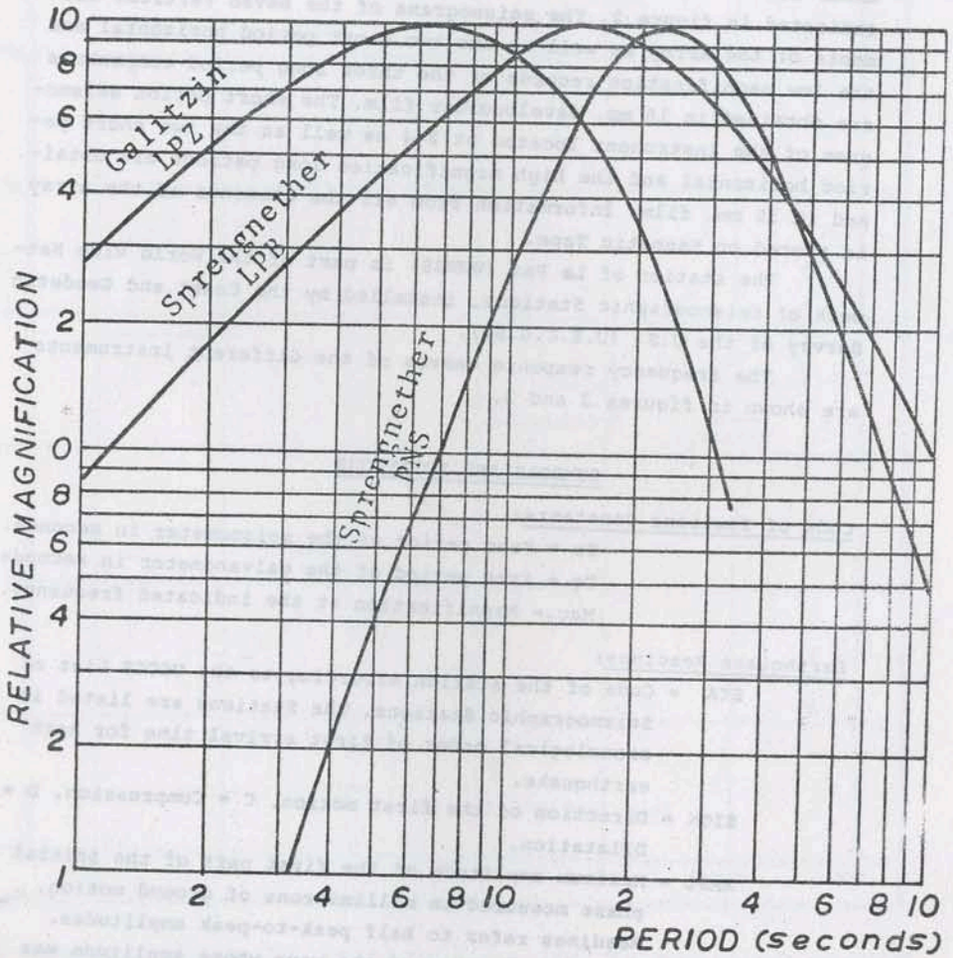

Fig. 2. Frecuency response curves for the long period instruments.

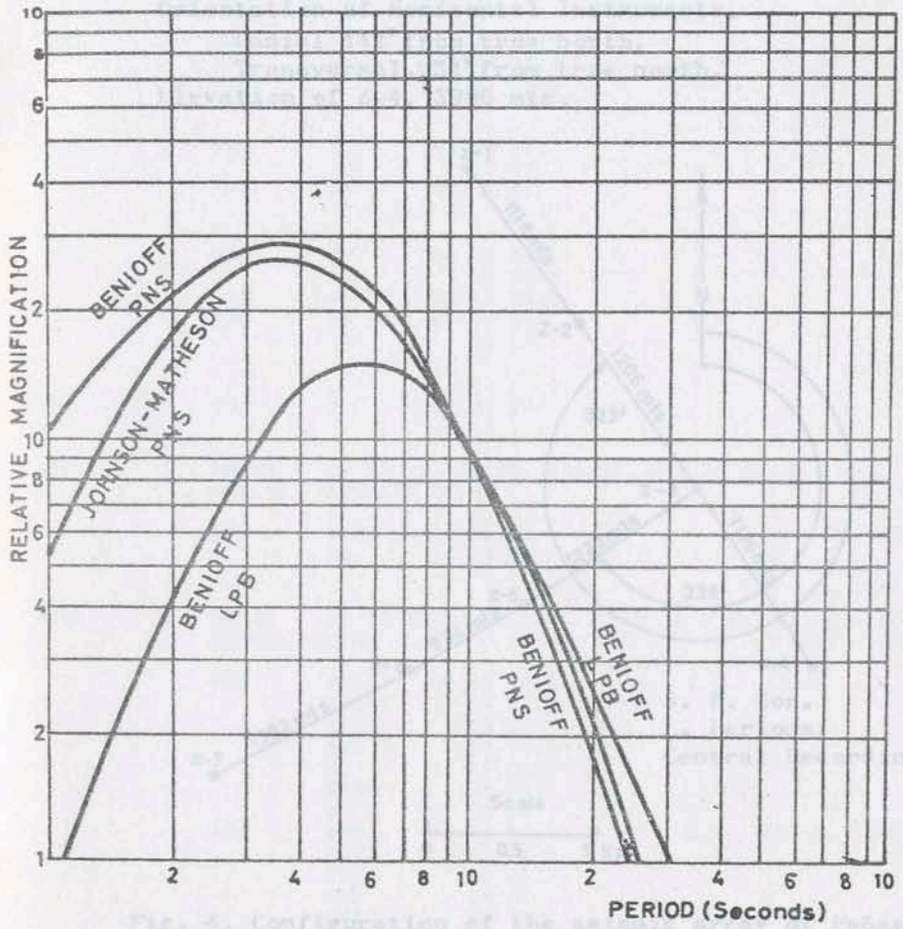

Fig.3. Frequency response curves for the short period instruments.

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

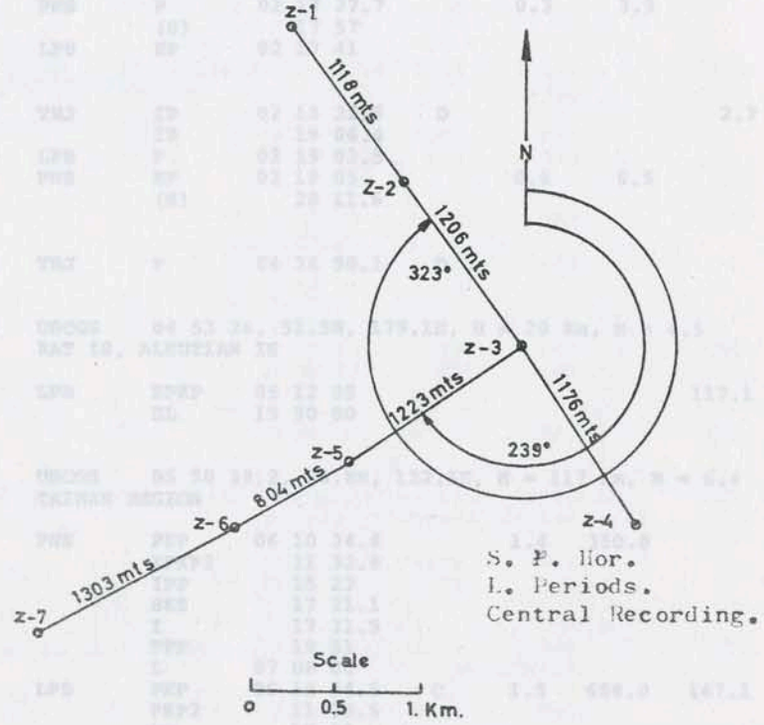

Fig. 4. Configuration of the seismic array of Peñas, PNS.

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	1	LPB	EP	00 06 48				
		PNS	IP	00 06 52.3	C	0.7	15.7	
JUL	1	TRJ	P	01 22 15.6	D			
		LPB	P	01 22 49.5	D	0.9	11.0	
		PNS	P	01 22 52.5	D	0.9	20.8	
JUL	1	PNS	P	02 17 27.7		0.3	3.5	
			(S)	17 57				
		LPB	EP	02 17 41				
JUL	1	TRJ	IP	02 18 32.6	D			2.7
			IS	19 06.4				
		LPB	P	02 19 03.5				
		PNS	EP	02 19 05		0.6	8.5	
			(S)	20 11.6				
JUL	1	TRJ	P	04 38 50.1	D			
JUL	1	USCGS	04 53 26, 51.5N, 179.1E, H = 20 Km, M = 4.5					
		RAT IS, ALEUTIAN IS						
		LPB	EPKP	05 12 05				117.1
			EL	15 50 00				
JUL	1	USCGS	05 50 39.2, 24.8N, 122.5E, H = 117 Km, M = 6.4					
		TAIWAN REGION						
		PNS	PKP	06 10 34.4		1.4	350.0	
			IPKP2	11 32.8				
			IPP	15 23				
			SKS	17 21.1				
			I	17 31.5				
			PPP	19 51				
			L	07 08 00				
		LPB	PKP	06 10 34.5	C	1.5	688.0	167.1
			PKP2	11 39.5				
			PP	15 22				
			SKS	17 21				
			SSS	41 35				
			EL	07 08 00				
		TRJ	IPKP	06 10 46.9	D			
JUL	1	TRJ	IP	07 01 37.3	D			
JUL	1	PNS	P	07 53 53.9				1.8
			S	54 21.6				
JUL	1	PNS	EP	09 45 26.4				
		LPB	EP	09 45 33				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	1	PNS	IP	10 00 43.4	D	0.5	118.0	
			IS	01 15.3				
		LPB	IP	10 01 48	D	0.8	44.5	3.0
			S	02 23.2				
JUL	1	PNS	EP	10 22 45.9				
			S	23 30				
		LPB	EP	10 22 47				2.4
			S	23 16.5				
JUL	1	USCGS	10 21 54, 3.1S, 129.6E, H = 76 Km, M = 5.3					
		CERAM						
		LPB	EPKP	10 41 45				153.7
		PNS	PKP	10 41 49.5		0.8	5.2	
JUL	1	LPB	EP	10 44 26				3.8
			S	45 09.5				
		PNS	EP	10 44 41.6				
			S	45 17.6				
JUL	1	LPB	EP	11 04 28				
		PNS	EP	11 04 46				
JUL	1	PNS	P	16 38 06.6				
JUL	1	USCGS	16 38 16, 51.7N, 179.6E, H = 57 Km, M = 4.2					
		RAT IS, ALEUTIAN IS						
		LPB	EPKP	16 57 05				116.6
			EL	17 33 00				
JUL	1	USCGS	17 26 14, 14.0N, 56.9E, H = 33 Km, M = 4.9					
		ARABIAN SEA						
		LPB	EPKP	17 45 21				127.3
JUL	1	USCGS	19 05 26.5, 52.3N, 174.2E, H = 56 Km, M = 5.0					
		NEAR IS, ALEUTIAN IS						
		LPB	EPKP	19 24 15				120.2
			EL	20 03 00				
JUL	1	TRJ	IP	20 11 38.0	D			
			S	12 32.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	1	USCGS	20 17 49.3, 13.7N, 88.4W, H = 201 Km, M = 5.3					
		EL SALVADOR						
		PNS	P	20 24 31.7		0.7	8.3	
			I	26 54.7				
		LPB	EP	20 24 33				36.3
			ES	30 08				
			ESS	32 48				
			EL	35 00				
JUL	1	USCGS	22 12 18, 2.4N, 127.3E, H = 85 Km, M = 5.0					
		MOLUCCA PASSAGE						
		LPB	EPKP	22 32 08				159.1
			EL	23 27 00				
JUL	1	PNS	P	23 40 32.6				1.2
			S	40 55.6				
JUL	2	TRJ	IP	00 24 05.5	D			
			IS	24 36.0	C			
JUL	2	LPB	EP	05 32 49				
		PNS	P	05 32 52.5				
			(S)	34 08				
JUL	2	PNS	P	06 07 40.9	C	0.3	4.5	
			S	08 09.7				
JUL	2	LPB	P	06 25 02.5				
			S	25 30.5				
		PNS	IP	06 25 03.9	D	0.4	20.8	
			IS	25 32.9				
JUL	2	LPB	P	07 17 47.5				
JUL	2	PNS	EP	07 28 04.7				
		LPB	EP	07 28 14				
JUL	2	TRJ	P	09 15 55.1	C			
			S	16 27.7	D			
JUL	2	LPB	EP	09 27 10				
		PNS	EP	09 27 12.7				
JUL	2	PNS	IP	09 44 48.0	S	0.4	10.4	
			S	45 14.4				
		LPB	EP	09 44 49				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	2	USCGS	10 29 56, 21.5S, 70.5W, H = 33 Km, M = 4.2					
		NEAR COAST OF NORTHERN CHILE						
		TRJ	IP	10 31 15.1	C			
		LPB	P	10 31 17.8		1.1	101,9	5.4
			(ES)	31 21				
		PNS	IP	10 31 18.0	C	1.0	21.7	
			S	32 15.7				
			L	33.8				
JUL	2	USCGS	11 21 30.4, 9.0N, 30.1E, H = 33 Km, M = 4.8					
		UGANDA						
		LPB	EL	12 09 00				
		PNS	EL	12 09.1				100.9
JUL	2	PNS	IP	13 56 54.6	D			
			S	57 17.7				
JUL	2	TRJ	IP	13 58 20.5	D			
			S	58 50.6				
JUL	2	PNS	P	19 34 59.5				
			S	35 23.5				
JUL	2	LPB	P	19 52 50.5				
		PNS	P	19 52 51.5		0.3	9.0	
			IS	53 25.5				
JUL	2	LPB	EP	21 09 00				
		PNS	P	21 09 09.7		0.9	10.6	
			S	10 00.0				
JUL	2	USCGS	21 21 59, 24.3S, 71.1W, H = 28 Km, M = 4.5					
		OFF COAST OF N CHILE						
		TRJ	P	21 23 38.3				
		LPB	EP	21 24 00				8.9
			EPP	24 11				
			S	25 32				
		PNS	EP	21 24 02.0				
			PP	24 13.2				
			ES	25 41.2				
			EL	26.1				
JUL	2	TRJ	P	22 57 00.1	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	2	USCGS	22 48 32, 6.5S, 124.8E, H = 565 Km, M = 5.6					
		BANDA SEA						
		LPB	EPKP	23 07 19				153.9
			PKP2	07 47				
			PKP	09 51				
			EL	00 00 00				
		PNS	PKP	23 07 22.6				
			IPKP2	07 47.3				
			EPPKP	09 48.2				
			ESS	32 07				
			EL	00 01.6				
		TRJ	EPKP	23 07 27.0	D			
JUL	3	USCGS	03 55 15.7, 52.5N, 170.2W, H = 69 Km, M = 5.3					
		FOX IS, ALEUTIAN IS						
		LPB	EPKP	04 13 39				110.3
			EL	48 00				
JUL	3	USCGS	04 09 30, 21.1S, 174.2W, H = 33 Km, M = 5.0					
		TONGA IS						
		PNS	EP	04 22 52				
			SKS	33 54				
			ESS	41 24				
		LPB	SKS	04 33 48				97.9
			EL	56 00				
JUL	3	PNS	EP	05 55 34.7				
			S	56 17.7				
		LPB	EP	05 55 40				
			ES	56 16				
JUL	3	USCGS	06 35 21, 26.6S, 71.0W, H = 33 Km, M = 4.3					
		OFF COAST OF N CHILE						
		TRJ	EP	06 37 21.2				
		LPB	P	06 37 52		1.1	6.9	10.3
			EL	40.5				
		PNS	P	06 37 52.2				
			ES	39 45				
			EL	40 27				
JUL	3	TRJ	IP	08 17 32.2	D			
			S	18 01.6	C			
JUL	3	TRJ	P	08 46 25.7	D			
			S	16 57.3	C			
JUL	3	TRJ	P	09 02 17.5	C			
			S	02 48.4	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	3	LPB	P	10 17 59				
			S	18 30				
		PNS	EP	10 18 05.7				
			S	18 52.3				
JUL	3	TRJ	P	11 24 41.0	D			
			S	25 12.7				
JUL	3	PNS	EP	11 33 09.7				
			S	33 58				
		LPB	EP	11 33 11				
JUL	3	TRJ	IP	14 43 39.0	D			
JUL	3	TRJ	IP	15 48 55.5	C			
		LPB	EP	15 49 38				
JUL	3	LPB	P	16 04 55		1.0	14.0	
		PNS	IP	16 06 07.9	C			
			S	07 44.1				
JUL	3	PNS	IP	16 36 07.8	C			
			IS	36 43.8				
		LPB	IP	16 36 17.0		1.1	135.7	
			S	36 46				
JUL	3	USCGS	17 03 15, 23.3S, 115.2W, H = 33 Km, M = 4.8					
		E IS CORDILLERA						
		LPB	P	17 11 23.6		0.7	3.9	44.1
			PP	11 28				
			EL	24 00				
		PNS	P	17 11 25.7		1.0	23.5	
JUL	3	USCGS	17 45 33, 51.8N, 180.0W, H = 33 Km, M = 4.4					
		RAT IS, ALEUTIAN IS						
		LPB	EPKP	18 04 14				116.4
JUL	3	PNS	EP	18 51 00.8				
		LPB	P	18 51 06.8				
JUL	3	USCGS	20 39 53.5, 16.8S, 69.5W, H = 183 Km, M = 4.0					
		PERU-BOLIVIA BORDER REGION						
		PNS	IP	20 40 23.7	D			
			IS	40 47.0				
		LPB	IP	20 40 25.0	D			1.3
			IS	40 48				
		TRJ	IP	20 41 24.9	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	3	LPB	E(P)	23 25 38				
		PNS	P	23 25 39.8				
JUL	3	PNS	EP	23 42 24.5				
			S	42 51.6				
JUL	3	LPB	EP	23 50 14				
			E	50 24				
JUL	4	USCGS	00 03 55, 58.8S, 69.3W, H = 33 Km, M = 4.8					
		DRAKE PASSAGE						
		LPB	P	00 11 47		1.0	28.0	42.0
			ES	18 10				
			EL	24.5				
		PNS	EP	00 11 47.6				
			IPP	11 57.2				
			I	16 34.8				
			S	18 05				
JUL	4	TRJ	IP	00 54 09.1				
		LPB	P	00 54 47		0.6	6.0	
		PNS	P	00 54 50.4		0.4	6.9	
JUL	4	USCGS	00 54 00, 21.5S, 66.4W, H = 215 Km, M = 4.4					
		S BOLIVIA						
		LPB	IP	00 55 19.4	C			5.2
			S	56 19				
		PNS	IP	00 55 23.7	C	0.5	29.2	
			S	56 17.5				
JUL	4	PNS	P	01 31 15.7				
			S	31 54.7				
		LPB	P	01 31 16.3		0.6	7.2	
			S	31 57				
JUL	4	USCGS	01 43 23, 25.0N, 122.5E, H = 179 Km, M = 4.1					
		TAIWAN REGION						
		LPB	EPKP	02 03 03				166.6
JUL	4	USCGS	02 55 35.9, 51.8N, 176.4E, H = 28 Km, M = 5.7					
		RAT IS, ALEUTIAN IS						
		PNS	PKP	03 14 23.2		0.7	5.9	
		LPB	PKP	03 14 23.5		0.8	8.4	118.7
			EL	51 00				
		TRJ	PKP	03 14 36.9	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	4	PNS	(EP)	03 24 32				
		LPB	EP	03 24 40		1.0	6.0	
JUL	4	LPB	P	04 18 01				
		PNS	IP	04 18 58.6				
			S	19 20.5				
JUL	4	TRJ	P	07 12 25.6	D			
JUL	4	PNS	IP	07 31 01.2	D	0.5	167.7	
			S	31 23.8				
		LPB	IP	07 31 02.8	D	0.9	99.3	
			S	31 27.2				
JUL	4	USCGS	07 22 26, 22.1S, 179.6W, H = 600 Km, M = 4.7					
		SOUTH OF FIJI IS						
		LPB	EP	07 35 04		0.9	11.9	102.7
			EL	08 11 00				
		PNS	P	07 35 07.9		0.9	8.2	
			E	36 14.1				
			EPP	37 16.5				
JUL	4	TRJ	IP	07 34 26.3	D			
			IS	34 58.7	D			
JUL	4	PNS	P	07 43 34.3		0.4	10.4	
			S	43 58				
		LPB	P	07 43 34.5				
			(S)	43 59				
JUL	4	PNS	EP	08 03 25				
			S	04 19.1				
		LPB	EP	08 03 26				
JUL	4	PNS	EP	08 05 13.8				
			S	06 11.4				
		LPB	EP	08 05 18				
JUL	4	PNS	EP	08 36 41.5				
		LPB	EP	08 36 48				
JUL	4	LPB	EP	10 14 42		0.7	3.9	
JUL	4	LPB	EP	10 50 49				
		PNS	EP	10 51 01.4		0.6	2.8	
JUL	4	PNS	EP	11 37 02.2		0.3	22.7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	4	USCGS	12 15 28.1, 37.5N, 24.8W, H = 33 Km, M = 5.5					
		AZORES IS REG						
		LPB	EP	12 26 22		2.0	140.0	58.8
			S	35 20				
			ESS	39 30				
			EL	47 00				
		PNS	P	12 26 23.7	C	2.0	140.3	
			IS	35 24				
			ISS	39 46				
JUL	4	TRJ	P	12 36 40.8	C			
JUL	4	PNS	EP	12 54 47				
			I	54 52.9				
		LPB	EP	12 54 48				
JUL	4	TRJ	IP	13 14 47.6	C			
		LPB	P	13 15 10		1.1	37.0	
		PNS	P	13 15 12.5	D			
			S	16 04.6				
JUL	4	TRJ	EP	13 28 57.4				
		PNS	EP	13 29 11				
			S	30 22.8				
		LPB	P	13 29 15.5		0.7	9.1	
			S	30 08.5				
JUL	4	USCGS	ł3 52 18, 28.8S, 67.9W, H = 130 Km, M = 4.0					
		LA RIOJA PROVINCE, ARGENTINA						
		TRJ	P	13 54 11.0	C			
		LPB	EP	13 55 05				12.1
			PP	55 13				
		PNS	P	13 55 11.6		0.7	4.4	
JUL	4	PNS	P	15 28 26.6		0.4	4.7	
			S	28 50.7				
JUL	4	PNS	P	15 38 33.9		0.3	1.4	
			S	39 09				
JUL	4	PNS	EP	18 48 43				
		LPZ	EP	18 48 44				
JUL	4	USCGS	18 33 35.7, 51.7N, 179.9E, H = 13 Km, M = 6.2					
		RAT IS, ALEUTIAN IS						
		PNS	PKP	18 52 22.3				
			IPPKP	52 31.7				
			PP	53 28.2				
			SKS	59 03.1				
			PS	19 03 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	4	USCGS	18 50 25, 51.7N, 179.0W, H = 33 Km, M = 5.4					
			ANDREANOF IS, ALEUTIAN IS					
		PNS	PKP	19 09 10.9		1.6	88.5	
			EPP	10 24.5				
JUL	4	PNS	P	19 19 44.2		1.4	36.0	
JUL	4	LPB	IP	20 12 31.0	D	0.8	57.5	
		PNS	P	20 12 33.2		0.8	14.7	
			S	13 15.0				
JUL	4	PNS	EP	21 10 13.6				
JUL	4	USCGS	21 02 00.4, 51.7N, 180.0W, H = 19 Km, M = 4.5					
			RAT IS, ALEUTIAN IS					
		PNS	EL	21 57.1				
JUL	4	USCGS	22 14 12.4, 51.7N, 179.8W, H = 22 Km, M = 5.1					
			ANDREANOF IS, ALEUTIAN IS					
		LPB	EPKP	22 32 56				
			EL	23 09 00				116.4
		PNS	E(PKP)	22 32 57				
			SS	49 51				
			EL	23 09.5				
JUL	4	PNS	IP	22 36 18.5	D	0.3	5.3	
			IS	36 46.4				
JUL	4	PNS	P	22 38 30.0		0.3	3.8	
			IS	38 57.5				
JUL	5	USCGS	02 21 43.8, 52.2N, 178.4W, H = 66 Km, M = 4.9					
			ANDREANOF IS, ALEUTIAN IS					
		LPB	EPKP	02 40 26.5				
			EL	03 17.5				117.4
		PNS	EPKP	02 40 32				
			EPS	51 33				
			EL	03 17.4				
		TRJ	EPKP	02 40 42.7				
JUL	5	USCGS	02 22 24, 37.5N, 24.6W, H = 27 Km, M = 4.8					
			AZORES IS REGION					
		LPB	EP	02 41 24				
			EL	18 00				116.8

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	5	USCGS	03 22 45.2, 15.2S, 174.7W, H = 252 Km, M = 5.1					
			TONGA IS					
		LPB	EP	03 36 11				101.1
			ESS	54 20				
JUL	5	USCGS	04 05 03, 13.7N, 90.8W, H = 53 Km, M = 4.0					
			NR COAST OF GUATEMALA					
		PNS	E(P)	04 12 24				
			EL	04 23.2				
JUL	5	USCGS	05 09 03.6, 37.6N, 24.6W, H = 12 Km, M = 5.1					
			AZORES IS REG					
		PNS	EP	05 20 02.3				
			E	27 10				
			ES	28 44				
			I	31 13				
			EL	40.3				
		LPB	EP	05 20 03				67.7
			ESKS	29 13				
			EL	40 00				
		TRJ	P	05 20 17.9	C			
JUL	5	PNS	IP	05 46 24.0		0.4	12.8	
			S	46 47				
		LPB	P	05 46 26		0.6	7.2	
JUL	5	PNS	EP	05 48 27.3				
		LPB	EP	05 48 28				
JUL	5	PNS	P	06 01 33.2				
JUL	5	LPB	EP	06 09 43				
			S	10 28.5				
		PNS	EP	06 09 44.7				
			S	10 29.2				
		TRJ	P	06 10 03.2	C			
JUL	5	LPB	EP	06 18 36				
JUL	5	TRJ	P	06 30 36.4	C			
		PNS	EP	06 31 14.7				
			S	32 34.6				
		LPB	EP	06 31 30		1.0	6.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	5	USCGS	06 46 01, 51.7N, 179.8W, H = 33 Km, M = 4.0					
			ANDREANOF IS, ALEUTIAN IS					
		LPB	EP	07 00 18				
			EPP	04 29				107.1
		PNS	PP	07 04 31				
			EL	36 00				
JUL	5	LPB	EP	08 17 32				
		PNS	EP	08 17 42.4				
JUL	5	PNS	EP	08 40 34				
JUL	5	LPB	EP	09 30 21		0.9	13.6	
JUL	5	LPB	EP	09 44 43				
		PNS	EP	09 44 47				
JUL	5	PNS	P	10 05 48.8	C	0.3	18.6	
JUL	5	USCGS	10 01 22, 27.5N, 92.4E, H = 77 Km, M = 4.8					
			INDIA-CHINA BORDER REGION					
		LPB	EPKP	10 21 11				
		PNS	EPKP	10 21 21.3				159.0
			E	21 53				
			EPP	29 10				
JUL	5	PNS	EP	10 44 13				
JUL	5	USCGS	10 52 01, 24.0S, 65.7W, H = 211 Km, M = 4.1					
			JUJUY PROVINCE, ARGENTINA					
		LPB	P	10 53 52.7	C	0.7	14.3	7.8
			ES	55 16				
		PNS	P	10 53 56.6		0.8	12.0	
			EL	56 00				
JUL	5	PNS	P	13 08 29.9		0.4	2.1	
JUL	5	PNS	EP	13 50 21				
			S	51 10.4				
		LPB	EP	13 50 30		0.7	14.3	
JUL	5	PNS	EP	14 12 19				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	5	PNS	P	14 12 29.4		0.3	4.2	
			S	12 58				
		LPB	EP	14 12 30				
			S	12 59				
JUL	5	PNS	EP	16 43 13.4				
		LPB	P	16 43 29		0.8		
JUL	5	PNS	P	17 13 13.3		0.3	12.6	
			IS	13 43.0				
		LPB	EP	17 13 41				
JUL	5	LPB	EP	19 35 43				
		PNS	EP	19 35 57				
JUL	5	USCGS	23 50 19, 15.9S, 75.8W, H = 57 Km, M = 4.9					
			NEAR COAST OF PERU					
		PNS	P	23 52 02.3		0.4	17.1	
			I	53 26.0				
			S	53 36.5				
		LPB	P	23 52 07.5		1.0	86.0	7.2
			S	53 40				
			L	54.7				
		TRJ	IP	23 52 09.3	C			
JUL	6	USCGS	00 05 51, 15.3S, 75.5W, H = 7 Km, M = 5.1					
			NEAR COAST OF PERU					
		PNS	EP	00 07 39				
			S	09 06.2				
		LPB	P	00 07 42.2		1.0	165.0	7.0
			S	09 14				
			L	10.3				
		TRJ	IP	00 08 45.6	D			
JUL	6	PNS	P	01 28 06				
			S	28 59.6				
		LPB	EP	01 28 13.5				
JUL	6	USCGS	01 33 21, 13.7S, 166.4E, H = 33 Km					
			NEW HEBRIDES IS					
		PNS	EPKP	02 35 15.8				
		LPB	EPKP	02 35 18				150.4
			EL	03 26 00				
JUL	6	USCGS	03 44 45.6, 3.2S, 142.2E, H = 27 Km, M = 4.8					
			NEAR N COAST OF NEW GUINEA					
		PNS	PKP	04 04 20.3				
		LPB	EPKP	04 04 20.5		1.3	11.2	144.2

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	6	PNS	IP	04 19 48.9	D	0.4	6.4	
			S	20 11.9				
JUL	6	PNS	EP	04 38 20.6				
JUL	6	TRJ	IP	04 41 00.6	C			
		LPB	P	04 41 43		1.0	18.0	
		PNS	P	04 41 46.1		0.9	8.7	
JUL	6	USCGS	04 52 12.8, 60.5S, 26.8W, H = 81 Km, M = 4.9					
		SOUTH SANWICH IS REG						
		TRJ	P	05 00 43.1	D			
		LPB	P	05 01 23.2		1.0	16.0	55.2
			EL	18 00				
		PNS	EP	05 01 26.3		1.0	14.0	
			ES	09 05				
			EL	18.5				
JUL	6	PNS	P	05 15 34.0				
			S	15 59.3				
JUL	6	PNS	EP	05 23 17.9				
			S	24 27				
		LPB	EP	05 23 25				
			E(S)	24 46				
JUL	6	PNS	EP	07 29 51.1				
		LPB	EP	07 29 52				
JUL	6	USCGS	07 31 31, 23.3S, 66.5W, H = 205 Km, M = 3.9					
		JUJUY PROVINCE, ARGENTINA						
		TRJ	IP	07 32 22.0	D			
		LPB	IP	07 33 11.2		1.1	12.6	7.0
			S	34 27.5				
		PNS	IP	07 33 15.1	C	0.3	32.6	
			S	34 33.8				
			EL	35.1				
JUL	6	PNS	IP	08 31 53.2	D	0.3	16.9	
			S	32 17.3				
		LPB	IP	08 31 53.7		0.9	7.3	
			S	32 19				
JUL	6	LPB	EP	09 08 59				
		PNS	P	09 09 02.3		0.9	6.7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	6	USCGS	09 33 58, 35.1N, 140.9E, H = 66 Km, M = 4.4					
		NEAR E CST OF HONSHU, JAPAN						
		PNS	PKP	09 53 37.2				
			EL	10 40.2				
		LPB	EPKP	09 53 38				148.3
			EL	10 41 00				
JUL	6	PNS	P	10 23 30.1	D	0.5	6.6	
JUL	6	PNS	EP	10 49 23.5				
JUL	6	PNS	IP	11 13 44.6	D			
			IS	13 07.6				
		LPB	P	11 13 47.5				
			S	14 12				
JUL	6	TRJ	P	11 27 23.5	C			
			S	27 54.0	D			
JUL	6	TRJ	P	12 48 29.4	D			
JUL	6	USCGS	13 59 14.8, 43.9N, 83.2E, H = 55 Km, M = 3.5					
		SINKIANG PROVINCE, CHINA						
		PNS	EPKP	14 18 48.4				
		LPB	EPKP	14 18 50		1.0	8.0	149.1
			EL	15 11 00				
		TRJ	PKP	14 18 56.8	D			
JUL	6	TRJ	EP	15 34 29.7	C			
			S	35 10.6	D			
JUL	6	PNS	P	16 34 35.1		0.5	7.5	
JUL	6	PNS	IP	17 24 09.1	D	0.8	33.4	
			S	25 17.7				
		LPB	EP	17 24 17		0.9	52.2	
			(ES)	25 22				
JUL	6	TRJ	P	18 42 44.9	D			
		PNS	P	18 43 01.5		0.5	4.1	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	6	USCGS	19 23 38, 4.4S, 104.9W, H = 33 Km, M = 4.8					
		N EASTER IS CORDILLERA						
		LPB	EP	19 30 57				38.1
			S	36 55				
			SS	39 42				
			L	42.3				
		TRJ	P	19 31 37.7	C			
JUL	6	USCGS	20 13 31, 4.5S, 104.8W, H = 23 Km, M = 4.3					
		N EASTER IS CORDILLERA						
		LPB	EP	20 20 47				38.1
			EL	31 00				
		PNS	EP	20 20 47.6				
			E	25 14				
JUL	6	PNS	EP	20 41 54.6				
		LPB	EP	20 42 29				
JUL	6	PNS	IP	21 43 02.5	D	0.3	3.3	
			S	43 25				
JUL	6	PNS	EP	22 15 22.1				
JUL	7	USCGS	23 43 33.6, 29.5N, 129.0E, H = 33 Km, M = 4.0					
		FOX IS ALEUTIAN IS						
		PNS	EPKP	00 03 31.3				
		LPB	EPKP	00 03 31.5		1.0	8.0	159.8
			EL	59 00				
JUL	7	USCGS	00 10 30.5, 6.9N, 73.0W, H = 147 Km, M = 4.8					
		N COLOMBIA						
		LPB	EP	00 15 28				23.6
			IPP	16 04.5				
			S	19 32				
		PNS	P	00 15 28.3		0.3	1.6	
			IPP	16 00.5				
			S	19 30				
			EL	21.7				
JUL	7	LPB	EP	04 36 09				
		PNS	EP	04 36 19				
JUL	7	PNS	P	05 16 42.5		0.3	3.9	
			IS	17 04.7				
		LPB	P	05 16 43				
			S	17 06				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	7	PNS	EP	06 36 19.7				
JUL	7	USCGS	09 46 33.2, 12.6N, 144.2E, H = 40 Km, M = 5.3					
		S OF MARIANA IS						
		PNS	PKP	10 06 18.1		1.3	22.0	
			ESS	28 56				
			EL	56.6				
		LPB	PKP	10 06 20		1.8	51.0	148.5
			EL	56 00				
JUL	7	PNS	EP	12 49 12.7				
			E	49 29.5				
			S	49 48.8				
		LPB	P	12 49 26.0		1.0	22.0	
JUL	7	PNS	EP	14 36 51.9				
			S	37 14.8				
JUL	7	TRJ	IP	14 54 56.7	C			
		LPB	P	14 55 39		1.1	55.2	
			S	56 18				
JUL	7	USCGS	17 15 02, 6.2S, 154.5E, H = 46 Km,					
		SOLOMON IS						
		LPB	EPKP	17 34 17		1.0	8.0	131.9
JUL	7	PNS	P	18 17 49.9				
JUL	7	LPB	P	18 22 23		0.6	4.4	
			S	22 35				
JUL	7	USCGS	20 13 57.5, 12.6N, 144.1E, H = 36 Km, M = 5.0					
		SOUTH OF MARIANA IS						
		LPB	EPKP	20 33 43		1.1	11.4	148.4
			EL	21 24 00				
		PNS	PKP	20 33 48.6				
			EL	21 24.1				
JUL	7	USCGS	23 22 07.3, 17.8S, 173.6W, H = 26 Km, M = 5.3					
		TONGA IS						
		LPB	EP	23 35 46				99.0
			EL	00 08.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	8	PNS	P	00 25 12.1				
			S	25 38.5				
JUL	8	PNS	IP	01 39 48.1	C	0.4	23.8	
			IS	40 23.6				
		LPB	P	01 39 51.8		0.8	14.0	
			S	40 42.8				
JUL	8	USCGS	01 37 55.2, 6.9S, 130.2E, H = 113 Km, M = 5.5					
		BANDA SEA						
		TRJ	EPKP	01 57 30.1				
		LPB	PKP	01 57 37				
			PKP2	57 46.5		1.2	23.4	150.0
			ESS	02 19 30				
			EL	48 00				
		PNS	IPKP	01 57 39.0	C	.2	26.7	
			I	58 15.0				
			EL	02 48.2				
JUL	8	USCGS	03 51 56.8, 8.4N, 82.9W, H = 54 Km, M = 4.4					
		PANAMA-COSTA RICA BOR REG						
		LPB	EP	03 57 38.5				
			EL	04 06 00				29.0
		PNS	P	03 57 48.7				
			E	04 03 02				
JUL	8	PNS	EP	04 48 00				
		LPB	EP	04 48 04				
JUL	8	LPB	P	06 59 58.5	D	0.8	14.0	
		PNS	P	06 59 59.4				
			S	07 00 21.2				
JUL	8	USCGS	07 49 02, 28.9S, 69.5W, H = 15 Km, M = 4.3					
		CHILE-ARGENTINA BOR REG						
		TRJ	EP	07 50 09.0				
		LPB	EP	07 52 01.5				
			EL	55 00				12.3
		PNS	P	07 52 03.1				
JUL	8	PNS	EP	08 17 58.9				
		LPB	EP	08 19 06				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	8	USCGS	10 28 06, 20.7S, 68.8W, H = 228 Km, M = 4.1					
		CHILE-BOLIVIA BOR REG						
		TRJ	IP	10 28 39.2	C			
		LPB	P	10 29 13		0.8	7.0	4.5
			I	29 30.5				
			S	30 06.5				
		PNS	EP	10 29 13.4				
			I	29 48.3				
JUL	8	USCGS	13 22 12, 12.3N, 88.8W, H = 37 Km, M = 4.5					
		OFF COAST OF CENTRAL AMERICA						
		LPB	EP	13 29 04				35.1
JUL	8	TRJ	IP	15 00 47.1	D			
			IS	01 21.6	C			
JUL	8	LPB	EP	15 02 29				
		PNS	EP	15 02 31.1				
JUL	8	PNS	P	15 56 01.0		0.7	8.1	
JUL	8	PNS	P	16 43 57.0				
		LPB	EP	16 44 05				
JUL	8	LPB	EP	17 14 30				
		PNS	EP	17 14 31				
JUL	8	TRJ	IP	17 31 18.7	D			
		LPB	P	17 32 49.8		0.9	23.7	
		PNS	IP	17 32 50.7		0.5	6.8	
			S	33 58.0				
JUL	8	TRJ	IP	18 07 11.0	D			
		PNS	EP	18 07 30.9				
			S	08 47.6				
		LPB	EP	18 08 17				
JUL	8	TRJ	IP	20 03 10.6	C			
		LPB	P	20 03 21		0.7	58.0	
			S	04 13				
		PNS	IP	20 03 24.0	D	0.8	125.0	
			S	04 14.4				
JUL	8	LPB	EP	20 25 18				
		PNS	EP	20 25 28.9				
			(S)	26 03				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	8	PNS	P	22 42 29.0	D	0.3	10.0	
			S	42 52.0				
		LPB	EP	22 42 34				
			S	42 53				
JUL	9	USCGS	00 21 20, 41.5S, 91.1W, H = 33 Km, M = 4.3					
		S PACIFIC OCEAN						
		PNS	IP	00 27 45.4	C	0.9	51.0	
			ES	32 49				
			L	36.7				
		LPB	P	00 27 45.5	C	1.0	32.0	31.8
			ES	32 50				
			L	36.7				
JUL	9	TRJ	IP	03 12 12.1	C			
		LPB	EP	03 12 52				
		PNS	EP	03 12 54.2				
			E	13 12.9				
JUL	9	PNS	IP	04 05 06.6	D	0.3	7.0	
			IS	05 36				
		LPB	EP	04 05 11				
			S	05 47				
JUL	9	USCGS	07 51 47.8, 33.2S, 179.2W, H = 62 Km, M = 5.2					
		SOUTH OF KERMADEC IS						
		LPB	EP	08 05 15				
			ESKS	16 00				97.4
			L	37.7				
		PNS	EP	08 05 15.9				
JUL	9	LPB	EP	08 37 10				
			(S)	37 18				
JUL	9	LPB	P	09 25 29.5				
		PNS	P	09 25 29.5				
JUL	9	PNS	P	12 30 56.1				
			S	31 36				
JUL	9	PNS	P	13 32 01.9				
			(S)	33 43.7				
JUL	9	PNS	P	14 51 11.2		0.3	3.2	
			S	51 39.2				
JUL	9	TRJ	IP	15 40 46.9	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	9	USCGS	19 17 43, 12.5N, 141.8E, H = 62 Km, M = 5.2					
		S OF MARIANA IS						
		PNS	PKP	19 37 27.6		0.9	9.5	
			I	37 32.9				
			L	20 29.4				
		LPB	EPKP	19 37 28		1.1	20.7	150.9
			EL	20 29 00				
JUL	9	LPB	EP	23 54 02				
JUL	10	PNS	EP	00 00 19				
			S	00 55.4				
		LPB	EP	00 00 30				
JUL	10	PNS	P	02 04 00.5		0.9	9.5	
JUL	10	PNS	EP	02 17 52.6				
			(S)	18 37				
		LPB	EP	02 17 53				
			(S)	18 38				
JUL	10	PNS	IP	02 24 50.3	D	0.4	9.7	
			IS	25 15.0				
		LPB	P	02 24 53	D	1.0	40.0	
			S	25 19.5				
JUL	10	USCGS	03 02 39, 43.3N, 29.0W, H = 33 Km, M = 4.2					
		N ATLANTIC RIDGE						
		LPB	EP	03 13 48		1.0	8.0	69.4
JUL	10	PNS	P	04 18 42				
JUL	10	TRJ	IP	05 40 39.8	C			
		LPB	P	05 41 04.5		0.9	15.3	
			(S)	41 58.5				
		PNS	EP	05 41 07				
JUL	10	PNS	EP	05 50 15				
			I	50 17.5				
			S	50 56.4				
		LPB	P	05 50 17.5				
			I	50 21.5				
			S	50 57.5				
JUL	10	USCGS	06 43 57, 36.5N, 138.3E, H = 33 Km, M = 4.2					
		HONSHU, JAPAN						
		PNS	EPKP	07 03 40.6				
			EL	54.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	10	USCGS	06 56 36, 21.1S, 68.8W, H = 122 Km, M = 4.3					
		CHILE-BOLIVIA BOR REG						
		TRJ	IP	06 57 33.0	C			
		LPB	IP	06 57 46.5	C	0.7	247.0	4.6
			S	58 36				
		PNS	IP	06 57 50.1	C	0.9	50.0	
			S	58 37				
			EL	58.8				
JUL	10	PNS	P	07 25 25.1				
			S	25 52				
JUL	10	TRJ	IP	07 39 58.9	C			
		LPB	P	07 40 53.5	D	0.7	19.5	
			S	42 18				
		PNS	P	07 40 57.3		0.4	7.8	
			S	42 23.5				
JUL	10	PNS	P	07 54 17.4				
JUL	10	PNS	EP	08 36 54.5				
			(S)	38 10				
		LPB	EP	08 37 33				
JUL	10	PNS	EP	09 03 52				
			(S)	04 36.2				
		LPB	EP	09 04 24				
JUL	10	PNS	EP	10 03 38.8				
JUL	10	USCGS	10 00 39.1, 30.5S, 177.8W, H = 40 Km, M = 5.8					
		KERMADEC IS REGION						
		LPB	EP	10 14 09				
			ESKS	24 51				97.7
			ESS	32 35				
			EL	46.5				
		PNS	EP	10 14 10				
			ISKS	24 50.0				
			SS	32 23				
			ESSS	36 02				
JUL	10	LPB	EP	11 58 17	C	0.8	33.5	
JUL	10	PNS	EP	12 46 52.1				
		LPB	EP	12 47 21				
JUL	10	LPB	EP	15 25 10				
		PNS	P	15 25 10.6				
			S	25 35.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	10	LPB	EP	15 30 40				
		PNS	EP	15 30 42.5				
JUL	10	LPB	P	15 51 22		1.2	28.5	
			S	52 08.5				
		PNS	P	15 51 23.6				
			I	51 39				
JUL	10	USCGS	16 12 41.5, 24.2N, 125.2E, H = 28 Km, M = 5.9					
		SOUTH WESTERN RYUKYU IS						
		LPB	EPKP	16 32 46.5		2.2	189.0	165.8
			PPKP	32 55.2				
			PKP2	33 44.5				
			EPP	37 25				
			ESS	58 04				
			EL	17 31.8				
		PNS	PKP	16 32 47.5		1.6	90.9	
			PKP2	33 45				
			I	44 16				
			ISS	57 56				
			EL	17 30.6				
		TRJ	PKP	16 32 51.7				
JUL	10	TRJ	IP	17 42 54.1				
			IS	43 19.7				
JUL	10	TRJ	P	21 30 59.0	D			
			S	31 31.6				
JUL	10	USCGS	22 04 24.4, 24.8N, 125.3E, H = 58 Km, M = 5.4					
		S W RYUKYU IS						
		PNS	PKP	22 24 26		1.1	11.2	
			E	25 34.2				
			EL	23 21.6				
		LPB	PKP	22 24 26.7		1.0	17.0	165.3
			EL	23 22 00				
JUL	11	PNS	EP	00 05 22.3				
			S	06 42				
		LPB	EP	00 05 50				
			(S)	06 49.5				
JUL	11	PNS	EP	01 04 39.3				
			I	04 56.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	11	USCGS	01 11 17.8, 53.6N, 167.6W, H = 23 Km, M = 5.1					
			FOX IS, ALEUTIAN IS					
		PNS	ESKS	01 36 20				
			ESS	45 30				
			EL	02 03 00				
JUL	11	PNS	EP	01 33 16.6				
		LPB	EP	01 33 34				
JUL	11	TRJ	P	01 56 59.2	C			
		PNS	EP	01 57 46.2		0.8	9.1	
		LPB	P	01 57 53.5		0.8	5.6	
JUL	11	PNS	P	02 42 03.2		0.3	3.1	
			S	42 25.7				
JUL	11	PNS	EP	02 48 03				
			S	50 21.2				
		LPB	E(P)	02 48 11				
			(S)	50 15				
			EL	52 00				
JUL	11	TRJ	EP	03 56 09.7	C			
			S	56 40.2	C			
JUL	11	USCGS	05 14 14, 18.8N, 107.6W, H = 33 Km, M = 3.7					
			OFF COAST OF JALISCO, MEXICO					
		PNS	P	05 23 21.6				
			EL	39.3				
		LPB	EP	05 23 27		1.0	6.0	52.2
			EL	40 00				
JUL	11	TRJ	IP	05 32 25.2	D			
			SD	33 16.3	D			
		LPB	EP	05 32 50				
		PNS	P	05 32 51.8	D	0.8	6.3	
						0.6	7.0	
JUL	11	PNS	EP	05 51 55				
		LPB	EP	05 51 58				
			EL	06 06 00				
JUL	11	PNS	EP	05 53 46				
		LPB	EP	05 53 47				
JUL	11	PNS	P	07 14 30.5				
			S	14 52.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	11	USCGS	07 28 17.3, 6.9N, 73.0W, H = 161 Km, M = 4.6					
			NORTHERN COLOMBIA					
		PNS	EP	07 33 13.6				
			PP	33 46				
			ES	37 13				
			EL	40 00				
		LPB	P	07 33 17		0.9	13.6	23.7
			PP	33 50.2				
JUL	11	PNS	P	09 00 43.5				
			S	01 07.8				
JUL	11	LPB	EP	09 08 38				
			EL	23 00				
		PNS	P	09 08 40.1				
			EL	21.4				
			I	25.0				
JUL	11	TRJ	P	09 15 26.6				
JUL	11	USCGS	09 29 54.7, 6.8N, 73.1W, H = 172 Km, M = 4.7					
			NORTHERN COLOMBIA					
		PNS	EP	09 34 50.0		0.7	9.9	
			IPP	35 23.0				
			S	38 54.3				
			EL	41.4				
		LPB	EP	09 34 52.5		0.8	8.4	23.7
			S	38 55				
JUL	11	LPB	EP	11 17 02				
		PNS	EP	11 17 08.7				
JUL	11	USCGS	15 37 09, 53.6N, 167.9W, H = 60 Km, M = 4.3					
			FOX IS, ALEUTIAN IS					
		LPB	EP	15 51 28				109.1
			EL	16 27 00				
JUL	11	LPB	P	16 02 58.0		0.7	23.5	
		PNS	P	16 03 01.8	C	0.4	8.7	
			S	04 07				
JUL	11	PNS	EP	18 46 21				
			S	47 20				
		LPB	EP	18 47 55				
JUL	11	PNS	P	21 15 18				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	11	PNS	EP	21 20 39.6				
			S	21 06				
JUL	11	LPB	EP	21 22 16		0.8	11.2	
			S	22 43.5				
JUL	11	PNS	EP	22 50 30.5				
			S	51 21.6				
		LPB	EP	22 50 41				
			E	50 31				
JUL	11	USCGS	22 46 05.7, 19.2S, 173.6W, H = 120 Km, M = 5.6					
		TONGA IS						
		LPB	EP	22 59 33		1.7	43.0	98.2
			EPP	23 03 32				
			SKS	10 13				
			PS	12 39				
			L	31.8				
		PNS	EP	22 59 34				
			EPP	23 03 36				
JUL	12	LPB	P	00 47 54		1.0	10.0	
		PNS	P	00 47 55				
JUL	12	LPB	EP	04 23 34				
		PNS	P	04 23 37.4	D	0.6	5.6	
		TRJ	P	04 24 24.6	C			
JUL	12	USCGS	07 04 04.5, 32.4N, 141.2E, H = 41 Km, M = 4.0					
		S OF HONSHU, JAPAN						
		PNS	PKP	07 23 54.8				
		LPB	EPKP	07 23 55				
			EL	08 14 00				149.1
JUL	12	USCGS	08 01 37, 21.3S, 68.9W, H = 99 Km, M = 4.9					
		CHILE-BOLIVIA BOR REG						
		TRJ	IP	08 02 40.6	C			
		LPB	IP	08 02 51	C	0.6	89.0	4.9
			IS	03 28				
			L	04.2				
		PNS	IP	08 02 53.8	C			
			S	03 48				
JUL	12	PNS	EP	08 22 29				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	12	PNS	EP	10 02 26.7				
			S	02 59.7				
JUL	12	LPB	E(P)	10 25 30				
		PNS	EP	10 25 49.4				
JUL	12	PNS	P	14 13 07.7		0.8	7.3	
JUL	12	USCGS	14 04 28, 36.7N, 71.4E, H = 143 Km					
		AFGHANISTAN-USSR BOR REG						
		LPB	EPKP	14 23 36				139.3
			EL	15 11 00				
JUL	12	TRJ	IP	15 35 20.0	C			
JUL	12	PNS	EP	15 51 23.4				
			S	51 45.3				
JUL	12	LPB	EP	16 53 45				
		PNS	EP	16 53 48.2				
JUL	12	USCGS	18 53 08.5, 44.6N, 37.4E, H = 26 Km, M = 5.9					
		W CAUCASUS						
		PNS	EPKP	19 11 44,6				
			PP	12 35.4				
			SS	27 52				
		LPB	PKP	19 11 45		1.4	44.0	112.6
			PP	12 34				
			ESS	28 22				
			EL	46 00				
JUL	12	TRJ	P	21 34 31.5	D			
			IS	35 01.4	C			
JUL	13	LPB	P	00 07 47		0.8	9.8	
		PNS	P	00 07 47.9		0.5	10.4	
			S	08 16.8				
JUL	13	TRJ	P	01 45 50.8	C			
		PNS	EP	01 45 54				
			(S)	47 06				
		LPB	P	01 46 54				
			(S)	47 00				
JUL	13	TRJ	P	07 31 14.5	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	13	LPB	EP	07 41 51				
		PNS	EP	07 41 51.3				
JUL	13	USCGS	08 20 59.4, 12.6N, 87.7W, H = 61 Km, M = 5.3					
		NEAR COAST OF NICARAGUA						
		PNS	P	08 27 43.1		1.4	126.2	
			PP	27 51.7				
			I	30 19.6				
			S	33 10				
			G	36 58				
			L	37.9				
		LPB	P	08 27 46.5		1.8	144.0	34.9
			PP	27 53.5				
			S	33 11				
			SS	36 35				
			G	37.0				
			L	38.7				
		TRJ	IP	08 28 38.9	D			
JUL	13	PNS	P	08 30 27.0				
JUL	13	USCGS	08 32 50, 2.3S, 77.3W, H = 158 Km, M = 4.5					
		PERU-ECUADOR BOR REG						
		PNS	EP	08 36 32.4		0.7	13.2	
		LPB	EP	08 36 33.5		1.0	8.0	16.4
			L	39 00				
		TRJ	P	08 37 40.9	C			
JUL	13	TRJ	IP	08 51 28.6	D			
JUL	13	PNS	EP	09 32 32		0.6	5.6	
			S	33 38.7				
		LPB	EP	09 32 33				
			(S)	32 46				
JUL	13	LPB	EP	09 50 18				
		PNS	EP	09 50 18.6				
JUL	13	USCGS	10 34 02.8, 56.8N, 34.1W, H = 24 Km, M = 4.9					
		N ATLANTIC OCEAN						
		LPB	EP	10 45 46				7.7
		PNS	EP	10 45 57				
			EL	11 09.7				
JUL	13	USCGS	12 04 39, 43.6N, 147.5E, H = 33 Km, M = 4.7					
		KURILE IS						
		LPB	EPKP	12 23 51				139.7

