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Department of Commerce

Charles Sawyer, Secretary

U. S. Coast and Geodetic Survey

L. O. Colbert, Director

SEISMOLOGICAL BULLETIN

January, February, March, 1945

MSI - 121

ISSUED BY THE U.S. COAST AND GEODETIC SURVEY

Washington 25, D. C.

National Oceanic and Atmospheric Administration

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DEPARTMENT OF COMMERCE

Charles Sawyer, Secretary

U. S. COAST AND GEODETIC SURVEY

L. O. 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

JANUARY, FEBRUARY, MARCH, 1945

MSI-121

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Local and minor quakes 52

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A-3725-4 (54) 4

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, National Park Service
*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 United States Weather Bureau
*College, Alaska. (COL)
University of Alaska
*Columbia, S. C. (COLU)
University of South Carolina
*Grand Coulee, Wash. (GC)
Bureau of Reclamation, National Park Service
*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, National Park Service
**Philadelphia, Pa. (PHIL)
The Franklin Institute
*Pierce Ferry, Nev. (PF)
Bureau of Reclamation, National Park Service
*Rapid City, S. D. (RC)
South Dakota State School of Mines
*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, National Park Service
Sitka, Alaska. (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitude 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.

An asterisk (*) following an origin time indicates probable error of one-tenth minute. In the case of the Pasadena epicenters the time is given in one-tenth minute.

All magnitudes are determined by Pasadena unless otherwise stated.

Station	Position	Instruments*	Foundation and elevation
Balboa Heights, Panama Canal Zone G. E. Matthew, In Chg.	Log cos. 9.99467 Lat. 8°57'33"N. Long. 79°33'29"W.	W-A, NS and EW. Mass 1.3g. (1945)	Basalt. Elevation 36m.
Bermuda, Meteorological Station and IUGG. W. A. Macky, In Chg.	Log cos. 9.92661 Lat. 32°22.8' N. Long. 64°41.0' W.	M-S, NE and NW. Mass 1 lb. (1940)	Calcareous eolionite over vulcanic rock. Elevation 41m.
Bozeman, Montana State College. A. J. M. Johnson, In Chg. A. J. Hill, Seis. Tender.	Log cos. 9.88437 Lat. 45°40'01"N. Long. 111°02'43"W.	McC-R, NS and EW. Mass 10kg. (1939)	Alluvium, glacial drift, and lake deposits 500' thick over gneiss and shist. Elevation 1490m.
Boulder City, Bureau of Reclamation and USC&GS.	Log cos. 9.90806 Lat. 35°58'51"N. Long. 114°50'02"W.	Ben., film, Z, N, and E. Mass 100 lb. (1947)	Fractured monzonite. Elevation 776m.
Burlington, University of Vermont. E. C. Jacobs, In Chg.	Log cos. 9.85339 Lat. 44°28.8' N. Long. 73°11.8' W.	M-S, NE and NW. Mass 1 lb. (1937)	Glacial hardpan. Elevation 100m.
Butte, Montana School of Mines and USC&GS. S. W. Nile, In Chg.	Log cos. 9.84167 Lat. 46°00.8' N. Long. 112°33.8' W.	W-A, NS. Mass 2g. (1939)	Rhyolite 30m. thick, resting on granite. Elevation 1758m.
Chicago, University of Chicago, Weather Bureau, and USC&GS. O. T. Lay, in Chg; W. Schmidt, Seis. Tender.	Log cos. 9.87251 Lat. 41°47.3' N. Long. 87°36.0' W.	McC-R, NS and EW. Mass 2.5kg. (1939)	Limestone Elevation 180m.
College, University of Alaska and USC&GS.	Log cos. 9.62819 Lat. 64°51.8' N. Long. 147°49.1' W.	McC-R, NS and EW. Mass 10kg. (1939)	Granitic schist. Elevation 159m.
Columbia, University of South Carolina and USC&GS. S. Taber, In Chg; C. Mercer, Seis. Tender.	Log cos. 9.91857 Lat. 34°00' N. Long. 81°02' W.	McC-R, NS and EW. Mass 10kg. (1939)	Consolidated sand 150' thick, over granite. Elevation 94m.
Grand Coulee, Bureau of Reclamation and USC&GS. W. P. Greenwood, In Chg.	Log cos. 9.82600 Lat. 47°56'29"N. Long. 118°58'48"W.	Ben., film, Z, N, and E. Mass 100 lb. (1947)	Granite Elevation 461.7m.
Honolulu, University of Hawaii and USC&GS Wm. Patterson, In Chg.	Log cos. 9.96927 Lat. 21°18.1' N. Long. 157°49.3' W.	M-S, NS and EW. Mass 1 lb. (1945)	Alluvium on basalt. Elevation 25m.

	Period T_o	T_g	T_s	V	⊢	Time: Scales and reference points	Ground Motion trace "up"
NS	1.0			1370	20:1	60mm/min.	N
EW	1.0			1370	20:1		E
NE	12.4			250	15:1	8mm/min. Approximately middle	NE
NW	13.0			250	15:1	of time break, end after 12-20-45.	NW
NS	10.9			270	14:1	15mm/min. Beginning of time	N
EW	10.9			270	6:1	break.	E
				5000	Near		
Z	1.4	.45		5000	critical	15mm/min. Beginning of time	Up
N	1.4	.45		5000	critical	break.	N
E	1.4	.45		5000	critical		E
NE	12			250	20:1	8mm/min. End of time break.	SW
NW	12			250	20:1		NW
NS	7.0			540	18:1	15mm/min. Beginning of time break.	S
NS	10			335	15:1	15mm/min. End of time break.	N
EW	10			335	15:1		W
NS	12			140	10:1	15mm/min. End of time break.	S
EW	12			140	10:1		W
NS	12			75	10:1	15mm/min. Beginning of time	S
EW	12			75	10:1	break.	E
Z	1.5	.45		8000	Near	15mm/min. Beginning of time	Up
N	1.5	.45		8000	critical	break.	N
E	1.5	.45		8000			E
NS	12			150	20:1	30mm/min. Middle of time break.	N
EW	12			150	20:1	Beginning after 5-18-44.	E

Station	Position	Instruments*	Foundation and elevation
Huancayo, Carnegie Institution of Washington. P. G. Ledig, In Chg.	Log cos. 9.99033 Lag. 12°02.8' S. Long. 75°20.4' W.	Wen., NS and EW. Mass 500g. Ben., Z. Mass 100kg(1945)	Partially consolidated conglomerate. Elevation 3350m.
Lincoln, Nebraska Wesleyan University E. C. Jensen, In Chg.	Log cos. 9.87886 Lat. 40°50.3' N. Long. 96°39.2' W.	McC-R, EW. Mass 2.5kg. (1939)	Dakota sandstone. Elevation 366m.
Logan, Utah State Agricultural College J. S. Williams, In Chg. W. C. Hugie, Seis. Tender	Log cos. 9.87283 Lat. 41°44.5' N. Long. 111°48.8' W.	W-A, NS and EW. (dbl. refl.) Mass 2g. (1943)	Bonneville lake beds. Elevation 1455m.
Montezuma, Solar Observatory of Smithsonian Institution F. A. Greeley, In Chg.	Log cos. 9.96525 Lat. 33°38' S. Long. 68°50' W.	B-O, NS and EW. Mass 25kg. (1945)	Sandstone. Elevation 2850m.
New Kensington, private station. F. Keller, Sr., owner and operator.	Log cos. 9.88066 Lat. 40°33'35"N. Long. 79°45'15"W.	Wen., with electronic recording (1943)	Shale. Elevation 251m.
Overton, Bureau of Reclamation and USC&GS. D. S. Carder, In Chg.	Log cos. 9.90500 Lat. 36°31'53"N. Long. 114°26'35"W.	Ben., film, Z, N, and E. Mass 100 lb. (1947)	Terrace gravel overlying fine playa silt with gypsum cement. Elevation 395m.
Pierce Ferry, Bureau of Reclamation and USC&GS. D. S. Carder, In Chg.	Log cos. 9.90729 Lat. 36°07'14"N. Long. 114°00'16"W.	Ben., film, Z, N, and E. Mass 100 lb. (1947)	Terrace gravel overlying fine playa silt with gypsum cement. Elevation 4.7m.
Philadelphia, The Franklin Institute. Roy K. Marshall, In Chg; J. M. Levitt, Seis. Tender.	Log cos. 9.88452 Lat. 39°57'32"N. Long. 75°10'30"W.	Wen., NS and EW. Mass 500g. (1939)	Cape May sand and gravel. Elevation 5m.
Rapid City, South Dakota State School of Mines. E. L. Tullis, In Chg.	Log cos. 9.85637 Lat. 44°04.6' N. Long. 103°12.0' W.	W-A, EW. (dbl. refl.) Mass 2g. (1943)	Shale. Elevation 1045m.
Salt Lake City, University of Utah. A. Anderson, Seis. Tender	Log cos. 9.87932 Lat. 40°45'55"N. Long. 111°50'54"W.	McC-R, NS and EW. Mass 2.5kg. (1939)	Bonneville lake beds. Elevation 1425m.
San Juan, USC&GS. R. M. Wilson, In Chg.	Log cos. 9.97726 Lat. 18°22.9' N. Long. 66°07.1' W.	Wen., NS and EW. Mass 500g. (1943)	Limestone. Elevation 80m.

	Period T_o	T_g	T_s	V	ε	Time: Scales and reference points		Ground trace / Motion "up"
NS	10.0	12.4	9.5	1550[1]	20:1	16mm/min.	End of time break.	N
EW	10.0	12.4	9.5	1550[1]	20:1			W
	0.5	4.3			Near critical	60mm/min.		Up
EW	8			200	10:1	15mm/min.	Beginning of time break.	E
NS	6.0			700	18:1	15mm/min.	End of time break.	S
EW	6.0			700	18:1			E
NS	19.8			10	18:5	15mm/min.	Middle of time break.	N
EW	19.4			10	19:1			E
	10	13		1000[1]	6:1	1"/min.	Beginning of time break.	E
Z	1.5	.45		8000	Near critical	15mm/min.	Beginning of time break.	Up
N	1.5	.45		8000				N
E	1.5	.45		8000				E
Z	1.5	.45		10,000	Near critical	15mm/min.	Beginning of time break.	Up
N	1.5	.45		10,000				N
E	1.5	.45		10,000				E
NS	12.2	9.4	7.5	1400[1]	20:1	20mm/min.	End of time break.	S
EW	12.2	9.4	7.5	1400[1]	20:1			E
EW	5			590	20:1	15mm/min.	End of time break.	E
EW	9.9			335	15:1	15mm/min.	Beginning of time break.	N
NS	9.8			335	15:1			W
NS	9.8	19.9	11.0	1000[1]	20:1	16mm/min.	Beginning of time break.	S
EW	9.8	13.9	10.1		20:1			E

Station	Position	Instruments*	Foundation and elevation
Seattle, University of Washington. H. A. Coombs, In Chg.	Log cos. 9.82844 Lat. 47°39' N. Long. 122°18.5' W.	B-O, NS and EW. Mass 25kg. (1945)	Glacial till. Elevation 34m.
Shasta, Bureau of Reclamation and USC&GS. D. S. Carder, In Chg.	Log cos. 9.87978 Lat. 40°41'44"N. Long. 122°23'19"W.	Ben., film, Z, N, and E. Mass 100 lb. (1947)	Meta-andesite. Elevation 312.4m.
Sitka, USC&GS. J. B. Campbell, In Chg.	Log cos. 9.73544 Lat. 57°03'25"N. Long. 135°19'28"W.	Wen., NS and EW. Mass 500g. (1944)	Graywacke. Elevation 19m.
Tucson, USC&GS. J. H. Nelson, In Chg.	Log cos. 9.92725 Lat. 32°14.8' N. Long. 110°50.1' W.	W-A, NS and EW. Mass 2.3g. (1943) Ben., Z Mass ? (1943)	Caliche or gravels 100-300m. thick. Elevation 770m.
Ukiah, International Latitude Observatory and USC&GS. L. F. Caouette, In Chg.	Log cos. 9.88968 Lat. 39°08' N. Long. 123°13' W.	McC-R, NW and NE. Mass 10kg. (1941)	Alluvium 180m. deep. Elevation 199m.

[1]Estimated magnification

	Period T_o	T_g	T_s	V	ℓ	Time: Scales and reference points		Ground Motion trace "up"
NS	5			10	16:1	15mm/min.	Middle of time	N
EW	5			10		break.		W
Z	1.5	.45		5000	Near	15mm/min.	Beginning of time	Up
N	1.5	.45		5000	critical	break.		N
E	1.5	.45		5000				
NS	8.0	16.0	8.3	1000[1]	30:2	15mm/min.	Beginning of time	N
EW	8.0	12.0	8.3	1000[1]	10:7	break.		W
NS	10			430	129:1	30mm/min.	Beginning of time	S
EW	10			430	91:1	break.		E
Z	1.0				.80			
		77.0			1.0	60mm/min.		Up
		0.236			1.0			Up
NW	12			75	10:1	15mm/min.	Beginning of time	NW
NE	12			75	10:1	break.		NE

