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Department of Commerce

Charles Sawyer, Secretary

U. S. Coast and Geodetic Survey

Leo Otis Colbert, Director

SEISMOLOGICAL BULLETIN

July, August, September, 1945

MSI-123

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DEPARTMENT OF COMMERCE

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U. S. COAST AND GEODETIC SURVEY

Leo Otis Colbert, Director

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

JULY, AUGUST, SEPTEMBER, 1945

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Issued by the U. S. Coast and Geodetic Survey

Washington 25, D. C.

The instrumental results of the following stations are tabulated in this report.

**Balboa Heights, C. Z. (BH)
The Panama Canal
*Bermuda. (BER)
Meteorological Station and International Union Geodesy and Geophysics
*Boulder City, Nev. (BC)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
**Burlington, Vt. (BUR)
University of Vermont
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and U. S. Weather Bureau
*College, Alaska. (COL)
University of Alaska
*Columbia, S. C. (COLU)
University of South Carolina
*Grand Coulee, Wash. (GC)
Bureau of Reclamation
*Honolulu, T. H. (HON)
University of Hawaii
*Huancayo, Peru. (HUAN)
Carnegie Institution of Washington
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Logan, Utah. (LOG)
Utah State Agricultural College
**Montezuma, Chile. (MONT)
Smithsonian Institution
**New Kensington, Pa. (NK)
Private station
*Overton, Nev. (OV)
Bureau of Reclamation and National Park Service
**Philadelphia, Pa. (PHIL)
The Franklin Institute
*Pierce Ferry, Ariz. (PF)
Bureau of Reclamation and National Park Service
*Rapid City, S. Dak. (RC)
South Dakota State School of Mines and Technology
*Salt Lake City, Utah. (SLC)
University of Utah
San Juan, Puerto Rico. (SJ)
**Seattle, Wash. (SEA)
University of Washington
*Shasta, Calif. (SH)
Bureau of Reclamation
Sitka, Alaska. (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitute Observatory.

*Indicates a station maintained by a local institution in cooperation with the Coast and Geodetic Survey.

**Indicates a station operating on an independent basis.

All seismogram interpretations are made or revised at Washington except those for Balboa Heights.

Minor quakes are listed at the end of the report.

One asterisk (*) following an origin time indicates probable error of one-tenth minute. Two asterisks (**) indicate probable error of one-quarter minute. All origin times and locations are determined from P data only. For Pasadena epicenters the time is given in one-tenth minute.

All magnitudes are determined by Pasadena unless otherwise stated.

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PROVISIONAL EPICENTERS

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
July	h m s	° '	° '	
2	08 31 00*	19½ N	110 W	Mexico, off west coast. Depth about 100 km.
3	04 10 30*	27 N	111 W	Gulf of California.
	04 55 03*	27 N	111 W	Do.
	05 10 05*	27 N	111 W	Do.
	21 58 40*	47 N	154 E	Kurile Islands.
5	12 02 30*	9 N	81 W	Panama. Felt.
6	02 20 09*	2 N	84½ W	Ecuador, off coast.
9	11 56 44*	7 N	79 W	Gulf of Panama.
	16 42 10*	2 N	76½ W	Southwest Colombia. Depth about 150 km. Felt in western Colombia from Pasto to San Marcos. Mag. 6½.
11	00 30 39*	59 N	153 W	Alaska, near southern coast. Depth about 100 km.
12	09 12 08*	8½ S	74½ W	Peru. Felt in central Peru. Depth about 150 km.
13	20 29 25*	19 N	64 W	Leewards Islands.
15	05 35 07*	17½ N	146 E	Marianas Islands. Depth about 100 km. Mag. 7.1.
16	12 33 30*	1 S	82 W	Ecuador, off coast.
17	06 47 36*	15½ N	92½ W	Guatemala, near coast.
	10 56 01*	62 N	148 W	Central Alaska.
21	21 57 57*	29 N	176 W	Kermadec Islands region.
23	03 55 18*	9 N	93 E	Nicobar Islands, Bay of Bengal.
	04 26 28	34 21 N	116 40 W	By Pasadena. California, near Old Woman Springs. Mag. 3.5.
26	10 32 17	34.3 N	81.4 W	South Carolina, near Columbia. Felt over an area of 25,000 sq. mi.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
July	h m s	° '	° '	
30	06 06 10	37 10 N	118 04 W	By Pasadena. California, near Tinemaha. Mag. 4.1.
Aug. 1	11 47 27*	11 S	71 W	Eastern Peru. Depth about 650 km.
	22 23 16*	24 N	122 E	Formosa, region of.
2	17 52 19*	24 N	122 E	Do.
	20 44 43*	54 N	133 W	Queen Charlotte Islands, off British Columbia. Depth possibly slightly deeper than normal.
3	04 11 31*	6 N	82½ W	Panama, south of.
	06 34 41*	6 N	82½ W	Do.
	06 43 55*	6 N	82½ W	Panama aftershock.
	06 58 27*	6 N	82½ W	Do.
	09 54 22*	6 N	82½ W	Do.
	10 49 33*	6 N	82½ W	Do.
4	06 11 45*	6 N	82½ W	Do.
	14 48 16*	36½ N	16½ E	Mediterranean Sea, near Sicily.
6	23 02 10*	6 S	76½ W	Peru, near Moyobamba. Felt in northwestern Peru. Depth about 100 km.
7	22 07 39*	31 N	142 E	Bonin Islands, north of.
8	09 53 40*	12 N	92 E	Andaman Islands.
9	03 13 32*	6 S	76½ W	Peru aftershock, near Moyobamba. Felt in northwestern Peru.
10	11 20 16*	15½ N	89 W	Guatemala. Considerable property damage in Quirigua. Felt in Chiquimula, Zacapa, and Izabel.
	14 09 05*	15½ N	89 W	Guatemala aftershock.
11	00 33 50*	7 N	82 W	Panama, south of.
	11 14 59	37 25 N	117 20 W	By Pasadena. Southeast of Lida, Nevada. Mag. 3.3.
12	08 33 00*	28 N	142 E	Bonin Islands region.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	° '	° '	
13	03 24 03*	63 N	147 W	Central Alaska.
14	02 20.2	32 N	115 W	By Pasadena. Southeast of Laguna Salada, Calif. Mag. 4.4.
	12 10 50*	27 N	130 E	Kyushu, Japan, south of.
15	14 15 54*	29 N	142 E	Bonin Islands region.
	17 56 24	33 13 N	116 08 W	By Pasadena. San Jacinto Fault, near Borego Valley, Calif. Felt widely in southern California. Mag. 5.7.
	18 43 55	33 13 N	116 08 W	By Pasadena. Borego Valley, Calif., aftershock.
17	19 05 35*	61 N	149 W	Southern Alaska.
	20 21 14	37 25 N	118 35 W	By Pasadena. Bishop, Calif., west of. Mag. 4.2.
19	05 30 26*	11 S	76 W	Northern Peru.
	07 16 21	32 55 N	116 25 W	By Pasadena. Elsinore Fault, southeast of Cuyamaca, Calif. Mag. 3.4.
	07 31 58*	5½ N	82½ W	Panama, off southern coast.
21	10 07 12*	43 N	131 E	Near Vladivostok, U. S. S. R. Depth about 600 km.
	16 29 37*	10½ S	75½ W	Central Peru. Felt in west-central Peru. Depth about 100 km.
	20 02 40*	17½ S	168 E	New Hebrides Islands.
22	05 03 35*	17½ S	168 E	New Hebrides aftershock.
	05 14 09*	17½ S	168 E	Do.
	08 39 40*	17½ S	168 E	Do.
27	07 34 42*	23 N	143½ E	Bonin Islands. Depth about 100 km.
27	09 13 05*	37 23 N	121 43 W	By Berkeley. West-central California. Felt over 13,000 sq. mi. Mag. 5.
27	11 25 20	33 02 N	115 53 W	By Pasadena. San Jacinto Fault, southeast of Bailey Wells, Calif. Mag. 4.0.
28	11 49 52*	14 S	167 E	New Hebrides Islands foreshock.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	° '	° '	
28	19 20 22*	33 N	139 E	Honshu, Japan, foreshock.
	19 21 11*	33 N	139 E	Honshu, Japan, off southeast coast.
29	10 22 35*	14 S	167 E	New Hebrides Islands. Mag. 7.2.
	10 35 50*	14 S	167 E	New Hebrides aftershock.
	12 40 33*	37 S	80 E	Amsterdam Island.foreshock.
	13 38 32*	4½ S	78½ W	Northern Peru.
	15 03 02*	37 S	80 E	Near Amsterdam Island, Indian Ocean.
30	23 30 04*	19 S	175½ W	Tonga Islands region.
31	11 11 40	32 59 N	116 30 W	Elsinore Fault, east of Cuyamaca Lake, Calif. Mag. 3.3.
	15 48 51*	63½ N	146 W	Central Alaska. Depth about 100 km.
Sept. 1	22 44 07*	47 S	166 E	New Zealand, near southern coast. Mag. 7.2.
2	11 54 01	34½ N	28¾ E	Eastern Mediterranean Sea. Depth about 100 km.
3	12 59 20*	1 S	20 W	Mid-Atlantic Ocean.
3	19 30 36*	33 S	71½ W	Chile, near west-central coast. Felt. Depth about 60 km.
4	11 13 56	37 20 N	118 07 W	By Pasadena. California, near Tinemaha. Mag. 4.2.
5	21 48 40*	5 S	152 E	New Britain. Mag. 7.1.
6	01 26 19	5 S	152 E	New Britain aftershock.
7	14 45 16	31 26 N	115 24 W	By Pasadena. Lower California, Sierra Juarez. Mag. 4.4.
7	15 34 24	33 58 N	116 48 W	By Pasadena. California, San Andreas Fault, north of Cabazon. Felt. Mag. 4.3.
7	15 48 23*	46 N	26½ E	Roumania. Depth about 100 km.
9	04 02 54	17 S	168 E	New Hebrides region.
9	12 56 20*	14½ S	76 W	Peru, near coast. Felt strongest at Ica and Pisco.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Sept.	h m s	° '	° '	
11	02 01 08	36 32 N	117 10 W	By Pasadena. California, northern Panamint Range. Mag. 3.4.
	19 11 17*	24½ S	179 W	Tonga Islands region. Depth about 550 km.
13	11 17 08	34.2 S	70.8 W	Chile, about 60 mi. south of Santiago. Depth about 100 km. Four reported killed and 35 injured. Severest property damage in Curico, Talca, Rancagua, and Rengo. Mag. 7.1.
14	02 02 24*	7½ N	38 W	Mid-Atlantic Ocean.
19	12 28 02*	43 N	144 E	Hokkaido, Japan, off southeast coast. Depth about 100 km.
22	09 05 40	33 33 N	116 50 W	By Pasadena. California, northwest of Anza. Mag. 3.8.
	09 09 54*	3½ S	148 E	New Guinea, off northeast coast.
23	09 57 48	48 N	114¼ W	Montana. Felt over an area of 36,000 sq. mi. Slight damage reported.
	15 34 19*	39½ N	118½ E	Yellow Sea, Gulf of Chihli. Felt in Peiping.
	17 20 45*	18½ N	105 W	Mexico, near west coast.
26	03 36 50*	53 N	170 W	Aleutian Islands region.
	14 27 00*	19 N	65 W	Puerto Rico, off northeast coast.
27	23 09 00*	15 S	173 W	Samoa Island region. Felt in Apia.
28	22 24 05	41.7 N	126.9 W	California, off northern coast. Mag. 6.
29	04 27 46	6 S	77 W	Peru, north-central.

SEISMOGRAM INTERPRETATIONS

Date and Station		Phase (GCT) h m s
July 1		
BH	e	06 39 20
	F	06 42
July 1		
BH	e	10 12 58
	e	13 34
	F	10 17
July 1		
TUC	eP	18 59 22
	F	19.0
July 2		
SJ	eP	05 18 10
	i	18 54
	F	05.4
TUC	eP	05 25 31
	F	05.4
July 2, H = 08 31 00* Epicenter in the region 19½° N., 110° W. Off west coast of Mexico. Depth about 100 km.		
BC	iP	08 34 51
	i	35 34
	eS	38 17
	eL	40 00
BOZ	ePP	08 37 08
	eS	40 46
	e	42 28
	eL	43 40
	F	09.6
BUT	eS	08 41 08
	eL	46 04
	F	09.4
CHI	eS	08 41 43
	eL	45 20
	F	09.5
HONO	e	08 48 06
	eL	51 40
	F	09.3
HUAN	eL	08 49 50
	F	09.0

Date and Station		Phase (GCT) h m s
July 2, cont.		
LOG	e	08 35 34
	e	36 11
	eS	39 28
	esS	39 45
	eL	41 50
	F	09.2
OV	iP	08 34 57
	i	35 11
	e	36 23
PHIL	eS	08 43 26
	eL	45 32
	F	10.1
PF	iP	08 34 50.5
	i	35 32.5
RC	eP	08 36 19
	eS	40 45
	eL	43 54
	F	09.1
SJ	e(P)	08 38 35
	e	39 33
	eS	44 35
	eL	49 30
	F	09.2
SH	eP	08 36 07
SIT	eL	08 54 46
	F	09.1
TUC	iP	08 33 53
	ipP	34 10
	i	34 30
	eS	36 24
	eL	37 00
	F	09.2
UK	e	08 36 15
	eL	40 16
	F	09.2
July 2, H = 08 52 00* Aftershock of Mexico quake.		

Date and Station		Phase (GCT) h m s
July 2, cont.		
BC	iP	08 55 51
	iS	59 03
	iL	09 04 00
HUAN	eL	09 36 20
	F	09.8
OV	iP	08 55 57
	eS	59 07
	eL	09 04 24
PF	iP	08 55 49.5
	iS	59 02.5
SJ	eL	09 28 15
	F	10.2
TUC	iP	08 54 53
	iL	58 06
	F	09.2
July 2		
TUC	iP	22 30 59
	i	31 05
	eS	31 18
	i	31 22
	eL	31 34
	F	22.5
July 3, H = 04 10 30* Epicenter in the region 27° N., 111° W. Gulf of California.		
BER	eL	04 29 20
	F	05.0
BC	iP	04 12 53.5
	e	15 33
	eL	16 01
BOZ	eP	04 14 54
	eS	18 36
	eL	20 48
	F	04.9
BUT	eP	04 15 06
	eS	18 42
	eL	22 28
	F	04.7

Date and Station		Phase (GCT)
		h m s
July 3, cont.		
CHI	eS	04 20 10
	eL	23 16
	F	05.0
COL	eL	04 35 10
	F	04.8
COLU	eS	04 20 28
	eL	24 23
	F	04.7
HONO	eL	04 31 22
	F	04.6
OV	iP	04 12 58
PHIL	eL	04 24 17
	F	05.1
PF	iP	04 12 50
	F	15 47
RC	eS	04 18 16
	eL	20 34
	F	04.6
SJ	eL	04 33 35
	F	04.9
SH	iP	04 14 27.6
SIT	eL	04 30 20
	F	04.8
TUC	iP	04 11 50
	i	12 09
	i	12 17
	i(S)	12 31
	iL	13 21
	F	04.7
UK	eL	04 19 25
	F	04.6
July 3, H = 04 55 03* Epicenter in the region 27° N., 111° W. Gulf of California.		
BC	iP	04 57 23
	iL	05 00 09

Date and Station		Phase (GCT)
		h m s
July 3, cont.		
BOZ	eL	05 06 36
	F	Lost.
BUT	eL	05 06 58
	F	Lost.
CHI	eL	05 07 52
	F	05.3
COLU	eL	05 09 24
	F	05.3
OV	iP	04 57 30
	i	57 44
	i	57 50
	iL	05 00 36
PHIL	eL	05 12 11
	F	05.7
PF	iP	04 57 17
	i	57 23
	i	59 48
	eL	05 00 00
RC	eL	05 05 15
	F	05.2
SH	eP	04 59 00
TUC	iP	04 56 23
	i	56 46
	iS	57 36
	iL	57 59
	F	05.2
UK	eL	05 04 40
	F	05.4
July 3, H = 05 10 05 Epicenter in the region 27° N., 111° W. Gulf of California.		
BC	iP	05 12 30
	eL	15 17
BOZ	eL	05 20 44
	F	05.6

Date and Station		Phase (GCT)
		h m s
July 3, cont.		
BUT	eL	05 22 08
	F	05.5
CHI	eL	05 23 00
	F	05.6
COLU	e	05 20 28
	eL	24 28
	F	05.5
OV	iP	05 12 36
	i	12 41
	eS	15 19
PF	iP	05 12 20.5
	i	12 26.5
RC	eL	05 20 16
	F	05.4
TUC	iP	05 11 26
	i	11 49
	iS	12 36
	i	12 56
	iL	13 08
	F	05.4
July 3		
COL	eP	11 47 08
	eS	47 57
	eL	48 10
	F	11.9
SIT	eL	11 51 15
	F	12.0
July 3		
TUC	eP	14 36 03
	eS	37 17
	eL	37 44
	F	14.7
July 3, H = 17 03 15** Philippine Islands region.		
TUC	eP'	17 22 19
	F	17.4

Date and Station		Phase (GCT)
		h m s
July 3		
TUC	eP	21 48 06.5
	i	48 07.5
	iS	48 28.0
	eL	48 38
	F	21.8
July 3, H = 21 58 40* Epicenter in the region 47° N., 154° E. Kurile Islands.		
BC	iP	22 09 27.5
	i	09 45.7
PF	iP	22 09 30
	i	09 45
TUC	eP	22 09 57
	F	22.2
July 4		
TUC	iP	09 11 58
	i	12 32
	eS	13 16
	i	13 27
	iL	13 45
	F	09.3
July 4, H = 10 18 10** Off west coast of Mexico.		
BC	iP	10 22 43.5
OV	iP	10 22 06
PF	iP	10 22 41.5
TUC	eP	10 21 42
	eL	26 34
	F	10.6
July 4, H = 11 03 25** New Hebrides Islands region.		
TUC	iP	11 16 27
	F	11.2
July 4		
PHIL	eL	16 05 24
	F	16.4

Date and Station		Phase (GCT)
		h m s
July 5, H = 12 02 30* Epicenter in the region 9° N., 81° W. Panama.		
BH	iP	12 02 56
	F	12 16
BC	eP	12 10 14
	e	10 24.5
CHI	ePP	12 10 24
	eS	14 26
	eL	16 32
	F	13.0
SJ	iP	12 06 33
	i	06 47
	eL	17 00
	F	13.1
TUC	iP	12 09 33
	i	09 45
	ePP	11 01
	ePcP	12 02
	eL	17 35
	F	12.6
July 5		
BH	e	12 12 24
	F	12 13
July 5		
TUC	iP	21 19 11.5
	iS	19 33.0
	i	19 42
	eL	19 46
	F	21.3
July 6, H = 02 20 09* Epicenter in the region 2° N., 84½° W. Off coast of Ecuador.		
BH	i	02 22 31
	F	02 27
BC	eP	02 28 18
HUAN	e	02 24 08
	eL	28 22
	F	02.6
SJ	e	02 29 35
	eL	30 05
	F	03.0

Date and Station		Phase (GCT)
		h m s
July 6, cont.		
TUC	eP	02 27 38
	eL	40 00
	F	02.5
July 6		
HUAN	eL	02 47 53
	F	02.9
July 6		
TUC	eP	12 46 42
	e	47 44
	F	12.8
July 6		
TUC	iP	16 47 59
	i	48 04.5
	i	48 19
	eS	49 15
	eL	49 48
	F	16.9
July 7		
SJ	e	20 07 15
	F	20.2
July 7		
COLU	e	21 17 28
	e	23 14
	e	33 16
	eL	47 44
	F	22.5
July 7		
TUC	iP	21 42 23.0
	i	42 24.0
	iS	42 41.0
	F	21.7
July 8		
BC	iP	18 10 19
	i	11 07
SH	eP	18 10 14
TUC	eP	18 10 37
	F	18.2
July 8		
COLU	eL	22 56 40
	F	23.6

Date and Station		Phase (GCT)
		h m s
July 9, H = 11 56 44* Epicenter in the region 7° N., 79° W. Gulf of Panama.		
BH	iP	11 57 22
	iS	57 53
	F	12 06
BC	iP	12 04 52.5
COLU	eL	12 51 08
	F	13.0
HUAN	e	12 01 08
	e(S)	04 45
	eL	08 04
	F	12.2
PF	iP	12 04 49
	i	05 01.5
SJ	eP	12 00 47
	iS	04 03
	F	Lost.
TUC	iP	12 04 14
	i	04 21
	i	04 48
	eL	20 24
	F	12.4
July 9		
BC	iP	13 53 51.6
	i	53 53.6
	eS	54 28
	iS	54 30
PF	iP	13 53 52
	i	54 03
	eS	54 46
	iS	54 51
TUC	eL	13 55 28
	F	13.9
July 9, H = 16 42 10* Epicenter in the region 2° N., 76½° W. Southwest Colombia. Felt in western Colombia from Pasto to San Marcos. Depth about 100 km. Mag. 6½.		
July 9, cont.		
BH	iP	16 44 00
	iS	45 23
	F	16 59
BER	eS	16 53 33
	eL	57 05
	F	17.4
BC	iP	16 50 45.5
	i	51 29.5
	iPcP	52 08
	eS	57 39
CHI	e(P)	16 49 39
	e	50 30
	eS	55 28
	eL	58 40
	F	Lost.
COLU	e	16 49 54
	eL	55 20
	F	17.1
GC	eP	16 51 53
	i	52 40
HUAN	iP	16 45 25
	ipP	45 40
	iPP	46 00
	i	46 48
	i	47 13
	iS	48 02
	i	48 15
	iL	48 33
	F	17.3
PHIL	iP	16 49 18
	e	17 50 45
	e	54 03
	eS	54 56
	eL	57 55
	F	18.5
PF	iP	16 50 42
	i	51 00
	e	51 53
	e	52 06
RC	iP	16 50 37
	e	51 29
	ePPP	53 11
	eS	57 22
	eL	17 00 50
	F	17.2
July 9, cont.		
SJ	iP	16 46 29
	e	47 14
	e	48 10
	iS	50 00
	iL	50 37
	F	18.0
SH	iP	16 51 36.3
	i	51 59
	iPcP	52 19.3
SIT	e	16 53 16
	e	54 10
	eS	17 02 12
	e	03 30
	eScS	04 08
	L	07 30
	F	17.8
TUC	iP	16 50 08
	ipP	50 18
	iPP	51 51
	e	52 38
	eS	56 24
	eL	59 53
	F	17.5
July 9		
TUC	iP	21 41 01
	iS	41 19
	eL	41 31
	F	21.7
July 10		
BH	e	07 09 00
	e	09 32
	F	07 11
July 10		
BH	e	08 34 36
	i	35 02
	F	08 36
July 10		
COLU	eL	20 03 34
	F	20.2
SJ	eL	20 42 30
	F	20.8