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	13	PNS	P	14 27 15.3		1.0	9.6	
JUL	13	USCGS	14 40 25.6, 1.0S, 122.8E, H = 126 Km, M = 5.0					
		NORTHERN CELEBES						
		TRJ	IPKP	15 00 12.3	D			
		LPB	PKP	15 00 15		1.2	49.5	159.7
			PKP2	00 38.5				
			PPKP	00 50				
			PP	04 35				
			EL	56 00				
		PNS	PKP	15 00 15.8		1.3	69.6	
			I	15 44				
			EL	56.5				
JUL	13	LPB	EP	16 47 30				
		PNS	EP	16 47 31.4				
JUL	13	PNS	P	16 52 08.6		0.3	6.3	
JUL	13	PNS	P	17 19 30.4		0.5	8.1	
JUL	13	LPB	P	19 27 51.5		0.7	11.7	
			S	28 34				
JUL	13	PNS	EP	19 39 16		0.4	5.8	
			S	39 44.2				
JUL	13	LPB	EP	20 20 50				
			S	21 48.5				
JUL	13	LPB	EP	20 50 55				
JUL	14	USCGS	01 49 38, 23.0S, 70.1W, H = 49 Km, M = 4.8					
		NEAR COAST OF N CHILE						
		TRJ	IP	01 51 00.8	D			
		LPB	P	01 51 20.2		1.0	195.0	6.9
			S	52 45				
			L	53.6				
		PNS	EP	01 51 20.8		0.5	8.7	
			S	52 44				
			SS	52 57				
			SSS	53 16				
			EL	53.6				
JUL	14	LPB	EP	03 06 00				
		PNS	EP	03 06 06				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	14	PNS	IP	03 14 16.2	D	0.3	52.8	
			S	14 41.0				
		LPB	IP	03 14 17		0.6	52.0	
			S	14 42				
JUL	14	USCGS	04 34 46, 8N, 29.9E, H = 33 Km, M = 5.3					
			REPUBLIC OF THE CONGO					
		PNS	EP	04 58 29.2				
JUL	14	USCGS	06 18 47.6, 35.6N, 140.0E, H = 71 Km, M = 5.0					
			NEAR S COAST OF HONSHU, JAPAN					
		PNS	EP	06 38 24.7		1.3	58.0	
			PPKP	38 34.4				
		LPB	P	06 38 26.2		1.1	16.0	148.8
			I	38 29.5				
			PKP2	38 35.7				
			PPKP	38 50.5				
			EL	07 29 00				
JUL	14	USCGS	06 42 17.6, 35.2N, 140.2E, H = 43 Km, M = 4.4					
			NEAR E COAST OF HONSHU, JAPAN					
		PNS	EPKP	07 01 12.7				
			E	01 51.9				
		LPB	EP	07 01 13				
			EL	40 00				121.6
JUL	14	USCGS	07 24 06, 15.1S, 174.2W, H = 189 Km, M = 4.6					
			TONGA IS					
		LPB	EP	07 37 26				
		PNS	EP	07 37 36.8				100.7
JUL	14	PNS	EP	09 25 08.7				
JUL	14	USCGS	09 58 00, 45.7N, 151.8E, H = 33 Km, M = 4.7					
			KURILE IS					
		PNS	EPKP	10 17 22.4				
		LPB	EPKP	10 17 23				136.3
JUL	14	USCGS	12 18 17, 56.2N, 149.8W, H = 33 Km, M = 5.2					
			GULF OF ALASKA					
		LPB	EP	12 31 35				
			EL	13 05 00				99.2
JUL	14	PNS	EP	13 29 42				
			S	30 18.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	14	PNS	P	14 30 01.3		0.7	8.3	
JUL	14	PNS	EP	15 04 37.3		0.7	8.3	
JUL	14	PNS	EP	16 38 31				
			(S)	39 21.6				
		LPB	EP	16 38 36				
			S	39 25				
JUL	14	USCGS	18 07 04.1, 53.1N, 171.1E, H = 29 Km, M = 5.2					
			NEAR IS, ALEUTIAN IS					
		PNS	EPKP	18 26 02.8				
JUL	14	USCGS	18 08 46, 53.1N, 170.9E, H = 29 Km, M = 4.9					
			NEAR IS, ALEUTIAN IS					
		PNS	EPKP	18 27 38				
		LPB	EPKP	18 27 39				121.8
JUL	14	PNS	P	18 38 25		0.8	11.6	
JUL	14	LPB	EP	20 00 49		1.0	28.0	
			E(S)	01 41.5				
		PNS	IP	20 00 51.5	D	1.3	74.2	
			I	02 01.7				
			S	02 27				
JUL	14	USCGS	20 00 02.5, 52.9S, 27.5E, H = 33 Km, M = 5.4					
			SOUTH OF AFRICA					
		LPB	IP	20 12 12.2	C	2.0	110.0	79.6
			EL	37 00				
		PNS	IP	20 12 14.5	D	0.9	63.6	
JUL	14	USCGS	23 28 14, 13.8N, 91.2W, H = 48 Km, M = 4.1					
			NEAR COAST OF GUATEMALA					
		PNS	EP	23 35 23.5				
			EL	46.8				
		LPB	EP	23 35 28				38.2
			EL	47 00				
JUL	14	PNS	EP	23 58 48				
		LPB	EP	23 58 56				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	15	TRJ	P	00 29 20.0	D			
			S	29 59.1	D			
JUL	15	PNS	EP	00 48 40.4				
JUL	15	TRJ	IP	01 23 45.4	D			
JUL	15	LPB	EP	01 33 13				
JUL	15	USCGS	02 26 15, 35.4N, 36.4W, H = 33 Km, M = 4.5					
			N ATLANTIC RIDGE					
		LPB	P	02 36 19.5		1.5	44.0	59.6
			EL	53 00				
		PNS	IP	02 36 20.00		1.0	40.4	
			ES	43 36				
			EL	52.9				
JUL	15	LPB	EP	03 04 21				
			S	06 11				
		PNS	EP	03 04 34.7				
JUL	15	USCGS	04 23 46, 10.2S, 79.5W, H = 33 Km, M = 4.4					
			OFF COAST OF PERU					
		PNS	EP	04 26 45.2				
			E	30 31				
			L	31.4				
		LPB	EP	04 26 48.5				12.8
			ES	29 43				
			EL	31.4				
JUL	15	USCGS	05 35 47, 6.7N, 72.8W, H = 173 Km, M = 4.2					
			N COLOMBIA					
		PNS	EP	05 40 43				
			EPP	41 14				
			EL	47.2				
		LPB	EP	05 41 19		0.9	6.8	23.4
			EL	48 00				
JUL	15	LPB	P	06 34 44		1.0	8.0	
		PNS	EP	06 34 48		0.9	10.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	15	USCGS	08 00 00.7, 16.9N, 61.5W, H = 89 Km, M = 5.4					
			LEEWARD IS					
		PNS	IP	08 06 35.7	C	1.2	42.7	
			I	06 06.2				
			S	11 56				
			ESS	13 46				
			EL	16.4				
		LPB	IP	08 06 37.3		1.4	12.8	33.7
			EPP	07 52.5				
			ES	12 04				
			EL	16 00				
		TRJ	P	08 07 18.6	D			
JUL	15	USCGS	08 37 35.4, 20.2S, 178.6W, H = 612 Km, M = 4.6					
			FIJI IS REG					
		LPB	EP	08 49 25				102.4
			EL	09 24 00				
JUL	15	USCGS	10 09 44, 35.1N, 117.9W, H = 33 Km, M = 4.3					
			CENTRAL CALIFORNIA					
		LPB	EP	10 20 51				69.8
JUL	15	PNS	P	10 32 45.4		0.3	6.3	
			IS	33 07.4				
JUL	15	PNS	EP	10 52 23				
		LPB	EP	10 52 26				
JUL	15	PNS	P	14 51 11.0				
			S	51 33.5				
JUL	15	PNS	IP	15 42 42.3	D	0.4	34.0	
			IS	43 04.2				
		LPB	P	15 42 43		1.0	28.0	
			IS	43 05.5				
JUL	15	PNS	IP	16 16 30.8	D	0.4	27.2	
			IS	16 54.1				
		LPB	P	16 16 33.5		0.4	22.5	
			S	16 59				
JUL	15	USCGS	20 26 17, 5.1N, 127.0E, H = 56 Km, M = 4.9					
			MINDANAO, P. I.					
		LPB	EPKP	20 46 10				161.2
			EL	21 42 00				
		PNS	EPKP	20 46 21.4				
			EL	21 42.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	15	PNS	P	20 57 28.0	D	0.7	11.6	
JUL	15	USCGS	21 26 06, 52.7N, 167.6W, H = 33 Km, M = 4.9 FOX IS, ALEUTIAN IS					
		LPB	EP	21 40 28				102.0
			EL	22 18 00				
JUL	15	TRJ	IP	21 52 38.0	C			
JUL	15	PNS	P	22 34 57.5		0.4	3.8	
			S	35 21.0				
JUL	16	USCGS	00 34 37, 0.3N, 121.5E, H = 181 Km, M = 5.4 N CELEBES					
		LPB	EPKP	00 54 20				163.9
		PNS	EPKP	00 54 27.4				
JUL	16	PNS	P	03 47 14.4		0.3	6.3	
			S	47 36.6				
JUL	16	PNS	IP	03 53 11.7	D	0.3	26.4	
			S	53 36				
JUL	16	LPB	EP	03 58 46				
		PNS	EP	03 59 02.7				
JUL	16	PNS	P	05 23 00.3				
			S	23 23.7				
JUL	16	LPB	EP	06 02 43				
JUL	16	PNS	EP	06 33 24.8		0.3	7.3	
			S	34 11.3				
		LPB	EP	06 33 58				
			S	34 50.5				
JUL	16	USCGS	07 19 55.8, 10.9S, 165.9E, H = 68 Km, M = 5.2 SANTA CRUZ IS					
		PNS	P	07 38 15		1.0	15.1	
		LPB	P	07 38 41.5		0.8	7.0	120.2
			L	08 17 00				
JUL	16	TRJ	P	07 58 32.2	D			
			S	59 07.5	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	16	LPB	EP	09 59 10		0.5	10.4	
			S	00 38				
		PNS	IP	09 59 41.8	C	0.3	11.6	
			S	10 00 06				
JUL	16	PNS	IP	10 59 48.0	D	0.3	12.6	
			S	11 00 10.5				
JUL	16	PNS	EP	11 00 48.0				
			S	01 15.7				
		LPB	EP	11 01 03				
JUL	16	PNS	P	11 44 03.7		0.5	5.8	
		TRJ	EP	11 44 17.8				
		LPB	EP	11 44 25.5				
JUL	16	PNS	EP	12 01 27.8				
		LPB	EP	12 01 45				
JUL	16	PNS	P	14 22 51.0		0.6	8.5	
JUL	16	PNS	EP	16 44 28		0.4	3.9	
JUL	16	LPB	EP	18 11 46				
		PNS	EP	18 11 48.4		1.1	32.3	
JUL	16	PNS	EP	18 28 31.3		0.4	4.8	
		LPB	EP	18 28 43				
JUL	16	USCGS	19 43 27.4, 40.7N, 74.2E, H = 33 Km, M = 4.8 KIRGIZ-SINKIANG BOR REG					
		LPB	EPKP	20 02 56.5				139.6
			EL	50 00				
JUL	16	USCGS	20 09 51.1, 18.2N, 64.6W, H = 130 Km, M = 4.7 VIRGIN IS					
		PNS	EP	20 16 28.8		0.4	7.7	
			ES	21 33				
			EL	26.1				
		LPB	P	20 16 30		0.8	18.2	34.6
			EL	27 00				
JUL	16	PNS	EP	22 04 46.4		0.9	13.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	16	PNS	P	22 18 36.1		0.2	18.9	
			IS	19 00.9				
JUL	16	LPB	IP	22 53 54.0		1.4	46.0	
			S	54 36				
		PNS	P	22 53 55		0.9	26.3	
			S	54 57.8				
JUL	16	LPB	P	23 15 53		1.0	18.0	
			(S)	16 37				
		PNS	EP	23 15 54.5		0.9	12.6	
			(S)	16 35.8				
JUL	17	USCGS	00 14 02, 9.2N, 82.4W, H = 33 Km, M = 4.1					
		PANAMA-COSTA RICA BOR REG						
		LPB	EP	00 20 04				29.2
JUL	17	USCGS	01 03 03.6, 56.5N, 166.9W, H = 35 Km, M = 4.9					
		CENTRAL ALASKA						
		LPB	EP	01 17 16				108.9
JUL	17	PNS	EP	01 50 26.6		0.3	5.2	
		LPB	EP	01 50 33				
JUL	17	TRJ	P	02 14 17.8				
JUL	17	USCGS	05 31 51, 22.3S, 68.9W, H = 130 Km, M = 4.0					
		N CHILE						
		LPB	P	05 33 17.3		1.0	12.0	5.8
			S	34 10				
		PNS	EP	05 33 20.0		0.3	4.2	
			S	34 28.0				
			EL	34.8				
JUL	17	TRJ	EP	05 56 14.6	C			
			S	56 47.3				
JUL	17	USCGS	06 48 27.6, 5.5S, 153.6E, H = 72 Km, M = 5.0					
		NEW IRELAND REGION						
		PNS	EPKP	07 07 44.6				
			EL	51.7				
		LPB	EPKP	07 07 47				133.3
			PPKP	08 06.5				
			EL	51 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	17	PNS	EP	07 21 25				
			S	22 08				
		LPB	EP	07 21 26				
			(S)	21 57				
JUL	17	PNS	EP	07 59 46.4				
			S	08 00 30				
		LPB	EP	08 00 25		0.9	6.8	
JUL	17	PNS	P	09 01 40.9				
JUL	17	USCGS	08 56 16, 7.6N, 84.5W, H = 33 Km, M = 4.4					
		OFF COAST OF COSTA RICA						
		PNS	P	09 02 12.6		1.0	17.6	
			ES	07 10				
			L	10.6				
		LPB	EP	09 02 14		1.2	7.8	28.9
			EL	10.4				
JUL	17	USCGS	10 27 20.2, 7.1S, 129.4E, H = 141 Km, M = 5.1					
		BANDA SEA						
		LPB	PKP	10 46 56		0.9	15.3	150.4
			I	47 01.2				
		PNS	PKP	10 46 56.1		0.9	15.3	
			I	47 01.3				
			ESS	11 09 49				
			EL	38.2				
		TRJ	EPKP	10 46 58.5				
JUL	17	TRJ	IP	11 58 18.1	D			
JUL	17	PNS	EP	12 41 49.8				
			S	42 13.6				
JUL	17	USCGS	12 40 00, 12.2N, 144.0E, H = 20 Km, M = 4.9					
		S OF MARIANA IS						
		PNS	EPKP	12 59 47.7				
			EL	13 50.3				
		LPB	EPKP	12 59 50				148.6
JUL	17	USCGS	14 19 17, 25.4S, 70.3W, H = 61 Km, M = 4.2					
		NEAR COAST OF N CHILE						
		TRJ	IP	14 20 54.5	C			
		PNS	EP	14 21 31				
			IPPP	21 58.6				
			S	23 17				
			EL	23.9				
		LPB	P	14 21 36		0.7	9.1	9.6
			EL	24 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	17	TRJ	IP	15 56 23.2	D			
JUL	17	PNS	P	16 42 22.1		0.5	10.4	
			S	43 06.2				
		LPB	P	16 42 27		1.0	20.0	
			(S)	43 09				
JUL	17	PNS	IP	18 24 35.6		0.5	22.1	
			IS	25 06.0				
JUL	17	LPB	EP	20 38 48				
		PNS	EP	20 38 48.6				
JUL	17	TRJ	IP	20 45 52.8	D			
			IS	46 29.5				
JUL	17	USCGS	20 44 27, 13.4N, 19.3W, H = 33 Km, M = 4.1					
		NEAR COAST OF GUATEMALA						
		LPB	EP	20 51 22				37.9
JUL	17	USCGS	20 57 47.2, 16.1S, 71.8W, H = 119 Km					
		S PERU						
		PNS	IP	20 58 38.4	C	0.5	69.8	
			S	59 16				
		LPB	IP	20 58 43.2		1.0	172.0	3.6
			S	59 27.5				
JUL	17	LPB	EP	21 20 14				
			S	20 54				
		PNS	EP	21 20 15.4				
			S	20 58.6				
JUL	17	USCGS	22 57 37, 71.2N, 5.9W, H = 33 Km, M = 4.7					
		JAN MAYEN IS REG						
		LPB	EP	23 11 26				101.2
JUL	18	USCGS	01 55 02.1, 8.4N, 58.5E, H = 33 Km, M = 4.9					
		CARLSBERG RIDGE						
		LPB	EPKP	02 14 06		1.2	13.0	127.8
			EL	56 00				
		PNS	PKP	02 14 07.7		1.5	38.2	
JUL	18	LPB	EP	03 02 38				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	18	USCGS	04 39 24, 38.4N, 141.5E, H = 74 Km, M = 4.7					
		NEAR E COAST OF HONSHU, JAPAN						
		PNS	PKP	04 58 56.1		0.9	10.9	
		LPB	PKP	04 58 58.0		0.9	17.0	146.4
			E	59 12.3				
		TRJ	EPKP	04 59 13.2	D			
JUL	18	PNS	EP	05 56 08.8				
		LPB	EP	05 56 09		0.9	8.5	
			EL	06 37 00				
JUL	18	USCGS	08 50 00, 20.5S, 70.0W, H = 93 Km, M = 4.2					
		N CHILE						
		TRJ	IP	08 50 59.6	C			
		LPB	P	08 51 05.5		0.7	5.2	4.5
			I	51 40.5				
			S	51 53				
		PNS	P	08 51 07.3		0.7	21.5	
			S	51 54				
JUL	18	PNS	EP	09 55 01				
			S	55 55.8				
		LPB	EP	09 55 18				
JUL	18	USCGS	09 59 10, 13.1N, 57.6E, H = 33 Km, M = 5.1					
		ARABIAN SEA						
		LPB	EPKP	10 18 16		1.0	6.0	127.9
			EL	11 00 00				
		PNS	EPKP	10 18 16.7		1.4	20.0	
JUL	18	PNS	IP	11 18 44.1	D	0.8	42.7	
			(S)	21 03				
		LPB	P	11 18 50		0.8	14.0	
			S	20 04				
JUL	18	USCGS	11 04 30, 51.8N, 173.4W, H = 18 Km, M = 4.0					
		ANDREANOF IS, ALEUTIAN IS						
		EL	11 57 00					112.3
JUL	18	PNS	EP	12 04 58.1				
			S	05 12.5				
JUL	18	PNS	EP	13 21 31				
			S	22 08.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	18	TRJ	IP	14 40 12.4	D			
			IS	40 43.1				
JUL	18	PNS	P	16 38 25.4		0.5	5.8	
			S	39 02				
JUL	18	USCGS	16 30 41, 18.2S, 178.5W, H = 597 Km, M = 3.7					
		FIJI IS REG						
		LPB	EP	16 43 25				103.1
			EL	17 20 00				
JUL	18	LPB	P	19 36 09		1.2	20.7	
			ES	43 19				
			EL	54 00				
		PNS	P	19 36 11.7		1.2	31.1	
JUL	18	LPB	P	21 42 20.5		0.8	25.0	
			S	42 53.5				
		PNS	IP	21 42 21	D	0.5	30.2	
			IS	42 54.2				
JUL	18	USCGS	22 15 38, 38.3S, 93.7W, H = 33 Km, M = 5.1					
		CHILE RISE						
		TRJ	EP	22 21 47.8	D			
		PNS	P	22 21 57		0.8	25.2	
			I	22 00.2				
			PCP	25 34.8				
			L	30.6				
		LPB	EP	22 21 59		1.0	30.0	31.1
			PCP	25 33.5				
			S	27 11				
			L	30.5				
JUL	18	PNS	EP	22 26 23.7		0.8	21.3	
JUL	18	USCGS	22 35 16, 38.3S, 93.9W, H = 33 Km, M = 4.7					
		CHILE RISE						
		TRJ	P	22 41 26.3	C			
		LPB	EP	22 41 35		1.0	20.0	31.2
			L	50 00				
		PNS	P	22 41 36.0		0.9	87.8	
			I	41 42.2				
			L	50.2				
JUL	18	USCGS	23 05 21, 55.3N, 35.6W, H = 33 Km, M = 4.3					
		N ATLANTIC OCEAN						
		LPB	EL	23 43 00				76.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	19	USCGS	00 20 11, 55.5N, 35.4W, H = 33 Km, M = 4.6					
		ATLANTIC OCEAN						
		LPB	EP	00 31 53				
		PNS	EP	00 32 01		1.1	22.8	76.5
JUL	19	PNS	P	01 47 38		0.4	4.8	
			S	48 00.1				
JUL	19	USCGS	01 40 53.9, 56.2N, 164.9E, H = 18 Km, M = 5.4					
		KOMANDORSKY IS REG						
		PNS	PKP	01 59 56.6				
			PP	02 01 40				
			PPP	04 23				
			EPS	11 45				
			EL	40 00				
		LPB	PKP	01 59 57.5		1.0	12.0	123.9
			EPP	02 02 10				
			G	32 00				
			EL	40 00				
		TRJ	PKP	02 00 07.0				
JUL	19	TRJ	P	02 06 56.2	D			
			S	07 26.0				
JUL	19	USCGS	02 05 06, 55.4N, 34.8W, H = 33 Km, M = 4.5					
		N ATLANTIC OCEAN						
		LPB	EP	02 16 57				
		PNS	P	02 16 57.1				77.1
			L	42.5				
JUL	19	PNS	EP	03 42 21.3				
		LPB	P	03 42 25		1.2	9.1	
JUL	19	PNS	IP	04 18 09.1	D	0.3	107.7	
			IS	18 32.2				
		LPB	P	04 18 11	C	0.9	15.3	
			S	18 36.5				
JUL	19	TRJ	IP	04 59 11.0	D			
		LPB	P	05 00 05.5		0.6	4.8	
		PNS	P	05 00 09.8		0.6	7.0	
JUL	19	LPB	P	05 23 32.5				
		PNS	EP	05 23 36.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	19	USCGS	06 22 21, 27.9N, 139.1E, H = 554 Km, M = 4.3					
			BONIN IS REG					
		LPB	EPKP	06 41 08		1.0	4.0	152.2
JUL	19	USCGS	07 25 27.6, 23.2S, 66.8W, H = 153 Km, M = 5.2					
			JUJUY PROVINCE, ARGENTINA					
		TRJ	IP	07 26 17.5	D			
		LPB	IP	07 27 08.8	C	0.8	229.0	6.7
			S	28 21				
			L	29.4				
		PNS	IP	07 27 11.7	C	0.9	26.2	
			IS	28 29.8				
			L	29.1				
JUL	19	LPB	EP	10 14 33		0.6	25.2	
			S	14 59.9				
JUL	19	USCGS	10 08 37, 55.7N, 36.3W, H = 33 Km, M = 4.4					
			N ATLANTIC OCEAN					
		LPB	EP	10 20 10.5				74.3
JUL	19	USCGS	11 51 48.1, 4.7S, 143.0E, H = 104 Km, M = 5.3					
			NEW GUINEA					
		LPB	PKP	12 11 07.0				
JUL	19	PNS	EP	13 21 42.6				
			(S)	22 08				
		LPB	P	13 21 49		0.7	10.4	
JUL	19	TRJ	P	13 57 45.1	D			
			S	58 10.1				
JUL	19	USCGS	14 58 20, 4.8S, 144.2E, H = 55 Km, M = 5.2					
			NEAR N COAST OF NEW GUINEA					
		LPB	EPKP	15 17 42				141.4
			EL	16 05 00				
		PNS	PKP	15 17 43.6		1.0	12.2	
JUL	19	PNS	EP	16 43 38				
			S	44 20.2				
		LPB	P	16 43 40		0.6	12.0	
JUL	19	USCGS	19 22 35, 32.4S, 71.5W, H = 66 Km, M = 3.8					
			NEAR COAST OF CENTRAL CHILE					
		LPB	EP	19 26 17.5		0.8	5.6	15.1
			S	28 30				
			EL	31 00				
		PNS	P	19 26 18.2		0.9	9.2	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	19	USCGS	19 20 33.4, 51.7N, 173.3W, H = 47 Km, M = 5.5					
			ANDREANOF IS, ALEUTIAN IS					
		LPB	EPKP	19 39 06				112.2
			PS	49 24				
			EL	20 13 00				
		PNS	EPKP	19 39 12.4				
			E	39 17.7				
JUL	19	PNS	P	21 07 19.0		0.6	11.2	
JUL	19	LPB	EP	21 17 02				
		PNS	IP	21 17 05.7	C	0.6	93.0	
JUL	19	TRJ	IP	22 13 23.4	D			
			IS	13 54.2				
JUL	19	USCGS	21 18 43.2, 51.8N, 173.3W, H = 56 Km, M = 4.5					
			ANDREANOF IS, ALEUTIAN IS					
		LPB	EL	22 13 00				112.2
JUL	19	PNS	P	22 19 40.9		1.0	12.6	
JUL	19	TRJ	IP	22 29 07.7	D			
JUL	19	PNS	EP	23 29 50.3				
		LPB	EP	23 29 57				
JUL	20	PNS	EP	02 18 44.6				
			S	19 24.6				
JUL	20	TRJ	P	03 38 42.3	C			
JUL	20	TRJ	IP	03 42 39.0	C			
JUL	20	USCGS	04 30 24, 56.3S, 25.2W, H = 33 Km, M = 5.0					
			S SANDWICH IS REG					
		LPB	P	04 39 27.5	C	1.1	20.7	50.7
			E	44 24				
			EL	55 00				
		PNS	P	04 39 30.7		1.0	32.8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	20	PNS	EP	04 41 35.1		0.4	4.8	
			S	43 01				
		LPB	EP	04 41 44				
			(S)	43 12				
JUL	20	TRJ	IP	04 49 22.8	C			
JUL	20	USCGS	05 47 59, 19.4S, 70.5W, H = 62 Km, M = 4.4					
		NEAR COAST OF N CHILE						
		LPB	IP	05 48 55	C	0.6	10.8	3.5
			I	49 06.5				
			S	49 26				
		PNS	IP	05 48 55.3	C	0.6	53.2	
			S	49 28.4				
JUL	20	PNS	P	07 40 27.0	D	0.7	6.6	
JUL	20	PNS	IP	07 44 43.5	C	0.7	33.2	
			IS	45 07.0				
		LPB	EP	07 44 46				
JUL	20	LPB	EP	07 51 38.5		0.6	4.8	
JUL	20	TRJ	IP	08 09 18.5	D			
JUL	20	USCGS	07 58 11.9, 51.7N, 173.3W, H = 38 Km, M = 4.4					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	EPKP	08 16 47				112.2
JUL	20	LPB	P	09 09 13.5		0.9	71.4	
			S	09 58.5				
		PNS	P	09 09 16.2		0.9	46.1	
			(S)	10 06.3				
JUL	20	USCGS	09 04 58.2, 35.7N, 101.2W, H = 33 Km, M = 4.8					
		TEXAS PANDHANDLE REGION						
		LPB	EP	09 15 10				51.8
JUL	20	PNS	EP	09 16 49.2				
			(S)	17 49.3				
		LPB	E(P)	09 16 50				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	20	USCGS	09 41 15.9, 6.8N, 73.0W, H = 161 Km, M = 4.9					
		COLOMBIA						
		PNS	P	09 46 12.7				
			IPP	46 45.0				
		LPB	EP	09 46 15				23.5
			IPP	46 49				
JUL	20	USCGS	10 55 57, 4.1S, 104.5W, H = 33 Km, M = 4.6					
		N EASTER I CORDILLERA						
		LPB	EP	11 03 12		1.2	9.2	37.4
			S	09 08				
			G	11.8				
			L	14.5				
JUL	20	TRJ	P	11 18 24.6	D			
JUL	20	USCGS	11 21 40, 39.0N, 142.2E, H = 75 Km, M = 4.4					
		NEAR E COAST OF HONSHU, JAPAN						
		LPB	EP	11 41 08		0.7	19.5	145.4
			S	42 01				
JUL	20	TRJ	P	12 16 41.8	C			
JUL	20	LPB	EP	12 54 28				
JUL	20	USCGS	12 48 57, 6.0S, 133.0E, H = 98 Km					
		TANIMBAR IS REG						
		LPB	EPKP	13 08 27				149.5
		PNS	PKP	13 08 37.8		1.6	81.5	
			PKP2	08 40				
JUL	20	USCGS	13 22 54, 13.3S, 111.4W, H = 33 Km, M = 5.0					
		N EASTER I CORDILLERA						
		PNS	IP	13 30 40.5		0.7	45.0	
		LPB	P	13 30 44				41.8
			S	37 03				
			G	40.4				
			EL	43 00				
JUL	20	USCGS	14 33 12, 18.3N, 94.3W, H = 33 Km, M = 4.5					
		GULF OF CAMPECHE						
		LPB	EP	14 41 07				43.2
			ES	47 44				
			EL	54 00				
		PNS	P	14 41 08.7		0.8	8.9	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	20	LPB	EP	15 45 39				
JUL	20	LPB	P	16 29 24.5	C	1.0	18.0	
JUL	20	PNS	EP	16 37 58				
JUL	20	PNS	P	16 45 23.6		0.5	4.6	
JUL	20	PNS	EP	18 29 01				
JUL	20	USCGS	19 58 44.4, 38.2S, 73.5W, H = 28 Km, M = 4.9 NEAR COAST OF CENTRAL CHILE					
		LPB	P	20 03 42.0		1.3	61.5	21.3
			PP	04 11.5				
			S	07 47				
			EL	09.7				
		PNS	P	20 03 43.4		0.9	65.8	
			IPP	04 14.2				
			(S)	07 51				
JUL	20	PNS	P	20 40 50.0		0.5	5.8	
JUL	20	USCGS	20 50 50, 13.8N, 143.9E, H = 106 Km, M = 5.1 S OF MARIANA IS					
		LPB	EPKP	21 10 23				149.1
			L	22 01 00				
		PNS	EPKP	21 10 31.4				
JUL	20	USCGS	21 46 39, 38.1S, 72.4W, H = 79 Km, M = 4.1 CENTRAL CHILE					
		LPB	EP	21 51 26				21.6
		PNS	EP	21 51 34		0.9	10.9	
JUL	20	TRJ	P	23 23 31.1	D			
		PNS	EP	23 24 00.1				
JUL	21	PNS	P	00 09 41.5		0.5	5.8	
			S	10 16.2				
JUL	21	PNS	EP	02 42 17.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	21	USCGS	03 33 09.6, 52.8S, 160.3E, H = 34 Km, M = 5.6 MACQUARIE IS REG					
		PNS	EP	03 46 51.3				
		LPB	EP	03 46 55				99.8
			L	04 19 00				
JUL	21	PNS	P	03 53 01.2				
JUL	21	USCGS	03 57 57.8, 49.7N, 77.9E, M = 5.6 E KAZAKH SSR					
		LPB	EPKP	04 17 24		1.0	8.0	143.2
			EL	05 04 00				
		PNS	EPKP	04 17 24				
JUL	21	USCGS	05 05 09, 19.1N, 121.0E, H = 33 Km, M = 5.0 PHILIPPINE IS REG					
		LPB	EPKP	05 15 09				171.0
JUL	21	USCGS	05 23 51.1, 5.0S, 154.3E, H = 415 Km, M = 5.0 SOLOMON IS					
		LPB	PKP	05 42 21.2		1.4	32.0	132.6
			I	45 13.2				
			EL	06 27 00				
		PNS	IPKP	05 42 22.0		1.6	172.0	
JUL	21	USCGS	05 32 18.2, 3.9S, 104.3W, H = 33 Km, M = 5.1 N EASTER I CORDILLERA					
		LPB	EP	05 39 28.5		1.0	8.0	37.3
			(PCP)	42 21				
			S	45 31				
			L	50.8				
		PNS	EP	05 39 30		1.5	72.6	
			IS	45 12.7				
			E	45 33.4				
JUL	21	USCGS	05 54 12, 52.7S, 160.5E, H = 33 Km, M = 5.2 PERU					
		PNS	IP	05 54 57.2	D	0.5	232.7	
			S	54 30.2				
		LPB	IP	05 55 02	D	0.7	140.0	3.1
			S	55 38				
		TRJ	P	05 56 09.8	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	21	USCGS	05 50 01, 52.7S, 160.5E, H = 33 Km, M = 5.2					
		MACQUARIE IS REG						
		LPB	EL	06 37 00				99.
JUL	21	LPB	EP	06 44 46				
		PNS	EP	06 44 46		1.2	23.3	
JUL	21	TRJ	IP	08 02 51.6	D			
			IS	03 23.1	C			
JUL	21	PNS	EP	08 36 13				
			S	36 38.3				
		LPB	EP	08 36 23				
JUL	21	USCGS	09 02 27.2, 52.0N, 170.0W, H = 30 Km, M = 5.3					
		FOX IS, ALEUTIAN IS						
		LPB	EL	09 55 00				110.
JUL	21	PNS	P	09 24 06.4		0.4	7.7	
			S	24 32.6				
		LPB	P	09 24 13		0.9	11.9	
			S	24 44.5				
JUL	21	USCGS	10 02 48.3, 51.5N, 173.3W, H = 47 Km, M = 4.7					
		ANDREANOP IS, ALEUTIAN IS						
		LPB	EPKP	10 21 20				112.2
		PNS	EPKP	10 21 24				
JUL	21	TRJ	IP	12 03 22.1	D			
		LPB	P	12 04 04.5	C	0.9	44.2	
		PNS	IP	12 04 09.0	C	0.5	25.6	
JUL	21	TRJ	P	12 17 30.3	D			
JUL	21	PNS	P	12 33 44		0.9	37.3	
JUL	21	PNS	EP	13 30 53.9		0.2	8.7	
		LPB	EP	13 30 54		1.0	18.0	
JUL	21	USCGS	13 26 39, 11.0N, 139.5E, H = 33 Km					
		CAROLINE IS						
		LPB	EPKP	13 46 16				152.5
			PPKP	46 34.5				
			EL	14 34 00				
		PNS	PKP	13 46 33.8				
			IPPKP	46 40.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	21	TRJ	IP	14 55 36.6	D			
			S	56 10.5				
JUL	21	PNS	EP	15 05 52.6		0.6	7.0	
JUL	21	TRJ	IP	16 32 40.2	D			
			S	33 11.4				
JUL	21	LPB	EP	17 33 24				
		PNS	P	17 33 38.3		0.5	5.8	
			S	34 01.0				
JUL	21	USCGS	18 30 14.9, 17.8S, 178.6W, H = 591 Km, M = 5.6					
		FIJI IS REG						
		LPB	EP	18 43 07				103.3
			(PPP)	50 37				
			SKS	57 06				
			EL	19 18 00				
JUL	22	PNS	EP	02 30 17				
			S	31 15.4				
		LPB	E(P)	02 30 20				
			(S)	31 13				
JUL	22	USCGS	03 39 59.7, 42.8N, 84.5N, H = 33 Km, M = 5.2					
		N SIANKIANG PROVINCE, CHINA						
		LPB	PKP	03 59 35.2	C	1.0	24.0	144.9
			EL	04 48 00				
		PNS	PKP	03 59 35.4	D	1.0	50.5	
		TRJ	PKP	03 59 43.0	C			
JUL	22	PNS	P	04 04 27.8	D	0.5	11.6	
JUL	22	PNS	IP	04 22 50.4	D	0.3	10.5	
			S	23 15.7				
		LPB	IP	04 22 51.0	D	0.5	10.2	
			S	23 16				
JUL	22	PNS	IP	05 31 23.6	D	0.5	32.6	
			IS	32 45.6				
		LPB	EP	05 31 51				
			S	32 48				
JUL	22	TRJ	P	07 04 06.1	C			
JUL	22	TRJ	P	07 29 16.8	C			
			IS	29 59.3	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	22	LPB	EP	08 23 17.5				
JUL	22	USCGS	08 25 54.7, 16.0S, 168.0E, H = 187 Km, M = 5.5 NEW HEBRIDES IS					
		LPB	EPKP	08 44 18		1.2	7.8	115.8
			EL	09 20 00				
		PNS	EPKP	08 44 18				
JUL	22	LPB	EP	08 54 48				
		PNS	EP	08 54 50.4		1.4	4.4	
JUL	22	PNS	EP	09 38 29				
			S	39 15.4				
		LPB	P	09 38 34.0	C	0.8	7.0	
JUL	22	PNS	EP	09 57 58.7				
			S	10 00 00				
		LPB	EP	09 58 06				
			I	58 24.3				
			ES	10 00 17				
JUL	22	USCGS	10 17 22.5, 51.7N, 173.5W, H = 56 Km, M = 5.6 ANDREANOF IS, ALEUTIAN IS					
		LPB	EPKP	10 35 25.8				112.6
			SKS	46 18				
			EL	11 11 00				
		PNS	EPKP	10 35 58				
			I	46 56.5				
JUL	22	USCGS	10 59 58, 24.1S, 66.9W, H = 188 Km, M = 4.2 SALTA PROVINCE, ARGENTINA					
		TRJ	IP	11 00 55.2	C			
		LPB	EP	11 01 45				7.7
		PNS	EP	11 01 51.6		0.9	17.6	
			S	03 06.6				
JUL	22	PNS	IP	12 17 05.8	D	0.5	40.7	
JUL	22	USCGS	13 05 48, 64.4S, 175.7E, H = 33 Km BALLENY IS REG					
		LPB	EP	13 18 10				81.0
			L	44 00				
		PNS	EP	13 18 26				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	22	LPB	EP	18 57 35		1.0	20.0	
			S	58 15				
		PNS	EP	18 57 36.6	D	0.5	8.1	
			S	58 17.5				
JUL	22	USCGS	19 47 41, 6.2S, 8.9W, H = 48 Km, M = 4.9 NEAR COAST OF N PERU					
		PNS	EP	19 51 23		0.9	10.5	
			I	51 26.2				
		LPB	EP	19 51 27	C	1.0	9.0	15.9
			I	51 31				
			S	54 25				
			L	56.5				
JUL	22	LPB	EP	20 13 33				
			ES	14 16				
		PNS	P	20 13 35.8				
			S	14 21.6				
JUL	22	PNS	EP	23 16 07.5				
JUL	23	PNS	EP	01 54 03.4				
JUL	23	USCGS	01 57 09, 47.2N, 119.5W, H = 33 Km, M = 4.3 WASHINGTON					
		LPB	EP	02 09 12				78.3
			EL	34 00				
JUL	23	LPB	EL	02 09.4				86.2
JUL	23	PNS	P	02 46 00.3		0.5	4.6	
		LPB	P	02 46 07.7	C	0.9	12.7	
			ES	47 20				
JUL	23	USCGS	03 37 55.8, 51.7N, 173.6W, H = 41 Km, M = 4.7 ANDREANOF IS, ALEUTIAN IS					
		LPB	EL	04 31 00				112.6
JUL	23	LPB	P	04 08 08.8				
JUL	23	PNS	EP	05 03 40.3				
JUL	23	PNS	EP	05 14 35				
		LPB	EP	05 14 44				
			S	16 31				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	23	TRJ	IP	05 21 09.6	D			
			IS	21 51.6	D			
JUL	23	PNS	P	05 26 03.9		0.5	7.0	
JUL	23	LPB	EP	05 31 32		0.8	24.4	
			I	31 54				
			(S)	33 08.5				
		PNS	P	05 31 35.5		0.9	31.5	
JUL	23	USCGS	05 46 23, 7.1S, 130.0E, H = 89 Km, M = 5.1					
		BANDA SEA						
		PNS	PKP	06 06 03.4		1.5	71.0	
			IPKP2	06 09.0				
		LPB	PKP	06 06 03.5		1.2	23.4	150.4
			I	06 08.8				
			EL	57 00				
		TRJ	PKP	06 06 03.9	C			
JUL	23	TRJ	IP	06 47 53.5	C			
JUL	23	LPB	P	07 54 51.5		0.6	14.4	
JUL	23	TRJ	P	08 09 05.1	C			
JUL	23	USCGS	08 26 10.1, 51.9N, 173.5W, H = 33 Km, M = 4.7					
		ANDREANOF IS, ALEUTIAN IS						
		PNS	EPKP	08 44 38.6				
		LPB	EL	09 21 00				113.0
JUL	23	LPB	EP	10 12 41				
JUL	23	PNS	EP	11 44 35.6				
			S	45 01.6				
JUL	23	LPB	EP	11 47 32				
			E(S)	48 45				
		PNS	EP	11 47 32		0.7	16.6	
			(S)	48 10				
JUL	23	PNS	EP	12 16 53.7				
JUL	23	LPB	EP	12 31 31				
			(S)	32 50				
		PNS	P	12 31 54.9		0.3	5.3	
			IS	32 37.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	23	USCGS	12 21 56.5, 51.7N, 173.4W, H = 21 Km, M = 4.4					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	EPKP	12 40 20				112.2
		PNS	PKP	12 40 27.5				
JUL	23	LPB	EP	12 56 02				
JUL	23	PNS	EP	13 51 46.8				
JUL	23	LPB	EP	14 13 43				
		PNS	P	14 13 51		0.9	15.4	
JUL	23	USCGS	14 17 55, 51.9N, 173.4W, H = 33 Km, M = 4.2					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	EL	15 11 00				113.0
JUL	23	USCGS	14 31 51.2, 51.7N, 173.5W, H = 55 Km, M = 5.3					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	EPKP	14 44 12				122.2
			ESS	15 06 43				
			EL	15 25 00				
JUL	23	USCGS	15 26 16.1, 51.7N, 173.6W, H = 51 Km, M = 4.3					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	EL	16 19 00				112.2
JUL	23	PNS	EP	17 30 24.4				
			S	32 22				
		LPB	P	17 30 34.5		0.7	11.7	
			S	32 35				
JUL	23	USCGS	17 44 58.5, 36.5N, 70.8E, H = 210 Km, M = 4.6					
		HINDU KUSH REGION						
		LPB	EPKP	18 03 51				138.7
			EL	50 00				
JUL	23	LPB	EP	19 04 14				
		PNS	EP	19 04 14				
JUL	23	USCGS	19 34 57, 54.5N, 134.9W, H = 33 Km, M = 3.8					
		QUEEN CHARLOTTE IS REG						
		PNS	EP	19 47 07		0.8	9.7	
		LPB	EP	19 47 27				90.8
			EL	20 17 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	23	TRJ	IP	19 46 28.5	D			
			IS	47 03.8	D			
JUL	23	USCGS	20 12 00.1, 51.8N, 173.5W, H = 36 Km, M = 4.9					
			ANDREANOF IS, ALEUTIAN IS					
		LPB	EPKP	20 30 08				112.
			EL	21 05 00				
JUL	23	USCGS	22 55 58, 35.9N, 114.9W, H = 8 Km					
			CALIFORNIA-NEVADA BOR REG					
		PNS	EP	23 06 58				
		LPB	EL	23 28 00				68.
JUL	23	USCGS	22 48 15.3, 12.0S, 166.2E, H = 47 Km, M = 5.0					
			SANTA CRUZ IS					
		LPB	EL	23 45 00				119.
JUL	23	PNS	P	23 40 45.8		0.6	9.8	
			S	41 28.3				
		LPB	EP	23 41 10				
JUL	24	PNS	P	02 12 01.5		0.4	3.9	
			S	12 30.0				
		LPB	EP	02 12 25				
JUL	24	USCGS	02 48 50, 36.9N, 107.0W, H = 5 Km, M = 3.4					
			NEW MEXICO					
		LPB	EL	03 19 00				64.
JUL	24	PNS	EP	04 27 37				
			S	27 52				
		LPB	EP	04 27 49				
			S	28 07.5				
JUL	24	USCGS	04 41 57, 51.7N, 173.4W, H = 4 Km, M = 4.4					
			CHILE-ARGENTINA BOR REG					
		LPB	P	04 46 05.5		1.3	14.0	17.
			EL	52 00				
		PNS	EP	04 46 07.2		1.4	59.4	
JUL	24	PNS	P	05 12 20.0				
			S	12 43.4				
		LPB	EP	05 12 40				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	24	USCGS	05 22 55, 33.3S, 70.1W, H = 9 Km, M = 4.2					
			CHILE-ARGENTINA BOR REG					
		LPB	EP	05 26 53		0.8	4.2	16.1
			EL	32 00				
		PNS	EP	05 26 54				
JUL	24	USCGS	06 11 56, 12.3N, 88.2W, H = 61 Km, M = 4.2					
			OFF COAST OF CENTRAL AMERIca					
		PNS	P	06 18 24				
		LPB	EP	06 18 32				34.8
			EL	28 00				
JUL	24	LPB	EP	06 39 06		1.0	6.0	
		PNS	P	06 39 07		1.4	52.0	
			I	39 13.8				
JUL	24	USCGS	08 42 54.9, 33.6S, 70,0W, H = 9 Km, M = 4.5					
			CHILE-ARGENTINA BOR REG					
		TRJ	EP	08 46 00.7				
		LPB	EP	08 46 54		1.1	23.0	16.8
			L	53.0				
		PNS	EP	08 46 57.4		1.4	59.7	
JUL	24	USCGS	08 52 13, 16.3S, 172.8W, H = 49 Km, M = 4.8					
			SAMOA IS REG					
		LPB	EP	09 05 44				98.4
			ESKS	16 33				
			EL	39 00				
JUL	24	USCGS	08 52 39, 19.4N, 108.4W, H = 33 Km, M = 4.8					
			REVILLA GIGEDO IS REG					
		PNS	P	09 01 54.6		1.0	32.8	
		LPB	P	09 01 58		1.0	32.0	53.1
			EL	18 00				
JUL	24	TRJ	P	09 26 41.5	D			
JUL	24	PNS	P	14 45 44.0	C	0.4	5.8	
			S	46 13.6				
		LPB	P	14 45 46.8		0.9	127.5	
			(S)	46 17.5				
JUL	24	PNS	P	16 02 06				
			S	02 30.0				
		LPB	P	16 02 10.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DI
JUL	24	TRJ	IP	17 04 49.1				
			IS	05 25.3	D			
JUL	24	USCGS	17 18 17.6, 20.4S, 175.8W, H = 112 Km, M = 5.					
		TONGA IS						
		LPB	EP	17 31 47.5				
			EPP	35 53.5				
			EL	18 05 00				
		PNS	EP	17 31 53.3				
			EPP	35 34.4				
JUL	24	TRJ	EP	17 36 46.6				
			IS	37 18.3				
JUL	24	USCGS	18 50 55, 12.2N, 88.6W, H = 33 Km, M = 4.2					
		OFF COAST OF CENTRAL AMERICA						
		LPB	P	18 57 25.5				
JUL	24	PNS	IP	20 58 24.0	D	0.7	56.8	
			S	58 46.4				
		LPB	IP	20 58 24.5	D	0.8	17.5	
			S	58 48.5				
JUL	24	USCGS	21 45 48, 80.7N, 7.6E, H = 49 Km, M = 4.4					
		SVALBARD REG						
		PNS	EP	21 59 53				
JUL	25	PNS	EP	00 28 20.6				
			S	28 43.4				
JUL	25	PNS	P	00 53 40.8		0.4	1.4	
			S	54 10.4				
JUL	25	PNS	EP	01 11 07.2				
		LPB	EP	01 11 12		0.9	6.8	
JUL	25	USCGS	01 06 56, 8S, 78.4W, H = 51 Km, M = 3.9					
		ECUADOR						
		PNS	EP	01 10 02				
		LPB	EP	01 11 11.8		0.8	5.6	1
JUL	25	PNS	EP	02 32 56.6				
			S	33 22.6				
JUL	25	PNS	EP	04 06 10.4				
			S	06 34.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	25	TRJ	EP	04 59 12.3				
			IS	59 43.9	D			
JUL	25	LPB	E(P)	05 04 41				
		PNS	EP	05 04 42.3				
JUL	25	PNS	E(P)	06 23 27.5				
		LPB	EP	06 23 31				
JUL	25	PNS	IP	06 55 39.2	C	0.5	14.2	
			S	56 08				
		LPB	IP	06 55 40.5	C	0.9	12.3	
			IS	56 09				
JUL	25	USCGS	08 42 18.9, 31.9S, 69.7W, H = 116 Km, M = 4.7					
		SAN JUAN PROVINCE, ARGENTINA						
		TRJ	EP	08 44 59.4				
		LPB	P	08 45 52		1.0	14.0	14.9
			I	46 18				
			ES	48 53				
			EL	50 00				
		PNS	P	08 45 54.2		1.7	66.6	
			I	46 14.2				
			S	48 48				
			L	50.8				
JUL	25	PNS	EP	09 14 07.1				
		LPB	EP	09 14 08				
JUL	25	USCGS	09 18 36.7, 52.1N, 170.0W, H = 31 Km, M = 4.3					
		FOX IS, ALEUTIAN IS						
		LPB	EPKP	09 37 03				11.1
		PNS	EPKP	09 37 03.2				
JUL	25	USCGS	11 42 01, 12.2N, 43.9W, H = 33 Km, M = 4.5					
		N ATLANTIC RIDGE						
		LPB	EP	11 49 12				27.8
			EL	12 00 06				
		PNS	P	11 49 12.2		0.7	4.9	
			IS	55 06				
			L	12 00.1				
JUL	25	PNS	P	12 32 41.5		1.5	15.8	
			IS	40 27.0				
			I	44 13				
			L	48.8				
		LPB	EP	12 32 42				
			ES	40 23				
			L	48.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	25	USCGS	13 09 09, 37.7S, 177.8E, H = 33 Km, M = 4.2					
			OFF E COAST OF N IS, N.Z.					
		PNS	EP	13 22 40				
			ES	34 05				
			EL	55.8				97.6
		LPB	EL	13 55 00				
JUL	25	PNS	P	13 31 15.1		0.3	4.7	
			S	31 42.0				
JUL	25	TRJ	EP	17 41 55.7				
			IS	42 27.9	D			
JUL	25	USCGS	20 50 35.9, 6.0S, 150.7E, H = 56 Km, M = 4.6					
			NEW BRITAIN REGION					135.2
		LPB	EPKP	21 09 48				
			EL	55 00				
		PNS	EPKP	21 09 53.6				
			ESS	30 20				
			L	54.8				
JUL	26	TRJ	IP	00 18 39.8	C			
			IS	19 12.1	D			
JUL	26	LPB	P	02 03 22				
		PNS	P	02 03 23.1		0.9	4.3	
JUL	26	PNS	P	02 13 32.7		0.8	5.7	
			S	14 12.3				
		LPB	P	02 13 38		0.8	12.6	
			S	14 21.5				
JUL	26	USCGS	03, 48 28.8, 56.2N, 164.6E, H = 33 Km, M = 4.8					
			KOMANDORSKY IS REG					124.
		LPB	EPKP	04 07 27				
			EL	48 00				
		PNS	EPKP	04 07 33.2				
			EL	47.6				
JUL	26	LPB	EP	05 01 01				
		PNS	EP	05 01 02.9				
JUL	26	TRJ	IP	05 24 48.8	D			
			S	25 21.7	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	26	USCGS	05 18 40, 18.6N, 46.7W, H = 33 Km, M = 4.0					
			N ATLANTIC RIDGE					
		PNS	P	05 26 20.4		1.0	9.9	
			EL	59.8				
		LPB	P	05 26 20.5		1.1	13.8	40.9
JUL	26	USCGS	05 44 31, 18.0S, 178.5W, H = 596 Km, M = 4.3					
			FIJI IS REG					
		LPB	EP	05 57 27				103.0
			EL	06 33 00				
		PNS	E	05 59 17.3				
			ESKS	06 08 11				
			EL	32.8				
JUL	26	LPB	EP	05 59 17				
JUL	26	TRJ	P	06 31 46.7	D			
			S	32 17.8				
JUL	26	USCGS	06 26 39, 3.8S, 103.3W, H = 33 Km, M = 4.5					
			N EASTER I CORDILLERA					
		PNS	EP	06 33 44				
			IS	39 38				
			SS	41 44				
			L	4.4				
		LPB	EP	06 33 45				36.5
			S	39 45				
			EL	44 00				
JUL	26	LPB	P	07 04 49		1.0	10.0	
		PNS	P	07 04 51.9		0.9	7.5	
JUL	26	LPB	EP	09 26 51				
		PNS	P	09 26 52.9				
			(S)	27 34				
JUL	26	USCGS	09 24 55, 15.0S, 167.3E, H = 120 Km					
			NEW HEBRIDES IS					
		LPB	EPKP	09 43 26				117.0
			EL	10 20 00				
		PNS	EPKP	09 43 45				
			EL	10 20.6				
JUL	26	TRJ	IP	09 50 31.4	C			
			IS	51 20.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	26	LPB	EP	10 51 08				
		PNS	EP	10 51 10				
			(S)	52 09.6				
JUL	26	USCGS	11 40 47.4, 9S, 133.0E, H = 43 Km, M = 4.8					
		W NEW GUINEA REGION						
		PNS	EPKP	12 00 35.6		1.0	9.9	
			IPPKP	00 44.2				
			EG	41.6				
			EL	50.9				
		LPB	EPKP	12 00 36				147.3
			PPKP	00 44.2				
JUL	26	USCGS	12 50 19.3, 52.0N, 173.5W, H = 36 Km, M = 4.8					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	EPKP	13 08 17				112.1
JUL	26	USCGS	16 17 05, 6.1N, 77.5W, H = 33 Km, M = 4.1					
		NEAR W COAST OF COLOMBIA						
		LPB	EP	16 22 16		1.0	10.0	24.1
			E	22 22				
			EL	29 00				
		PNS	EP	16 22 17.4				
JUL	26	PNS	P	16 50 13.5		0.5	2.8	
JUL	26	PNS	EP	18 53 35.4				
JUL	26	USCGS	20 10 24, 18.4S, 178.2W, H = 601 Km					
		FIJI IS REG						
		LPB	EP	20 23 12.5				102.6
			EL	58 00				
		PNS	EP	20 23 13.6				
			L	58.1				
JUL	26	PNS	P	21 10 52.7		0.6	4.1	
			(S)	13 14.6				
		LPB	P	21 10 58.5		0.8	19.6	
			(S)	13 16.5				
JUL	26	USCGS	21 53 33, 11.3S, 75.1W, H = 101 Km, M = 4.5					
		PERU						
		PNS	EP	21 55 30				
			I	56 17.2				
		LPB	P	21 55 35		0.9	10.2	8.4
			I	56 25.5				
			ES	57 22				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	26	USCGS	22 39 47.8, 27.5S, 177.9W, H = 143 Km, M = 5.2					
		KERMADEC IS						
		PNS	EP	22 53 08.2				
			I	56 47				
			ESS	23 11 33				
			EL	26.2				
		LPB	EL	23 25 00				98.5
JUL	27	TRJ	IP	00 50 23.6	C			
		LPB	P	00 50 59.8		1.1	13.8	
		PNS	EP	00 51 01.0		1.0	6.2	
JUL	27	PNS	P	01 21 23.2				
			S	21 45.8				
JUL	27	PNS	EP	03 01 18.7				
			ES	04 24				
			L	05.2				
		LPB	EP	03 01 20				
			ES	04 23				
			EL	05 00				
JUL	27	USCGS	04 48 59.4, 24.2S, 70.3W, H = 35 Km, M = 6.0					
		NEAR COAST OF N CHILE						
		TRJ	IP	04 50 33.3	C			
		LPB	P	04 50 55.4	C	1.4	102.0	8.1
			PP	51 08				
			S	52 23				
			L	53.6				
		PNS	P	04 50 58.0	C	0.8	85.6	
			PP	51 09.0				
			ES	52.24.6				
			ESS	52 44				
			L	52.9				
JUL	27	TRJ	P	05 12 17.2				
		LPB	P	05 12 40.5				
			S	14 24.5				
		PNS	P	05 12 41.9		0.7	6.5	
			IS	14 34.0				
JUL	27	USCGS	05 10 36, 2.8N, 126.0E, H = 33 Km					
		MOLUCCA PASSAGE						
		LPB	EL	05 25 00				160.0
		PNS	EL	05 25.9				
JUL	27	LPB	EP	05 45 07.5				
		PNS	EP	05 45 27				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	27	PNS	P	06 09 58.7				
		LPB	P	06 10 00				
JUL	27	USCGS	07 15 42, 27.4N, 139.6E, H = 460 Km, M = 4.4					
		BONIN IS REGION						
		PNS	EPKP	07 34 40.2		1.2	12.2	
			I	34 47.0				
			E	36 42				
			EL	08 27.9				
		LPB	EPKP	07 34 41		0.8	23.8	152.
			I	34 47.2				
			E	36 40.5				
			EL	08 26.7				
JUL	27	USCGS	08 09 26, 4.0S, 103.7W, H = 33 Km, M = 4.4					
		N EASTER I CORDILLERA						
		PNS	EP	08 16 34				
			L	27.6				
		LPB	EP	08 16 37.5		1.0	4.0	36.
			EL	27 00				
JUL	27	PNS	EP	09 36 27				
		LPB	EP	09 36 30				
JUL	27	PNS	IP	10 39 48.0	C			
			S	40 30.0				
		LPB	P	10 39 53				
			S	40 42				
JUL	27	PNS	IP	14 26 07.0	D	0.5	4.0	
			S	26 30.4				
JUL	27	USCGS	14 49 02, 32.6N, 48.8E, H = 36 Km, M = 5.5					
		W IRAN						
		PNS	PKP	15 07 56.1				
			EL	46.5				
		LPB	EL	15 47 00				121.
JUL	27	USCGS	10 06 34, 32.8N, 48.7E, H = 36 Km, M = 4.9					
		W IRAN						
		PNS	E(PKP)	18 25 27				
			PPP	29 38				
			I	30 44				
			EL	19 04.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	27	USCGS	19 40 09.6, 32.6N, 49.0E, H = 54 Km, M = 5.2					
		W IRAN						
		PNS	EPKP	19 59 04.6				
			EL	20 37.8				
		LPB	EL	20 38 00				121.5
JUL	27	LPB	EP	20 38 52		0.8	15.4	
		PNS	IP	20 38 54.8	D	0.2	62.6	
			S	39 17				
JUL	27	USCGS	23 10 55, 18.1S, 71.7W, H = 56 Km, M = 4.2					
		OFF COAST OF N CHILE						
		PNS	P	23 11 51.0		0.8	13.8	
			IPP	12 00.5				
			S	12 35				
			L	13.1				
		LPB	IP	23 11 54		0.9	11.7	3.7
			IS	12 52				
			L	13.3				
JUL	28	USCGS	01 05 39, 17.3S, 167.6E, H = 19 Km					
		NEW HEBRIDES IS						
		LPB	EPKP	01 24 10				115.2
			EL	59 00				
		PNS	EL	01 59.8				
JUL	28	USCGS	01 18 27.4, 17.2S, 167.7E, H = 17 Km, M = 5.3					
		NEW HEBRIDES IS						
		LPB	EPKP	01 37 16				115.4
			ESS	54 04				
			EL	02 13 00				
		PNS	E	01 37 37.3				
			EPP	40 42				
			ESS	54 00				
			L	02 12.2				
JUL	28	PNS	P	02 46 24.6		0.3	2.3	
			S	46 30.7				
JUL	28	LPB	EP	04 29 39				
			S	30 09.5				
		PNS	P	04 29 41.9		0.5	5.0	
			S	30 09.2				
JUL	28	PNS	P	04 51 50.0		1.2	19.4	
			L	05 05 00				
		LPB	EP	04 51 51				
			EL	05 01 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	28	USCGS N CHILE	05 41 55, 20.0S, 69.1W, H = 124 Km, M = 4.5					
		LPB	IP	05 42 50.5	C	0.8	220.0	3.7
			S	43 32				
		PNS	IP	05 42 53.7	C	0.9	643.0	
			S	43 32.1				
			EL	43 40				
JUL	28	PNS	P	06 35 00.4				
			S	35 29.5				
		LPB	EP	06 35 02		0.8	5.6	
			(S)	35 31.5				
JUL	28	USCGS FIJI IS REG	07 13 18, 21.0S, 179.1W, H = 604 Km, M = 4.7					
		PNS	EL	07 59.9				
JUL	28	PNS	EP	07 49 07				
			E	49 23.6				
		LPB	EP	07 49 13				
JUL	28	USCGS NEAR N COAST OF NEW GUINEA	08 15 14, 2.3S, 141.2E, H = 19 Km, M = 5.4					
		PNS	IPKP	08 34 54.9	D	1.2	277.7	
			SS	56 55				
			EL	09 24 00				
		LPB	IPKP	08 34 55	D	1.5	160.0	145.7
			PPKP	35 05.5				
			EL	24 00				
JUL	28	USCGS NEW HEBRIDES IS	09 42 36.8, 14.9S, 167.3E, H = 141 Km, M = 5.0					
		LPB	EPKP	10 01 04				121.3
		PNS	EPKP	10 01 22.2				
			EL	37.9				
JUL	28	USCGS NEAR COAST OF N CHILE	10 50 08, 24.3S, 70.2W, H = 48 Km, M = 4.3					
		LPB	P	10 52 03				8.2
			I	52 28				
			ES	53 48				
			EL	54 00				
		PNS	P	10 52 08.2		0.4	4.8	
			I	52 18.7				
			ES	53 32				
			EL	53.7				
			I	54.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	28	USCGS MOLUCCA SEA	10 47 48.8, 0.3S, 124.2E, H = 95 Km, M = 5.4					
		LPB	EPKP	11 07 34				156.9
			EL	52 00				
		PNS	EPKP	11 07 37				
			EL	51.8				
JUL	28	USCGS KERMADEC IS REG	12 07 52.5, 29.0S, 177.5W, H = 59 Km, M = 5.4					
		LPB	EP	12 21 10				97.6
			ESKS	32 00				
			EL	53.8				
		PNS	L	12 55.6				
JUL	28	USCGS NEW HEBRIDES IS	12 32 29, 14.9S, 167.3E, H = 112 Km, M = 4.1					
		LPB	EL	13 27 00				117.0
JUL	28	USCGS FIJI IS REG	14 25 13, 21.8S, 179.5W, H = 561 Km					
		LPB	EL	15 13 00				102.4
JUL	28	PNS	EP	16 29 16.4				
			S	31 44.0				
		LPB	EP	16 29 33				
			(S)	31 56				
JUL	28	USCGS NEW HEBRIDES IS	19 59 37.5, 19.6S, 168.7E, H = 52 Km, M = 4.6					
		LPB	EL	20 52 00				113.4
		PNS	EL	20 52.7				
JUL	28	USCGS S OF FIJI IS	23 21 48, 25.6S, 177.6W, H = 184 Km, M = 4.8					
		LPB	EP	23 35 07				99.4
			EL	00 09 00				
JUL	28	PNS	EP	23 38 51.2				
		LPB	EP	23 39 26				
JUL	29	LPB	EP	03 08 09				
			S	08 52.5				
		PNS	EP	03 08 10				
			S	08 53.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DI
JUL	29	USCGS	04 36 24.8, 36.6N, 74.1W, H = 1 Km, M = 4.7					
			OFF E COAST OF UNITED STATES					
		PNS	P	04 45 43.4		1.0	27.1	
			EL	05 01.7				
		LPB	P	04 45 45.3		0.9	11.9	52
			EL	05 02 00				
JUL	29	USCGS	06 25 35.2, 29.0N, 129.4E, H = 21 Km, M = 4.9					
			RYUKYU IS					
		LPB	PKP	06 45 36.5		1.0	12.0	159
		PNS	PKP	06 45 36.5		1.3	25.5	
			EL	07 40.7				
JUL	29	LPB	P	07 01 09		1.0	14.0	
			E(S)	02 20				
		PNS	EP	07 01 10.5				
			I	01 23.0				
			S	02 22.1				
JUL	29	PNS	IP	07 10 38.8	D	0.3	22.7	
			S	11 05.6				
JUL	29	USCGS	07 08 14.6, 44.0N, 145.3E, H = 96 Km, M = 5.7					
			HOKKAIDO, JAPAN REGION					14
		LPB	EPKP	07 27 32				
		PNS	PKP	07 27 34.9				
			ESS	49 14				
			EL	08 15 00				
JUL	29	USCGS	08 26 04, 12.7S, 71.1W, H = 35 Km, M = 4.4					
			PERU					
		PNS	P	08 27 10.7	C			
			IPG	27 18.4				
			S	28 18				
			L	28.7				
		LPB	P	08 27 16	C	0.9	32.4	
			IPG	27 24				
			S	28 34				
			L	29.0				
JUL	29	LPB	P	09 05 55		1.0	6.0	
JUL	29	LPB	EP	09 32 45.5		1.0	54.0	
			S	33 45				
		PNS	EP	09 32 46.4				
			I	32 48.1				
			S	33 52.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	29	LPB	EP	09 56 27.5				
		PNS	P	09 56 30.8				
			S	57 58.5				
JUL	29	USCGS	11 46 15.6, 10.5S, 162.8E, H = 75 Km, M = 5.4					
			SOLOMON IS					
		PNS	EPKP	12 05 05.7				
			ESS	23 25				
			EL	44.1				
		LPB	EL	12 44 00				122.5
JUL	29	TRJ	P	13 14 41.1	D			
			S	15 12.1				
JUL	29	TRJ	IP	16 07 53.8	D			
JUL	29	PNS	EP	19 16 11.2				
		LPB	EP	19 16 13		1.0	14.0	
JUL	29	USCGS	19 48 10, 46.5N, 152.6E, H = 33 Km, M = 4.6					
			KURILE IS					
		PNS	EPKP	20 07 30.8				
JUL	29	PNS	EP	22 10 58				
		LPB	EP	22 11 03				
JUL	29	USCGS	22 07 59.6, 36.6N, 141.3E, H = 42 Km, M = 4.7					
			NEAR E CST OF HONSHU, JAPAN					
		PNS	EPKP	22 27 38.4				
		LPB	EPKP	22 27 52		1.0	14.0	
JUL	29	PNS	EP	23 49 14.3				
			S	50 06.6				
		LPB	EP	23 49 15				
			I	49 48				
			S	50 43				
JUL	30	USCGS	03 25 31.8, 39.5N, 110.4W, H = 0 Km, M = 4.3					
			UTAH					
		LPB	EL	03 58 00				68.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	30	TRJ	P	04 07 36.3	D			
		LPB	EP	04 08 12				
		PNS	P	04 08 12.6				
			S	09 41.6				
JUL	30	LPB	EP	05 18 25				
		PNS	EP	05 18 38.7				
JUL	30	USCGS	05 19 25, 43.0N, 17.8E, H = 31 Km, M = 4.3					
		YUGOSLAVIA						97.8
		LPB	EP	05 33 02				
JUL	30	TRJ	IP	05 39 01.0	C	0.9	8.5	
		LPB	EP	05 39 54				
			(S)	40 37.5		0.4	2.0	
		PNS	P	05 39 57.3				
			S	41 23				
JUL	30	PNS	EP	06 47 15				
JUL	30	TRJ	IP	07 34 01.9	D			
JUL	30	LPB	P	07 43 18				
			E(S)	43 46		0.6	2.4	
		PNS	P	07 43 18.0				
JUL	30	PNS	EP	09 33 10.0				
			S	33 32				
JUL	30	PNS	EP	12 29 51				
JUL	30	PNS	EP	13 06 14				
JUL	30	PNS	IP	14 05 59.8	D	0.6	50.8	
			S	06 23.7				
		LPB	IP	14 06 01.5		0.4	89.6	
			(S)	06 29.5				
JUL	30	PNS	EP	16 32 41.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	30	USCGS	17 23 35.7, 6.3N, 73.8W, H = 65 Km, M = 4.3					
		N COLOMBIA						
		PNS	P	17 28 37.0		0.5	2.0	
			PP	29 08.8				
			ES	32 37				
			EL	35 00				
		LPB	P	17 28 39		1.2	67.0	23.0
			PP	29 07.5				
			EL	35 00				
JUL	30	USCGS	17 39 18.8, 9.1N, 126.6E, H = 36 Km, M = 5.4					
		MINDANAO, P. I.						
		PNS	PKP	17 59 22.0		1.0	4.3	
			L	18 57.2				
		LPB	PKP	17 59 22.5		1.3	14.0	163.8
JUL	30	USCGS	18 02 38, 47.1N, 122.1W, H = 29 Km, M = 3.4					
		WASHINGTON						
		PNS	EP	18 14 37.9				
			EL	40.7				
UL	30	PNS	P	18 38 27.0		0.9	2.8	
UL	30	USCGS	19 34 16, 10.5S, 163.1E, H = 33 Km, M = 4.9					
		SOLOMON IS						
		LPB	EP	19 53 15				122.4
			EL	20 31 00				
		PNS	EL	20 34.3				
JL	30	USCGS	20 32 00.7, 84.5N, 104.2E, H = 29 Km, M = 4.8					
		N OF SEVERNAYA ZEMLYA						
		LPB	EL	21 20 00				102.5
		PNS	EL	21 20.6				
L	30	PNS	P	21 07 09.9		0.7	2.8	
L	30	LPB	EP	21 27 56		1.0	18.0	
			ES	28 38				
		PNS	P	21 27 58.3		0.6	2.1	
			S	28 43.3				
	30	PNS	EP	22 08 35.0				
		LPB	EP	22 08 45				
			EL	27 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIS
JUL	30	PNS	P	23 06 53.1				
			S	07 54.3				
		LPB	EP	23 07 06				
JUL	31	TRJ	P	01 01 54.5	C			
			IS	02 25.3	C			
JUL	31	LPB	EP	02 06 50				
JUL	31	PNS	P	02 34 45.5				
		LPB	EP	02 34 56				
			S	36 11.5				
		TRJ	IP	02 35 29.9	C			
			IS	36 09.6				
JUL	31	LPB	EP	03 09 58				
JUL	31	USCGS	03 28 14, 42.8N, 46.2E, H = 33 Km, M = 4.7					
		E CAUCASUS						
		LPB	EL	05 24 00				118.
		PNS	EL	05 24.5				
JUL	31	PNS	P	04 47 46.1		0.3	1.8	
			(S)	48 29.3				
		LPB	EP	04 47 51				
JUL	31	TRJ	P	05 12 07.3	D			
			IS	12 37.3	C			
JUL	31	LPB	EP	05 41 57				
JUL	31	LPB	EP	05 54 40				
			S	55 37				
		PNS	EP	05 54 46.2		0.6	1.8	
			S	55 39.3				
		TRJ	P	05 55 30.4	C			
			IS	56 12.5	C			
JUL	31	LPB	EP	06 25 27.5				
JUL	31	LPB	EP	07 43 37				
		PNS	EP	07 43 39				
JUL	31	LPB	IP	07 49 04.4	D	1.0	24.0	
			IS	49 49.5				
		PNS	EP	07 49 05.7		1.2	17.4	
			S	49 48.2				
			I	50 23.6				
		TRJ	IP	07 49 58.6	C			
			IS	50 46.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
JUL	31	LPB	EP	08 36 25				
JUL	31	TRJ	IP	09 02 08.3	C			
			IS	02 38.8				
JUL	31	PNS	P	09 11 48.8	D	1.0	3.7	
JUL	31	USCGS	11 47 05, 18.1S, 173.7W, H = 33 Km, M = 4.6					
		TONGA IS						
		LPB	EL	12 34 00				98.7
		PNS	L	12 34.1				
JUL	31	USCGS	12 42 48, 15.4S, 166.5E, H = 4 Km, M = 4.1					
		NEW HEBRIDES IS						
		LPB	EL	13 38 00				117.4
		PNS	EL	13 38.3				
JUL	31	LPB	EP	13 23 23				
		PNS	EP	13 23 24.6				
JUL	31	PNS	EP	15 26 11.2				
JUL	31	PNS	EP	15 27 43.4		0.5	1.7	
			S	28 06.4				
JUL	31	USCGS	15 17 18.8, 0.7N, 30.1E, H = 33 Km, M = 4.8					
		UGANDA						
		PNS	EP	15 31 01.3				
			EL	16 05 00				
		LPB	EL	16 05 00				99.9
JUL	31	PNS	IP	17 06 41.8	D	0.3	25.3	
			S	07 04.6				
		LPB	P	17 06 43.5		1.0	38.0	
			S	07 07				
JUL	31	PNS	EP	17 31 06.1		0.4	5.6	
			S	31 30.0				
JUL	31	PNS	EP	18 04 28.5				
JUL	31	LPB	EP	19 00 00				
		PNS	P	19 00 06.8		0.5	5.5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIS
JUL	31	USCGS	19 10 45, 12.3N, 88.1W, H = 56 Km, M = 4.3 OFF COAST OF CENTRAL AMERICA					
		LPB	EP	19 17 32				34
			EL	28 00				
		PNS	IP	19 17 35.9		1.2	55.0	
			EL	27.6				
JUL	31	USCGS	19 06 34, 7.5S, 128.5E, H = 162 Km, M = 4.8 BANDA SEA					
		LPB	EPKP	19 26 06				150
			EL	20 17 00				
		PNS	PKP	19 26 11.4		1.0	12.3	
			EL	20 17.4				
JUL	31	PNS	IP	19 57 57.7	D	0.3	4.1	
			S	58 21				
JUL	31	USCGS	19 45 34, 16.1S, 168.1E, H = 178 Km, M = 4.9 NEW HEBRIDES IS					
		LPB	EPKP	20 03 52				115
			EL	41 00				
		PNS	EPKP	20 03 53				
			EL	40 00				
JUL	31	PNS	IP	20 52 19.2	D	0.5	25.3	
			IS	52 49.0				
		LPB	EP	20 52 25				
			(S)	52 58				
JUL	31	PNS	P	20 58 51.1		0.5	3.3	
JUL	31	PNS	EP	21 23 05.9				
			(S)	24 32				
JUL	31	PNS	P	22 20 10.0		0.7	7.9	
			IS	21 37.0				
			L	22 00				
		LPB	P	22 20 15		1.1	7.7	
			(S)	21 44				
			L	22.8				
JUL	31	LPB	E(P)	22 29 22				
			(S)	31 21				
		PNS	P	22 30 48.4		0.3	3.5	
			S	31 27.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	1	LPB	EP	00 07 25				
AUG	1	LPB	P	01 40 33		1.0	40.0	
		PNS	IP	01 41 33.0	D	0.3	26.2	2.0
			S	41 57.6				
AUG	1	PNS	P	02 34 04.7		0.5	2.7	
AUG	1	LPB	EP	03 11 27				
AUG	1	USCGS	03 23 03.1, 10.2S, 161.1E, H = 70 Km, M = 5.7 SOLOMON IS					
		PNS	PKP	03 41 56.9		1.3	14.6	
			ESS	04 00 32				
			EL	22 00				
		LPB	EPKP	03 41 57		1.2	13.0	124.1
			ESS	04 00 34				
			EL	22 00				
AUG	1	PNS	EP	04 11 08.2				
		LPB	EP	04 11 16				
AUG	1	LPB	P	04 15 15		1.2	31.2	
			(S)	16 23.5				
		PNS	P	04 15 15.9		0.3	2.0	5.9
			S	16 24				
AUG	1	TRJ	P	05 10 52.9	C			
AUG	1	USCGS	07 42 01, 14.6N, 92.8W, H = 33 Km, M = 4.4 NEAR COAST OF CHIAPAS, MEXICO					
		PNS	EP	07 49 29				
			L	08 01.1				
		LPB	EP	07 49 30				40.1
			EL	08 01 00				
AUG	1	USCGS	09 48 02.6, 1.2S, 78.6N, H = 62 Km, M = 4.8 ECUADOR					
		PNS	EL	09 57.2				
AUG	1	USCGS	09 50 38.5, 17.7S, 70.7W, H = 109 Km, M = 4.8 NEAR COAST OF PERU					
		PNS	IP	09 51 20.2	C	0.7	380.0	2.8
			IS	51 53				
		LPB	IP	09 51 23.0	C			3.2
			S	51 54				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIS
AUG	1	TRJ	IP	10 52 15.2	C			
AUG	1	LPB	EP	11 39 30		0.6	3.5	
AUG	1	USCGS MARIANA IS REG	11 50 15.5, 21.7N, 142.9E, H = 313 Km, M = 4.8					
		PNS	P	12 09 27.5		0.9	6.4	
			I	09 32.5				
			EL	53 00				
		LPB	PKP	12 09 28		0.9	12.0	131
			I	09 33.5				
			EL	53 00				
AUG	1	PNS	P	13 09 06.5				
			S	10 06.8		1.0	22.0	
		LPB	EP	13 09 14				
			S	10 11.5				
AUG	1	LPB	E(P)	13 59 41				
			L	14 08 00				
		PNS	EP	13 59 41.5				
AUG	1	TRJ	EP	14 09 00.3				
		LPB	IP	14 09 56	C	0.9	144.5	
			S	10 53.5				
		PNS	IP	14 10 00.3	C	0.5	66.0	
			S	11 02				
AUG	1	TRJ	IP	15 09 21.3	D			
AUG	1	PNS	P	15 56 51.4		0.3	2.0	
			(S)	57 10				
AUG	1	USCGS ANDREANOF IS, ALEUTIAN IS	15 50 15, 51.1N, 179.3W, H = 14 Km, M = 4.9					
		LPB	EP	16 04 39				
			EL	04 42.8				
AUG	1	PNS	EP	16 34 07				
AUG	1	USCGS REPUBLIC OF THE CONGO	17 16 41, 8.0N, 30.0E, H = 36 Km, M = 5.5					
		PNS	EP	17 30 20				
			EL	18 04.2				
		LPB	EP	17 30 24				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	1	PNS	EP	17 35 26.5				
AUG	1	USCGS W PAKISTAN	19 09 55.1, 29.9N, 68.8E, H = 33 Km, M = 5.8					
		TRJ	EPKP	19 29 12.9				
		PNS	PKP	19 29 21.8		1.3	39.4	
			PPKP	29 30.0				
			EL	20 15.7				
		LPB	EPKP	19 29 22		1.2	41.5	138.2
			PPKP	29 30				
			EL	20 15.7				
AUG	1	PNS	EP	19 39 58				4.5
			S	40 49.8				
AUG	1	USCGS W PAKISTAN	20 30 57, 29.9N, 68.6E, H = 33 Km, M = 5.7					
		LPB	PKP	20 50 23.5		1.2	46.7	138.3
			PPKP	50 33				
			EL	21 36 00				
		PNS	PKP	20 50 23.9	D	1.2	24.0	
			EL	21 35.9				
AUG	1	USCGS KURILE IS REG	20 32 01.3, 44.6N, 150.4E, H = 24 Km, M = 5.2					
		PNS	PKP	20 51 26.7		1.0	13.8	
			EL	21 17.5				
		LPB	PKP	20 51 27		1.1	25.3	137.2
AUG	1	USCGS W PAKISTAN	21 02 59.6, 30.0N, 68.7E, H = 33 Km, M = 6.2					
		PNS	EPKP	21 22 24.8				
			IPPKP	22 36.8				
			SKS	29 14.4				
			L	22 08.8				
		TRJ	PKP	21 22 25.2	D			
		LPB	PKP	21 22 26.5		1.4	92.0	138.3
			PPKP	22 37				
			PP	25 28.5				
			SKS	29 15				
			EG	22 00 00				
			L	09 00				
UG	1	PNS	P	21 30 28.0		0.3	10.0	2.3
			S	30 54.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIS
AUG	1	PNS	IP	22 42 11.8	C	0.5	55.4	
			IS	42 33.9				
		LPB	IP	22 42 14		0.8	40.0	1.
			IS	42 36.5				
AUG	1	USCGS	22 30 54.8, 30.0N, 68.9E, H = 33 Km, M = 5.2					
		W PAKISTAN						
		LPB	EPKP	22 50 21				138.
			EL	23 36 00				
		PNS	PKP	22 50 21.8		1.3	14.6	
			EL	23 36 00				
AUG	1	TRJ	IP	23 26 05.3	C			
AUG	1	USCGS	23 35 08, 55.9S, 147.0E, H = 33 Km, M = 4.9					
		W OF MACQUARIE IS						
		LPB	EPKP	23 54 18				131.
		PNS	EL	00 37.8				
AUG	2	PNS	P	00 30 42.5	C	0.8	14.8	
			S	31 31.0				
		LPB	P	00 30 48		1.1	23.0	4.
			S	31 38.2				
AUG	2	USCGS	01 06 18, 19.8S, 69.0W, H = 206 Km, M = 4.1					
		N CHILE						
		LPB	P	01 07 13.0		0.5	2.8	3.
			S	07 53				
		PNS	P	01 07 16.5	C	0.5	22.1	
			S	07 57.3				
		TRJ	IP	01 07 24.8	D			
AUG	2	TRJ	P	04 07 28.8	C			
			S	08 00.2	C			
		PNS	P	04 07 59.3		0.4	2.3	
			ES	08 56				
AUG	2	LPB	EP	05 49 01		0.5	3.9	
		PNS	EP	05 49 02.8				
			I	49 06				
AUG	2	USCGS	05 41 37.4, 30.0N, 68.8E, H = 32 Km, M = 5.2					
		W PAKISTAN						
		LPB	EPKP	06 01 03		1.1	4.6	138.
			EL	47 00				
		PNS	EPKP	06 01 04.3				
			EL	47 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	2	TRJ	P	06 26 57.6	C			
		PNS	EP	06 27 48.8				
		LPB	EP	06 27 49				
AUG	2	PNS	P	06 29 14.5	C	0.5	3.9	2.3
			S	29 42.6				
AUG	2	PNS	P	08 46 10.3				2.4
			S	46 39.5				
AUG	2	LPB	EP	08 58 52				
		PNS	IP	08 58 52.5	D	0.3	14.1	
AUG	2	USCGS	09 18 57.6, 29.9N, 69.2E, H = 21 Km, M = 5.1					
		W PAKISTAN						
		LPB	EPKP	09 38 23		1.2	5.2	
			EL	10 24 00				
		PNS	EPKP	09 38 26.3				
			L	10 24.1				
AUG	2	PNS	IP	12 52 22.9	D	0.2	25.1	2.0
			IS	52 47.6				
		LPB	EP	12 52 26				
AUG	2	USCGS	14 27 47, 9.4S, 160.7E, H = 84 Km, M = 4.6					
		SOLOMON IS						
		LPB	EPKP	14 46 40				125.8
			EL	15 27 00				
AUG	2	PNS	(EP)	15 18 52				
AUG	2	PNS	E(P)	15 36 16.4				
AUG	2	USCGS	15 57 05, 36.4S, 99.8W, H = 33 Km, M = 4.7					
		S PACIFIC OCEAN						
		PNS	P	16 03 51.8		1.4	38.8	
			ES	09 35				
			L	14.1				
		LPB	P	16 03 53		1.2	18.2	34.0
			ES	09 38				
			EL	14 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	2	USCGS NEW HEBRIDES IS		18 25 22.6, 14.0S, 165.9E, H = 50 Km, M = 5.1				
		LPB	EPKP	18 44 10				119.3
			ESS	19 01 24				
			EL	20.3				
		PNS	EPKP	18 44 10.6				
AUG	2	USCGS HONSHU, JAPAN		18 48 33.8, 36.5N, 138.1E, H = 2 Km, M = 4.9				
		PNS	PKP	19 08 27.2	D	1.7	29.6	
		LPB	PKP	19 08 28		1.1	20.7	150.3
			EL	59 00				
AUG	2	LPB	EP	20 20 17				
		PNS	EP	20 20 21.4				
			E	20 41.0				
AUG	2	PNS	EP	22 05 49.2				
			S	06 33.4				
AUG	3	LPB	EP	00 44 33				
		PNS	P	00 44 34.8			3.6	
AUG	3	USCGS S OF AFRICA		03 12 40.6, 52.4S, 26.3E,				
		TRJ	P	03 24 19.9	C			79.8
		LPB	EP	03 24 30				
		PNS	P	03 24 51.4		1.0	9.6	
AUG	3	PNS	P	03 48 23.0		0.8	3.4	
		LPB	EP	03 48 27		1.0	12.0	
AUG	3	TRJ	EP	04 20 24.7				
			S	20 56.8				
AUG	3	LPB	EP	09 59 17				
		PNS	EP	09 59 23				
			I	59 26				
			S	10 00 05.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	3	PNS	IP	11 52 47.7	C	0.4	4.5	2.3
			IS	53 15.7				
		LPB	EP	11 52 50		0.9	18.7	
			IS	53 20				
AUG	3	PNS	IP	13 30 16.0	D	0.4	7.3	1.8
			IS	30 38.5				
		LPB	P	13 30 18.5		0.8	32.2	
			(S)	30 43.5				
AUG	3	PNS	EP	13 51 51				
AUG	3	LPB	EP	15 49 07				
		PNS	IP	15 49 07.0	D	0.5	9.2	
			(S)	49 19.8				
AUG	3	USCGS KOMANDORSKY IS REG		16 00 26 55.3N, 179.1E, H = 33 Km, M = 4.7				
		LPB	EL	16 57 00				116.9
AUG	3	PNS	P	16 33 18.2	D	0.5	9.2	
			(S)	33 53.8				
AUG	3	PNS	EP	16 48 22.8				
		LPB	EP	16 48 24				
AUG	3	USCGS KYUSHU, JAPAN		19 01 26, 31.3N, 131.7E, H = 33 Km, M = 4.4				
		LPB	EPKP	19 21 56				157.1
			EL	20 16 00				
AUG	3	USCGS AFGHANISTAN-USSR BOR REG		22 13 20.1, 37.2N, 71.2E, H = 33 Km, M = 5.0				
		LPB	EPKP	22 32 49				138.6
AUG	3	LPB	EP	23 29 23				
AUG	4	PNS	E(P)	02 24 51.2				
		LPB	EP	02 24 55				
AUG	4	LPB	EP	02 43 41				
		PNS	EP	02 43 43				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	4	LPB	P	02 50 23.5		1.0	16.0	2.
			S	50 54				
		PNS	P	02 50 30.5				
			S	51 06.6				
AUG	4	USCGS	03 26 00, 1.7S, 106.1W, H = 33 Km, M = 4.7					
		N EASTER I CORDILLERA						
		PNS	P	03 33 31.6	C	1.6	47.2	
		LPB	EP	03 33 36		1.2	18.2	40.
			EL	46 00				
AUG	4	PNS	EP	03 41 24				
		LPB	EP	03 41 27				
AUG	4	LPB	EP	03 44 49		1.0	10.0	
AUG	4	LPB	EP	04 05 31				
		PNS	EP	04 05 33.2				
AUG	4	LPB	EP	04 40 13				
		PNS	EP	04 40 13		1.0	16.6	
AUG	4	LPB	EP	05 02 48				
		PNS	P	05 02 53.1		0.6	16.6	
AUG	4	USCGS	05 42 21.3, 7.3S, 120.3E, H = 531 Km, M = 5.5					
		FLORES SEA						
		LPB	PKP	06 01 11		1.0	22.0	155.
			IPKP2	01 43.5				
			EL	55 00				
		PNS	IPKP	06 01 17.0	C	1.0	41.6	
			PKP2	01 45				
			EL	55.2				
AUG	4	LPB	EP	06 13 14				
		PNS	IP	06 13 18.2	D	0.5	6.9	
AUG	4	TRJ	IP	06 22 46.2				
AUG	4	PNS	EP	07 25 14.7				
		LPB	EP	07 25 15.7				
AUG	4	TRJ	P	10 21 29.7	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	4	PNS	EP	13 39 33				
		LPB	EP	13 39 38				
AUG	4	PNS	IP	15 34 18.4	C	0.6	8.7	
		LPB	EP	15 34 22		0.7	11.7	
AUG	4	USCGS	15 25 40, 17.8S, 174.8N, H = 239 Km, M = 5.1					
		TONGA IS						
		PNS	EP	15 38 59.5				
		LPB	EP	15 39 23				
			EL	16 14 00				99.7
AUG	4	PNS	EP	17 00 38				4.8
			S	01 32.7				
		LPB	EP	17 00 40				
			(S)	01 32.5				
AUG	4	PNS	IP	19 02 05.3				2.1
			S	02 30.0				
AUG	4	USCGS	20 37 29, 51.0N, 178.6E, H = 33 Km, M = 4.3					
		RAT IS, ALEUTIAN IS						
		PNS	EPKP	20 56 13				
		LPB	EPKP	20 56 16				117.2
			EL	21 33 00				
AUG	4	USCGS	22 29 28, 29.8N, 68.6E, H = 54 Km, M = 4.9					
		W PAKISTAN						
		PNS	EPKP	22 48 52.8				
		LPB	EPKP	22 48 54				138.3
			EL	23 35 00				
AUG	4	USCGS	23 39 09, 7.6N, 82.9W, H = 33 Km, M = 4.2					
		S OF PANAMA						
		LPB	EP	23 44 58.5				27.9
			EL	52 00				
AUG	5	USCGS	00 50 08.4, 21.6S, 68.5W, H = 134 Km, M = 4.4					
		CHILE-BOLIVIA BOR REG						
		TRJ	IP	00 51 04.8	D			
		LPB	IP	00 51 24				5.2
			S	52 15				
		PNS	IP	00 51 26.5	C	0.5	5.5	
			S	52 19				
			EL	52.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	5	USCGS	01 03 04.4, 32.6N, 79.6E, H = 55 Km, M = 5.3					
			KASHMIR-TIBET BOR REG					
		PNS	PKP	01 22 45.3		1.2	31.5	
			EL	02 13.1				147
		LPB	EPKP	01 22 46				
			EL	02 13 00				
		TRJ	PKP	01 22 47.0	C			
AUG	5	LPB	EP	02 03 13.5				
		PNS	EP	02 03 15.3				
AUG	5	PNS	P	04 15 17.4				2
			IS	15 41.2				
AUG	5	USCGS	03 57 58.1, 49.9N, 78.0E, M = 5.7					
			E KAZAKH SSR					
		LPB	EPKP	04 17 25				139
			EL	05 03 00				
		PNS	PKP	04 17 25				
			L	05 03.6				
AUG	5	USCGS	04 26 03, 44.5N, 141.0E, H = 244 Km, M = 4.3					
			KOKKAIDO, JAPAN REG					
		LPB	EPKP	04 45 07				142
			ESS	05 06 33				
			EL	33 00				
		PNS	PKP	04 45 07.5				
			SS	05 06 34				
			L	33 00				
		TRJ	PKP	04 45 30.6	D			
AUG	5	USCGS	04 33 07.4, 10.9S, 162.3E, H = 93 Km, M = 5.7					
			SOLOMON IS					
		PNS	PKP	04 51 56.4		1.0	18.0	
			I	53 32.7				
			ESS	05 10 22				
			L	31.4				123
		LPB	EPKP	04 51 58				
			ESS	05 10 12				
			EL	31 00				
AUG	5	USCGS	08 10 58.4, 11.1N, 139.6E, H = 7 Km, M = 4.9					
			N CAROLINE IS					
		PNS	EPKP	08 30 49				
			EL	09 24 00				152
		LPB	EPKP	08 30 50				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	5	PNS	EP	09 31 21.7				2.4
			S	31 51				
		LPB	EP	09 31 24				
AUG	5	TRJ	P	09 35 20.0	D			2.5
			S	35 50.8				
AUG	5	PNS	EP	10 40 53.7		0.8		
AUG	5	USCGS	11 21 20.3, 29.0S, 69.2W, H = 100 Km, M = 4.5					
			CHILE-ARGENTINA BOR REG					
		LPB	EP	11 24 18				12.4
		PNS	EP	11 24 18.0				11.8
			IPP	24 23.7				
			S	26 30				
		TRJ	IP	11 23 32.8	D			
AUG	5	USCGS	13 20 58, 17.1N, 98.1W, H = 47 Km, M = 4.0					
			GUERRERO, MEXICO					
		PNS	EP	13 29 09				
			ES	35 44				
			EL	42.2				
		LPB	EP	13 29 10				44.9
AUG	5	TRJ	P	14 33 46.2	C			3.2
			S	34 24.3	C			
AUG	5	TRJ	IP	15 53 06.2	C			
		PNS	IP	15 53 13.1	C	0.7	39.5	5.0
			S	54 10.1				
		LPB	EP	15 53 13.5				4.2
			S	54 02				
AUG	5	USCGS	15 38 72.1, 5.4S, 153.6E, H = 80 Km, M = 5.6					
			NEW IRELAND REG					
		PNS	EL	16 41.3				
AUG	5	TRJ	IP	16 09 14.0	D			
		LPB	EP	16 09 42				
		PNS	P	16 09 43.7	C	0.8	13.8	
			ES	10 39.6				
AUG	5	PNS	EP	16 23 28.3				2.4
			S	23 57.7				
AUG	5	PNS	P	16 28 46.0		0.3	4.0	2.1
			S	29 11.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	5	PNS	EP	16 38 10.2		0.5	3.9	2.9
			S	38 45				
AUG	5	USCGS YUGOSLAVIA	17 47 43, 42.4N, 19.2E, H = 33 Km, M = 5.2					
		LPB	EP	18 00 22				99.0
			EL	34 00				
		PNS	EL	18 34 00				
AUG	5	PNS	EP	18 36 03				
AUG	5	PNS	EP	18 43 55.6				2.3
			S	44 22.2				
AUG	5	PNS	P	19 20 26.4		0.3	5.5	1.8
			S	20 48.4				
AUG	5	USCGS SOLOMON IS	19 56 43, 11.1S, 162.6E, H = 66 Km, M = 4.9					
		LPB	EPKP	20 14 46				122.8
			EL	20 54 00				
		PNS	EPKP	20 14 46.5				
			IPPP	19 43				
			EL	54 00				
AUG	5	USCGS BONIN IS REG	20 00 04.9, 28.6N, 139.6E, H = 437 Km, M = 4.9					
		PNS	PKP	20 19 12.2		0.5	3.9	
			EL	20.9				
		LPB	EPKP	20 19 13				151.8
			EL	21 00				
AUG	5	USCGS S OF PANAMA	20 09 07.8, 6.1N, 82.6W, H = 33 Km, M = 4.9					
		PNS	EL	20 21.8				
AUG	6	PNS	P	00 31 00		0.3	5.0	1.8
			S	31 22				
AUG	6	LPB	EP	02 31 50				
AUG	6	USCGS YUGOSLAVIA	02 31 08, 42.2N, 18.8E, H = 33 Km, M = 5.3					
		LPB	EP	02 44 36				99.8
			EL	03 18 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	6	LPB	IP	03 14 25		1.0	35.0	2.7
			S	14 57.5				
		PNS	EP	03 14 32				
			S	15 18				
AUG	6	PNS	P	03 59 56.5				0.1
			S	04 00 10				
AUG	6	TRJ	P	04 58 53.6	D			2.5
			S	59 23.7	C			
AUG	6	PNS	EP	05 28 33.7				
		LPB	EP	05 28 42		1.0	8.0	
AUG	6	PNS	P	05 44 42.8				2.7
			S	45 15.5				
AUG	6	USCGS YUGOSLAVIA	05 51 57, 42.2N, 18.8E, H = 11 Km, M = 5.4					
		PNS	P	06 05 34.2				
			S	16 55				
			EL	39 00				
AUG	6	PNS	EP	06 16 20				
		LPB	EP	06 16 21				
AUG	6	USCGS RAT IS, ALEUTIAN IS	07 26 32, 51.2N, 178.8E, H = 30 Km, M = 4.2					
		PNS	EL	08 21.9				
		LPB	EL	08 22 00				117.6
AUG	6	PNS	EP	08 19 21.9				4.7
			S	20 16				
		LPB	EP	08 19 24				
AUG	6	USCGS KURILE IS	08 04 10, 45.3N, 150.1E, H = 54 Km, M = 4.8					
		PNS	EPKP	08 23 29.5				
		LPB	EPKP	08 23 30		1.0	8.0	137.0
AUG	6	USCGS S OF HONSHU, JAPAN	08 21 21.5, 31.3N, 140.1E, H = 120 Km, M = 4.8					
		LPB	EPKP	08 40 51		1.0		150.2
			EL	09 31 00				
		PNS	P	08 40 51.8				
			IPKP2	40 02.4				
			EL	09 31.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	6	PNS	P	08 57 19.8				
AUG	6	PNS	EP	09 59 00				
AUG	6	PNS	P	10 59 51.2				2.
			S	11 00 16				
		LPB	EP	10 59 53				
AUG	6	USCGS	11 24 14, 23.5S, 179.6W, H = 502 Km, M = 5.2					
		S OF FIJI IS						
		LPB	EP	11 37 35				102.
AUG	6	USCGS	14 38 41.4, 7.8S, 75.1W, H = 149 Km, M = 5.4					
		N PERU						
		PNS	P	14 41 10.7		0.9	18.8	
			E	41 13.3				
			S	43 16				
		LPB	IP	14 41 17	D	1.0	125.0	11.
			ES	43 23				
		TRJ	IP	14 42 30.1	C			
AUG	6	USCGS	15 46 27.7, 55.8S, 27.6W, H = 33 Km, M = 4.7					
		S SANDWICH IS						
		LPB	EP	15 55 21				50.
		PNS	P	15 55 22.5		0.8	6.5	
AUG	6	LPB	EP	16 00 31.5				
AUG	6	TRJ	P	16 19 39.8				2.
			S	20 10.5				
AUG	6	USCGS	17 58 51.1, 24.8N, 123.5E, H = 127 Km, M = 5.					
		S W RYUKYU IS						
		LPB	EPKP	18 18 35				166.
			EL	19 17 00				
AUG	6	USCGS	19 33 22.3, 44.9N, 150.2E, H = 36 Km, M = 5.0					
		KURILE IS REG						
		LPB	EL	20 39 00				137
AUG	6	USCGS	20 19 30.1, 44.8N, 150.2E, H = 41 Km, M = 4.7					
		KURILE IS REG						
		LPB	EL	21 24 00				137