PROVISIONAL EPICENTERS

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Jan.	h m s	° '	° '	
1	1 20 43	73 N.	69½ W.	Baffin Bay. Mag. 7.
2	2 36 10	36 24 N.	117 55 W.	By Pasadena. Owens Lake, Calif. Mag. 3.5.
5	6 18 23*	2 S.	107 W.	Galapogos Islands, about 1200 mi. west of.
5	6 36 16	32 36 N.	118 14 W.	By Pasadena. South of San Clemente Island. Mag. 3.6.
6	9 36 25*	12 S.	110 W.	Easter Islands, about 1000 mi. north of.
7	22 25 32	36.5 N.	111.8 W.	California, near northwest coast. Minor damage in San Benito County. Mag. 5.1.
9	12 17 41*	19½ N.	73 W.	Haiti, near north coast.
11	11 56.0*	37.4 N.	114.9 W.	By Pasadena. Lincoln County, Nev. Mag. 3.8.
11	21 08 40*	18½ N.	76½ W.	Jamaica, off east coast. Felt throughout Island.
12	18 38 27	34½ N.	138 E.	Honshu, Japan, near southern coast. Slight damage reported on Honshu. Mag. 6.9.
12	21 59 35	16.0 N.	93.0 W.	Mexico, near southern coast. Felt in Chiapas. Depth about 150 km.
16	13 36 42*	35 N.	137½ E.	Honshu, Japan, near southern coast.
17	3 59 18*	35½ S.	72 W.	Chile, near coast. Felt. Slightly deeper than normal.
18	3 12 56*	57 N.	34 W.	Atlantic Ocean, southeast of Greenland.
18	3 45 23*	57 N.	34 W.	-----Do.
18	18 06 21*	18 N.	94 W.	Isthmus of Tehuantepec, near north coast. Felt in Coatzacoalcos.
19	5 10 44.6	33 56.5 N.	118 19.5 W.	By Pasadena. Inglewood Fault, Calif. Felt. Mag. 3.5.
22	7 47 51*	20 N.	70 W.	Dominican Republic, near north coast. Felt in Ciudad Trujillo.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Jan.	h m s	° '	° '	
23	21 34 11	33 28 N.	116 42 W.	By Pasadena. Near Anza, Calif. Mag. 3.5.
25	0 31 55*	66 N.	173 W.	Arctic Circle, off northeast coast of Siberia.
25	6 00 23*	27 N.	140 E.	Bonin Islands region. Depth about 100 km.
26	4 23 56	34 12 N.	117 09 W.	By Pasadena. Near Lake Arrowhead, Calif. Felt. Mag. 3.5.
31	9 35 32*	29 S.	71½ W.	Chile, near coast.
Feb. 1	10 35 47*	22 S.	169 E.	Loyalty Islands region.
1	12 13 37*	22 S.	169 E.	-----Do.
2	2 02 30*	60½ N.	146 W.	Southern Alaska.
2	21 37 48*	½ S.	81 W.	Ecuador, off coast.
2	23 27 50*	½ S.	81 W.	-----Do.
5	8 02 38*	6 N.	77 W.	Colombia. Felt in Valle del Cauca.
6	22 56 11	33 57 N.	118 21 W.	By Pasadena. Near Inglewood Fault, Calif. Felt. Mag. 3.5.
10	4 57 50	41½ N.	142 E.	Honshu, Japan, off northeast coast. Felt in northern Honshu. Slight deeper than normal. Mag. 7.3.
12	16 24 40*	32 S.	72 W.	Chile, near northwest coast. Felt.
13	11 27 13*	34 N.	39 W.	Atlantic Ocean, southwest of Azores.
14	3 01 15	44.7 N.	115.4 W.	Idaho. Felt in Montana, Washington, and Oregon. Mag. 6.
16	8 15 09	34 12 N.	117 09 W.	By Pasadena. Near Lake Arrowhead, Calif. Mag. 3.0.
18	6 46 25	7 N.	82 W.	Panama, off coast.
18	10 08 05	42 N.	144 E.	Hokkaido, Japan, off southeast coast. Slightly deeper than normal. Mag. 7.0.
20	9 35.8*	32 N.	115½ W.	By Pasadena. Baja, Calif. Mag. 4.0.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb. 26	22 14 24	26 N.	143 E.	Bonin Islands region. Mag. 7.1.
27	7 16 23*	15 N.	95 W.	Mexico, Bay of Tehuantepec.
27	9 06 53	32.0 N.	115.5 W.	By Pasadena. Baja Calif. Mag. 3.8.
Mar. 1	11 1[illegible] 58	32 03 N.	116 09 W.	By Pasadena. West of Sierra Juarez, Baja Calif. Mag. 4.4.
2	10 39 25	42 N.	36 E.	Turkey, near northern coast.
2	19 42 30*	25 N.	143 E.	Bonin Islands region. Depth about 500 km.
3	14 13 10	32 58 N.	116 00 W.	By Pasadena. Near Borego Valley, Calif. Mag. 3.4.
5	12 17 05*	19 S.	172 W.	Tonga Islands region. Depth about 100 km.
11	0 01 31	34 00 N.	116 13 W.	By Pasadena. Little San Bernardino M Mountains, Calif. Mag. 3.2.
11	0 20 03	33 52 N.	116 12 W.	By Pasadena. Little San Bernardino Mountains, Calif. Mag. 3.8.
11	21 37 49	37½ N.	142½ E.	Honshu, Japan, off east coast. Slightly deeper than normal. Mag. 7.2.
12	11 03 13	35 11 N.	117 24 W.	By Pasadena. Northwest of Barstow, Calif. Mag. 3.2.
17	23 57 53	6.7 N.	78.1 W.	Colombia, off coast. Felt in Panama Canal Zone. Mag. 6¾.
18	0 21 16*	33 S.	179 W.	Kermadec Islands region.
18	18 54 42*	55 N.	157 W.	Alaska Peninsula, south of.
18	23 18 09	38½ N.	29 W.	Azores region. Felt.
19	13 19 20*	23 S.	72 W.	Chile, off northwestern coast.
20	7 58 53	36½ N.	34 E.	Turkey, south-central. Fourteen killed and hundreds injured in series of earthquakes.
20	21 55 07	34 15 N.	116 10 W.	By Pasadena. Mojave Desert, northwest of Twentynine Palms. Calif. Mag. 5.0.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Mar.	h m s	° '	° '	
22	4 23 43*	25 S.	69 W.	Chile, north-central. Possibly slightly deeper than normal.
23	8 13 25*	26 S.	69 W.	-----Do.
23	23 14 15*	61 S.	155½ E.	New Zealand, about 1100 mi. southwest of. Mag. 7.1.
28	13 03 06*	5 S.	146 E.	New Guinea, off east coast. Possibly slightly deeper than normal.
29	4 04 17	34 17 N.	116 11 W.	By Pasadena. Northwest of Twentynine Palms, Calif. Mag. 4.2.
29	17 53 14	34 17 N.	116 11 W.	By Pasadena. Northwest of Twentynine Palms, Calif. Mag. 3.7.
31	18 50 45	31 N.	114 W.	Gulf of California. Mag. 5.
31	19 27 37	31 N.	114 W.	-----Do.

SEISMOGRAM INTERPRETATIONS

Date and Station	Phase	(GCT)
Jan. 1, H_{P-H} = 1 20 43 Epicenter in the region 73° N., 69½° W. Baffin Bay. Mag. 7.		
BER	eP	01 28 06
	ePP	29 43
	ePPP	30 00
	eS	34 13
	eL	39 10
	F	02.7
BC	iP	01 28 48.4
	i	30 49
	e	35 20
	eS	35 30
BOZ	eP	01 27 20
	i	27 33
	eS	32 37
	e	33 00
	eL	35 50
	F	02.7
BUT	eP	01 27 24
	eS	32 42
	e	33 39
	eL	35 04
	F	02.4
COL	eP	01 26 39
	e	27 10
	eS	31 17
	eL	32 10
	F	02.4
COLU	e	01 28 14
	e	29 33
	eS	34 14
	e	37 28
	eL	38 53
	F	02.3
GC	iP	01 27 22.3
	i	27 33.4
	i	32 03
	i	32 45
	iS	33 43
	i	38 05
Jan. 1, cont.		
HUAN	eP	01 33 20
	e	34 11
	ePP	36 35
	eS	43 47
	e	47 15
	eSS	49 27
	e	52 50
	eL	58 58
	F	02.8
LIN	eP	01 27 41
	ePP	28 57
	eS	32 41
	e	34 39
	eL	37 10
	F	02.4
NK	eP	01 27 27
	eS	32 36
	eL	34 51
	F	03.0
OV	iP	01 28 43
	eS	35 09
	e	35 29
PHIL	iP	01 27 22
	e	28 15
	eS	32 37
	e	33 44
	eL	34 34
	F	02.6
PF	iP	01 28 46.0
	iS	35 10
	i	42 29
	iL	43 11
RC	iP	01 27 20
	i	28 19
	iPcP	29 35
	iS	32 38
	i	33 57
	iL	34 35
	F	02.5
Jan. 1, cont.		
SLC	iP	01 28 05
	ePPP	29 59
	eS	33 52
	eL	36 53
	F	02.5
SJ	eP	01 30 16
	e	30 43
	ePP	32 08
	eS	38 02
	e	40 34
	eL	45 25
	F	02.8
SEA	e	01 34 05
	iL	37 13
	F	02.0
SH	iP	01 28 26
SIT	iS	01 32 15
	iL	36 00
	F	02.3
TUC	iP	01 29 08
	i	30 08
	ePcP	30 28
	ePP	30 54
	ePPP	31 52
	eS	35 53
	eSS	39 28
	eL	41 24
	F	03.1
UK	eP	01 28 42
	eS	35 05
	eScS	38 36
	eL	41 03
	F	02.4
Jan. 1		
BC	iP	09 02 46
SH	iP	09 02 01.5
TUC	iP	09 03 13
	i	03 35
	i	03 44
	F	09.1

Date and Station	Phase	Phase (GCT) h m s
Jan. 1		
TUC	e	19 12 47
	e	13 30
	eL	14 24
	F	19.3
Jan. 2, H_{P-H} = 02 36 10 By Pasadena 36°24' N., 117°55' W. Owens Lake, Calif. Mag. 3.5.		
BC	iP	02 36 26
	eS	37 00
OV	iP	02 36(30)
	iS	37(08)
PF	iP	02 36 38
	eS	37 18
	iS	37 24
TUC	eL	02 39 56
	F	02.7
Jan. 2		
TUC	iP	04 17 52
	F	04.4
Jan. 2		
GC	eP	11 41 58
	iP	42 01.5
SH	iP	11 42 47.5
TUC	iP	11 44 30
	e	46 54
	F	11.8
Jan. 2		
TUC	e	13 27 24
	e	29 58
	eL	30 54
	F	13.6
Jan. 2		
BER	eL	19 55 38
	F	20.2
BC	iP	19 46 41
GC	eP	19 48 08
Jan. 2, cont.		
HUAN	e(S)	19 51 12
	e	53 28
	eL	54 21
	F	20.5
PF	iP	19 46 37
	eSKS	57 26
	eS	57 37
SJ	eL	19 51 00
	F	20.4
TUC	iP	19 45 57
	i	46 33
	iPP	47 47
	e(S)	52 52
	eL	56 46
	F	20.3
UK	eL	20 04 26
	F	20.3
Jan. 3		
TUC	iP	02 00 40
	i	00 50
	F	02.1
Jan. 3, H_{P-H} = 06 37 27* Probable epicenter south of New Britain. Depth about 100 km.		
BC	iP	06 50 43
	i	51 20
	iPP	54 28.5
GC	iP	06 50 32.5
	i	51 08.5
PF	iP	06 50 48
	i	51 22
	i	51 27
TUC	eP	06 50 59
	e	51 39
Jan. 3		
BC	iP	12 27 48
GC	iP	12 26 54
PF	iP	12 27 51
Jan. 3, cont.		
SH	iP	12 27 03
	i	27 06
TUC	iP	12 28 13
	e	28 44
	F	12.5
Jan. 4		
BC	iP	06 28 52
GC	iP	06 28 08
PF	iP	06 28 54.5
SH	iP	06 28 13
	i	28 28
TUC	iP	06 29 14
	e	32 55
	F	06.6
Jan. 4, H_{P-H} = 18 28 10* Probable epicenter in region of Japan.		
BC	iP	18 39 49.5
GC	iP	18 38 54.3
PF	iP	18 39 52
SH	iP	18 39 06.5
TUC	iP	18 40 14
	i	41 32
	F	18.7
Jan. 4		
TUC	iP	21 45 28
	i	45 46
	i	45 50
	iL	45 59
	F	21.8
Jan. 5, H_{P-H} = 06 18 23* Epicenter in the region 2° S., 107° W. Galopogos Islands, about 1200 miles west of.		
BER	e(S)	06 36 01
	eL	44 48
	F	07.0

Date and Station		Phase (GCT)
		h m s
Jan. 5, cont.		
BC	eP	06 25 46.5
GC	eP	06 27 23
HUAN	e	06 25 03
	eS	29 37
	eL	31 12
	F	07.1
PF	eP	06 25 46.5
TUC	eP	06 25 10
	ePP	26 30
	eS	30 47
	eL	35 50
	F	06.8
Jan. 5, H_{P-H} = 06 36 16 By Pasadena 32°36' N., 118°14' W. South of San Clemente Island. Mag. 3.6.		
BC	iP	06 37 24.4
	e	38 39.5
PF	iP	06 37 31.6
	eS	38 57.6
TUC	e	06 37 55
	i	38 22
	e(L)	39 26
	F	06.7
Jan. 5		
HUAN	e(S)	08 06 15
	eL	12 52
	F	08.6
TUC	e	08 06 03
	eL	17 12
	F	08.7
Jan. 5		
BC	eP	11 08 43
HUAN	eS	11 08 21
	eL	12 40
	F	12.1

Date and Station		Phase (GCT)
		h m s
Jan. 5, cont.		
PF	iP	11 08 42.5
TUC	eP	11 08 07
	e	09 56
	e	16 50
	eL	18 50
	F	11.8
Jan. 5, H_{P-H} = 20 44 15* Probable epicenter southeast of Azores.		
BER	eL	20 57 30
	F	21.2
BC	e	20 55 15
	e	55 26
HUAN	e	21 24 38
	eL	25 22
	F	21.8
PF	eP	20 55 21
TUC	eP	20 55 18
	e	57 38
	F	21.0
Jan. 6, H_{P-H} = 09 36 25* Epicenter in the region 12° S., 110° W. Easter Islands, about 1000 miles north of.		
BC	eP	09 45 05
BOZ	eL	10 01 30
	F	10.4
CHI	eS	09 54 21
	eL	10 04 12
	F	10.4
HON	eL	10 03 01
	F	10.3
HUAN	e	09 44 55
	eS	48 45
	eL	51 13
	F	10.9

Date and Station		Phase (GCT)
		h m s
Jan. 6, cont.		
PF	eP	09 45 06
RC	eL	10 03 28
	F	10.2
TUC	eP	09 44 33
	i	44 48
	eL	57 08
	F	10.5
UK	eL	10 01 32
	F	10.4
Jan. 7		
BC	eP	04 26 58
HUAN	e	04 26 14
	e	29 53
	eS	30 28
	eL	32 01
	F	05.3
PF	eP	04 26 56
SJ	eL	04 33 53
	F	05.0
TUC	eP	04 26 22
	eL	37 00
	F	05.0
Jan. 7		
SH	iP	17 55 35.1
	i	55 35.9
	iS	56 10.9
TUC	eP	17 58 19
	F	18.0
Jan. 7, H_{P-H} = 22 25 32 Epicenter approximately 36.5° N., 111.8° W. Near northwest coast of California. Minor damage in San Benito County. Mag. 5.1.		