Date and Station		Phase (GCT)
		h m s
July 11, H = 00 30 39* Epicenter in the region 59° N., 153° W. Near southern coast of Alaska. Depth about 100 km.		
BER	e	00 41 10
	e	45 02
	eS	49 10
	eL	56 15
	F	01.5
BC	iP	00 37 18
	ipP	37 32
	eS	42 38
	eL	45 16
BOZ	e(P)	00 36 36
	i	36 45
	ePP	37 14
	eS	40 42
	e	41 13
	i	41 36
	eL	44 34
	F	01.5
BUT	e	00 36 34
	e	38 25
	eS	40 44
	eL	46 41
	F	01.3
CHI	e	00 38 48
	ePP	40 21
	eS	44 54
	eScS	48 07
	eL	54 09
	F	01.5
COL	iP	00 32 09
	i	32 21
	i	33 06
	i	33 18
	i(S)	33 30
	iL	33 35
	F	01.5
COLU	e	00 42 10
	eS	47 06
	eL	58 10
	F	01.4

Date and Station		Phase (GCT)
		h m s
July 11, cont.		
GC	iP	00 35 37.5
	i	35 50
	i	36 57
	eS	39 20
HONO	e	00 43 45
	iL	49 10
	F	01.1
LOG	e	00 36 47
	i	37 00
	e(S)	42 21
	eL	46 13
	F	01.4
OV	iP	00 37 16
	i	37 21
	i	37 30.5
PHIL	iP	00 39 50
	ePP	41 46
	eS	46 28
	eScS	49 19
	eSS	50 55
	eL	53 39
	F	01.7
PF	iP	00 37 21
	i	37 35.5
	i	37 42
	ePP	38 21.5
RC	eP	00 37 16
	i	37 29
	eS	42 40
	eL	48 46
	F	01.2
SLC	eP	00 37 12
	eL	46 12
	F	01.2
SJ	eP	00 42 25
	eS	51 38
	iS	51 47
	iL	01 00 30
	F	01.9

Date and Station		Phase (GCT)
		h m s
July 11, cont.		
SH	iP	00 36 13.6
	i	36 28.1
	eS	40 44
	e	41 00
	i	47 03
SIT	iP	00 32 48
	ipP	32 56
	e	33 12
	iS	34 26
	eL	34 54
	F	01.8
SH	iP	01 25 40
TUC	iP	00 38 01
	ipP	38 16
	iPP	39 34
	e	39 45
	eS	43 55
	eL	48 38
	F	01.1
July 11		
BC	iP	13 56 21.5
OV	iP	13 56 21.5
PF	iP	13 56 24
SH	iP	13 55 31
July 11		
BC	e	16 14 20
	i	14 54
OV	e	16 14 44
	e	14 51
	i	15 12
PF	e	16 14 29
	e	14 51
	i	15 02.5
July 12		
BH	eP	00 02 13
	iS	02 52
	F	00.6

Date and Station		Phase (GCT)
		h m s
July 12, H = 09 12 08* Epicenter in the region 8½° S., 74½° W. Peru. Felt in central Peru. Depth about 150 km.		
BH	e	09 16 09
	F	09 25
BC	iP	09 21 47
HUAN	iP	09 13 11
	i	13 29
	iS	13 47
	iL	13 55
	F	09.4
OV	iP	09 21 49
PF	iP	09 21 45
	i	22 18
SH	iP	09 22 36
	i	23 12
TUC	iP	09 21 13
	e	21 41
	F	09.4
July 12		
BC	iP	10 22 34
	i	22 36.5
	i	23 00
	iS	24 02
OV	i	10 22 47
PF	e	10 22 47
	i	23 24
July 12		
SJ	eP	18 36 32
	e	36 59
	eL	37 09
	F	18.7
TUC	iP	18 05 50
	i	05 51
	iS	06 09
	i	06 13
	eL	06 37
	F	18.1

Date and Station		Phase (GCT)
		h m s
July 13		
COL	iP	01 25 15
	iS	25 27
	F	01.4
July 13		
BC	eP	02 13 10
	i	13 17
	i	13 35
TUC	eP	02 12 24
	F	02.2
July 13, H = 15 48 05** Tonga Islands region.		
BC	eP	16 00 06
SH	iP	15 59 54
July 13		
TUC	eP	16 00 11
	i	00 16
	F	16.0
July 13		
TUC	iP	18 49 49
	i	49 52
	iS	50 15
	i	50 17
	i	50 20
	eL	50 35
	F	18.8
July 13		
BH	e	19 42 17
	F	19 45
July 13, H = 20 29 25* Epicenter in the region 19° N., 64° W. Lewards Islands.		
BER	eL	20 35 05
	F	20.7
BC	iP	20 38 06
OV	iP	20 38 05
PF	iP	20 38 31.5

Date and Station		Phase (GCT)
		h m s
July 13, cont.		
SJ	eP	20 30 07
	i	30 20
	iS	30 45
	eL	31 00
	F	20.7
SH	iP	20 38 51.5
TUC	iP	20 37 38
	F	20.6
July 13		
TUC	iP	21 18 54
	i	18 55
	iS	19 17
	i	19 19
	eL	19 39
	F	21.3
July 13		
TUC	i	21 28 04
	i	28 11
	i	28 17
	i	28 22
	iS	29 04
	F	21.6
July 13		
TUC	eP	22 05 11
	i	05 17
	i(S)	05 25
	iL	06 02
	F	22.2
July 14		
BC	i	02 22 37
	e	23 34
	i	23 42
OV	i	02 22 32
	e	22 41
PF	i	02 22 39.5
July 14		
TUC	eP	23 42 50
	F	23.8

Date and Station		Phase (GCT)
		h m s
July 15, H = 05 35 07* Epicenter in the region 17½° N., 146° E. Mariana Islands region. Depth about 100 km. Mag. 7.1.		
BH	eP'	05 54 00
	F	06 11
BER	e(PP)	05 56 06
	eSKS	06 00 46
	e	02 21
	ePS	05 01
	eSS	12 09
	eL	32 21
	F	07.5
BC	iP	05 47 46.5
	ipP	48 22.5
	isP	48 39
	iS	57 58
	i	06 10 24
	iP'P'	13 38
	i	13 53
	eP'P'P'	34 29
BOZ	eP	05 47 42
	e	47 52
	e	48 20
	ePP	51 26
	e	52 07
	iS	57 52
	e	58 52
	i	58 57
	e	06 00 46
	eSS	03 45
	eL	10 32
	F	07.2
BUT	eP	05 47 38
	epP	48 14
	eS	57 44
	isS	58 44
	eL	06 06 27
	F	06.6
CHI	e	05 50 09
	ePP	53 08
	e	53 40
	iSKS	59 24
	eS	06 00 24
	e	01 17
	iPS	02 16
	eSS	07 36

Date and Station		Phase (GCT)
		h m s
July 15, cont.		
CHI, cont.	eSS	06 11 25
	eL	17 22
	F	07.4
COL	eP	05 45 33
	e	45 43
	e	46 14
	eS	53 56
	e(sS)	54 56
	e	58 10
	eL	06 01 32
	F	07.1
COLU	eL	06 25 06
	F	07.2
GC	iP	05 47 12.5
	ipP	47 49.5
	iS	57 02
	esS	57 59
HONO	iP	05 44 19
	epP	44 42
	iPP	46 25
	e	48 08
	e	49 09
	iS	51 39
	iScS	53 54
	e	56 35
	eL	57 24
	F	07.2
T_P=2 sec. A = 0.8 mm.		
T_S=11 sec. A = 4.5 mm.		
T_L=17 sec. A max.= 1.3 mm.		
HUAN	e	05 54 41
	ePP	57 51
	eSKKS	06 03 44
	e	08 25
	eSS	16 04
	eL	33 25
	F	07.1
LOG	iP	05 47 46
	e	47 53
	ipP	48 23
	e	50 02
	iS	57 58
	i	58 58
	eSS	06 03 47
	eL	11 03
	F	07.3

Date and Station		Phase (GCT)
		h m s
July 15, cont.		
OV	iP	05 47 47.5
	i	47 52
	i	48 21
	iSS	06 04 27
PHIL	e	05 52 16
	iSKS	59 59
	eSKKS	06 00 45
	eS	01 35
	e	02 02
	e	02 36
	eSS	09 21
	F	07.9
PF	iP	05 47 49.5
	i	48 01.5
	i	48 17.5
	iS	58 03.5
	i	58 14.5
	iL	06 13 33.5
RC	eP	05 48 10
	i	48 17
	ePP	52 20
	iSKS	58 26
	iS	58 52
	i	59 57
	eL	06 13 48
	F	07.0
SLC	eP	05 47 55
	epP	48 32
	e	49 12
	iSKS	58 07
	i	58 27
	e	06 02 30
	eL	12 16
	F	07.5
SJ	eP'	05 54 17
	i(PP)	57 26
	i	58 35
	eSKS	06 01 28
	iSKKS	02 56
	e	06 22
	ePPS	08 15
	iSS	14 00
	e	16 12
	eL	30 25
	F	07.9
SEA	eL	06 46 34
	F	07.4

Date and Station		Phase (GCT)
		h m s
July 15, cont.		
SH	iP	05 47 10
	i	47 17
	i	47 57
	i	56 09
	iS	56 59
	esS	57 32
SIT	eP	05 46 07
	ipP	46 44
	iS	55 03
	isS	55 59
	i	57 23
	eL	06 02 40
	F	07.2
TUC	iP	05 48 09
	ipP	48 44
	iPP	51 44
	iSKS	58 29
	iS	58 57
	esS	59 31
	e	06 03 27
	eSS	05 12
	iPKKP	06 13
	eSSS	08 40
	eL	12 10
	eP'P'	13 26
	eP'P'P'	34 23
	F	07.5
UK	e(P)	05 47 32
	iS	57 00
	F	07.6
July 15, H = 19 15 55** Celebes region.		
TUC	e(P')	19 34 29
	i	35 40
	F	19.6
July 16, H = 04 47 52** Off west coast of Colombia.		
TUC	iP	04 55 16
	F	04.9
July 16, H = 04 48 30** Marianas Islands region.		
July 16, cont.		
BC	eP	05 01 42
HUAN	e	04 51 58
	e	59 42
	eL	05 02 07
	F	05.1
SJ	eL	04 49 53
	F	05.2
SH	e	05 01 07
TUC	eP	05 02 03
	F	05.1
July 16, H = 12 33 30* Epicenter in the region 1° S., 82° W. Off coast of Ecuador.		
HUAN	eL	12 38 30
	F	12.7
SJ	e	12 38 04
	e	42 06
	F	12.8
TUC	iP	12 40 31
	F	12.7
July 16		
BH	iP	23 27 18
	iS	27 48
	F	23 32
TUC	iP	23 38 49
	F	23.7
July 17, H = 06 47 36* Epicenter in the region 15½° N., 92½° W. Near coast of Guatemala.		
BER	eL	07 01 12
	F	07.4
BC	eP	06 53 09
COLU	e	06 52 14
	e	56 20
	eL	07 01 36
	F	07.3
July 17, cont.		
PHIL	e	06 54 18
	e	58 22
	eL	07 03 45
	F	07.7
PF	eP	06 53 06
SLC	e	07 01 44
	e	04 28
	F	07.3
SJ	e	06 53 04
	e	58 05
	eL	07 03 20
	F	07.7
TUC	iP	06 52 25
	iPP	53 12
	i	53 18
	eS	56 52
	e	59 46
	eL	07 01 25
	F	07.5
July 17, H = 10 56 01* Epicenter in the region 62° N., 148° W. Central Alaska.		
COL	eP	10 56 43
	iS	57 17
	eL	57 28
	F	11.0
TUC	eP	11 03 23
	F	11.1
July 17		
SJ	iP	15 25 00
	iS	25 07
	F	15.5
July 17		
TUC	iP	17 41 36
	iS	41 57
	eL	42 07
	F	17.7
July 17		
TUC	iP	21 15 27
	iS	15 44
	eL	15 57
	F	21.3

Date and Station		Phase (GCT)
		h m s
July 19, H = 04 48 30** Samoa Islands region.		
TUC	eP	05 00 21
	F	05.0
July 19, H = 14 13 35** Samoa Islands region.		
HONO	eL	14 29 51
	F	14.6
SJ	eL	14 40 07
	F	15.2
TUC	eP	14 25 25
	i	25 55
	F	14.5
July 19, H = 14 28 30** Near Honduras, Central America.		
TUC	iP	14 33 54
	F	14.6
July 21		
TUC	eP	00 23 37
	F	00.4
July 21, H = 13 53 05** Kermadec Islands region.		
TUC	iP	14 06 06
	F	14.1
July 21, H = 21 57 57* Epicenter in the region 29° S., 176° W. Kermadec Islands region.		
BC	eP	22 10 38
CHI	eL	22 51 23
	F	23.4
OV	eP	22 10 41
PHIL	e	22 53 00
	F	23.6
PF	eP	22 10 40.5

Date and Station		Phase (GCT)
		h m s
July 21, cont.		
SLC	e	22 21 44
	eL	47 06
	F	23.3
SJ	e	22 28 20
	eL	57 30
	F	23.5
SH	eP	22 10 30
TUC	eP	22 10 39
	eL	38 22
	F	23.5
July 22		
BH	eP	00 16 21
	eS	16 45
	F	00 20
July 22		
SJ	iP	03 07 33
	iS	07 45
	F	03.0
July 22		
BC	eP	06 12 46.5
OV	e	06 12 44.5
PF	eP	06 12 54
SH	e	06 11 01
TUC	iP	06 13 49
	F	06.2
July 22, H = 10 40 00** Near northern coast of Sumatra.		
BC	eP'	10 59 05
BOZ	eL	11 40 32
	F	12.5
CHI	eL	11 47 20
	F	12.4
COL	eSS	11 11 14
	eL	18 40
	F	12.0

Date and Station		Phase (GCT)
		h m s
July 22, cont.		
HUAN	e	11 45 31
	eL	12 03 51
	F	12.7
OV	eP	10 59 03
PHIL	e(PP)	11 02 24
	e	15 06
	eSSS	24 38
	eL	34 33
	F	12.8
PF	eP'	10 59 08
SLC	eL	11 42 28
	F	12.6
SJ	e(P')	11 00 15
	eSS	22 43
	eL	52 30
	F	13.9
SIT	e	11 08 52
	eL	27 10
	F	12.2
TUC	iP'	10 59 18
	e(PP)	11 02 40
	eL	46 21
	F	Lost.
July 22		
BC	iP	12 09 12.5
HUAN	eL	11 51 35
	F	12.7
OV	iP	12 09 16.3
PF	iP	12 09 11.7
TUC	iP	12 08 19
	eL	13 22
	F	12.3
July 22		
BC	eP	20 15 33
	e	15 43
HUAN	eL	20 21 05
	F	20.5

Date and Station		Phase (GCT)
		h m s
July 22, cont.		
SH	iP	20 16 16
TUC	iP	20 15 17
	F	20.3
July 23, H = 03 55 18* Epicenter in the region 9° N., 93° E. Nicobar Islands, Bay of Bengal.		
BER	e(SS)	04 37 10
	eL	05 06 10
	F	06.0
BC	eP'	04 14 06
	e	14 46
	ePP	17 21
BOZ	e	04 15 40
	e	23 45
	e(SS)	32 33
	eL	55 32
	F	06.5
BUT	e	04 15 06
	ePS	26 30
	e	32 24
	eL	55 16
	F	06.0
CHI	ePP	04 17 37
	e	18 12
	ePPP	19 17
	e(SS)	36 00
	e	37 10
	eL	53 05
	F	06.3
COL	e	04 12 16
	eSKS	19 13
	e	20 17
	ePS	22 16
	eL	41 12
	F	06.4
COLU	e	04 38 36
	eL	05 01 20
	F	06.2

Date and Station		Phase (GCT)
		h m s
July 23, cont.		
HUAN	e	04 21 02
	e	24 30
	e	31 00
	eSS	39 37
	e	41 08
	eL	05 06 25
	F	06.3
OV	eP'	04 14 06.8
PHIL	e	04 16 30
	ePP	17 36
	e	24 18
	eSS	34 29
	eSSS	39 18
	eL	48 30
	F	07.6
PF	eP'	04 14 08
	e	14 14
	e	14 43
SLC	e(PP)	04 17 24
	eSS	33 20
	eL	51 28
	F	06.5
SJ	eP'	04 14 45
	i	15 20
	e	25 28
	e	31 47
	e(SS)	37 21
	eL	55 25
	F	06.3
SH	eP'	04 13 49
SIT	ePP	04 14 10
	eSKS	19 47
	e	23 50
	eSS	27 38
	eL	41 35
	F	06.5
TUC	e(P')	04 14 14
	iPP	17 44
	e	18 43
	ePPP	19 29
	eSS	35 00
	eSSS	39 46
	eL	51 00
	F	06.4

Date and Station		Phase (GCT)
		h m s
July 23		
UK	eL	04 49 25
	F	05.6
July 23, H = 04 26 28 By Pasadena, 34°21' N., 116°40' W. Near Old Woman Springs, Calif. Mag. 3.5.		
BC	iP	04 27 02.3
	i	27 06.3
	eS	27 34.8
	i	28 17.1
TUC	e	04 27 49
	i	28 12
	i	28 27
	eL	29 02
	F	04.5
July 23		
BH	e	09 46 18
	e	47 08
	F	09 51
July 24		
TUC	eP	06 24 34
	F	06.4
July 24		
BH	e	16 00 35
	i	01 04
	F	16 03
July 25, H = 07 37 40** Tonga Islands region. Depth about 400 km.		
SH	iP	07 48 30.5
TUC	iP	07 48 51
	e	50 21
	F	07.8
July 25		
TUC	iP	20 11 34.5
	i	11 35.5
	iS	11 54.0
	i	11 56.5
	eL	12 29
	F	20.2

Date and Station		Phase (GCT)
		h m s
July 26, H = 10 32 17 Epicenter approximately 34.3° N., 81.4° W. Near Columbia, S. C. Felt over an area of 25 sq. mi.		
COLU	iP	10 32 23
	i	32 25
	iS	32 29
	F	10.6
PHIL	e(S)	10 35 46
	e	35 55
	e	36 03
	e	36 12
	iL	36 17
	F	10.7
RC	eL	10 43 24
	F	10.8
TUC	iP	10 37 39
	eL	46 26
	F	10.8
July 26		
HUAN	iP	15 17 23
	iS	17 42
	F	15.3
July 27		
BC	iP	17 06 12.5
OV	eP	17 06 19
PF	iP	17 06 31.5
TUC	iP	17 05 39
	e	10 20
	F	17.1
July 27		
TUC	iP	21 21 51
	F	21.4
July 28		
HUAN	eL	02 36 30
	F	02.8

Date and Station		Phase (GCT)
		h m s
July 28		
BH	e	11 15 07
	i	15 46
	F	11 19
July 28		
BH	e	13 18 28
	F	13 23
July 29, H = 00 25 00** New Britain region.		
TUC	iP	00 38 32
	F	00.7
July 29, H = 08 01 10** Off coast of El Salvador.		
TUC	eP	08 06 51
	F	08.1
July 29		
TUC	iP	09 42 03
	i	42 20
	F	09.7
July 29, H = 18 46 39** Gulf of California.		
BC	iP	18 50 13
	eL	53 03
CHI	e	19 00 08
	eL	01 06
	F	19.2
OV	iP	18 50 20
	i	50 30
	i	50 43
PHIL	eL	19 04 57
	F	19.3
TUC	iP	18 49 08
	i	49 29
	i	49 31
	i	50 08
	iS	50 38
		50 44
	iL	50 46
	F	19.0

Date and Station		Phase (GCT)
		h m s
July 30, H = 06 06 10 By Pasadena, 37°18' N., 118°04' W. Near Tinemaha, Calif. Mag. 4.1.		
BC	eP	06 07 03.8
	iP	07 05.7
	e	07 43
	e	07 47
OV	eP	06 07 09.2
	i	07 11.2
	i	07 15.2
TUC	e	06 08 08
	i	08 49
	eL	10 11
	F	06.2
July 30, H = 15 15 45* Northern Chile. Felt.		
MONT	eP	15 16(21)
	iS	16(49)
	eL	17(03)
	F	15.3
SJ	e	15 29 15
	eL	32 40
	F	15.7
TUC	iP	15 26 39
	i	26 59
	i	27 50
	i	28 15
	F	15.5
July 30		
TUC	eP	16 13 59
	F	16.2
July 31		
BC	eP	05 07 27.5
GC	eP	05 07 50
HUAN	eL	05 17 10
	F	05.6

Date and Station		Phase (GCT)
		h m s
July 31, cont.		
SJ	e	05 01 32
	e	10 28
	eL	29 45
	F	05.9
SH	iP	05 07 40.5
TUC	iP	05 07 17
	e	12 37
	eL	47 10
	F	06.2
July 31		
BC	eP	18 48 52
SH	eP	18 47 47.5
SIT	e(P)	18 45 34
	e	49 15
	eL	54 34
	F	19.7
TUC	iP	18 49 32
	F	18.9
July 31		
TUC	iP	18 49 32
	F	18.9
Aug. 1		
TUC	iP	07 43 02
	F	07.7
Aug. 1, H = 11 47 27* Epicenter in the region 11° S., 71° W. Eastern Peru. Depth about 650 km.		
BC	iP	11 56 53
	ipP	58 54.5
	eS	12 04 33
GC	iP	11 57 53
	ipP	12 00 00.5
	iS	06 28
HUAN	iP	11 49 03
	i	50 02
	iS	50 14
	eL	50 44
	F	12.0

Date and Station		Phase (GCT)
		h m s
Aug. 1, cont.		
OV	iP	11 56 55
	i	57 08
	e	57 16
SH	iP	11 57 38
TUC	iP	11 56 19
	e	56 53
	iPcP	57 04
	e	58 03
	ipP	58 19
	eS	12 03 28
	F	12.1
Aug. 1		
TUC	iP	17 49 37
	i	49 43
	iS	49 57
	i	50 00
	eL	50 11
	F	17.9
Aug. 1, H = 22 23 16* Epicenter in the region 24° N., 122° E. Near Formosa.		
BER	ePP	22 43 56
	eL	23 25 12
	F	00.2
BC	eP	22 37 04.6
	ePP	41 01
COL	eP	22 34 23
	eS	43 30
	e(ScS)	44 46
	eL	56 43
	F	23.7
COLU	e(P')	22 42 32
	ePS	52 56
	e(SS)	23 00 33
	e(SSS)	04 43
	e	06 15
	eL	24 07
	F	00.3
GC	eP	22 36 19
	i	36 34.5
	eS	47 03
	eScS	47 33

Date and Station		Phase (GCT)
		h m s
Aug. 1, cont.		
HONO	eP	22 34 55
	e(S)	44 32
	e(PPS)	45 02
	eL	58 36
	F	23.4
OV	e(P)	22 37 12.4
PHIL	ePP	22 42 49
	e(SKS)	49 08
	ePS	52 11
	eL	23 10 20
	F	00.5
RC	eS	22 49 02
	eL	23 20 10
	F	23.8
SJ	ePP	22 45 21
	eL	23 25 38
	F	00.7
SH	iP	22 36 28
	e	39 21
SIT	eP	22 35 09
	iP	35 12
	ePP	38 07
	eS	45 04
	ePPS	45 48
	e(SS)	50 24
	eL	57 35
	F	00.6
TUC	eP	22 37 28
	e(P')	41 05
	e	41 35
	ePS	51 06
	eL	23 13 43
	F	00.4
Aug. 2, H = 08 13 00** Off northern coast of Borneo.		
BC	eP'	08 32 11
	e	32 14
OV	eP'	08 32 16
SH	iP	08 27 27.5
	i	32 13.5

Date and Station		Phase (GCT)
		h m s
Aug. 2, cont.		
TUC	eP'	08 32 33
	i	32 49
	F	08.6
Aug. 2		
TUC	iP	08 44 01
	F	08.8
Aug. 2, H = 09 12 51** Probable epicenter near coast of northern Peru.		
HUAN	eP	09 14 45
	e	15 06
	eS	16 10
	eL	16 26
	F	09.4
TUC	iP	09 21 33
	F	09.4
Aug. 2		
TUC	iP	12 36 03
	F	12.6
Aug. 2, H = 13 19 05** Probable epicenter off Cape Mendocino, Calif.		
SH	iP	13 19 43.5
	i	19 49.8
	i	20 09
	iS	20 11
TUC	eP	13 22 33
	F	13.4
Aug. 2		
TUC	eP	15 59 32
	F	16.0
Aug. 2		
TUC	iP	16 49 41
	iS	50 02
	F	16.9
Aug. 2, H = 17 52 19* Epicenter in the region 24° N., 122° E. Aftershock, near Formosa.		