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	6	USCGS	21 04 32.5, 51.9N, 175.3E, H = 30 Km, M = 5.3					
		RAT IS, ALEUTIAN IS						
		LPB	EL	22 01 00				119.4
AUG	7	TRJ	P	01 48 57.3	D			
		LPB	P	01 49 51.5		0.7	7.8	
AUG	7	LPB	EP	01 57 12				
AUG	7	USCGS	02 13 05.1, 50.6N, 171.3E, H = 39 Km, M = 6.5					
		ALEUTIAN IS REG						
		LPB	EPKP	02 31 19				111.3
			PP	32 15				
			PKS	34 34				
			SKS	38 17				
			PS	41 35				
			SS	47 10				
			L	03 05 00				
		TRJ	IPKP	02 31 50.7	C			
AUG	7	LPB	EP	02 42 38				
AUG	7	USCGS	03 07 16.2, 10.6S, 161.0E, H = 48 Km, M = 5.5					
		SOLOMON IS						
		LPB	EPKP	03 26 20				124.2
AUG	7	LPB	EP	03 48 57				
AUG	7	USCGS	04 11 32, 11.2N, 86.1W, H = 134 Km, M = 4.4					
		NR CST OF NICARAGUA						
		LPB	EP	04 17 57				33.1
			EL	27 00				
AUG	7	LPB	EP	04 15 53				
AUG	7	TRJ	P	04 45 53.6	D			5.1
			IS	46 53.1	D			
AUG	7	USCGS	05 14 33, 5.9N, 82.5W, H = 33 Km, M = 4.4					
		S OF PANAMA						
		LPB	EP	05 20 09				26.1
			EL	27 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	7	USCGS	05 33 40.2, 13.5N, 89.8N, H = 71 Km, M = 4.7					
		EL SALVADOR						
		LPB	EP	05 40 36				37.1
			ES	46 17				
			EL	50 00				
AUG	7	LPB	P	06 50 36				
AUG	7	LPB	P	07 03 21.8				
AUG	7	USCGS	08 20 58.2, 6.9N, 73.1W, H = 142 Km, M = 4.6					
		N COLOMBIA						
		LPB	EP	08 26 00				23.8
			ES	30 14				
			EL	33 00				
AUG	7	TRJ	P	08 34 40.4	D			
AUG	7	USCGS	10 28 29.6, 42.3N, 85.0E, H = 37 Km, M = 4.8					
		N SINKIANG PROVINCE, CHINA						
		LPB	EPKP	10 48 09				145.4
AUG	7	USCGS	13 42 07.8, 24.0S, 179.9W, H = 537 Km, M = 4.7					
		S OF FIJI IS						
		LPB	EP	13 55 07				102.1
			EL	14 30 00				
AUG	7	USCGS	14 11 51.2, 59.6N, 144.4W, H = 4 Km, M = 5.5					
		GULF OF ALASKA						
		LPB	EP	14 25 31				97.4
			EL	59 00				
AUG	7	TRJ	IP	15 28 22.9	D			
		LPB	EP	15 29 12				
AUG	7	TRJ	P	15 49 59.2	D			2.4
			S	50 30.2	D			
AUG	7	PNS	EP	16 37 44.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	7	USCGS	17 36 26.7, 31.8N, 114.5W, H = 33 Km, M = 6.3					
		GULF OF CALIFORNIA						
		LPB	EP	17 47 06				65.4
			EPP	49 11				
			S	45 54				
			EPS	59 42				
			G	18 03 00				
			L	07.8				
AUG	7	PNS	EP	19 55 10.2				
AUG	7	USCGS	20 22 26.2, 17.5S, 72.2W, H = 46 Km, M = 4.6					
		NEAR COAST OF PERU						
		LPB	IP	20 23 21.5	C	1.0	120.0	3.8
			(PG)	23 29				
			IS	23 34				
		PNS	IP	20 23 25.9	C	0.9	19.8	
			IS	23 35.6				
AUG	7	USCGS	20 18 41.5, 42.3N, 143.0E, H = 66 Km, M = 5.1					
		HOKKAIDO, JAPAN REG						
		PNS	PKP	20 38 10.7	C	0.7	3.9	
AUG	8	PNS	IP	00 44 17.9	D	0.7	39.5	
			(S)	44 47.5				
		LPB	P	00 44 19.8	D	0.8	37.0	
			(S)	44 47				
AUG	8	USCGS	00 37 22.4, 36.6N, 138.0E, H = 49 Km, M = 4.5					
		HONSHU, JAPAN						
		PNS	PKP	00 57 08.2				
		LPB	PKP	00 57 10.8		0.9	8.5	149.8
			EL	01 48 00				
AUG	8	USCGS	01 24 28, 28.7S, 62.5W, H = 609 Km, M = 3.9					
		SANTIAGO DEL ESTERO PROVINCE, ARGENTINA						
		LPB	P	01 27 22		0.6	9.6	13.4
			ES	29 37				
		PNS	P	01 27 22.4				13.4
			S	29 41.8				
AUG	8	PNS	EP	01 56 28.3				
			(S)	58 31.3				
		LPB	EP	01 57 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	8	USCGS		07 43 08, 10.5S, 164.3E, H = 16 Km, M = 5.3				
		SANTA CRUZ IS REG						
		LPB	EPKP	07 43 08				121.0
		PNS	EPKP	07 43 08.6				
AUG	8	USCGS		08 02 45.8, 19.3N, 108.1W, H = 33 Km, M = 5.4				
		REVILLA GIGEDO IS REG						
		PNS	P	08 12 00.2		1.7	50.8	
		LPB	P	08 12 02.2	D	1.4	152.0	52.8
			I	12 04				
			S	19 32				
			G	25.4				
			L	30.2				
		TRJ	P	08 12 44.8	D			
AUG	8	USCGS		09 57 29.7, 27.7S, 69.0W, H = 83 Km, M = 5.6				
		N CHILE						
		TRJ	IP	09 58 19.8	D			
		LPB	P	10 00 08.3	D	0.9	90.7	11.1
			LS	02 12				
		PNS	IP	10 00 10.2	D	0.7	110.0	
			S	02 14				
AUG	8	PNS	EP	11 13 05.7				5.
			S	14 07				
AUG	8	LPB	EP	11 20 19		0.7	22.0	
AUG	8	PNS	P	11 44 16.9		0.3	3.0	1.
			S	44 39.4				
AUG	8	LPB	P	12 12 03		0.8	25.0	
AUG	8	USCGS		12 40 57.1, 13.4N, 145.5E, H = 54 Km, M = 4.6				
		MARIANA IS						
		PNS	EPKP	13 00 37.5				
		LPB	PKP	13 00 41.5		1.0	9.0	147
			ESS	23 38				
			EL	51 00				
AUG	8	PNS	P	13 11 16.4	C	0.4	3.2	1
			S	11 53.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	8	TRJ	IP	13 55 53.6	C			
		LPB	EP	13 56 33				
		PNS	P	13 56 33.7	C	0.9	7.3	
AUG	8	TRJ	P	16 23 58.7	D			2.6
			S	24 29.9	D			
AUG	8	TRJ	P	18 06 40.6	C			
		LPB	P	18 06 53.5		1.0	32.0	
			(S)	07 42				
		PNS	P	18 06 55.1	C	0.8	17.6	4.4
			S	07 46.4				
AUG	8	PNS	EP	19 36 39.5		1.0	6.0	
AUG	8	USCGS		20 33 46.8, 22.9S, 66.3W, H = 201 Km, M = 4.2				
		JUJUY PROVINCE, ARGENTINA						
		TRJ	IP	20 34 36.9	D			
		LPB	IP	20 35 27.3	C	0.8	120.0	6.8
			S	36 45				
		PNS	IP	20 35 30.9	C		9.9	
			S	36 49.7				
AUG	8	LPB	EP	21 30 40				
AUG	8	USCGS		23 10 47, 19.4N, 103.9W, H = 33 Km, M = 4.5				
		JALISCO, MEXICO						
		PNS	P	23 19 36.6		1.3	16.5	
			IPP	19 44.2				
		LPB	EP	23 19 40				51.0
			(PP)	19 46.8				
			EL	36 00				
AUG	9	PNS	EP	00 05 46.6		1.0	4.8	
AUG	9	PNS	EP	00 16 47.7				
			S	17 46				
		LPB	P	00 16 51		1.0	10.0	
AUG	9	USCGS		03 34 14.3, 40.3N, 19.9E, H = 33 Km, M = 5.0				
		ALBANIA						
		LPB	EP	03 47 58				99.5
			EL	04 22 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	9	PNS	P	03 55 51.5		0.5	3.3	
			(S)	56 47.6				
		LPB	EP	03 55 57				
AUG	9	LPB	P	06 28 59		0.8	5.6	
		PNS	P	06 28 59.2				3.9
			S	29 44.8				
AUG	9	PNS	IP	07 11 14.3	D	0.3	20.1	
		LPB	EP	07 11 17				
AUG	9	TRJ	P	07 42 16.0	C			
AUG	9	PNS	P	08 54 58.6		0.3	4.5	1.9
			S	55 21.7				
AUG	9	USCGS	08 58 53, 16.9N, 98.0W, H = 106 Km, M = 4.6					
		OAXACA, MEXICO						
		PNS	P	09 06 53.9		1.0	6.0	
		LPB	EP	09 06 57		1.0	6.0	45.5
AUG	9	USCGS	10 33 08, 18.0S, 69.5W, H = 156 Km, M = 4.4					
		PERU-BOLIVIA BORDER REGION						
		LPB	P	10 33 43.2		0.8	5.7	2.2
			S	34 12				
		PNS	IP	10 33 45.0	D	0.3	12.6	
			IS	34 18.3				
		TRJ	IP	10 34 17.1	C			
AUG	9	USCGS	11 12 39.4, 9.3N, 83.8W, H = 35 Km, M = 5.0					
		COSTA RICA						
		LPB	EP	11 18 40				30.3
			PP	18 50.5				
			S	24 26				
			EL	30 00				
		PNS	P	11 18 42.5		1.0	6.0	
			PP	18 52.2				
			E	19 42.4				
		TRJ	EP	11 19 40.4				
AUG	9	PNS	EP	12 08 31.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	9	USCGS	15 02 33, 17.5S, 69.5W, H = 157 Km, M = 3.9					
		PERU-BOLIVIA BORDER REGION						
		PNS	IP	15 03 05.4	D			
			S	03 29				
		LPB	IP	15 03 06.2	D			1.9
			IS	03 30				
		TRJ	P	15 04 04.9	C			
AUG	9	TRJ	P	15 15 22.1	D			
			(IP)	15 32.1				
		PNS	P	15 16 18.1		0.4	2.3	7.6
			S	17 44				
AUG	9	USCGS	15 19 24, 34.5N, 138.7E, H = 74 Km, M = 4.3					
		NR S CST OF HONSHU, JAPAN						
		PNS	EPKP	15 39 06.6				
		LPB	EPKP	15 39 09				150.0
			EL	16 31 00				
AUG	9	PNS	P	16 21 41.6		0.3	5.0	1.9
			S	22 06.4				
		LPB	EP	16 31 38				
AUG	9	PNS	EP	16 34 02				3.2
			S	34 40				
AUG	9	USCGS	17 30 36, 20.7S, 175.3W, H = 33 Km, M = 4.9					
		TONGA IS						
		LPB	EP	17 44 15				99.7
AUG	9	PNS	EP	19 06 49.5				1.2
			S	07 04.5				
AUG	9	PNS	P	19 54 01.6	D	0.4	8.3	1.9
			S	54 24.6				
AUG	9	PNS	P	20 13 16.2		0.3	4.0	
AUG	9	PNS	IP	21 04 00.0	C	0.4	2.3	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	9	USCGS	22 30 32, 23.9S, 67.8W, H = 132 Km, M = 4.4					
			CHILE-ARGENTINA BORDER REGION					
		LPB	P	22 32 19		0.8	39.9	8.1
			S	33 43				
		PNS	IP	22 32 22.5	D	1.0	180.5	
			I	32 58.6				
			S	33 49.5				
AUG	9	USCGS	22 25 42.3, 17.2S, 167.5E, H = 33 Km, M = 5.2					
			NEW HEBRIDES IS					
		LPB	EPKP	22 44 26				115.1
			EL	23 20 00				
		PNS	EL	23 20.3				
AUG	10	TRJ	P	00 24 20.8	D			
		LPB	EP	00 25 26				
AUG	10	LPB	EP	02 20 40				
		PNS	EP	02 20 48.4				8.1
			S	22 20.6				
AUG	10	USCGS	05 01 09.4, 20.1S, 175.3W, H = 96 Km, M = 5.8					
			TONGA IS					
		PNS	P	05 14 46.1	D	1.3	10.3	
			IPP	15 11.5				
			PP	18 48.0				
			ISKS	25 16.7				
			S	26 03				
			ESS	33 00				
			EL	47.7				
		LPB	P	05 14 47		1.0	10.0	99.8
			PP	18 49.5				
			SKS	25 16				
			S	26 14				
			ESS	33 00				
			L	47.7				
AUG	10	LPB	EP	05 31 06.5		1.0	10.0	
		PNS	EP	05 31 07.0		1.1	13.8	
AUG	10	LPB	EP	05 39 19				
		PNS	EP	05 39 21.2				
AUG	10	PNS	P	05 44 47.8	D	0.4	2.3	1.7
			S	45 09.1				
AUG	10	LPB	EP	07 11 37				
		PNS	EP	07 11 41.6		1.3	10.3	
			E	12 57				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	10	LPB	P	07 36 29		0.8	4.2	
		PNS	P	07 36 33.3		0.4	1.4	
AUG	10	PNS	EP	09 58 15.6				8.0
			S	59 46.1				
		LPB	EP	09 58 19				
AUG	10	USCGS	12 33 42.2, 5.5S, 151.8E, H = 40 Km, M = 5.3					
			NEW BRITAIN REGION					
		PNS	EPKP	12 52 54				
			IPPKP	53 00				
			EPKS	56 41.6				
			E	56 47				
		TRJ	EPKP	12 52 54.6				
		LPB	EPKP	12 53 01		1.0	20.0	134.6
			EPKS	56 41				
			ESS	13 13 37				
			EL	37 00				
AUG	10	USCGS	13 07 18.5, 5.4S, 151.7E, H = 63 Km, M = 5.1					
			NEW BRITAIN REGION					
		LPB	EPKP	13 26 34				134.9
		PNS	PKP	13 26 34.2		1.4	20.0	
AUG	10	PNS	P	14 38 06.5				2.8
			S	38 39.5				
AUG	10	USCGS	15 57 40, 5.5S, 151.7E, H = 55 Km, M = 5.5					
			NEW BRITAIN REGION					
		LPB	EPKP	16 16 55				134.8
			EL	17 03 00				
AUG	10	PNS	P	16 38 58.3		0.4	2.3	
			(S)	39 35.1				
AUG	10	USCGS	16 51 34, 44.8S, 35.4E, H = 33 Km, M = 4.7					
			PRINCE EDWARD IS REG					
		LPB	EP	17 04 15				87.8
			EL	32 00				
		PNS	P	17 04 18.5				
			PP	04 25				
AUG	10	TRJ	P	17 41 17.6	D			
			IS	41 52.7	C			
		PNS	IP	17 41 46.9	C	0.9	21.9	
			S	42 36.4				
		LPB	P	17 41 47.8		0.9	37.5	3.4
			S	42 28				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	10	USCGS	17 47 42, 2.1N, 103.3W, H = 33 Km, M = 4.7					
		E CENTRAL PACIFIC OCEAN						
		LPB	P	17 55 06.2				39.2
			PP	55 17				
			EL	18 07 00				
		PNS	IP	17 55 06.7	C	1.0	10.8	
AUG	10	PNS	EP	18 18 58.5				3.1
			S	19 35.0				
		LPB	EP	18 19 00				
			(S)	19 33.5				
AUG	10	PNS	EP	19 09 06				
		LPB	(P)	19 09 09				
AUG	10	USCGS	21 25 50, 20.1S, 68.0W, H = 129 Km, M = 4.5					
		S BOLIVIA						
		LPB	IP	21 27 02.6	C	0.7	45.5	4.1
			S	27 53.5				
		PNS	IP	21 17 06.7	C	0.5	110.7	
			IS	28 01.8				
AUG	10	USCGS	22 05 35, 38.4N, 69.6E, H = 4 Km, M = 5.5					
		TADZHIK SSR						
		LPB	EPKP	22 24 57		0.9	11.8	137.1
		PNS	PKP	22 25 03.0	D	1.1	12.3	
			EL	23 10.6				
AUG	10	LPB	EP	22 37 10				
AUG	10	PNS	P	23 34 05.5		0.3	2.8	
AUG	11	LPB	EP	04 31 00				
			S	31 28				
		PNS	IP	04 31 02.1	D	0.7	5.5	2.3
			IS	31 30.5				
AUG	11	USCGS	15 12 42.2, 19.3S, 173.9W, H = 33 Km, M = 5.5					
		TONGA IS						
		TRJ	EP	05 26 15.6	C			
		PNS	EP	05 26 28		1.5	37.5	
			EPP	30 34.4				
			SKS	36 59.8				
		LPB	EP	05 26 30		1.5	31.0	98.8
			EPP	30 35				
			SKS	37 00				
			EPS	30 10				
			L	58.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	11	TRJ	P	05 26 48.8	C			3.6
			IS	27 30.4				
AUG	11	LPB	EP	05 39 32				
		PNS	EP	05 40 06				
AUG	11	USCGS	06 25 57.6, 51.5N, 177.6E, H = 43 Km, M = 5.2					
		RAT IS, ALEUTIAN IS						
		LPB	EL	07 24 00				117.9
		PNS	EL	07 24 00				
AUG	11	PNS	EP	09 48 06				
		LPB	EP	09 48 08				
AUG	11	USCGS	09 50 41.7, 10.5N, 83.9W, H = 103 Km, M = 4.4					
		COSTA RICA						
		PNS	IP	09 56 48.3		0.8	5.5	
		LPB	EP	09 56 51				
AUG	11	USCGS	10 07 00.7, 29.1S, 69.5W, H = 106 Km, M = 4.5					
		CHILE-ARGENTINA BOR REG						
		TRJ	P	10 08 45.0	D			
		LPB	P	10 09 57.5		0.8	7.0	12.2
			I	10 04.5				
			ES	12 07				
		PNS	P	10 10 00		0.9	8.4	
			I	10 04.6				
			S	12 04.8				
AUG	11	USCGS	10 45 59.6, 52.8N, 169.7W, H = 61 Km, M = 5.3					
		FOX IS, ALEUTIAN IS						
		LPB	EPKP	11 04 27				110.2
			EL	11 39 00				
		PNS	EPKP	11 04 27.7				
AUG	11	USCGS	10 50 28, 52.4N, 169.4W, H = 33 Km, M = 4.4					
		FOX IS, ALEUTIAN IS						
		PNS	EPKP	11 08 59				
			SKS	15 43.0				
		LPB	EPKP	11 09 02				110.0
AUG	11	LPB	EP	11 50 58				8.3
			E	51 41.5				
			S	52 32.5				
		PNS	EP	11 51 28.4				
			I	51 38.7				
			S	52 24.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	11	PNS	EP	13 13 30				3.6
			S	14 12				
AUG	11	PNS	P	13 30 46.5		0.3	4.0	1.8
			S	31 09.3				
AUG	11	USCGS	13 25 37, 19.8N, 108.9W, H = 33 Km, M = 4.6					
		REVILLA GIGEDO IS REG						
		PNS	P	13 34 58		0.9	6.3	
			EL	52.2				
		LPB	EP	13 35 00				54.0
			EL	52 00				
AUG	11	USCGS	14 47 04, 19.8N, 109.0W, H = 33 Km, M = 4.5					
		REVILLA GIGEDO IS REG						
		PNS	P	14 56 25.6		1.0	8.4	
			IPP	56 32.2				
			PP	58 24.1				
		LPB	P	14 56 29.2		1.1	18.4	54.1
			PP	56 36				
			ES	15 03 28				
AUG	11	LPB	EP	15 08 53				
			EL	27 00				
		PNS	IP	15 08 56.3		1.4	38.8	
			I	09 04.0				
			EL	27.2				
AUG	11	USCGS	15 10 26, 18.9S, 69.5W, H = 123 Km, M = 4.4					
		N CHILE						
		LPB	IP	15 11 11.5	C	0.7	208.0	3.4
			IS	11 46				
		PNS	IP	15 11 11.8	C	0.5	166.1	
			S	11 44.0				
		TRJ	IP	15 11 17.3	C			
AUG	11	USCGS	15 03 41.3, 5.6N, 126.5E, H = 115 Km, M = 4.9					
		MINDANAO, P. I.						
		LPB	EL	16 21 00				162.0
AUG	11	TRJ	P	16 12 33.9	C			
		LPB	P	16 13 05.2		0.8	15.4	2.9
			S	13 40				
		PNS	EP	16 13 05.8				
			I	13 09.0				
			S	13 48.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	11	PNS	EP	16 40 52				
			E	42 51.6				
			S	43 57.7				
			L	45 00				
		LPB	EP	16 41 13		1.0	14.0	
			ES	44 14				
			EL	45.2				
AUG	11	LPB	EP	18 00 22				
		PNS	P	18 00 52.5		0.6	2.7	2.2
			S	01 19.3				
AUG	11	TRJ	IP	19 53 23.7	D			2.6
			S	53 54.5				
AUG	11	LPB	EP	20 14 35				2.7
			S	15 06.8				
		PNS	EP	20 14 36.6				
			S	15 17.3				
AUG	11	USCGS	20 39 55.9, 23.5S, 175.9W, H = 32 Km, M = 5.3					
		TONGA IS REG						
		LPB	EP	20 53 31				99.0
			ESKS	21 04 23				
			EL	26.8				
		PNS	EP	20 53 32				
			ISKS	21 04 24				
			L	26.2				
AUG	11	PNS	E(P)	22 55 43				
		LPB	E(P)	22 55 48				
AUG	11	USCGS	23 25 37.9, 23.4S, 175.9W, H = 37 Km, M = 5.3					
		TONGA IS REG						
		PNS	EP	23 39 20.4				
			EPP	43 22				
			ISKS	49 59.0				
			~~IPS~~	52 20				
			SSP	57 20				
			L	00 11.6				
		LPB	EP	23 39 21				99.0
			EPP	43 24				
			SKS	50 00				
			PS	52 14				
			L	00 11.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	12	PNS	E(P)	00 11 51.7				
			E	14 33.7				
AUG	12	LPB	E(P)	00 24 07				
AUG	12	USCGS	00 12 38, 23.3S, 175.9W, H = 33 Km, M = 5.2					
		TONGA IS REG						
		LPB	EP	00 26 15				99.0
		PNS	EP	00 26 15.4				
AUG	12	USCGS	01 49 04, 14.7S, 175.9W, H = 33 Km, M = 4.8					
		SAMOA IS REG						
		PNS	P	02 02 54.3				
			SKS	13 27				
			EL	37.4				
		LPB	EP	02 02 58				102.1
			EL	37 00				
AUG	12	PNS	E(P)	02 24 54.8				
		LPB	EP	02 24 55				
AUG	12	LPB	EP	04 04 16				
		PNS	P	04 04 25.4				
AUG	12	USCGS	03 59 50.1, 22.4S, 176.2W, H = 128 Km, M = 5.4					
		S OF FIJI IS						
		PNS	EP	04 13 16				
			SKS	24 00				
			EL	47.5				
		LPB	EP	04 13 20.5				99.5
AUG	12	PNS	P	04 17 25.2		1.4	3.6	
		LPB	EP	04 17 26				
AUG	12	USCGS	05 04 00, 15.0S, 174.9W, H = 33 Km, M = 4.6					
		TONGA IS						
		PNS	ESKS	05 28 26				
			EL	52 00				
AUG	12	TRJ	EP	06 49 15.1	C			
			S	49 46.9	D			
AUG	12	USCGS	09 18 54, 36.6N, 107.2W, H = 5 Km					
		NEW MEXICO						
		LPB	EP	09 29 30				64.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	12	TRJ	IP	10 29 57.9	D			
		LPB	IP	10 30 07.5	D	0.8	37.7	4.2
			S	30 56.7				
		PNS	P	10 30 17.1	D	0.5	8.1	
			S	30 44.5				
AUG	12	PNS	EP	10 37 02				8.6
			S	38 39				
		LPB	EP	10 37 13				
AUG	12	TRJ	P	12 23 42.9	D			2.5
			S	24 13.0				
AUG	12	TRJ	IP	14 04 06.4	C			2.6
			S	04 37.5				
AUG	12	USCGS	14 40 53, 13.7N, 89.8W, H = 94 Km, M = 3.8					
		EL SALVADOR						
		LPB	EL	14 58 00				37.3
AUG	12	USCGS	14 37 56, 23.6S, 176.0W, H = 63 Km, M = 5.0					
		TONGA IS REG						
		PNS	EP	14 51 33.4				
			EL	15 25.1				
		LPB	EL	15 25 00				99.0
AUG	12	USCGS	15 36 17, 53.7N, 35.1N, H = 33 Km, M = 4.7					
		N ATLANTIC OCEAN						
		LPB	EP	14 48 01				75.5
			EL	16 08 00				
		PNS	EP	15 48 01		1.5	17.5	
			EL	16 07.9				
AUG	12	PNS	P	15 22 14.0		0.4	4.1	3.4
			S	22 53.6				
		LPB	EP	15 22 21				
AUG	12	USCGS	16 06 27, 53.6N, 35.4W, H = 33 Km, M = 4.6					
		N ATLANTIC OCEAN						
		LPB	EL	16 36 00				61.0
		PNS	L	16 36 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	12	USCGS	19 24 06, 53.4S, 25.4E, H = 33 Km, M = 4.9					
		S OF AFRICA						
		LPB	eP	19 36 08				79.0
			pP	36 19.2				
			eL	20 01 00				
		PNS	P	19 36 10.7		1.0	12.4	
			S	46 13				
			L	20 00.9				
AUG	12	USCGS	19 22 24.2, 34.0N, 137.2E, H = 324 Km, M = 4.9					
		NEAR S CST OF HONSHU, JAPAN						
		LPB	ePKP	19 41 31				151.3
			ePKP2	41 45.5				
			(ePKP)	43 07				
			eSS	20 03 48				
			eL	33 00				
		PNS	ePKP	19 41 38				
			i	42 00				
			pPKP	43 07				
			L	20 33.1				
AUG	12	USCGS	20 16 59.8, 52.9N, 161.6W, H = 31 Km, M = 5.6					
		S OF ALASKA						
		LPB	eP	20 31 07				105.0
			eL	21 07 00				
		PNS	eP	20 31 07.9				
			eL	21 07 00				
AUG	12	USCGS	21 08 05, 23.9N, 141.9E, H = 101 Km, M = 4.7					
		VOLCANO IS REG						
		LPB	ePKP	21 27 45				150.5
			eL	22 19 00				
		PNS	ePKP	21 27 46.5				
			L	22 19.3				
AUG	12	USCGS	22 23 43, 27.5N, 140.1E, H = 473 Km, M = 4.2					
		BONIN IS REG						
		PNS	PKP	22 42 35.7				
			i	42 46.3				
			eL	23 35 00				
		LPB	ePKP	22 42 36				151.2
			ePKP2	42 49				
			eL	23 35 00				
AUG	12	TRJ	P	22 59 47.2	D			2.6
			S	23 00 18.4	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	12	PNS	P	23 20 40.5	D	0.5	5.7	2.0
			iS	21 04.6				
		LPB	eP	23 21 07				
AUG	12	PNS	P	23 33 09.5				
		LPB	eP	23 33 32				
AUG	12	LPB	eP	23 45 46				
		PNS	eP	23 45 48				
			i	45 59.6				
AUG	13	TRJ	P	00 21 41.2				
		PNS	eP	00 21 43.7				
			eS	22 21.7				
		LPB	eP	00 21 55				
AUG	13	LPB	eP	02 11 49				
			(S)	15 11				
			eL	16.9				
		PNS	eP	02 11 49.0				
			(S)	15 10.4				
AUG	13	LPB	eP	03 21 54				
			eS	22 07				
AUG	13	LPB	eP	03 29 54				0.1
			S	30 07.2				
		PNS	eP	03 30 05.0				
AUG	13	PNS	eP	04 32 40				
			S	34 51.8				
		LPB	eP	04 32 44				11.4
			S	34 51.2				
AUG	13	TRJ	P	04 45 43.0	D			2.8
			S	46 16.7	D			
AUG	13	TRJ	iP	07 32 16.0	D			2.0
			iS	32 40.4	D			
AUG	13	USCGS	07 53 19.2, 17.6S, 13.5W, H = 33 Km, M = 4.3					
		ATLANTIC RIDGE						
		LPB	eP	08 02 28		1.0	6.0	56.2
			eL	19 00				
		PNS	eP	08 02 29				
			pP	02 38				
			L	18.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	13	PNS	eP	08 13 45.6				2.9
			S	14 20				
		LPB	eP	08 14 07				
AUG	13	PNS	p	09 20 41				1.8
			iS	21 03.4				
		LPB	P	09 20 44		1.0	6.0	
AUG	13	LPB	eP	10 19 44				
		PNS	eP	10 19 57.4				2.9
			S	20 32.0				
AUG	13	PNS	iP	10 22 24.8	D	0.5	24.5	1.8
			S	22 47				
		LPB	ep	10 22 27				
AUG	13	TRJ	ip	11 29 15.1	D			
AUG	13	USCGS	12 11 31, 21.8S, 170.6E, H = 33 Km, M = 4.7					
		LOYALTY IS REG						
		LPB	ePKP	12 30 08				111.0
		PNS	eL	13 04 00				
AUG	13	LPB	iP	15 03 57.5	D	1.0	142.0	3.6
			S	04 40				
		PNS	P	15 03 58.0		1.1	22.1	
			S	04 43				
AUG	13	PNS	P	15 16 10.8		0.6	7.9	4.4
			S	17 02				
		LPB	eP	15 16 30		1.0	26.0	
AUG	13	USCGS	16 58 41.3, 24.2N, 122.8E, H = 53 Km, M = 4.8					
		TAIWAN REGION						
		PNS	ePKP	17 18 46				
			L	18 16.9				
		LPB	eL	18 17 00				167.0
AUG	13	PNS	eP	17 50 40				
			(S)	51 15.6				
AUG	13	USCGS	19 53 53, 21.6S, 170.8E, H = 33 Km					
		LOYALTY IS REG						
		LPB	ePKP	20 12 23				110.8
			e1	46 00				
		PNS	e1	20 46.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	13	LPB	eP	22 30 09				
			eS	31 22				
		PNS	P	22 30 13.2		0.9	8.1	
AUG	14	PNS	iP	01 13 13.0	D	0.3	18.0	1.8
			iS	13 35.0				
		LPB	ep	01 13 41				
AUG	14	LPB	ep	03 35 53				
		PNS	P	03 35 58.4		0.4	2.0	
AUG	14	USCGS	04 36 10, 21.9S, 170.0E, H = 18 Km, M = 5.1					
		LOYALTY IS REG						
		LPB	eL	05 29 00				111.5
		PNS	eL	05 29.3				
AUG	14	PNS	eP	05 03 00.4				7.6
			S	04 26.4				
AUG	14	USCGS	05 08 30.8, 38.3N, 73.7E, H = 102 Km, M = 5.1					
		TADZHIK-SINKIANG BOR REG						
		PNS	eL	05 54.9				
AUG	14	USCGS	05 34 49, 51.9N, 178.5W, H = 47 Km, M = 4.8					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	eL	06 29 00				115.4
		PNS	L	06 29.3				
AUG	14	PNS	eP	06 48 10.8				
			(S)	48 45				
		LPB	eP	06 48 24				
AUG	14	PNS	iP	07 07 02.7	D	0.4	8.2	
AUG	14	TRJ	ip	07 46 48.8	C			
		LPB	iP	07 47 21	C	0.7	13.0	
			S	47 54				
		PNS	iP	07 47 24.6	C	0.6	220.0	
			iS	47 59.6				
AUG	14	PNS	eP	09 58 16				2.9
			S	58 50				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	14	LPB	P	10 04 47.5		1.0	10.0	
		PNS	eP	10 04 48.2				
AUG	14	USCGS	10 02 48, 22.1S, 170.4E, H = 33 Km, M = 4.8					
		LOYALTY IS REG						
		LPB	ePKP	10 21 28				110.8
		PNS	eL	10 55.3				
AUG	14	LPB	eP	10 34 35				
		PNS	eP	10 34 52				
AUG	14	PNS	eP	11 45 07		1.0	7.1	
AUG	14	LPB	eP	13 40 34				
		PNS	eP	13 40 37				
AUG	14	LPB	ep	15 21 03				
AUG	14	PNS	p	17 43 00.5				
AUG	14	LPB	eP	19 01 24		0.8	9.8	
		PNS	eP	19 01 25.8		0.7	3.4	
AUG	14	PNS	iP	21 14 28.0	D	0.3	8.2	1.8
			S	14 50.2				
AUG	14	LPB	P	23 41 05		1.0	16.0	
			(S)	41 42				
		PNS	P	23 41 06.1	C	0.6	4.5	
			S	41 44				
AUG	15	USCGS	02 15 33.8, 28.7N, 78.9E, H = 50 Km, M = 5.8					
		N INDIA						
		LPB	PKP	02 35 14		1.4	560.0	147.2
			epPKP	35 23				
			el	03 25 00				
		PNS	PKP	02 35 14.7		1.0	30.0	
			ipPKP	35 23.4				
			eSS	57 45				
			G	03 15.8				
			eL	25.1				
		TRJ	iPKP	02 35 16.2	C			
AUG	15	PNS	P	02 44 45.1		0.7	3.4	5.1
			i	44 56.2				
			S	45 46				
		LPB	P	02 44 49		1.0	16.0	
			(S)	45 48				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	15	USCGS	02 45 32.3, 13.3N, 121.3E, H = 14 Km, M = 5.7					
		MINDORO, P. I.						
		LPB	ePKP	03 05 37				170.6
			ePP	10 53				
			eSS	32 00				
			L	04 06.6				
		PNS	ePKP	03 05 42.3		1.2	9.6	
			pPKP	05 46				
			PKP2	06 56				
			ePP	10 53.4				
			SS	32 00				
			eG	55 53				
			eL	04 06.3				
AUG	15	TRJ	P	03 37 58.2	C			
		PNS	P	03 38 42.7		0.9	20.0	
			eS	40 00				
AUG	15	TRJ	p	04 13 45.9	D			
AUG	15	PNS	iP	07 32 18.6	D	0.5	4.7	1.8
			iS	32 40.6				
AUG	15	USCGS	09 54 49, 17.3S, 167.7E, H = 51 Km					
		NEW HEBRIDES IS						
		LPB	ePKP	10 13 52				126.1
			eL	11 03 00				
		PNS	eL	11 03 00				
AUG	15	USCGS	10 20 42.2, 3.8N, 64.0E, H = 37 Km, M = 5.6					
		CARLSBERG RIDGE						
		LPB	PKP	10 39 55.8			280.0	131.2
			ePKS	43 23				
			SSS	11 04 42				
			eL	11 22.3				
		PNS	PKP	10 39 56.2		1.8	140.0	
			PKS	43 23.9				
			eSSS	11 04 43				
			eL	22.3				
AUG	15	USCGS	10 58 51.7, 58.2N, 153.1W, H = 41 Km, M = 4.9					
		KODIAK IS REG						
		LPB	eP	11 12 22				101.4
			eL	47 00				
		PNS	eP	11 12 23				
			eSKS	22 57				
			eL	47.3				
		TRJ	P	11 13 01.3	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	15	PNS	P	12 26 50.0				
			(S)	27 11.6				
AUG	15	PNS	eP	13 33 55				3.7
			S	34 38				
AUG	15	USCGS	13 36 23.7, 60.4N, 146.0W, H = 9 Km, M = 5.3					
		S ALASKA						
		PNS	L	14 23.1				
		LPB	eL	14 24 00				97.7
AUG	15	LPB	P	14 32 45.5		0.9	17.0	
		PNS	P	14 32 47.7		0.6	4.0	
AUG	15	PNS	eP	15 17 49		0.8	3.2	
		LPB	eP	15 17 51		0.9	15.3	
			eS	23 05				
			eL	29 00				
AUG	15	PNS	P	18 17 12		0.3	4.4	2.0
			S	17 36.0				
AUG	16	PNS	P	00 28 11.0		0.7	6.0	
AUG	16	USCGS	02 16 19.7, 36.4N, 70.8E, H = 199 Km, M = 5.7					
		HINDU KUSH REG						
		TRJ	EPKP	02 35 18.6	C			
		PNS	PKP	02 35 23.6		1.2	460.9	
			iPP	38 16.0				
			iPKS	38 39.0				
			ESKS	42 21.3				
			SS	56 23				
			eL	03 23 00				
		LPB	PKP	02 35 24.4	C	1.2	114.0	138.0
			PP	38 15				
			iPKS	38 38.5				
			EL	03 23 00				
AUG	16	USCGS	02 51 50.4, 32.3S, 70.9W, H = 134 Km, M = 4.2					
		CHILE-ARGENTINA BOR REG						
		LPB	eP	02 55 29				16.0
		PNS	eP	02 55 29.3				
			i	55 34.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	16	USCGS	04 43 25, 30.2N, 113.5W, H = 33 Km, M = 4.5					
		GULF OF CALIFORNIA						
		PNS	eP	04 53 55				
			eS	05 02 26				
			eL	14.4				
		LPB	P	04 53 55.5		1.0	6.0	64.1
			eL	05 15 00				
AUG	16	TRJ	P	05 25 40.1	D			
AUG	16	PNS	eP	09 23 52.2				3.8
			S	24 37				
		LPB	eP	09 23 57		0.9	1.2	
AUG	16	USCGS	09 43 25.1, 5.8S, 104.4E, H = 33 Km, M = 4.4					
		SUMATRA						
		LPB	ePKP	10 03 20				156.7
			eL	57 00				
		PNS	ePKP	10 03 20				
			SS	27 20				
			L	57.5				
		TRJ	PKP	10 03 20.0	D			
AUG	16	PNS	eP	12 35 46				
AUG	16	LPB	eP	13 35 45				1.3
			S	36 02.5				
		PNS	P	13 35 54				
		TRJ	P	13 36 47.5	D			
AUG	16	TRJ	P	14 48 11.3	C			
			S	48 43.7	C			
		LPB	eP	14 48 36				
		PNS	P	14 48 42.5	C	0.5	10.6	5.0
			S	49 40				
AUG	16	USCGS	15 00 46, 14.3N, 92.9W, H = 40 Km, M = 4.4					
		NEAR COAST OF CHIAPAS, MEXICO						
		PNS	eP	15 08 08.4		1.3	14.7	
			eL	19 00				
		LPB	eP	15 08 09				39.1
			eL	19 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	16	USCGS	15 02 15, 4.0N, 62.7E, H = 33 Km, M = 4.6					
		CARLSBERG RIDGE						
		PNS	ePKP	15 21 24.8				
			eSS	41 07				
			eL	16 04 00				
		LPB	ePKP	15 21 25				130.0
			eL	16 04 00				
AUG	16	LPB	eP	15 24 41				
			S	25 21.5				
		PNS	eP	15 24 41.8				
AUG	16	LPB	P	18 07 49.5		1.2	23.3	
		PNS	P	18 07 49.8	C	1.3	33.9	
AUG	16	USCGS	18 02 36.1, 37.4N, 114.2W, H = 33 Km, M = 6.1					
		S NEVADA						
		PNS	P	18 13 40.1		1.2	114.0	
			S	22 43				
			L	35.6				
		LPB	P	18 13 43		1.1	69.0	69.0
			eS	22 22				
			eL	35.7				
		TRJ	P	18 14 20.5	D			
AUG	16	USCGS	19 50 09.5, 37.4N, 114.1W, H = 39 Km, M = 4.6					
		S NEVADA						
		LPB	eP	20 01 15				69.0
			S	10 28				
			eL	23 00				
		PNS	eP	20 01 16				
			S	10 28				
			eL	23 00				
AUG	16	USCGS	19 45 38.7, 21.4S, 171.3E, H = 36 Km, M = 5.3					
		LOYALTY IS REG						
		LPB	ePKP	20 04 05				111.0
			SKS	12 45				
			eSS	20 28				
			eL	37 00				
		PNS	ePKP	20 04 07				
			iSKS	12 47				
			iSS	20 27.0				
			L	37.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	16	USCGS	20 11 33, 37.2N, 114.3W, H = 33 Km,					
		S NEVADA						
		LPB	eP	20 22 36				69.0
			eS	31 24				
			eL	44 00				
		PNS	S	20 31 23				
			L	44.8				
AUG	16	USCGS	20 34 47.5, 37.3N, 114.2W,					
		S NEVADA						
		LPB	ep	20 45 38				70.0
AUG	16	USCGS	20 42 27, 37.3N, 114.3W, H = 33 Km					
		S NEVADA						
		LPB	ep	20 53 31.5				69.0
			eL	21 15 00				
		PNS	S	21 02 37				
			eL	15 00				
AUG	16	USCGS	21 01 47, 37.2N, 28.8E, H = 48 Km, M = 4.6					
		TURKEY						
		LPB	eP	21 15 47				105.0
			eL	51 00				
		PNS	eP	21 15 50				
			ePP	21 16				
			SKS	26 35				
			PPS	30 28				
			L	50.9				
AUG	16	USCGS	21 25 31.6, 19.9S, 177.8W, H = 509 Km, M = 4.8					
		FIJI IS REG						
		PNS	L	21 20.8				
AUG	16	PNS	eP	22 00 00.6				
			S	01 12.6				
		LPB	eP	22 00 12		0.9	8.5	6.4
			i	00 23				
			S	01 25.5				
AUG	16	USCGS	22 18 00, 71.4N, 2.8W, H = 33 Km, M = 4.3					
		JAN MAYEN IS REG						
		PNS	eP	22 31 33.6				
			eL	23 04.5				
		LPB	eL	23 04 00				98.5