Date and Station	Phase	Phase (GCT) h m s
Jan. 7, cont.		
BC	eP	22 26 56
	iP	27 00.7
	i	27 11.7
	eS	28 02
	e	28 18
	iS	28 53
BUT	e	22 29 44
	eL	31 46
	F	22.7
CHI	eL	22 38 22
	F	22.9
GC	e	22 28 23
	i	29 28
	e	31 21
LOG	eP	22 28 07
	e	28 22
	e	29 17
	eS	29 33
	iL	30 18
	F	22.9
OV	iP	22 27 00
	i	27 41
PHIL	eL	22 44 04
	F	22.9
PF	iP	22 27 05
	e	27 22
	eS	28 39
RC	e	22 29 32
	eL	33 52
	F	22.7
SLC	e	22 29 54
	eL	30 09
	F	22.8
SH	eP	22 26 35.5
	i	26 38.3
	i	26 50
	eS	27 35.5

Date and Station	Phase	Phase (GCT) h m s
Jan. 7, cont.		
TUC	eP	22 27 57
	i	28 02
	e	28 32
	i	28 51
	eS	30 11
	iS	30 12
	iL	30 41
	F	22.8
UK	eS	22 26 36
	e	26 57
	iL	27 16
	F	22.7
Jan. 8		
BC	iP	04 29 32
PF	iP	04 29 36
TUC	iP	04 29 36
	e	29 53
	F	04.5
Jan. 8		
BC	iP	09 37 32
BOZ	eL	09 47 02
	F	10.3
GC	iP	09 37 01
PF	iP	09 37 35
SH	iP	09 36 57
TUC	eP	09 37 52
Jan. 9, H_{P-H} = 12 17 41* Epicenter in the region 19½° N., 73° W. Near north coast of Haiti.		
BER	eL	12 24 08
	F	12.5
BC	iP	12 25 20.5
HUAN	e	12 30 39
	eL	35 01
	F	12.8

Date and Station	Phase	Phase (GCT) h m s
Jan. 9, cont.		
PF	iP	12 25 14.5
SJ	e	12 19 35
	iS	20 34
	i	20 39
	i	20 49
	i	21 00
	F	12.7
TUC	iP	12 24 47
	F	12.5
Jan. 9		
BC	eP	16 32 36
GC	eP	16 32 04
PF	iP	16 32 39.5
	i	32 47.5
SH	eP	16 32 01
TUC	eP	16 32 55
Jan. 9		
BC	iP	21 47 23.5
GC	iP	21 47 07
	i	47 27.5
PF	eP	21 47 16.5
	i	47 23.5
SH	iP	21 47 07.5
TUC	iP'	21 47 32
	i(SKP)	50 53
	e(PKKP)	59 50
	F	22.1
Jan. 10		
BC	iP	08 54 06
	i	54 40
PF	iP	08 54 09.5
	i	54 17
SH	iP	08 53 53.5

Date and Station	Phase	(GCT)
		h m s
Jan. 10, cont.		
TUC	iP	08 54 12
	F	09.0
Jan. 11		
BC	iP	01 18 44.5
	i	19 22
	i	22 11
GC	iP	01 18 53.5
	i	19 09
	i	19 35
	i	22 36
PF	iP	01 18 48
	i	22 19
	e	28 09
	i	28 57
	i	29 27
SH	iP	01 18 28.5
	i	21 52.5
TUC	iP	01 18 52
	i	19 02
	i	19 09
	e	22 31
	F	01.4
Jan. 11		
BC	iP	01 55 43.5
GC	iP	01 54 50
PF	iP	01 55 46
SH	iP	01 55 02
TUC	eP	01 56 07
Jan. 11		
BC	iP	03 14 10
PF	iP	03 14 05
	iS	20 53
	e	22 06
TUC	iP	03 13 13
	eL	17 46
	F	03.5

Date and Station	Phase	(GCT)
		h m s
Jan. 11		
BC	eP	06 09 57
GC	iP	06 09 04.5
PF	iP	06 10 00
SH	iP	06 09 16
TUC	eP	06 10 22
Jan. 11		
PF	iP	06 49 08.6
TUC	iP	06 49 10
	F	06.9
Jan. 11, H_{P-H} = 11 56.0 By Pasadena 37.4° N., 114.9° W. Lincoln County, Nev. Mag. 3.8.		
BC	iP	11 56 25
	i	56 26
	eS	56 43
	iS	56 44
PF	iP	11 56 25.8
	i	56 26.3
	iS	56 43.5
TUC	eP	11 57 33
	i	57 55
	i	58 11
	i	59 13
	e(L)	59 24
	F	12.1
Jan. 11		
BC	eP	20 25 26
PF	iP	20 25 29.5
SH	iP	20 25 12.5
TUC	iP	20 25 33
Jan. 11, H_{P-H} = 21 08 40* Epicenter in the region 18½° N., 76½° W. Off east coast of Jamaica. Felt throughout Island.		

Date and Station	Phase	(GCT)
		h m s
Jan. 11, cont.		
BH	e	21 12 35
	F	21.3
BER	eL	21 16 47
	F	21.4
BC	eP	21 16 00
PF	iP	21 15 55
SJ	e	21 11 04
	e	12 22
	eL	13 17
	F	21.7
TUC	iP	21 15 23
	F	21.3
Jan. 12		
BH	e	03 57 53
	F	04.0
Jan. 12		
RC	eL	09 56 31
	F	10.1
Jan. 12		
BC	eP	18 46 13
GC	eP	18 46 27.5
PF	iP	18 46 01
SH	eP	18 45 54.5
TUC	eP	18 46 02
Jan. 12, H_{P-H} = 18 38 27 Epicenter approximately 34½° N., 138° E. Near southern coast of Honshu, Japan. Slight damage reported on Honshu. Mag. 6.9.		

Date and Station		Phase (GCT) h m s
Jan. 12, cont.		
BER	ePPP	18 59 41
	eSKS	19 03 46
	i	05 22
	ePS	07 01
	eSS	12 33
	eSSS	17 01
	eL	30 19
	F	21.3
T_L=14s. A max.= 1.3mm.		
BC	iP	18 50 52
	ePP	54 04
BOZ	eP	18 50 37
	e	53 07
	eS	19 00 30
	iS	00 32
	eSS	05 31
	e	06 18
	eL	14 20
	F	20.4
BUT	eP	18 50 26
	eS	19 00 22
	eL	15 36
	F	20.3
CHI	ePP	18 55 43
	eSKS	19 02 17
	ePS	03 57
	eSS	09 09
	eL	17 05
	F	20.4
COL	eP	18 47 42
	ePP	49 36
	iS	55 11
	eSS	58 43
	eL	59 49
	F	20.2
COLU	eSKS	19 03 10
	e	04 53
	eL	26 00
	F	20.4
GC	iP	18 49 58.5
	i	50 04.5
	iPP	52 35
	e	55 13

Date and Station		Phase (GCT) h m s
Jan. 12, cont.		
GC cont.		
	e	58 46
	i	59 31
	i	19 00 16
HON	e	18 50 06
	eS	56 26
	iS	56 34
	eL	19 02 28
	F	20.3
HUAN	eP'	18 58 06
	ePP	19 01 13
	e	01 46
	e	13 21
	eSS	20 23
	eSSS	25 27
	eL	40 26
	F	21.4
LOG	iP	18 50 54
	i	51 10
	i	51 55
	e	54 23
	ePPP	55 41
	iS	19 01 03
	e	02 17
	e(SS)	06 24
	eSSS	09 56
	eL	14 38
	F	20.3
PHIL	iSKS	19 02 44
	e	04 50
	ePS	05 11
	eSS	10 27
	eSSS	14 33
	eL	21 43
	F	20.7
PF	iP	18 50 52
	i	50 55
	eS	19 01 16
RC	iP	18 51 06
	ePP	54 24
	ePPP	56 07
	iS	19 01 25
	i	01 42
	e	02 13
	eSS	06 35

Date and Station		Phase (GCT) h m s
Jan. 12, cont.		
RC cont.		
	eSSS	10 36
	eL	18 56
	F	20.3
SLC	eP	18 50 49
	iP	50 53
	eS	19 01 03
	iS	01 08
	iPPS	02 00
	e	05 53
	eSS	06 00
	e	10 16
	eL	12 32
	F	20.4
SJ	e	18 58 54
	e	19 01 43
	eSKS	04 31
	e	08 43
	ePS	09 38
	eSS	15 56
	eL	28 37
	F	21.1
SH	iP	18 50 10
	i	50 16
	i	54 45
	e	59 50
	e	19 00 18
TUC	iP	18 51 16
	i	51 22
	e	54 17
	ePPP	56 50
	eS	19 01 54
	iPS	03 05
	eSS	07 58
	eSSS	11 30
	eL	28 50
	F	21.3
UK	e	18 50 18
	iS	19 00 00
	e	00 47
	eSS	04 44
	eL	10 07
	F	20.4

Date and Station		Phase (GCT)
		h m s
Jan. 12, H_{P-H} = 21 59 35 Epicenter approximately 16.0° N., 93.0° W. Near southern coast of Mexico. Felt in Chiapas. Depth about 150 km.		
BC	iP	22 05 17
	i	05 35
	i	05 57
	e	14 35
	i	15 03
	e	15 38
COLU	e	22 04 32
	eS	08 09
	eL	11 37
	F	22.4
GC	iP	22 06 48.5
	ipP	07 07.5
	i	07 29
	i	08 22
	i	08 39
	i	10 22
	e	12 03
HUAN	eP	22 06 00
	e	06 39
	eS	11 13
	eL	13 38
	F	23.4
PHIL	eS	22 10 04
	eL	13 24
	F	22.4
PF	iP	22 05 13.5
	i	05 31
	i	05 53
	e	14 14
	i	14 45
SJ	e	22 05 00
	e	05 15
	ePP	05 45
	e	06 15
	e	10 06
	eL	11 00
	F	22.7

Date and Station		Phase (GCT)
		h m s
Jan. 12, cont.		
SH	eP	22 06 20.5
	i	06 39.5
TUC	iP	22 04 31
	i	04 39
	i	04 50
	iPP	05 09
	i	06 09
	eS	08 46
	eL	11 21
	F	22.4
Jan. 13		
BC	eP	05 14 06
	e	14 18
GC	iP	05 12 47
PF	iP	05 14 10
	i	14 21
SH	iP	05 13 10
TUC	eP	05 14 42
Jan. 13		
GC	eP	05 47 58
PF	iP	05 48 42
SH	iP	05 48 08
TUC	eP	05 49 06
Jan. 13		
BC	e	08 32 55
HUAN	eL	09 18 22
	F	10.1
PF	e	08 31 53
	e	32 53
TUC	e	08 32 56
	eL	09 34 32
	F	10.3

Date and Station		Phase (GCT)
		h m s
Jan. 13		
HUAN	e	12 22 37
	e(S)	28 12
	e	29 05
	eL	43 00
	F	12.9
TUC	eL	12 52 52
	F	13.3
Jan. 13		
HUAN	eL	13 21 23
	F	13.8
Jan. 13		
BC	iP	21 13 02.5
GC	i	21 12 09
PF	iP	21 13 05
SH	iP	21 12 20.5
TUC	e	21 13 28
Jan. 13		
BH	e	22 25 28
	F	22.5
Jan. 14		
GC	i	13 04 22.5
PF	iP	13 05 17.5
SH	eP	13 04 32.5
TUC	eP	13 05 40
Jan. 14		
BH	e	22 49 22
	F	22.9
Jan. 15		
BC	iP	00 50 26
GC	i	00 49 39
PF	iP	00 50.28
SH	iP	00 49 49.5
TUC	eP	00 50 49

Date and Station		Phase (GCT)
		h m s
Jan. 15		
BC	iP	07 14 00
PF	iP	07 13 58.5
TUC	eP	07 13 01
Jan. 16, H_{P-H} = 13 36 42* Epicenter in the region 35° N., 137½° E. Near southern coast of Honshu, Japan.		
BER	eS	14 03 30
	e	09 35
	eL	29 20
	F	15.5
BC	iP	13 49 06
BOZ	eS	13 58 47
	e	59 32
	eL	14 15 39
	F	15.0
COL	eP	13 46 00
	ePP	47 58
	eS	53 30
	eScS	55 48
	eL	14 01 28
	F	14.8
GC	iP	13 48 13
	eS	57 42
HUAN	e	13 57 02
	ePP	59 24
	e	14 00 08
	e	06 14
	eL	46 14
	F	15.3
PF	iP	13 49 09
	iS	59 34
SH	iP	13 48 24.3
	eS	58 05
SIT	iP	13 46 56
	eS	55 07
	iS	55 11
	eL	14 02 17
	F	14.8

Date and Station		Phase (GCT)
		h m s
Jan. 16, cont.		
TUC	eP	13 49 28
	ePP	53 12
	F	14.0
Jan. 16		
SJ	eP	18 58 53
	iS	59 25
	iL	59 41
	F	19.1
Jan. 17, H_{P-H} = 03 59 18* Epicenter in the region 35½° S., 72° W. Near coast of Chile. Felt. Depth approximately 60 km.		
BC	iP	04 11 38
	ipP	11 53.5
GC	iP	04 12 32.5
	ipP	12 48
HUAN	eP	04 04 33
	i	04 48
	iPP	05 17
	eS	08 37
	eL	10 43
	F	04.5
PF	iP	04 11 36.5
	ipP	11 52
	iS	21 42
SH	iP	04 12 13
	ipP	12 28
TUC	iP	04 11 11
	ipP	11 27
	F	04.3
Jan. 17, H_{P-H} = 15 01 39* Probable epicenter in East Indies region.		
BC	eP	15 20 33.5
	iP	20 41
	i	22 15

Date and Station		Phase (GCT)
		h m s
Jan. 17, cont.		
GC	eP	15 20 15
	e	20 26.5
	i	21 37
PF	eP	15 20 30
	i	20 41
	e	21 17
SH	eP	15 20 21
TUC	eP	15 20 45
	i	20 50
	e	21 18
	eL	16 33 25
	F	16.7
Jan. 18, H_{P-H} = 03 12 56* Epicenter in the region 57° N., 34° W. Atlantic Ocean, southeast of Greenland.		
BER	eL	03 28 08
	F	03.8
BC	eP	03 22 34
	i	23 29
BOZ	eL	03 37 26
	F	03.9
COLU	eL	03 33 13
	F	03.8
GC	eP	03 21 44
NK	eL	03 30 30
	F	03.7
PHIL	eS	03 24 26
	eL	27 53
	F	03.7
PF	iP	03 22 29
	i	22 31
SLC	eL	03 49 48
	F	03.9

Date and Station	Phase	Phase (GCT)
		h m s
Jan. 18, cont.		
SJ	e	03 23 51
	eS	27 53
	eL	31 37
	F	Lost.
SH	iP	03 22 35.5
TUC	iP	03 22 40
	ePP	24 30
	eS	30 39
	eL	40 28
	F	03.9
Jan. 18, H_{P-H} = 03 45 23* Epicenter in the region 57° N., 34° W. Atlantic Ocean, southeast of Greenland.		
BER	eL	04 00 48
	F	04.3
BC	eP	03 55 02
BOZ	eL	04 10 08
	F	04.7
CHI	eL	04 02 49
	F	04.3
COLU	eL	04 06 28
	F	04.3
PHIL	eS	03 56 53
	eL	04 02 29
	F	04.2
PF	iP	03 54 55
RC	eL	04 35 47
	F	04.8
SLC	eL	04 12 33
	F	04.4
SJ	eS	04 00 20
	eL	04 07
	F	04.4

Date and Station	Phase	Phase (GCT)
		h m s
Jan. 18, cont.		
TUC	iP	03 55 07
	eL	04 16 50
	F	04.6
Jan. 18, H_{P-H} = 03 58 47* Aftershock of preceding quake.		
BC	iP	04 08 22
	e	12 32
CHI	eL	04 31 27
	F	04.8
GC	iP	04 12 55
PF	iP	04 08 22
	e	12 36.5
RC	eL	05 09 43
	F	05.3
TUC	iP	04 08 31
	eL	31 22
	F	04.6
Jan. 18, H_{P-H} = 18 06 21* Epicenter in the region 18° N., 94° W. Near north coast of Isthmus of Tehuantepec. Felt in Coatzacoalcos.		
BER	eL	18 23 11
	F	18.6
BC	iP	18 11 51
	i	12 03
	e	20 55
	e	21 19
GC	eP	18 13 24
	i	13 34.5
PF	iP	18 11 49
	i	11 58
	e	21 25

Date and Station	Phase	Phase (GCT)
		h m s
Jan. 18, cont.		
SJ	eP	18 11 58
	e(S)	16 48
	eL	21 00
	F	18.7
SH	iP	18 29 42.5
TUC	iP	18 11 05
	i	11 09
	iPP	11 28
	i	12 11
	e(S)	15 23
	eL	18 50
	F	18.6
Jan. 19, H_{P-H} = 05 10 44.6 By Pasadena 33°56.5' N., 118°19.5' W. Inglewood Fault, Calif. Felt. Mag. 3.5.		
BC	eP	05 11 43
	i	12 34
PF	iP	05 11 50
	i	12 02
	iS	12 56
TUC	e	05 12 33
	eL	14 13
	F	05.3
Jan. 19		
SH	iP	06 27 15
TUC	iP	06 27 30
	i	29 29
	F	06.5
Jan. 19		
BC	iP	22 29 50.5
GC	iP	22 29 04
PF	iP	22 29 53.5
SH	iP	22 29 09
TUC	iP	22 30 14

Date and Station		Phase (GCT)
		h m s
Jan. 19, H_{P-H} = 23 37 10* Probable epicenter off northwest coast of Puerto Rico.		
HUAN	e	23 43 32
	e	47 01
	eL	49 42
	F	00.1
PF	i	23 55 30
SJ	iP	23 37 28
	i	37 33
	iS	37 38
	i	37 59
	iL	38 14
	F	00.1
TUC	iP	23 45 04
	F	23.8
Jan. 20		
BC	iP	16 15 03
	i	15 16
GC	iP	16 15 27
PF	iP	16 14 26
	i	15 06.5
SH	iP	16 14 50
TUC	iP	16 15 08
	e	15 26
	eL	41 28
	F	16.9
Jan. 21		
COL	iP	14 03 50
	iS	03 58
	i	04 08
	iL	04 21
	F	14.2
Jan. 22, H_{P-H} = 07 47 51* Epicenter in the region 20° N., 70° W. Near north coast of Dominican Republic. Felt in Ciudad Trujillo.		