Date and Station		Phase (GCT)
		h m s
Aug. 2, cont.		
COL	eP	18 03 35
	e(S)	13 01
	eL	22 42
	F	19.2
GC	eP	18 05 22
	e	05 26
SJ	e(P')	18 12 16
	e(PP)	15 17
	e	21 58
	eL	46 13
	F	19.8
SH	iP	18 05 36
	ePP	09 08
SIT	eP	18 04 18
	e(S)	14 28
	e	19 48
	eL	27 10
	F	19.6
TUC	eP	18 06 37
	e	10 41
	F	18.2
Aug. 2		
TUC	iP	20 30 37
	F	20.5
Aug. 2, H = 20 44 43* Epicenter in the region 54° N., 133° W. Queen Charlotte Islands, off British Columbia. Possibly slightly deeper than normal.		
BER	eS	21 01 29
	e(SS)	05 35
	eL	06 20
	F	22.2
BC	eP	20 49 40
	e(S)	53 56
BOZ	eP	20 48 34
	e	49 48
	eS	51 34
	eL	52 26
	F	22.1

Date and Station		Phase (GCT)
		h m s
Aug. 2, cont.		
BUT	iP	20 48 25
	eS	51 18
	iL	52 32
	F	22.1
CHI	eP	20 51 18
	ePP	52 15
	eS	56 29
	eL	57 45
	F	22.5
COL	eP	20 47 53
	e(S)	50 31
	eL	51 48
	F	22.2
COLU	ePP	20 54 16
	eS	58 51
	eL	21 01 36
	F	22.4
GC	iP	20 47 20.5
	i	47 54.5
	iS	48 55
	e	49 39
	eL	50 09
HONO	eP	20 52 12
	ePP	53 26
	eS	58 07
	e	58 49
	eL	21 00 15
	F	21.6
LOG	eP	20 49 10
	e	50 00
	eS	52 42
	eL	54 17
	F	22.3
OV	e	20 50 09
	e	50 20.6
PHIL	eP	20 52 41
	ePP	54 04
	eS	58 37
	eL	21 01 45
	F	22.7

Date and Station		Phase (GCT)
		h m s
Aug. 2, cont.		
RC	iP	20 49 38
	iS	53 51
	eL	55 50
	F	21.0
SLC	eP	20 49 17
	eS	52 56
	eL	53 43
	F	22.1
SJ	eS	21 03 29
	eL	14 09
	F	22.5
SEA	e	20 47 16
	e(S)	48 26
	eL	49 03
	F	21.5
SH	eP	20 48 18
	iP	48 20.5
	eL	52 33
SIT	iP	20 45 33
	iS	46 09
	iL	46 28
	F	23.1
TUC	iP	20 50 26
	i	50 31
	ePP	51 19
	eS	55 18
	eL	57 53
	F	22.4
UK	eP	20 48 36
	e	49 28
	e(S)	51 48
	eL	53 26
	F	21.8
Aug. 3		
TUC	iP	04 00 26
	F	04.0

Aug. 3, H = 04 11 31*
Epicenter in the region 6° N., 82½° W. South of Panama.

Date and Station		Phase (GCT)
		h m s
Aug. 3, cont.		
BH	iP	04 12 34
	iS	13 24
	F	05 00
BER	e	04 20 01
	eS	23 01
	eL	24 44
	F	05.0
BC	iP	04 19 27
BOZ	eP	04 20 03
	eS	27 00
	eL	33 04
	F	06.1
CHI	eP	04 18 29
	ePP	19 55
	e	20 26
	eS	24 09
	eL	26 27
	F	05.5
COL	e	04 24 45
	eS	32 42
	eL	44 02
	F	05.6
COLU	eP	04 17 24
	eS	22 13
	eL	23 27
	F	05.3
GC	eP	04 20 43
HONO	eS	04 33 02
	eL	43 18
	F	05.3
HUAN	iP	04 15 58
	i	16 51
	iS	19 33
	eL	20 55
	F	05.5
LOG	eP	04 19 46
	e	20 26
	eS	26 19
	eL	30 08
	F	06.0

Date and Station		Phase (GCT)
		h m s
Aug. 3, cont.		
OV	eP	04 19 28
	iP	19 34.4
PHIL	iP	04 18 21
	i	18 38
	ePP	19 35
	ePPP	19 57
	eS	23 57
	eL	26 52
	F	05.6
RC	iP	04 19 25
	i	19 45
	iPP	21 06
	eS	25 49
	eL	30 08
	F	05.4
SLC	eP	04 19 43
	eS	26 18
	eL	33 24
	F	05.5
SJ	eP	04 16 08
	iP	16 11
	i	16 45
	iS	19 58
	eL	20 36
	F	05.5
SH	eP	04 20 23
SIT	eP	04 22 12
	eS	31 10
	eScS	32 13
	e(SS)	35 45
	eL	40 00
	F	05.6
TUC	iP	04 18 45
	iPP	20 13
	eS	24 25
	eL	27 31
	F	05.8
UK	e	04 25 40
	e(SS)	31 32
	eL	34 10
	F	05.1

Date and Station		Phase (GCT)
		h m s
Aug. 3, H = 06 34 41* Epicenter in the region 6° N., 82½° W. Aftershock of Panama quake.		
BH	eP	06 35 44
	iS	36 35
	F	Lost.
BER	eS	06 46 12
	eL	48 01
	F	07.0
BC	e(P)	06 42 31
	e	42 35
	e	51 32
	iL	51 53
BOZ	eL	07 10 36
	F	07.9
CHI	eP	06 41 47
	ePP	43 00
	ePPP	43 29
	eL	4° 54
	F	07.6
COL	eS	07 05 52
	eL	14 30
	F	07.8
COLU	eS	06 45 07
	eL	48 45
	F	07.5
HUAN	iP	06 39 06
	iPP	39 40
	eS	42 33
	eL	42 51
	F	Lost.
LOG	eL	06 59 26
	F	07.3
OV	e(P)	06 42 49
PHIL	eP	06 41 30
	iS	47 05
	F	07.8
RC	eP	06 42 38
	eL	51 54
	F	07.5

Date and Station		Phase (GCT)
		h m s
Aug. 3, cont.		
SLC	ePP	06 44 24
	eS	49 30
	eL	58 45
	F	07.8
SJ	eP	06 39 18
	iP	39 21
	iS	43 11
	eL	44 46
	F	Lost.
SIT	e(P)	06 45 44
	eS	54 06
	eL	07 03 18
	F	08.0
TUC	iP	06 41 57
	i	42 18
	ePP	43 22
	eS	47 18
	eL	51 13
	F	07.8
UK	eL	07 00 30
	F	07.5
Aug. 3, H = 06 43 55* Epicenter in the region 6° N., 82½° W. Aftershock of Panama quake.		
BH	eP	06 45 02
	iS	45 53
	F	Lost.
BER	eS	06 55 31
	eL	56 32
	F	07.2
HUAN	iP	06 48 19
	eS	51 50
	eL	53 19
	F	07.6
RC	eP	06 51 54
	eS	58 17
	eL	07 01 22
	F	07.5
SJ	iP	06 48 36
	eS	52 24
	eL	53 41
	F	07.7

Date and Station		Phase (GCT)
		h m s
Aug. 3, cont.		
TUC	eP	06 51 08
	F	06.9
Aug. 3, H = 06 58 27* Aftershock of Panama quake.		
BH	eP	06 59 27
	F	06 15
TUC	eP	07 05 41
	F	07.1
Aug. 3, H = 09 54 22* Aftershock of Panama quake.		
BH	eP	09 55 25
	F	10 02
TUC	eP	10 01 36
	F	10.1
Aug. 3, H = 10 49 33* Aftershock of Panama quake.		
BH	eP	10 50 35
	F	11 00
TUC	eP	10 56 47
	F	11.0
Aug. 4, H = 06 11 45* Aftershock of Panama quake.		
BOZ	eL	06 34 35
	F	07.9
TUC	eP	06 18 59
	F	06.3
Aug. 4		
BC	eP	06 48 21.5
	i	49 03
	i	50 27
GC	eP	06 48 41.5
OV	e	06 48 27
	i	48 29

Date and Station		Phase (GCT)
		h m s
Aug. 4, cont.		
SH	iP	06 48 10
TUC	iP	06 48 28
	ipP	48 46
	i	07 06 48
	F	07.3
Aug. 4, H = 14 48 16* Epicenter in the region 36½° N., 16½° E. Mediterranean Sea, near Sicily.		
GC	iP	15 01 08
SJ	eS	15 09 11
	eL	21 41
	F	15.3
TUC	iP	15 01 50
	ePPS	14 54
	e	20 27
	eL	34 36
	F	16.3
Aug. 4		
TUC	iP	16 30 52
	F	16.6
Aug. 4		
BH	iP	21 17 30
	iS	18 00
	F	22 00
Aug. 5		
HUAN	eP	01 05 44
	e	06 06
	e	06 55
	e	07 18
	eL	07 42
	F	01.2
Aug. 5		
TUC	i	20 19 15
	i	19 24
	i	19 33
	eS	20 19
	i	20 34
	iL	20 50
	F	20.4
Aug. 5		
GC	eP	21 59 13.5
	eS	22 07 52

Date and Station		Phase (GCT)
		h m s
Aug. 6		
TUC	eP	19 59 52
	F	20.0
Aug. 6		
TUC	eP	21 36 34
	i	36 49
	i	36 54
	eS	37 33
	i	37 54
	iL	38 07
	F	21.7
Aug. 6, H = 23 02 10* Epicenter in the region 6° S., 73½° W. Near Moyobamba, Peru. Felt in northwestern Peru. Depth about 100 km.		
BC	eP	23 11 33.5
HUAN	iP	23 03 40
	i	04 14
	iS	04 54
	iL	05 19
	F	23.9
PHIL	iP	23 10 24
	ePP	12 19
	e(PcS)	15 56
	eS	16 57
	eSS	20 29
	eL	22 56
	F	00.0
PF	iP	23 11 31.5
SJ	iP	23 07 37
	e	09 51
	eS	11 54
	eL	12 53
	F	00.0
TUC	iP	23 10 57
	i	11 06
	ePP	12 49
	ePPP	13 59
	eL	28 44
	F	00.2
SH	iP	23 12 24

Date and Station		Phase (GCT)
		h m s
Aug. 7		
HUAN	eP	06 53 00
	eS	53 43
	eL	53 49
	F	07.1
SJ	eL	07 14 24
	F	07.5
Aug. 7		
TUC	iP	17 40 45
	iS	41 07
	eL	41 27
	F	17.7
Aug. 7, H = 18 27 10** Probable epicenter near coast of northern Chile. Depth 100 km.		
MONT	e(P)	18 28 10
	eS	28 52
	eL	29 00
	F	18.6
SJ	iS	18 39 29
	i	41 04
	e	42 46
	eL	45 31
	F	19.0
SH	iP	18 38 50
TUC	iP	18 37 38
	ipP	38 03
	F	18.7
Aug. 7, H = 22 07 39* Epicenter in the region 31° N., 142° E. North of Bonin Islands.		
BUT	eS	22 29 37
	eL	45 08
	F	23.5
BOZ	eS	22 29 46
	eSSS	38 29
	eL	51 22
	F	23.4
HONO	eS	22 24 49
	eL	30 43
	F	23.4

Date and Station		Phase (GCT)
		h m s
Aug. 7, cont.		
LOG	eP	22 19 58
	e	20 29
	eS	30 04
	e(SS)	35 35
	eL	44 37
	F	23.5
PHIL	e	22 32 43
	eSS	40 21
	eL	53 07
	F	23.8
PF	eP	22 20 07.8
RC	eP	22 20 18
	eS	30 40
	eL	49 25
	F	23.5
SLC	ePS	22 31 10
	eL	43 46
	F	23.6
SJ	e(PP)	22 29 16
	e	48 48
	eL	23 09 11
	F	23.9
SH	eP	22 19 20.5
SIT	e(P)	22 18 18
	eS	26 15
	eScS	27 46
	eL	36 20
	F	00.0
TUC	eP	22 20 26
	e	21 24
	eS	30 57
	eL	47 30
	F	23.7
UK	eL	22 39 50
	F	23.8
Aug. 8		
SJ	eL	00 16 21
	F	00.4
TUC	eP	00 14 10
	F	00.3

Date and Station		Phase (GCT)
		h m s
Aug. 8		
TUC	eP	05 26 06
	F	05.5
Aug. 8		
TUC	iP	05 34 11
	e	34 21
	eS	35 06
	i	35 16
	iL	35 33
	F	05.6
Aug. 8		
TUC	iP	06 44 27
	i	44 35
	i	44 40
	iS	45 22
	i	45 31
	iL	46 18
	F	06.8
Aug. 8, H = 09 53 40* Epicenter in the region 12° N., 92° E. Andaman Islands.		
BER	ePP	10 15 26
	eSS	32 27
	eL	11 09 06
	F	11.6
BOZ	ePP	10 13 53
	eSKS	19 29
	ePS	23 53
	eSS	30 12
	eSSS	34 46
	eL	46 16
	F	12.2
BUT	ePP	10 13 47
	ePS	23 44
	e	25 59
	eSS	29 59
	e(SSS)	34 51
	eL	50 14
	F	12.1
CHI	ePP	10 14 41
	e	21 47
	ePPS	26 52
	eSS	31 47
	eL	45 21
	F	12.1

Date and Station		Phase (GCT)
		h m s
Aug. 8, cont.		
COL	eP	10 06 50
	ePP	10 29
	eSKS	17 15
	eS	17 44
	ePS	19 07
	eSS	23 57
	eL	37 14
	F	11.8
COLU	ePP	10 15 40
	eSS	33 20
	e	34 25
	eL	52 26
	F	12.3
HUAN	ePP	10 19 01
	e(SKKS)	25 34
	e	29 43
	eSS	39 34
	eSSS	45 07
	eL	11 17 40
	F	12.4
LOG	e(P')	10 13 01
	e	13 15
	eL	54 29
	F	11.5
PHIL	ePP	10 14 43
	e	16 07
	eSS	31 19
	eL	46 45
	F	12.1
PF	iP'	10 12 47.7
RC	ePS	10 24 13
	eSS	30 35
	e	34 28
	eL	52 45
	F	12.0
SLC	e(PP)	10 15 18
	e(SKS)	20 36
	e(SS)	32 10
	eL	59 38
	F	12.4
SJ	eP'	10 13 16
	eSKS	20 30
	eSS	35 05
	e	36 27
	eL	11 02 30
	F	12.0

Date and Station		Phase (GCT)
		h m s
Aug. 8, cont.		
SH	iP	10 12 31.5
	ePP	13 49.5
SIT	ePP	10 11 42
	eSKS	18 11
	eS	19 10
	ePS	20 52
	eSS	26 10
	eL	42 25
	F	12.4
TUC	iP'	10 12 56
	ePP	15 10
	i	16 18
	eSKS	20 36
	eSKKS	21 59
	e	25 10
	eL	52 11
	F	12.4
UK	eL	10 59 20
	F	11.5
Aug. 8		
TUC	eP	11 17 27
	i	20 49
	F	11.4
Aug. 8		
PF	i	20 00 48
Aug. 9		
TUC	eP	02 29 50
	F	02.5
Aug. 9, H = 03 13 32* Epicenter in the region 6° S., 76½° W. Aftershock of Peru quake. Depth 100 km.		
TUC	iP	03 22 19
	i	22 30
	i	23 01
	F	03.4
HUAN	iP	03 15 03
	e	15 37
	e	16 08
	iS	16 16
	eL	16 38
	F	03.5

Date and Station		Phase (GCT)
		h m s
Aug. 9		
SJ	eP	03 19 12
	eS	23 32
	eL	24 43
	F	03.8
Aug. 9		
TUC	iP	18 10 20
	F	18.2
Aug. 9		
BC	e	18 31 33
	i	31 40.2
	i	32 06.8
PF	e	18 31 45.5
	i	31 50.5
	i	32 24.5
Aug. 9		
TUC	iP	21 15 36
	F	21.3
Aug. 10		
COL	e	00 54 53
	e	55 27
	eL	01 02 21
	F	02.2
PHIL	e	00 40 34
	e	42 01
	e	45 46
	eL	47 16
	F	01.8
TUC	iP	00 35 12
	F	00.6
Aug. 10, H = 04 23 10** Probable epicenter, Central Peru.		
HUAN	iP	04 23 32
	i	23 40
	iS	23 47
	iL	23 52
	F	04.5
TUC	eP	04 32 10
	F	04.5

Date and Station		Phase (GCT)
		h m s
Aug. 10, H = 11 20 16* Epicenter in the region 15½° N., 89° W. Guatemala. Considerable property damage in Quiriqua. Felt in Chiquimula, Zacapa, and Izabel.		
BH	eP	11 22 58
	eL	25 47
	F	11 45
BER	eP	11 26 05
	eL	31 00
	F	12.7
BC	eP	11 26 35
	eL	33 16
BOZ	eP	11 27 13
	ePP	28 34
	e(PcP)	29 49
	eS	32 49
	eL	36 42
	F	12.4
BUT	eP	11 27 21
	ePP	28 48
	eS	33 19
	eL	36 07
	F	12.4
CHI	iP	11 25 51
	e	28 43
	iS	30 32
	eL	32 00
	F	12.4
COI	eS	11 39 20
	eSS	43 14
	eL	46 12
	F	12.7
COLU	eP	11 24 48
	e(S)	28 45
	eL	31 57
	F	12.3
GC	eP	11 28 04
	iPP	29 37

Date and Station		Phase (GCT)
		h m s
Aug. 10, cont.		
HUAN	eP	11 26 31
	eS	31 43
	eL	33 40
	F	12.1
OV	eP	11 26 24.5
PHIL	iP	11 26 02
	e	26 37
	eS	30 32
	eL	32 46
	F	12.6
PF	iP	11 26 30
	i	26 32.5
RC	iP	11 26 37
	eS	31 46
	eL	32 40
	F	12.4
SLC	eP	11 26 44
	e(PPP)	28 03
	eS	32 02
	eL	33 07
	F	12.5
SJ	eP	11 25 12
	e	26 15
	e	26 35
	eS	29 08
	e	29 25
	eL	31 33
	F	13.0
SH	eP	11 27 37.5
	ePP	29 13
	i(PcP)	29 50.5
SIT	eP	11 29 42
	ePPP	33 07
	eS	37 25
	eScS	39 28
	eL	46 40
	F	12.9
TUC	iP	11 25 50
	iPP	26 28
	i	29 19
	eS	30 24
	eL	34 49
	F	12.4

Date and Station		Phase (GCT)
		h m s
Aug. 11, cont.		
UK	eL	00 49 46
	F	01.4
Aug. 10, H = 14 09 05* Epicenter in the region 15½° N., 89° W. Aftershock of Guatemala quake.		
BH	eP	14 11 47
	F	14 24
CHI	e(S)	14 19 28
	eL	22 46
	F	14.9
PHIL	eL	14 19 38
	F	14.8
SJ	eP	14 14 02
	eS	18 10
	eL	19 33
	F	15.3
SIT	eL	14 40 28
	F	15.1
TUC	eP	14 14 39
	ePP	15 21
	i(PcP)	18 06
	eS	19 14
	eL	23 22
	F	14.8
Aug. 10		
TUC	iP	15 16 16
	F	15.3
Aug. 10		
TUC	eP	17 37 48
	F	17.7
Aug. 10		
TUC	eP	19 12 32
	e	15 02
	F	19.3
Aug. 10		
BH	e	21 52 36
	F	21 54