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	16	USCGS S NEVADA	22 45 59, 37.1N, 114.1W, H = 33 Km,					
		PNS	eP	22 57 05				
			eS	23 06 05				
			L	19.4				
		LPB	eL	23 19 00				69.1
AUG	17	USCGS S NEVADA	01 04 13, 37.4N, 114.2W, H = 33 Km					
		LPB	eL	01 37 00				69.1
		PNS	eL	01 37.2				
AUG	17	PNS	P	02 31 44.5		0.7	8.2	
		LPB	P	02 31 45.5		0.9	10.2	
AUG	17	LPB	P	02 37 48.5		1.0	8.0	
		PNS	e(P)	02 37 48.7				
AUG	17	USCGS S NEVADA	02 37 02, 37.4N, 114.1W, H = 33 Km					
		PNS	eP	02 48 05.3				
			L	03 10.2				
		LPB	eP	02 48 06				69.1
			eL	03 10 00				
AUG	17	USCGS S NEVADA	03 13 59, 37.3N, 114.2W, H = 33 Km					
		PNS	eP	03 25 06				
			eL	48 00				
		LPB	eP	03 25 06.5				69.1
			eL	48 00				
AUG	17	USCGS S NEVADA	04 14 00.9, 37.4N, 114.2W, H = 33 Km					
		PNS	eP	04 25 05				
			L	47.2				
		LPB	eP	04 25 06				69.1
			eL	48 00				
AUG	17	USCGS S NEVADA	04 46 41.2, 37.4N, 114.1W, H = 33 Km					
		PNS	eP	04 57 45				
			eL	05 19.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	17	USCGS RAT IS ALEUTIAN IS	05 37 54.3, 51.7N, 176.1E, H = 50 Km, M = 5.0					
		LPB	ePKP	05 56 36				119.2
		PNS	ePKP	05 56 40.7		0.6	4.9	
			eL	07 34.3				
AUG	17	USCGS BANDA SEA	06 10 21, 7.9S, 127.7E, H = 139 Km, M = 4.8					
		TRJ	PKP	06 29 59.0	C			
		LPB	iPKP	06 30 01.2		1.0	24.0	151.2
			eL	07 22 00				
		PNS	iPKP	06 30 01.4	C	0.8	38.4	
			L	07 22.1				
AUG	17	LPB	eP	07 31 47.5				
			S	32 25				
		PNS	P	07 31 48.3		0.4	7.5	2.9
			S	32 22.6				
AUG	17	PNS	iP	11 31 36.6	D	0.4	13.7	2.1
			S	32 02				
AUG	17	TRJ	P	11 41 57.4	C			
AUG	17	TRJ	P	12 03 54.4	D			
AUG	17	USCGS BANDA SEA	11 52 45.9, 7.4S, 123.4E, H = 474 Km, M = 5.1					
		PNS	ePKP	12 11 39		0.8	8.2	
			PKP2	12 05				
			eL	13 06.2				
		LPB	ePKP	12 11 41		1.1	9.2	153.4
		TRJ	PKP	12 11 47.6	C			
AUG	17	LPB	P	15 06 45		1.0	26.0	
		TRJ	P	15 06 46.4	C			
			S	07 26.3	C			
		PNS	iP	15 06 48.6	D	0.5	17.3	3.9
			S	07 33.7				
AUG	17	USCGS CENTRAL CHILE	16 17 59, 35.3S, 71.1W, H = 107 Km, M = 4.6					
		LPB	eP	16 22 14.5		1.3	19.6	19.0
		PNS	eP	16 22 16				
AUG	17	PNS	eP	16 42 30.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	17	PNS	eP	16 59 15.7				6.9
			S	17 00 33.7				
AUG	17	PNS	eP	17 38 56.2				
AUG	17	USCGS	19 54 10.2, 5.0S, 125.2E, H = 538 Km, M = 5.6					
		BANDA SEA						
		LPB	PKP	20 13 04.7		1.2	39.0	155.0
			e	13 13.8				
			PKP2	13 32				
			PP	17 08				
			eL	21 07 00				
		PNS	PKP	20 13 05.1	C	1.6	85.2	
			i	13 14.0				
			PKP2	13 32.3				
			ePKS	16 37				
			PP	17 08				
			eL	21 07 00				
AUG	17	PNS	P	20 41 25.8		0.4	3.4	
			e(S)	43 04				
AUG	17	USCGS	20 58 35.9, 52.3N, 174.9E, H = 32 Km, M = 5.6					
		NEAR IS, ALEUTIAN IS						
		LPB	ePKP	21 17 17				119.5
			eL	55 00				
		PNS	ePKP	21 17 20				
			L	55.5				
AUG	17	USCGS	21 42 50.6, 37.4N, 114.1W, H = 33 Km					
		S NEVADA						
		PNS	eL	22 16.2				
AUG	17	PNS	eP	22 38 04.5				
			eS	38 55				
AUG	17	USCGS	23 07 58.9, 37.3N, 114.1W, H = 33 Km, M = 5.2					
		S NEVADA						
		LPB	eL	23 41 00				69.0
		PNS	L	23 41.1				
AUG	17	USCGS	23 14 42, 50.9N, 30.0N, H = 33 Km, M = 4.5					
		S ATLANTIC RIDGE						
		PNS	eP	23 26 22				
			eL	49.5				
		LPB	eP	23 26 24				75.1
			eL	49 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	17	USCGS	23 27 21, 37.4N, 114.3W, H = 33 Km					
		S NEVADA						
		PNS	eS	23 47 25				
			eL	00 00.1				
AUG	18	USCGS	00 05 04.9, 1.7S, 100.6E, H = 19 Km, M = 5.3					
		E SUMATRA						
		LPB	ePKP	00 25 05				159.0
			pPKP	25 15.5				
			eL	01 20 00				
		PNS	ePKP	00 25 05				
			PKP2	25 43.3				
			i	25 58				
			eL	01 20.5				
AUG	18	PNS	P	02 12 45.7		0.3	5.2	2.3
			S	13 13				
AUG	18	USCGS	02 29 44, 15.8S, 172.9W, H = 33 Km, M = 4.5					
		SAMOA IS REG						
		LPB	eP	02 43 22				99.0
			eL	03 17 00				
		PNS	eL	03 17 00				
AUG	18	PNS	eP	03 38 34.4		1.2	22.0	
AUG	18	TRJ	P	04 48 27.2	D			2.8
			S	49 00.4	C			
AUG	18	TRJ	P	06 17 12.9	C			2.9
			S	17 47.2	C			
AUG	18	USCGS	06 15 01, 37.2N, 114.2W, H = 33 Km					
		S NEVADA						
		LPB	eP	06 26 06				69.1
			eL	49 00				
		PNS	L	06 47 00				
AUG	18	USCGS	06 27 44, 37.3N, 114.2W, H = 33 Km					
		S NEVADA						
		LPB	eL	07 01 00				69.1
		PNS	eL	07 01 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	18	USCGS	06 38 04, 51.5N, 177.8E, H = 44 Km, M = 5.3					
		RAT IS, ALEUTIAN IS						
		LPB	eP	06 56 50				118.0
			eL	07 16 00				
		PNS	eP	06 56 52				
			L	07 15.4				
AUG	18	LPB	eP	08 04 03				
			S	04 42.8				
		PNS	P	08 04 07.4		0.4	4.8	2.7
			iS	04 40.0				
		TRJ	P	08 04 12.8	C			
			S	04 54.9				
AUG	18	USCGS	08 07 59, 37.4N, 114.3W, H = 33 Km					
		S NEVADA						
		PNS	eL	08 41 00				
AUG	18	LPB	eP	08 43 32				
AUG	18	USCGS	09 15 34.9, 37.3N, 114.1W, H = 9 Km, M = 5.1					
		S NEVADA						
		LPB	eP	09 26 32				69.0
			eL	49 00				
		PNS	L	09 49.1				
AUG	18	USCGS	09 28 58, 37.4N, 114.3W, H = 33 Km					
		S NEVADA						
		LPB	eL	10 02 00				69.1
		PNS	L	10 02.1				
AUG	18	PNS	eP	10 05 56.7				
			S	06 23.7				
AUG	18	USCGS	10 33 16.5, 14.6N, 91.7W, H = 76 Km, M = 5.9					
		GUATEMALA						
		PNS	P	10 40 31.7		1.0	71.4	
			pP	40 53				
			PP	42 10				
			iS	46 23				
			iSS	48 34				
		LPB	P	10 40 35.5	C	0.9	53.0	38.9
			pP	40 55.7				
			PP	42 12				
			S	46 29.5				
			SS	49 04				
			L	52.6				
		TRJ	iP	10 41 24.5	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	18	PNS	eP	11 24 25.4				
			S	25 12.4				
		LPB	eP	11 24 27				1.8
			S	24 49.5				
AUG	18	USCGS	12 00 35.2, 37.3N, 114.2W, H = 33 Km, M = 4.4					
		S NEVADA						
		LPB	eP	12 11 40				69.1
			eL	33 00				
AUG	18	PNS	eP	12 30 00				
			eS	30 50				
AUG	18	USCGS	13 33 20.8, 37.4N, 114.2W, H = 33 Km, M = 4.6					
		S NEVADA						
		LPB	eL	14 06 00				69.1
		PNS	eL	14 06.1				
AUG	18	PNS	iP	14 13 06.4	D	0.3	29.8	2.5
			iS	13 37.0				
		LPB	eP	14 13 07				
			S	13 44				
AUG	18	USCGS	14 33 59.8, 2.0S, 125.1E, H = 56 Km, M = 6.3					
		MOLUCCA SEA						
		LPB	PKP	14 53 57.5		1.3	56.0	157.3
			PP	57 06				
			PKS	57 52				
			eSKS	15 01 21				
			SS	17 23				
			eL	48.3				
		PNS	PKP	14 53 57		1.3	52.3	
			i	54 35.5				
			PP	57 06.2				
			iPKS	57 52.0				
			SS	15 19 16				
			L	48.7				
AUG	18	TRJ	iP	14 54 55.0	C			
AUG	18	USCGS	14 37 53, 1.0S, 125.1E, H = 33 Km, M = 6.3					
		MOLUCCA SEA						
		PNS	iPKP	14 57 52.0	C	1.5	140.0	
			pPKP	58 04				
			iPKP2	58 29.0				
			PKS	15 01 28.3				
			PP	02 08.3				
			SKS	05 00.2				
			L	51.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		LPB	PKP	14 57 52.2	C	1.5	182.0	158.0
			pPKP	58 04.5				
			PKP2	58 28.4				
			PKS	15 01 28				
			PP	02 08				
			eSKS	05 00				
			eSS	10 33				
			eL	52 00				
AUG	18	TRJ	iP	14 58 49.1	D			
AUG	18	USCGS	15 02 17.0, 21.0S, 169.0E, H = 20 Km, M = 5.2					
			LOYALTY IS REG					
		LPB	ePKP	15 20 53				112.1
			eL	55 00				
		PNS	ePKP	15 20 53				
			eL	55.3				
AUG	18	USCGS	15 42 42.7, 4.3S, 138.4E, H = 155 KM, M = 5.4					
			W NEW GUINEA					
		LPB	ePKP	16 02 10		1.0	34.0	146.2
			PKP2	02 12.5				
			pPKP	02 46.2				
			eSS	23 23				
			eL	50.5				
		PNS	PKP	16 02 10	C	0.8	15.1	
			PKP2	02 12.0				
			pPKP	02 45.9				
			eSS	23 23				
			L	51.3				
AUG	18	TRJ	iP	16 03 07.7	C			
AUG	18	PNS	P	16 52 21.2		0.3	4.1	
AUG	18	USCGS	17 35 06.4, 37.4N, 114.2W, H = 33 Km, M = 5.2					
			S NEVADA					
		LPB	eP	17 46 11				69.1
			eL	18 08 00				
		PNS	eL	18 08.3				
AUG	18	LPB	eP	18 15 48		0.6	21.6	
			e(S)	16 35				
		PNS	iP	18 15 49.2	C	0.5	5.8	
			S	16 28				
		TRJ	iP	18 16 42.3	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	18	USCGS	20 09 16, 37.4N, 114.3W, H = 33 Km					
		S NEVADA						
		LPB	eL	20 42 00				69.1
		PNS	L	20 42.1				
AUG	18	PNS	eP	22 18 21.8				
		LPB	P	22 18 24		0.7	10.4	
			S	18 51				
AUG	18	USCGS	22 09 00.2, 36.2N, 26.4E, H = 122 Km, M = 4.3					
		DODECANESE IS						
		LPB	eP	22 22 43				103.0
			eL	58 00				
		PNS	eP	22 22 46				
			eL	57.9				
AUG	18	PNS	iP	22 27 52.5	D	0.4	3.4	1.8
			S	28 13				
		LPB	eP	22 27 54				
AUG	19	LPB	eP	00 18 08				3.5
			S	18 49.5				
		PNS	eP	00 18 13				
			S	19 01.4				
AUG	19	USCGS	00 25 51, 27.0S, 69.4W, H = 87 Km, M = 4.5					
		N CHILE						
		LPB	eP	00 28 25				11.2
		PNS	eP	00 28 26.6		0.9	9.3	
			eS	30 28				
AUG	19	LPB	eP	00 49 31				
		PNS	eP	00 49 47.4				
AUG	19	USCGS	01 27 16, 37.3N, 114.2W, H = 33 Km					
		S NEVADA						
		PNS	eP	01 37 22				
			eL	56.2				
AUG	19	USCGS	01 48 22, 14.3N, 93.0W, H = 33 Km, M = 4.0					
		NR C OF CHIAPAS, MEXICO						
		PNS	eP	01 55 46				
			L	02 07 00				
		LPB	eL	02 07 00				39.2