Date and Station		Phase (GCT)
		h m s
Jan. 22, cont.		
BH	e	07 50 57
	e	53 50
	F	08.9
BER	eP	07 50 57
	i	51 18
	eS	53 21
	eL	53 39
	F	09.5
T_S= 20s. A max.= .7mm. T_L= 11s. A max.= 7.8mm.		
BC	iP	07 55 48
BOZ	eL	08 06 26
	F	08.5
CHI	e	07 53 59
	ePP	54 16
	e	58 06
	eS	58 20
	eL	08 00 38
	F	08.7
COL	eL	08 21 17
	F	08.7
COLU	eS	07 55 08
	eL	58 05
	F	08.7
GC	eP	07 56 33
HUAN	eP	07 54 21
	iPP	55 40
	iS	59 42
	eL	08 03 06
	F	09.0
LIN	eL	08 03 35
	F	08.3
NK	e	07 53 06
	iS	57 03
	eL	08 00 00
	F	08.5
PHIL	iP	07 52 30
	iS	56 16
	eL	59 34
	F	08.7

Date and Station		Phase (GCT)
		h m s
Jan. 22, cont.		
PF	iP	07 55 42
RC	eP	07 55 00
	e	56 48
	eS	08 00 27
	e	03 11
	eL	06 28
	F	08.5
SLC	eL	08 09 33
	F	08.4
SJ	iP	07 48 55
	i	49 13
	i(S)	49 32
	i(L)	50 00
	F	10.1
SH	eP	07 56 37
TUC	iP	07 55 15
	i	55 39
	iPP	56 38
	e	58 14
	eS	08 01 22
	eL	10 05
	F	08.7
UK	eL	08 14 09
	F	08.6
Jan. 23		
TUC	eP	11 32 58
	i	33 16
	i	33 44
	eL	34 26
	F	11.6
Jan. 23		
SJ	e	13 04 07
	e	04 32
	e(S)	04 57
	iL	05 52
	F	13.3
Jan. 23		
BC	iP	19 41 41.5
	e	43 42
	i	43 46
GC	eP	19 42 33

Date and Station	Phase (GCT)	
		h m s
Jan. 23, cont.		
PF	iP	19 41 43
	i	43 45
	i	43 49
SH	eP	19 40 54.5
	i	42 57
TUC	iP	19 42 09
	ipP	44 15
	F	19.8
Jan. 23, H_{P-H} = 21 34 11 By Pasadena 33°28' N., 116°42' W. Near Anza, Calif. Mag. 3.5.		
BC	iP	21 35 05
	e	35 36
	eS	35 44
PF	iP	21 35 04.7
	i	35 53.2
	eS	35 59.7
	iS	36 03.0
TUC	e	21 35 10
	eL	37 00
	F	21.6
Jan. 24		
BC	iP	09 42 33
GC	iP	09 41 46.5
	i	42 24
PF	iP	09 42 35
	i	44 11
	i	45 56
SH	iP	09 41 59
TUC	iP	09 42 55
	e	43 22
	e	46 34
	F	09.8
Jan. 25, H_{P-H} = 00 31 55* Epicenter in the region 66° N., 173° W. Arctic Circle, off northeast coast of Siberia.		

Date and Station	Phase (GCT)	
		h m s
Jan. 25, cont.		
BER	eL	00 08 50
	F	00.6
BC	eP	00 40 15.5
	i	40 53.5
BOZ	eS	00 45 05
	eL	51 00
	F	01.5
BUT	eL	00 50 49
	F	01.2
CHI	e	00 51 51
	eL	55 35
	F	01.5
COL	eL	00 35 51
	F	01.3
COLU	eL	01 02 42
	F	01.6
GC	eP	00 38 31.5
	e	38 37
	eS	49 03
	e	49 34
LIN	eL	00 57 01
	F	01.2
NK	eL	01 01 --
	F	01.4
PHIL	iL	01 02 07
	F	01.4
PF	iP	00 39 17.5
	e	49 50
RC	eL	00 54 53
	F	01.4
SLC	eS	00 46 23
	e	49 43
	eL	53 08
	F	01.3
SJ	eS	00 54 19
	eL	01 12 41
	F	02.0

Date and Station	Phase (GCT)	
		h m s
Jan. 24, cont.		
SEA	eL	01 41 24
	F	02.2
SH	eP	00 39 17.5
SIT	eS	00 40 05
	eL	42 11
	F	01.4
TUC	iP	00 40 53
	e	44 47
	eL	59 22
	F	01.5
Jan. 25		
BC	iP	01 30 04.5
	i	30 54.5
GC	iP	01 30 08
	i	30 55
PF	iP	01 30 07.5
	i	30 57
SH	iP	01 29 44
	e	30 31
	i	30 36
TUC	iP	01 30 15
	ipP	31 08
	eL	02 06 44
	F	02.2
Jan. 25, H_{P-H} = 06 00 23* Epicenter in the region 27° N., 140° E. Bonin Islands region. Depth about 100 km.		
BC	iP	06 12 56
	i	14 28
COL	eS	06 17 35
	eL	26 17
	F	06.6
GC	iP	06 12 11.5
	e	13 38
	iS	21 20

Date and Station		Phase (GCT)
		h m s
Jan. 25		
PF	iP	06 12 58
	i	14 29
	eS	21 41
	iS	21 54
SH	iP	06 12 17
	i	13 46.5
	iS	21 33
	e	21 47
TUC	iP	06 13 19
	i	13 45
	F	06.3
Jan. 25		
BC	iP	22 14 31.4
	i	17 40
GC	iP	22 13 45.5
PF	iP	22 14 34.5
	i	14 47
	e	17 38
SH	iP	22 13 51
TUC	iP	22 14 56
Jan. 25		
BC	iP	23 46 08.5
PF	eP	23 46 08
TUC	eP	23 46 35
Jan. 26, H_{P-H} = 04 23 56 By Pasadena 34°12' N., 117°09' W. Near Lake Arrowhead, Calif. Felt. Mag. 3.5.		
BC	iP	04 24 38
	i	24 44
	eS	25 17
	iS	25 18.5
OV	iP	04 24 47.0
	e	24 55.6
	i	24 56.4
	eS	25 37.5

Date and Station		Phase (GCT)
		h m s
Jan. 26, cont.		
PF	iP	04 24 46.3
	i	24 55.0
	eS	25 36.3
	iS	25 37.8
TUC	e	04 25(27)
	iL	26(55)
Jan. 26		
BC	eP	21 18 37.5
	e	19 33
GC	eP	21 17 44
PF	eP	21 18 37.5
SH	eP	21 17 53
	i	18 06
TUC	eP	21 19 04
Jan. 28		
OV	iP	11 39 36
PF	eP	11 39 40
TUC	iP	11 40 43
	F	11.7
Jan. 28, H_{P-H} = 19 46 30* Probable epicenter off southwest coast of South America.		
BC	eP	19 58 20
GC	eP	19 59 27
HUAN	eP	19 53 15
	e	54 02
	eS	58 27
	eL	20 01 28
	F	20.9
OV	iP	19 58 23
PF	eP	19 58 19
SH	iP	19 58 54.5
	eS	20 09 04

Date and Station		Phase (GCT)
		h m s
Jan. 28, cont.		
TUC	iP	19 57 54
	e	20 05 28
	eL	13 56
	F	20.8
Jan. 29, H_{P-H} = 21 00 45* Probable epicenter in region of Mindanao.		
BC	ePP	21 19 47
GC	eP	21 14 44.5
	ePP	18 47.5
PF	ePP	21 20 05
SH	eP	21 14 43
	ePP	19 00
TUC	e	21 19 33
	e	20 28
	e	57 16
	F	22.7
Jan. 31		
BC	iP	06 52 38
GC	iP	06 52 48
OV	eP	06 52 45
PF	eP	06 52 41
SH	iP	06 52 21.5
TUC	iP	06 52 46
	i	53 01
	F	06.9
Jan. 31, H_{P-H} = 09 35 32* Epicenter in the region 29° S., 71½° W. Near coast of Chile.		
BC	iP	09 47 25
	i	47 39
GC	eP	09 48 23

Date and Station	Phase	(GCT)
		h m s
Jan. 31, cont.		
HUAN	eP	09 39 34
	e	40 06
	iS	42 52
	eL	43 11
	F	09.9
OV	iP	09 47 27
	i	47 41.5
PF	iP	09 47 23
	i	47 38
SH	iP	09 48 03
	i	48 07.5
TUC	iP	09 46 56
	i	47 09
	F	09.8
Jan. 31		
BH	iP	19 42 19
	iS	43 20
	F	19.8
Feb. 1		
TUC	eP	10 33 10
	F	10.6
Feb. 1, H_{P-H} = 10 24 43* Probable epicenter Loyalty Islands region.		
BC	iP	10 37 54.5
OV	eP	10 37 45.5
PF	iP	10 37 57.5
SH	iP	10 37 39.5
TUC	iP	10 38 01
	F	10.7
Feb. 1, H_{P-H} = 10 29 07* Probable epicenter Loyalty Islands region.		
BC	iP	10 42 18.5
OV	iP	10 42 21
Feb. 1, cont.		
PF	iP	10 42 21
SH	iP	10 42 03.5
	i	48 42
TUC	iP	10 42 25
	F	10.8
Feb. 1, H_{P-H} = 10 35 47* Epicenter in the region 22° S., 169° E. Loyalty Islands region.		
BER	e	10 58 40
	eSS	11 17 30
	eL	38 28
	F	12.4
BC	iP	10 48 59
	eS	59 37
BUT	eL	11 28 04
	F	11.9
CHI	eS	11 04 13
	e	11 39
	eL	35 33
	F	12.1
COL	eSKS	10 59 33
	eSS	11 06 17
	eL	16 18
	F	11.2
COLU	e	11 05 42
	eL	32 28
	F	12.2
HON	eL	10 58 38
	F	11.3
HUAN	eSKS	11 02 26
	eSS	10 07
	e	14 42
	eL	28 46
	F	12.2
LOG	eL	11 24 02
	F	11.8
Feb. 1, cont.		
OV	eP	10 49 01
	iP	49 05
PHIL	eL	11 34 27
	F	14.1
PF	eP	10 49 01
	iS	59 37
	e	11 00 11
RC	eSKS	11 00 32
	eL	32 39
	F	11.9
SLC	e	10 59 58
	eSS	11 07 26
	eL	20 00
	F	11.9
SIT	ePS	11 01 03
	eSS	06 12
	eL	14 11
	F	12.0
TUC	iP	10 49 04
	eSKS	59 20
	e	11 01 30
	eSS	06 55
	eL	17 08
	F	Lost.
UK	eL	11 16 40
	F	11.6
Feb. 1		
UK	eL	11 32 28
	F	11.7
Feb. 1		
BC	eP	11 39 59
	iP	40 02.5
OV	eP	11 40 04
PF	eP	11 40 06
SH	iP	11 39 47.5
TUC	iP	11 40 08
	F	11.7

Date and Station		Phase (GCT)
		h m s
Feb. 1		
BOZ	e	12 02 27
	eL	18 20
	F	12.9
TUC	iP	11 50 59
	F	11.9
Feb. 1, H_{P-H} = 12 13 37 Epicenter in the region 22° S., 169° E. Loyalty Islands region.		
BER	e	12 36 21
	eSKS	39 52
	eL	13 15 06
	F	14.4
BC	iP	12 26 49.5
	i	26 51
	i	27 00.5
	eSKS	37 26
	eS	37 59
BOZ	iSKS	12 38 00
	iPS	40 16
	e	52 27
	eL	59 21
	F	13.7
BUT	eL	12 57 02
	F	13.6
CHI	e	12 32 50
	eL	13 07 30
	F	14.6
COL	eSKS	12 37 12
	e	37 42
	ePS	39 07
	eSS	43 36
	e	44 30
	eL	56 17
	F	13.8
COLU	eL	13 10 12
	F	14.0
GC	eP	12 27 00
HON	eL	12 35 49
	F	13.2

Date and Station		Phase (GCT)
		h m s
Feb. 1, cont.		
HUAN	e	12 32 33
	ePP	32 46
	e	37 20
	e(SKS)	39 35
	eS	40 21
	e	46 31
	eL	13 08 21
	F	14.2
LOG	eL	12 58 22
	F	14.0
OV	iP	12 26 51.5
	eSKS	37 27
	eS	37 59
PF	eP	12 26 51.5
	i	26 55
	e	37 12
	eSKS	37 26
	eS	37 57
	e	38 24
	e	39 06
RC	eSKS	12 38 19
	e	40 32
	eSS	46 53
	eL	13 05 46
	F	13.8
SLC	eSKS	12 37 45
	ePS	39 42
	eSS	45 28
	eL	58 00
	F	13.7
SIT	e	12 34 02
	iSKS	37 19
	iPS	39 00
	iSS	43 36
	eL	51 00
	F	14.1
SH	eP	12 26 34.6
	iP	26 36.2
	i	26 53
	eS	37 02

Date and Station		Phase (GCT)
		h m s
Feb. 1, cont.		
TUC	iP	12 26 56
	i	26 58
	iPS	39 04
	e	44 45
	eL	56 00
	F	Lost.
UK	eL	12 50 43
	F	Lost.
Feb. 1		
UK	eL	13 04 03
	F	13.6
Feb. 1		
HUAN	e	13 48 12
	F	Lost.
Feb. 1		
TUC	iP	17 06 45.5
	iS	07 05.0
	i	07 07.8
	F	17.2
Feb. 1		
BC	iP	23 23 51
	i	24 10
GC	e	23 22 49
	e	23 08
OV	iP	23 23 50
	i	24 09
PF	iP	23 23 53
	i	24 13
SH	iP	23 23 04.5
	i	23 24
TUC	iP	23 24 18
	i	24 38
	e	27 34
	i	41 09
	F	23.8
Feb. 2		
BC	eP	01 45 28
	e	45 47
OV	e	01 45 36
	e	45 49