Date and Station		Phase (GCT)
		h m s
Aug. 11, H = 00 33 50* Epicenter in the region 7° N., 82° W. South of Panama.		
BH	eP	00 34 41
	i(S)	35 27
	F	01 00
BER	eP	00 40 04
	eS	45 07
	eL	46 31
	F	01.9
BC	eP	00 41 37.5
	iP	41 41.5
	eS	48 05
BOZ	eS	00 49 06
	eSS	52 12
	eL	53 28
	F	01.4
BUT	eP	00 42 20
	e	42 41
	ePP	44 20
	eS	49 15
	eSS	52 28
	eL	54 28
	F	01.7
CHI	eP	00 40 45
	ePP	42 00
	eS	46 13
	eL	48 57
	F	01.8
COLU	eP	00 39 26
	eS	44 16
	eL	46 20
	F	00.8
GC	eP	00 42 56.5
HONO	e(PPS)	00 55 46
	eL	01 05 32
	F	01.6
HUAN	iP	00 38 30
	i	39 27
	eS	42 03
	eL	43 12
	F	01.1

Date and Station		Phase (GCT)
		h m s
Aug. 11, cont.		
LOG	eP	00 41 58
	e	42 10
	ePP	43 53
	eS	48 23
	eL	51 39
	F	01.8
PF	iP	00 41 33.3
	i	41 37.8
	i	42 36.3
RC	iP	00 41 39
	iPP	43 16
	eS	47 50
	eL	50 52
	F	01.6
SLC	eP	00 41 51
	e	43 49
	eS	48 19
	eL	56 01
	F	01.9
SJ	eP	00 38 15
	iP	38 20
	e	39 16
	i	39 22
	i(S)	42 03
	eL	42 48
	F	02.1
SIT	eP	00 44 34
	ePPP	48 33
	eS	53 17
	e	57 12
	eL	01 03 40
	F	02.0
TUC	iP	00 40 55
	i	41 00
	ePP	42 25
	eS	46 45
	eL	51 40
	F	02.0
Aug. 11		
TUC	iP	01 22 50
	F	01.4

Date and Station		Phase (GCT)
		h m s
Aug. 11		
BH	e	03 35 58
	F	03 37
Aug. 11		
BH	e	04 16 49
	F	04 21
Aug. 11		
BH	iP	04 55 43
	iS	56 15
	F	05 00
Aug. 11		
BH	e	08 04 00
	F	08 08
Aug. 11, H = 11 14 59 By Pasadena 37°25' N., 117°20' W. Southeast of Lida, Nevada. Mag. 3.3.		
BC	iP	11 15 40.0
	i	15 40.6
	i	15 42.5
	iS	16 10.7
OV	iP	11 15 41.2
PF	iP	11 15 44.1
	i	15 53.6
	i	15 59.1
	iS	16 24.1
TUC	eP	11 16 52
	e	17 15
	iP	17 21
	eL	18 41
	F	11.3
Aug. 11, H = 14 37 30** Probable epicenter Samoa Islands region. Felt at Apia.		
TUC	iP	14 49 18
	F	14.9
Aug. 11		
TUC	eP	16 02 27
	F	16.1

Date and Station		Phase (GCT)
		h m s
Aug. 12, H = 08 33 00* Epicenter in the region 28° N., 142° E. Bonin Islands.		
GC	e(P)	08 45 00
SH	iP	08 44 52
SIT	eL	08 59 10
	F	09.3
TUC	iP	08 45 57
	e	46 16
	e	46 46
	eL	09 14 33
	F	09.8
Aug. 13, H = 03 24 03* Epicenter in the region 63° N., 147° W. Central Alaska.		
BUT	eL	03 39 15
	F	03.8
COL	eP	03 24 33
	e(S)	24 43
	eL	25 19
	F	03.7
GC	e(P)	03 29 01
	eL	36 19
PHIL	eL	03 47 17
	F	04.1
PF	iP	03 30 46.7
SH	iP	03 29 43
SIT	eL	03 29 22
	F	03.7
TUC	iP	03 31 26
	i	31 35
	F	03.6
Aug. 13		
COL	eL	03 40 04
	F	03.8

Date and Station		Phase (GCT)
		h m s
Aug. 13		
TUC	iP	06 27 42
	i	27 53
	eS	28 20
	i	28 29
	eL	28 43
	F	06.5
Aug. 13		
TUC	eP	09 38 07
	F	09.7
Aug. 13		
TUC	iP	21 20 10
	i	20 16
	i	20 22
	eS	20 41
	iL	21 15
	F	21.4
Aug. 14, H = 02 08.4 By Pasadena, 32° N., 115° W. Southeast of Laguna Salada, Calif.		
TUC	eP	02 09 24
	i	09 30
	i	09 40
	eS	10 06
	i	10 15
	i	10 30
	eL	10 36
	F	02.2
Aug. 14, H = 02 20.2 By Pasadena, 32° N., 115° W. Southeast of Laguna Salada, Calif. Mag. 4.4.		
BC	i	02 21 38.8
	iS	21 56.1
	e	22 38.6
	i	22 41.6
PF	i(P)	02 21 22.4
	i	21 43.9
	e	22 51
OV	eP	02 21 44.8
	i	22 02.8
	i	23 09.8
	i	24 06.8

Date and Station		Phase (GCT)
		h m s
Aug. 14, cont.		
TUC	e(P)	02 21 13
	i	21 19
	i	21 24
	i	21 29
	iS	22 02
	i	22 17
	i	22 32
	iL	22 49
	F	02.5
Aug. 14		
SJ	eL	06 37 38
	F	06.7
Aug. 14		
SJ	eL	06 41 32
	F	06.9
Aug. 14		
SJ	eL	06 57 11
	F	07.0
Aug. 14, H = 07 55 40** Probable epicenter, Java Sea. Depth 600 km.		
TUC	iP'	08 13 57
	i	14 16
	ipP'	16 09
	i	23 48
	F	08.5
GC	iP'	08 13 36
PF	iP'	08 13 50.6
SH	iP'	08 13 34.5
	e	14 22.3
	i	14 34.3
Aug. 14, H = 12 10 50* Epicenter in the region 27° N., 130° E. South of Kyushu, Japan.		
BER	ePP	12 31 11
	ePS	41 01
	eL	13 12 49
	F	14.4

Date and Station		Phase (GCT)
		h m s
Aug. 14, cont.		
BUT	eP	12 23 45
	eS	34 24
	e	38 39
	e	45 25
	eL	51 21
	F	14.2
COL	eP	12 21 19
	eS	29 46
	eSS	34 17
	eL	39 35
	F	13.8
GC	iP	12 23 18
	i	23 59
HONO	eS	12 30 27
	eL	37 37
	F	13.2
HUAN	eP'	12 30 47
	eL	42 53
	F	14.6
PHIL	ePP	12 30 02
	ePS	39 05
	eL	55 01
	F	14.3
PF	iP	12 24 05.6
	i	24 33.1
RC	eP	12 24 13
	e	26 20
	eSKS	34 48
	eL	58 49
	F	14.1
SLC	eS	12 35 04
	eL	13 04 12
	F	14.3
SJ	ePP	12 32 43
	e	33 27
	eSSS	55 13
	eL	13 13 48
	F	14.5
SH	iP	12 23 27

Date and Station		Phase (GCT)
		h m s
Aug. 14, cont.		
SIT	ePP	12 24 43
	e	26 52
	eS	31 20
	e(ScS)	32 29
	eL	46 20
	F	14.0
TUC	eP	12 24 26
	e	24 46
	ePP	28 26
	ePPP	30 32
	e(PS)	37 34
	eL	54 04
	F	14.4
UK	eL	12 46 42
	F	13.5
Aug. 14		
TUC	eP	17 32 19
	i	32 31
	F	17.6
Aug. 14		
PF	iP	19 57 04.7
TUC	iP	19 57 06
	F	20.0
Aug. 14		
BC	e	20 07 06
	i	07 21
GC	e	20 07 07
PF	e	20 05 05.9
	i	05 28.2
	i	07 10.7
Aug. 14		
SH	iP	21 16 32.5
TUC	iP	21 17 38
	F	21.4
Aug. 15		
TUC	eP	10 31 49
	F	10.6
Aug. 15		
TUC	iP	11 40 57
	F	11.7

Date and Station		Phase (GCT)
		h m s
Aug. 15, H = 14 15 54* Epicenter in the region 29° N., 142° E. Bonin Islands region.		
HONO	eL	14 42 22
	F	14.9
PF	iP	14 28 23.6
	i	28 38.1
SH	eP	14 27 38.5
Aug. 15		
TUC	iP	15 26 33
	F	15.5
Aug. 15, H = 17 56 24 By Pasadena, 33°13' N., 116°08' W. San Jacinto Fault zone, near Borego Valley. Felt widely in southern California and adjoining Lower California. Mag. 5.7.		
BC	iP	17 57 10.9
	i	57 12.3
	i	57 19.8
	i	57 21.8
	iS	57 46.5
	i	57 54.5
BOZ	eS	18 02 10
	eL	03 12
	F	18.4
BUT	eS	18 01 44
	eL	02 12
	F	19.4
CHI	eS	18 06 09
	eL	08 46
	F	19.5
GC	eP	18 00 07
	eL	04 18
HONO	eL	18 15 27
	F	18.4
OV	iP	17 57 20.5
	i	57 33

Date and Station		Phase (GCT)
		h m s
Aug. 15, cont.		
PHIL	eL	18 10 16
	F	18.8
PF	iP	17 57 16.2
RC	e	18 00 34
	eS	02 50
	eL	03 38
	F	18.4
SH	eP	17 58 39.2
	e	58 42
	i	58 46
	e(S)	18 00 32
	e	00 52
SIT	e(S)	18 07 20
	eL	09 54
	F	18.4
TUC	iP	17 57 32
	i	57 43
	i	57 51
	i	58 11
	iS	58 26
	i	58 45
	iL	58 49
	F	18.3
UK	e(S)	18 00 32
	eL	01 05
	F	18.4
Aug. 15, H = 18 43 55 By Pasadena, 33°13' N., 116°08' W. Aftershock of San Jacinto Fault quake.		
BC	iP	18 44 50.7
	e	45 26
PF	iP	18 44 56.7
	i	45 01.2
TUC	iP	18 45 09
	e	45 26
	e(S)	46 08
	eL	46 33
	F	18.8

Date and Station		Phase (GCT)
		h m s
Aug. 15		
PF	iP	19 33 30.8
Aug. 15, H = 21 02 13 By Pasadena, 33°07' N., 116°09' W. San Jacinto Fault zone, near Borego Valley, Calif. Mag. 3.3.		
TUC	e	21 03 48
	eL	04 47
	F	21.1
Aug. 16		
PF	iP	00 09 41.9
Aug. 16, H = 00 09 50** Probable epicenter in the region of Amsterdam and St. Paul Islands, Indian Ocean.		
BER	eL	01 28 17
	F	02.2
COL	eL	01 27 46
	F	02.3
SJ	eSS	00 52 20
	eL	01 10 55
	F	Lost.
SH	eP'	00 30 11
TUC	eP'	00 30 10
	ePP	34 35
	eL	01 29 48
	F	02.4
Aug. 16, H = 01 34 00** Probable epicenter in the region of Sandwich Islands.		
BER	eSKS	01 57 41
	e(S)	58 22
	eL	02 11 47
	F	02.5
GC	eP'	01 53 12

Date and Station		Phase (GCT)
		h m s
Aug. 16, cont.		
HUAN	eP	01 43 54
	eS	51 49
	eL	02 00 45
	F	02.4
SJ	e(P)	01 46 36
	eS	56 11
	e	57 15
	eSSS	02 05 08
	eL	12 45
	F	02.8
SH	eP'	01 52 57
	ePP	54 47
SIT	eL	02 34 08
	F	03.3
TUC	iP'	01 52 38
	eSKS	59 15
	F	02.0
Aug. 16, H = 13 01 36** Probable epicenter, Tonga Islands region.		
TUC	iP	13 13 56
	F	13.3
Aug. 16, H = 19 22 25** Probable epicenter, off southeast coast of Hokkaido, Japan.		
SH	i(P)	19 33 40
TUC	iP	19 34 30
	F	19.6
Aug. 16, H = 23 23 19** Probable epicenter, Loyalty Islands region.		
SH	eP	23 36 13
TUC	eP	23 36 35
	F	23.7
Aug. 16, H = 23 56 28** Probable epicenter, Loyalty Islands region.		

Date and Station		Phase (GCT)
		h m s
Aug. 17, cont.		
SH	iP	00 09 25
	i	09 45
TUC	iP	00 09 48
	i	09 57
	F	00.2
Aug. 17, H = 14 57 25** Probable epicenter, Loyalty Islands region.		
SH	iP	15 10 22.5
	i	10 31
TUC	iP	15 10 45
	i	10 53
	F	15.2
Aug. 17		
TUC	iP	17 11 13
	F	17.2
Aug. 17, H = 18 40 10** Probable epicenter, Central America.		
TUC	iP	18 45 40
	i(PcP)	49 06
	F	18.9
Aug. 17, H = 18 52 36** Probable epicenter, Marianas Islands region.		
GC	iP	19 05 14.5
SH	iP	19 05 11.5
TUC	eP	19 06 07
	F	19.2
Aug. 17, H = 19 05 35* Epicenter in the region 61° N., 149° W. Southern Alaska.		
BC	eP	19 12 09

Date and Station		Phase (GCT)
		h m s
Aug. 17, cont.		
COL	e	19 07 29
	eS	07 18
	eL	07 50
	F	19.4
GC	iP	19 10 26
	i	10 36
OV	eP	19 12 07.3
PHIL	eL	19 28 17
	F	19.6
PF	iP	19 12 11.4
	e	12 23.9
SH	iP	19 11 05
SIT	eP	19 07 35
	iS	09 04
	eL	10 32
	F	19.4
TUC	iP	19 12 51
	i	13 14
	i(PcP)	15 04
	eS	18 42
	eL	24 51
	F	19.5
Aug. 17, H = 20 21 14 By Pasadena, 37°25' N., 118°35' W. West of Bishop, Calif. Mag. 4.2.		
BC	e(P)	20 22 09.5
	e	22 13.6
	i	22 14.1
	e(S)	22 54.7
	i	22 56.5
OV	e(P)	20 22 06.8
	e	22 12.3
	i	22 18.3
	iS	23 00
PF	e(P)	20 22 13.9
	e	22 17
	i	22 24
	iS	23 15

Date and Station		Phase (GCT)
		h m s
Aug. 17, cont.		
SH	eP	20 22 28
	i	22 31
	i(S)	23 34.5
TUC	e	20 23 54
	eL	25 14
	F	20.5
Aug. 17		
TUC	iP	22 24 36
	i	25 31
	F	22.5
Aug. 18, H = 00 01 47** Probable epicenter off coast of northern Chile.		
TUC	iP	00 12 32
	F	00.3
Aug. 18, H = 11 04 47** Probable epicenter, region of Honshu, Japan.		
TUC	iP	11 17 37
	F	11.3
Aug. 19, H = 04 05 50** Probable epicenter, region of Hokkaido, Japan.		
TUC	eP	04 17 55
	i	18 06
	F	04.4
Aug. 19, H = 05 30 26* Epicenter in the region 11° S., 76° W. Northern Peru.		
HUAN	iP	05 30 49
	iS	31 08
	eL	31 27
	F	05.7
TUC	iP	05 39 57
	F	05.7

Date and Station		Phase (GCT)
		h m s
Aug. 19, H = 07 31 58* Epicenter in the region 5½° N., 82½° W. Off southern coast of Panama.		
BH	eP	07 33 08
	F	07 40
SJ	eP	07 36 41
	eS	40 36
	eL	43 14
	F	07.8
TUC	eP	07 39 13
	eL	53 00
	F	08.1
Aug. 19, H = 07 16 21 By Pasadena, 32°55' N., 116°25' W. Elsinore Fault, southeast of Cuyamaca, Calif. Mag.3.4.		
BC	i	07 17 22.8
	iS	18 03.3
TUC	e(P)	07 17 45
	i	17 51
	i	18 15
	eL	18 56
	F	07.4
Aug. 19, H = 10 22 43** Probable epicenter, Kamchatka region.		
BC	iP	10 32 32
	i	32 40
GC	iP	10 31 09.5
	i	31 17.5
OV	iP	10 32 32
	i	32 48
PF	iP	10 32 34
	i	32 42
SH	iP	10 31 35.5
	i	31 43
TUC	iP	10 33 07
	i	33 15
	F	10.6

Date and Station		Phase (GCT)
		h m s
Aug. 19		
SJ	eL	10 43 50
	F	10.8
Aug. 19		
TUC	iP	11 13 45
	F	11.3
Aug. 19		
TUC	i	13 31 45
	e(S)	32 24
	i	32 30
	eL	32 45
	F	13.6
Aug. 19		
SH	iP	17 38 25.3
	i	39 01
Aug. 19		
TUC	eP	19 34 05
	F	19.6
Aug. 19		
BC	eP	22 03 42
OV	e	22 03 46
PF	iP	22 03 45.6
Aug. 20		
TUC	eP	13 51 45
	i	51 58
	e(S)	52 28
	eL	52 51
	F	13.9
Aug. 20		
BH	e	14 34 40
	F	14 37
Aug. 20		
BH	eP	21 51 42
	iS	51 56
	F	21 54
Aug. 21		
TUC	iP	01 04 19
	F	01.1

Date and Station		Phase (GCT)
		h m s
Aug. 21		
TUC	i(P)	04 56 39
	e(S)	57 36
	eL	58 18
	F	05.1
Aug. 21, H = 10 07 12* Epicenter in the region 43° N., 131° E. Near Vladivostok, U. S. S. R. Depth about 600 km.		
BC	iP	10 18 34.3
	i	18 52
	i	19 08
	ipP	20 36
	i(sP)	21 47
	iS	28 01
GC	eP	10 17 33.5
	iP	17 35
	iPP	20 19
OV	iP	10 13 34
	i	19 22
PF	iP	10 18 36
	i	19 31.6
RC	eP	10 18 34
	eS	28 03
	eL	45 23
	F	10.9
SH	iP	10 17 53
	ipP	19 51.3
	isP	20 50
	e(SP)	27 06
	e	29 27
TUC	iP	10 18 58
	i	19 26
	ipP	21 02
	iPP	22 32
	e	33 46
	F	10.6
Aug. 21, H = 16 29 37* Epicenter in the region 10½° S., 75½° W. Central Peru. Felt in west-central Peru. Depth about 100 km.		

Date and Station		Phase (GCT)
		h m s
Aug. 21, cont.		
BH	eP	16 34 04
	F	16 48
BER	eP	16 37 35
	epP	38 09
	esP	38 15
	e	43 16
	e(S)	44 14
	eL	47 31
	F	17.3
BC	iP	16 39 31.5
	ipP	40 02
	eS	47 36
	esS	48 28
	e	48 51
CHI	eP	16 38 45
	epP	39 15
	eS	46 04
	eL	55 46
	F	17.5
GC	iP	16 40 39
	ipP	41 09.3
HUAN	iP	16 30 08
	iS	30 25
	F	17.2
OV	iP	16 39 34
PHIL	iP	16 38 24
	ePP	40 23
	e	40 58
	eS	45 25
	esS	46 10
	eScS	47 50
	eSS	49 14
	eL	55 37
	F	17.4
PF	iP	16 39 29
	ipP	39 59.7
	eS	47 30

Date and Station		Phase (GCT)
		h m s
Aug. 21, cont.		
RC	iP	16 39 36
	ipP	40 06
	i(PcP)	40 34
	e	42 37
	iS	47 42
	iSS	48 33
	eL	49 34
	F	17.5
SJ	eP	16 35 39
	ipP	36 12
	eS	40 21
	iS	40 24
	eL	41 24
	F	17.5
SH	iP	16 40 19.5
	ipP	40 50
	eS	49 06
TUC	iP	16 38 56
	ipP	39 25
	iPcP	39 57
	i	40 11
	iPPP	42 05
	eS	46 30
	esS	47 20
	e	49 32
	eL	55 47
	F	17.5
Aug. 21, H = 16 42 05** Probable epicenter, Kamchatka region.		
BC	iP	16 52 07
	i	52 23
GC	iP	16 50 47
PF	iP	16 52 10
SH	iP	16 51 11
TUC	iP	16 52 40
	i	52 57
	F	Lost.
Aug. 21, H = 20 02 40* Epicenter in the region 17½° S., 168° E. New Hebrides Islands.		

Date and Station		Phase (GCT)
		h m s
Aug. 21, cont.		
BER	ePP	20 24 06
	e	25 16
	ePPS	36 03
	eSS	42 01
	eL	21 08 44
	F	22.5
BC	eP	20 15 44
	i	15 48
	eSKS	26 15
BOZ	eSKS	20 26 52
	eS	27 38
	ePS	28 53
	eSS	33 35
	eL	43 20
	F	22.0
CHI	ePP	20 22 01
	ePS	31 39
	e	38 24
	e	52 27
	F	22.4
COL	eP	20 15 36
	eSKS	26 10
	eS	26 32
	eL	39 12
	F	22.1
COLU	e	20 20 33
	eSKS	28 20
	e	32 31
	eL	50 25
	F	22.1
HONO	e	20 18 21
	eS	19 04
	e	19 32
	eL	24 11
	F	21.4
OV	e(P)	20 15 56
	e	16 32.4
PHIL	eP	20 17 47
	ePP	23 06
	eSKS	28 23
	e	30 02
	ePS	32 21
	e	35 14
	e	40 00
	eL	53 22
	F	22.5

Date and Station		Phase (GCT)
		h m s
Aug. 21, cont.		
PF	eP	20 15 47
	ePP	19 39
RC	eSKS	20 27 12
	e(PS)	29 49
	eL	52 20
	F	22.0
SLC	ePP	20 19 48
	e(SKS)	26 43
	e	30 01
	eL	43 28
	F	21.8
SJ	eP'	20 21 53
	ePP	24 07
	e	25 10
	e	35 16
	eSSS	46 04
	eL	21 03 10
	F	22.7
SH	eP	20 15 27
SIT	eP	20 15 32
	e	21 31
	eS	26 06
	e(PS)	27 30
	e	35 04
	eL	38 50
	F	21.2
TUC	eP	20 15 53
	e	16 03
	ePP	19 33
	ePS	28 09
	e(SS)	34 34
	eL	44 54
	F	21.6
UK	eS	20 25 50
	eL	41 34
	F	21.9
Aug. 22, H = 05 03 35* Epicenter in the region 17½° S., 168° E. Aftershock of New Hebrides quake.		
TUC	eP	05 16 48
	F	05.3

Date and Station		Phase (GCT)
		h m s
Aug. 22, H = 05 14 09* Epicenter in the region 17½° S., 168° E. Aftershock of New Hebrides quake.		
BER	e	05 36 48
	ePKS	47 35
	eL	06 15 31
	F	07.5
BC	eP	05 27 14
COLU	eL	06 12 12
	F	07.2
COL	eP	05 27 15
	eSKS	37 41
	eL	59 24
	F	07.0
HONO	eS	05 30 30
	eL	35 41
	F	06.2
HUAN	ePS	05 43 02
	e(SS)	49 38
	eL	06 03 30
	F	07.0
PHIL	e	05 44 26
	e	47 16
	eSS	49 30
	e	51 43
	eL	06 04 30
	F	07.4
OV	eP	05 27 21.7
	e	27 34.2
PF	eP	05 27 17
RC	eP	05 28 12
	eSKS	38 46
	ePS	41 18
	eL	06 02 25
	F	07.0
SLC	e(SKS)	05 38 11
	ePS	40 07
	eL	55 18
	F	06.9

Date and Station		Phase (GCT)
		h m s
Aug. 22, cont.		
SJ	ePP	05 35 28
	e	36 43
	ePS	45 26
	ePPS	47 09
	eL	06 15 11
	F	07.7
SH	eP	05 26 56.5
SIT	e	05 36 35
	eSKS	37 36
	ePS	39 06
	eL	49 52
	F	07.1
TUC	eP	05 27 22
	ePP	31 13
	e	38 36
	ePS	39 47
	eSS	44 49
	eL	52 04
	F	07.2
UK	e	05 38 32
	eL	53 22
	F	06.6
Aug. 22		
SIT	eL	08 50 35
	F	08.9
Aug. 22, H = 08 39 40* Aftershock of New Hebrides quake.		
TUC	iP	08 52 53
	F	08.9
Aug. 22		
SJ	eL	20 17 06
	F	20.4
Aug. 23		
TUC	iP	19 29 31
	i	29 36
	iS	30 08
	eL	30 24
	F	19.6
Aug. 24, H = 09 15 53** Probable epicenter, Central America.		