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	19	USCGS	02 26 47, 24.0S, 66.8W, H = 218 Km, M = 3.9					
			SALTA PROVINCE, ARGENTINA					
		TRJ	iP	02 27 39.0	D			
		LPB	eP	02 28 32.5				7.7
			eS	30 00				
		PNS	P	02 28 38.6				
			S	30 05.9				
AUG	19	LPB	P	02 49 52		0.7	5.2	
AUG	19	LPB	P	02 59 31.5		0.9	11.9	
		PNS	P	02 59 33.2		1.2	49.4	
AUG	19	USCGS	03 10 04.2, 59.5N, 144.6W, H = 33 Km, M = 4.6					
			GULF OF ALASKA					
		PNS	eP	03 23 36				
			eL	56.5				
		LPB	eL	03 57 00				97.8
AUG	19	USCGS	04 15 45, 30.3N, 105.6W, H = 33 Km, M = 4.8					
			TEXAS-MEXICO BOR REG					
		PNS	eL	04 44.2				
AUG	19	PNS	iP	05 30 05.0	D			2.1
			S	30 29.9				
AUG	19	USCGS	06 16 10, 37.4N, 114.3W, H = 33 Km					
			S NEVADA					
		LPB	eP	06 27 12				69.1
			eL	49 00				
		PNS	eP	06 27 13				
			eL	48.9				
AUG	19	LPB	eP	06 42 32				
		PNS	eP	06 42 38.2				
AUG	19	LPB	P	08 22 10		0.7	5.2	
AUG	19	LPB	eP	08 33 19				2.3
			S	33 47.5				
		PNS	P	08 33 21.8	D	0.3	4.5	2.0
			S	33 45.6				
AUG	19	USCGS	08 38 22, 30.3N, 105.6W, H = 33 Km, M = 4.0					
			TEXAS-MEXICO BOR REG					
		LPB	eL	09 06 00				58.9

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	19	USCGS	09 21 09, 37.3N, 114.2W, H = 33 Km					
			S NEVADA					
		PNS	eP	09 32 08				
			eL	54 00				
		LPB	eP	09 32 10				69.0
			eL	54 00				
AUG	19	PNS	P	10 25 16.1		0.4	3.4	1.8
			S	25 37.8				
AUG	19	USCGS	10 51 38.5, 37.4N, 114.1W, H = 11 Km, M = 4.5					
			S NEVADA					
		LPB	eP	11 02 40				69.0
			eL	11 24 00				
		PNS	L	11 23.9				
AUG	19	TRJ	P	11 06 53.5	D			2.8
			S	07 27.2	D			
AUG	19	PNS	P	11 16 52.5	D			
			S	17 18.2				
		LPB	P	11 16 52.7		0.8	12.6	2.2
			S	17 18.7				
AUG	19	PNS	eP	11 18 09.3				
			S	19 19.2				
AUG	19	USCGS	11 23 13.5, 53.6N, 167.6W, H = 54 Km, M = 5.1					
			FOX IS, ALEUTIAN IS					
		LPB	eL	12 15 00				108.8
		PNS	eL	12 15.1				
AUG	19	USCGS	12 22 09.6, 39.2N, 41.7E, H = 26 Km, M = 6.1					
			TURKEY					
		PNS	PKP	12 40 51				
			PP	41 54.5				
			ePKS	44 29				
			SKS	47 47				
			ePS	51 32.3				
			eSS	57 50				
			eL	13 08.9				
			L	16.8				
		LPB	ePKP	12 40 54		1.4	48.0	115.1
			PP	41 54				
			PKS	44 29.5				
			eSKS	47 43				
			ePS	51 35				
			SS	57 54				
			eG	13 09 00				
			L	16.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	19	PNS	iP	12 48 09.0	C	1.1	208.8	
		LPB	iP	12 48 11.5	C	1.0	135.0	
		TRJ	iP	12 48 56.3	C			
AUG	19	USCGS	12 46 23.7, 36.4N, 141.7E, H = 28 Km, M = 5.5					
		NR E COAST OF HONSHU, JAPAN						
		LPB	PKP	13 06 04.7		1.0	38.0	147.2
			pPKP	06 25.7				
			eL	56 00				
		PNS	iP	13 06 05	D	0.9	34.2	
			eL	56 00				
		TRJ	PKP	13 06 22.7	C			
AUG	19	USCGS	13 54 24.9, 3.9N, 41.7E, H = 33 Km, M = 5.3					
		TURKEY						
		LPB	ePKP	14 13 08				110.2
		PNS	P	14 13 08.5		1.0	7.1	
			i	14 10.5				
AUG	19	USCGS	14 17 57.5, 39.2N, 41.1E, H = 47 Km, M = 5.1					
		TURKEY						
		PNS	ePKP	14 36 36				
			L	15 16.9				
		LPB	ePKP	14 36 38				114.9
AUG	19	PNS	P	17 55 01.8		0.3	5.8	2.0
			S	55 26				
AUG	19	USCGS	18 41 16, 39.1N, 41.4E, H = 33 Km, M = 4.9					
		TURKEY						
		LPB	eL	19 36 00				114.9
		PNS	L	19 36 00				
AUG	19	PNS	eP	21 25 49				
		LPB	P	21 25 55		0.8	7.0	
AUG	19	LPB	eP	22 50 13				
AUG	20	TRJ	iP	00 17 06.9	C			
AUG	20	LPB	P	00 19 33		0.9	10.2	
		PNS	eP	00 19 38				
			eS	22 05				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	20	TRJ	P	00 51 45.5	C			2.5
			IS	52 15.8	D			
AUG	20	PNS	eP	01 48 20				
		LPB	eP	01 48 27				
AUG	20	PNS	e(P)	02 34 39.2				
		LPB	eP	02 34 42				
AUG	20	PNS	P	02 48 17		1.2	10.7	
		LPB	P	02 49 29		0.6	4.8	
AUG	20	TRJ	P	02 59 08.6	D			2.0
			S	59 32.5				
AUG	20	LPB	eP	03 17 08				
AUG	20	PNS	P	03 35 49		0.4	3.2	2.0
			S	36 13.3				
AUG	20	PNS	eP	03 46 18.9		0.4	2.7	
			i	46 53.0				
		LPB	eP	03 46 22				
			i	46 55.5				
AUG	20	LPB	P	03 49 48		1.1	9.2	
		PNS	P	03 49 51		0.9	14.4	4.3
			eS	50 41.6				
AUG	20	PNS	P	03 51 59.9				1.8
			S	52 21.6				
AUG	20	PNS	eP	06 13 57.6				
			(S)	14 56				
		LPB	eP	06 14 05				
AUG	20	USCGS	06 36 05, 30.3N, 105.6W, H = 33 Km, M = 4.7					
		TEXAS-MEXICO BOR REG						
		LPB	eP	06 46 07				59.0
		PNS	eL	07 04.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	20	USCGS	07 43 27.6, 3.2S, 72.2W, H = 116 Km, M = 5.6					
			PERU-ECUADOR BOR REG					
		PNS	eP	07 47 00				
			i	47 06.0				
			S	50 12.8				
			eL	51 00				
		LPB	eP	07 47 05				16.8
			i(Pn)	47 10				
			S	50 13				
			eL	51.5				
		TRJ	iP	07 48 14.3	C			
AUG	20	PNS	P	08 27 31.4		0.3	4.6	1.9
			S	27 55				
AUG	20	USCGS	08 26 60, 22.6N, 143.0E, H = 173 Km, M = 4.7					
			VOLCANO IS REG					
		PNS	PKP	08 46 28.6	D	0.9	15.7	
			i	46 33.6				
			pPKP	47 10.6				
			eL	09 38 00				
		LPB	PKP	08 46 29		1.0	8.0	150.0
			i	46 33.8				
			pPKP	47 11				
			eSS	09 08 28				
			eL	38				
AUG	20	PNS	eP	09 19 47.5				
		LPB	eP	09 19 48				
AUG	20	USCGS	09 32 31.7, 43.1N, 140.6E, H = 161 Km, M = 5.8					
			HOKKAIDO, JAPAN REG					
		PNS	iPKP	09 51 48.0		0.6	9.2	
			PKS	55 14.8				
			L	10 40.1				
		LPB	PKP	09 51 48.5	D	0.9	24.0	144.1
			i	51 51.5				
			PKS	55 16				
			eL	10 40				
		TRJ	iPKP	09 52 01.5	C			
AUG	20	LPB	eP	10 03 19				
		PNS	eP	10 03 21.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	20	USCGS	11 31 20, 4.0S, 102.7E, H = 111 Km, M = 5.4					
			S SUMATRA					
		LPB	ePKP	11 51 03				157.4
			e	51 42				
			eL	12 45 00				
		PNS	ePKP	11 51 04				
			i	51 58.0				
			eL	12 45 00				
AUG	20	USCGS	11 59 12.1, 39.3N, 40.9E, H = 37 Km, M = 5.4					
			TURKEY					
		LPB	ePKP	12 17 52.5				114.8
			eSS	34 46				
			eL	54 00				
		PNS	ePKP	12 17 53				
			pPKP	18 03.3				
			iPKS	21 28.5				
			eL	53.9				
AUG	20	USCGS	12 05 49, 42.3N, 18.6E, H = 22 Km, M = 5.5					
			YUGOSLAVIA					
		LPB	eP	12 18 54				99.8
			SKS	28 50				
			eG	46 00				
			eL	53 00				
		PNS	eP	12 18 55.2				
			eG	46.2				
			eL	58 00				
AUG	20	USCGS	12 01 43, 39,0N, 40.9E, H = 33 Km, M = 5.4					
			TURKEY					
		LPB	ePKP	12 20 17.5				114.4
			eL	56 00				
		PNS	ePKP	12 20 18				
			e	22 59.4				
			eL	56.1				
AUG	20	LPB	P	15 35 41.5		1.1	16.0	
		PNS	P	15 35 44.5		0.9	14.5	
AUG	20	USCGS	15 58 56, 47.1N, 152.6E, H = 70 Km, M = 5.0					
			KURILE IS					
		LPB	ePKP	16 18 06				135.0
			eL	17 03 00				
		PNS	eL	17 02.5				
AUG	20	PNS	eP	18 10 51.2				3.5
			S	11 32.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	20	USCGS	19 08 21.4, 42.3N, 18.9E, H = 20 Km, M = 4,9					
		YUGOSLAVIA						
		LPB	ePKP	19 21 53				99.0
			eL	55 00				
		PNS	eP	19 21 54				
			eL	55 00				
AUG	20	TRJ	iP	21 54 38.7	C			
AUG	20	USCGS	22 55 03, 23.4S, 176.0W, H = 57 Km, M = 5.6					
		S OF FIJI IS						
		LPB	eP	23 08 40		1.6	55.0	99.0
			ePP	12 40				
			eSKS	19 12				
			SS	27 15				
			L	41.1				
		PNS	P	23 08 40.3		1.3	21.2	
			ePP	08 56				
			PP	12 44				
			SKS	19 10				
			SS	27 14				
			L	41.2				
AUG	20	PNS	P	23 19 47.4		0.8	11.7	
		LPB	P	23 19 47.5				
AUG	20	LPB	P	23 47 38.5		0.7	11.7	
		PNS	P	23 47 40.9		0.7	9.1	5.3
			S	48 42				
AUG	21	USCGS	00 15 04.1, 39.2N, 41.8E, H = 33 Km, M = 4.8					
		TURKEY						
		PNS	ePKP	00 33 46				
			eL	01 10.1				
		LPB	ePKP	00 33 49				115.7
AUG	21	USCGS	01 30 45.2, 40.3N, 27.4E, H = 33 Km, M = 4.9					
		TURKEY						
		PNS	ePKP	01 44 53				
			eL	02 21 00				
		LPB	ePKP	01 44 54				105.8
			eL	02 21 00				
AUG	21	TRJ	iP	02 41 32.7	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	21	PNS	P	03 16 00				2.8
			S	16 33.0				
		LPB	eP	03 16 03.5				
AUG	21	PNS	e(P)	03 24 54.2				
		LPB	eP	03 24 56				
AUG	21	LPB	P	04 35 24				
		PNS	P	04 35 28.4	D	0.4	3.7	
AUG	21	LPB	eP	04 42 04				
		PNS	eP	04 42 04				
			e(S)	43 02				
AUG	21	USCGS	05 00 26.8, 8.5N, 126.7E, H = 67 Km, M = 6.0					
		MINDANAO, P. I.						
		TRJ	iPKP	05 20 25.7	C			
		LPB	iPKP	05 20 26.2	C	1.4	120.0	163.2
			PKP2	21 15.7				
			PKS	23 36				
			PP	24 44				
			eSS	45 32				
			L	06 17.5				
		PNS	iPKP	05 20 26.4	C	1.6	203.7	
			pPKP	20 32.6				
			PKP2	21 16.4				
			PKS	23 35.7				
			PP	25 01.1				
			i	31 50				
			eSS	45 32				
			L	06 17.3				
AUG	21	PNS	P	06 56 00.8	C	0.8	13.9	
		LPB	P	06 56 06		1.1	13.2	
			i	56 09.5				
AUG	21	USCGS	08 48 07, 15.6S, 70.3W, H = 240 Km, M = 4.0					
		S PERU						
		PNS	iP	08 48 48.8	D			
			iS	49 20				
		LPB	iP	08 48 53.0	D	0.8	175.0	2.2
			iS	49 27				
		TRJ	iP	08 49 59.4	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	21	USCGS	09 39 20, 4.1S, 79.1W, H = 118 Km, M = 4.3					
			PERU-ECUADOR BOR REG					
		PNS	eP	09 42 59				
			i	43 35.4				
			eL	46.9				
		LPB	eP	09 43 01				16.2
			eL	47 00				
AUG	21	PNS	eP	10 50 05.5				
			(S)	50 58				
		LPB	eP	10 50 17				
AUG	21	LPB	eP	11 51 41		1.0	10.0	
		PNS	P	11 51 46.2		0.4	2.6	
AUG	21	LPB	eP	12 49 50				
		PNS	eP	12 49 57				
AUG	21	USCGS	13 55 13, 7.3S, 129.4E, H = 128 Km					
			BANDA SEA					
		LPB	PKP	14 14 54	C	1.2	54.5	150.8
			eL	15 07 00				
		PNS	iPKP	14 14 54.3	C	1.0	30.2	
			eSS	38 00				
			eL	15 06.9				
AUG	21	TRJ	P	14 15 47.1	C			
AUG	21	TRJ	iP	15 08 51.3	D			2.7
			iS	09 23.9	D			
AUG	21	PNS	eP	16 07 44				3.4
			S	08 24				
AUG	21	USCGS	18 34 01, 41.8N, 43.5E, H = 33 Km					
			TURKEY-USSR BOR REG					
		LPB	eL	19 29 00				117.1
AUG	21	PNS	P	19 11 20.6		0.6	6.0	
			e(S)	17 14				
		LPB	eP	19 11 22				
			i	11 44.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	21	USCGS	20 25 36.2, 28.9N, 132.0E, H = 34 Km, M = 5.4					
			E OF RYUKYU IS					
		PNS	ePKP	20 45 31.8		1.0	16.0	
			eSS	21 09 30				
			eL	40.1				
		LPB	ePKP	20 45 32				157.6
			eL	21 40 00				
AUG	21	USCGS	21 27 50, 4.7S, 12.2W, H = 33 Km, M = 4.5					
			N OF ASCENSION IS					
		LPB	eP	21 37 27				56.2
			eL	55 00				
		PNS	eP	21 37 29.4		0.8	6.2	
			L	53.9				
AUG	22	PNS	eP	01 08 07				2.9
			S	08 42				
AUG	22	PNS	e(P)	01 45 00.4				
		LPB	eP	01 45 35				
AUG	22	PNS	P	02 40 14.7				2.5
			S	40 44.6				
		LPB	eP	02 40 24		0.9	15.3	
			e(S)	40 57.2				
AUG	22	PNS	iP	02 46 11.5	D	0.5	8.1	2.5
			iS	46 42				
		LPB	eP	02 46 12				2.5
			S	46 42				
AUG	22	LPB	eP	04 37 55				
		PNS	eP	04 37 59.4				
			e(S)	39 08				
		TRJ	iP	04 38 24.2	C			
AUG	22	TRJ	P	05 13 44.2	C			
			eS	14 18.1	D			
AUG	22	PNS	eP	08 27 08				2.1
			S	27 33				
		LPB	eP	08 27 34				
AUG	22	USCGS	08 27 30.2, 37.3N, 114.2N, H = 33 Km, M = 4.8					
			S NEVADA					
		PNS	eP	08 38 31.5				
			eL	09 00 00				
		LPB	eP	08 38 35				69.1

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	22	TRJ	eP	08 49 32.5	D			2.4
			iS	50 01.7	C			
AUG	22	LPB	eP	09 56 11				
		TRJ	eP	09 56 39.7	C			2.9
			eS	57 14.4	D			
AUG	22	PNS	eP	10 52 25.6				
			S	53 19.2				
		LPB	P	10 52 26.5		0.6	10.8	4.8
			S	53 21				
AUG	22	USCGS	11 10 13, 53.8N, 163.8W, H = 35 Km, M = 4.5					
		UNIMAK IS REG						
		LPB	eP	11 24 19				106.8
			eL	12 01 00				
		PNS	eL	12 00.5				
AUG	22	TRJ	P	12 19 56.1	D			2.0
			S	20 20.4				
AUG	22	USCGS	14 21 13.7, 50.3N, 147.6E, H = 628 Km, M = 5.2					
		SEA OF OKHOTSK						
		PNS	iPKP	14 39 26.2	C	0.9	52.0	
			iPP	41 58.6				
			eSKS	46 35				
			SS	15 00 10				
			eL	15 00				
		LPB	PKP	14 39 26.5	C	1.0	58.0	136.0
			PP	41 59.7				
			eL	25 00				
		TRJ	P	14 39 33.1	C			
AUG	22	USCGS	17 00 57.2, 22.5S, 70.4W, H = 59 Km, M = 4.9					
		NR C OF N CHILE						
		TRJ	iP	17 02 17.1	C			
		LPB	P	17 02 31.5	C	0.9	18.7	6.2
			S	03 17.5				
		PNS	iP	17 02 33.6	C	0.4	26.0	
			S	03 15.8				
			L	03.9				
AUG	22	PNS	P	17 13 41.0		0.5	3.7	3.6
			iS	14 23.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	22	USCGS	17 02 03.5, 1.8S, 134.2E, H = 13 Km, M = 5.9					
		W NEW GUINEA						
		PNS	iPKP	17 21 55.4	C	1.6	115.8	
			i	22 01.7				
			PKP2	22 09.2				
			PP	25 38.6				
			eSKS	28 43				
			PS	36 00				
			eSS	46 27				
			eL	18 13 00				
		LPB	PKP	17 21 56		1.6	85.0	151.0
			iPKP2	22 09.2				
			PP	25 38				
			eSKS	28 44				
			ePS	36 12				
			eSS	46 28				
			eL	18 13 00				
AUG	22	PNS	P	17 32 31.6	D	0.5	3.6	7.8
			S	33 59.5				
AUG	22	USCGS	17 42 10.6, 22.4S, 170.6E, H = 39 Km, M = 5.5					
		LOYALTY IS REG						
		LPB	ePKP	18 00 44				110.8
			SKS	07 30				
			(PS)	09 14				
			SS	16 50				
			eL	35 00				
		PNS	PKP	18 00 44				
			ePPKP	00 54				
			i	01 29.0				
			ePS	10 45				
			iSS	16 46				
			eL	35 00				
AUG	22	USCGS	18 19 29, 1.9S, 134.0E, H = 45 Km					
		NEW GUINEA REGION						
		LPB	PKP	18 39 22.5		1.4	32.0	151.2
			eSS	19 02 35				
			eL	32 00				
		PNS	iPKP	18 39 22.8	C	1.0	20.2	
			i	39 27.9				
			pPKP	39 32.4				
			L	31.4				
AUG	22	PNS	iP	19 02 45.0	C	1.4	180.2	
		LPB	P	19 02 42.8		1.1	39.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	22	PNS	eP	19 11 15.5				
		LPB	eP	19 11 32				
AUG	22	USCGS	20 31 58.2, 22.5S, 170.5E, H = 33 Km, M = 5.2					
		LOYALTY IS REG						
		LPB	ePKP	20 50 33				111.1
			eL	21 25 00				
		PNS	ePKP	20 50 33				
			eL	21 25.4				
AUG	22	PNS	P	21 50 46.6		0.2	31.2	2.5
			iS	51 17.2				
AUG	22	USCGS	23 06 38, 0.8N, 26.6W, H = 33 Km, M = 4.7					
		CENTRAL MID-ATLANTIC RIDGE						
		LPB	P	23 14 48.0		0.9	23.0	48.1
			eS	22 14				
			eL	30 00				
		PNS	P	23 14 49.2	C	1.0	14.9	
			L	29.4				
AUG	22	PNS	P	23 22 22.8	D	0.3	3.4	
			(S)	22 48				
AUG	23	LPB	iP	00 54 28.7	D	0.5	24.6	1.8
			S	54 51.5				
		PNS	iP	00 54 29.6	D	0.3	169.6	
			S	54 53.6				
AUG	23	LPB	eP	01 39 10				
			e(S)	41 35				
			eL	43 00				
		PNS	P	01 39 45				
			i	39 55.9				
			e(S)	41 34				
			L	42.9				
AUG	23	PNS	P	02 17 43.7		0.8	7.3	
		LPB	eP	02 17 44				
AUG	23	PNS	eP	04 00 05				
		LPB	eP	04 00 33		1.0	8.0	
AUG	23	LPB	eP	04 05 08		1.0	8.0	
		PNS	P	04 05 10.2		1.0	12.1	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	23	TRJ	iP	05 26 39.5	C			
			(S)	27 01.1	C			
AUG	23	USCGS	05 46 30.0, 27.6N, 139.8E, H = 480 Km, M = 4.3					
		BONIN IS REG						
		PNS	P	06 05 30.9		0.7	5.3	
		LPB	P	06 05 32.0		0.8	5.6	151.8
AUG	23	USCGS	06 48 47, 49.2N, 128.2W, H = 33 Km, M = 4.4					
		VANCOUVER IS REG						
		PNS	eP	07 01 12.5				
			eL	30 00				
		LPB	eL	07 30 00				84.4
AUG	23	LPB	P	09 20 24.8				3.4
			S	21 04.4				
		PNS	eP	09 20 25.2		0.5	2.5	
			eS	21 01				
AUG	23	PNS	eP	10 51 55				
			e(S)	52 54				
		LPB	eP	10 52 09				
AUG	23	PNS	P	12 32 40.6		0.4	9.6	
		LPB	iP	12 32 47	D	0.9	46.0	
			(S)	33 15.5				
AUG	23	PNS	P	12 37 02.8		0.3	7.0	
		LPB	P	12 37 09.0	D	0.8	21.0	
AUG	23	PNS	P	14 20 30.0				
			S	20 52.8				
		LPB	iP	14 20 36.5	D	0.9	42.5	2.3
			S	21 04.8				
AUG	23	USCGS	15 02 55, 51.9N, 157.2E, H = 106 Km, M = 4.7					
		NR E COAST OF KAMCHATKA						
		PNS	ePKP	15 21 52				
			eL	16 04 00				
		LPB	eL	16 04 00				130.0
AUG	23	PNS	eP	17 00 51.6				
		LPB	eP	17 01 20				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	23	USCGS	18 22 16.7, 23.8N, 123.2E, H = 37 Km, M = 5.6					
		S W RYUKYU IS						
		LPB	PKP	18 42 23.2	C	1.0	26.0	167.0
			i	42 40				
			PKP2	43 25				
			ePP	47 22				
			eL	19 42 00				
		PNS	iPKP	18 42 23.3	C			
			pPKP	42 32.8				
			i	42 40.0				
			iPKP2	43 24.0				
			ePP	47 21				
			SS	19 08.6				
			eL	41.2				
AUG	23	USCGS	19 13 19, 51.9N, 176.2E, H = 50 Km, M = 4.2					
		RAT IS, ALEUTIAN IS						
		PNS	ePKP	19 32 03				
			SS	49 46				
			eL	20 09.9				
		LPB	ePKP	19 32 05				119.1
			eSS	49 43				
			L	20 10 00				
AUG	23	LPB	eP	20 48 17				0.2
			S	48 22				
AUG	23	USCGS	22 35 02, 16.3S, 173.2W, H = 33 Km, M = 5.0					
		TONGA IS						
		LPB	ePKP	22 49 15				108.0
			eL	23 26 00				
		PNS	eL	23 26 00				
AUG	24	LPB	eP	02 22 17				
		PNS	iP	02 22 22.4	C	0.8	8.3	
		TRJ	P	02 22 32.9	C			
AUG	24	PNS	e(P)	02 52 32				
			eS	54 43				
		LPB	eP	02 53 12				54.0
AUG	24	LPB	eP	03 59 28				3.6
			S	04 00 10				
		PNS	P	03 59 31.8		0.5	3.1	3.1
			S	04 00 18.2				
		TRJ	eP	04 00 19.0	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	24	PNS	P	04 04 50.0		0.7	5.3	
AUG	24	LPB	eP	04 11 19				
AUG	24	PNS	iP	04 22 01.6	D	0.5	49.8	
			iS	22 24.3				
		LPB	iP	04 22 01.8	D	0.8	25.0	1.9
			iS	22 24.5				
AUG	24	PNS	P	05 32 11.1		0.4	2.1	
AUG	24	LPB	iP	05 58 43.5	D	0.5	7.8	3.0
			eS	59 18.5				
		PNS	P	05 58 44.0	D	0.4	25.9	3.2
			S	59 22.0				
AUG	24	USCGS	06 51 15.8, 29.9N, 68.6E, H = 33 Km, M = 5.1					
		W PAKISTAN						
		LPB	ePKP	07 10 41.5				138.2
			eL	56 00				
		PNS	ePKP	07 10 42.7		1.2	10.4	
			eSS	31 45				
			eL	56 00				
AUG	24	USCGS	07 17 17.8, 19.9S, 69.2W, H = 100 Km, M = 5.5					
		N CHILE						
		PNS	iP	07 18 14.5	D	1.0	540.5	
			S	18 54				
		LPB	iP	07 18 16.5	D			3.5
			iS	19 00				
		TRJ	iP	07 18 25.4	C			
AUG	24	PNS	eP	08 11 48.7				3.6
			S	12 31				
AUG	24	LPB	P	08 37 21		1.0	20.0	
		PNS	P	08 37 22	C	0.6	6.0	
AUG	24	LPB	eP	10 32 44				
		PNS	P	10 32 53.2		0.5	4.9	
AUG	24	PNS	eP	10 39 47				
		LPB	P	10 39 53		0.8	9.8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	24	USCGS	12 08 25, 24.3S, 67.2W, H = 181 Km, M = 4.2					
		CHILE-ARGENTINA BOR REG						
		TRJ	iP	12 09 20.2	C			
		LPB	P	12 10 17.5		0.8	12.6	7.8
			S	11 46				
		PNS	eP	12 10 19.9		0.3	4.5	
			S	11 49				
AUG	24	TRJ	iP	12 59 33.4	D			
AUG	24	PNS	eP	13 57 41.4		1.2	11.6	
AUG	24	TRJ	iP	14 40 03.3	C			
AUG	24	USCGS	15 41 02, 7.7S, 74.3W, H = 145 Km, M = 4.3					
		PERU-BRAZIL BOR REG						
		PNS	P	15 43 26		0.8	5.0	
			S	45 42				
		LPB	P	15 43 31.5		0.8	16.8	10.9
			S	45 44				
AUG	24	PNS	P	16 19 30.1				2.0
			S	19 54.9				
AUG	24	PNS	P	17 18 55.2		0.3	9.0	
AUG	24	USCGS	20 10 08, 1.5S, 77.6W, H = 194 Km, M = 5.0					
		ECUADOR						
		PNS	P	20 13 56.9		1.1	25.9	
			S	17 10				
			L	19.6				
		LPB	P	20 14 02		0.9	46.0	17.8
			S	17 14.5				
			eL	19.5				
AUG	24	PNS	eP	20 22 12.7				2.9
			S	22 48				
AUG	24	PNS	eP	20 25 31				2.5
			e	26 01.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	25	USCGS	00 32 50, 32.1N, 132.3E, H = 34 Km, M = 4.4					
		SHIKOKU, JAPAN						
		PNS	ePKP	00 52 43.8				
			L	01 47.1				
		LPB	ePKP	00 52 46				156.1
			eL	01 48 00				
		CCH	ePKP	00 52 58.5				
AUG	25	CCH	eP	01 30 42.7				
		PNS	eP	01 30 55.4				
AUG	25	PNS	eP	01 58 26.5		1.0	6.9	
AUG	25	LPB	P	03 13 38.2	D	1.0	32.0	
		PNS	eP	03 13 40		0.9	7.0	
		CCH	eP	03 13 40.3				
AUG	25	LPB	P	04 56 40.8	D	1.0	16.0	
		PNS	P	04 56 43.1	D	1.0	6.1	
AUG	25	PNS	P	06 00 50.8		0.3	3.4	3.5
			iS	01 32.5				
		LPB	eP	06 00 56.5				
AUG	25	CCH	eP	06 11 48.6				
		LPB	eP	06 11 52				
		PNS	P	06 11 54.8		0.5	3.7	
AUG	25	PNS	P	08 23 50.0		0.5	4.3	
			e(S)	24 40				
		LPB	eP	08 23 56				
AUG	25	LPB	eP	08 28 49				
		PNS	P	08 28 50.6		0.9	5.9	
		CCH	eP	08 28 51.8				
AUG	25	PNS	P	11 05 23.2		0.6	7.5	1.9
			iS	05 46.7				
AUG	25	PNS	P	11 46 19.6		0.6	4.5	
		CCH	eP	11 46 35.08				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	25	USCGS	12 04 19, 12.5N, 89.2W, H = 69 Km, M = 4.5					
		OFF COAST OF CENTRAL AMERICA						
		LPB	eP	12 11 09				35.9
			eL	21 00				
AUG	25	LPB	P	13 56 51.2	D	1.1	46.0	
		PNS	eP	13 56 53.4		0.8	9.3	
			e(S)	57 30				
AUG	25	PNS	P	14 09 14.1		0.5	3.7	2.1
			S	09 39.6				
AUG	25	PNS	eP	14 33 02				
			(S)	34 44.5				
AUG	25	LPB	eP	15 09 05.5				
		CCH	eP	15 09 24.1				
AUG	25	USCGS	15 45 50, 37.5N, 114.3W, H = 33 Km					
		S NEVADA						
		LPB	eL	16 19 00				69.1
		PNS	L	16 19 00				
AUG	25	CCH	eP	20 06 14.1				
		PNS	eP	20 06 21.7		0.6	3.4	8.1
			S	07 53.2				
		LPB	eP	20 06 27				
			(S)	08 06.5				
AUG	25	USCGS	22 20 34.8, 22.5S, 68.6W, H = 115 Km, M = 4.4					
		N CHILE						
		CCH	P	22 21 59.6	C			
		LPB	P	22 22 03		0.8	19.6	5.9
			S	23 05				
		PNS	iP	22 22 06.0	D	0.7	45.4	
			S	23 07				
AUG	25	USCGS	23 18 50.8, 22.4S, 68.6W, H = 112 Km, M = 5.3					
		N CHILE						
		CCH	P	23 20 14.3	C			
		LPB	P	23 20 18.3	D	0.8	106.4	5.9
			iS	21 28				
			L	21.9				
		PNS	iP	23 20 21.7	D	0.9	333.4	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	26	USCGS	00 15 49.5, 22.5S, 68.6W, H = 116 Km, M = 4.5					
		N CHILE						
		TRJ	iP	00 16 49.4	C			
		CCH	P	00 17 13.7	C			
		LPB	P	00 17 18				5.9
			i	17 20				
			iPP	17 35.5				
			S	18 15				
		PNS	P	00 17 20.8		0.7	13.2	
			S	18 14.6				
AUG	26	USCGS	23 58 56, 10.4S, 161.7E, H = 32 Km, M = 5.2					
		SOLOMON IS						
		PNS	iPKP	00 17 56.0	D	1.2	228.0	
			pPKP	17 10.0				
			eSS	36 22				
			eL	57 00				
		LPB	eSS	00 36 13				123.8
			eL	57 00				
AUG	26	USCGS	00 51 51.3, 27.5S, 177.3N, H = 59 Km, M = 5.7					
		KERMADEC IS						
		LPB	eP	01 05 15				98.9
			eSS	23 32				
			eL	38 00				
		PNS	eP	01 05 26.5				
			eSKS	16 10				
			eSS	32.3				
			L	37.9				
AUG	26	LPB	eP	02 36 19				0.3
			S	36 25.5				
AUG	26	USCGS	03 05 18, 7.0S, 67.4W, H = 120 Km, M = 4.3					
		LA RIOJA PROVINCE, ARGENTINA						
		TRJ	P	03 07 10.6	C			
		LPB	eP	03 08 12				12.2
			eL	11.5				
		CCH	eP	03 08 12.6				
		PNS	eP	03 08 14.5				
			eS	10 18				
			eL	11.5				
AUG	26	LPB	P	03 16 09.2		0.8	11.2	
			(S)	17 06.5				
		PNS	P	03 16 09.5		0.8	11.7	
		CCH	P	03 16 11.1	D			
		TRJ	eP	03 16 49.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	26	CCH	P	03 23 16.7	D			
		PNS	iP	03 23 40.0	C	0.3	4.5	
			(S)	24 27.2				
		TRJ	P	03 24 12.1	C			
AUG	26	PNS	eP	04 46 43.2				
		LPB	eP	04 46 47		1.0	8.0	
AUG	26	USCGS PORTUGAL	05 56 24.3, 38.1N, 8.4W, H = 33 Km, M = 4.7					
		CCH	eP	06 08 20.2				
		PNS	eP	06 08 22				
			eL	33.1				78.1
		LPB	eP	06 08 23				
			eL	33 00				
AUG	26	PNS	eP	06 44 22.8				
		LPB	eP	06 44 25		0.9	6.8	
AUG	26	LPB	eP	07 54 02				
AUG	26	TRJ	P	08 53 02.9	C			
AUG	26	USCGS LOYALTY IS REG	09 06 50.4, 22.1S, 170.0E, H = 33 Km, M = 5.6					
		LPB	ePKP	09 25 30				111.3
			PS	35 26				
			eSS	41 43				
			L	58.7				
		PNS	ePKP	09 25 31				
			iPS	35 39.0				
			SS	41 45				
			G	52 45				
			L	58.8				
AUG	26	LPB	eP	09 35 48.5				
AUG	26	USCGS ALASKA	10 19 34.8, 67.1N, 161.9W, H = 14 Km, M = 5.2					
		PNS	ePKP	10 33 42				
			L	11 09.9				107.0
		LPB	eL	11 10 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	26	USCGS NR COAST OF PERU	14 37 26, 13.6S, 76.8W, H = 49 Km, M = 4.4					
		PNS	eP	14 39 29.3				
			eS	41 10				
		LPB	eP	14 39 35				9.0
			S	41 14				
		CCH	eP	14 39 59.4				
AUG	26	PNS	eP	21 39 43.7				
			eS	40 47.4				
		LPB	eP	21 40 22.5				
AUG	26	USCGS CHILE-ARGENTINA BOR REG	22 53 42, 24.9S, 68.3W, H = 120 Km, M = 4.5					
		CCH	P	22 55 32.9	D			
		LPB	iP	22 55 40.5		0.8	22.4	8.7
			eS	57 14				
		PNS	iP	22 55 44.4	C	0.9	70.1	
			eS	57 16				
AUG	27	PNS	eP	00 20 18.9		0.7	4.0	
AUG	27	PNS	P	00 44 51.2		0.8	6.2	
AUG	27	USCGS PERU	00 59 35, 11.5S, 76.5W, H = 122 Km, M = 4.6					
		PNS	P	01 01 46.0		0.7	27.6	
			eS	03 13				
			eL	04.3				
		LPB	eP	01 01 49		1.0	20.0	9.1
			i	01 53				
			S	03 15.5				
			eL	05 00				
		CCH	P	01 02 18.4	C			
		TRJ	eP	01 03 01.1				
AUG	27	TRJ	iP	01 29 33.5	C			
			S	30 05.8				
		LPB	P	01 30 02		0.9	15.3	
			(S)	31 09.5				
		PNS	iP	01 30 06.7	C	0.5	13.4	5.0
			S	31 05.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	27	USCGS	02 36 33, 3.2S, 128.2E, H = 170 Km, M = 5.6					
		N OF HALMAHERA						
		LPB	ePKP	02 56 13				159.0
			ipPKP	56 55				
			eL	03 51 00				
		PNS	ePKP	02 56 13.9				
			ipPKP	56 54.8				
			eL	03 51 00				
		TRJ	ePKP	02 56 15.3	C			
		CCH	ePKP	02 56 58.3				
AUG	27	TRJ	P	03 11 17.3	C			2.5
			S	11 47.6				
AUG	27	USCGS	03 02 33, 23.6S, 175.8W, H = 63 Km, M = 4.9					
		TONGA IS REG						
		PNS	eL	03 48.9				
		LPB	eL	03 49 00				99.0
AUG	27	PNS	iP	03 29 34.7	C	0.4	31.0	
			iS	30 17.2				
		LPB	P	03 29 40.0	C	1.0	26.0	4.0
			S	30 26				
		CCH	P	03 30 06.1	D			
		TRJ	P	03 30 48.2	D			
AUG	27	LPB	P	04 26 27		0.8	9.8	
		CCH	eP	04 26 28.9				
		PNS	eP	04 26 29.1				
			eS	27 20				
AUG	27	USCGS	04 35 48, 5.8N, 125.9E, H = 119 Km, M = 5.5					
		MINDANAO, P.I.						
		LPB	PKP	04 55 40.3		1.1	11.5	162.8
			pPKP	56 30.0				
			eL	05 53 00				
		PNS	PKP	04 55 40.3		1.1	18.6	
			PKP2	56 26				
			ipPKP	56 30.1				
			eL	05 52.9				
AUG	27	PNS	eP	05 23 12.0				
			eS	24 03.6				
		LPB	eP	05 23 19		0.9	5.1	5.0
			S	24 17.3				
AUG	27	LPB	eP	06 32 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	27	USCGS	11 23 50, 11.7N, 140.5E, H = 33 Km, M = 4.3					
		W CAROLINE IS						
		LPB	ePKP	11 43 44		1.0	12.0	151.8
			eL	12 35 00				
		PNS	ePKP	11 43 44.1		0.8	8.7	
			epPKP	43 54				
			eL	12 35				
AUG	27	LPB	P	11 53 49				4.0
			S	54 35				
		PNS	iP	11 54 08.3	D	0.4	43.4	
			S	54 31.2				
AUG	27	LPB	eP	12 49 20				
AUG	27	USCGS	12 58 56.3, 39.5N, 141.1E, H = 95 km					
		HONSHU, JAPAN						
		PNS	PKP	13 18 25.4		1.1	12.4	
			pPKP	18 51.4				
			eL	14 08 00				
		LPB	PKP	13 18 26				146.1
			pPKP	18 52.2				
			eL	14 08 00				
		CCH	ePKP	13 18 57.0				
AUG	27	PNS	iP	13 58 02.4	D	0.4	15.5	1.8
			iS	58 24.7				
		LPB	P	13 58 30		0.8	9.8	
AUG	27	USCGS	15 16 35, 19.3S, 67.7W, H = 241 Km, M = 3.9					
		S BOLIVIA						
		CCH	iP	15 17 16.5	D			
		LPB	iP	15 17 23.8	C	0.5	360.0	2.9
			iS	18 02				
		PNS	iP	15 17 29.9	C	0.6	322.5	
			S	18 08.4				
		TRJ	iP	15 17 30.1	C			
AUG	27	USCGS	15 42 52, 10.8S, 79.1W, H = 33 Km, M = 4.1					
		OFF COAST OF PERU						
		PNS	eP	15 45 46.2				
			eS	47 47.6				
			eL	49 00				
		LPB	eP	15 45 48				11.9
			S	47 48				
			L	50 00				
		CCH	eP	15 46 07				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	27	USCGS	17 10 44, 13.9N, 123.6E, H = 13 Km, M = 4.9					
			LUZON, P.I.					
		PNS	ePKP	17 30 54.8				
			PKP2	32 07.2				
			eL	18 30 00				
		LPB	ePKP	17 30 55				168.4
			PKP2	32 07.5				
			eL	18 30 00				
AUG	27	CCH	P	17 43 43.8	D			
		LPB	eP	17 44 46				
		PNS	eP	17 44 46.6				
AUG	27	USCGS	17 51 48, 26.1S, 179.5E, H = 513 Km					
			S OF FIJI IS					
		PNS	eG	18 32.5				
			i	35 17.0				
			L	39 00				
		LPB	eL	18 39 00				101.9
AUG	27	USCGS	18 51 49, 37.4N, 114.4W, H = 33 Km					
			S NEVADA					
		LPB	eP	19 02 38				69.1
		PNS	eP	19 02 51.4				
			eL	24.2				
AUG	27	PNS	P	19 08 51.6				
			e	08 52.2				
AUG	27	LPB	eP	19 40 05				
		PNS	eP	19 40 05.2				
			eS	41 13.2				
		CCH	eP	19 40 19.1				
AUG	28	LPB	P	00 23 10.5		1.0	10.0	
AUG	28	USCGS	04 09 24.3, 36.6N, 138.1E, H = 24 Km, M = 4.5					
			HONSHU, JAPAN					
		LPB	ePKP	04 29 12				149.3
			pPKP	29 21.5				
			eL	05 20 00				
		PNS	ePKP	04 29 13.2				
			PKP2	29 18.5				
			ePP	32 52.5				
			eSS	51 04				
			eL	05 20.2				
		CCH	ePKP	04 29 25.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	28	TRJ	P	04 13 29.2	D			
			S	14 02.6	D			2.8
AUG	28	PNS	iP	06 43 56.5	D	0.4	8.1	
			S	44 27.8				
		LPB	iP	06 43 57	D	0.5	11.7	2.5
			S	44 27				
AUG	28	USCGS	07 29 34.7, 35.8S, 178.5E, H = 94 Km, M = 5.8					
			OFF E COAST OF NORTH IS, N.Z.					
		LPB	eP	07 43 03				98.0
			ePP	47 05.5				
			eSKS	53 37				
			eL	08 02 00				
		PNS	P	07 43 03.3				
			ePP	43 22.5				
			iPP	47 05.3				
			iSKS	53 30.0				
			eS	54 50.6				
			PS	55 58				
			L	08 16 00				
AUG	28	PNS	eP	07 53 24				
		LPB	eP	07 53 28				
AUG	28	TRJ	P	08 06 18.5	D			
			S	06 53.5	D			2.9
AUG	28	TRJ	P	08 17 19.1	C			
AUG	28	PNS	P	10 08 11.4		1.0	9.3	
AUG	28	USCGS	10 03 03, 4.6S, 155.2E, H = 509 Km, M = 5.6					
			SOLOMON IS					
		LPB	ePKP	10 21 03		1.2	10.2	132.1
			i	21 22				
			PP	23 24.5				
			i	24 03				
			ePKS	24 22				
			eSS	41 28				
			eL	11 04 00				
		PNS	PKP	10 21 03.3		1.0	11.3	
			i	21 21.6				
			iPP	23 22.2				
			i	24 02.7				
			PKS	24 21				
			i	24 51.1				
			eL	11 04 00				
		CCH	ePKP	10 21 09.3				
		TRJ	iPKP	10 21 24.1	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	28	USCGS	10 43 01, 36.3N, 70.9E, H = 173 Km, M = 4.9					
			HINDU KUSH REG					
		PNS	PKP	11 02 07.6				
			pPKP	02 56.8				
			eL	49 00				
		LPB	ePKP	11 02 08				139.1
			eL	49 00				
AUG	28	CCH	eP	11 12 44.7				
AUG	28	PNS	eP	13 45 17.4				
		LPB	eP	13 45 25				
AUG	28	USCGS	13 29 15, 51.7N, 176.8E, H = 66 Km, M = 4.8					
			RAT IS,ALEUTIAN IS					
		LPB	eL	14 26 00				118.9
		PNS	eL	14 26 00				
AUG	28	LPB	eP	14 49 36				
			e(S)	50 30				
		PNS	eP	14 49 40.2				
			eS	50 22.2				
		CCH	eP	14 49 48.1				
AUG	28	LPB	eP	15 50 15				
		PNS	P	15 50 18.4		0.7	5.3	3.6
			S	51 00.6				
		CCH	eP	15 50 22.6				
AUG	28	USCGS	15 36 18.5, 36.6N, 138.2E, H = 17 Km, M = 5.0					
			HONSHU, JAPAN					
		PNS	PKP	15 56 08.4		1.5	56.0	
			epPKP	56 18				
			L	16 46.4				
		LPB	PKP	15 56 09.5		1.2	26.0	149.1
			eL	16 47 00				
		CCH	ePKP	15 56 18.4				
AUG	28	CCH	eP	15 57 20.1				
		LPB	P	15 57 20.6		1.0	68.0	
			S	58 04				
		PNS	iP	15 57 22.8	C	1.2	41.2	
			eS	58 05				
AUG	28	USCGS	18 56 19, 13.7N, 120.7E, H = 110 Km, M = 5.1					
			MINDORO, P.I.					
		PNS	ePKP	19 16 19.9				
			PKP2	17 39.9				
			eL	20 07 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		LPB	ePKP	19 16 20				
			eL	20 07 00				171.5
AUG	28	USCGS	19 35 56.0, 19.8N, 64.2W, H = 51 Km, M = 3.9					
			VIRGIN IS					
		PNS	eP	19 42 55.5				
AUG	28	USCGS	20 03 35.4, 35.9N, 139.7E, H = 66 Km, M = 4.7					
			NEAR S COAST OF HONSHU, JAPAN					
		PNS	PKP	20 23 15.4		1.0	15.2	
			L	21 13.7				
		LPB	PKP	20 23 15.6		0.9	8.5	148.4
			eL	21 21 00				
		CCH	ePKP	20 23 19.3				
AUG	28	PNS	eP	20 35 45.4				
			S	36 59				6.5
		LPB	eP	20 36 03				
		CCH	eP	20 36 11.2				
AUG	28	PNS	iP	20 43 44.6	D	0.4	142.2	
			S	44 07				1.8
		LPB	iP	20 43 46.0	D	0.8	5.9	
			(S)	44 12.2				
		CCH	eP	20 44 06.9				
AUG	28	PNS	eP	21 30 54.4				
			S	31 45				
		LPB	eP	21 30 58		0.9	10.2	
			S	32 08				6.1
AUG	28	USCGS	22 30 55.1, 2.3N, 128.4E, H = 75 Km					
			HALMAHERA					
		PNS	ePKP	22 50 42.8				
			PP	54 58				
			i	23 02 40				
			eSS	15 07				
			eL	45.5				
		LPB	ePKP	22 50 43				
			eL	23 46 00				158.2
AUG	29	LPB	P	01 01 09.7		1.2	31.0	
			i(Pg)	01 16.9				4.8
			S	02 04.8				
		PNS	eP	01 01 10.3				
			i	01 17.2				
			iS	02 04				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	29	LPB	eP	01 30 10.5		0.6	4.2	
		PNS	P	01 30 23		0.9	10.3	4.4
			iS	31 04.3				
AUG	29	LPB	eP	02 02 18.5		0.9	6.8	
		PNS	eP	02 02 21		0.5	3.1	
			eS	03 00				
AUG	29	PNS	P	02 42 11.3		0.9	8.8	
AUG	29	PNS	eP	03 21 59.0		0.9	7.3	
AUG	29	LPB	iP	03 53 23.0	D	0.8	18.2	
			(S)	54 25.5				
		PNS	P	03 53 29.0	D	0.6	9.3	6.9
			S	54 47				
AUG	29	USCGS	05 48 11, 18.6S, 71.5W, H = 40 Km, M = 4.6					
		OFF COAST OF N CHILE						
		PNS	iP	05 49 07.6	C	0.8	10.4	
			S	50 07.7				
		LPB	iP	05 49 09.7	C	1.1	236.0	3.5
			S	50 10				
AUG	29	USCGS	08 05 22, 20.6S, 69.5W, H = 115 Km, M = 4.2					
		N CHILE						
		LPB	iP	08 06 27.7		1.0	18.0	4.4
			i	06 30.7				
			S	07 15				
		PNS	P	08 06 28.5	C	0.5	6.2	
			S	07 17				
AUG	29	LPB	eP	09 09 00		0.4	2.6	
		PNS	P	09 09 04.3				
AUG	29	PNS	P	09 34 04.4		0.4	2.6	1.7
			S	34 27.8				
AUG	29	PNS	eP	12 12 16				
AUG	29	USCGS	12 10 25.5, 33.0N, 137.8E, H = 338 Km, M = 4.0					
		S OF HONSHU, JAPAN						
		PNS	ePKP	12 29 37.4				
			PKP2	29 52.5				
			eL	13 21 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	29	USCGS	13 10 27, 65.2S, 176.9E, H = 33 Km, M = 5.5					
		BALLENY IS REG						
		CCH	eP	13 22 57.1				
		LPB	eP	13 23 02		1.0	16.0	85.0
			S	33 20				
			L	50 00				
		PNS	iP	13 23 03.3	C	2.0	101.3	
			ipP	23 11.6				
			eL	50 00				
AUG	29	USCGS	13 28 18, 46.5N, 152.6E, H = 33 Km, M = 5.5					
		KURILE IS						
		CCH	eP	13 47 08.7				
		PNS	ePKP	13 47 35				
			eL	14 31.9				
		LPB	ePKP	13 47 36				135.0
			eL	14 32 00				
AUG	29	LPB	eP	14 45 40		1.0	14.0	
			S	46 09.5				
		PNS	iP	14 45 40.1	D	0.4	4.8	2.3
			S	46 08.0				
		CCH	eP	14 45 52.0				
AUG	29	LPB	eP	16 15 09		0.5	10.4	
			S	15 48.2				
		PNS	P	16 15 12.0		0.4	10.1	2.2
			S	15 38.1				
		CCH	eP	16 15 23.0				
AUG	29	PNS	eP	16 38 08.2		0.7	4.4	1.4
			S	38 26.3				
AUG	29	PNS	P	17 34 18.0	D	0.3	7.8	3.7
			S	35 01				
AUG	29	USCGS	17 35 25, 13.6N, 90.8W, H = 33 Km, M = 3.9					
		NEAR COAST OF GUATEMALA						
		CCH	eP	17 42 14.3				
		LPB	eP	17 42 30				38.0
			eL	54 00				
		PNS	eP	17 42 41				
			eL	54 00				
AUG	29	LPB	eP	19 29 29.5		0.7	7.8	1.2
			S	29 44.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	29	USCGS	19 31 24, 6.8N, 82.2W, H = 28 Km, M = 5.1					
		S OF PANAMA						
		PNS	iP	19 36 52.8	C	1.0	20.3	
			S	41 04.7				
			L	44 50				
		LPB	eP	19 37 07				27.0
			eS	41 25				
			eSS	42 25				
			eL	45 00				
		CCH	eP	19 37 12.4				
AUG	29	PNS	P	22 33 37.0	C	0.4	6.4	2.9
			S	34 12				
AUG	29	USCGS	22 30 22.8, 56.3N, 153.1W, H = 33 Km, M = 4.7					
		KODIAK IS REG						
		LPB	eP	22 44 10				101.0
			eL	23 19 00				
		PNS	eL	23 19 00				
AUG	29	CCH	eP	23 09 39.3				
		PNS	P	23 09 50.4				4.0
			S	10 38				
AUG	29	CCH	eP	23 24 18.2				
		LPB	P	23 24 28.8		0.5	15.6	3.6
			S	25 11.2				
		PNS	P	23 24 32.7		0.3	9.9	
AUG	30	CCH	iP	00 53 43.4	D			
		LPB	iP	00 54 58.7	D	0.8	35.0	7 3
			S	56 22.5				
		PNS	iP	00 55 02.8	D	0.7	111.1	
			iS	56 31.1				
AUG	30	PNS	eP	04 30 31.2				
		LPB	eP	04 30 33				
AUG	30	PNS	P	05 35 47.5	D	0.7	8.9	
AUG	30	USCGS	05 29 47, 14.6N, 92.2W, H = 69 Km, M = 4.6					
		NEAR COAST OF CHIAPAS, MEXICO						
		PNS	P	05 37 06		1.4	40.0	
			pP	37 21.6				
			eL	48 00				
		LPB	P	05 37 08.5		1.0	8.0	39.3
		CCH	P	05 37 24.0				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	30	USCGS	06 10 33.4, 51.7N, 104.4E, H = 33 Km, M = 5.0					
		LAKE BAIKAL REGION						
		PNS	PKP	06 30 05.6		1.1	15.1	
			eL	07 19 00				
		LPB	PKP	06 30 06	C	1.0	9.0	144.7
			eL	07 19 00				
		CCH	P	06 30 08.3	D			
AUG	30	PNS	eP	07 07 48				
AUG	30	PNS	P	12 20 54.4	D	0.3	4.9	2.7
			S	21 26.8				
AUG	30	USCGS	12 40 27.5, 13.4N, 120.7E, H = 81 Km, M = 5.5					
		MINDORO, P.I.						
		LPB	PKP	13 00 25.5		1.5	41.5	171.3
			ePcPPKP	09 40				
			eSS	26 48				
			eL	14 01 00				
		PNS	ePKP	13 00 27				
			i	00 30.8				
			ipPKP	00 43.5				
			ePKS	03 56.8				
			ePP	05 35.6				
			ePcPKP	09 40.5				
			L	14 00 00				
AUG	30	PNS	eP	13 42 38.8		0.8	6.5	4.7
			i	42 45.0				
			S	43 34				
		LPB	eP	13 42 43	C	1.0	22.0	
			Pg	42 48				
			eS	43 34				
		CCH	eP	13 43 08.3				
AUG	30	CCH	eP	13 47 41.4				
		PNS	P	13 47 49.2		1.2	19.1	
		LPB	eP	13 47 54				
AUG	30	USCGS	13 37 39, 17.7S, 173.3W, H = 33 Km, M = 4.8					
		TONGA IS						
		LPB	eP	13 51 12.5				97.8
		PNS	eL	14 24 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	30	LPB	eP	15 53 55		0.6	10.8	
			S	54 58.5				
		PNS	iP	15 53 57.4	D	0.6	5.6	
			S	55 00				
		CCH	P	15 54 23.2	D			
AUG	30	PNS	eP	17 53 03				
AUG	30	LPB	eP	18 29 32				
		CCH	eP	18 29 38				
AUG	30	TRJ	iP	19 17 44.2	D			
		CCH	eP	19 18 18.9				
		LPB	eP	19 18 34.5		0.8	8.4	6.0
			S	19 43.5				
AUG	30	LPB	eP	19 22 30				
		PNS	P	19 22 33.5		0.7	7.3	2.9
			S	23 08				
AUG	30	USCGS	19 42 44, 3.6N, 126.3E, H = 33 Km, M = 5.5					
		TALAUD IS						
		LPB	ePKP	20 02 44.5				160.5
			eL	59 00				
		PNS	L	20 58.8				
AUG	30	USCGS	20 20 54, 61.3N, 147.5W, H = 36 Km, M = 5.9					
		S ALASKA						
		PNS	P	20 34 30		1.0	7.2	
			L	21 09 00				
		LPB	eP	20 34 32				99.4
			eL	21 09 00				
		CCH	eP	20 34 36.6				
AUG	30	USCGS	20 23 18, 61.5N, 147.5W, H = 33 Km, M = 5.4					
		S ALASKA						
		LPB	eP	20 36 55				99.4
			eSS	47 56				
			eG	21 07.5				
			L	11 00				
		PNS	P	20 36 55				
			eSS	47 55				
			eG	21 07.6				
			L	11.5				
AUG	30	PNS	P	21 32 02.6	C	0.5	5.1	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	30	TRJ	iP	21 34 30.3	D			
		LPB	eP	21 35 10		0.6	9.6	
		PNS	iP	21 35 13.6	C	0.5	15.4	2.3
			S	35 41.7				
AUG	30	LPB	eP	22 45 45				
			S	46 38.5				
		PNS	iP	22 45 55.4	D	0.5	6.1	5.1
			S	46 54				
AUG	30	PNS	P	23 28 36.2				
		LPB	P	23 38 33.8		1.0	12.0	
AUG	30	USCGS	23 37 19, 18.7N, 107.0W, H = 54 Km, M = 5.3					
		OFF COAST OF JALISCO, MEXICO						
		PNS	iP	23 46 23.8	C	1.0	15.5	
			iPP	46 30.0				
			L	00 01.9				
		LPB	P	23 46 25		1.0	12.0	51.9
			ipP	46 32				
			eL	00 02 00				
		CCH	P	23 46 41.5	D			
AUG	31	CCH	P	00 40 18.9				
		PNS	P	00 40 49.2		0.4	4.3	3.4
			S	41 20.0				
AUG	31	USCGS	01 19 01, 36.5N, 71.4E, H = 80 Km, M = 5.0					
		AFGHANISTAN-USSR BOR REG						
		PNS	ePKP	01 38 16.7				
			eL	02 25 00				
		LPB	ePKP	01 38 20				139.4
			eL	02 25 00				
AUG	31	PNS	iP	02 22 53.9		0.3	15.3	
			S	23 19.8				
		LPB	iP	02 22 54.0		0.8	14.0	2.2
			S	23 20				
AUG	31	CCH	eP	02 38 38.4				
		LPB	P	02 38 48.2		1.1	92.0	
			i	39 11.5				
		PNS	P	02 38 50.5				
			i	38 52.4				
			i	39 08.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	31	USCGS	02 44 13, 19.4N, 104.1W, H = 33 Km, M = 4.1					
			NEAR COAST OF JALISCO, MEXICO					
		PNS	eP	02 53 05.4				
			L	03 07.6				
		LPB	eL	03 08 00				49.9
AUG	31	PNS	P	03 10 39.4		0.3	2.8	1.9
			S	11 03				
		LPB	eP	03 10 40				
AUG	31	LPB	eP	05 53 35				
		PNS	eP	05 53 35.5				
AUG	31	LPB	eP	07 47 23				
		PNS	P	07 47 49.9		0.9	7.7	
AUG	31	TRJ	iP	08 27 11.3	C			
		LPB	iP	08 28 02	C	0.7	23.5	
			S	29 30				
		PNS	iP	08 28 06.0	D	0.3	7.4	8.1
AUG	31	USCGS	08 59 15, 8.3S, 74.4W, H = 149 Km, M = 4.3					
			PERU-BRAZIL BOR REG					
		PNS	P	09 01 33.0		0.6	3.7	
			i	01 48.7				
			eS	03 24.8				
			eL	03.7				
		LPB	P	09 01 38.2	C	0.8	12.6	10.5
			i	01 54.5				
			S	03 27				
AUG	31	USCGS	09 56 50, 14.6S, 75.4W, H = 113 Km, M = 4.5					
			NEAR COAST OF PERU					
		PNS	iP	09 58 29.6	C	0.4	7.3	
			S	59 50.4				
			L	10 01.2				
		LPB	eP	09 58 34		0.5	9.0	7.0
AUG	31	PNS	eP	10 11 50.5		0.5	3.1	
AUG	31	PNS	P	10 16 02.4		0.4	4.3	
			(S)	16 25				
		LPB	eP	10 16 10				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	31	LPB	eP	10 39 43				
		PNS	eP	10 40 37.4		0.9	7.7	
AUG	31	PNS	eP	11 06 08.7				
			S	06 20.3				0.9
AUG	31	PNS	e(P)	12 12 02.3				
		LPB	eP	12 12 07				
AUG	31	LPB	eP	12 24 07				
		PNS	eP	12 24 10		1.5	4.6	
AUG	31	PNS	P	13 01 10.0		0.7	11.0	4.8
			S	02 04.9				
		LPB	eP	13 01 11				
			eS	02 20.5				
AUG	31	USCGS	15 35 30.4, 53.4N, 166.7W, H = 53 Km, M = 4.8					
			FOX IS, ALEUTIAN IS					
		LPB	eP	15 49 41				
			eL	16 26 00				108.1
		PNS	eP	15 49 42				
		CCH	eP	15 50 15.5				
AUG	31	USCGS	17 38 45, 41.9N, 142.0E, H = 33 Km, M = 5.1					
			HOKKAIDO JAPAN REGION					
		PNS	PKP	17 58 04.0				
		LPB	ePKP	17 58 05				144.0
AUG	31	PNS	eP	18 27 39				
		LPB	eP	18 27 49.5				
AUG	31	USCGS	18 15 40, 71.6N, 2.7W, H = 33 Km, M = 5.1					
			JAN MAYEN IS REG					
		PNS	eP	18 29 09				
		LPB	el	19 02 00				98.1
AUG	31	PNS	P	18 49 42.6		0.4	4.5	1.7
			iS	50 05.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
AUG	31	USCGS	19 39 09.5, 37.6S, 73.0W, H = 33 Km, M = 5.0					
		CENTRAL CHILE						
		CCH	iP	19 43 54.3	C			
		LPB	iP	19 43 58.3		0.9	35.7	21.3
		PNS	iP	19 44 04.0	C	1.0	28.7	
AUG	31	CCH	eP	21 35 25.2				
		LPB	eP	21 35 29.5		0.9	8.5	
			eS	42 52				
			L	50.7				
		PNS	eP	21 35 36.2		0.6	4.7	
AUG	31	LPB	eP	23 22 22				
		PNS	iP	23 22 35.4	D	0.5	7.0	2.1
			iS	22 50.4				
AUG	31	USCGS	23 36 08, 49.5S, 116.5W, H = 33 Km, M = 5.1					
		EASTER IS CORDILLERA						
		PNS	eP	23 45 08.4		1.6	114.6	
			S	52 34				
			L	00 00.2				
		LPB	eP	23 45 08.5		1.4	28.0	50.3
			eS	52 33				
			eL	00 00.3				
		CCH	eP	23 45 09.9				