Date and Station		Phase (GCT)
		h m s
Feb. 2, cont.		
TUC	e	01 42 00.5
	i	42 04.6
	i	42 12.2
	i	42 18.0
	i	43 13.5
	i	43 18.0
	F	01.8
Feb. 2, H_{P-H} = 02 02 30* Epicenter in the region 60½° N., 146° W. Southern Alaska.		
BC	eP	02 08 54.5
COL	eP	02 03 35
	iS	04 27
	iS	04 36
GC	iP	02 07 06
	i	07 10
	i	07 18
	eS	13 45
	iS	14 09
	e	14 46
OV	eP	02 08 52
PF	eP	02 08 55
	i	08 58
SH	eP	02 07 51.5
SIT	eP	02 04 08
	eL	06 33
	F	02.3
TUC	iP	02 09 37
	i	11 54
	F	02.2
Feb. 2, H_{P-H} = 21 37 48* Epicenter in the region ½° S., 81° W. Off coast of Ecuador.		
BC	eP	21 46 32
	i	46 36.5
HUAN	e	21 40 57
	e	43 07

Date and Station		Phase (GCT)
		h m s
Feb. 2, cont.		
HUAN, cont.		
	iS	21 43 12
	e	43 38
	eL	44 15
	F	21.7
OV	iP	21 46 38
PF	e	21 46 27.5
	e	46 31.5
SJ	eP	21 43 06
	eS	47 20
	F	22.0
TUC	eP	21 45 52
	i	45 57
	eL	22 02 09
	F	22.2
Feb. 2, H_{P-H} = 23 27 50* Epicenter in the region ½° S., 81° W. Off coast of Ecuador.		
BER	e	23 39 50
	eL	43 25
	F	00.1
BC	eP	23 36 30
	i	36 34.5
CHI	e	23 45 13
	eL	51 18
	F	00.0
GC	eP	23 37 47.5
	e	38 40.5
	i	40 01
HUAN	iP	23 30 56
	i	31 31
	i	32 06
	i	32 53
	iS	33 14
	iL	33 49
	F	00.1
OV	iP	23 36 33.5
PF	iP	23 36 29.5

Date and Station		Phase (GCT)
		h m s
Feb. 2, cont.		
SJ	iP	23 33 01
	i	33 46
	eS	37 14
	iS	37 25
	eL	38 40
	F	23.9
SH	iP	23 37 26.5
	e	38 27
TUC	iP	23 35 54
	i	35 58
	i(PP)	37 55
	eL	51 03
	F	00.2
Feb. 3		
BC	iP	15 13 07
	i	13 18.5
OV	iP	15 13 02
	i	13 12
PF	iP	15 13 10.5
	i	13 22
SH	eP	15 12 53.5
	i	13 03.5
TUC	eP	15 13 14
	i	13 26
Feb. 3		
BC	iP	19 14 40
	i	14 50
OV	eP	19 14 51
PF	iP	19 14 43.5
	i	14 53.5
SH	iP	19 14 25.5
TUC	iP	19 14 48
	i	14 58
	F	19.3
Feb. 4		
BC	iP	15 58 22
OV	iP	15 58 22

Date and Station		Phase (GCT)
		h m s
Feb. 4, cont.		
PF	iP	15 58 25
TUC	iP	15 58 49
	e	59 43
Feb. 4		
TUC	iP	20 16 55
	F	20.4
Feb. 5, H_{P-H} = 08 02 38* Epicenter in the region 6° N., 77° W. Colombia. Felt in Valle del Cauca.		
HUAN	e	08 06 31
	e	07 10
	i	07 14
	e	09 35
	iS	09 37
	eL	10 17
	F	08.7
OV	iP	08 11 11.5
PF	iP	08 11 07.5
SJ	i	08 09 41
	iS	09 44
	F	08.2
TUC	iP	08 10 34
	F	08.3
Feb. 5		
HUAN	e	11 02 16
	e	02 23
	e	05 02
	eL	05 41
	F	11.3
SJ	eL	11 09 07
	F	11.3
Feb. 5		
TUC	iP	19 27 06.2
	iP	27 06.8
	i(S)	27 28.0
	F	19.5

Date and Station		Phase (GCT)
		h m s
Feb. 6, H_{P-H} = 19 05 40* Probable epicenter off coast of Ecuador.		
BER	e	19 14 02
	e(S)	18 28
	eL	21 18
	F	19.8
BC	iP	19 14 24
	i	15 45
GC	e	19 15 41
HUAN	iP	19 08 48
	i	09 26
	i	10 14
	iS	11 08
	iL	12 03
	F	19.8
OV	iP	19 14 25
PHIL	iS	19 19 30
	eL	22 30
	F	19.7
PF	iP	19 14 20
SJ	iP	19 10 53
	e	12 20
	iS	15 16
	iL	16 17
	F	19.6
TUC	iP	19 13 44
	eS	20 17
	eL	29 05
	F	19.9
Feb. 6, H_{P-H} = 22 56 11 By Pasadena 33°57' N., 118°21' W. Inglewood Fault, Calif. Felt.		
BC	iP	22 57 09.2
	e	58 05.7
OV	i	22 57 27.5
	i	58 25

Date and Station		Phase (GCT)
		h m s
Feb. 6, cont.		
PF	iP	22 57 16.2
	i	57 36.7
	e	58 24.2
TUC	eL	22 59 48
	F	23.0
Feb. 6		
COL	eL	23 28 14
	F	23.7
Feb. 7		
BUT	eL	00 28 00
	F	00.6
GC	iP	00 23 19
	i	25 06.5
	i	25 45.6
OV	eP	00 25 37
PHIL	eL	00 42 22
	F	00.8
PF	iP	00 25 44
SLC	e	00 29 56
	e	30 12
	F	00.6
SH	iP	00 24 10
SIT	eL	00 24 43
	F	00.6
TUC	iP	00 26 35
	i	26 43
	eL	35 54
	F	00.8
Feb. 8		
BC	i	00 00 55.5
	i	01 22
	i	01 40.5
HUAN	eL	00 33 54
	F	01.0
TUC	iP	00 01 51
	eL	39 52
	F	00.9

Date and Station		Phase (GCT)
		h m s
Feb. 8		
BC	iP	02 05 54
	i	07 55
GC	e	02 06 05
	i	06 11
PF	iP	02 05 56.5
	i	07 57
SH	i	02 05 39.5
TUC	iP	02 06 00
	epP	07 58
	F	02.2
Feb. 8, H_{P-H} = 13 54 54* Probable epicenter Loyalty Islands region.		
BC	iP	14 08 05.5
	i	08 17
PF	iP	14 08 08
	i	08 19.5
SH	iP	14 07 41
TUC	iP	14 08 12
	eL	40 08
	F	Lost.
Feb. 8		
BC	iP	14 12 13
	i	12 22.5
PF	iP	14 12 15
	i	12 24
SH	iP	14 11 31
TUC	iP	14 12 19
	F	Lost.
Feb. 8		
BC	iP	14 49 32
	i	49 41.5
HUAN	e	14 56 32
	eL	15 03 17
	F	15.6

Date and Station		Phase (GCT)
		h m s
Feb. 8		
PF	iP	14 49 34
TUC	iP	14 49 39
	eL	15 21 50
	F	15.9
Feb. 8		
TUC	iP	17 13 14.0
	iP	13 14.8
	iS	13 36.3
	F	17.3
Feb. 8		
TUC	iP	20 08 36.5
	iS	08 41.2
	F	20.2
Feb. 9		
SJ	iP	00 25 56
	iS	26 05
	i	26 07
	iL	26 12
	F	00.5
Feb. 9		
TUC	iP	22 21 48.7
	i	21 51.6
	i	22 06.0
	i	22 15.0
	F	22.4
Feb. 10		
HUAN	iP	02 54 36
	i	54 40
	i	54 58
	i	55 19
	i(L)	55 32
	F	03.0
OV	iP	03 03 24
TUC	iP	03 02 47
	F	03.1
Feb. 10, H_{P-H} = 04 57 50 Epicenter in the region 41½° N., 142° E. Off northeast coast of Honshu, Japan. Depth about 70 km. Mag. 7.3.		

Date and Station		Phase (GCT)
		h m s
Feb. 10, cont.		
BER	e	05 16 12
	e	20 07
	iPS	23 33
	e	29 58
	iSS	31 40
	i	34 31
	eL	40 05
	F	07.6
T_S= 13s. A max.= 2.2mm. T_L= 20s. A max.= 1.9mm.		
BC	iP	05 09 38.3
	i	09 41
	i	09 57.2
	iPP	12 18
	i	12 54
	eS	19 13
	e	19 29
	iP'P'	37 58
BOZ	eP	05 09 20
	e	09 34
	ePP	10 24
	iS	18 31
	eScS	19 10
	i	20 04
	iSS	22 54
	i	26 44
	eL	28 30
	F	07.0
BUT	eP	05 09 21
	e	10 18
	eS	18 05
	i	18 17
	iScS	19 12
	i	21 45
	eL	26 25
	F	06.8
CHI	eP	05 10 26
	e	11 06
	ePP	13 56
	e	14 14
	iS	20 50
	e	21 12
	e	21 38
	iSS	26 44
	eSSS	30 04
	eL	34 52
	F	07.0

Date and Station		Phase (GCT) h m s
Feb. 10, cont.		
COL	e	05 07 07
	i	07 20
	eS	12 44
	e	13 30
	iScS	16 35
	eL	17 48
	F	06.6
COLU	e(P)	05 11 22
	ePP	15 08
	eS	21 50
	e	30 10
	eL	44 14
	F	07.2
GC	eP	05 08 36
	iP	08 39
	ipP	08 59
	i	11 23
	i	12 15
	eS	17 15
	esS	17 51
	e	18 38
	i	23 18
	iP'P'	37 18
HON	eP	05 07 36
	iS	14 47
	eL	20 19
	F	06.3
T_S= 15s. A = 7.8mm.		
T_L= 25s. A max.= 10.7mm.		
T_L= 19s. A = 5.1mm.		
HUAN	eP	05 17 10
	e	17 15
	e	18 00
	ePP	20 12
	i	20 46
	i	21 14
	i	22 16
	e	27 56
	eSS	37 56
	eSSS	43 20
	eL	46 42
	F	07.8

Date and Station		Phase (GCT) h m s
Feb. 10, cont.		
LOG	iP	05 09 30
	i	09 49
	i	12 49
	iS	18 57
	iScS	19 33
	i	22 50
	eL	27 05
	F	07.0
OV	iP	05 09 37
	i	09 39.5
	i	09 53.5
	iPPP	14 09
	iS	19 17
	iSKS	20 02
	iP'P'	37 24
PHIL	eP	05 11 02
	ePP	14 53
	iSKS	21 32
	iPS	22 29
	eSS	28 00
	eL	37 36
	F	07.4
PF	iP	05 09 39
	i	09 40
	i	09 42.5
	i	09 56.5
	eS	19 09
	iS	19 21
	i	22 39
	i	33 49
	i	36 49
	iP'P'	37 07
RC	iP	05 09 47
	iS	19 25
	i	19 41
	iScS	20 02
	i	20 19
	i	21 40
	eSS	24 18
	e	25 32
	eSSS	27 44
	eL	30 08
	F	06.4
SLC	eP	05 09 32
	e	10 07
	eS	18 59

Date and Station		Phase (GCT) h m s
Feb. 10, cont.		
SLC, cont.		
	i	05 19 28
	i	19 52
	i	20 54
	i	21 14
	eL	27 06
	F	07.5
SJ	ePP	05 17 32
	i	18 40
	eS	25 10
	e	26 12
	ePS	27 00
	eSS	33 27
	i	33 50
	eL	46 40
	F	06.9
SH	eP	05 08 51.4
	iP	08 54
	ipP	09 09
	iPP	11 38
	iS	17 49.5
	esS	18 21
	isPS	19 24
	eSS	22 11
	eSSS	25 40
	eP'P'	37 01
SIT	e	05 12 35
	e	14 32
	i	18 25
	e	18 27
	eL	20 05
	F	06.5
TUC	iP	05 10 05
	ipP	10 23
	iPP	13 16
	iS	20 05
	e	21 10
	e	23 16
	eSS	25 40
	eP'P'	36 51
	e	40 18
	eL	43 36
	F	07.5
UK	eP	05 09 03
	iS	17 56
	eL	25 48
	F	07.0

Date and Station	Phase	(GCT)
		h m s
Feb. 10		
BC	iP	05 24 11
	i	24 21
OV	iP	05 24 09
PF	iP	05 24 12
	i	24 24
SH	iP	05 23 23
	i	23 42
	i	23 53
	iS	32 22
TUC	iP	05 24 37
	i	24 47
	F	Lost.
Feb. 10		
TUC	iP	21 51 18.2
	iP	51 19.0
	iS	51 33.5
	iS	51 35.5
	F	21.9
Feb. 10		
SJ	e(L)	22 04 27
	F	22.2
Feb. 11		
BC	iP	01 32 42
	i	32 52
GC	eP	01 31 46.5
	iP	31 52.5
OV	eP	01 32 40
	e	32 48
	iP	32 53
PF	iP	01 32 43
	i	32 51.5
	i	32 55.5
SH	iP	01 31 54.8
	i	32 07
TUC	eP	01 33 08
	i	33 18
	i	33 21
	F	01.6

Date and Station	Phase	(GCT)
		h m s
Feb. 11		
BC	iP	03 48 21
	i	48 38
GC	i	03 47 15.5
	i	47 19
	i	47 39
OV	iP	03 48 19
	i	48 28
	i	48 35
PF	iP	03 48 22.5
	i	48 39
SH	iP	03 47 34
	i	47 50.5
TUC	iP	03 48 48
	i	49 04
Feb. 12, H_{P-H} = 16 24 40* Epicenter in the region 32° S., 72° W. Near northwest coast of Chile. Felt.		
BC	eP	16 36 46
	iP	36 48
	i	37 02
GC	eP	16 37 42
	i	37 58
HUAN	e	16 29 14
	i	29 32
	i	30 10
	eS	32 51
	i	33 13
	eL	34 53
	F	16.8
OV	eP	16 36 47
	iP	36 49
	i	37 05
PF	iP	16 36 43
	i	37 04
SH	iP	16 37 24
	i	37 39

Date and Station	Phase	(GCT)
		h m s
Feb. 12, cont.		
TUC	eP	16 36 15
	i	36 18
	i	36 38
	F	16.7
Feb. 13, H_{P-H} = 11 27 13* Epicenter in the region 34° N., 39° W. Atlantic Ocean, southwest of Azores.		
BER	eP	11 32 11
	eS	35 56
	iS	36 07
	i(L)	36 19
	F	12.6
T_S= 13s. A = 2.1mm. T_L= 9s. A max.= 4.9mm.		
BC	iP	11 37 27.5
BOZ	eL	11 53 52
	F	12.1
CHI	eS	11 40 30
	eL	43 29
	F	12.0
COLU	eS	11 39 46
	eL	42 08
	F	11.9
GC	iP	11 37 16.5
	i	37 27.5
HUAN	eS	11 44 46
	eL	50 51
	F	12.2
LOG	eL	11 55 46
	F	12.3
OV	iP	11 37 23.5
PHIL	e	11 34.0
	eL	41 00
	F	12.3
PF	iP	11 37 22.5

Date and Station		Phase (GCT)
		h m s
Feb. 13, cont.		
SLC	ePPP	11 40 26
	e	40 48
	e	40 54
	i	41 44
	eL	53 25
	F	12.2
SJ	e	11 33 14
	eS	37 51
	eL	39 05
	F	Lost.
SH	iP	11 37 49.5
TUC	eP	11 37 16
	e	40 12
	eL	55 58
	F	12.5
Feb. 13		
BC	iP	12 19 47
OV	eP	12 19 50.5
PF	iP	12 19 49.5
SH	iP	12 19 05.5
TUC	iP	12 19 52
	F	12.4
Feb. 13		
BC	eP	13 06 17
HUAN	e	13 05 22
	eL	14 19
	F	13.3
OV	eP	13 06 19
PF	iP	13 06 17
TUC	iP	13 05 51
	F	13.1
Feb. 13		
BC	iP	13 35 45.7
	i	36 08.7
	eS	38 03.7
	iS	38 11.7