Date and Station		Phase (GCT)
		h m s
Aug. 24, cont.		
SJ	eL	09 28 33
	F	09.8
TUC	iP	09 21 40
	e(S)	26 18
	eL	32 10
	F	09.7
Aug. 24, H = 09 37 25** Probable epicenter, Central America.		
BC	i(P)	09 44 27
TUC	eP	09 43 12
	i	43 25
	eL	54 06
	F	10.0
Aug. 24		
HUAN	eL	12 38 37
	F	12.9
Aug. 24		
TUC	eP	13 32 56
	F	13.6
Aug. 24		
TUC	eP	17 03 48
	i	03 54
	i	03 57
	iS	04 51
	i	05 01
	eL	05 29
	F	17.2
Aug. 24		
TUC	iP	18 45 02
	i	45 06
	iS	45 19
	i	45 25
	eL	45 41
	F	18.8
Aug. 24		
SJ	eL	18 57 33
	F	19.1
Aug. 24		
TUC	iP	20 36 13
	i	36 18
	i	36 21
	iS	36 49
	eL	37 15
	F	20.7

Date and Station		Phase (GCT)
		h m s
Aug. 24		
SJ	e(S)	23 11 11
	eL	11 28
	F	23.3
Aug. 25		
TUC	iP	21 16 49
	i	16 54
	iS	17 17
	i	17 25
	eL	17 33
	F	21.3
Aug. 25, H = 21 27 57 By Pasadena, 33°53' N., 116°53' W. South of Banning, Calif. Mag. 3.4.		
TUC	e	21 29 40
	eL	30 47
	F	21.6
Aug. 26		
SJ	eL	19 00 20
	F	19.9
Aug. 27, H = 02 17 30** Probable epicenter, region of Auckland Island, 350 miles southwest of New Zealand.		
HONO	eL	01 56 38
	F	02.1
SJ	e(PP)	01 40 12
	eL	02 22 12
	F	03.2
SIT	eL	02 16 50
	F	02.6
TUC	eL	02 08 46
	F	02.8
Aug. 27		
TUC	iP	03 34 44
	F	03.6
Aug. 27		
BC	iP	04 46 53
Aug. 27, cont.		
PF	iP	04 46 56
SH	iP	04 46 01
TUC	e	04 46 51
	i	47 25
	F	04.8
Aug. 27, H = 07 34 42* Epicenter in the region 23° N., 143½° E. Bonin Islands region. Depth about 100 km.		
BER	e	08 04 13
	eL	30 44
	F	09.0
BC	iP	07 47 15
	i(pP)	47 34.5
	i(sP)	47 42.0
	eS	57 35
	esS	58 09
BOZ	eP	07 47 08
	epP	47 27
	eS	57 24
	e	08 03 28
	eL	11 12
	F	08.7
COL	e	07 45 03
	ePP	47 14
	epPP	47 34
	eS	52 55
	e(ScS)	54 25
	eSS	57 05
	eL	08 01 26
	F	08.7
GC	iP	07 46 35.5
	ipP	46 53.5
	i	46 58
	esS	56 42
	ePS	57 15
HONO	eP	07 44 06
	eS	51 30
	eL	57 18
	F	08.3
Aug. 27, cont.		
OV	iP	07 47 16.5
	ipP	47 42.5
PF	iP	07 47 18
	i	47 24
	i	47 32
SJ	e	07 54 32
	e	56 43
	e(PKS)	57 20
	eL	08 35 15
	F	08.1
SH	iP	07 46 37.2
	ipP	46 56.3
	isP	47 03.5
	e	50 02
	eS	56 26
	ePS	57 17
SIT	ipP	07 45 43
	e	49 44
	eS	54 14
	esS	54 40
	e	55 16
	eL	08 02 10
	F	08.9
TUC	iP	07 47 37
	ipP	47 58
	isP	48 12
	e	49 04
	e	49 26
	e(SKS)	58 08
	eS	58 26
	e	59 06
	ePS	59 31
	eP'P'	08 13 30
	eL	15 42
	F	08.9
Aug. 27, H = 09 13 05 By Berkeley, 37°23' N., 121°43' W. West-central California. Felt over 13,000 sq. mi. Mag. 5.		
BC	iP	09 14 32.5
	i	14 42.5
	i	14 49.7
	eS	15 45.5
	e	16 04.5

Date and Station		Phase (GCT)
		h m s
Aug. 27, cont.		
BOZ	eL	09 18 35
	F	09.6
GC	e	09 16 30
	eL	18 40
LOG	e	09 16 17
	eS	17 14
	eL	17 46
	F	09.5
OV	iP	09 14 36
	i	14 46
	i	15 18
	i	16 08.5
PF	iP	09 14 41
	i	15 01
	i	15 43
	i	16 21
SLC	e(S)	09 17 31
	eL	17 47
	F	09.5
SH	eP	09 13 55.3
	iP	13 57.3
	i	14 02
	eS	14 39
	e	14 55
TUC	eP	09 15 31
	iP	15 36
	i	16 26
	iS	17 32
	e	17 53
	eL	18 26
	F	09.6
UK	e	09 13 42
	eS	14 04
	i	14 13
	iL	14 23
	F	09.4

Aug. 27, H = 11 25 20
By Pasadena, 33°02' N., 115°53' W. San Jacinto Fault zone, southeast of Bailey Wells, Calif. Mag. 4.0.

Date and Station		Phase (GCT)
		h m s
Aug. 27, cont.		
BC	iP	11 26 14.8
	i	26 16.6
	i	26 24.5
	i	26 49.5
	iS	26 54.5
OV	iP	11 26 27.4
	i	26 35
	i	26 45
	i(S)	27 18.5
PF	eP	11 26 13
	i	26 22
	i	26 39
	i	27 08
TUC	iP	11 26 28
	i	26 40
	i	26 48
	eS	27 20
	i	27 43
	eL	28 32
	F	11.5
Aug. 27		
TUC	iP	20 59 42
	i	59 47
	iS	21 00 10
	i	00 19
	iL	00 28
	F	21.0
Aug. 28		
SIT	eL	11 58 45
	F	12.0

Aug. 28, H = 12 49 52*
Epicenter in the region 14° S., 167° E. New Hebrides Islands. Foreshock.

BC	eP	13 02 48.5
GC	eP	13 02 52.5
HONO	eP	12 58 48
	eS	13 05 50
	e	09 03
	eL	10 25
	F	13.6

Date and Station		Phase (GCT)
		h m s
Aug. 28, cont.		
OV	e(P)	13 02 55
	i	13 06
PF	eP	13 02 51.6
SJ	ePP	13 11 13
	e	12 21
	eL	49 50
	F	14.3
SH	eP	13 02 28.5
	i	02 32
TUC	eP	13 02 58
	ePPP	08 30
	eL	31 07
	F	14.1
UK	eL	13 28 10
	F	13.9

Aug. 28, H = 19 20 22*
Epicenter in the region 33° N., 139° E. Off southeast coast of Honshu, Japan. Foreshock.

BC	iP	19 32 49
PF	iP	19 32 45
SH	eP	19 32 07
	iPP	34 53
TUC	eP	19 33 12
	F	19.7

Aug. 28, H = 19 21 11*
Epicenter in the region 33° N., 139° E. Off southeast coast of Honshu, Japan.

BC	iP	19 33 37
BOZ	e	19 42 30
	ePS	44 17
	eL	20 02 32
	F	21.0

Date and Station		Phase (GCT)
		h m s
Aug. 28, cont.		
COL	eP	19 30 34
	ePP	32 32
	eS	37 52
	e	39 16
	eL	46 54
	F	21.0
GC	eP	19 32 44
HONO	ePPP	19 34 18
	e(S)	39 03
	eL	44 08
	F	20.6
HUAN	eSSS	20 17 09
	eL	29 26
	F	21.2
LOG	e(P)	19 33 50
	e(PP)	36 53
	e(SKS)	44 15
	e	46 01
	eL	56 51
	F	21.0
PF	iP	19 33 39
SJ	e	19 46 39
	eL	20 15 04
	F	21.7
SH	iP	19 32 54.3
SIT	eP	19 31 28
	eS	39 33
	eL	46 34
	F	21.3
TUC	iP	19 34 01
	e	35 46
	ePP	37 29
	ePS	45 50
	e	48 11
	eL	57 20
	F	Lost.
UK	eS	19 42 40
	eL	52 34
	F	20.6
Aug. 28		
BC	iP	20 48 32.5
	i	48 45.5

Date and Station		Phase (GCT)
		h m s
Aug. 28, cont.		
OV	eP	20 48 34
	iP	48 43
PF	iP	20 48 29
	i	48 39
TUC	iP	20 47 47
	eS	55 48
	eL	21 01 06
	F	21.4
Aug. 28, H = 23 43 38** Probable epicenter, Aleutian Islands.		
BC	eP	23 52 09
PF	e	23 52 29
SH	eP	23 51 09
TUC	iP	23 52 47
	e	53 01
	F	23.9
Aug. 29		
TUC	iP	03 08 31
	F	03.2
Aug. 29		
TUC	eP	03 45 40
	F	03.8
Aug. 29, H = 10 22 35* Epicenter in the region 14° S., 167° E. New Hebrides Islands. Mag. 7.2.		
BER	i(P')	10 42 12
	ePP	44 16
	iPKS	45 30
	iPPP	46 26
	ePPS	55 51
	eSS	11 00 44
	eL	19 01
	F	14.2
T_L=21 sec. A = 3.0 mm.		
T_L=20 sec. A = 2.9 mm.		

Date and Station		Phase (GCT)
		h m s
Aug. 29, cont.		
BC	iP	10 35 30.5
	i	35 48.5
	eS	46 36
	e(PS)	47 43
	iPKKP	53 36
BOZ	e(P)	10 36 18
	e	39 16
	ePP	39 48
	e(S)	47 24
	e	47 40
	e(PS)	48 30
	e(SS)	54 00
	e(SSS)	57 32
	eL	11 01 22
	F	13.6
CHI	eP'	10 41 08
	iPP	42 02
	e	46 19
	eSKS	47 58
	iPS	51 14
	eSS	56 44
	eSSS	11 01 58
	e	06 19
	eL	08 25
	F	13.6
COL	eP	10 35 15
	e	35 33
	e	37 11
	eS	45 49
	eSS	51 47
	eSSS	55 04
	eL	57 51
	F	13.9
COLU	ePP	10 42 40
	eSKS	48 22
	ePS	51 57
	eSS	58 15
	eL	11 14 24
	F	13.7
GC	iP	10 35 39
	i	35 52
	i(PP)	39 31
	eSKS	46 17
	ePS	47 37

Date and Station		Phase (GCT)
		h m s
Aug. 29, cont.		
HONO	eP	10 31 28
	i	31 46
	i	33 08
	iPP	33 44
	eS	38 28
	i	38 54
	eSS	42 07
	eL	43 03
	F	13.9
T_P=12 sec. A = 1.8 mm.		
T_{PP}=6 sec. A = 4.2 mm.		
T_S=8 sec. A = 4.9 mm.		
T_L=15 sec. A max.= 22.5 mm.		
T_L=20 sec. A = 14 mm.		
HUAN	ePP	10 42 03
	i	42 28
	i	43 00
	e	44 39
	e(PS)	51 58
	eSS	58 09
	e(SSS)	11 02 45
	eL	08 07
	F	14.6
LOG	eP	10 35 53
	i	36 09
	i(PP)	39 51
	i	40 50
	e	44 30
	eSKS	46 03
	eS	47 13
	e	48 29
	e	50 48
	eL	11 00 32
	F	Lost.
OV	iP	10 35 33
	e	36 05
PF	iP	10 35 33.6
	i	36 37
SLC	eP	10 35 52
	e	41 00
	eS	46 54
	ePPS	48 24
	eL	11 00 49
	F	13.8

Date and Station		Phase (GCT)
		h m s
Aug. 29, cont.		
SJ	eP'	10 41 45
	i(PP)	44 10
	i	45 07
	eSKS	48 57
	e(SS)	11 01 48
	e	06 39
	eL	23 23
	F	Lost.
SEA	eP	10 35 20
	e	44 42
	e	47 44
	eL	58 54
	F	13.0
SH	iP	10 35 11
	ePP	38 41
	e	44 39
	eS	45 39
SIT	eP	10 35 15
	i	35 32
	ePP	38 40
	eS	45 43
	eScS	46 14
	eSS	51 23
	e	56 31
	eL	58 32
	F	14.3
TUC	iP	10 35 41
	i	35 48
	i	36 29
	e	36 53
	e	38 26
	e(PP)	39 32
	e	45 08
	e(SKS)	46 26
	eS	46 43
	e	48 32
	e(SS)	52 52
	e	55 16
	eL	11 03 29
	F	14.4
UK	eP	10 35 04
	e	35 26
	e(PP)	38 38
	eS	45 20
	ePPS	46 48
	eSS	50 50
	eL	57 48
	F	13.6

Date and Station		Phase (GCT)
		h m s
Aug. 29, H = 10 35 50* New Hebrides aftershock.		
LOG	eL	11 32 49
	F	12.5
TUC	iP	10 48 56
	F	10.6
Aug. 29, H = 12 40 33* Epicenter in the region 37° S., 80° E. Amsterdam Island foreshock.		
BC	eP'	13 00 35
	i	01 16
PF	eP'	13 00 33
	i	00 42
SH	e(P')	13 01 19.5
TUC	eP'	13 00 36
	i	01 51
	ePP	05 41
	F	13.2
Aug. 29, H = 13 38 32* Epicenter in the region 4½° S., 78½° W. Northern Peru.		
HUAN	eP	13 40 38
	e	41 20
	eS	42 11
	iL	42 36
	F	13.8
TUC	iP	13 47 09
	i	47 19
	F	13.8
Aug. 29, H = 15 03 02* Epicenter in the region 37° S., 80° E. Near Amsterdam Island, Indian Ocean.		
BER	eL	16 12 19
	F	17.5
BOZ	eL	16 28 19
	F	17.1

Date and Station		Phase (GCT)
		h m s
Aug. 29, cont.		
HONO	eL	16 06 29
	F	16.4
SLC	eL	16 30 04
	F	17.1
SJ	eL	16 49 47
	F	17.4
SIT	eSS	15 45 51
	eL	16 06 24
	F	17.4
TUC	eP'	15 23 03
	i	23 10
	ePP	28 10
	e	33 46
	eSS	49 46
	eL	16 23 28
	F	Lost.
Aug. 29, H = 15 53 17* Amsterdam Island aftershock.		
TUC	eP	16 13 18
	ePP	18 38
	eL	17 22 37
	F	17.8
Aug. 29		
TUC	eP	22 13 46
	i	13 50
	eS	13 56
	i	14 03
	iL	14 13
	F	22.3
Aug. 30		
BC	iP	02 59 36.5
PF	iP	02 59 40.4
	i	03 00 04
SH	iP	02 59 04
Aug. 30		
TUC	eP	07 16 24
	F	07.3

Date and Station		Phase (GCT)
		h m s
Aug. 30		
TUC	eP	08 27 07
	F	08.5
Aug. 30, H = 17 03 00** Probable epicenter, Gulf of California.		
BC	iP	17 05 27.5
	eL	08 02
CHI	eL	17 16 00
	F	17.4
LOG	eL	17 11 20
	F	17.3
OV	iP	17 05 34
	i(S)	07 36
	eL	08 52.6
PF	iP	17 05 25
	i	05 45
	eL	08 43
RC	eL	17 12 49
	F	17.3
TUC	iP	17 04 23
	i	04 29
	e	04 37
	e	04 52
	eS	05 25
	i	05 36
	eL	05 53
	F	17.5
Aug. 30		
TUC	iP	21 21 48
	F	21.4
Aug. 30, H = 23 30 04* Epicenter in the region 19° S., 175½° W. Tonga Island region.		
BER	e(S)	23 58 09
	eSS	06 23
	eL	00 31 34
	F	01.5
BC	eP	23 42 10
	e(S)	52 28

Date and Station		Phase (GCT)
		h m s
Aug. 30, cont.		
BOZ	eS	23 53 26
	e	55 36
	eL	00 06 15
	F	01.0
CHI	eL	00 12 28
	F	01.0
COL	eP	23 42 47
	e	44 49
	eS	53 12
	ePS	54 07
	e	55 25
	eL	00 06 54
	F	01.4
GC	eP	23 42 28.5
HONO	eP	23 38 09
	eS	44 40
	eL	47 34
	F	00.6
LOG	e	23 43 01
	e(S)	53 16
	ePS	53 47
	ePPS	54 08
	eSS	58 19
	eL	00 05 36
	F	01.0
OV	e(P)	23 42 19.4
	e	42 28
PF	iP	23 42 16
	e	42 53
RC	eL	00 13 31
	F	01.4
SLC	eS	23 53 00
	eL	00 05 02
	F	01.0
SJ	ePP	23 49 32
	e(SKS)	55 44
	ePS	59 06
	eL	00 23 19
	F	02.1
SH	eP	23 41 58

Date and Station		Phase (GCT)
		h m s
Aug. 30		
SIT	eP	23 42 29
	ePP	45 38
	eS	52 40
	e	48 48
	eL	00 04 25
	F	01.1
TUC	iP	23 42 16
	i	42 29
	eS	52 20
	e	53 09
	eSS	57 46
	eL	00 03 06
	F	01.2
UK	e(P)	23 42 04
	e(S)	51 36
	eL	00 01 20
	F	01.2
Aug. 31		
SH	i	06 35 17
Aug. 31, H = 09 45 25** Probable epicenter, Samoa Islands region. Felt at Apia.		
BC	iP	09 57 00
GC	iP	09 57 22
	i	58 09
OV	i	09 57 34
PF	iP	09 57 03
SH	iP	09 56 47.5
TUC	iP	09 57 05
	eL	10 20 26
	F	10.4
Aug. 31, H = 11 11 40 By Pasadena, 32°59' N., 116°30' W. Elsinore Fault, east of Cuyamaca Lake, Calif.		
BC	i	11 12 41.3
	e	13 20.3

Date and Station		Phase (GCT)
		h m s
Aug. 31, cont.		
OV	iS	11 13 41
	iL	14 00
PF	i(S)	11 13 33
TUC	e(P)	11 13 11
	e	13 18
	e	13 42
	eS	14 26
	F	11.3
Aug. 31, H = 13 29 40** Probable epicenter, off west coast of Santo Domingo.		
SJ	eP	13 30 09
	iS	30 30
	eL	30 45
	F	13.8
TUC	eP	13 37 23
	F	13.7
Aug. 31, H = 15 48 51* Epicenter in the region 63½° N., 146° W. Central Alaska.		
BC	iP	15 55 24
	i	55 52
COL	iP	15 49 17
	iS	49 41
	eL	49 50
	F	15.9
GC	i(P)	15 53 39
	i(pP)	54 05.5
SH	iP	15 54 22.5
	ipP	54 51.5
SIT	e(P)	15 51 00
	e(S)	52 31
	eL	53 17
	F	16.0
TUC	iP	15 56 05
	epP	56 30
	F	16.0

Date and Station		Phase (GCT)
		h m s
Aug. 31		
BC	eP	18 02 49
GC	eP	18 02 21
	i	02 32
OV	e	18 03 57.5
PF	iP	18 02 53
SH	iP	18 02 16.5
TUC	eP	18 03 08
	F	18.1
Aug. 31		
SH	e	23 38 21
TUC	eP	23 37 38
	e	38 55
	F	23.7
Sept. 1		
TUC	eP	07 15 52
	F	07.3
Sept. 1		
TUC	iP	09 19 40
	F	09.4
Sept. 1		
HUAN	eL	15 22 36
	F	15.5
Sept. 1		
TUC	eP	15 20 36
	e	20 55
	e(L)	21 31
	F	15.4
Sept. 1		
SH	iP	16 41 50.9
	iS	41 59.7
	F	16.7
Sept. 1, H = 22 44 07* Epicenter in the region 47° S., 166° E. Near southern coast of New Zealand. Mag. 7.2.		