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MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	1	LPB	iP	00 26 54.0	D	0.5	11.7	2.5
			S	27 24.6				
		PNS	iP	00 26 55.0	C	0.5	20.0	2.6
			iS	27 26.2				
		CCH	iP	00 27 05.7	C			
SEP	1	USCGS	01 38 29.9, 71.8N, 2.8W, H = 17 Km, M = 4.9					
		JAN MAYEN IS REG						
		LPB	eP	01 51 53				97.0
			eL	02 22 00				
		PNS	eL	02 24 00				
SEP	1	PNS	eP	02 26 27		1.3	16.1	
			e	26 32				
			L	41.7				
		LPB	P	02 26 28.5		0.9	3.4	
			eL	41.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	1	LPB	eP	03 07 10.2		0.6	3.6	
SEP	1	PNS	iP	06 07 56.9	C	0.3	29.4	1.8
			iS	08 18.9				
		LPB	iP	06 07 59.0		0.7	10.4	1.9
			S	08 22.5				
		CCH	iP	06 08 20.1	C			
SEP	1	PNS	P	08 27 09.7		0.8	8.3	
			i	27 17.0				
		LPB	eP	08 27 10				
SEP	1	LPB	P	09 12 34.7		0.9	11.9	
		PNS	iP	09 12 38.6	C	0.3	8.8	
			eS	13 31.8				
SEP	1	USCGS	08 57 14, 0.5S, 134.3E, H = 66 Km, M = 5.1					
		NEW GUINEA						
		PNS	PKP	09 17 00.6		1.0	9.6	
			PKP2	17 07.1				
			eSKS	24 00				
			eSS	39 36				
		LPB	PKP	09 17 01.0		1.0	8.0	148.0
			iPKP2	17 07.0				
			pPKP	17 20.6				
			ePP	20 36				
			eL	10 08 00				
		CCH	P	09 17 08.9	D			
SEP	1	PNS	P	09 36 12		0.8	5.1	
SEP	1	CCH	eP	10 02 50.0				
		LPB	eP	10 02 53				4.5
			S	03 45				
		PNS	P	10 02 56.4		0.5	2.1	4.4
			S	03 48				
SEP	1	PNS	iP	12 22 17.8	D	0.3	16.8	2.5
			S	22 47.5				
SEP	1	USCGS	12 35 33, 38.1N, 22.8E, H = 36 Km, M = 4.7					
		GREECE						
		LPB	eP	12 29 11				100.8
			eL	13 23 00				
SEP	1	PNS	P	13 03 54.5				2.5
			iS	04 24.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	1	TRJ	P	14 26 51.9	D			
		CCH	eP	14 27 31.7				
		LPB	iP	14 27 44.8		0.5	29.9	
			eL	39 00				
		PNS	iP	14 27 48.7	D	0.5	20.5	
			eS	29 08				
SEP	1	USCGS	14 16 14.1, 31.8N, 142.4E, H = 42 Km, M = 5.5					
		HONSHU, JAPAN						
		PNS	PKP	14 35 55.8	D	1.3	16.0	
			i	35 59.4				
			PKP2	36 03.0				
		LPB	PKP	14 35 57		1.5	52.0	148.4
			i	35 59.8				
			PKP2	36 02.8				
			pPKP	36 16.5				
			eSS	58 18				
			eL	15 26 00				
		CCH	ePKP	14 35 59.8				
SEP	1	USCGS	14 22 57.0, 37.5N, 22.1E, H = 17 Km, M = 5.3					
		S GREECE						
		LPB	eL	15 09 00				100.4
SEP	1	PNS	P	14 45 11.2		1.1	11.2	
		CCH	P	14 45 11.7	C			
SEP	1	USCGS	15 24 59.2, 20.6S, 175.4W, H = 33 Km, M = 5.2					
		TONGA IS						
		LPB	eP	15 38 34				99.4
			eL	16 11 00				
SEP	1	USCGS	16 19 10.0, 0.4N, 24.9W, H = 33 Km, M = 4.9					
		CENTRAL MID-ATLANTIC RIDGE						
		CCH	eP	16 27 19.6				
		LPB	P	16 27 30.6		1.1	30.0	46.3
			eL	41 00				
		PNS	iP	16 27 32.6	C	0.8	10.4	
SEP	1	LPB	iP	17 18 24.6	C	0.9	102.0	3.5
			S	19 06				
		PNS	iP	17 18 26.7	C	0.5	12.7	3.2
			eS	19 04				
		CCH	iP	17 18 29.0	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	1	USCGS	19 18 00.6, 71.6N, 2.9W, H = 33 Km, M = 5.2					
		JAN MAYEN IS REG						
		PNS	eP	19 30 31.5				
			eSS	49 35				
			eL	20 03.6				
		LPB	eSS	19 49 38				97.1
			eL	20 03 00				
SEP	1	LPB	eP	20 03 15		0.8	11.2	
SEP	1	USCGS	21 09 42.0, 58.4N, 32.8W, H = 33 Km, M = 4.4					
		N ATLANTIC OCEAN						
		PNS	eP	21 21 49				
			eL	47.9				
		LPB	eP	21 21 50				80.0
			eL	48 00				
SEP	1	USCGS	21 27 39, 58.3N, 32.6W, H = 33 Km, M = 4.7					
		N ATLANTIC OCEAN						
		PNS	eP	21 39 41.4				
			L	22 05 00				
		LPB	eP	21 39 42				80.0
			eL	22 05 00				
		CCH	eP	21 39 46.8				
SEP	1	USCGS	21 31 07, 58.3N, 32.5W, H = 33 Km, M = 4.5					
		N ATLANTIC OCEAN						
		PNS	eP	21 43 00				
			eL	22 08.9				
		LPB	eP	21 43 10				80.0
			eL	22 09 00				
SEP	1	TRJ	P	22 03 16.3	D			
		CCH	P	22 03 25.8	D			
		LPB	P	22 03 38	C	0.6	16.2	
		PNS	P	22 03 42.6	C	0.5	4.9	
			eS	04 37.8				
SEP	1	USCGS	23 19 09.8, 61.8N, 149.6W, H = 77 Km, M = 5.2					
		S ALASKA						
		LPB	eP	23 32 11				100.4
			eL	00 05 00				
		PNS	eL	00 06.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	2	USCGS ALEUTIAN IS	00 54 40.7, 51.0N, 177.9E, H = 14 Km, M = 5.2					
		LPB	ePKP	01 13 26.5				117.9
			eL	51 00				
		PNS	ePKP	01 13 27.8				
			L	52.2				
SEP	2	LPB	P	01 20 40.5		0.9	6.8	
SEP	2	USCGS KURILE IS	01 58 29, 46.9N, 153.0E, H = 44 Km, M = 4.7					
		CCH	ePKP	02 17 37.7				
		PNS	ePKP	02 17 43.5				
			eSS	38 12				
			eL	03 01.7				
		LPB	ePKP	02 17 45		0.8	8.4	134.0
			eL	03 02 00				
SEP	2	PNS	P	02 23 07.8		0.3	1.6	
		LPB	P	02 23 07.0		0.9	18.7	
			i	23 23.0				
			(S)	24 06.2				
		CCH	eP	02 23 10.4				
SEP	2	USCGS GULF OF CALIFORNIA	05 03 04.0, 23.3N, 107.9W, H = 33 Km, M = 4.4					
		LPB	eP	05 12 21.5		0.9	5.1	55.3
			eL	30 00				
		PNS	eP	05 12 34				
			eL	29 00				
SEP	2	LPB	iP	06 28 15.7	C	0.5	325.0	3.3
			iS	28 55.1				
		PNS	iP	06 28 17.6	C	0.4	40.8	3.1
			S	28 54				
		CCH	iP	06 28 19.9	C			
			S	28 34.3				
		TRJ	P	06 28 38.9	D			
SEP	2	USCGS EASTER IS REG	06 55 11.0, 23.2S, 114.6W, H = 33 Km, M = 4.6					
		PNS	P	07 03 17.8				
			i(pP)	03 23.6				
			eG	12 49				
			L	15.9				
		LPB	P	07 03 19		1.0	6.0	43.6
			eL	16 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	2	USCGS N EASTER IS CORDILLERA	07 59 05.7, 4.5S, 105.9W, H = 33 Km, M = 5.1					
		PNS	P	08 06 28.1		0.7	10.6	
			iPP	08 03.1				
			PcP	08 43.4				
			iS	12 33				
			iSS	15 18				
			L	17.9				
		LPB	eP	08 06 30		2.4	182.0	38.7
			PP	08 33.5				
			PcP	08 39.5				
			iS	12 36				
			iSS	15 33				
			L	18.3				
		CCH	P	08 06 49.3	C			
		TRJ	P	08 07 12.1	D			
SEP	2	LPB	eP	08 11 36.5				
SEP	2	LPB	eP	08 56 27.5				
SEP	2	USCGS MARIANA IS	09 09 03, 13.6N, 144.2E, H = 91 Km, M = 4.9					
		PNS	PKP	09 28 42.3	D	0.9	10.7	
			eSS	51 20				
			L	10 09.3				
		LPB	PKP	09 28 43	D	1.0	36.0	148.5
			eSS	51 27				
			eL	10 10 00				
		CCH	PKP	09 28 46.9	C			
SEP	2	USCGS NEW GUINEA	10 15 16, 3.2S, 139.6E, H = 33 Km, M = 5.2					
		PNS	PKP	10 34 55.4		0.8	16.0	
			pPKP	35 04.9				
			i	35 12				
			PS	49 03				
			iSKKS	50 10.0				
			eSS	55 19				
			eL	11 24.2				
		LPB	PKP	10 34 56		1.1	13.8	146.2
			eSKS	42 10				
			eSS	55 14				
			eL	11 24 00				
		CCH	ePKP	10 34 59.3				
SEP	2	PNS	eP	10 56 16				1.0
			S	56 29.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	2	USCGS	11 13 00, 27.7N, 52.4E, H = 33 Km, M = 5.6					
		S IRAN						
		PNS	ePKP	11 32 00.2				
			pPKP	32 10.7				
			SS	50 30				
			eL	12 12 00				
		LPB	ePKP	11 32 03				124.1
			eL	12 12 00				
SEP	2	USCGS	14 34 56, 2.1N, 126.8E, H = 116 Km, M = 5.1					
		MOLUCCA PASSAGE						
		LPB	ePKP	14 54 39				159.3
			eL	15 49 00				
		PNS	eSS	15 19 18				
			eL	49 00				
SEP	2	PNS	P	16 31 03.6		0.5	2.6	
SEP	2	USCGS	21 20 17, 26.8N, 110.8W, H = 34 Km, M = 5.2					
		GULF OF CALIFORNIA						
		PNS	eP	21 30 15.9		1.1	4.5	
			eL	41.9				
		LPB	eP	21 30 20.5				59.6
			eL	49 00				
SEP	2	USCGS	22 14 50.9, 53.1N, 169.8W, H = 33 Km, M = 4.9					
		FOX IS, ALEUTIAN IS						
		LPB	ePKP	22 23 12				110.1
			eL	23 06 00				
		PNS	ePKP	22 33 22.4				
			eL	23 06 00				
SEP	2	PNS	eP	22 56 23.4		0.6	3.3	1.8
			S	56 45.4				
SEP	3	LPB	eP	03 38 48				
		PNS	eP	03 39 08				
			eS	39 30.4				
SEP	3	LPB	eP	04 03 16		0.8	4.2	
SEP	3	LPB	eP	04 14 30				
		PNS	eP	04 14 31				
			i	15 11.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	3	USCGS	06 38 12, 14.2N, 90.5W, H = 107 Km, M = 4.4					
		GUATEMALA						
		LPB	eP	06 45 13.5				37.8
			eSS	50 23				
			eL	56 00				
		PNS	P	06 45 16		0.8	4.4	
			eS	50 53				
			eL	56 00				
SEP	3	PNS	P	07 09 29.8		0.7	5.5	1.8
			S	09 52.2				
		LPB	eP	07 09 42				
SEP	3	USCGS	08 11 30.0, 43.2N, 146.5E, H = 69 Km, M = 4.4					
		KURILE IS						
		LPB	ePKP	08 31 04				140.5
			pPKP	31 19				
			eL	09 18 00				
		PNS	PKP	08 31 04				
			L	09 18.2				
		TRJ	ePKP	08 31 17.9	C			
SEP	3	PNS	eP	11 48 38.5				
		LPB	eP	11 48 41				
SEP	3	CCH	ePKP	11 59 16.3				
SEP	3	USCGS	12 08 40, 57.0S, 25.6W, H = 33 Km, M = 5.3					
		S SANDWICH IS REG						
		TRJ	iP	12 16 00.6	C			
		LPB	P	12 17 44.4	D	1.0	118.0	50.8
			pP	17 52.3				
			PP	19 45.5				
			S	25 00				
			eL	33 00				
		PNS	eP	12 17 45.4	C			
			i	17 46.9				
			pP	17 54.4				
			eL	33 00				
			eP	12 17 45.5				
		CCH	eP	12 17 45.5				
SEP	3	TRJ	P	12 48 59.7	D			2.7
			S	49 31.9	D			
SEP	3	PNS	P	13 30 21				1.7
			S	30 42				
		LPB	eP	13 30 21.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	3	PNS	P	16 05 28.6		0.3	2.0	1.8
			S	05 50.5				
SEP	3	CCH	eP	16 22 26.2				
SEP	3	USCGS	16 24 20.7, 10.2N, 104.2W, H =47 Km, M = 5.3					
		OFF CST OF MEXICO						
		PNS	P	16 32 27.2		1.5	76.2	
			PP	34 14.2				
			S	38 54				
			SS	42 12				
			G	42 20				
			L	45.9				
		LPB	P	16 32 27.5				44.0
			e	32 32				
			pP	32 36				
			PP	34 15.5				
			S	39 08				
			SS	42 22				
			L	46 00				
		CCH	EP	16 32 46.0				
SEP	3	PNS	P	16 40 26.1		0.5	2.7	
SEP	3	TRJ	P	16 49 22.1	D			
SEP	3	CCH	eP	19 43 46.1				
		PNS	eP	19 44 24.7		0.4	1.8	2.8
			S	44 57.3				
SEP	3	CCH	eP	20 59 17.7				
		PNS	eP	21 00 01				2.9
			S	00 36.4				
SEP	3	PNS	P	22 45 54.4		0.7	3.9	
			i	45 58.2				
			i	46 04.1				
		LPZ	eP	22 45 55				
SEP	3	CCH	eP	22 46 23.0				
SEP	3	PNS	eP	23 56 51.5				2.9
			S	57 27				
		CCH	eP	23 57 07.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	4	USCGS	00 31 15, 19.8S, 69.4W, H = 112 Km, M = 4.3					
		N CHILE						
		LPZ	iP	00 32 09.5				
		PNS	iP	00 32 11.9	C	0.5	51.0	
			S	32 45				
			L	50 00				
		CCH	iP	00 32 12.0	C			
SEP	4	USCGS	04 37 04.5, 12.2N, 93.1E, H = 33 Km, M = 5.4					
		ANDAMAN IS REG						
		PNS	PKP	04 57 05.8		1.2	17.9	
			iPKP2	57 49.4				
			eSS	05 21 44				
			eL	53.2				
SEP	4	PNS	P	05 07 01.4		0.6	11.2	2.0
			S	07 25				
SEP	4	USCGS	05 37 49.7, 17.8S, 74.0W, H = 8 Km, M = 5.1					
		OFF CST OF PERU						
		PNS	P	05 39 17.3		0.5	5.4	
			i	39 13.8				
			iPP	39 27.6				
			iS	40 24				
			iSS	40 40				
			eL	40 50				
		LPZ	eP	05 39 20				
			i	39 21				
			S	40 31				
		CCH	P	05 39 43.4	D			
		TRJ	iP	05 40 12.5	C			
SEP	4	PNS	eP	09 06 50				3.2
			S	07 27.4				
SEP	4	PNS	P	09 21 03.1		0.5	2.6	7.6
			S	22 29.5				
SEP	4	PNS	eP	09 30 12		0.9	5.8	
SEP	4	PNS	P	09 44 04.2		1.0	22.2	
			i	44 15.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	4	USCGS	09 41 23.8, 2.5S, 138.8E, H = 39 Km, M = 6.0					
		W NEW GUINEA						
		LPZ	eP	10 01 03				
		TRJ	P	10 01 04.0				
		PNS	PKP	10 01 04.4		1.5	32.4	
			i	01 07.5				
			PKP2	01 10.9				
			eSS	23 37				
			eL	51.2				
		CCH	eP	10 01 09.5				
SEP	4	USCGS	10 51 04, 2.8N, 84.5W, H = 33 Km, M = 4.6					
		OFF CST OF CENTRAL AMERICA						
		PNS	P	10 56 24	C	1.2	53.0	
			pP	56 34				
			L	11 02.7				
		LPZ	P	10 56 26				
		CCH	eP	10 56 02.0				
SEP	4	USCGS	11 23 17.5, 37.3N, 114.2W, H = 33 Km, M = 4.7					
		S NEVADA						
		PNS	eL	11 55 00				
SEP	4	CCH	ep	11 53 41.9				
		PNS	eP	11 54 27.7				2.8
			S	55 01.5				
SEP	4	USCGS	13 28 42.6, 16.5S, 167.4E, H = 9 Km, M = 5.3					
		NEW HEBRIDES IS						
		PNS	eL	14 24 00				
SEP	4	PNS	P	15 18 59.1		0.4	5.8	1.8
			iS	19 21				
SEP	4	LPB	eP	21 25 50				
SEP	4	USCGS	22 14 49, 4.6N, 74.0W, H = 5 Km, M = 5.2					
		COLOMBIA						
		PNS	eP	22 19 41.2		1.0	20.9	
			i	19 45.8				
			S	23 28				
			eSS	24 14				
			L	25.4				
		LPB	eP	22 19 41.5				21.5
			i	19 44.5				
			S	23 49				
			L	25.6				
		CCH	eP	22 19 58.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	5	USCGS	00 08 05.1, 21.7S, 176.4W, H = 212 Km, M = 4.7					
		FIJI IS REG						
		PNS	P	00 21 00		1.4	13.9	
			i	21 30.9				
			L	54.7				
		LPB	eP	00 21 06.5				100.0
			eL	54 00				
SEP	5	LPB	P	01 20 45.5				
		PNS	P	01 20 46.7		0.4	1.6	5.4
			eS	21 48.9				
SEP	5	USCGS	03 05 06.3, 21.2S, 67.7W, H = 192 Km, M = 4.2					
		CHILE-BOLIVIA BOR REG						
		TRJ	iP	03 05 50.9	D			
			(S)	06 22.6				
		CCH	iP	03 06 06.5	C			
		LPB	iP	03 06 17.5	C	0.7	250.0	4.5
			S	07 14.5				
		PNS	iP	03 06 21.4	C	0.6	105.3	4.7
			S	07 15				
SEP	5	PNS	P	05 21 41.4		0.3	3.5	
		LPB	P	05 21 47.5				
SEP	5	LPB	eP	05 25 02				1.9
			iS	25 25				
		PNS	iP	05 25 02.2	D	0.5	19.3	1.8
			S	25 24.7				
SEP	5	CCH	P	06 37 53.3	C			
		LPB	P	06 38 21				3.3
			S	39 00.5				
		PNS	P	06 38 27.0		0.7	5.5	3.6
			i	38 28.9				
			S	39 08.8				
SEP	5	USCGS	06 52 51.1, 7.5S, 155.9E, H = 60 Km, M = 5.2					
		SOLOMON IS						
		PNS	PKP	07 11 57.6		0.9	12.1	
			ipPKP	12 04.5				
			PKS	15 20				
			i	15 35.2				
			eSS	31 46				
			eL	54.6				
		LPB	PKP	07 11 58		1.0	18.0	130.3
			pPKP	12 05				
			ePKS	15 19				
			eL	53 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	5	TRJ	iP	08 33 03.2	C			
			i(S)	33 35.5	C			
		LPB	iP	08 33 24.0	C	0.9	11.0	4.2
			S	34 13.2				
		PNS	iP	08 33 28.1	C	0.5	47.4	4.7
			S	34 22.5				
SEP	5	USCGS	08 48 20, 51.8N, 176.5E, H = 59 Km, M = 4.8					
		ALEUTIAN IS						
		LPB	ePKP	09 07 09.5				118.7
			eL	44 00				
		PNS	eL	09 44 00				
SEP	5	LPB	P	12 01 19.5		0.7	23.5	2.1
			eS	01 46				
		PNS	eP	12 01 19.9		0.4	3.8	2.0
			iS	01 45.4				
SEP	5	TRJ	P	12 16 17.2	C			2.6
			iS	16 47.8	D			
SEP	5	PNS	iP	12 34 42.5	D	0.4	21.4	2.5
			iS	35 12.8				
		LPB	P	12 34 53.2				
SEP	5	PNS	eP	13 29 56		0.4	7.5	2.5
			S	30 26				
SEP	5	USCGS	16 33 19.9, 19.4N, 155.6W, H = 3 Km, M = 4.8					
		HAWAII						
		LPB	eL	17 17 00				93.0
SEP	5	PNS	P	17 38 30.0				
			i	38 35.0				
SEP	5	PNS	P	17 53 15.2		0.9	8.5	
SEP	5	PNS	iP	18 16 42.2	C	0.3	4.7	1.7
			S	17 03.7				
SEP	5	USCGS	17 58 31, 15.9S, 167.4E, H = 38 Km, M = 5.4					
		NEW HEBRIDES IS						
		LPB	ePKP	18 17 15				116.1
		PNS	ePKP	18 17 16.3				
			eL	53 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	5	LPB	iP	18 55 22.2	C	1.1	30.0	
SEP	5	USCGS	18 37 44.0, 36.3N, 138.3E, H = 41 Km, M = 4.5					
		HONSHU, JAPAN						
		LPB	ePKP	18 57 25				
			eL	19 48 00				149.5
		PNS	PKP	18 57 25.3		1.2	12.0	
			pPKP	57 34.4				
			eL	48 00				
SEP	5	USCGS	23 05 03, 29.6N, 113.9W, H = 33 Km, M = 4.4					
		GULF OF CALIFORNIA						
		PNS	eP	23 15 32.8				
			eL	35.9				
		LPB	eP	23 15 33		0.9	6.8	63.9
			eL	35 00				
SEP	6	PNS	eP	00 27 20				
		LPB	eP	00 27 25.5		0.9	15.3	
SEP	6	PNS	eP	00 32 43.4				
		LPB	P	00 32 52.5		0.6	4.8	2.3
			S	33 20.5				
SEP	6	CCH	eP	01 51 41.2				
		LPB	eP	01 52 04				5.5
			S	53 07				
		PNS	P	01 52 10				5.3
			S	53 11.5				
SEP	6	LPB	eP	02 14 28				3.3
			S	15 07.3				
		PNS	iP	02 14 36.9	D	0.4	34.0	2.1
			iS	15 02.0				
SEP	6	LPB	eP	03 04 31.6				
		PNS	e(P)	03 04 32				
SEP	6	TRJ	iP	03 06 33.3	C			2.5
			iS	07 03.4	C			
		LPB	iP	03 07 04.5	D	0.9	30.7	5.0
			S	08 03				
		PNS	iP	03 07 08.3	D	0.4	16.1	5.0
			S	08 06.6				
SEP	6	PNS	iP	03 48 18.0	D	0.6	6.2	2.6
			S	48 49.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	6	PNS	eP	04 27 40				
		LPB	eP	04 27 44				
SEP	6	LPB	eP	07 18 14		0.9	6.8	
			eL	08 11 00				
		PNS	L	08 11 00				
SEP	6	PNS	iP	08 02 33.9	C	1.2	40.8	
			i	03 37.8				
		LPB	eP	08 02 38				
SEP	6	USCGS	08 41 05, 38.8S, 92.3W, H = 33 Km, M = 5.0					
		W CHILE RISE						
		LPB	eP	08 47 18.5				30.5
			eL	55.6				
		PNS	P	08 47 20.2		1.3	33.7	
			pP	47 30.4				
			S	52 10				
			SS	53 50				
			L	55.4				
SEP	6	LPB	eP	13 07 35				
SEP	6	TRJ	iP	14 15 07.1	C			3.4
			S	15 47.8	D			
SEP	6	LPB	eP	16 05 02				1.8
			S	05 24.5				
SEP	6	PNS	eP	16 26 55				
		LPB	eP	16 27 05				
SEP	6	LPB	eP	16 45 04				
SEP	6	USCGS	19 15 13, 51.8N, 175.9E, H = 52 Km, M = 5.0					
		RAT IS ALEUTIAN IS						
		PNS	ePKP	19 34 04.5				
			eL	20 11 00				
		LPB	eL	20 11 00				119.0

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	6	USCGS	20 25 06, 29.4S, 112.3W, H = 33 Km, M = 5.2					
		EASTER IS REG						
		LPB	eP	20 32 58				41.8
			pP	33 08				
			eS	39 08				
			eL	45 00				
		PNS	P	20 32 59.3		1.6	54.2	
			S	39 11				
			iSS	42 42				
			L	44.9				
SEP	6	USCGS	20 32 55, 0.6N, 124.4E, H = 94 Km, M = 5.1					
		N CELEBES						
		LPB	ePKP	20 52 20				157.2
			eL	21 47 00				
		PNS	ePKP	20 52 36				
			eSS	21 16 35				
			eL	47 00				
SEP	6	USCGS	21 04 32, 4.9S, 76.9W, H = 120 Km, M = 4.4					
		N PERU						
		PNS	iP	21 07 48.1	C	0.9	24.2	
			eS	10 26				
			L	11 00				
		LPB	iP	21 07 53.3		0.8	25.2	14.0
			S	10 28				
			eL	11.5				
SEP	6	USCGS	20 50 55, 3.6S, 127.1E, H = 33 Km, M = 5.3					
		CERAM						
		LPB	ePKP	21 10 39		1.0	24.0	154.8
			eL	22 04 00				
		PNS	ePKP	21 10 50				
			S	24 33				
			eL	22 04.5				
SEP	7	LPB	eP	01 30 51				1.1
			S	31 05.2				
SEP	7	PNS	iP	02 34 23.0	D	0.3	14.6	2.2
			S	34 49.2				
SEP	7	USCGS	05 53 45.7, 8.7S, 156.5E, H = 52 Km, M = 5.3					
		SOLOMON IS						
		PNS	PKP	06 12 52.4				
			eSS	32 15				
			eL	53.9				
		LPB	ePKP	06 12 54.0		0.9	5.1	129.1
			eL	54 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	7	CCH	P	06 36 56.6	C			
		LPB	P	06 37 36		0.6	4.8	3.2
			S	38 14.5				
		PNS	eP	06 37 41.6				3.8
			S	38 25.6				
SEP	7	USCGS	10 20 48.4, 9.5S, 74.6W, H = 139 Km, M = 4.5					
		PERU						
		PNS	eP	10 22 58		0.5	2.6	
			i	23 12.0				
			S	24 39				
			eL	24.9				
		LPB	eP	10 23 03		0.8	9.8	9.0
			i	23 16.2				
			eS	24 43				
			eL	25.3				
		CCH	eP	10 23 23.6				
SEP	7	USCGS	11 09 37, 37.3N, 114.3N, H = 33 Km					
		S NEVADA						
		LPB	eP	11 20 36				68.4
		PNS	eP	11 20 37.7				
			eL	42 00				
SEP	7	USCGS	12 07 03, 8.8S, 79.9W, H = 60 Km, M = 4.3					
		NR CST OF N PERU						
		LPB	eP	12 08 14				13.5
			eL	14 00				
		PNS	eP	12 10 12.6		0.9	7.3	
			eS	12 35				
			eL	14.1				
		CCH	eP	12 10 13.6				
SEP	7	PNS	eP	14 01 07.8		0.5	2.3	
			i	01 54.9				
		LPB	eP	14 01 53		0.9	17.0	
SEP	7	USCGS	14 45 03, 49.3N, 129.3W, H = 33 Km, M = 4.3					
		VAN COURIER IS REG						
		PNS	eP	14 47 33.5				
			L	15 24.9				
		LPB	eL	15 25 00				84.5
SEP	7	USCGS	14 52 29, 24.2S, 66.8W, H = 150 Km, M = 4.5					
		SALTA PROVINCE,ARGENTINA						
		TRJ	P	14 53 17.5	D			
		LPB	eP	14 54 19.8		0.7	11.7	7.7
			S	55 52				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
		PNS	eP	14 54 27		0.5	2.8	
			iS	55 56.4				
			L	56.4				
SEP	7	USCGS	15 55 11.5, 5.1S, 154.7E, H = 77 Km, M = 5.5					
		SOLOMON IS						
		CCH	ePKP	16 14 14.6				
		PNS	PKP	16 14 20.8		1.0	45.0	
		LPB	PKP	16 14 21.3		1.1	48.2	132.1
			pPKP	14 31				
			eL	57 00				
SEP	7	USCGS	16 12 28, 8.8S, 107.8E, H = 33 Km, M = 4.9					
		JAVA						
		CCH	ePKP	16 32 16.8				
		LPB	ePKP	16 32 30				153.9
			ePKP2	32 51.5				
			eSS	55 23				
			eL	17 25 00				
		PNS	ePKP	16 32 30				
			eL	17 25.4				
SEP	7	USCGS	16 19 59, 36.9N, 138.9E, H = 45 Km, M = 4.9					
		HONSHU, JAPAN						
		PNS	P	16 39 45.0	C	1.3	51.7	
			eL	17 30.2				
		LPB	PKP	16 39 46.7		1.1	32.2	148.5
SEP	7	TRJ	iP	16 46 57.0	C			
		CCH	eP	16 47 51.3				
		LPB	P	16 48 01.8		0.6	25.2	7.3
			S	49 25.5				
		PNS	P	16 48 04.6		0.7	6.2	7.5
			S	49 30.2				
SEP	7	CCH	iP	17 39 29.1	D			
		PNS	eP	17 40 09				3.4
			S	40 49				
SEP	7	USCGS	20 30 44, 28.2S, 69.2W, H = 88 Km, M = 4.4					
		CHILE-ARGENTINA BOR REG						
		CCH	eP	20 33 22.6				
		LPB	eP	20 33 31.5				11.6
			S	35 23				
			eL	36 00				
		PNS	P	20 33 32.0		0.7	3.9	
			eS	35 27				
			eL	35.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	7	CCH	eP	20 35 05.9				
		LPB	eP	20 35 19				6.4
			S	36 32				
		PNS	P	20 35 24.1	C	0.6	7.8	6.9
			S	36 42.9				
SEP	7	CCH	P	21 30 04.1	D			3.0
			S	30 38.2				
		LPB	P	21 30 33.5		0.8	28.8	5.2
			S	31 34				
		PNS	P	21 30 36.1		0.4	2.3	4.9
			eS	31 32.6				
SEP	7	USCGS	22 54 31, 37.7S, 72.7W, H = 48 Km, M = 4.3					
		CENTRAL CHILE						
		PNS	P	22 59 07.2				
			ePP	59 32.6				
			eS	23 03 00				
			eL	04.7				
		LPB	eP	22 59 10				21.3
SEP	8	USCGS	00 05 41, 22.7S, 68.5W, H = 121 Km, M = 4.2					
		N CHILE						
		TRJ	iP	00 06 31.7	C			
		CCH	eP	00 07 03.7				
		LPB	P	00 07 11.5		0.5	7.8	6.1
			S	08 26				
		PNS	P	00 07 13.5		0.5	2.3	
			i	07 31.9				
			eS	08 26				
			eL	08.7				
SEP	8	USCGS	00 18 47, 6.9N, 73.0W, H = 159 Km, M = 4.3					
		N COLOMBIA						
		PNS	eP	00 23 41.2				
			eL	29.6				
		LPB	e	00 24 19.5				23.6
			eL	30 00				
SEP	8	TRJ	iP	04 00 00.4	C			
		CCH	iP	04 00 29.8	C			
			S	01 17.7				
		LPB	iP	04 00 44.0	C	0.7	78.0	5.1
			S	01 43				
		PNS	iP	04 00 48.0	C	0.5	63.4	5.5
			S	01 51.0				
SEP	8	USCGS	05 28 44, 51.2N, 179.2W, H = 33 Km, M = 4.8					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	ePKP	05 47 30				115.6
			eL	06 24 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	8	TRJ	iP	05 54 43.4	C			
		CCH	P	05 55 27.0	D			
		LPB	P	05 55 41.3		0.4	9.6	
			(S)	56 57.5				
		PNS	P	05 55 45.0		0.6	6.2	6.8
			S	57 02.2				
SEP	8	USCGS	06 43 14, 14.8N, 91.5W, H = 57 Km, M = 3.5					
		GUATEMALA						
		PNS	eL	07 01.9				
		LPB	eL	07 02 00				38.9
SEP	8	PNS	iP	07 27 41.3	C	0.4	2.8	1.9
			S	28 04.4				
SEP	8	PNS	P	08 12 49.6		0.4	1.6	2.3
			S	13 17				
SEP	8	USCGS	08 28 52.1, 23.5S, 66.6W, H = 204 Km, M = 5.4					
		JUJUY PROVINCE, ARGENTINA						
		TRJ	iP	08 29 38.8	C			
		CCH	iP	08 30 23.5	C			
			S	31 20.0				
		LPB	iP	08 30 37.2	D			7.2
			S	31 53				
			ScS	43 48				
		PNS	iP	08 30 41.1	D	0.6	105.0	
			iS	32 05.2				
			iSeS	43 49				
SEP	8	PNS	P	10 16 27.1		0.6	3.2	5.5
			S	17 30.4				
		LPB	P	10 16 30.5		0.5	6.5	
			(S)	17 33				
SEP	8	PNS	iP	10 53 53.6	C	0.5	57.5	2.3
			iS	54 20.4				
		LPB	P	10 53 57.7		0.8	12.6	2.7
			S	54 30.7				
SEP	8	USCGS	10 37 43.2, 3.6N, 126.3E, H = 65 Km, M = 5.1					
		TALAUD IS						
		PNS	ePKP	10 57 40		1.3	30.1	
			L	11 53.5				
		LPB	ePKP	10 57 40.5				160.2