Date and Station		Phase (GCT)
		h m s
Feb. 13, cont.		
BOZ	eL	13 43 16
	F	13.8
CHI	eL	13 46 42
	F	13.9
LOG	i	13 41 04
	i	41 23
	i	41 32
	eL	42 01
	F	13.9
OV	e	13 35 50.2
	i	35 52
	i	37 50
	eS	38 14
	iS	38 21
PHIL	e	13 47 05
	eL	50 40
	F	14.1
PF	iP	13 35 45
	i	35 50
	e	37 16
	eS	37 49
	iS	38 09
RC	e	13 42 01
	i	43 16
	e	44 48
	F	13.9
TUC	iP	13 34 51
	i	35 07
	eS	35 49
	i	35 59
	i(L)	36 01
	F	13.9
Feb. 14, H_{p-H} = 03 01 15 Epicenter approximately 44.7° N., 115.4° W. Idaho. Felt in Montana, Washington, and Oregon. Mag. 6.		
BC	iP	03 03 22.6
	i	03 27.4
	i	03 52.1

Date and Station		Phase (GCT)
		h m s
Feb. 14, cont.		
BC, cont.		
	i	03 03 57.1
	e	04 40.6
	eS	05 09.6
	e	05 41.5
	i	05 49.6
BOZ	eP	03 02 04
	iP	02 08
	i	02 32
	iS	02 43
	i	02 46
	eL	03 20
	F	03.2
BUT	iP	03 01 54
	eL	03 06
	F	03.2
CHI	eL	03 11 41
	F	03.2
GC	iP	03 02 19.1
	i	02 22.4
	i	02 34.4
	iS	03 09.2
	i	03 14.5
	i	03 18
	i	03 26
	i	03 37
LIN	e	03 08 35
	eL	08 58
	F	03.2
LOG	eP	03 02 13
	iP	02 17
	F	03.4
OV	iP	03 03 14.5
	i	03 22.1
	i	03 42
	i	03 51.9
	eS	05 08
	i	05 27
PHIL	eL	03 16 09
	F	03.4

Date and Station		Phase (GCT)
		h m s
Feb. 14, cont.		
PF	eP	03 03 21.3
	iP	03 25.7
	e	03 43.3
	i	03 51.3
	eS	05 00.3
	e	05 29.3
	i	05 38.3
RC	iP	03 03 20
	i	03 53
	i	04 10
	i	04 44
	iS	05 21
	i	05 46
	F	03.2
SLC	iP	03 02 33
	i	02 38
	iS	03 24
	i	03 32
	i	03 40
	F	03.2
SH	iP	03 02 52.7
	i	03 12.2
	i	03 16.1
	i	03 19.3
	iS	04 21
	e	04 44
	i	04 52
	i	05 01
TUC	iP	03 04 20
	i	04 24
	i	04 43
	iS	06 52
	i	07 24
	eL	07 38
	F	03.3
Feb. 14		
TUC	eP	04 02 09.5
	i	02 26.0
	eS	03 20.5
	F	04.6
Feb. 14		
TUC	iP	16 51 48.5
	i	51 49.5
	iS	52 11.3
	F	16.9

Date and Station		Phase (GCT)
		h m s
Feb. 14		
TUC	iP	19 34 16.4
	i	34 17.0
	iS	34 38.5
	F	19.6
Feb. 14		
TUC	iP	23 47 00
	i	00 00 08
	i	01 02
	eL	28 26
	F	00.8
Feb. 15		
HUAN	eL	00 19 52
	F	01.0
Feb. 16, H_{P-H} = 08 15 09 By Pasadena 34°12' N., 117°09' W. Near Lake Arrowhead, Calif.		
BC	iP	08 15 58.3
	eS	16 31.8
OV	iP	08(19)09.3
	eS	(19)58.3
PF	eP	08 15 00.5
	e	15 09
	eS	15 49.5
	e	15 51.5
TUC	e	08 17 02
	eL	18 04
	F	08.3
Feb. 17		
TUC	iP	00 44 19.4
	iS	44 36.7
	F	00.8
Feb. 17		
BC	iP	18 54 57.5
	i	55 09.5
OV	iP	18 55 01
PF	eP	18 54 59
TUC	eP	18 54 59
	i	55 11
	eL	19 30 14
	F	19.9

Date and Station		Phase (GCT)
		h m s
Feb. 17, H_{P-H} = 22 35 18* Probable epicenter in region of Japan.		
BC	eP	22 47 30
	i	47 41.5
	i	47 46
GC	eP	22 46 43
	iP	46 44.5
	i	47 12
OV	iP	22 47 30
	i	47 43
	i	47 48
PF	eP	22 47 33
	i	47 48
SH	iP	22 46 44
	i	46 59
TUC	eP	22 47 58
	i	48 09
	i	48 11
	eL	23 16 17
	F	23.5
Feb. 18, H_{P-H} = 06 46 25 Epicenter in the region 7° N., 82° W. Off coast of Panama.		
BER	eP	06 52 41
	eS	57 41
	eL	07 00 30
	F	07.7
T_L= 17s. A max.= 1.4mm.		
BC	e	06 54 10.5
	e	54 13
CHI	eS	06 58 42
	eL	07 01 30
	F	07.4
COLU	eL	06 56 45
	F	07.3
GC	eP	06 55 30.5

Date and Station		Phase (GCT)
		h m s
Feb. 18, cont.		
HUAN	iP	06 51 02
	iPP	51 33
	i	53 17
	e	54 16
	iS	54 54
	iL	56 13
	F	07.6
LOG	eP	06 54 29
	e	07 03 14
	eL	08 33
	F	07.5
OV	iP	06 54 14.5
PHIL	eS	06 58 33
	eL	59 33
	F	07.4
PF	iP	06 54 08.5
	e	07 00 37
SLC	e(S)	07 00 55
	eL	11 35
	F	07.5
SJ	iP	06 50 51
	eS	54 30
	iS	54 43
	eL	56 08
	F	07.5
TUC	iP	06 53 32
	i	54 59
	ePcP	55 08
	eS	59 21
	eL	07 05 04
	F	07.4
Feb. 18		
TUC	e	07 28 50
	i	29 05
	i	29 58
	iL	30 42
	F	07.6
Feb. 18		
TUC	e	09 10 08
	i	10 23
	i	11 20
	i(L)	11 43
	F	09.3

Date and Station		Phase (GCT)
		h m s
Feb. 18, H_{P-H} = 10 08 05 Epicenter in the region 42° N., 144° E. Off southeast coast of Hokkaido, Japan. Depth slightly greater than normal. Mag. 7.0.		
BER	e(PP)	10 26 35
	e(SKS)	33 04
	e	33 37
	ePS	35 25
	eSS	40 18
	eL	53 40
	F	12.5
BC	iP	10 19 45.5
	i	19 54.5
	eS	29 24
	e	30 00
BOZ	iS	10 28 40
	eL	37 08
	F	11.8
BUT	eS	10 28 28
	eScS	29 20
	e	36 17
	eL	37 52
	F	11.5
CHI	eS	10 31 02
	eSS	36 42
	e	37 34
	eL	43 42
	F	11.7
COL	eP	10 16 21
	eS	22 55
	e	26 12
	eL	28 53
	F	11.3
COLU	eSKS	10 32 00
	eS	32 32
	eL	51 12
	F	11.8
GC	eP	10 18 45
	i	21 27
	iS	27 29

Date and Station		Phase (GCT)
		h m s
Feb. 18, cont.		
HON	e	10 17 52
	e	18 39
	eS	24 48
	eL	31 26
	F	11.4
HUAN	e	10 31 06
	e	40 09
	e	48 00
	eSS	53 53
	e	11 01 37
	eL	04 05
	F	12.4
LIN	eS	10 30 33
	eL	48 15
	F	11.3
LOG	iP	10 19 46
	i	20 07
	e	21 30
	ePP	22 11
	eS	29 04
	iScS	29 46
	e	34 28
	eSSS	36 17
	eL	41 43
	F	11.9
OV	eP	10 19 45
	i	20 03
	iS	29 23
	e	30 11
PHIL	eSKS	10 31 44
	iSKS	31 47
	iS	32 08
	eSSS	41 18
	eL	48 06
	F	12.2
PF	iP	10 19 48
	i	19 57
	i	20 18
	i	29 31
	i	29 51
	i	30 02

Date and Station		Phase (GCT)
		h m s
Feb. 18, cont.		
RC	iP	10 20 05
	i	20 43
	e	23 52
	eS	29 32
	i	29 37
	eSS	34 40
	eL	45 36
	F	11.5
SLC	e	10 19 51
	ePP	22 39
	iS	29 13
	eSS	33 57
	e	37 45
	eL	38 49
	F	12.0
SJ	e	10 30 30
	ePS	37 23
	eSS	43 24
	e	47 20
	eL	54 17
	F	12.1
SH	eP	10 18 59
	iP	19 11.5
	iS	27 57
	i	28 53
	i	29 01
	e	29 58
SIT	eP	10 17 28
	iS	24 48
	i	28 36
	eL	28 50
	F	11.8
TUC	eP	10 20 12
	i	20 22
	i	22 59
	iPP	23 34
	eS	30 15
	e	31 09
	eSSS	39 09
	eL	42 30
	F	11.7
UK	eP	10 19 12
	eS	28 06
	eL	35 52
	F	12.5

Date and Station		Phase (GCT)
		h m s
Feb. 18		
BC	eP	13 23 02.5
CHI	eL	14 08 22
	F	15.7
HUAN	e	13 34 14
	e	35 53
	e	41 23
	eL	56 16
	F	14.6
OV	eP	13 23 04
PF	eP	13 23 03.5
SLC	eL	13 53 28
	F	14.4
SJ	eL	14 09 08
	F	14.3
SH	eP	13 22 09
TUC	eP	13 23 01
	i	23 07
	e	33 49
	eL	50 15
	F	14.8
UK	eL	13 46 04
	F	14.3
Feb. 18		
OV	iP	18 27 02.5
SH	iP	18 25 48
TUC	iP	18 26 05
	epP	28 03
	F	18.5
Feb. 20, H_{P-H} = 09 35.8 By Pasadena 32° N., 115½° W. Baja Calif.		
BC	iP	09 37 17.7
	iS	38 19.4
OV	iP	09 37 04.6
	e	38 09.6
	i	38 34.6

Date and Station		Phase (GCT)
		h m s
Feb. 20, cont.		
PF	iP	09 37 00.5
	i	37 04
	e	38 23
TUC	iP	09 36 51
	i	37 09
	i	37 49
	i	38 10
	eL	38 31
	F	09.7
Feb. 20		
BC	eP	12 05 11.5
GC	i	12 03 58
	i	04 01
	i	04 06
	i	05 40
OV	eP	12 05 10
PF	eP	12 05 16
SH	iP	12 03 25
	i	03 27
TUC	eP	12 06 16
Feb. 20, H_{P-H} = 15 43 30* Probable epicenter off coast of Guatemala.		
BC	iP	15 49 45
GC	e	15 51 17
PHIL	eL	16 01.0
	F	16.2
PF	iP	15 49 41
	e	59 34
SJ	eL	15 54 25
	F	16.1
TUC	iP	15 49 02
	i	49 15
	i	49 27
	e	50 05
	eS	53 51
	eL	56 03
	F	16.3

Date and Station		Phase (GCT) h m s
Feb. 20		
SJ	eL	15 57 47
	F	16.3
Feb. 20		
BUT	eL	17 30 32
	F	17.6
GC	iP	17 25 55.8
	i	26 02.2
	i	27 47
OV	iP	17 27 03.5
PHIL	eL	17 45 25
	F	17.9
PF	iP	17 27 11
SH	iP	17 25 21
	i	26 10
TUC	eP	17 28 11
	eL	33 56
	F	17.7
Feb. 20		
TUC	iP	18 30 15.0
	iS	30 37.5
	F	18.6
Feb. 21		
OV	e	09 36 34
	e	36 46
PF	eP	09 36 33
	e	36 41
TUC	eP	09 33 01.5
	iS	33 30.0
	F	09.7
Feb. 22		
BC	eP	03 35 13.5
OV	iP	03 35 19.5
	e	40 16
Feb. 22, cont.		
TUC	eP	03 34 09
	e	37 32
	e	37 33
	eL	38 44
	F	03.8
Feb. 22		
BC	iP	22 55 03.5
OV	iP	22 55 03
PF	iP	22 55 06
TUC	iP	22 56 36
Feb. 23		
BC	eP	03 09 06.5
OV	iP	03 09 05.2
PF	iP	02 09 09.5
SH	iP	02 08 02
TUC	iP	02 09 46
	i	09 57
	eL	29 04
	F	02.6
Feb. 24		
BC	e	05 16 39
PF	iP	05 16 22.5
	i	16 42.5
TUC	eP	05 17 02
	i	17 22
Feb. 25		
BC	eP	10 51 43.5
GC	eP	10 50 30
PF	eP	10 51 50
SH	e	10 50 00
TUC	e	10 52 54
Feb. 26		
BC	eP	15 45 16
Feb. 26, cont.		
BOZ	eL	16 02 08
	F	16.2
HUAN	e	15 43 34
	eL	50 50
	F	16.2
OV	e	15 45 25
PF	eP	15 45 16.5
TUC	eP	15 44 48
	e	46 32
	eL	55 32
	F	16.3
Feb. 26		
BC	eP	17 27 45.4
	iP	27 47.2
RC	eL	17 37 29
	F	17.7
TUC	iP	17 26 46
	i	26 56
	i	27 19
	e(S)	30 19
	eL	31 09
	F	17.7
Feb. 26		
BC	iP	20 16 04
	i	16 15.5
GC	eP	20 14 59
	i	15 14.5
OV	iP	20 15 58.5
	i	16 14.5
PF	iP	20 16 01
	i	16 18
	i	19 05
SH	iP	20 15 14
	i	15 28.5
TUC	iP	20 16 25
	i	16 42

Date and Station		Phase (GCT)
		h m s
Feb. 26, H_{P-H} = 22 14 24 Epicenter in the region 26° N., 143° E. Bonin Islands region. Mag. 7.1.		
BER	ePP	22 34 12
	e	41 09
	ePS	43 22
	eSSS	54 23
	eL	23 02 04
	F	00.7
BC	iP	22 26 56
	iPP	30 14
	eSKS	37 17
	eS	37 32
	ePKKP	45 15
	eP'P'	53 04
BOZ	eP	22 26 46
	eS	36 40
	e	38 11
	eSSS	46 19
	eL	48 26
	F	00.3
BUT	e(P)	22 26 41
	eS	37 06
	e	37 38
	e	38 53
	eL	48 20
	F	23.6
CHI	eS	22 32 05
	e	38 32
	e	40 47
	eL	57 38
	F	00.0
COLU	e(L)	22 59 28
	F	00.0
GC	iP	22 26 12
	i	27 51
	e	34 55
	e	36 01
HON	eP	22 23 53
	ePP	26 13
	ePPP	27 04
	e	28 16