Date and Station		Phase (GCT)
		h m s
Sept. 1, cont.		
BER	eP'	23 03 30
	ePP	06 39
	i	07 14
	e(SKS)	11 06
	e	16 41
	ePPS	19 01
	eSS	25 26
	eL	39 54
	F	02.0
T_{PP}=8 sec. A = 1.4 mm.		
T_{SS}=17 sec. A = 1.5 mm.		
T_L=19 sec. A = 3.8 mm.		
BC	e	22 59 46
	ePP	23 03 05
	ePS	12 10
	i	13 55
	eL	33 30
BOZ	ePP	23 04 08
	eSKS	09 54
	iPS	13 56
	eSS	19 30
	eL	30 25
	F	02.2
BUT	e(PP)	23 03 56
	eSKS	09 50
	iPS	14 03
	eSS	20 11
	eL	32 13
	F	01.3
CHI	ePP	23 05 23
	e	06 23
	eSKKS	12 31
	e(PS)	15 26
	e	21 33
	e(SS)	23 43
	e	31 44
	eL	38 41
	F	01.6
COL	ePP	23 04 02
	eSKS	10 00
	ePS	13 54
	eSS	19 52
	eL	34 00
	F	01.9

Date and Station		Phase (GCT)
		h m s
Sept. 1, cont.		
COLU	ePP	23 05 24
	e	06 35
	eSKS	10 32
	e	15 30
	ePPS	17 32
	eSS	22 43
	e	28 35
	eL	42 35
	F	01.6
GC	eP'	23 02 50
	e	03 40
	ePS	13 33
	eL	40 00
HONO	eP	22 55 55
	e(PP)	58 30
	e(S)	23 05 52
	eScS	06 12
	eSSS	13 36
	eL	18 12
	F	00.5
T_P=5.5 sec. A = 1.1 mm.		
T_S=6.5 sec. A = 2.0 mm.		
T_L=16 sec. A = 4.6 mm.		
HUAN	eP	22 58 03
	ePP	23 02 02
	e(SKS)	08 35
	eS	09 45
	iPS	11 13
	eSS	15 45
	eL	25 20
	F	01.8
LOG	eP'	23 02 53
	e	05 36
	e	12 46
	iPS	12 58
	eSS	19 04
	eL	41 16
	F	02.0
OV	eP	22 58 10
	e	23 04 03
PHIL	eP'	23 03 29
	ePP	06 03
	i	16 28
	ePPS	18 03

Date and Station		Phase (GCT)
		h m s
Sept. 1, cont.		
PHIL, cont.		
	eSS	23 24 15
	eSSS	29 08
	eL	48 09
	F	02.4
PF	eP'	23 02 29
	ePP	03 17
RC	ePP	23 04 31
	eSKS	10 09
	(e)	11 43
	ePS	14 33
	ePPS	15 53
	eSS	21 54
	eSSS	26 03
	eL	39 43
	F	01.7
SLC	ePP	23 03 48
	eSKS	09 24
	ePS	13 26
	eSS	19 56
	eL	30 55
	F	02.1
SJ	eP'	23 03 19
	ePP	05 22
	eSKS	10 06
	i	12 30
	ePS	16 31
	i(SS)	23 25
	eSS	32 00
	eL	38 08
	F	02.2
SEA	ePS	23 13 30
	eL	35 20
	F	23.8
SH	eP'	23 02 21
	ePP	03 01
	ePS	12 27
SIT	eP	22 58 57
	ePP	23 03 46
	i(S)	11 04
	iPS	13 32
	iPPS	14 30
	eSS	19 40
	e	22 34
	eL	31 02
	F	02.0

Date and Station		Phase (GCT)
		h m s
Sept. 1, cont.		
TUC	eP	22 58 33
	e	23 01 55
	ePP	03 00
	e	04 58
	eSKS	09 10
	e	10 20
	iPS	12 41
	e	13 44
	PKKP	14 04
	eSS	17 56
	eSSS	21 56
	eL	28 19
	F	01.5
UK	e(PP)	22 58 40
	e	23 02 49
	ePPS	09 20
	e	12 27
	eSSS	18 15
	eL	28 35
	F	01.8
Sept. 2		
BC	iP	03 08 57.5
	e	19 22
PF	iP	03 08 57
	i	09 07
SH	iP	03 09 11
TUC	iP	03 08 48
	e	09 32
	F	03.2
Sept. 2		
SLC	e	03 31 48
	eL	45 58
	F	04.6
Sept. 2		
PF	iP	09 07 49
Sept, 2, H = 11 54 01 Epicenter approximately 34½° N., 28¾° E. Eastern Mediterranean Sea. Depth about 100 km.		

Date and Station		Phase (GCT)
		h m s
Sept. 2, cont.		
BC	iP	12 07 51
	i	10 57
	ePP	11 55
	eSKS	18 28
	e	19 04
	i	23 52
	i	24 16
CHI	eP	12 06 24
	e	06 38
	e(S)	16 38
	esS	17 05
	e	21 41
	eL	35 13
	F	13.4
GC	iP	12 07 04
	iPP	10 51
	iSKS	17 38
	eS	17 59
OV	eP	12 07 50
	i	08 25
	iPP	11 26
	i	12 26
PHIL	iP	12 05 55
	eS	15 39
	F	12.8
PF	iP	12 07 49
	iPP	11 59
RC	iP	12 07 01
	i	07 17
	e	09 47
	eS	17 23
	e	18 53
	F	12.3
SJ	eP	12 06 24
	e(S)	16 38
	e	17 17
	eSSS	25 08
	eL	29 24
	F	12.9
SH	iP	12 07 43.5

Date and Station		Phase (GCT)
		h m s
Sept. 2, cont.		
TUC	iP	12 07 57
	iPP	12 10
	ipPP	12 30
	eS	19 15
	ePS	21 12
	i	24 10
	eP'P'	32 08
	eL	45 31
	F	13.2
Sept. 2		
SJ	eL	13 55 36
	F	14.0
Sept. 2		
BC	eP	17 56 39
Sept. 3, H = 03 04 00** Probable epicenter, Northern Chile. Felt.		
TUC	iP	03 15 26
	F	03.8
Sept. 3, H = 12 59 20* Epicenter in the region 1° S., 20° W. Mid-Atlantic Ocean.		
BER	eS	13 16 27
	e	19 24
	eL	21 10
	F	13.7
HUAN	eL	13 22 01
	F	13.7
SJ	e	13 08 30
	eS	15 10
	eL	19 12
	F	14.0
Sept. 3, H = 16 25 35** Probable epicenter, Northern Chile. Felt. Depth about 60 km.		
SH	iP	16 38 01.5

Date and Station		Phase (GCT)
		h m s
Sept. 3, cont.		
TUC	iP	16 36 52
	ipP	37 08
	i	37 14
	F	16.9
Sept. 3		
COL	eL	18 09 55
	F	18.8
Sept. 3, H = 19 30 36* Epicenter in the region 33° S., 71½° W. Near west-central coast of Chile. Felt. Depth about 60 km.		
BC	iP	19 42 43
HUAN	e	19 35 40
	e	36 26
	eS	39 16
	eL	40 58
	F	19.7
OV	iP	19 42 46.4
PF	iP	19 42 43
SH	iP	19 43 19
TUC	iP	19 42 17
	i	42 36
	i	43 34
	F	19.8
Sept. 3, H = 02 57 25** Probable epicenter, Northern Chile. Felt.		
BC	iP	03 09 07
OV	eP	03 09 06
PF	eP	03 09 01.5
TUC	eP	03 08 33
	e	09 27
	F	03.2
Sept. 4, H = 07 32 40** Probable epicenter, New Hebrides region.		

Date and Station		Phase (GCT)
		h m s
Sept. 4, cont.		
BC	iP	07 45 43
OV	eP	07 45 49
PF	iP	07 45 47
TUC	'P	07 45 52
	F	07.8
Sept. 4, H = 11 13 56 By Pasadena, 37°20' N., 118°07' W. Near Tinemaha, Calif. Mag. 4.2.		
BC	iP	11 14 52.2
	i	14 57.5
	i	14 58.7
	eS	15 27.3
	i	15 37.8
	i	15 43.8
OV	iP	11 14 52.2
	i	14 57.5
	i	14 58.7
	eS	15 27.3
	i	15 37.8
	i	15 43.8
PF	iP	11 14 59
	i	15 08
	i	15 48
SH	eP	11 15 18
	i	15 26.3
	eS	16 19
	e	16 29
TUC	e	11 16 00
	i	16 33
	eL	17 35
	F	11.3
Sept. 4		
BH	eP	12 11 35
	e	12 29
	F	12 16
PF	iP	12 18 02.6
TUC	iP	12 17 30
	F	12.4

Date and Station		Phase (GCT)
		h m s
Sept. 4, H = 17 13 56** Probable epicenter, near southern coast of New Zealand.		
BER	eL	18 26 28
	F	19.5
CHI	eL	18 18 28
	F	19.1
HUAN	eL	18 01 39
	F	18.5
SJ	eL	18 24 55
	F	19.1
SIT	eL	18 12 06
	F	18.8
TUC	e	17 44 05
	eL	18 05 03
	F	19.2
Sept. 4		
TUC	iP	21 51 23
	i	51 27
	i(S)	51 40
	e(L)	51 47
	F	21.9
Sept. 5		
TUC	eP	03 15 35
	F	03.8
Sept. 12		
TUC	e	12 34 40
	e	34 56
	F	12.6
Sept. 5		
BER	e(P)	15 44 04
	e	47 39
	i	50 01
	e	52 47
	e	54 59
	F	16.1
BC	iP	15 49 51.5
SJ	e	15 45 18
	e	48 52
	eL	54 36
	F	16.5

Date and Station		Phase (GCT)
		h m s
Sept. 5, cont.		
TUC	eP	15 49 36
	e	49 47
	i	50 28
	eL	16 09 22
	F	16.2
Sept. 5		
TUC	iP	18 12 57
	iS	13 21
	iS	13 25
	eL	13 52
	F	18.2
Sept. 5		
TUC	iP	19 54 25
	e(S)	54 40
	i	54 43
	eL	54 48
	F	19.9
Sept. 5, H = 21 48 40* Epicenter in the region 5° S., 152° E. New Britain. Mag. 7.1.		
BER	eP'	22 08 07
	ePP	11 07
	i	19 29
	e	20 49
	eSS	28 02
	eL	43 21
	F	00.5
T_{SS}=13 sec. A = 0.4 mm. T_L=21 sec. A = 10.9 mm.		
BC	iP	22 02 06
	i	02 20.5
	iPP	05 55
	iSKS	12 47
	eS	13 13
BOZ	eP	22 02 20
	eSKS	13 00
	eL	28 10
	F	00.0
BUT	iSKS	22 12 56
	e	18 16
	eL	28 22
	F	23.9

Date and Station		Phase (GCT)
		h m s
Sept. 5, cont.		
CHI	e	22 05 21
	eSKS	14 15
	eS	16 21
	eSS	23 36
	eL	37 06
	F	00.2
COL	eP	22 01 03
	eS	11 13
	eSS	16 35
	eL	22 33
	F	23.8
COLU	eSKS	22 14 57
	e	20 45
	eL	39 00
	F	00.0
GC	eP	22 01 55
	iSKS	12 28
	eS	12 44
	eL	32 40
HONO	eP	21 58 15
	eS	22 06 11
	eScS	08 11
	eL	11 40
	F	23.6
T_P=2.4 sec. A = 0.7 mm. T_S=8 sec. A = 1.6 mm. T_L=15 sec. A = 7.2 mm.		
HUAN	e(P')	22 08 09
	ePP	10 20
	e	11 19
	i	11 33
	ePPP	12 24
	eSKS	15 13
	ePS	20 26
	eSS	27 29
	e	35 46
	eL	41 51
	F	00.3
OV	e	22 02 11
PHIL	ePP	22 09 28
	eSKS	14 43
	ePS	19 28
	eSS	26 21
	eSSS	31 02
	eL	37 48
	F	00.8

Date and Station		Phase (GCT)
		h m s
Sept. 5, cont.		
PF	iP	22 02 10
	iPP	05 59
	iSKS	12 52
RC	ePP	22 07 11
	iSKS	13 27
	e	16 48
	e(SS)	21 42
	eL	37 13
	F	23.8
SLC	eSKS	22 13 12
	ePS	14 50
	e	19 12
	iL	28 15
	F	00.1
SJ	iP'	22 08 11
	i	08 24
	e(PP)	11 39
	e	13 51
	e	17 15
	ePS	22 29
	eSS	28 49
	e	34 45
	eL	47 34
	F	00.8
SEA	e	22 12 25
	e(SKS)	13 16
	eS	14 00
	eL	28 42
	F	23.5
SH	iP	22 01 40
	i	01 47
	ePP	05 08
	iS	12 11
SIT	iP	22 01 16
	i	02 19
	ePP	04 33
	ePPP	06 36
	(e)	08 48
	iS	11 43
	ePS	12 40
	e	13 50
	e	17 42
	eSSS	20 56
	eL	23 55
	F	00.9

Date and Station		Phase (GCT)
		h m s
Sept. 5, cont.		
TUC	iP	22 02 23
	ePP	06 15
	ePPP	08 30
	e	11 55
	iSKS	13 06
	eS	13 45
	eSS	20 41
	eL	29 14
	F	01.2
UK	e	22 01 38
	ePP	05 00
	e(SKS)	12 08
	iS	12 29
	e	13 30
	e	18 28
	eL	23 40
	F	00.2
Sept. 5		
TUC	iP	22 26 48
	i	27 20
	eL	27 38
	F	22.5
Sept. 6, H = 01 26 19* Aftershock of New Britain quake.		
BER	e	01 49 20
	e	02 06 21
	eL	30 09
	F	03.8
BC	iP	01 39 45.0
	i	40 23
	iPP	43 33.5
	eSKS	50 24
	eS	50 42
BOZ	iSKS	01 50 42
	i	51 00
	eL	02 11 25
	F	02.7
CHI	ePS	01 55 46
	eSS	02 02 11
	eL	16 00
	F	03.3

Date and Station		Phase (GCT)
		h m s
Sept. 6, cont.		
COL	eS	01 48 57
	eL	02 00 35
	F	02.5
COLU	eL	02 19 15
	F	03.0
GC	eP	01 39 34
HONO	e	01 43 46
	eL	51 14
	F	02.1
HUAN	e	01 43 59
	ePS	58 49
	eSS	02 05 29
	eL	20 24
	F	03.4
OV	iP	01 39 53
	i	40 10
PHIL	eSKS	01 52 27
	ePS	57 03
	eSS	02 04 13
	e	15 17
	eL	26 15
	F	03.8
PF	iP	01 39 49
	i	40 44
RC	eSKS	01 51 07
	eL	02 16 40
	F	02.7
SLC	eSKS	01 50 39
	eL	02 07 32
	F	02.9
SJ	eP	01 45 54
	e	49 24
	e	50 25
	ePPS	02 01 24
	eL	24 27
	F	03.6
SEA	eL	02 10 36
	F	02.5
SH	eP	01 39 16
	iSKS	49 50
	eS	50 00

Date and Station		Phase (GCT)
		h m s
Sept. 6, cont.		
SIT	iP	01 38 55
	iS	49 20
	i	49 38
	e	50 31
	eL	02 01 33
	F	03.0
TUC	eP	01 40 01
	ePP	44 07
	eL	02 11 13
	F	04.0
UK	e	01 51 08
	eL	02 02 48
	F	02.9
Sept. 6		
SIT	eL	03 46 17
	F	04.3
Sept. 6		
BC	eP	11 41 54
	i	47 28
PF	iP	11 41 57.7
Sept. 6, H = 14 49 25* Aftershock of New Britain quake.		
BER	e	15 12 00
	e	30 13
	eL	54 08
	F	17.0
CHI	ePP	15 08 24
	e(SKS)	15 12
	ePS	18 42
	eSS	24 33
	eL	35 44
	F	16.7
COL	e(S)	15 11 51
	eL	23 41
	F	15.8
HONO	e	15 01 26
	eS	06 50
	eL	14 54
	F	15.4

Date and Station		Phase (GCT)
		h m s
Sept. 6, cont.		
HUAN	e	15 11 39
	e	12 05
	eSS	27 39
	eL	43 34
	F	16.8
PHIL	e	15 10 09
	eSKS	15 30
	ePS	20 04
	eSS	27 05
	eL	39 00
	F	17.0
RC	eSKS	15 14 24
	eL	38 42
	F	16.0
SJ	e	15 08 57
	e	09 40
	e	12 33
	eSKS	15 36
	e	21 16
	e	22 39
	e(SS)	30 52
	eL	55 16
	F	17.5
TUC	e	15 03 06
	ePP	06 10
	e	10 49
	ePS	16 39
	eL	30 56
	F	17.3
UK	eL	15 30 05
	F	16.0
Sept. 7		
SJ	eL	01 28 27
	F	01.6
Sept. 7		
BC	iP	02 49 17.5
	ipP	49.46.5
OV	iP	02 49 17
PF	iP	02 49 20
	ipP	49 51

Date and Station		Phase (GCT)
		h m s
Sept. 7, cont.		
SH	iP	02 48 16
TUC	iP	02 49 54
	epP	50 28
	F	02.9
Sept. 7, H = 06 09 40** Probable epicenter, New Guinea region.		
BC	iP	06 15 18.5
OV	iP	06 15 10
PF	iP	06 15 22
Sept. 7		
BC	iP	06 23 42.5
	e	27 24
	e	28 30
OV	iP	06 23 45
PF	iP	06 23 45
SH	e	06 22 54
TUC	eL	06 54 56
	F	07.5
Sept. 7		
BC	iP	11 02 32
PF	iP	11 02 31
TUC	iP	11 01 35
	e	02 42
	F	11.1
Sept. 7		
BC	eP	11 25 32.5
	e	25 45.5
	e	26 39
Sept. 7		
HONO	eL	13 25 50
	F	13.6
TUC	eL	13 47 47
	F	14.2

Date and Station		Phase (GCT)
		h m s
Sept. 7, H = 14 45 16. By Pasadena, 31°26' N., 115°24' W. Sierra Juarez, Lower California. Mag. 4.4.		
BC	iP	14 46 26.9
	e	46 45.2
	eS	47 49
PF	iP	14 46 22
TUC	iP	14 46 16
	i	46 31
	i(S)	47 18
	i	47 24
	eL	48 30
	F	14.9
Sept. 7, H = 15 34 24 By Pasadena, 33°58' N., 116°48' W. San Andreas Fault, north of Cabazon, Calif. Felt. Mag. 4.3.		
BC	iP	15 35 04.7
	i	35 11.2
	i	35 15.4
	i	35 22.2
	iS	35 40.2
	i	35 44
OV	iP	15 35 24
	e	36 03
TUC	eP	15 35 47
	i	36 09
	eS	36 58
	i	37 19
	eL	38 13
	F	15.7
Sept. 7, H = 15 48 23* Epicenter in the region 46° N., 26½° E. Roumania. Depth about 100 km.		
BER	eS	16 08 17
	eL	26 18
	F	17.2

Date and Station		Phase (GCT)
		h m s
Sept. 7, cont.		
BC	iP	16 01 23.5
	ipP	01 49
	ePP	05 26
GC	eP	16 00 36
SJ	e	16 00 44
	eS	10 11
	F	16.4
TUC	iP	16 01 31
	ipP	01 58
	ePP	05 10
	eL	33 49
	F	16.8
Sept. 7		
TUC	e	18 37 48
	i	37 51
	i(S)	38 15
	e(L)	39 04
	F	18.7
Sept. 7		
TUC	iP	21 35 39
	i(S)	36 03
	F	21.6
Sept. 7		
TUC	iP	21 46 55
	iS	47 12
	e(L)	47 24
	F	21.8
Sept. 8		
BER	eL	00 42 46
	F	01.7
Sept. 8		
BUT	e(S)	04 26 58
	e	27 42
	e	32 57
	eL	42 50
	F	05.9
HUAN	eL	04 22 39
	F	04.9

Date and Station		Phase (GCT)
		h m s
Sept. 8, cont.		
PHIL	e	03 52 42
	e	55 28
	e	04 08 56
	eL	14 13
	F	05.8
SJ	e	03 56 03
	e	58 08
	e	04 07 54
	e	12 12
	eL	37 30
	F	05.5
SIT	eL	04 32 34
	F	04.9
TUC	eL	04 29 36
	F	05.2
Sept. 8		
TUC	iP	21 51 45
	iS	52 02
	eL	52 18
	F	21.9
Sept. 9, H = 01 09 25** Probable epicenter, near southern coast of Mexico.		
BC	eP	01 14 18
	eL	21 35
TUC	eP	01 13 34
	e	14 11
	eL	18 57
	F	01.5
Sept. 9, H = 04 02 54 Epicenter in the region 17° S., 168° E. New Hebrides Islands.		
BER	ePP	04 24 28
	e	25 33
	e(SS)	42 01
	eL	05 09 24
	F	07.0
BC	eP	04 15 47
	ePP	19 30
	eS	26 23

Date and Station		Phase (GCT)
		h m s
Sept. 9, cont.		
BOZ	iS	04 27 10
	e	28 10
	ePS	29 15
	eL	48 26
	F	05.9
CHI	ePP	04 22 19
	eS	30 03
	ePS	31 50
	eSS	37 39
	eSSS	42 05
	eL	48 00
	F	06.8
COL	eP	04 15 27
	eS	26 19
	e	27 47
	e	30 37
	eL	40 03
	F	05.8
COLU	ePS	04 22 46
	e	32 28
	eSS	39 04
	eL	57 17
	F	06.2
GC	eP	04 16 13
	eSKS	26 30
HONO	e	04 14 28
	eS	19 21
	eL	23 40
	F	05.8
HUAN	e	04 25 38
	eSKS	28 00
	ePS	31 26
	eSS	37 06
	eL	48 50
	F	06.3
LOG	e	04 19 06
	ePP	19 37
	eSKS	26 33
	eL	45 02
	F	06.3

Date and Station		Phase (GCT)
		h m s
Sept. 9, cont.		
PHIL	ePP	04 23 27
	e	27 33
	e	30 09
	ePS	33 09
	eSS	40 33
	eSSS	44 41
	eL	05 02 22
	F	07.0
PF	iP	04 15 59
RC	ePP	04 21 08
	eSKS	27 30
	ePS	30 06
	eL	42 08
	F	05.7
SLC	ePP	04 20 01
	e	20 43
	eSKS	26 55
	e	27 30
	ePS	28 53
	e	31 46
	eL	42 38
	F	05.9
SJ	eP'	04 22 07
	ePP	24 11
	e	25 27
	eSKS	29 48
	e	39 23
	eL	05 01 00
	F	06.7
SEA	eL	04 26 07
	F	05.4
SH	eP	04 15 38
	eS	26 06
SIT	eP	04 15 52
	iP	15 54
	e	18 42
	ePPP	21 07
	iS	26 16
	e	26 49
	e	27 44
	eL	40 11
	F	06.7