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	8	USCGS	12 07 50, 22.5S, 10.7W, H = 33 Km, M = 5.4					
		S ATLANTIC RIDGE						
		CCH	P	12 16 58.4	C			
		LPB	iP	12 17 13.5		1.5	114.0	54.3
			i	18 18.7				
			ePP	19 27				
			eL	34 00				
		PNS	iP	12 17 16.4	D	1.5	80.8	
			pP	17 25.7				
			i	17 33.0				
			S	24 30				
			eL	33.5				
SEP	8	USCGS	13 24 22, 31.9S, 68.8W, H = 117 Km, M = 4.1					
		SAN JUAN PROVINCE, ARGENTINA						
		PNS	P	13 27 57.4		1.2	13.2	
			i	28 33.7				
			eS	30 40				
			eL	31.4				
		LPB	eP	13 28 58		1.1	16.0	15.0
			eL	31 00				
SEP	8	PNS	P	13 44 07.5		0.4	3.9	6.0
			S	45 16.4				
SEP	8	PNS	iP	15 01 17.5	D			1.9
			S	01 40.2				
		LPB	iP	15 01 20	D	0.6	33.5	1.8
			eS	01 42.7				
		CCH	iP	15 01 38.4	C			
			S	02 00.5				
SEP	8	LPB	eP	15 48 41				
		PNS	eP	15 48 45.5		0.7	3.3	
SEP	8	PNS	P	17 02 17.9	D	4.3	4.8	
			S	03 13.1				
SEP	8	PNS	P	18 04 35.1	C	1.0	19.5	
		LPB	eP	18 04 35.5		0.5	14.3	
SEP	8	PNS	iP	18 12 59.4	C	0.5	4.8	2.8
			eS	13 32.4				
SEP	8	PNS	iP	19 15 21		0.9	11.7	
SEP	8	PNS	P	20 39 28.0		1.3	12.4	
		LPB	P	20 39 34		0.7	7.8	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	8	USCGS	21 17 21.4, 21.7S, 176.3W, H = 80 Km, M = 5.7					
		FIJI IS REG						
		CCH	eP	21 30 51.8				
		PNS	P	21 31 02.0		1.2	20.9	
			PP	35 05.4				
		LPB	eP	21 31 02.5		1.1	27.6	99.8
			PP	35 06.5				
			eSKS	41 38				
			SS	47 40				
			eL	22 04 00				
SEP	8	USCGS	21 15 52.8, 2.4N, 128.4E, H = 96 Km, M = 6.9					
		HALMAHERA						
		CCH	PKP	21 35 42.3	C			
			S	36 07.3				
			iPKP2	36 24.3				
		PNS	iPKP	21 35 44.2	C	2.1	3583.0	
			pPKP	36 10.4				
			iPKP2	36 20.7				
			PKS	38 42.2				
			ePP	39 55.0				
			SKS	42 47				
			SS	59 57				
			L	22 29.7				
		LPB	PKP	21 35 44.5	C	2.4	1428.0	158.4
			pPKP	36 08				
			PKS	38 50				
			PP	39 49				
			SKS	41 34				
			SS	22 00 20				
			G	21.6				
			eL	31 00				
SEP	8	USCGS	21 55 40.1, 45.4N, 150.5E, H = 32 Km, M = 5.6					
		KURILE IS						
		PNS	PKP	22 15 01.4		1.0	19.4	
			L	23 00.8				
		LPB	PKP	22 15 01.5		1.0	20.0	136.8
			eL	23 00 00				
SEP	8	USCGS	22 31 50.9, 52.7N, 173.4E, H = 58 Km, M = 5.1					
		NEAR IS, ALEUTIAN IS						
		PNS	ePKP	22 50 42				
			eL	23 28.1				
		LPB	ePKP	22 50 43				120.2
			eL	23 28 00				
SEP	9	PNS	P	01 16 58.0		1.4	23.2	
SEP	9	LPB	eP	03 01 57.5				3.1
			S	02 34.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	9	USCGS	04 04 03.7, 8.2S, 74.2W, H = 156 Km, M = 5.1					
		PERU-BRAZIL BOR REG						
		PNS	iP	04 06 21.0	C	0.9	84.6	
			S	08 18				
			eL	08.9				
		LPB	iP	04 06 26.2	C	1.0	76.0	10.1
			i	06 45.6				
			S	08 22				
		CCH	iP	04 06 46.5	C			
			S	06 57.0				
		TRJ	P	04 07 40.9	D			
SEP	9	TRJ	P	04 17 42.6	C			
		CCH	eP	04 18 03.7				
		PNS	P	04 18 15.8		0.4	3.4	3.2
			eS	18 53				
SEP	9	USCGS	05 28 07, 16.4S, 71.8W, H = 140 Km, M = 4.0					
		S PERU						
		PNS	iP	05 28 57.3	D	0.5	27.3	
			iS	29 35.8				
		LPB	iP	05 29 02.0		1.0	38.0	3.4
			iS	29 45.5				
		CCH	P	05 29 24.0	C			
SEP	9	USCGS	07 14 46.0, 36.2N, 138.2E, H = 72 Km, M = 4.4					
		HONSHU, JAPAN						
		PNS	PKP	07 34 30		1.3	20.0	
			eL	08 25 00				
		LPB	PKP	07 34 31		1.0	10.0	148.5
			e	08 25 00				
		CCH	eP	07 34 38.8				
SEP	9	LPB	P	08 49 54.2		0.9	8.5	
		PNS	eP	08 49 58				
SEP	9	PNS	eP	09 38 18.5				3.4
			S	38 58				
SEP	9	LPB	eP	10 11 20				
		PNS	eP	10 11 23.5				1.9
			S	11 46.4				
SEP	9	PNS	iP	11 26 24.6	C	0.3	9.4	1.9
			iS	26 48.1				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	9	PNS	iP	11 51 41.2	D	0.4	144.5	2.3
			iS	52 10.0				
		LPB	iP	11 51 41.5	D	0.3	168.0	2.5
			S	52 11.5				
		TRJ	P	11 52 26.2	D			
SEP	9	USCGS	12 04 30.9, 4.2S, 102.8E, H = 25 Km, M = 5.3					
		S SUMATRA						
		PNS	ePKP	12 24 26				
			ePKP2	25 03.3				
			i	25 18.0				
		TRJ	PKP	12 24 26.7	C			
		LPB	ePKP	12 24 27				157.6
			eL	13 19 00				
SEP	9	CCH	eP	14 02 46.7				
		TRJ	eP	14 02 46.7				
		LPB	P	14 02 54		0.9	27.2	
			(S)	03 39.5				
		PNS	eP	14 02 54.7				3.4
			i	02 56.6				
			S	03 35				
SEP	9	PNS	P	15 23 49.5		0.7	10.8	
SEP	9	CCH	P	15 46 34.1	C			0.5
			S	46 42.9				
		PNS	eP	15 47 24				2.9
			S	47 58				
SEP	9	PNS	iP	18 33 18.0	D	0.3	6.3	0.9
			S	33 30.5				
SEP	9	USCGS	18 33 52.8, 49.2N, 129.5W, H = 33 Km, M = 4.9					
		VANCOUVER IS REG						
		LPB	eL	19 14 00				84.9
SEP	9	USCGS	18 39 58.2, 10.8N, 69.5W, H = 12 Km, M = 5.0					
		VENEZUELA						
		LPB	eP	18 45 31.7		0.8	8.4	27.4
			PP	45 45.4				
			S	49 18.5				
			eSS	51 32				
			L	54.4				
		PNS	eP	18 45 41.7				
			ePP	46 31.6				
			L	54 30.0				
		CCH	eP	18 45 47.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	9	USCGS	23 12 15, 48.8N, 156.3E, H = 29 Km, M = 4.8					
			KURILE IS REG					
		LPB	eL	00 14 00				131.8
		PNS	eL	00 14 00				
SEP	9	USCGS	23 13 19.8, 17.6S, 168.0E, H = 36 Km, M = 5.2					
			NEW HEBRIDES IS					
		PNS	ePKP	23 33 00				
			eL	00 07.9				114.9
		LPB	ePKP	23 33 03				
			eL	00 08 00				
SEP	10	PNS	P	00 53 30.0		0.8	5.7	
		CCH	eP	00 53 30.7				
		LPB	P	00 53 31.2		0.9	6.8	
SEP	10	USCGS	02 27 47.7, 46.6N, 144.1E, H = 335 Km, M = 5.2					
			SEA OF OKHOTSK					
		CCH	ePKP	02 46 31.0				
		PNS	PKP	02 46 37.8				
			eSS	03 07 00				
			eL	34 00				
		LPB	PKP	02 46 38.5		1.0	14.0	140.0
		TRJ	iPKP	02 46 52.0	D			
SEP	10	TRJ	P	06 53 54.6	D			
		LPB	P	06 54 46.5		0.9	6.8	7.4
			S	56 11				7.7
		PNS	eP	06 54 50.5				
			S	56 17.6				
SEP	10	PNS	iP	07 56 45.8	D	0.3	8.1	2.0
			S	57 10				
SEP	10	LPB	eP	09 26 06				
SEP	10	LPB	eP	10 07 54.5				
SEP	10	TRJ	P	10 55 02.1				3.0
			S	55 37.3				
SEP	10	PNS	eP	13 51 45				3.8
			S	52 29.7				
		LPB	eP	13 51 53		0.6	9.6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	10	USCGS	14 12 46.2, 31.7S, 72.0W, H = 20 Km, M = 4.9					
			OFF CST OF CENTRAL CHILE					
		LPB	eP	14 16 26.5		1.0	20.0	15.6
			PP	16 31.7				
			S	19 41.5				
			L	21 35				
		PNS	iP	14 16 28.7	C	1.1	23.0	
			i	16 38.5				
			eS	19 26				
			L	20.5				
SEP	10	USCGS	16 13 42, 0.0N, 81.0W, H = 5 Km, M = 4.3					
			OFF CST OF ECUADOR					
		PNS	P	16 18 21.8		0.5	8.2	
			eS	22 00				
			L	2.7				
		LPB	iP	16 18 26.5	D	0.8	23.8	20.7
			eL	16 23 00				
SEP	10	USCGS	16 27 50.9, 30.7S, 71.3W, H = 55 Km, M = 4.7					
			NR CST OF CENTRAL CHILE					
		LPB	P	16 31 16.5		1.1	11.5	13.7
		PNS	iP	16 31 18.0	C	1.2	28.8	
			eL	33.9				
SEP	10	USCGS	17 32 03, 23.3S, 179.8E, H = 550 Km, M = 5.0					
			S OF FIJI IS					
		PNS	eP	17 46 02				
			eL	18 20.9				
		LPB	eL	18 21 00				103.5
SEP	10	PNS	iP	19 18 49.3	C	0.9	12.9	
		LPB	eP	19 18 52.5				
SEP	10	USCGS	20 08 58, 5.1S, 78.7W, H = 33 Km					
			PERU					
		LPB	eP	20 12 25				14.8
			i	12 41.6				
			s	15 11.4				
			eL	16.5				
		PNS	eP	20 12 26.5				
			i	12 37.1				
			eS	25 10				
			eL	16 00				
			i	18 20				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	10	USCGS	21 40 18, 27.7S, 70.4W, H = 35 Km, M = 4.2					
		NR CST OF N CHILE						
		LPB	eP	21 43 02				11.3
			eL	46 00				
		PNS	eP	21 43 05.1				
			i	43 15.2				
			eS	45 07				
			eL	46 00				
SEP	10	USCGS	21 58 46.8, 19.3N, 67.9W, H = 28 Km, M = 4.7					
		MONA PASSAGE						
		PNS	eP	22 05 33.6				
			ipP	05 42.8				
			eS	11 05				
			eL	15.3				
		LPB	eP	22 05 35.5				35.0
			pP	05 42.5				
			eS	06 08				
			eL	16 00				
SEP	11	LPB	P	00 51 52.4		1.0	16.0	
		PNS	P	00 51 53.6		1.0	12.0	
SEP	11	USCGS	01 42 11, 27.8N, 111.1W, H = 33 Km, M = 4.8					
		GULF OF CALIFORNIA						
		LPB	eP	01 52 19				60.6
			eL	02 11 00				
		PNS	eP	01 52 21.0		1.3	17.5	
			eS	02 00 30				
			L	10.5				
SEP	11	TRJ	P	02 09 25.4	D			2.9
			S	09 59.3				
SEP	11	USCGS	03 20 52.1, 6.8N, 73.1W, H = 149 Km, M = 4.8					
		N COLOMBIA						
		PNS	P	03 25 48.9		0.8	31.4	
			iPP	26 22.0				
			S	29 48.5				
			eL	32.2				
		LPB	P	03 25 51.7		0.9	18.7	23.4
			iPP	26 26.0				
			S	29 54.5				
			eL	32 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	11	USCGS	03 49 13, 58.9S, 25.7W, H = 33 Km, M = 5.4					
		S SANDWICH IS REG						
		LPB	eP	03 58 26		0.7	6.5	52.3
			i	58 44.0				
			eS	04 05 29				
			eL	15 00				
		PNS	eP	03 58 26.4				
			i	58 47.3				
			S	04 05 34				
			eSS	09 27				
			eL	14 00				
SEP	11	PNS	eP	04 16 20		0.8	9.2	
			e	16 34.9				
SEP	11	PNS	P	04 18 26.9				3.6
			S	19 09				
SEP	11	USCGS	07 03 18.1, 6.3S, 147.3E, H = 78 Km, M = 5.3					
		E NEW GUINEA REG						
		LPB	PKP	07 22 31.5		0.9	3.4	138.4
			ePKS	26 07				
			eL	08 09 00				
		PNS	PKP	07 22 31.8		0.9	5.2	
			iPKS	26 07.6				
			eSS	43 44				
			L	08 08.9				
SEP	11	LPB	eP	11 15 27				
		PNS	eP	11 15 38				
SEP	11	LPB	eP	11 21 51				
			S	22 30				3.3
		PNS	P	11 21 54.2		0.4	2.3	3.3
			S	22 33.6				
SEP	11	LPB	P	11 58 34.7		0.9	18.7	
		PNS	iP	11 58 37.7	C	0.4	4.0	
SEP	11	PNS	eP	13 30 44				
			S	31 38.4				4.7
		LPB	eP	13 30 56.5				
			S	31 55.2				5.1
SEP	11	PNS	P	13 53 31.1		0.5	7.6	2.0
			S	53 54.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	11	TRJ	P	14 01 37.4	C			3.5
			S	02 18.5	C			
		LPB	eP	14 02 08				8.4
			S	03 43				
		PNS	eP	14 02 10				5.5
			eS	03 13				
SEP	11	PNS	iP	14 39 58.5	D	0.4	5.7	1.8
			S	40 20.6				
SEP	11	USCGS	15 55 20, 27.0N, 95.8E, H = 37 Km, M = 5.0					
		BURMA-INDIA BOR RFG						
		PNS	ePKP	16 15 22				
			eSS	40 15				
			eL	17 12 00				
		LPB	eL	17 12 00				162.0
SEP	11	PNS	eP	16 44 30.2		0.5	6.2	
			eS	45 27				
SEP	11	USCGS	17 38 04.2, 6.8N, 72.9W, H = 167 Km, M = 5.9					
		N COLOMBIA						
		PNS	iP	17 42 59.7	D	0.7	224.0	
			iPP	43 33.7				
			iS	47 01.5				
			L	49 00				
			Ses	54 14				
		LPB	iP	17 43 03.0	D	0.9	279.5	23.4
			iPP	43 35.5				
			iS	47 04				
			i	48 10				
			eL	49 00				
		TRJ	iP	17 43 51.5	C			
SEP	11	PNS	P	19 34 21.3		0.2	8.6	1.1
			iS	34 35.7				
SEP	11	TRJ	P	20 20 32.2	D			
		LPB	P	20 21 15		0.8	5.6	
SEP	11	USCGS	22 19 07.0, 17.5S, 177.5W, H = 368 Km, M = 4.9					
		FIJI IS REG						
		LPB	eP	22 32 18				102.4
			eL	23 06 00				
		PNS	eP	22 32 18				
			eL	23 06.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	12	USCGS	00 42 25.5, 15.9S, 167.0E, H = 62 Km, M = 4.9					
		NEW HEBRIDES IS						
		LPB	ePKP	01 01 06				116.7
			eL	37 00				
		PNS	ePKP	01 01 10				
			eSS	18 15				
			eL	37.5				
SEP	12	LPB	iP	01 52 43.2	D	0.7	423.0	3.5
			iS	53 24.0				
		PNS	iP	01 52 45.2	D	1.0	366.7	3.4
			iS	53 25.6				
		TRJ	iP	01 52 59.6	C			
SEP	12	LPB	P	02 06 09.0		0.9	10.2	
		PNS	P	02 06 12.7		0.3	3.1	
SEP	12	LPB	P	02 08 34	C	1.0	52.0	
		PNS	iP	02 08 35.9	C	0.4	4.0	
SEP	12	LPB	P	06 58 47		1.0	16.0	3.4
			S	59 27.2				
		PNS	P	06 58 50.1	C	0.7	9.8	4.2
			S	39 39.4				
SEP	12	PNS	eP	10 31 30				
			(S)	31 54				
		LPB	eP	10 31 35.5				
SEP	12	PNS	iP	10 39 40.6	D	0.4	14.1	2.1
			S	38 05.6				
SEP	12	PNS	P	11 42 18		0.3	3.1	1.8
			S	42 40.2				
SEP	12	PNS	P	11 44 14.5		1.0	7.5	
		LPB	eP	11 44 23				
SEP	12	USCGS	11 29 40.3, 23.1S, 170.6E, H = 49 Km, M = 6.1					
		LOYALTY IS REG						
		TRJ	PKP	11 48 05.3	C			
		LPB	ePKP	11 48 09.5				110.6
			PP	48 45				
			SKS	54 48				
			SS	12 04 00				
			G	15.8				
			eL	22 00				
		PNS	PKP	11 48 10.4		1.4	30.8	
			i	48 43.1				
			ePKS	51 21				
			iSS	12 04 20				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	12	PNS	P	11 52 34.6		0.5	3.4	7.8
			eS	54 03				
SEP	12	LPB	eP	11 59 06.5				
			e	59 21.5				
		PNS	P	11 59 11.9		1.3	25.8	
			e	12 02 01.5				
		TRJ	P	11 59 25.6	C			
SEP	12	TRJ	P	14 07 59.1	C			4.3
			S	08 49.0				
SEP	12	PNS	eP	15 05 17				
			e	06 01				
SEP	12	USCGS	15 56 38, 31.8S, 72.1W, H = 36 Km, M = 4.3					
		OFF CST OF CENTRAL CHILE						
		LPB	eP	16 00 13		0.7	6.5	15.3
			eL	04 00				
		PNS	eP	16 00 22.3				
			eL	03.9				
SEP	12	USCGS	16 41 01.7, 39.4N, 120.1W, H = 8 Km, M = 5.4					
		N CALIFORNIA						
		LPB	P	16 52 29				73.8
			pP	52 43.5				
			PP	55 14				
			S	17 02 19				
			G	14.3				
			eL	18 00				
		PNS	eP	16 52 34		1.6	36.4	
			iS	17 02 17				
			SS	08 09				
			eSSS	11 27				
			G	14.4				
			L	18.3				
SEP	12	USCGS	17 20 13.3, 39.4N, 120.2W, H = 33 Km, M = 4.8					
		N CALIFORNIA						
		PNS	eP	17 31 45.5				
			eL	55.2				
		LPB	eP	17 31 46				73.8
			eL	55 00				
SEP	12	LPB	iP	18 32 55.0	C	0.9	18.7	2.3
			S	33 23.5				
		PNS	P	18 33 01.6		0.4	6.9	2.8
			S	33 35.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	13	USCGS	00 50 42.8, 23.0S, 170.6E, H = 28 Km, M = 5.0					
		LOYALTY IS REG						
		PNS	eSS	01 25 16				
			eL	43 00				
SEP	13	PNS	eP	02 57 14				
			S	57 54				3.4
SEP	13	LPB	P	03 09 50.7		0.6	5.4	
SEP	13	LPB	P	05 21 55.2		0.9	6.8	
			(S)	22 36.5				
		PNS	iP	05 21 58.6	D	0.8	6.5	
SEP	13	USCGS	05 45 44, 24.3S, 67.1W, H = 184 Km, M = 4.2					
		CHILE-ARGENTINA BOR REG						
		TRJ	iP	05 46 42.2	C			
		LPB	P	05 47 35.6		0.6	9.6	7.7
			eS	49 02.5				
		PNS	P	05 47 38.6	C	0.4	3.4	
			S	49 09				
			eL	49 00				
SEP	13	TRJ	P	07 07 22.6	C			3.3
			S	08 01.5	C			
		LPB	P	07 07 37.2		0.8	4.2	3.7
			eS	08 20				
		PNS	eP	07 07 40		0.3	3.3	
			eS	08 33				
SEP	13	LPB	P	08 50 39.5		1.0	8.0	
		PNS	P	08 50 42.2		1.2	29.0	
SEP	13	USCGS	09 38 57, 23.1S, 170.6E, H = 33 Km, M = 4.9					
		LOYALTY IS REG						
		PNS	eL	10 31 00				
SEP	13	TRJ	iP	10 23 46.5	D			
		LPB	P	10 24 42.6		0.8	11.2	7.7
			S	26 09.5				
		PNS	iP	10 24 45.7		0.8	9.7	7.8
			S	26 13.3				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	13	PNS	iP	12 54 29.1	D	0.4	3.4	1.9
			iS	54 52.5				
		LPB	P	12 54 55	C	0.7	19.5	
SEP	13	PNS	iP	13 35 34.3	D	0.2	3.2	1.7
			S	35 55				
SEP	13	USCGS	14 15 18, 21.9S, 66.3W, H = 218 Km, M = 4.3					
		S BOLIVIA						
		TRJ	iP	14 16 00.0	D			
			iS	16 31.1				
		LPB	P	14 16 42.5		1.0	24.0	5.6
			eS	17 48.5				
		PNS	iP	14 16 44.9	D	0.5	19.3	
			iS	17 50.5				
SEP	13	TRJ	P	14 37 18.3	C			
		PNS	iP	14 38 17.6	D	0.4	3.4	7.8
			S	39 46				
SEP	13	PNS	P	15 55 22.6	C	1.0	10.5	
SEP	13	USCGS	21 26 42.2, 36.6N, 138.2E, H = 26 Km, M = 4.7					
		HONSHU, JAPAN						
		LPB	ePKP	21 46 30		1.0	12.0	149.0
			eL	22 37 00				
		PNS	PKP	21 46 30.3		1.2	14.8	
			SS	22 09 00				
			eL	37 00				
SEP	13	USCGS	22 53 57.9, 24.1S, 175.4W, H = 46 Km, M = 5.5					
		S OF TONGA IS						
		LPB	eP	23 07 10				98.1
			eL	40 00				
		PNS	eP	23 07 28.6				
			eSKS	18 13				
			eSS	25 40				
			L	39.9				
SEP	13	USCGS	23 46 38, 53.6N, 35.2W, H = 33 Km, M = 4.7					
		N ATLANTIC OCEAN						
		LPB	eP	23 58 19				75.2
			eL	00 22 00				
		PNS	P	23 58 19.5		1.0	11.8	
		CCH	P	25 58 20.8	C			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	13	USCGS	23 45 16.3, 9.4N, 126.0E, H = 70 Km, M = 5.3					
		MINDANAO, P. I.						
		LPB	ePKP	00 05 12				
			eL	01 03 00				
		PNS	PKP	00 05 17.0				
SEP	14	USCGS	00 21 01.3, 23.2S, 170.6E, H = 51 Km, M = 5.4					
		LOYALTY IS REG						
		LPB	ePKP	00 39 31				
			eL	01 13 00				110.2
		PNS	ePKP	00 39 32.8				
			eL	01 12.9				
SEP	14	PNS	P	00 55 32.5				
			S	55 57				2.0
SEP	14	USCGS	00 47 04, 14.6N, 56.4E, H = 23 Km, M = 5.0					
		ARABIAN SEA						
		LPB	ePKP	01 06 07				
			eL	47 00				126.6
		PNS	ePKP	01 06 09.6				
			eSS	23 20				
			eL	47 00				
SEP	14	USCGS	01 14 22.8, 36.4N, 138.0E, H = 64 Km, M = 4.6					
		HONSHU, JAPAN						
		PNS	PKP	01 34 08.7		1.6	64.0	
			eL	02 25 00				
		LPB	PKP	01 34 10.8		1.1	23.0	149.4
			eL	02 25 00				
		CCH	PKP	01 34 15.8				
SEP	14	CCH	eP	02 30 57.9				
		PNS	iP	02 31 10.0	C	1.1	18.9	
			i	31 57.0				
SEP	14	CCH	P	03 59 40.4	C			
			S	04 00 04.7				1.7
SEP	14	PNS	P	04 02 59.4		0.9	26.2	
			eL	19 00				
		LPB	P	04 03 00		0.9	17.0	
			eL	19 00				
		CCH	P	04 03 01.8	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	14	TRJ	P	05 26 51.2	C			
		CCH	iP	05 26 58.8	D			4.7
			S	27 53.8				
		LPB	P	05 27 01.5		0.6	25.2	5.1
			S	28 00.5				
		PNS	iP	05 27 03.7	D	0.8	68.2	5.7
			S	28 09.8				
SEP	14	CCH	P	05 57 01.1	D			
SEP	14	LPB	P	06 02 29.4	C	0.7	9.1	
		PNS	P	06 02 34.9	C	0.7	10.7	2.7
			S	03 07				
SEP	14	PNS	iP	07 33 55.4	D	0.6	22.6	1.8
			iS	34 17.4				
		LPB	P	07 33 57.7		0.8	5.6	1.8
			S	34 19.5				
SEP	14	PNS	P	07 44 52.4		0.7	7.7	1.9
			S	45 15.8				
SEP	14	PNS	P	09 22 49.6		0.8	6.8	3.8
			eS	23 33.4				
SEP	14	PNS	P	17 22 38.0				3.3
			S	23 16.6				
SEP	14	LPB	P	18 20 06.5		0.5	7.8	2.3
			S	20 34.5				
		PNS	iP	18 20 07.0	D	0.5	14.6	2.1
			S	20 32.5				
SEP	14	USCGS	20 00 49.0, 1.4S, 126.7E, H = 33 Km, M = 5.0					
		MOLUCCA SEA						
		PNS	ePKP	20 20 44				
			eSS	44 50				
			eL	21 14.4				
		CCH	eP	20 21 11				
		LPB	eL	21 15 00				156.2

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	14	USCGS	23 18 41.6, 60.1S, 27.0W, H = 33 Km, M = 6.2					
		S SANDWICH IS REG						
		TRJ	iP	23 27 13.6	C			
		CCH	iP	23 27 28.8	C			
			S	28 17.5				
		LPB	iP	23 27 55.8	C	1.1	220.8	52.1
			e	28 46				
			PP	30 05				
			eS	35 24				
			L	43.5				
		PNS	iP	23 27 58.6	C	0.9	273.1	
			ipP	28 07.9				
			iPP	30 02				
			iS	35 28				
			L	43.6				
SEP	14	LPB	eP	23 46 51				
		PNS	P	23 46 51.2		0.6	4.2	
SEP	14	CCH	eP	23 57 52.6				
		LPB	eP	23 58 00				
		PNS	eP	23 58 01				
			i	58 24				
SEP	15	LPB	eP	00 39 41				
		PNS	eP	00 39 41.5				
SEP	15	USCGS	00 40 10, 60.6S, 27.6W, H = 33 Km, M = 5.1					
		S SANDWICH IS REG						
		CCH	P	00 49 10.6	C			
		LPB	P	00 49 23.7		1.0	20.0	52.3
		PNS	iP	00 49 26.8	C	0.9	77.4	
			eS	56 40				
SEP	15	PNS	P	00 53 07.6		0.8	4.8	
		LPB	eP	00 53 08				
SEP	15	LPB	eP	00 56 52				
		PNS	iP	00 56 53.0	C	0.5	2.9	1.8
			S	57 14.7				
SEP	15	LPB	eP	01 20 38.5				
		PNS	eP	01 20 40.6		0.8	3.9	
SEP	15	LPB	P	01 21 34		0.9	8.5	
		PNS	P	01 21 36.5		0.9	6.5	
			i	22 34.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	CCH	eP	01 27 18.2				
		PNS	P	01 27 34		0.5	2.3	
SEP	15	PNS	P	01 31 37.1		0.9	5.5	
SEP	15	PNS	P	01 48 38.9		0.6	8.4	4.1
			i	48 56.2				
			S	49 27.0				
		LPB	P	01 48 44		0.7	3.9	3.5
			S	49 25.5				
SEP	15	USCGS	01 46 28.7, 60.3S, 26.8W, H = 33 Km, M = 5.2					
		S SANDWICH IS REG						
		TRJ	P	01 55 03.8	D			
		CCH	iP	01 55 30.4	C			
			S	56 46				
		LPB	iP	01 55 44		1.3	64.2	52.3
			eS	02 03 13				
			eL	12.5				
		PNS	iP	01 55 46.4	C	0.9	17.5	
			i	58 28.2				
			PPP	58 41.8				
			eS	02 03 15				
			eL	05.6				
SEP	15	LPB	P	02 05 37.3		1.0	12.0	
		PNS	iP	02 05 40.6	D	1.0	15.1	
SEP	15	CCH	eP	02 07 36.8				
		PNS	P	02 07 53.1	D	1.0	10.0	
SEP	15	CCH	P	02 12 24.2	D			0.7
			S	12 34.8				
		LPB	P	02 12 38		1.0	18.0	
		PNS	P	02 12 40.0	C	0.9	12.0	
SEP	15	LPB	P	02 17 34.2		1.0	8.0	
		PNS	P	02 17 37.6		1.0	8.8	
SEP	15	PNS	P	02 33 30.7		0.7	3.3	
		LPB	P	02 33 31.6		0.6	3.6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	USCGS	02 24 51.4, 60.2S, 26.6W, H = 33 Km, M = 5.5					
		S SANDWICH IS REG						
		TRJ	iP	02 33 25.8	C			
		CCH	iP	02 33 53.1	C			
			S	34 23.3				
		LPB	iP	02 34 06.5	C	0.9	177.0	52.3
			eS	41 12				
			eSS	45 38				
			eL	50 00				
		PNS	iP	02 34 09.6	C	1.0	240.0	
			eS	41 30				
SEP	15	CCH	eP	02 39 02.0				
		LPB	eP	12 39 06.2		0.4	5.6	
			(S)	41 33.5				
		PNS	eP	02 39 10				
			eS	41 40				
SEP	15	USCGS	02 53 38.0, 60.4S, 26.6W, H = 33 Km, M = 5.5					
		S SANDWICH IS REG						
		TRJ	P	03 02 14.0	c			
		CCH	P	03 02 40.4	D			
			S	04 10.8				
		LPB	P	03 02 54	C	1.1	46.0	52.4
			PP	04 23.7				
			eS	10 21.5				
			eL	18 00				
		PNS	iP	03 02 56.3	C	1.3	60.6	
			i	04 26.4				
			eSs	13 55				
			L	18 00				
SEP	15	USCGS	03 41 49, 60.3S, 26.7W, h + 33 Km, M = 5.1					
		S SANDWICH IS REG						
		TRJ	eP	03 50 24.8	C			
		LPB,	P	03 51 04.1		1.1	30.0	52.3
			eS	58 23				
			eL	04 06 00				
		PNS	iP	03 51 06.3		1.2	19.3	
			pP	51 16				
			PP	53 06				
			S	58 19				
			eSS	04 03 03				
			eL	06 00				
SEP	15	USCGS	03 32 40, 6.5S, 129.6E, H = 156 Km, M = 5.9					
		BANDA SEA						
		PNS	PKP	03 52 19.3				
			SS	04 15 06				
			eL	44 00				
		LPB	PKP	03 52 19.4		0.8	7.0	15.3
		CCH	ePKP	03 52 52.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	USCGS	04 07 04.8, 23.6S, 175.8W, H = 67 Km, M = 5.3					
		TONGA IS REG						
		LPB	eP	04 20 29				98.6
			eSKS	31 21				
			eL	53 00				
		PNS	eP	04 20 40'				
			pP	20 51.4				
			ePP	24 37.7				
			eSKS	31 25				
			L	53.7				
SEP	15	LPB	eP	04 36 51				
		PNS	eP	04 36 53				2.3
			S	37 20				
SEP	15	LPB	P	05 00 21.0		0.9	6.8	
		PNS	P	05 00 22.8		1.0	5.0	
SEP	15	USCGS	06 07 56, 60.2S, 26.8W, H = 31 Km, M = 5.3					
		S SANDWICH IS REG						
		TRJ	P	06 16 30.1				
		CCH	iP	06 16 57.5	D			
			S	18 46.4				
		LPB	iP	06 17 10.5	C	1.0	50.0	52.3
			ePP	19 09.5				
			eS	24 23				
			eL	29 00				
		PNS	iP	06 17 13	C	1.0	50.0	
			i	19 03.4				
			PP	19 13.6				
			S	24 36				
			eL	29 00				
SEP	15	USCGS	06 22 07, 60.2S, 26.8W, H = 33 Km, M = 5.4					
		S SANDWICH IS REG						
		TRJ	P	06 30 08.3	D			
		CCH	iP	06 31 08.3				
		LPB	P	06 31 21		1.3	53.2	52.3
			eS	31 32				
			eL	47 00				
		PNS	iP	06 31 24.2		1.4	63.5	
			iPP	33 28.4				
			L	46 00				
SEP	15	LPB	P	06 55 31.7		0.9	5.1	
		PNS	P	06 55 34.8		1.0	6.3	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	LPB	eP	07 02 00.7				
		PNS	P	07 02 02.6		0.8	3.8	
SEP	15	CCH	P	07 14 23.2	D			
		LPB	P	07 14 31.8		0.9	8.5	
		PNS	iP	07 14 39.0	D	0.9	9.8	
SEP	15	CCH	P	07 21 28.6	C			
		LPB	P	07 21 51		0.8	8.4	
		PNS	P	07 21 59.7				2.5
			S	22 30				
SEP	15	USCGS	07 50 54, 8.1S, 117.0E, H = 181 Km, M = 5.2					
		SUMBAWA IS REG						
		LPB	PKP	08 10 28		0.9	6.8	154.8
			e	10 37				
			PKP2	10 49				
			eL	09 04 00				
		PNS	ePKP	08 10 29.5				
			iPKP2	11 48.6				
			eSS	34 15				
			eL	09 03.9				
SEP	15	CCH	iP	08 15 13.5	D			
			S	15 38.9				2.1
SEP	15	CCH	P	08 23 42.1	C			
		LPB	P	08 23 57.5	D	0.9	11.9	
		PNS	iP	08 24 00.8	D	0.9	12.0	
SEP	15	CCH	P	08 56 44.1	C			
			S	56 47.6				
		PNS	P	08 57 24.1				
SEP	15	LPB	eP	09 13 09				
		PNS	eP	09 13 11		0.9	5.6	
SEP	15	LPB	P	09 48 23.6		1.0	8.0	
		PNS	P	09 48 26.6		0.6	4.9	
			i	48 43.0				
SEP	15	CCH	iP	10 44 56.9	C			3.5
			S	45 37.8				
		LPB	P	10 45 34.7		0.9	15.3	2.8
			S	46 07.6				
		PNS	eP	10 45 41.5				2.9
			S	46 16.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	USCGS	10 37 16, 19.1N, 107.9W, H = 33 Km, M = 4.8					
			OFF CST OF JALISCO, MEXICO					
		PNS	P	10 46 28.2		0.9	14.0	
			eL	11 02 00				
		LPB	eP	10 46 30.5				52.6
			eL	11 02 00				
		CCH	P	10 46 43.4	D			
SEP	15	PNS	P	11 53 17.0		0.7	3.3	
SEP	15	PNS	iP	12 00 09.0	D	0.5	2.9	
		CCH	iP	12 00 10.0	C			
SEP	15	USCGS	11 51 55.7, 60.3S, 26.7W, H = 33 Km, M = 5.7					
			S SANDWICH IS REG					
		TRJ	iP	12 00 23.1	C			
		LPB	iP	12 01 10.5		1.4	192.2	52.3
			ePP	03 09.5				
			S	08 36				
			L	16 00'				
		PNS	iP	12 01 13.6	C	1.3	216.0	
			PP	03 13				
			iPPP	04 10.0				
			i	06 29.9				
			S	08 43				
			eSS	12 13				
			eL	15.7				
SEP	15	USCGS	11 59 57, 60.2S, 26.4W, H = 33 Km, M = 5.5					
			S SANDWICH IS REG					
		TRJ	iP	12 08 28.9	D			
		CCH	P	12 09 00	D			
			S	09 13.4				
		LPB	P	12 09 13		1.1	97.0	52.3
			pP	09 21				
			PP	11 15				
			eL	11 00				
		PNS	iP	12 09 15.6	C	1.3	77.9	
			e	14 30.4				
			eS	16 34				
			L	25 00				
SEP	15	USCGS	12 24 56, 10.0S, 160.8E, H = 53 Km, M = 5.3					
			SOLOMON IS					
		PNS	ePKP	12 43 38				
			L	13 19 00				
		LPB	eL	13 19 00				115.5

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	LPB	eP	13 03 20				
		PNS	P	13 03 32.8	D	0.9	4.4	
			i	03 43.3				
SEP	15	USCGS	14 14 19.4, 23.1S, 170.8E, H = 26 Km, M = 5.0					
			LOYALTY IS REG					
		LPB	eL	15 06 00				110.0
		PNS	eL	15 06.3				
SEP	15	USCGS	17 10 46.8, 22.8N, 121.4E, H = 47 Km, M = 5.5					
			TAIWAN REG					
		LPB	iPKP	17 30 52.7		1.0	52.0	169.2
			ePP	35 50				
			eL	18 31 00				
		CCH	iPKP	17 30 52.8	C			
			S	32 11.3				
		PNS	iPKP	17 30 53.7	C	1.0	33.5	
			pPKP	31 02.6				
			PKP2	32 00.9				
			PP	35 50				
			SKS	37 50				
			ePP	39 54.5				
			SS	56 45				
			L	18 31 00				
SEP	15	USCGS	17 24 45.6, 29.9N, 121.3E, H = 49 Km, M = 4.8					
			TAIWAN REGION					
		PNS	iPKP	17 44 51.2	D	0.9	11.4	
			eSS	18 10 53				
			eL	45.1				
		LPB	PKP	17 44 51.5				169.1
			eL	18 45 00				
		CCH	PKP	17 44 52.1	D			
SEP	15	USCGS	17 48 30.3, 38.7S, 73.0W, H = 61 Km, M = 4.9					
			NR CST OF CENTRAL CHILE					
		CCH	iP	17 53 21.0	D			1.0
			S	53 34.7				
		LPB	PKP	17 53 27		1.0	17.0	22.7
			pP	53 37				
			eL	59 00				
		PNS	iP	17 53 28.6	C	1.0	14.3	
			pP	53 38.5				
			eL	59.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	15	USCGS N CHILE	19 17 35, 20.0S, 69.0W, H = 127 Km, M = 4.6					
		CCH	iP	19 18 30.3	C			
		LPB	iP	19 18 30.4	C	0.7	75.5	3.6
			S	19 12				
		PNS	iP	19 18 33.6	C	0.9	182.0	
			iS	19 14				
SEP	15	LPB	iP	20 48 16.3	D	0.5	57.3	3.3
			S	48 55				
		PNS	iP	20 48 18.2	D	0.4	32.2	3.6
			iS	49 00.6				
SEP	15	PNS	P	21 26 08.2	C	0.6	3.3	
		LPB	eP	21 26 10.5		0.7	7.8	
SEP	15	PNS	P	23 44 36.6		0.3	1.5	1.9
			S	45 00				
SEP	15	USCGS NR CST OF N CHILE	23 44 44, 26.4S, 70.0W, H = 70 Km, M = 4.5					
		LPB	eP	23 47 09.5				10.1
			i	47 22.0				
			eS	48 58				
		PNS	P	23 47 10.8		0.4	1.8	
			i	47 25.9				
			S	49 02				
			eL	49.6				
SEP	16	USCGS TAIWAN REGION	02 01 57.1, 22.7N, 121.2E, H = 33 Km, M = 5.0					
		LPB	ePKP	02 22 03.5		0.9	5.1	166.8
			eL	03 21.5				
		PNS	PKP	02 22 04		1.0	7.2	
			eSS	42 42				
			eL	03 21 00				
SEP	16	USCGS UNIMAK IS REG	02 48 21.8, 54.1N, 163.5W, H = 39 Km, M = 5.3					
		PNS	eP	03 02 32				
			eSKS	13 13				
			SS	22 12				
			eL	38.8				
		LPB	eP	03 02 34				106.1
			eL	38 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	16	PNS	eP	04 11 12.2				
			i	11 21.9				
		LPB	eP	04 11 21				
SEP	16	TRJ	iP	07 45 56.9	D			
		LPB	P	07 46 53.0	D	7.8	7.3	
			S	48 16				
		PNS	iP	07 46 56.8	D	0.5	4.4	7.5
			S	48 22				
SEP	16	USCGS W NEW GUINEA REG	07 50 39.7, 1.8S, 134.3E, H = 21 Km, M = 5.4					
		LPB	ePKP	08 10 34				159.9
			i	10 37.4				
			pPKP	10 44.5				
			PKP2	11 10.5				
			eL	09 06				
		PNS	PKP	08 10 34.3		1.6	26.8	
			i	10 37.8				
			pPKP	10 44.9				
			eL	09 06 00				
		TRJ	PKP	08 10 38.0	C			
SEP	16	LPB	eP	09 22 00		0.6	4.8	
		PNS	P	09 22 06.3				
SEP	16	LPB	eP	12 14 37		0.5	7.8	
		PNS	eP	12 14 40.8		0.5	2.7	
			e	16 24				
SEP	16	USCGS S OF PANAMA	12 28 24.6, 5.2N, 82.5W, H = 33 Km, M = 4.5					
		LPB	eP	12 33 48				25.2
			epP	33 56				
			eL	41 00				
		PNS	iP	12 33 50.3	D	0.9	15.6	
			eS	38 00				
			eL	40.6				
SEP	16	USCGS TONGA IS REG	13 02 28, 23.9S, 175.7W, H = 33 Km, M = 4.9					
		PNS	eP	13 16 04				
			eSKS	26 50				
			eL	49 00				
		LPB	eL	13 50 00				98.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	16	USCGS	14 52 52.1, 14.2N, 91.2W, H = 81 Km, M = 4.5					
			GUATEMALA					
		PNS	P	15 00 02				
			pP	00 20				
			PP	01 35.4				
			ePeP	02 18.2				
			eS	05 56				
			eL	11 00				
		LPB	eP	15 00 05				38.2
			epP	00 23				
			eL	12 00				
SEP	16	PNS	P	15 30 09.2				1.9
			S	30 32				
SEP	16	USCGS	07 05 25.2, 18.7S, 169.0E, H = 212 Km, M = 5.9					
			NEW HEBRIDES					
		PNS	ePKP	17 23 38.3				
			eSS	40 10				
			eG	51.5				
			eL	59 00				
		LPB	ePKP	17 23 39				113.6
			eL	58 00				
SEP	16	USCGS	17 10 39, 53.8N, 163.1W, H = 34 Km, M = 4.9					
			UNIMAK IS REG					
		PNS	P	17 24 48.8				
			eL	18 01.3				
SEP	16	PNS	iP	23 45 05.5		0.7	6.3	5.6
			i	45 09.3				
			eS	46 10				
		LPB	iP	23 45 09.6		0.8	11.2	
			i	45 12.8				
			(S)	46 12				
		TRJ	P	23 45 20.3	D			
SEP	17	LPB	P	00 32 12		0.6	12.0	
			(S)	32 37.5				
		PNS	iP	00 32 12.7	D	0.7	13.4	2.2
			iS	32 39.0				
SEP	17	USCGS	01 23 17.0, 58.5N, 152.0W, H = 46 Km, M = 4.7					
			KODIAK IS REG					
		LPB	P	01 37 05				101.8
			eL	02 12 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	17	LPB	eP	02 06 25.6				
		PNS	P	02 06 45.6				
			S	07 08.2				1.8
SEP	17	USCGS	03 43 55, 23.4S, 175.3W, H = 33 Km, M = 4.9					
			TONGA IS REG					
		LPB	eP	03 57 24		0.9	6.8	98.0
			eL	04 30 00				
		PNS	P	03 57 26.1		1.0	10.5	
			eL	04 30.5				
SEP	17	LPB	eP	06 02 40		1.0	8.0	
		PNS	P	06 02 41.0	C	0.6	4.6	
SEP	17	PNS	iP	06 52 40.0	D	0.5	71.6	1.9
			iS	53 03				
		LPB	iP	06 52 42.2	D	0.7	52.0	3.4
			S	53 22.6				
SEP	17	LPB	eP	09 55 49				
		PNS	P	09 55 50		0.8	4.6	
SEP	17	PNS	P	09 57 4055		0.6	3.3	
			(S)	58 19				
SEP	17	LPB	P	10 07 02		0.4	12.8	
		PNS	eP	10 07 07.3				3.3
			S	07 46.5				
SEP	17	PNS	iP	11 40 07.7	D	0.3	4.6	1.3
			S	40 25.0				
SEP	17	USCGS	12 55 24.0, 5.1S, 77.5W, H = 89 Km, M = 4.3					
			N PERU					
		LPB	eP	12 58 48				14.4
			eL	13 03 00				
		PNS	eP	12 58 51.8				
			eL	13 03.9				
SEP	17	PNS	eP	15 23 37				2.7
			S	24 09				
SEP	17	PNS	P	15 40 11.6		1.5	20.6	
			eL	48.3				
		LPB	eP	15 40 17.4		1.3	22.3	
			eL	48 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	17	PNS	iP	15 46 24.9	D	0.3	2.6	1.8
			S	46 46.8				
SEP	17	PNS	P	16 26 52.6		0.6	3.9	5.8
			S	27 58.8				
		LPB	eP	16 27 00		0.7	7.8	8.0
			S	28 30				
SEP	17	USCGS	17 19 01.0, 28.5S, 67.5W, H = 48 Km, M = 4.8					
		LA RIOJA PROVINCE, ARGENTINA						
		TRJ	eP	17 20 51.6				
			iP	20 58.4	D			
		LPB	eP	17 21 51		0.6		11.8
			eS	23 58.5				
			L	25 00				
		PNS	P	17 21 57				
			i	22 00.4				
			eS	24 00				
			eL	25.3				
SEP	17	PNS	iP	17 34 52.4		0.3	7.1	1.9
			S	35 16				
SEP	17	PNS	P	18 28 26.8		1.0	12.2	
SEP	17	USCGS	19 42 52, 40.0N, 41.8E, H = 33 Km					
		TURKEY						
		LPB	eL	20 38 00				115.7
		PNS	eL	20 39 00				
SEP	17	USCGS	20 17 26, 27.7S, 176.6W, H = 37 Km, M = 5.2					
		KERMADEC IS REG						
		PNS	eP	20 30 45.6				
			SKS	41 42				
			PS	43 58				
			SS	48 56				
			L	21 02.4				
		LPB	P	20 30 46				97.7
			SKS	41 39				
			PS	43 50				
			eSS	49 02				
			L	21 02.9				
SEP	17	LPB	eP	20 58 27		0.6	7.2	7.2
			S	59 48.2				
		PNS	P	20 58 31.4				5.7
			S	59 36.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	17	PNS	iP	22 48 52.8	C	0.6	47.4	1.9
			S	49 16				
		LPB	iP	22 48 59.2		0.7	130.0	2.1
			S	49 24.0				
SEP	17	LPB	P	23 19 42		0.5	6.5	
		PNS	P	23 19 44		0.5	3.4	
SEP	17	USCGS	23 16 45, 9.4S, 115.1E, H = 65 Km, M = 5.2					
		S OF BALI IS						
		LPB	ePKP	23 36 28				153.9
			eL	00 29 00				
		PNS	PKP	23 36 34.0		1.0	4.9	
			e	37 07				
			eSS	00 00 10				
			L	29 00				
SEP	18	PNS	P	00 37 53.5				4.2
			S	38 42.8				
		LPB	eP	00 38 08		1.0	8.0	4.4
			eS	38 59				
SEP	18	USCGS	00 35 17.8, 37.5N, 140.5E, H = 65 Km, M = 4.6					
		HONSHU, JAPAN						
		LPB	ePKP	00 54 52				147.2
			pPKP	55 19.5				
		PNS	ePKP	00 54 53.7		2.0	48.8	
			ipPKP	55 17.2				
SEP	18	PNS	eP	01 31 47.8				
			eS	31 27.8				
SEP	18	USCGS	01 59 59, 29.6N, 132.1E, H = 33 Km, M = 4.8					
		S E OF SHIKOKU, JAPAN						
		PNS	ePKP	02 19 54				
		LPB	ePKP	02 19 55				157.0
			eL	03 13 00				
SEP	18	TRJ	P	05 34 27.3	D			3.6
			S	35 09.3				
		LPB	P	05 34 49.5		0.6	4.8	6.0
			i	35 21.2				
			eS	35 59				
		PNS	P	05 34 52.0		0.7	9.6	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	18	USCGS	05 22 31.2, 42.3N, 142.8E, H = 73 Km, M = 5.1					
			HOKKAIDO, JAPAN REG					
		PNS	ePKP	05 41 57				
			SS	06 03 52				
			eL	30 00				
		LPB	ePKP	05 41 57.5		0.8	2.6	143.2
SEP	18	TRJ	P	05 42 16.2	D			
SEP	18	BNS	iP	06 10 22.8	D	0.4	42.2	1.9
			iS	10 45.9				
		TRJ	P	06 10 27.0				2.5
			S	10 57.5				
SEP	18	PNS	P	06 34 17				2.8
			S	34 50.8				
SEP	18	USCGS	06 40 36.8, 18.4S, 132.8W, H = 33 Km, M = 5.1					
			S PACIFIC OCEAN					
		PNS	iP	06 50 52.0	D	0.8	24.4	
			i	50 57.8				
			pP	51 03.4				
			eSS	07 03 17				
			L	10.2				
		LPB	P	06 50 53.5		1.0	10.0	61.1
			pP	51 03.5				
			eL	07 10 00				
SEP	18	PNS	P	09 58 11.7		0.8	5.6	
SEP	18	USCGS	11 33 19, 15.4S, 76.5W, H = 35 Km, M = 4.5					
			OFF CST OF PERU					
		PNS	P	11 35 12.6		0.4	2.3	
			S	36 40				
			L	37 00				
		LPB	eP	11 35 16				8.0
			S	36 45				
SEP	18	PNS	eP	13 39 21				5.5
			S	40 23.8				
SEP	18	USCGS	14 15 57.2, 22.6N, 102.1E, H = 33 Km, M = 5.4					
			YUNNAN PROVINCE, CHINA					
		PNS	ePKP	14 36 05.6				
			PKP2	37 15.8				
			SKS	43 11				
			eSS	15 21 46				
			eL	36 00				
		LPB	ePKP	14 36 06				169.1
			eL	15 36 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	18	USCGS	15 14 24.9, 60.4S, 27.0W, H = 33 Km, M = 5.4					
			S SANDWICH IS REG					
		TRJ	eP	15 22 59.7	D			
		LPB	P	15 23 39		1.3	25.2	52.3
			pP	23 48				
			S	31 00				
			eL	39.8				
		PNS	iP	15 23 42.1	D	1.2	21.1	
			iS	31 15.0				
			eL	40 00				
SEP	18	PNS	P	15 57 41.9	D	0.4	2.4	1.8
			S	58 04.2				
SEP	18	PNS	eP	16 31 25				3.5
			S	32 06				
			i	32 15.8				
		LPB	eP	16 31 25.5				3.1
			S	32 02				
SEP	18	USCGS	17 58 20.1, 60.4S, 27.1W, H = 38 Km, M = 5.5					
			S SANDWICH IS REG					
		TRJ	eP	18 06 53.1	C			
		LPB	P	18 07 34.2		1.2	23.4	52.3
			pP	07 45.5				
			eS	14 55				
			eL	23 00				
		PNS	P	18 07 36.1	C	1.0	17.5	
			eS	15 02				
			eSS	18 43				
			L	22.7				
SEP	18	LPB	iP	19 36 34	C	0.6	13.6	7.9
SEP	18	USCGS	19 44 30, 23.0N, 121.2E, H = 53 Km, M = 4.8					
			TAIWAN					
		PNS	ePKP	20 04 33				
			eL	44 00				
		LPB	eL	20 44 00				169.1
SEP	18	USCGS	20 36 34, 5.8N, 126.1E, H = 57 Km, M = 5.0					
			MINDANAO, P.I.					
		PNS	ePKP	20 56 31.6				
			eSS	21 21 21				
			L	53 00				
		LPB	eL	21 53 00				162.3