Date and Station		Phase (GCT)
		h m s
Feb. 26, cont.		
HON, cont.		
	eS	22 31 22
	eSS	35 37
	eL	36 32
	F	23.9
T_S= 17s. A = 2.5mm.		
T_L= 15s. A max.= 4.3mm.		
T_L= 19s. A = 3.6mm.		
HUAN	eP'	22 33 48
	e	36 19
	ePP	37 41
	e	38 05
	eSS	56 11
	eL	23 13 10
	F	00.5
LOG	eP	22 26 54
	iPP	30 19
	i	30 50
	eS	37 13
	eSS	43 12
	eL	48 53
	F	23.1
OV	iP	22 26 56.5
	iPP	30 14
	eSKS	37 21
	eS	37 33
	eScS	37 53
	ePKKP	45 14
	iP'P'	53 19
PF	iP	22 26 58.5
	iPP	30 05
	eSKS	37 27
	iS	37 36
	eScS	37 51
	iP'P'	53 16
RC	eP	22 27 18
	e	29 41
	ePP	30 28
	eS	37 50
	eSS	43 42
	eSSS	47 32
	eL	52 28
	F	23.8

Date and Station		Phase (GCT)
		h m s
Feb. 26, cont.		
SLC	eP	22 27 07
	i	27 33
	eS	37 15
	e	43 19
	eL	49 13
	F	00.0
SJ	e(PP)	22 35 59
	e	42 32
	ePS	45 40
	eSS	52 16
	eL	23 07 20
	F	23.6
SH	iP	22 26 16
	i	26 35
	eS	35 54
	i	36 15
	i	36 28
SIT	eP	22 25 07
	eS	33 48
	iS	34 23
	e(SS)	38 20
	eL	41 00
	F	23.9
TUC	iP	22 27 19
	i	27 34
	iPP	30 52
	iPPP	32 48
	eS	38 07
	eSS	43 33
	e	48 36
	eP'P'	53 06
	eL	53 54
	F	01.0
UK	eP	22 26 40
	eS	36 06
	eL	49 28
	F	00.8
Feb. 26		
BC	iP	23 26 56.5
OV	iP	23 26 57
PF	iP	23 26 59.5
SH	iP	23 26 17
	i	26 36.5

Date and Station	Phase	Phase (GCT)
		h m s
Feb. 26, cont.		
TUC	eP	23 27 20
Feb. 27		
BC	iP	03 17 42.5
OV	iP	03 17 42.5
PF	iP	03 17 45
	i	25 31
SH	iP	03 17 02.5
TUC	iP	03 18 06
	F	03.4
Feb. 27, H_{P-H} = 07 16 23* Epicenter in the region 15° N., 95° W. Bay of Tehuantepec, Mexico.		
BC	iP	07 22 04.3
	e	30 06
	e	31 03
BOZ	eS	07 28 23
	eL	30 18
	F	07.9
GC	iP	07 23 40
	i	23 50
HUAN	eS	07 28 32
	eL	31 31
	F	08.0
LOG	eL	07 32 54
	F	07.8
OV	iP	07 22 06
	e	30 48
	e	31 09
	e	31 35
PF	iP	07 22 01
	e	30 26
	i	30 46
	e	31 34
	e	31 53
	eL	33 09

Date and Station	Phase	Phase (GCT)
		h m s
Feb. 27, cont.		
SLC	eL	07 32 01
	F	07.8
SH	iP	07 23 09
TUC	iP	07 21 18
	i	21 39
	eS	25 26
	e	25 54
	eL	27 46
	F	07.9
Feb. 27, H_{P-H} = 09 06 53 By Pasadena 32.0° N., 115.5° W. Baja Calif.		
BC	e	09 09 10
OV	iP	09 08 07
	i	09 21.5
PF	iP	09 08 03
	i	09 06
TUC	e	09 07 54
	i	08 10
	i	08 35
	e	08 52
	eL	09 33
	F	09.2
Feb. 27		
BC	e	13 24 28
PF	iP	13 17 35
	e	18 35
	e	25 24
	i	25 31
TUC	iP	13 17 36
Feb. 28		
BC	eP	03 08 29.5
GC	eP	03 07 45
OV	eP	03 08 29
	i	11 30
PF	iP	03 08 32.5
	i	11 42.5

Date and Station	Phase	Phase (GCT)
		h m s
Feb. 28, cont.		
SH	iP	03 07 49.5
	i	08 06.5
	e	14 01
	e	14 47
TUC	iP	03 08 53
	i	09 10
	e	12 13
Feb. 28		
BC	iP	13 01 10.5
	e	03 34
OV	iP	13 01 09.5
PF	iP	13 01 13
	e	10 00
SH	iP	13 00 16.5
TUC	iP	13 01 43
Mar. 1		
SJ	eL	01 25 13
	F	01.5
Mar. 1		
HUAN	e	02 12 06
	e	14 00
	eL	16 37
	F	02.9
Mar. 1, H_{P-H} = 11 19 58 By Pasadena 32°03' N., 116°09' W. West of Sierra Juarez, Baja Calif.		
BC	iP	11 21 02.6
	eS	22 11.9
OV	iP	11 21 11.5
	eS	22 30.6
PF	iP	11 21 07.7
TUC	iP	11 21 06
	i	21 13
	i	21 22
	i(S)	22 08
	iL	22 31
	F	11.4

Date and Station	Phase	Phase (GCT) h m s
Mar. 2		
BOZ	e	10 15 48
	eL	22 16
	F	10.9
Mar. 2, H_{P-H} = 10 39 25 Epicenter in the region 42° N., 36° E. Near northern coast of Turkey.		
GC	eP	10 52 36
HUAN	eL	11 42 22
	F	12.0
SJ	eL	11 17 05
	F	11.9
TUC	eP	10 53 31
	eL	11 35 05
	F	12.1
Mar. 2		
BC	iP	19 46 10.5
	i	47 59
GC	iP	19 45 29
	e	47 16
PF	iP	19 46 12.8
SH	iP	19 45 32.5
	i	47 20
TUC	iP	19 46 33
	ipP	48 24
	F	19.8
Mar. 2, H_{P-H} = 19 42 30* Epicenter in the region 25° N., 143° E. Bonin Islands region. Depth about 500 km.		
BC	iP	19 54 16.4
	epP	56 08
	i	20 03 50
	e	04 04
Mar. 2, cont.		
GC	iP	19 53 35
	i	53 56
	epP	55 19
	iS	20 02 40
	i	02 54
OV	iP	19 54 16.8
PF	iP	19 54 18.6
	epP	56 13.0
SH	eP	19 53 37.5
	i	54 38.5
	i	54 44
	ipP	55 26
	i	56 18
	i	56 23
	iS	20 02 49
	i	02 58
TUC	iP	19 54 39
	ipP	56 33
	ePP	58 09
	eS	20 04 22
	e	04 45
	F	20.1
Mar. 2		
RC	eP	20 04 10
	iS	04 35
	F	20.1
Mar. 3		
SJ	eL	00 57 05
	F	01.3
TUC	eL	01 07 50
	F	01.4
Mar. 3, H_{P-H} = 14 13 10 By Pasadena 32°58' N., 116°00' W. Near Borego Valley, Calif.		
BC	eP	14 14 06
TUC	e	14 14 34
	i	14 46
	eL	15 37
	F	14.3
Mar. 5		
SJ	eP	04 11 43
	e	12 03
	iS	12 10
	i	12 17
	F	04.3
Mar. 5		
BC	iP	09 31 17.5
	i	32 11
GC	e	09 31 21
SH	i	09 31 57
	i	32 52.5
TUC	iP	09 31 26
	i	32 24
	F	09.5
Mar. 5		
HON	e	10 31 18
	i	31 26
	iS	31 47
	e	32 15
	iL	32 36
	F	10.6
Mar. 5, H_{P-H} = 12 17 05* Epicenter in the region 19° S., 172° W. Tonga Islands region. Depth about 100 km.		
BC	eP	12 28 50
GC	eP	12 29 15
HUAN	e(PP)	12 35 56
	ePS	42 18
	eSS	47 43
	eL	13 01 16
	F	13.5
SH	eP	12 28 42
	e	28 53
TUC	iP	12 28 56
	i	29 00
	i	29 22
	eL	56 16
	F	13.7

Date and Station		Phase (GCT) h m s
Mar. 5		
RC	eL	23 05 12
	F	23.1
Mar. 6		
BC	iP	03 34 07
SH	iP	03 33 26
TUC	iP	03 34 30
	i	34 42
Mar. 6		
HUAN	e(P)	15 21 56
	e	29 03
	e	31 31
	e	38 46
	eL	40 47
	F	16.1
Mar. 6		
TUC	iP	15 45 34
	i	45 43
	ipP	47 21
	F	15.8
Mar. 7		
COL	eL	01 05 56
	F	01.2
Mar. 7		
GC	e	07 55 42
	e	55 53
SH	iP	07 56 10.5
TUC	iP	07 57 36
	i	57 50
Mar. 7		
BC	iP	17 18 59.9
PF	iP	17 19 03.1
	iS	19 13.5
TUC	iP	17 19 36
	i	19 48
	F	17.4
Mar. 7		
TUC	eP	19 59 43
	F	20.0

Date and Station		Phase (GCT) h m s
Mar. 7		
SJ	e	20 06 50
	eL	10 20
	F	20.8
TUC	eP	20 03 06
	eL	18 12
	F	20.5
Mar. 9, H_{P-H} = 00 21 40* Probable epicenter Samoa Islands region.		
BC	iP	00 32 58.9
	i	34 20.2
GC	iP	00 33 15.5
PF	iP	00 32 53
	i	33 01.9
SH	iP	00 32 44
	i	39 07
TUC	iP	00 33 05
	i	34 26
	F	00.6
Mar. 9		
BC	eP	08 51 40
TUC	iP	08 50 57
Mar. 9		
BC	i	14 13 20
	e	13 28
TUC	eP	14 13 48
Mar. 9, H_{P-H} = 21 03 22* Probable epicenter off coast of Peru.		
HUAN	eP	21 04 44
	i	05 31
	i	05 45
	iL	05 48
	F	21.2
TUC	iP	21 12 20
	i	12 39
	F	21.3

Date and Station		Phase (GCT) h m s
Mar. 10		
BC	eP	01 01 20
SJ	e	01 03 18
	ePP	07 22
	ePPS	19 49
	eL	02 02 18
	F	02.8
TUC	iP'	01 01 31
	e	02 48
	e	14 53
	eL	39 23
	F	02.1
Mar. 10		
BC	iP	13 49 29.4
PF	eP	13 49 24.5
TUC	eP	13 48 44
	eL	59 03
	F	14.1
Mar. 11, H_{P-H} = 00 01 31 By Pasadena 34°00' N., 116°13' W. Little San Bernardino Mts., Calif. Mag. 3.2.		
TUC	e	00 03 02
	eL	04 07
	F	00.1
Mar. 11, H_{P-H} = 00 20 03 By Pasadena 33°52' N., 116°12' W. Little San Bernardino Mts., Calif. Mag. 3.8.		
BC	iP	00 20 41.8
	i	20 46.9
	iS	21 18.3
PF	iP	00 20 48.9
	i	20 59.2
	iS	21 34.8

Date and Station		Phase (GCT)
		h m s
Mar. 11, cont.		
TUC	e	00 20 20
	i	20 33
	i	21 01
	i	21 14
	i	21 38
	eL	22 10
	F	00.4
Mar. 11		
BC	iP	05 25 48
OV	e	05 27 53
PF	iP	05 25 47.0
TUC	eP	05 24 50
	i	25 08
	eL	28 43
	F	05.6
Mar. 11		
BC	eP	18 03 27.7
	e	03 40.6
GC	eP	17 58 52
	e	59 11
	e	18 02 39
	i	03 24
	iSKS	09 22
	iS	09 56
	e	10 48
HUAN	eP'	18 04 44
	e	07 28
	e(PP)	09 23
	e	10 13
	e	20 25
	eSS	28 39
	e	29 56
	eL	58 52
	F	19.3
OV	eP	18 03 28
PF	eP	18 03 27.7
	e	03 50.8
SJ	e	18 05 10
	e	09 14
	F	18.8

Date and Station		Phase (GCT)
		h m s
Mar. 11, cont.		
SH	eP	17 58 53.5
	e	18 03 17
	i	08 47
	iS	09 26
	e	09 57
TUC	ePP	18 03 19
	e	03 37
	e	03 54
	i	04 55
	i	14 03
	eL	37 33
	F	18.9
Mar. 11		
BC	e	18 14 29.8
	e	14 39.9
HUAN	i(P)	18 15 49
	i	15 53
	F	Lost.
OV	e	18 14 38
PF	eP	18 14 26.5
	e	14 36.3
SH	iP	18 15 09
TUC	iP	18 14 19
Mar. 11		
BC	iP	20 16 53.5
	e	17 08.9
OV	e	20 16 52.4
PF	i	20 16 55.9
SH	iP	20 15 09
TUC	iP	20 15 36

Mar. 11, H_{P-H} = 21 37 49
Epicenter in the region 37½° N., 142½° E. Off east coast of Honshu, Japan. Depth slightly greater than normal. Mag. 7.2.

Date and Station		Phase (GCT)
		h m s
Mar. 11, cont.		
BER	e(PP)	21 56 13
	ePS	22 04 04
	e	05 35
	e	11 47
	e	15 40
	eL	21 33
	F	00.1
T_L= 20s. A = 4mm.		
BC	iP	21 49 48.7
	eS	59 43
	e	22 00 19
BOZ	ePP	21 56 30
	e	59 06
	eL	22 10 24
	F	23.9
BUT	eS	21 58 41
	eScS	59 25
	eL	22 11 24
	F	22.9
CHI	eS	22 01 04
	esS	01 34
	eSS	07 28
	eL	19 08
	F	23.6
COL	eP	21 46 37
	ePPP	49 10
	eS	53 27
	e	53 48
	e	54 08
	eSS	57 23
	eL	22 00 59
	F	23.3
COLU	ePP	21 55 29
	eSKS	22 02 06
	eSS	10 06
	eL	23 29
	F	23.8
GC	eP	21 48 50.5
	iP	48 52.5
	eS	58 00
	i	59 49

Date and Station		Phase (GCT)
		h m s
Mar. 11, cont.		
HON	e(P)	21 47 21
	ePP	49 07
	eS	54 52
	eL	22 01 11
	F	23.5
T_L= 8s. A max.= 2.3mm.		
HUAN	e	21 56 28
	e	59 33
	ePP	59 53
	i	22 01 04
	e	14 07
	eSS	18 19
	eSSS	23 39
	e	30 42
	eL	38 06
	F	00.3
LOG	eP	21 49 43
	ipP	50 16
	ePP	52 39
	eS	59 36
	e	22 05 48
	e	08 42
	eL	12 27
	F	22.9
OV	i	21 50 48.4
PHIL	iSKS	22 01 56
	eS	02 27
	eSS	09 16
	eL	17 56
	F	00.2
PF	iP	21 49 51.0
	i	50 02.9
	e	52 45.8
RC	eL	22 24 40
	F	23.9
SLC	eS	21 59 31
	eL	22 10 35
	F	23.3
SJ	e(PP)	21 57 55
	ePP	58 20
	e	22 01 07
	e	05 20