Date and Station		Phase (GCT)
		h m s
Sept. 9, cont.		
TUC	eP	04 16 05
	e	18 24
	e(PP)	20 34
	ePPP	21 51
	eSKS	26 34
	ePS	28 24
	e	29 12
	eSS	33 34
	eL	42 36
	F	07.2
UK	eP	04 15 40
	ePP	19 06
	eS	26 06
	e	31 02
	eL	42 15
	F	05.7
Sept. 9, H = 09 03 55 Probable epicenter, Samoa Islands region.		
PF	iP	09 15 38
TUC	iP	09 15 34
	F	09.3
Sept. 9, H = 12 56 20* Epicenter in the region 14½° S., 76° W. Near coast of Peru. Felt strongest at Ica and Pisco.		
BH	eS	13 01 28
	F	13 08
BC	eP	13 06 40
	epP	07 00
	e	09 44
HUAN	iP	12 57 04
	i	57 11
	i	57 17
	iS	57 26
	F	13.2
OV	eP	13 06 43
	epP	07 14
PF	iP	13 06 38

Date and Station		Phase (GCT)
		h m s
Sept. 9, cont.		
SJ	eP	13 03 15
	e	03 17
	e	04 44
	e	05 12
	eS	08 17
	e(S)	10 41
	eL	14 05
	F	13.5
TUC	iP	13 06 06
	ipP	06 29
	iPcP	07 26
	F	13.2
Sept. 9		
GC	iP	13 59 02
	iS	59 12.5
Sept. 10		
BC	iP	08 12 26.5
	i	13 28
OV	iP	08 12 18.3
	i	12 37.3
PF	iP	08 12 30
	i	12 43
TUC	eP	08 12 41
	F	08.2
Sept. 10		
TUC	e	12 52 37
	e	53 13
	i	53 22
	i(L)	53 53
	F	13.0
Sept. 10, H = 13 58 30** Probable epicenter, New Hebrides Islands region.		
BC	iP	14 11 36
OV	iP	14 11 38
PF	iP	14 11 38
	i	11 40
TUC	iP	14 11 43
	e	12 22
	F	14.2

Date and Station		Phase (GCT)
		h m s
Sept. 10		
TUC	iP	18 04 04
	iS	04 24
	eL	04 40
	F	18.1
Sept. 10		
TUC	iP	21 15 20
	iS	15 35
	eL	15 52
	F	21.3
Sept. 10		
GC	eP	22 58 22.5
	i	58 36.5
	i	59 25
	iS	59 41.5
Sept. 11, H = 02 01 08 By Pasadena, 36°32' N., 117°10' W. Northern Panamint Range, Calif. Mag. 3.4.		
TUC	e	02 03 13
	eL	04 36
	F	02.1
Sept. 11		
SH	iP	10 43 04
	i	43 22
Sept. 11		
BH	e	14 16 07
	F	14 20
Sept. 11		
BC	eP	18 11 03
HUAN	eL	18 55 00
	F	19.2
PF	iP	18 11 03
TUC	eL	18 46 53
	F	19.2
Sept. 11, H = 19 11 17* Epicenter in the region 24½° S., 179° W. Tonga Islands region. Depth about 550 km.		
Sept. 11, cont.		
BC	iP	19 23 07
	epP	25 00
	iPP	26 32
	iS	32 44
	i	32 59
	eSP	33 17
GC	eP	19 23 25
	eS	33 04
OV	iP	19 23 10
	ipP	25 06
	i	26 09
PF	iP	19 23 10
	ipP	25 05
SJ	eS	19 35 17
	e	40 12
	F	19.7
SH	iP	19 22 56.7
	i	23 16
	ipP	24 52
	iS	32 28
	i	32 39
	eSP	33 25
TUC	iP	19 23 11
	e	24 14
	ipP	25 07
	iS	32 48
	e	33 09
	F	19.6
Sept. 11		
GC	i	21 47.9
Sept. 12, H = 00 51 20** Probable epicenter, Equatorial Africa. Felt strongly in Yukaduma, Cameroons.		
BC	eP	01 08 55
	e	20 22
HUAN	eL	01 39 37
	F	02.0
PF	iP	01 08 59
	i	09 10
Sept. 12, cont.		
SJ	eP	01 03 46
	eS	13 52
	eL	30 20
	F	01.3
TUC	eL	01 59 16
	F	02.2
Sept. 12		
BC	eP	15 51 30
PF	iP	15 51 28.8
	i	51 49.8
TUC	iP	15 50 37
	e	51 10
	eS	54 08
	eL	55 49
	F	16.1
Sept. 12		
TUC	iP	15 55 06
	iS	55 27
	i	55 28
	i	55 33
	e(L)	55 55
	F	16.3
Sept. 12, H = 19 52 55** Probable epicenter, New Hebrides Islands region.		
BC	iP	20 05 44
	e	06 04
GC	iP	20 05 45
PF	iP	20 05 47
	i	05 58.8
SH	eP	20 05 22
Sept. 12		
BH	e	19 57 04
	i	57 30
	F	20 00
Sept. 12		
TUC	eP	20 05 55
	e	06 23
	e	06 33
	eL	34 16
	F	20.7

Date and Station		Phase (GCT)
		h m s
Sept. 12		
BC	eP	21 28 33
	e	32 22
PF	eP	21 28 36.7
	e	28 52
Sept. 13		
HUAN	e	01 48 07
	e	48 19
	eL	48 54
	F	01.9
Sept. 13		
SH	iP	07 23 50.5
	i	24 25.5
Sept. 13		
BC	eP	09 12 12
OV	eP	09 12 12
	e	12 18
PF	iP	09 12 13
	e	12 45
TUC	eP	09 11 50
	F	09.2
Sept. 13, H = 11 17 08 Epicenter approximately 34.2° S., 70.8° W. About 60 miles south of Santiago, Chile. Depth about 100 km. Four killed, 35 injured, severest property damage in Curico, Talca, Rancagua, and Rengo. Mag. 7.1.		
BH	i	11 25 06
	F	11 40
BER	eP	11 28 06
	epP	28 26
	e(PP)	30 21
	ePPP	32 06
	iS	36 49
	isS	37 21
	eSS	41 06
	e	44 11
	iL	45 01
	F	08.5

Date and Station		Phase (GCT)
		h m s
Sept. 13, cont.		
BER, cont.		
T_P=3.5 sec. A = 0.4 mm.		
T_{PP}=6 sec. A = 0.7 mm.		
T_S=11 sec. A = 2.7 mm.		
T_L= 25 sec. A = 0.8 mm.		
BC	eP	11 29 17
	i	29 40
	eS	39 16
	eL	55 50
BOZ	eP	11 30 08
	epP	30 33
	ePP	33 27
	eS	40 02
	iS	40 06
	e	40 55
	eL	53 28
	F	12.5
BUT	eP	11 29 55
	i	30 18
	ePP	33 06
	iS	40 11
	isS	40 30
	e	45 11
	eL	58 12
	F	15.7
CHI	eP	11 28 54
	ipP	29 17
	ePP	32 10
	e	33 36
	eS	38 25
	iS	38 32
	i	38 55
	isS	39 00
	i	39 30
	e	43 13
	eL	48 05
	F	12.5
COL	e	11 36 37
	eSKS	42 19
	e	43 01
	ePS	46 17
	e	52 04
	eL	12 05 02
	F	12.7

Date and Station		Phase (GCT)
		h m s
Sept. 13, cont.		
COLU	eP	11 28 02
	ipP	28 25
	ePP	30 31
	ePPP	32 15
	eS	36 50
	esS	37 25
	e	37 53
	e	41 15
	eL	45 00
	F	12.6
GC	eP	11 30 11.5
	ipP	30 35.5
	ePP	34 08
	iS	34 33
	e	41 03
HUAN	iP	11 22 04
	e	22 27
	i	22 51
	eS	26 01
	eL	26 37
	F	12.2
LOG	eP	11 29 00
	ipP	29 26
	iPP	32 03
	eS	39 06
	isS	39 41
	eSS	44 47
	eL	57 42
	F	12.5
OV	iP	11 29 20
	ipP	29 43
	iS	39 22
PHIL	iP	11 28 35
	epP	29 00
	ePP	31 21
	iS	37 57
	isS	38 35
	eScS	39 08
	eSS	42 37
	eL	47 35
	F	12.8
PF	iP	11 29 16
	ipP	29 40
	iS	39 15

Date and Station		Phase (GCT)
		h m s
Sept. 13, cont.		
RC	iP	11 29 30
	ipP	29 52
	i	31 16
	ePP	32 40
	ipPP	33 07
	e	37 18
	iS	39 40
	esS	40 17
	eSS	43 36
	e	44 45
	eSSS	48 43
	eL	51 28
	F	12.6
SLC	eP	11 29 30
	epP	30 05
	ePP	32 53
	e	37 03
	eS	39 39
	esS	40 10
	eSS	45 18
	eL	52 21
	F	12.5
SJ	iP	11 26 12
	i	27 48
	iPP	28 11
	iPPP	29 18
	iS	33 21
	i	33 54
	iSS	37 10
	iL	38 47
	F	12.2
SH	iP	11 29 52
	ipP	30 16
	iPP	33 50
	ipPP	34 43
	iSKS	40 11
	iS	40 28
	ePS	40 50
	ePKKP	47 02
SIT	ePP	11 35 54
	e	37 05
	e	38 32
	iSKS	41 44
	i	42 26
	iPS	44 48
	eL	12 01 10
	F	13.0

Date and Station		Phase (GCT)
		h m s
Sept. 13, cont.		
TUC	iP	11 28 49
	ipP	29 13
	e	31 35
	i	32 10
	iS	38 25
	isS	38 55
	e	43 26
	e	49 26
	eL	49 48
	eP'F'	56 11
	eP'F'F'	12 16 09
	F	13.0
UK	eP	11 30 14
	ePP	33 16
	iS	40 06
	i	40 24
	eSSS	50 10
	eL	53 54
	F	13.0
Sept. 13		
TUC	iP	21 17 14
	i	17 31
	e(L)	17 52
	F	21.3
Sept. 13		
BC	iP	23 47 42
PF	iP	23 47 45
Sept. 14, H = 02 02 24* Epicenter in the region 7½° N., 38° W. Mid-Atlantic Ocean.		
BER	eP	02 09 16
	e	10 21
	eS	14 22
	eL	16 59
	F	04.0
BC	eP	02 14 07
	iP	14 12
BOZ	e	02 14 31
	e	17 51
	iS	24 09
	eSS	27 49
	eSSS	31 53
	eL	34 51
	F	03.3

Date and Station		Phase (GCT)
		h m s
Sept. 14, cont.		
BUT	e(S)	02 23 43
	eSS	27 58
	eL	36 26
	F	03.1
CHI	eP	02 12 06
	eS	19 48
	e	24 07
	eL	26 12
	F	03.5
COL	eS	02 26 11
	ePS	27 19
	eL	39 35
	F	03.5
COLU	eP	02 11 05
	iS	18 00
	e	18 42
	eL	21 35
	F	03.3
GC	eP	02 14 27
HUAN	eP	02 10 11
	ePP	11 56
	iPPP	12 27
	eS	16 22
	eSS	19 12
	eL	20 45
	F	03.4
LOG	eP	02 13 23
	e	16 04
	eS	22 44
	e	26 43
	eSSS	31 22
	eL	34 19
	F	03.3
OV	eP	02 14 11
	iP	14 20
PHIL	eP	02 10 52
	e	11 51
	iS	17 37
	eScS	20 53
	eL	21 52
	F	03.4
PF	eP	02 14 02
	i	14 17

Date and Station		Phase (GCT)
		h m s
Sept. 14, cont.		
RC	eP	02 13 22
	ePP	16 07
	eS	22 12
	eSS	26 16
	eL	31 35
	F	03.0
SLC	eP	02 14 19
	eS	23 22
	eSS	28 12
	eL	32 57
	F	03.2
SJ	i	02 08 41
	iS	13 12
	eL	14 35
	F	03.5
SEA	eL	02 40 59
	F	03.0
SIT	iS	02 25 48
	e	26 44
	eSS	31 42
	eL	38 44
	F	03.7
TUC	eP	02 13 46
	i	13 54
	ePP	16 26
	eS	23 05
	eSS	27 57
	eL	36 05
	F	03.6
Sept. 14		
GC	eP	02 14 39
Sept. 14		
GC	eP	04 05 40
	e	05 50.5
	e	05 14
	e	05 16
Sept. 14		
SJ	e	08 02 25
	iL	02 53
	F	08.1
Sept. 14		
SIT	eL	22 17 50
	F	22.8

Date and Station		Phase (GCT)
		h m s
Sept. 14, cont.		
TUC	iP	22 15 59
	i	16 12
	i	16 24
	i(S)	16 30
	eL	16 55
	F	22.3
Sept. 15		
TUC	eP	14 06 05
	e	06 18
	e	06 44
	F	14.1
Sept. 15		
TUC	iP	15 07 17
	e	07 22
	F	15.1
Sept. 15		
TUC	eP	16 06 26
	i	06 35
	F	16.1
Sept. 15		
TUC	iP	20 02 18
	i	02 23
	i(S)	02 39
	i	02 41
	e(L)	03 05
	F	20.1
Sept. 15		
TUC	iP	21 53 26
	iS	53 40
	i	53 42
	e(L)	53 58
	F	21.9
Sept. 16		
BC	eP	01 50 31
	e	50 40
OV	eP	01 50 15
	e	50 49
PF	e	01 50 27.7
TUC	e	01 47 09
	e	47 14
	i	47 25
	iS	48 20
	i	48 29
	i	48 32
	iL	49 00
	F	01.9

Date and Station		Phase (GCT)
		h m s
Sept. 16		
SH	i	03 53 00
Sept. 16		
TUC	iP	04 06 47
	e(S)	07 30
	eL	08 10
	F	04.2
Sept. 16		
TUC	iP	04 58 44
	F	05.0
Sept. 16		
SH	e	23 06 17
	i	06 27.3
Sept. 17, H = 00 47 30** Probable epicenter, off west coast of Mexico.		
BC	eP	00 52 49
	eS	59 33
BOZ	iL	01 03 33
	F	01.2
BUT	eL	01 05 13
	F	01.2
HUAN	eL	01 05 00
	F	01.2
LOG	eL	01 01 00
	F	01.2
OV	eP	00 52 53
PF	iP	00 52 44
	i	52 58
RC	eL	01 01 59
	F	01.1
SLC	eL	01 01 21
	F	01.2
SJ	eS	00 59 30
	eL	01 04 20
	F	01.4
SIT	eL	01 13 50
	F	01.5

Date and Station		Phase (GCT)
		h m s
Sept. 17, cont.		
TUC	eP	00 51 53
	i	52 13
	i	52 23
	e	52 43
	eS	55 18
	eL	56 29
	F	01.8
Sept. 17		
TUC	iP	19 31 44
	i	31 48
	iS	32 05
	i	32 07
	F	19.6
Sept. 17		
TUC	iP	21 27 04
	eS	27 20
	i	27 21
	i	27 25
	iL	27 32
Sept. 18, H = 03 08 30** Probable epicenter, Aleutian Islands region.		
BER	eL	03 52 55
	F	04.1
BC	eP	03 16 57
COL	e(S)	03 17 03
	eL	19 22
	F	03.6
GC	e	03 15 41
OV	e	03 16 59
PF	eP	03 17 01
SJ	e	03 31 43
	e	47 37
	eL	56 44
	F	04.3
SH	iP	03 15 56.3
SIT	eL	03 23 38
	F	04.5

Date and Station		Phase (GCT)
		h m s
Sept. 18, cont.		
TUC	iP	03 17 35
	ipP	17 58
	eL	41 12
	F	03.5
Sept. 18		
TUC	eP	10 59 55
	i	11 00 09
	F	11.1
Sept. 18, H = 11 09 20** Probable epicenter, region of Japan.		
TUC	eP	11 21 35
	e	21 46
	eL	50 10
	F	12.0
Sept. 18		
SH	iP	16 51 46
	iS	51 50.8
Sept. 18		
TUC	iP	20 44 04
	i	44 07
	i	44 25
	iS	44 27
	eL	44 43
	F	20.8
Sept. 18		
TUC	iP	21 16 31
	i	16 32
	iS	16 44
	i	16 46
	eL	17 19
	F	21.4
Sept. 18, H = 22 38 15** Probable epicenter, Central Nevada. Felt at Beowawe.		
BC	iP	22 39 38.8
	i	39 54.3
	e	40 33
	iS	40 51
GC	i	22 42 15.5
	i	42 26

Date and Station		Phase (GCT)
		h m s
Sept. 18, cont.		
OV	iP	22 39 39
	i	39 47
	i	40 39
	iS	41 05
PF	iP	22 39 41
	i	39 56
	i(S)	40 54
SLC	eL	22 40 33
	F	22.7
SH	iP	22 39 21
	e	40 14
TUC	e	22 41 12
	e	41 22
	eS	42 26
	e	42 58
	eL	43 07
	F	22.8
Sept. 19		
TUC	e	11 46 39
	i	46 51
	i	46 55
	i(S)	47 26
	i	47 37
	eL	48 06
	F	11.9
Sept. 19		
TUC	eP	11 56 27
	i	56 34
	i	56 56
	i(S)	57 19
	i	57 32
	i(L)	57 49
	F	12.0
Sept. 19, H = 12 28 02* Epicenter in the region 43° N., 144° E. Off southeast coast of Hokkaido, Japan. Depth about 100 km.		
BC	iP	12 39 30.5
	i	39 48
	eS	48 58
	e	49 38

Date and Station		Phase (GCT)
		h m s
Sept. 19, cont.		
BOZ	eP	12 39 31
	eS	48 09
	eL	13 01 46
	F	13.4
COL	iP	12 36 00
	e	36 19
	e	36 29
	eS	42 17
	e	46 02
	eL	47 42
	F	13.3
GC	eP	12 38 26
	iP	38 28.7
	i	38 44
	e	41 35
	e(S)	48 14
HONO	eL	12 44 40
	F	13.0
HUAN	e	12 47 04
	e	51 11
	ePS	13 01 07
	eSS	07 33
	e	17 25
	eL	21 05
	F	14.2
OV	iP	12 39 31
	i	39 46
PF	iP	12 39 33
	i	39 43
RC	iP	12 39 37
	e	42 20
	iS	49 30
	eL	13 09 13
	F	13.9
SJ	ePP	12 47 30
	eS	55 17
	eSS	13 02 36
	e	08 07
	eL	19 47
	F	13.9
SH	iP	12 37 44
	eS	46 13
	i	46 31

Date and Station		Phase (GCT)
		h m s
Sept. 19, cont.		
TUC	iP	12 39 59
	ipP	40 21
	i	40 31
	i	40 45
	iPP	43 38
	ePPP	45 02
	e	45 28
	e	50 15
	eL	13 04 46
	F	13.7
UK	eL	12 47 25
	F	13.2
Sept. 19		
BER	eL	13 16 53
	F	13.8
Sept. 19		
SIT	i	13 36 56
	i	38 56
	e	43 53
	eL	56 31
	F	14.3
Sept. 19		
OV	eP	17 16 09
PF	e	17 14 35
TUC	eP	17 13 55
	iP	14 01
	i	14 23
	i	14 41
	i(L)	14 58
	i	15 42
	F	17.4
Sept. 19, H = 18 39 20** Probable epicenter, off west coast of Central America.		
BC	iP	18 45 33.5
PF	iP	18 45 30
TUC	eP	18 44 50
	e	45 30
	F	18.9

Date and Station		Phase (GCT)
		h m s
Sept. 19		
TUC	iP	20 25 46
	iS	26 02
	eL	26 12
	F	20.5
Sept. 20		
BC	iP	02 04 33
	i	04 57
OV	iP	02 04 29.5
	i	04 48.5
PF	iP	02 04 26.5
SH	eP	02 03 58
Sept. 20		
BC	eP	04 51 16
OV	eP	04 51 17.4
PF	eP	04 51 19
Sept. 20		
TUC	iP	20 14 27
	i	14 28
	i	14 52
	iS	14 55
	eL	15 10
	F	20.3
Sept. 22, H = 03 20 25** Probable epicenter, off east coast of Kamchatka.		
TUC	iP	03 31 04
	F	03.5
Sept. 22		
SJ	e	08 59 40
	eL	59 57
	F	09.1
Sept. 22, H = 09 05 40 By Pasadena, 33°33' N., 116°50' W. Northwest of Anza, Calif. Mag. 3.8.		
BC	iP	09 06 27.2
	i	06 34.7
	i	06 58.7
	eS	07 10.7

Date and Station		Phase (GCT)
		h m s
Sept. 22, cont.		
TUC	e	09 06 57
	e	07 22
	eL	08 07
	F	09.2
Sept. 22, H = 09 09 54* Epicenter in the region 3½° S., 148° E. Off northeast coast of New Guinea.		
BER	e	09 33 00
	e	35 18
	e	39 13
	eS	46 03
	eSS	50 23
	eL	10 15 39
	F	11.1
BOZ	ePS	09 36 25
	e	43 00
	eL	49 55
	F	10.7
BUT	eS	09 34 27
	e	40 50
	eL	50 20
	F	10.6
CHI	eS	09 37 38
	eL	59 24
	F	10.8
COL	eS	09 32 26
	e	33 22
	e	37 18
	eL	43 51
	F	10.5
COLU	eL	09 48 11
	F	10.8
GC	eP	09 23 26
	e	28 00
	eSKS	33 49
	eS	34 24
HONO	eP	09 19 57
	e	23 10
	iS	28 03
	eSS	10 01 58
	eL	04 27
	F	10.7

Date and Station		Phase (GCT)
		h m s
Sept. 22, cont.		
HUAN	eP'	09 29 24
	e	32 53
	e	33 32
	ePPP	34 20
	e	38 14
	eSS	49 51
	eL	10 05 00
	F	11.4
LINC	eL	10 03 14
	F	10.6
LOG	e	09 27 16
	eSS	36 02
	eL	40 25
	F	10.9
PHIL	e	09 32 31
	e(SKS)	36 46
	ePS	40 58
	eSS	47 43
	eSSS	52 48
	eL	10 02 04
	F	11.7
RC	e(PS)	09 28 30
	e	35 41
	eSSS	37 44
	eL	43 35
	F	10.6
SJ	eP'	09 29 34
	ePP	33 20
	e	36 43
	ePPS	45 36
	eSS	51 26
	eSSS	56 07
	eL	10 09 24
	F	11.5
SEA	eL	09 33 10
	F	09.8
SH	eP	09 23 03
SIT	eP	09 22 35
	iS	33 04
	iScS	33 25
	e	37 50
	eL	45 13
	F	12.1