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	18	USCGS	20 43 53.3, 27.8N, 54.3E, H = 16 Km, M = 6.2					
		S IRAN						
		LPB	iPKP	21 02 58	C	1.1	126.5	126.0
			(eSKS)	09 55.5				
			eL	43 00				
		PNS	iPKP	21 02 58.5	C	1.1	224.3	
			iPP	04 49.9				
			i	06 33.8				
			SKS	10 06				
			L	43.2				
SEP	18	LPB	eP	21 15 58				
SEP	18	USCGS	21 37 02.8, 41.3S, 87.3W, H = 33 Km, M = 4.6					
		W CHILE RISE						
		LPB	eP	21 43 08				29.7
		PNS	P	21 43 08.8		1.6	49.1	
			eS	48 00				
			L	51.6				
SEP	18	LPB	iP	22 00 52	C	1.4	44.0	
		PNS	P	22 00 54.4		1.2	25.0	
SEP	18	LPB	P	22 16 33.5		0.4	6.4	
			(S)	17 09.5				
		PNS	P	22 16 44.0		0.5	3.4	3.1
			S	17 20				
SEP	18	LPB	iP	23 54 56	D	0.4	22.4	2.5
			S	55 26.5				
		PNS	iP	23 55 02.2	D	0.4	4.8	3.1
			iS	55 38.7				
SEP	19	PNS	eP	00 13 26.8				
		LPB	eP	00 13 36				
SEP	19	LPB	eP	00 35 10				
SEP	19	PNS	P	00 42 23.4		0.9	4.3	
		LPB	P	00 42 31.7		1.0	8.0	
SEP	19	LPB	P	02 05 55.7		0.7	5.1	2.8
			S	06 29				
		PNS	P	02 05 57.4		0.6	2.8	
			(S)	06 30.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	19	PNS	iP	02 24 19.5	D			1.8
			iS	24 41.6				
		LPB	P	02 24 21.2		1.0	32.0	
SEP	19	USCGS	02 45 24.3, 39.5N, 120.1W, H = 33 Km, M = 4.8					
		N CALIFORNIA						
		PNS	iP	02 56 48.8	D	0.4	4.5	
SEP	19	PNS	eP	03 18 20				
			eS	19 06.5				
		LPB	P	03 18 40.5		0.9	5.1	
SEP	19	USCGS	04 24 05.1, 47.6N, 153.8E, H = 80 Km, M = 5.1					
		KURILE IS						
		PNS	PKP	04 43 14.8		1.3	21.5	
			eL	05 27.4				
		LPB	ePKP	04 43 15		1.1	11.5	133.8
			eL	05 27 00				
SEP	19	USCGS	04 53 10.5, 30.2N, 138.4E, H = 450 Km, M = 4.7					
		S OF HONSHU, JAPAN						
		LPB	PKP	05 12 16.2		0.9	10.2	161.1
			i	12 28				
			pPKP	13 11.8				
		PNS	PKP	05 12 16.3		1.0	17.5	
			i	12 26.2				
			eL	06 08.4				
SEP	19	USCGS	05 03 46.6, 23.9N, 97.6E, H = 15 Km, M = 5.1					
		BURMA-CHINA BOR REG						
		LPB	ePKP	05 23 48				164.8
			eL	06 22 00				
		PNS	ePKP	05 23 55				
			eSS	49 16				
			eL	06 22 00				
SEP	19	PNS	eP	06 14 05				
			(S)	14 36.4				
		LPB	eP	06 14 13				
SEP	19	USCGS	06 06 37.8, 3.7S, 144.2E, H = 19 Km, M = 5.2					
		NR CST OF NEW GUINEA						
		PNS	ePKP	06 26 07.5		1.0	5.0	
			ePS	39 52				
			eSS	47 56				
			eL	07 14.1				
		LPB	ePKP	06 26 10		1.1	6.9	142.0
			eL	07 14 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	19	USCGS	07 02 12.8, 20.7S, 178.4W, H = 580 Km, M = 5.3					
			FIJI IS REG					
		PNS	eP	07 15 03.6				
			eSKS	24 52				
			G	43 18				
			L	49.2				
		LPB	eP	07 15 09				102.1
			eL	51 00				
SEP	19	TRJ	P	09 17 15.0	C			3.0
			S	17 50.1				
SEP	19	TRJ	P	12 32 39.8	D			2.5
			S	33 09.5	D			
SEP	19	LPB	P	13 46 19.5				7.4
			iS	47 43.5				
		PNS	eP	13 47 11.8				3.6
			S	47 53.6				
SEP	19	LPB	eP	14 13 21.5				
SEP	19	PNS	eP	16 39 02.8		0.6	3.4	
		LPB	eP	16 39 15		1.0	12.0	
SEP	19	TRJ	iP	16 52 09.7	D			2.7
			iS	52 41.9				
		LPB	iP	16 52 33.0	C	0.8	82.0	4.9
			S	53 29.2				
		PNS	iP	16 52 42.2	C	0.6	20.8	4.7
			S	53 36.0				
SEP	19	USCGS	18 46 59.8, 60.5S, 27.2W, H = 33 Km, M = 4.9					
			S SANDWICH IS REG					
		LPB	eP	18 56 14		0.8	7.0	55.4
			pP	56 24				
			eL	19 13 00				
		PNS	P	18 56 16.2		0.9	5.4	
			pP	56 25				
			S	19 03 57				
			L	13.3				
SEP	19	PNS	P	23 33 55.7		0.6	6.2	3.9
			eS	34 41				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	20	USCGS	00 06 12, 35.6S, 104.7W, H = 33 Km, M = 4.6					
			S PACIFIC OCEAN					
		PNS	eP	00 13 26		0.9	5.4	
			pP	13 36				
			iS	19 23				
			L	24 00				
		LPB	P	00 13 26.8		1.0	10.0	37.7
			pP	13 41.3				
			eS	19 27				
			L	24 00				
SEP	20	USCGS	00 26 21, 55.8S, 28.0W, H = 52 Km, M = 4.5					
			S SANDWICH IS REG					
		LPB	eP	00 35 10				50.0
		PNS	P	00 35 13.6		0.8	4.5	
SEP	20	PNS	eP	02 06 43				
		LPB	P	02 06 54		1.0	0.8	
SEP	20	PNS	P	02 19 21.7		0.3	2.6	1.7
			S	19 43				
SEP	20	PNS	eP	04 53 13				
			i	53 26				
			(S)	54 20				
		LPB	P	04 53 15		0.5	5.2	3.9
			i	53 22.1				
			eS	54 00				
SEP	20	LPB	eP	05 47 54.5		0.9	8.5	
			eL	06 04 00				
		PNS	eP	05 47 56.2		1.0	8.7	
			L	06 03 00				
SEP	20	PNS	iP	05 55 18.7	D	0.4	23.9	2.0
			iS	55 42.6				
		LPB	eP	05 55 21.2		0.4	8.0	
SEP	20	USCGS	06 13 48, 52.2N, 173.1E, H = 21 Km, M = 4.8					
			NEAR IS ALEUTIAN IS					
		PNS	eL	07 10.9				
SEP	20	PNS	iP	09 13 11.6	C	0.4	5.3	2.0
			S	13 35.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	20	USCGS	09 24 02.8, 60.6S, 26.2W, H = 33 Km, M = 5.5					
		S SANDWICH IS REG						
		LPB	iP	09 33 20.0	C	1.3	56.6	52.8
			ipP	33 32.6				
			S	40 50.5				
			eL	49 00				
		PNS	iP	09 33 22.9	C	1.0	72.1	
			i	38 28.0				
			S	40 55.2				
			SS	44 22				
			eG	42 46				
			eL	49 00				
SEP	20	PNS	iP	10 45 42.8	D	0.5	8.0	2.1
			S	46 08'				
		LPB	eP	10 45 43		0.6	3.6	2.3
			S	46 10.2				
SEP	20	PNS	iP	11 35 18.9		1.5	34.9	
		LPB	eP	11 35 19				
SEP	20	PNS	P	12 12 22.1		1.0	6.2	
SEP	20	USCGS	14 32 43.5, 15.2S, 75.4W, H = 36 Km, M = 4.8					
		NR CST OF PERU						
		PNS	P	14 34 25.4		0.7	19.6	
			S	35 22				
			L	36.2				
		LPB	eP	14 34 32		1.0	38.0	6.7
			ipg	34 41.6				
			S	35 33				
			L	36.3				
		TRJ	P	14 35 30.7	D			
SEP	20	PNS	iP	15 11 31.0	C	0.5	9.7	2.1
			iS	11 55.8				
SEP	20	USCGS	17 32 07, 28.0S, 176.6W, H = 68 Km, M = 5.1					
		KERMADEC IS						
		LPB	eP	17 45 25				94.8
			eSKS	56 21				
			eL	18 17 00				
		PNS	eP	17 45 25				
			iSKS	56 23				
			eSS	18 03 03				
			L	17 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	20	USCGS	20 32 42.0, 44.7N, 150.4E, H = 45 Km, M = 4.7					
		KURILE IS REG						
		PNS	ePKP	20 52 00.4				
		LPB	eL	21 38 00				137.2
SEP	20	LPB	eP	23 50 00		0.9	6.8	
		PNS	P	23 50 10.2				
			S	50 45.3				3.0
SEP	20	USCGS	23 37 21.8, 24.1N, 97.6E, H = 28 Km, M = 5.2					
		BURMA-CHINA BOR REG						
		PNS	ePKP	23 57 25.3				
			eSS	00 22 33				
			eL	54 00				
		LPB	ePKP	23 57 27				164.8
			eL	00 56 00				
SEP	20	USCGS	23 43 110, 51.0N, 178.8E, H = 17 Km, M = 4.8					
		RAT IS, ALEUTIAN IS						
		PNS	ePKP	00 01 58.7				
			eL	38 00				
		LPB	ePKP	00 01 59				117.4
SEP	21	USCGS	00 26 29.0, 73.3N, 7.2E, H = 33 Km, M = 4.2					
		GREENLAND SEA						
		LPB	eL	01 15 00				101.8
SEP	21	LPB	P	01 42 04.3		0.8	8.4	
		PNS	iP	01 42 08.5	D	0.4	5.4	
SEP	21	LPB	P	02 22 19.7		1.0	9.0	3.5
			S	23 01				
		PNS	P	02 22 20.2		0.7	5.1	3.7
			S	23 03.6				
SEP	21	PNS	P	02 53 54.3	D	1.0	6.4	
		LPB	eP	02 54 00				
SEP	21	PNS	eP	04 02 20.5				2.3
			S	02 49.2				
		LPB	eP	04 02 21				
			(S)	02 50.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	21	PNS	iP	05 26 25.3	C	0.4	6.9	
SEP	21	TRJ	P	05 35 22.3	D			2.5
			iS	35 51.8				
SEP	21	PNS	iP	07 19 17.6	D	0.5	23.6	2.0
			iS	19 41.7				
		LPB	eP	07 19 19				1.9
			S	19 42.5				
SEP	21	PNS	iP	08 31 34.6	C	0.8	6.9	
SEP	21	PNS	P	09 36 31.7		0.5	2.9	
		LPB	eP	09 35 46.5				
SEP	21	PNS	P	10 00 34.8		1.2	13.3	
SEP	21	PNS	iP	10 03 03.8	D	0.4	23.7	1.8
			iS	03 26.0				
		LPB	eP	10 03 07				1.9
			S	03 30.3				
SEP	21	USCGS	10 49 03, 16.6S, 167.4E, H = 38 Km, M = 4.8					
		NEW HEBRIDES						
		LPB	ePKP	11 07 48				116.0
			eL	44 00				
SEP	21	TRJ	iP	14 58 01.7	C			
SEP	21	PNS	iP	15 19 32.7	D	0.8	157.8	1.8
			S	19 54.5				
		LPB	eP	15 19 35				
SEP	21	TRJ	P	16 19 15.2	D			
		LPB	eP	16 19 30.5				
		PNS	iP	16 19 33.5	C	0.6	10.8	
SEP	21	PNS	P	16 33 48.6		0.5	4.7	
SEP	21	TRJ	P	16 42 45.4	C			
SEP	21	PNS	eP	17 17 34		0.5	3.5	3.1
			S	18 10.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	21	LPB	iP	19 18 57.1	C	0.8	21.0	7.7
			S	20 24.5				
		PNS	P	19 19 00.8	C	0.7	15.0	7.9
			S	20 30.2				
SEP	22	PNS	P	00 16 59.3	C	0.8	13.6	
SEP	22	USCGS	00 04 28, 52.6N, 159.5E, H = 61 Km, M = 5.2					
		OFF E CST OF KAMCHATKA						
		LPB	ePKP	00 23 34				128.3
		PNS	ePKP	00 23 35				
			eSS	27 13				
			eL	01 05 00				
SEP	22	TRJ	iP	01 24 27.5	D			2.5
			iS	24 58.4				
		LPB	eP	01 25 09.5				
		PNS	iP	01 25 12.8	D	0.5	23.3	5.9
			S	26 19.8				
SEP	22	LPB	eP	04 06 09.6				
		PNS	eP	04 06 12.6				2.9
			S	06 47.8				
SEP	22	USCGS	04 15 30.9, 37.3N, 138.6E, H = 55 Km, M = 4.9					
		NR CST OF HONSHU, JAPAN						
		PNS	PKP	04 35 11	C	1.4	47.5	
			i	35 14.3				
			eSS	58 00				
			eL	05 25.9				
		LPB	ePKP	04 35 16				148.7
			eL	05 26 00				
SEP	22	TRJ	iP	05 23 09.4	D			3.7
			iS	23 52.9	C			
		LPB	eP	05 23 19				
		PNS	iP	05 23 19.6	D	0.5	13.4	
			(S)	23 59				
SEP	22	USCGS	06 09 00.0, 16.6N, 46.7W, H = 33 Km, M = 4.6					
		N ATLANTIC RIDGE						
		LPB	eP	06 16 25				39.4
			eL	27.7				
		PNS	eP	06 16 25.9		0.9	4.4	
			eSS	22 20				
			eL	27.8				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	22	USCGS	08 44 18.0, 39.5N, 120.5W, H = 33 Km, M = 4.8					
		N CALIFORNIA						
		PNS	eL	09 19.2				
SEP	22	LPB	eP	10 26 50.5				
		PNS	e(P)	10 26 52.4				
			S	28 16.8				
SEP	22	PNS	P	13 35 31.8		0.8	11.7	
SEP	22	PNS	P	16 40 07.7		0.6	4.8	
SEP	22	USCGS	18 20 45, 29.4N, 142.1E, H = 33 Km, M = 4.6					
		S OF HONSHU, JAPAN						
		LPB	ePKP	18 40 31				149.4
			L	19 31 00				
		PNS	ePKP	18 40 32.5		1.5	30.9	
			eSS	19 03 17				
			G	21 40				
			L	31.1				
SEP	22	LPB	P	18 55 31.6		0.7	7.8	
		PNS	eP	18 55 34				0.6
			S	55 43				
SEP	22	PNS	eP	19 01 02.8		1.2	11.4	
			eS	10 14				
		LPB	eP	19 01 07.5		1.0	18.0	
SEP	22	USCGS	18 56 40.9, 37.3N, 114.1W, H = 33 Km, M = 5.0					
		S NEVADA						
		PNS	eP	19 07 36.2				
			SS	22 04				
			eL	30 00				
		LPB	eS	19 16 28				68.8
			eL	30 00				
SEP	22	LPB	eP	19 31 32.5				
			eL	50 00				
		PNS	eP	19 31 39				
			L	50.1				
SEP	22	LPB	P	21 01 20.5		0.8	16.8	2.6
			S	01 51.5				
		PNS	P	21 01 27.4		0.6	8.9	3.1
			iS	02 03.9				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	22	PNS	L	22 21.2				
		LPB	eL	22 24 00				
SEP	22	PNS	P	22 14 13.9		1.1	9.5	
		LPB	P	22 14 21.2		0.9	6.8	
SEP	22	USCGS	21 54 12.1, 26.2N, 104.4E, H = 9 Km, M = 5.3					
		E CHINA						
		LPB	ePKP	22 02 20				
			eL	23 14 00				
		PNS	L	23 13.4				
SEP	22	PNS	eP	23 02 52.6		1.1	7.9	
			(S)	04 31.4				
		LPB	eP	23 02 55		0.8	8.4	9.1
			S	04 37.5				
SEP	23	USCGS	01 29 47.2, 44.7N, 150.3E, H = 34 Km, M = 5.2					
		KURILE IS REG						
		LPB	ePKP	01 49 08				137.3
			eL	02 34 00				
		PNS	PKP	01 49 11.2		1.5	17.2	
			eL	02 34.6				
SEP	23	USCGS	02 07 02.4, 52.9N, 159.7E, H = 68 Km, M = 4.9					
		OFF E CST OF KAMCHATKA						
		PNS	PKP	02 26 03				
			eSS	35 25				
			eL	03 07.1				
		LPB	ePKP	02 26 04				128.1
			eL	03 07 00				
SEP	23	PNS	eP	04 54 08		0.9	4.3	
			(S)	55 17				
		LPB	eP	04 54 14				
SEP	23	USCGS	04 51 48, 8.7S, 157.3E, H = 39 Km, M = 4.9					
		SOLOMON IS						
		PNS	PKP	05 10 55.4				
			eSS	30 15				
			eL	52.2				
SEP	23	TRJ	P	06 23 34.5	D			2.2
			S	24 00.2	D			

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	23	PNS	iP	06 54 12.9	D	0.5	7.4	
		LPB	eP	06 54 13.5				
SEP	23	PNS	P	07 22 24				
		LPB	eP	07 22 26				
SEP	23	PNS	P	08 40 52.7				
		LPB	eP	08 40 56.5				
SEP	23	TRJ	iP	14 18 29.2	D			
		PNS	iP	14 18 44.6	D	0.4	4.0	
			(S)	19 44				
		LPB	eP	14 18 47				
			eS	18 46				
SEP	23	LPB	eP	16 35 43				
		PNS	eP	16 35 44.6		0.5	2.2	
SEP	23	USCGS	18 25 53.0, 59.5S, 26.3W, H = 33 Km, M = 5.6					
		S SANDWICH IS REG						
		TRJ	iPC	18 34 22.8	C			
		LPZ	iP	18 35 07.5				
			i	35 15				
			S	42 24				
		PNS	iP	18 35 08.9	C	1.3	56.2	
			i	35 28.0				
			PP	37 05				
			iS	42 39				
			eSS	46 10				
			G	47 20				
			L	49 00				
		LPB	PP	18 37 07				52.0
			S	42 30				
			eL	51 00				
SEP	23	LPB	eP	19 26 05				5.0
			S	27 02.5				
		PNS	P	19 26 23.4		0.2	2.7	4.2
			S	27 12.4				
SEP	23	LPB	P	21 25 36.2		0.6	9.6	
		PNS	P	21 25 42.9	D	0.8	5.9	
SEP	23	TRJ	iP	23 25 08.5	D			2.6
			S	25 40.0				
		LPB	eP	23 25 39.5				
		PNS	P	23 25 43.8		0.8	4.0	
SEP	23	PNS	eP	23 34 03				3.9
			S	34 48				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	24	LPB	eP	00 19 15				
		PNS	eP	00 19 18.7		1.2	13.0	
SEP	24	PNS	iP	00 50 41.4	D	0.7	21.4	1.8
			iS	51 04.1				
		LPB	eP	00 50 44				
			S	51 07				1.9
SEP	24	USCGS	01 17 23, 19.4S, 69.6W, H = 126 Km, M = 4.0					
		N CHILE						
		LPB	iP	01 18 14.5				
			S	18 50				3.1
		PNS	iP	01 18 15.0	D			
			S	18 53.5				
		TRJ	iP	01 18 40.6	C			
SEP	24	LPB	eP	03 09 59				
		PNS	iP	03 10 05.1		0.4	7.8	4.2
			S	10 54.2				
SEP	24	LPB	eP	04 48 07				
		PNS	P	04 50 08		1.6	21.5	
SEP	24	PNS	P	05 11 29.3		0.4	2.8	4.2
			eS	12 18.4				
SEP	24	USCGS	05 35 54, 31.9S, 68.2W, H = 123 Km, M = 3.9					
		SAN JUAN PROVINCE, ARGENTINA						
		LPB	eP	05 39 27				15.1
			eL	39 45.3				
		PNS	eP	05 39 30		1.4	8.1	
			eL	45 00				
SEP	24	LPB	eP	07 47 53				
			i	47 55				
		PNS	eP	07 48 01.4'				
			e	49 10				
			eS	50 33				
SEP	24	LPB	eP	08 24 40				
		PNS	eP	08 24 40.8				
SEP	24	USCGS	08 57 10.2, 12.0N, 130.8W, H = 33 Km, M = 5.3					
		N PACIFIC OCEAN						
		PNS	P	09 08 03.3	D	1.0	12.6	
			ipP	08 16.8				
			S	17 04				
			eSS	21 36				
			L	29.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	24	PNS	P	09 36 29.3		1.6	21.5	
		LPB	eP	09 36 30				
SEP	24	USCGS	10 00 46.4, 27.4N, 54.5E, H = 33 Km, M = 5.4					
		S IRAN						
		PNS	iPKP	10 19 50.0	C	0.8	12.1	
			iPKS	23 24.2				
			eSS	38 48				
			eL	11 00 00				
		LPB	PKP	10 19 51.5				126.0
			PKS	23 23				
			eL	11 01 00				
SEP	24	PNS	P	10 24 19				1.8
			S	24 41.3				
SEP	24	LPB	P	12 40 54				2.5
			S	41 24				
		PNS	iP	12 40 55.2	D			2.6
			iS	41 26				
SEP	24	TRJ	P	15 06 47.0	D			
		LPB	eP	15 07 33.5				
		PNS	iP	15 07 34.6	C	1.0	43.0	
SEP	24	USCGS	16 16 48.0, 30.8S, 71.4W, H = 76 Km, M = 4.3					
		NR CST OF CENTRAL CHILE						
		LPB	eP	16 20 12				14.8
		PNS	P	16 20 13.0		1.0	10.9	
			eS	22 48.2				
			L	23.6				
SEP	24	PNS	iP	16 57 37.8	D	0.6	7.5	2.2
			S	58 04.7				
		LPB	eP	16 57 38.5				2.3
			S	58 06.5				
SEP	24	USCGS	16 48 31.7, 22.4S, 171.6E, H = 127 Km, M = 5.1					
		LOYALTY IS REG						
		LPB	eL	17 33 00				95.4
		PNS	eL	17 33 00				
SEP	24	PNS	P	21 49 44.9		0.7	2.7	5.8
			S	50 50.9				
		LPB	P	21 49 54.2		0.8	7.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	24	USCGS	23 49 00, 35.4N, 140.5E, H = 76 Km, M = 4.7					
		NEAR EAST COAST OF HONSHU, JAPAN						
		LPB	ePKP	00 08 30				148.0
		PNS	PKP	00 08 39.6				
SEP	25	LPB	P	01 02 25.3		0.7	5.2	
SEP	25	PNS	P	01 08 34.9		0.5	3.8	1.8
			S	08 57.6				
SEP	25	USCGS	04 49 36.9, 19.2N, 145.7E, H = 133 Km, M = 5.5					
		MARIANA IS						
		PNS	PKP	05 09 06.9	D	1.3	21.1	
			i	09 45.5				
			eSS	31 27				
		LPB	PKP	05 09 07.2	D	1.1	18.4	147.6
			pPKP	09 48.5				
SEP	25	PNS	P	05 23 14.9		0.4	2.6	2.3
			S	23 41.8				
SEP	25	USCGS	05 57 26.1, 19.7S, 69.5W, H = 123 Km, M = 5.1					
		N CHILE						
		LPB	iP	05 58 20.1	D			3.5
			e	58 36.4				
			is	59 00				
		PNS	iP	05 58 22.0	D			
			i	58 38.4				
			iS	59 04.2				
			SS	59 13				
			L	59.7				
SEP	25	TRJ	iP	06 08 36.6	C			
SEP	25	USCGS	06 02 26.4, 18.3N, 100.8W, H = 60 Km, M = 6.1					
		GUERRERO, MEXICO						
		PNS	iP	06 10 53.5	D	1.3	48.5	
			ipP	11 07.7				
			PP	12 25.8				
			S	17 42				
			eSS	21 06				
			eL	25.2				
		LPB	iP	06 10 56.2	D	1.2	60.0	47.2
			pP	11 10.3				
			iPP	12 26.7				
			S	17 47				
			L	26.4				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	25	USCGS	06 10 35.8, 39.9N, 142.9E, H = 67 Km, M = 4.9					
		NR E CST OF HONSHU, JAPAN						
		PNS	eL	07 18.5				
		LPB	eL	07 19 00				144.7
SEP	25	PNS	P	07 02 29.2				5.0
			e	02 56				
			S	03 27				
		LPB	P	07 02 53.7		0.8	4.2	
SEP	25	PNS	P	07 54 41.5		0.5	2.5	2.5
			S	55 11.8				
		LPB	eP	07 55 09.2		1.0	6.0	
SEP	25	USCGS	08 36 19.4, 22.9S, 170.5E, H = 33 Km, M = 4.9					
		LOYALTY IS REG						
		PNS	ePKP	08 54 51.7				
			eL	28 00				
SEP	25	PNS	P	10 44 13.3		0.7	4.5	
		LPB	P	10 44 13.6		0.5	10.4	
SEP	25	PNS	iP	13 28 21.0	D	0.6	48.0	2.3
			S	28 49.2				
		LPB	iP	13 28 21.2		0.5	28.8	2.1
			S	28 46.5				
SEP	25	LPB	P	16 57 24		0.7	15.6	3.0
			iS	57 59				
		PNS	eP	16 57 27.7				
			i	57 31.0				
			S	58 06.9				
SEP	25	PNS	iP	19 17 32.9	D	0.5	26.2	
		LPB	P	19 17 35.5		0.4	16.0	
SEP	25	USCGS	20 19 43, 53.0N, 159.7E, H = 48 Km, M = 5.3					
		OFF E CST OF KAMCHATKA						
		PNS	PKP	20 38 45.0		1.2	12.8	
			eL	21 20.3				
		LPB	ePKP	20 38 45.5		1.0	12.0	128.3
			eL	21 20 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	25	USCGS	23 49 00.6, 35.4N, 140.5E, H = 76 Km, M = 4.7					
		NR E CST OF HONSHU, JAPAN						
		LPB	eP	00 08 35	D			142.4
			i	08 42.2				
			pP	08 52.6				
			eL	56 00				
		PNS	PKP	00 08 38		1.0	15.2	
			eL	56 00				
SEP	26	LPB	P	00 56 11.2		0.8	12.6	3.1
			S	56 47.5				
		PNS	iP	00 56 12.2	C	0.7	3.1	2.7
			S	56 44.5				
SEP	26	LPB	iP	01 26 16.5	C	1.0	14.0	
		PNS	P	01 26 17.4		0.7	3.7	
SEP	26	LPB	eP	03 17 58				
			S	18 38.5				
		PNS	P	03 18 08.7		0.3	2.0	2.4
			S	18 37.9				
SEP	26	PNS	P	03 25 42.2		0.6	2.6	2.0
			S	26 06.5				
		LPB	eP	03 25 42.4				
SEP	26	USCGS	04 22 51.2, 22.3N, 117.9E, H = 19 Km, M = 5.5					
		TAIWAN REG						
		PNS	ePKP	04 43 05				
			eL	05 41.9				
		LPB	ePKP	04 43 09				172.0
			eL	05 42 00				
SEP	26	PNS	P	04 44 50.8				4.7
			i	44 58.0				
			S	45 45				
		LPB	P	04 44 53		1.0	26.0	
			i	44 57.7				
			(S)	45 46.5				
SEP	26	USCGS	05 10 58.1, 27.5N, 92.6E, H = 33 Km, M = 5.6					
		INDIA-CHINA BOR REG						
		PNS	PKP	05 30 56.3		1.4	31.5	
			i	31 08.5				
			SS	55 20				
			eL	06 26.5				
		LPB	PKP	05 30 56.5		1.0	14.0	159.8
			epPKP	31 07				
			eL	06 27 00				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	26	PNS	iP	07 55 32.7	D	0.3	4.8	1.9
			iS	55 55.7				
SEP	26	LPB	iP	07 56 55.7	C	1.0	16.0	2.7
			S	57 27.5				
		PNS	iP	07 56 58.5	C	0.7	10.0	3.0
			S	57 33.2				
SEP	26	PNS	P	09 16 25.0	C	0.4	3.3	1.9
			S	16 48.0				
SEP	26	TRJ	iP	11 08 26.4	D			2.5
			S	08 57.1				
		LPB	eP	11 08 53				
		PNS	P	11 08 59.8				3.2
			S	09 37.5				
SEP	26	LPB	eP	12 17 08				
		PNS	P	12 17 14.5	C	0.5	2.2	
SEP	26	PNS	eP	13 44 10				5.6
			i	44 16.2				
			S	45 13.9				
		LPB	eP	13 44 12				5.5
			eS	45 15				
SEP	26	PNS	P	14 49 50.5				2.0
			S	49 15				
		LPB	eP	14 48 53				
SEP	26	USCGS	14 47 45, 3.7S, 103.6W, H = 33 Km, M = 4.4					
		N EASTER IS CORDILLERA						
		LPB	eP	14 54 44				36.0
			eL	15 05.6				
SEP	26	USCGS	19 03 21.0, 36.3N, 138.4E, H = 33 Km, M = 4.3					
		HONSHU, JAPAN						
		PNS	ePKP	19 23 09		1.0	7.7	
			eSS	45 58				
			eL	20 14.1				
		LPB	eL	20 14 00				149.4
SEP	26	PNS	eP	23 10 35.7				8.3
			e	10 47.3				
			S	12 10				
		LPB	eP	23 10 49.5		0.9	8.4	8.4
			S	12 25				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	26	PNS	iP	23 18 28.0	D	0.4	29.6	2.0
			S	18 52				
		LPB	P	23 18 28.6		0.7	9.1	2.1
			S	18 54				
SEP	27	PNS	iP	01 46 48.6	D	0.5	7.6	2.1
			S	47 13.6				
		LPB	eP	01 46 49.5		0.6	5.2	2.0
			S	47 14.2				
SEP	27	LPB	P	02 53 30.7		0.9	13.6	2.4
			S	53 59.8				
		PNS	P	02 53 31.1	D	0.6	3.6	2.3
			S	53 59.6				
SEP	27	PNS	P	03 30 38.4				1.8
			S	31 00.2				
SEP	27	USCGS	03 19 58.2, 13.9N, 146.4E, H = 65 Km, M = 5.0					
		S OF MARIANA IS						
		LPB	ePKP	03 39 25.5				146.7
			pPKP	39 36.6				
			eL	04 29 00				
		PNS	PKP	03 39 35.5	D	1.0	11.6	
			eL	29.2				
SEP	27	USCGS	04 01 39.0, 54.4S, 6.2E, H = 33 Km, M = 4.9					
		BOUVET IS REG						
		PNS	P	04 12 35		1.0	7.7	
			i	12 40.2				
			eS	21 24				
			L	32.1				
		LPB	eP	04 12 35.5		1.3	14.0	67.5
			eL	33 00				
SEP	27	PNS	P	04 38 54.0	D	0.8	4.3	
		LPB	eP	04 38 55.5				
SEP	27	LPB	eP	05 40 29				3.2
			S	41 06				
		PNS	eP	05 40 39.7				3.3
			S	41 17.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	27	USCGS	06 34 33.2, 16.7N, 60.7W, H = 24 Km, M = 4.6					
		LEEWARD IS						
		PNS	iP	06 41 14.5		0.9	6.7	
			eL	51 00				
		LPB	P	06 41 16.1		1.0	12.0	34.9
			eL	53 00				
SEP	27	PNS	eP	07 40 30				1.0
			S	40 43				
SEP	27	LPB	eP	08 20 01.5		0.6	4.8	
		PNS	P	08 20 03		0.9	5.6	
SEP	27	LPB	eP	09 03 10.5				4.4
			S	04 02				
		PNS	iP	09 03 55.5	C	0.5	10.0	1.8
			iS	04 17.7				
SEP	27	LPB	eP	10 39 02				
			S	39 11.2				
		PNS	eP	10 39 05.6				4.0
			S	39 53				
SEP	27	TRJ	iP	14 09 42.6	D			2.8
			S	10 15.9				
		LPB	iP	14 10 02.2	C			
			(S)	10 51				
		PNS	iP	14 10 06.2	C	0.5	77.2	4.0
			S	10 53.8				
SEP	27	USCGS	14 11 00, 30.1S, 71.3W, H = 61 Km, M = 4.3					
		NR CST OF CENTRAL CHILE						
		LPB	eP	14 14 11				13.5
		PNS	P	14 14 13.5				
			i	14 18.1				
			eS	16 35				
			eL	17.2				
SEP	27	PNS	iP	14 50 40.2	D	0.5	4.1	2.4
			S	51 09.6				
SEP	27	LPB	P	15 24 53.4		0.8	41.0	3.2
			S	25 31.5				
		TRJ	iP	15 24 55.4	D			
		PNS	iP	15 24 57.1	C	1.0	11.6	3.6
			iS	25 40.0				
SEP	27	PNS	P	17 09 02.8		0.6	3.5	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	27	USCGS	17 34 39.0, 12.6N, 143.0E, H = 55 Km, M = 4.7					
		S OF MARIANA IS						
		LPB	ePKP	17 54 23				149.5
			PKP2	54 27.5				
		PNS	PKP	17 54 23.0		1.5	2.7	
			iPKP2	54 27.5				
SEP	27	PNS	P	18 03 21.4		0.3	3.1	
			(S)	04 20				
SEP	27	USCGS	18 41 45, 2.7N, 128.4E, H = 125 Km, M = 5.0					
		HALMAHERA						
		PNS	ePKP	19 01 32.8				
		LPB	ePKP	19 01 50				158.4
			eL	56 00				
SEP	27	USCGS	19 15 27, 5.1S, 151.9E, H = 68 Km, M = 4.9					
		NEW BRITAIN REG						
		PNS	ePKP	19 34 45				
		LPB	ePKP	19 34 46				135.0
			eL	20 19 00				
SEP	27	LPB	P	20 46 06.2		0.9	6.8	
			S	46 43				
		PNS	eP	20 46 39.6				
			(S)	47 03.4				
SEP	27	LPB	P	22 34 31.5		0.8	8.4	
			i	34 33				
			(S)	36 15				
		PNS	P	22 34 33.0	D	0.3	3.1	
SEP	28	USCGS	02 31 20, 42.8S, 83.7W, H = 33 Km, M = 4.4					
		W CHILE RISE						
		TRJ	iP	02 36 57.2	D			
		LPB	eP	02 37 19				29.3
			e	37 22.5				
			eS	42 18				
			L	45.5				
		PNS	P	02 37 23.3	D	.15	59.0	
			i	37 52.9				
			iPP	38 23				
			iS	42 17				
			L	45.6				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	28	PNS	P	03 41 07.5		1.0	7.5	
		LPB	P	03 41 08.5		1.1	11.5	
SEP	28	PNS	P	05 32 59.0		0.5	2.9	
SEP	28	LPB	eP	06 06 23.5				
			S	06 25.2				
		PNS	iP	06 06 28.1	D	1.0	10.0	4.7
			S	07 21.9				
SEP	28	PNS	P	06 32 39.2	C	0.4	2.9	
SEP	28	PNS	P	06 42 57.5		0.5	2.9	
SEP	28	TRJ	P	07 53 29.6	D			
SEP	28	TRJ	iP	11 19 42.4	D			2.5
			S	20 12.3	D			
SEP	28	PNS	P	12 28 20				4.6
			S	29 13.3				
SEP	28	USCGS	14 00 22.9, 27.4N, 100.1E, H = 33 Km, M = 6.2					
		YUNNAN PROVINCE, CHINA						
		PNS	PKP	14 20 25.3		1.3	69.1	
			iPKP2	21 24.0				
			PKS	24 00				
			PP	25 14				
			i	28 45				
			L	15 18.3				
		LPB	PKP	14 20 25.5		1.4	80.0	164.7
			PKP2	21 22.2				
			PP	25 19.5				
			PPP	28 55.2				
			SS	45 44				
			L	15 18 00				
		TRJ	PKP	14 20 29.6	C			
SEP	28	PNS	eP	14 51 21				3.9
			S	52 07				
SEP	28	PNS	P	16 21 18				
		LPB	eP	16 21 22.5				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	28	PNS	eP	16 21 30.0		0.6	6.9	12.8
			S	23 53				
		LPB	eP	16 22 10		0.8	4.2	
			(S)	23 33				
SEP	28	PNS	eP	18 20 05.9				
			e(S)	20 59.3				
		LPB	eP	18 20 06				
SEP	28	PNS	eP	18 29 07				3.6
			S	29 49.3				
SEP	28	LPB	P	18 57 49.3		0.5	13.0	3.8
			i	57 51				
			S	58 34.5				
		PNS	iP	18 57 51.8	C	0.6	9.8	4.5
			S	58 44				
SEP	28	PNS	P	19 50 04.8		0.4	6.8	5.3
			S	51 06				
SEP	28	PNS	eP	20 53 37				4.8
			S	54 33				
SEP	28	PNS	P	22 09 01.3		1.0	10.0	
SEP	28	LPB	eP	22 35 08				
		PNS	eP	22 35 09				4.1
			S	35 57.6				
SEP	28	USCGS	23 34 16, 31.4S, 68.8W, H = 110 Km, M = 4.2					
		SAN JUAN PROVINCE, ARGENTINA						
		LPB	eP	23 37 41				14.4
			eL	41 00				
		PNS	P	23 37 44.0		1.0	30.1	
			L	41.2				
SEP	29	USCGS	23 50 01, 27.4N, 100.1E, H = 33 Km, M = 4.9					
		YUNNAN PROVINCE, CHINA						
		LPB	ePKP	00 08 25				164.7
			eL	01 08 00				
		PNS	eL	01 08.2				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	29	LPB	eP	00 48 39.5				
		PNS	P	00 48 42.1				
SEP	29	PNS	P	02 09 47.6		0.6	3.5	
		LPB	P	02 09 48				
SEP	29	USCGS	02 44 19, 19.9S, 176.2W, H = 246 Km, M = 5.5					
		FIJI IS REG						
		PNS	eP	02 57 37				
			eL	31.9				
		LPB	eP	02 57 39				100.8
			eL	32 00				
SEP	29	LPB	P	04 36 00.2	D	0.6	12.0	
		PNS	iP	04 36 02.9	C	0.9	16.5	3.5
			S	36 44				
SEP	29	PNS	eP	04 47 20.4		0.9	5.5	
		LPB	eP	04 47 23.4		1.0	6.0	
SEP	29	USCGS	04 37 48.0, 51.2N, 179.0W, H = 37 Km, M = 4.7					
		ANDREANOF IS, ALEUTIAN IS						
		LPB	ePKP	04 56 26.5		0.9	2.6	116.5
			eL	05 33 00				
SEP	29	PNS	iP	06 52 46.9	C	0.3	6.8	4.1
			i	52 53.4				
			S	53 00				
		LPB	iP	06 52 48		0.8	28.0	3.0
			S	53 22.6				
SEP	29	LPB	P	09 08 52		1.0	6.0	
		PNS	eP	09 08 54		0.7	3.3	
			L	46.1				
SEP	29	LPB	eP	10 42 09				
			i	42 14				
		PNS	eP	10 42 11.9				
SEP	29	PNS	iP	12 02 21.3	D	0.3	5.8	
SEP	29	LPB	eP	12 43 13				
		PNS	P	12 43 15.4		0.5	2.9	1.7
			S	43 37				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	29	LPB	eP	14 12 21.5		0.5	9.1	3.9
			S	13 07				
		PNS	eP	14 12 47.5				
			i	13 04.5				
			e(S)	14 01				
SEP	29	USCGS	14 54 46, 8.6S, 110.5E, H = 33 Km, M = 5.2					
		JAVA						
		LPB	ePKP	15 14 41				154.8
			PKP2	15 03				
			eL	16 08 00				
		PNS	PKP	15 14 41.2		1.3	19.4	
			PKP2	15 05.2				
			eSS	38 24				
			eL	16 07.9				
SEP	29	LPB	P	15 17 24				
		PNS	eP	15 17 28				4.0
			S	18 15				
SEP	29	USCGS	15 01 54, 20.7N, 146.1E, H = 49 Km, M = 4.9					
		MARIANA IS REG						
		PNS	ePKP	15 21 33.8				
			SS	44 00				
			eL	16 11 00				
		LPB	ePKP	15 21 35		1.0	18.0	147.5
			eL	16 11 00				
SEP	29	PNS	P	16 28 24.9		1.5	17.5	
SEP	29	USCGS	16 42 53, 33.6S, 68.6W, H = 50 Km, M = 3.9					
		MENDOZA PROVINCE, ARGENTINA						
		LPB	eP	16 46 51.5		0.8	4.2	16.8
			e	47 19				
			eL	50 00				
		PNS	P	16 46 51.5		1.3	10.8	
			eL	50.8				
SEP	29	TRJ	iP	17 11 28.1	C			2.6
			iS	12 00.0				
		LPB	iP	17 11 54.2	C	1.0	32.0	
		PNS	iP	17 11 58.0	C	0.5	20.6	
SEP	29	USCGS	17 13 27, 18.5S, 69.8W, H = 112 Km, M = 4.1					
		N CHILE						
		TRJ	iP	17 13 40.5	C			
		LPB	iP	17 14 03.0	C	0.6	66.5	2.7
			iS	14 34.3				
		PNS	iP	17 14 03.4	C	0.6	78.0	
			S	14 35				
			eL	14.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	29	USCGS	17 43 49.0, 19.3N, 121.1E, H = 47 Km, M = 4.8					
			PHILIPPINE IS REG					
		LPB	ePKP	18 03 52				170.9
		PNS	PKP	18 03 57.2		1.6	16.4	
			eL	20 03.4				
SEP	29	LPB	eP	18 42 56.5		0.6	6.0	
		PNS	P	18 43 17				4.8
			S	44 12.5				
SEP	29	USCGS	20 11 45.9, 39.5N, 120.W, H = 33 Km					
			N CALIFORNIA					
		LPB	P	20 23 15.4		0.8	1.2	74.0
			eL	47 00				
SEP	29	PNS	P	20 24 42.7		0.4	2.9	
			(S)	25 18				
		LPB	P	20 24 45.3				3.2
			S	25 23				
SEP	29	LPB	P	22 07 20.7		0.6	9.6'	
SEP	29	LPB	P	23 07 04.2		0.9	17.0	
			eL	20 00				
		PNS	iP	23 07 06.5	C	0.9	9.8	
			eL	20 00				
SEP	29	LPB	eP	23 38 42		0.9	8.5	
		PNS	P	23 38 42.8		0.8	3.9	
SEP	29	LPB	P	23 58 20.7		0.5	5.2	3.8
			S	59 05				
		PNS	eP	23 58 27.3				3.9
			S	59 13.6				
SEP	30	LPB	P	00 15 42		0.5	4.8	
			ePP	17 46				
			eS	24 49				
			eL	35 00				
		PNS	P	00 15 47				
			i	15 52.0				
			PP	17 45				
			eS	24 53				
			eL	34.7				

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	30	LPB	eP	00 35 50				
			S	37 52.5				
		PNS	eP	00 37 51.4				
SEP	30	LPB	eP	00 41 31.5		1.0	8.0	
			e	41 48				
		PNS	eP	00 45 30.6		1.4	13.4	
SEP	30	PNS	eP	02 16 27.6				
			eS	17 16.5				
SEP	30	PNS	P	02 55 37				2.0
			eS	56 01				
SEP	30	LPB	eP	03 22 27				3.4
			(iPg)	22 29.2				
			iS	23 07.2				
		PNS	eP	03 22 30.1				3.4
			i	22 37.4				
			S	23 20.0				
			eL	23.7				
SEP	30	LPB	eP	03 41 33.5				
		PNS	P	03 41 39.0	D	0.4	2.4	
SEP	30	PNS	P	04 01 16.5		1.0	10.0	
			e	02 20				
			(S)	06 46				
			i	09 14.0				
			L	10.3				
		LPB	eP	04 01 20		1.2	20.7	
			eL	11 00				
SEP	30	LPB	P	05 14 01.7				
SEP	30	TRJ	P	06 18 51.2	D			2.4
			S	19 20.2	D			
SEP	30	LPB	P	06 30 20.6		0.7	5.2	
		PNS	eP	06 30 31.9				
SEP	30	LPB	eP	06 58 19.5				
		PNS	P	06 58 37.8	D	0.3	3.7	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	30	USCGS	07 03 22.4, 15.4N, 94.0W, H = 46 Km, M = 4.7					
		NEAR CST OF OAXACA, MEXICO						
		PNS	P	07 10 59		1.0	6.3	
			eS	16 58				
			eL	22.4				
		LPB	eP	07 11 00				40.5
			eL	22 00				
SEP	30	LPB	P	07 48 49		0.4	9.6	
		PNS	iP	07 48 52.6	C	0.5	4.6	2.9
			S	49 26.5				
SEP	30	LPB	eP	09 12 57.5				
			e	13 05				
		PNS	P	09 13 08		1.3	10.8	
			e	13 22.4				
SEP	30	USCGS	09 29 11.6, 18.3S, 69.7W, H = 122 Km, M = 5.2					
		N CHILE						
		TRJ	iP	09 29 27.1	C			
		PNS	iP	09 29 51.9	D			
		LPB	iP	09 29 52.2	D			1.8
SEP	30	LPB	P	11 04 42.7	C	0.7	24.7	2.2
			S	05 09				
		PNS	iP	11 04 43.3	C	0.5	20.3	2.3
			iS	05 10.4				
SEP	30	LPB	eP	11 13 36				
		PNS	P	11 13 42		0.6	2.8	2.1
			S	14 06.6				
SEP	30	LPB	eP	13 37 09				
		PNS	eP	13 37 11				5.0
			S	38 07.7				
SEP	30	TRJ	P	13 59 07.1	D			2.7
			S	59 39.6	D			
		LPB	eP	13 59 26				
		PNS	P	13 59 30.8		0.5	6.9	
SEP	30	LPB	eP	14 09 43.5				
		PNS	eP	14 09 44.5				
SEP	30	LPB	P	14 18 18		0.8	7.0	

MONTH	DAY	STA	PHASE	TIME	SIGN	PER	AMPL	DIST
SEP	30	USCGS	15 02 18, 17.4S, 172.5W, H = 33 Km, M = 4.8					
		TONGA IS REG						
		LPB	eP	15 15 47				97.3
			eL	49 00				
SEP	30	PNS	P	15 35 11.0				2.1
			S	35 35.9				
SEP	30	PNS	eP	17 24 50				
		LPB	eP	17 24 50.5				
SEP	30	PNS	eP	21 43 51.6				
		LPB	eP	21 43 52		1.0	10.0	
SEP	30	PNS	iP	22 37 40.0	D	0.4	13.2	

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