Date and Station		Phase (GCT)
		h m s
Sept. 22, cont.		
TUC	eP	09 23 42
	iPP	27 56
	eSKS	34 38
	e	35 32
	ePS	36 44
	ePPS	37 44
	eSS	42 38
	eL	52 31
	F	11.0
UK	eSKS	09 33 33
	eSS	40 15
	eL	47 43
	F	10.6
Sept. 22		
TUC	iP	17 04 15
	i	04 18
	i(S)	04 34
	i	04 42
	eL	04 57
	F	17.1
Sept. 22		
TUC	iP	18 22 32
	i	22 33
	iS	22 48
	i	22 50
	iL	23 02
	F	18.4
Sept. 22		
TUC	iP	23 38 13
	F	23.7
Sept. 23		
GC	eP	02 37 58.6
	i	38 03.4
	e	38 19
	iS	38 26
Felt in Walla Walla, Wash.		
Sept. 23		
BER	e(S)	08 26 11
	eL	34 36
	F	08.8
HUAN	eL	08 22 00
	F	08.7
PHIL	eL	08 35 24
	F	08.9

Date and Station		Phase (GCT)
		h m s
Sept. 23, cont.		
TUC	eP	08 29 23
	e	29 42
	F	08.5
Sept. 23		
TUC	eP	08 16 21
	e	16 29
	e	16 51
	eL	25 16
	F	08.8
Sept. 23, H = 09 57 47 Epicenter in the region 48° N., 114¼° W. Western Montana. Slight damage reported. Felt over an area of 36,000 square miles.		
BC	iP	10 00 41
	e	03 19
	eS	04 00
BOZ	i	09 58 41
	iL	59 18
	F	10.0
BUT	iP	09 58 28
	iS	58 43
	iL	58 52
	F	10.1
CHI	eL	10 07 25
	F	10.2
GC	eP	09 58 36.6
	iP	58 39.0
	i	58 47.0
	i	58 49.2
	i	58 53.3
	iS	59 28
	i	59 32
LINC	eL	10(05 34)
	F	10.1
LOG	e	09 59 15
	eS	10 00 34
	eL	01 04
	F	10.2

Date and Station		Phase (GCT)
		h m s
Sept. 23, cont.		
OV	iP	10 00 39
	e(S)	03 15
	i	03 36
	i	03 49
PHIL	eL	10 11 46
	F	10.3
PF	iP	10 00 45
	iS	03 55
RC	eP	09 59 52
	i	10 00 21
	eS	01 40
	eL	01 59
	F	10.1
SLC	e	10 00 18
	e(S)	00 50
	eL	01 29
	F	10.2
SEA	eL	10 00 46
	F	10.3
SH	iP	10 00 06.1
	eS	02 38
TUC	eP	10 01 33
	i	01 37
	i	01 46
	i	03 07
	iS	04 44
	eL	05 51
	F	10.7
Sept. 23		
SH	iP	13 46 46
Sept. 23, H = 15 34 19* Epicenter in the region 39½° N., 118½° E. Gulf of Chiha, Yellow Sea.		
BC	iP	15 47 24
GC	eP	15 46 25
	e	47 07
OV	iP	15 47 22.7
PF	iP	15 47 24.6

Date and Station		Phase (GCT)
		h m s
Sept. 23, cont.		
TUC	eP	15 47 44
	F	15.8
Sept. 23		
COL	e	15 51 57
	eL	16 01 24
	F	16.5
TUC	iP	15 54 24
Sept. 23		
BER	eL	16 25 58
	F	17.1
BOZ	eL	16 13 25
	F	16.9
BUT	eL	16 16 28
	F	16.6
COLU	eL	16 30 30
	F	17.0
HUAN	eL	16 40 59
	F	17.6
LOG	eL	16 19 17
	F	16.8
PHIL	eL	16 25 00
	F	16.8
SJ	eL	16 31 25
	F	17.3
SIT	eL	16 09 58
	F	16.7
SLC	eL	16 22 27
	F	16.5
RC	eL	16 19 28
	F	16.6
Sept. 23, H = 17 20 45* Epicenter in the region 18½° N., 105° W. Near west coast of Mexico.		
BER	eL	17 36 36
	F	18.1

Date and Station		Phase (GCT)
		h m s
Sept. 23, cont.		
BC	iP	17 25 14
	i	25 55
	eS	28 51
	iL	31 11
BUT	eL	17 36 03
	F	17.7
CHI	eL	17 34 31
	F	17.7
COLU	e	17 31 31
	eL	37 00
	F	17.8
GC	iP	17 27 07
HUAN	eL	17 39 44
	F	17.9
LINC	eS	17 31 10
	eL	33 35
	F	17.8
LOG	eP	17 25 26
	e	26 14
	e	29 37
	eL	30 55
	F	17.8
OV	iP	17 25 18.2
	i	25 30
	i	25 45
	i	31 44
PHIL	eL	17 37 50
	F	17.9
PF	iP	17 25 11.5
	i	25 23.0
	iS	31 27.5
RC	(eP)	17 26 19
	eS	30 16
	eL	34 03
	F	17.8
SLC	eP	17 25 48
	e	27 17
	eS	29 59
	eL	32 18
	F	17.7

Date and Station		Phase (GCT)
		h m s
Sept. 23, cont.		
SJ	e	17 36 42
	eL	38 23
	F	18.2
SH	iP	17 26 24
TUC	iP	17 24 13
	i	24 19
	i	24 24
	i	24 42
	i	24 58
	eS	27 23
	iS	27 26
	eL	28 03
	F	18.3
UK	eL	17 33 42
	F	17.8
Sept. 23		
HUAN	eL	21 18 04
	F	21.4
TUC	iP	20 55 40
	i	55 50
	i(S)	56 20
	i(L)	56 55
	F	21.0
Sept. 24		
TUC	iP	04 19 13
	i	19 31
	i	19 22
	i	19 31
	iS	19 36
	iL	19 44
	F	04.4
Sept. 24		
TUC	iP	09 54 41
	i	54 43
	iS	55 04
	i	55 06
	eL	55 17
	F	09.9
Sept. 24, H = 12 35 10** Probable epicenter, Solomon Islands region. Depth about 100 km.		

Date and Station		Phase (GCT)
		h m s
Sept. 24, cont.		
BC	iP	12 48 18
	i	48 44.5
	i	49 14
	iPP	52 24
COL	eS	12 57 32
	eL	13 13 26
	F	13.4
OV	eP	12 48 27.5
	i	48 56
	iPP	52 45
PF	iP	12 48 21
	i	48 46
	i	49 19
	iPP	52 11
SJ	eS	12 57 54
	e	13 06 22
	eL	41 15
	F	14.0
TUC	eP	12 48 35
	epP	48 57
	i	52 27
	i	52 55
	ePS	13 01 15
	eL	18 24
	F	14.0
Sept. 24		
SJ	i	16 34 28
	i	34 40
	eL	35 10
	F	16.6
Sept. 24		
SJ	e	17 08 00
	eL	08 34
	F	17.2
Sept. 24		
TUC	iP	18 05 25
	F	18.1
Sept. 24		
TUC	eP	19 54 08
	F	19.9

Date and Station		Phase (GCT)
		h m s
Sept. 24		
TUC	iP	21 39 19
	i	39 20
	iS	39 35
	i	39 36
	iL	39 44
	F	21.7
Sept. 25		
HUAN	eL	15 12 20
	F	15.4
SJ	eL	15 02 22
	F	15.4
Sept. 25		
TUC	eP	18 48 51
	F	18.8
Sept. 25		
SH	e	19 31 13
Sept. 25		
TUC	iP	19 39 07
	i	39 08
	iS	39 23
	i	39 25
	eL	39 37
	F	19.7
Sept. 25, H = 20 46 20** Probable epicenter, off northern coast of Chile. Depth about 100 km.		
SJ	eP	20 22 04
	iS	22 20
	eL	23 02
	F	20.5
TUC	eP	20 56 49
	F	21.0
Sept. 25		
GC	e	22 48 20
	i	48 29
TUC	eP	22 50 22
	F	22.9
Sept. 26		
SJ	e	00 37 04
	eL	37 50
	F	00.7

Date and Station		Phase (GCT)
		h m s
Sept. 26, H = 03 36 50* Epicenter in the region 53° N., 170° W. Aleutians Islands.		
BC	eP	03 44 45
	e	44 53
COL	e	03 40 46
	eL	44 51
	F	04.1
GC	eP	03 43 28
OV	eP	03 44 56
	e	45 34
PF	iP	03 44 49
SH	eP	03 43 39.5
SIT	e(P)	03 41 25
	i	44 32
	iL	47 50
	F	04.6
TUC	iP	03 45 26
	e	46 10
	iPP	47 08
	i	47 27
	eL	04 02 13
	F	04.3
Sept. 26		
TUC	iP	08 40 36
	e	40 47
	eL	46 11
	F	08.8
Sept. 26, H = 08 35 40** Probable epicenter, off southern coast of Mexico.		
TUC	iP	08 40 36
	eL	46 11
	F	09.0
Sept. 26, H = 08 59 40** Probable epicenter, off northeast coast of Puerto Rico.		

Date and Station		Phase (GCT)
		h m s
Sept. 26, cont.		
SJ	iP	09 00 05
	iS	00 24
	eL	00 50
	F	09.3
TUC	eP	09 07 39
	F	09.7
Sept. 26, H = 14 27 00* Epicenter in the region 19° N., 65° W. Off northeast coast of Puerto Rico.		
BH	e	14 31 08
	F	14 36
BC	iP	14 35 42
	i	36 19
	e	38 03
BOZ	eL	14 49 52
	F	15.5
BUT	eL	14 51 37
	F	15.2
CHI	e	14 35 13
	e	38 18
	eL	41 04
	F	15.4
COLU	e	14 31 36
	e(S)	35 24
	eL	37 04
	F	15.3
GC	eP	14 36 09
	iP	36 11.5
HUAN	e	14 33 50
	eL	39 46
	F	15.0
LINC	eL	14 40 47
	F	15.1
OV	iP	14 35 32
PF	iP	14 35 26.6
	i	35 38
	e	35 59

Date and Station		Phase (GCT)
		h m s
Sept. 26, cont.		
RC	iP	14 34 42
	i	35 14
	i	36 14
	eS	41 25
	eL	47 46
	F	15.4
SLC	eL	14 49 11
	F	15.2
SJ	iP	14 27 29
	i(S)	27 40
	iL	27 51
	F	16.2
SEA	eL	14 55 53
	F	15.1
SH	eP	14 36 18
TUC	iP	14 35 02
	i	35 41
	e	36 55
	eL	48 12
	F	14.9
Sept. 26		
SJ	e	15 45 28
	i	45 37
	e	45 50
	eL	46 17
	F	Lost.
Sept. 26		
BH	e	18 58 47
	F	19 03
Sept. 26		
TUC	iP	19 36 20
	i	36 21
	iS	36 36
	i	36 38
	eL	36 51
	F	19.6
Sept. 26		
TUC	iP	21 42 40
	i	42 41
	i	42 45
	iS	43 07
	i	43 22
	eL	43 37
	F	21.8

Date and Station		Phase (GCT)
		h m s
Sept. 27		
TUC	iP	07 27 40
	F	07.5
Sept. 27		
TUC	iP	19 53 30
	i	53 31
	i	53 37
	iS	53 46
	i(L)	53 54
	F	19.9
Sept. 27		
TUC	iP	20 00 10
	i	00 13
	iS	00 32
	i(L)	00 45
	F	20.0
Sept. 27, H = 23 09 00* Epicenter in the region 15° S., 173° W. Samoa Islands. Felt in Apia.		
BC	eP	23 20 43
GC	iP	23 20 50
	e	21 07
HONC	e(S)	23 22 31
	eL	25 13
	F	23.7
PHIL	e	23 33 56
	e	42 40
	eL	57 19
	F	00.7
PF	iP	23 20 48
SJ	e	23 34 15
	eL	37 40
	F	00.4
SH	eP	23 20 31.5
SIT	eL	23 42 08
	F	00.2

Date and Station		Phase (GCT)
		h m s
Sept. 27, cont.		
TUC	iP	23 20 49
	ePP	23 37
	eS	30 32
	eL	43 45
	F	23.5
Sept. 28		
TUC	iP	05 40 19
	e	40 56
	e	41 39
	e	42 32
	F	05.8
Sept. 28		
SH	eP	09 20 26
	i	20 36
	eS	21 09
Sept. 28		
TUC	eP	15 11 26
	iP	11 32
	i(S)	12 08
	i	12 18
	iL	12 31
	F	15.3
Sept. 28		
TUC	iP	20 33 10
	iS	33 24
	i	33 27
	iL	33 38
	F	20.6
Sept. 28		
GC	eP	20 33 11.5
SH	iP	20 32 05
	e	32 46
TUC	iP	20 34 58
	i	35 09
	i	35 17
	F	20.7
Sept. 28		
SH	iP	20 41 26
	i	41 52
	e	42 09

Date and Station		Phase (GCT)
		h m s
Sept. 28, H = 22 24 05 Epicenter approximately 41.7° N., 126.9° W. Off northern coast of California. Mag. 6.		
BC	eP	22 26 44
	i	26 47.5
	e	27 40
	eS	28 29
	e	29 07
BOZ	iP	22 26 54
	e	27 09
	e	27 44
	iS	29 14
	i	29 44
	eL	30 19
	F	00.0
BUT	eP	22 27 38
	ePP	28 17
	eS	29 41
	eL	30 22
	F	23.5
CHI	eP	22 30 09
	iP	30 14
	iPP	31 06
	eS	35 00
	e	37 45
	eL	38 36
	F	23.4
COL	eP	22 29 43
	eS	34 19
	eL	35 40
	F	00.0
COLU	e(S)	22 31 11
	eL	37 05
	F	23.7
GC	iP	22 26 07.2
	e	27 33
	e	28 06
	iL	28 49
HONO	e	22 31 52
	eS	36 12
	eL	37 50
	F	00.0

Date and Station		Phase (GCT)
		h m s
Sept. 28, cont.		
HUAN	eL	22 45 00
	F	23.4
LINC	iP	22 29 03
	i	29 33
	iS	33 16
	i	34 11
	eL	36 26
	F	00.0
LOG	eP	22 26 10
	i	27 41
	e	28 21
	i	28 32
	iL	28 52
	F	00.2
OV	eP	22 26 25.5
	iP	26 32.5
	i	26 50.5
PHIL	iP	22 31 31
	e	33 02
	eS	37 26
	iS	37 31
	e	38 28
	eL	40 03
	F	00.7
PF	iP	22 26 54
	i	27 09.5
	eL	30 40
RC	iP	22 28 09
	i	29 07
	e(S)	31 28
	e	31 41
	eL	33 26
	F	23.5
SLC	eP	22 26 48
	e	27 04
	eS	28 17
	e	28 31
	eL	29 03
	F	00.4
SJ	eP	22 33 48
	e	36 06
	ePPP	37 20
	eS	41 33
	eSS	44 55
	eL	51 48
	F	00.2

Date and Station		Phase (GCT)
		h m s
Sept. 28, cont.		
SEA	eL	22 25 28
	F	23.7
SH	iP	22 24 57.8
	i	24 59.3
	i	25 13.6
	iS	25 40
SIT	iP	22 27 57
	iS	31 13
	iL	32 1[illegible]
	F	00.4
TUC	iP	22 27 52
	i	28 07
	i	28 22
	i	28 43
	i	29 24
	eS	30 56
	eL	31 44
	F	01.1
UK	eP	22 25 04
	i	25 28
	iS	25 46
	eL	26 14
	F	01.2
Sept. 28		
BC	iP	23 50 21.5
	i	51 15.5
GC	iP	23 49 15.5
OV	iP	23 50 15
	i	50 34.5
PF	iP	23 50 23
	i	50 47
SH	iP	23 49 32
TUC	iP	23 50 51
	F	23.9
Sept. 29		
TUC	iP	03 01 44
	i	01 51
	F	03.1

Date and Station		Phase (GCT)
		h m s
Sept. 29, H = 04 27 46* Epicenter in the region 6° S., 77° W. North-central Peru.		
HUAN	eP	04 29 23
	i	29 34
	e	29 52
	eS	30 30
	i	30 47
	eL	31 07
	F	04.9
SJ	e	04 37 57
	e(S)	38 12
	e	40 34
	eL	43 38
	F	05.0
TUC	iP	04 36 40
	i	37 18
	F	04.7
Sept. 29, H = 04 44 20** Probable epicenter, Samoa Islands region.		
BC	iP	04 55 56
GC	iP	04 56 20
PF	iP	04 56 00
SH	eP	04 55 47.5
TUC	iP	04 56 02
	i	56 12
	i	56 28
	i	57 14
	eL	05 19 00
	F	05.8
Sept. 29		
SJ	eP	06 06 22
	eL	06 36
	F	06.2
Sept. 29		
BUT	eL	09 48 22
	F	10.1

Date and Station		Phase (GCT)
		h m s
Sept. 29		
HONO	eL	14 50 35
	F	15.0
Sept. 29		
TUC	iP	20 31 21
	i	31 23
	i	31 31
	iS	31 36
	i	31 40
	eL	31 52
	F	20.6
Sept. 30		
TUC	eP	11 06 37
	F	11.1
Sept. 30		
TUC	iP	18 27 58
	i	27 59
	i	28 22
	i	28 23
	eL	28 36
	F	18.5
Sept. 30		
TUC	eP	22 13 34
	F	22.2

Local and Minor Quakes

day	hour
BUT	
Sept.	
10	23.1
COL	
Aug.	
2	10.4
17	11.5
GC	
Sept.	
17	06.8
	12.2
HONO	
July	
13	12.8
HUAN	
July	
3	21.1
4	01.8
18	05.8
28	01.4
Aug.	
7	07.7
	10.0
	17.5
	19.4
12	10.7
16	01.5
26	10.6
Sept.	
1	14.0
9	09.5
20	13.9
	14.1
21	11.3
22	09.1
LOG	
Aug.	
27	07.8
	07.9
MONT	
July	
31	05.0
Aug.	
10	23.0
25	10.3

day	hour
PHIL	
Sept.	
23	07.5
RC	
Sept.	
23	07.5
SJ	
July	
22	03.1
25	16.8
30	16.8
Sept.	
10	16.3
13	11.5
16	03.8
	06.3
18	18.5
SH	
Sept.	
8	10.3
	10.5
14	05.2
17	13.9
19	18.3
24	00.8
SIT	
Aug.	
5	21.9
	22.0
TUC	
July	
1	00.6
	01.0
	07.2
	16.7
	19.8
2	08.4
	09.5
	11.7
	13.1
	19.1
	22.2
3	02.2
	04.3
	07.0
	09.2
	16.7
	20.2

day	hour
TUC, cont.	
July	
4	02.8
	11.3
	19.2
5	02.3
	10.6
	17.8
	18.0
6	04.8
7	21.7
	22.0
8	19.9
9	20.3
10	13.0
	13.5
	14.2
	14.7
	18.0
	21.9
	22.2
12	00.7
	19.7
	21.2
13	20.9
	21.3
	22.3
	22.5
	23.0
14	02.2
	03.6
	12.5
	19.4
	20.0
	23.7
15	01.7
	19.6
	22.7
16	04.9
	19.5
	23.6
17	06.9
	17.9
18	00.1
	04.6
19	14.4
	14.6
	21.3
20	19.5
21	04.3
	17.1
	18.1
	20.5
	21.5

day	hour
TUC, cont.	
July	
21	22.1
22	10.6
	16.4
	16.5
	17.2
	23.7
23	10.2
	11.9
	12.4
	12.7
	13.2
25	06.4
	16.5
	21.6
26	14.1
27	21.4
28	00.2
29	00.6
30	05.8
	21.2
31	03.1
	18.1
	21.2
	22.3
Aug.	
1	09.2
	10.2
	10.2
	19.7
	21.3
2	20.0
3	20.4
	21.1
4	20.6
	20.7
	21.4
	21.7
	22.1
7	20.8
	21.7
8	12.9
	17.8
	20.4
9	19.2
	22.1
10	16.6
11	16.8
	19.5
	20.4
	22.0
13	19.0

day	hour
TUC, cont.	
Aug.	
13	19.5
	19.7
14	18.5
	20.1
	21.6
15	17.0
16	18.2
	21.3
18	11.4
20	22.3
21	19.0
	19.6
22	13.3
	13.4
	13.6
	19.4
23	17.9
	18.1
	21.8
24	11.0
	15.3
	15.5
	18.1
	20.1
	21.7
26	04.1
	07.0
	18.0
27	12.0
	18.1
28	11.2
	16.0
	16.5
	18.1
	21.2
30	15.4
	20.5
	21.4
31	20.8
	21.6
Sept.	
1	18.1
	19.0
	19.6
	20.8
	21.8
	22.0
2	01.0
	01.2
	03.3
	03.8

day	hour
TUC, cont.	
Sept.	
2	17.2
	17.9
	19.5
	20.5
	22.4
	22.7
	23.1
3	05.2
	16.1
	19.6
	20.9
4	18.7
	18.9
	19.3
5	13.6
	22.0
7	16.7
	17.8
	22.0
	23.7
8	05.8
	18.4
	18.9
	20.3
	22.5
9	00.7
	00.7
	00.8
	01.0
	01.1
	01.1
	01.5
	21.9
10	15.6
	19.2
	19.7
	23.0
	23.5
11	02.1
12	16.6
	18.4
	20.3
	21.5
13	03.8
	07.1
	18.1
	19.3
	19.9
	23.8
14	18.1
	20.7
15	01.6

Local and Minor Quakes, cont.

day	hour
TUC, cont.	
Sept.	
15	06.6
16	01.2
	07.8
17	16.0
	16.1
18	17.1
	18.3
	22.3
19	12.1
	18.1
20	12.8
	13.8
	16.0
	21.9
	23.2
21	02.0
	07.9
	19.2
	19.9
	20.8
	21.5
	23.2
22	01.8
	02.1
	06.5
	07.0
	09.1
	23.0
23	04.3
	07.5
	20.7
	21.0
	22.0
	23.3
24	01.5
	05.4
	05.5
	05.8
	07.7
	12.3
	18.4
	18.5
	19.6
	20.5
	20.8
	22.0
25	11.1
	18.4
	19.2
	19.7
	20.3

day	hour
TUC, cont.	
Sept.	
25	20.5
	22.2
26	04.0
	17.6
	18.1
	19.7
	19.7
	21.4
	23.7
27	06.2
	17.4
	17.7
	18.3
	18.4
	18.5
	18.9
	20.5
	22.0
28	01.2
	18.4
	23.8
29	17.9