Date and Station		Phase (GCT)
		h m s
Mar. 11, cont.		
SJ, cont.		
	e	22 07 22
	ePS	07 45
	eL	34 12
	F	00.1
SH	iP	21 49 04
	i	49 14
	i	51 39
	e	58 31
	e	59 11
	e	22 00 10
SIT	eS	21 55 18
	e	55 35
	eL	22 01 11
	(F	22.6)
TUC	iP	21 50 15
	e	50 27
	iPP	53 31
	i	53 37
	eS	22 00 38
	eSeS	01 09
	e	01 25
	e	08 11
	eL	12 28
	eP'P'	16 39
	F	23.8
UK	eS	21 58 32
	eL	22 07 16
	F	23.0
Mar. 12		
BC	iP	10 33 37.8
GC	eP	10 32 41
	i	33 07
OV	iP	10 33 38
PF	iP	10 33 40.5
SH	iP	10 32 53
TUC	iP	10 34 04

Date and Station		Phase (GCT)
		h m s
Mar. 12, H_{P-H} = 11 03 13 By Pasadena 35°11' N., 117°24' W. Northwest of Barstow, Calif. Mag. 3.2.		
BC	iP	11 03 55.4
	iS	04 24.9
	e	04 42.3
OV	e	11 04 58.6
PF	iP	11 04 00.1
	i	04 07.9
	i	04 09.6
	iS	04 45.6
TUC	e	11 05 14
	eL	06 39
	F	11.1
Mar. 13, H_{P-H} = 04 55 45* Probable epicenter Loyalty Islands region.		
BC	eP	05 08 49
HUAN	e	05 19 17
	eL	23 50
	F	05.8
SH	eP	05 08 36
TUC	iP	05 09 00
	F	05.2
Mar. 13		
SJ	eP	07 23 19
	i	23 28
	iS	23 34
	eL	24 02
	F	07.5
Mar. 13		
BC	iP	09 11 22.2
GC	eP	09 10 34
OV	iP	09 11 22
PF	e	09 11 23.7

Date and Station		Phase (GCT)
		h m s
Mar. 13, cont.		
SH	iP	09 10 12.5
TUC	iP	09 11 45
	i	13 22
	F	09.3
Mar. 14		
BC	iP	01 50 29.2
	e	51 03.6
GC	eP	01 51 57.5
	i	52 37
	i	53 32
OV	iP	01 50 30
PF	iP	01 50 24.9
SH	iP	01 51 02.5
TUC	iP	01 49 44
	i	50 03
	i	56 47
	e	02 15.3
	F	02.3
Mar. 14		
TUC	iP	04 41 42
	eL	50 17
	F	05.0
Mar. 15		
SH	iP	09 16 14
TUC	iP	09 16 28
	F	09.3
Mar. 17, H_{P-H} = 23 57 53 Epicenter approximately 6.7° N., 73.1° W. Off coast of Colombia. Felt in Panama Canal Zone. Mag. 6¾.		
BH	iP	23 58 34
	eS	59 03
	F	00 45
BER	iP	00 03 56
	i	04 25
	iPP	04 53
	e	05 40
Mar. 18, cont.		
BER, cont.		
	iS	00 08 24
	e	09 01
	iL	11 24
	F	02.1
BC	iP	00 06 06.9
	e	06 29.8
	eS	12 42
BOZ	eP	00 06 40
	e	07 20
	eS	13 26
	eL	18 20
	F	01.4
BUT	eP	00 06 45
	ePP	08 39
	eS	13 44
	e	15 23
	eL	21 24
	F	00.9
CHI	eP	00 04 58
	ePP	06 21
	e	07 31
	e	08 17
	e	10 06
	eS	10 31
	eL	12 45
	F	01.0
COL	e	00 10 05
	eS	19 28
	eSS	24 16
	e	28 16
	eL	34 09
	F	01.5
COLU	eP	00 03 43
	e	04 40
	eS	08 24
	eL	10 26
	F	01.0
GC	eP	00 07 15.5
	i	08 29
	e	09 29
	e	17 00
Mar. 18, cont.		
HUAN	iP	00 02 14
	i	02 23
	iS	05 00
	iL	05 48
	F	01.9
LIN	eP	00 05 13
	iS	11 00
	eL	14 50
	F	00.7
LOG	eP	00 06 17
	i	06 49
	i	07 13
	ePP	07 56
	eS	12 47
	eScS	16 10
	eL	17 53
	F	01.0
OV	eP	00 06 06
PHIL	iP	00 04 36
	e	04 54
	ePP	05 49
	e	09 30
	eS	09 45
	iS	09 56
	e	11 05
	eL	13 25
	F	01.8
RC	iP	00 05 56
	i	06 48
	iPP	07 37
	eS	12 20
	eL	15 28
	F	00.9
SLC	eP	00 06 16
	e	12 05
	eS	12 51
	eL	16 09
	F	01.0
SJ	eP	00 01 45
	iP	01 53
	i	02 52
	i	05 02
	iS	05 12
	eL	06 00
	F	02.0

Date and Station		Phase (GCT)
		h m s
Mar. 18, cont.		
SH	iP	00 07 02
SIT	eP	00 08 53
	e	09 38
	eS	17 43
	eSS	22 01
	eL	25 22
	F	01.4
TUC	iP	00 05 26
	i	05 35
	iPP	07 06
	iPPP	07 45
	eS	11 26
	iS	11 36
	eL	14 16
	F	00.8
UK	eS	00 14 26
	eL	24 22
	F	00.7
Mar. 18		
BH	eP	00 12 36
	iS	13 06
	F	Lost.
Mar. 18, H_{P-H} = 00 21 16* Epicenter in the region 33° S., 179° W. Kermadec Islands region.		
BC	iP	00 34 21.6
	e	34 30.5
	eS	45 19
	e	45 47
OV	eP	00 34 25
SH	iP	00 34 14
TUC	iP	00 34 22
	i	34 30
	F	00.6
Mar. 18, H_{P-H} = 08 10 11* Probable epicenter off coast of Colombia.		
BH	iP	08 10 53
	iS	11 23
	F	08 20

Date and Station		Phase (GCT)
		h m s
Mar. 18, cont.		
BC	eP	08 18 26.7
HUAN	eP	08 14 41
	eL	21 48
	F	08.5
OV	eP	08 18 28
PF	eP	08 18 22.1
SJ	eL	08 14 17
	F	Lost.
TUC	iP	08 17 45
	i	17 53
	e	20 52
	F	08.5
Mar. 18		
BER	eL	08 44 39
	F	09.3
HUAN	eL	08 51 32
	F	09.5
SJ	eL	08 46 20
	F	09.4
TUC	eL	09 11 04
	F	09.6
Mar. 18		
BC	iP	16 19 10
TUC	iP	16 19 13
	F	16.4
Mar. 18		
UK	eL	17 05 08
	F	17.5
Mar. 18, H_{P-H} = 18 54 42* Epicenter in the region 55° N., 157° W. South of Alaska Peninsula.		
BER	eS	19 13 59
	e	21 11
	eL	29 06
	F	20.3

Date and Station		Phase (GCT)
		h m s
Mar. 18, cont.		
BC	iP	19 01 31
	e	11 53
BOZ	eS	19 05 56
	eL	08 25
	F	20.0
CHI	e	19 09 46
	eScS	12 59
	eL	16 18
	F	20.3
COL	e(P)	18 57 32
	e	58 14
	e	59 14
	e(S)	59 59
	iL	19 00 24
	F	19.8
COLU	eL	19 22 27
	F	20.0
GC	iP	19 00 01
	i	04 20
	e	10 13
	i	10 56
HON	eL	19 10 45
	F	19.4
LIN	eS	19 08 42
	eL	12 28
	F	19.6
OV	e	19 02 28
PHIL	eS	19 11 38
	eScS	13 52
	eSS	15 38
	eL	20 40
	F	20.4
PF	iP	19 01 35.6
SJ	iS	19 16 06
	eL	33 25
	F	20.5
SH	iP	19 00 24
	e	11 05

Date and Station		Phase (GCT)
		h m s
Mar. 18, cont.		
SIT	eP	18 57 38
	iL	19 00 46
	F	19.9
TUC	iP	19 02 13
	iPP	03 46
	e(S)	08 49
	eL	12 24
	F	20.1
Mar. 18, H_{P-H} = 23 18 09 Epicenter in the region 38½° N., 29° W. Azores region. Felt.		
BER	eL	23 25 54
	F	00.1
BC	iP	23 28 28
PHIL	e	23 26 07
	eS	30 24
	e	32 42
	eL	35 01
	F	23.9
SJ	ePP	23 27 20
	eL	36 10
	F	00.1
TUC	eP	23 28 28
	eL	50 58
	F	00.2
Mar. 19, H_{P-H} = 13 19 20* Epicenter in the region 23° S., 72° W. Off northwestern coast of Chile.		
BC	iP	13 30 45.5
HUAN	e	13 22 43
	eS	24 09
	i	25 31
	eL	26 00
	F	13.6
MONT	eP	13 20 05
	e	20 14
	e(S)	20 39
	eL	20 54
	F	13.4

Date and Station		Phase (GCT)
		h m s
Mar. 19, cont.		
TUC	iP	13 30 16
	e	30 35
	F	13.6
Mar. 19, H_{P-H} = 20 33 00* Probable epicenter Loyalty Islands region.		
BC	iP	20 45 45.5
GC	eP	20 45 55
PF	iP	20 45 17.7
SH	iP	20 45 28.5
TUC	iP	20 45 52
	i	46 09
	F	20.8
Mar. 20, H_{P-H} = 02 50 40* Probable epicenter near coast of Peru.		
BC	iP	03 01 20
HUAN	eS	02 53 19
	eL	56 10
	F	03.1
PF	iP	03 01 19.3
TUC	iP	03 00 51
	F	03.1
Mar. 20, H_{P-H} = 07 58 53 Epicenter in the region 36½° N., 34° E. South-central Turkey. Fourteen reported killed and hundreds injured in series of quakes.		
BER	e	08 11 02
	eS	20 46
	eL	32 31
	F	09.7
BOZ	eL	08 41 36
	F	09.1

Date and Station		Phase (GCT)
		h m s
Mar. 20, cont.		
BUT	eL	08 53 29
	F	09.0
GC	eP	08 12 06.5
HUAN	ePS	08 28 16
	eL	47 00
	F	09.8
RC	eL	08 53 18
	F	09.1
SLC	eL	08 46 08
	F	09.0
SJ	eP	08 11 41
	eS	22 03
	eL	41 20
	F	09.6
TUC	eP	08 13 02
	ePP	17 12
	i	29 02
	eL	50 40
	F	09.4
Mar. 20, H_{P-H} = 21 55 07 By Pasadena 34°15' N., 116°10' W. Mojave Desert, northwest of Twentynine Palms, Calif. Felt. Mag. 5.0.		
BC	iP	21 55 43.0
	i	55 48.3
	iS	56 13.7
LOG	e(P)	21 57 05
	eS	58 02
	i(L)	59 37
	F	22.1
OV	iP	21 55 52.5
PF	iP	21 55 50.6
SH	eP	21 57 11.5
	e	57 35.5
	iS	59 20

Date and Station		Phase (GCT)
		h m s
Mar. 20		
TUC	iP	21 56 21
	i	56 42
	iS	57 18
	i	57 25
	iL	57 41
	F	22.1
Mar. 21, H_{P-H} = 12 13 50* Probable epicenter Tonga Islands region.		
TUC	eP	12 25 48
	F	12.4
Mar. 22		
SJ	eP	02 06 07
	iS	06 22
	eL	06 35
	F	02.2
Mar. 22, H_{P-H} = 04 23 43* Epicenter in the region 25° S., 69° W. Possibly slightly deeper than normal.		
HUAN	eP	04 27 16
	e	27 28
	i	27 42
	e	27 53
	eS	29 53
	iL	30 07
	F	05.2
SJ	eS	04 38 20
	eL	41 35
	F	05.0
SH	iP	04 36 06
	i	36 21
TUC	iP	04 34 57
	i	35 11
	F	04.6
Mar. 23		
TUC	eP	06 07 56
	eL	33 14
	F	06.7

Date and Station		Phase (GCT)
		h m s
Mar. 23, H_{P-H} = 08 13 25* Epicenter in the region 25° S., 69° W. North-central Chile. Possibly slightly deeper than normal.		
MONT	e	08 14 20
	iS	14 49
	eL	15 02
	F	08.3
TUC	iP	08 24 35
	i	24 54
	F	08.5
Mar. 23		
SIT	eL	16 18 38
	F	16.7
Mar. 23		
BH	iP	16 29 49
	iS	30 19
	F	16 23
Mar. 23, H_{P-H} = 23 14 15* Epicenter in the region 61° S., 155½° E. About 1100 mi. southwest of New Zealand. Mag. 7.1.		
BER	ePP	23 37 28
	i	43 42
	iSS	49 12
	i	55 47
	eL	00 11 05
	F	01.8
T_L= 17s. A = 1.4mm.		
BC	eP'	23 33 10
BOZ	e	23 53 16
	e	58 08
	eL	00 15 16
	F	01.8
BUT	eSS	23 53 13
	eL	00 18 16
	F	01.3

Date and Station		Phase (GCT)
		h m s
Mar. 23, cont.		
CHI	eSS	23 54 27
	eSSS	00 00 07
	eL	12 19
	F	01.6
COL	e	23 37 06
	e	46 17
	eSS	54 00
	eL	00 08 53
	F	02.0
COLU	e	23 37 13
	e	46 45
	eSS	54 33
	eSSS	59 01
	eL	00 18 14
	F	01.8
GC	eP	23 33 23
	ePKS	36 01
HON	e(PS)	23 40 18
	eL	51 37
	F	00.4
T_L= 19s. A max.= 2.2mm.		
HUAN	eP	23 28 16
	e	31 22
	e	37 47
	iSKS	38 28
	eS	39 09
	iPS	40 29
	iSS	45 43
	e	49 17
	eL	54 50
	F	02.1
LIN	eL	00 18 12
	F	01.3
LOG	eP'	23 33 19
	ePP	35 34
	e	38 06
	eSS	52 35
	eL	00 06 56
	F	01.9

Date and Station		Phase (GCT)
		h m s
Mar. 23, cont.		
PHIL	ePP	23 37 32
	e	47 03
	e	54 46
	e	56 00
	eSSS	00 00 35
	F	01.8
RC	e	23 34 26
	ePP	36 14
	e	43 30
	eL	00 03 46
	F	01.5
SLC	eSS	23 52 27
	eSSS	57 11
	eL	00 06 43
	F	01.9
SJ	e	23 34 03
	ePP	35 32
	e	47 32
	eSS	52 22
	eL	07 25
	F	01.9
TUC	e	23 32 32
	e	33 36
	e	43 30
	ePS	44 30
	eL	00 07 14
	F	02.8
UK	eSS	23 51 05
	eSSS	55 40
	eL	00 04 04
	F	00.9
Mar. 24		
BER	eL	14 40 22
	F	15.2
BC	iP	14 30 41.5
BOZ	eL	14 44 16
	F	15.0
COLU	e	14 33 42
	eL	37 31
	F	15.1
GC	e	14 32 13

Date and Station		Phase (GCT)
		h m s
Mar. 24, cont.		
HUAN	e	14 31 37
	eL	36 37
	F	15.2
PHIL	e	14 34 33
	e	36 11
	eL	40 09
	F	14.9
SJ	e	14 30 12
	e	33 25
	e	34 53
	iS	35 22
	eL	38 30
	F	15.7
TUC	iP	14 29 56
	i	30 11
	eS	34 18
	e	35 12
	eL	37 28
	F	14.9
Mar. 24		
BH	iP	18 35 54
	iS	36 24
	F	18 44
BC	iP	18 43 25.5
HUAN	eS	18 49 40
	eL	52 35
	F	18.9
TUC	iP	18 42 46
	i	42 52
	F	18.7
Mar. 24		
BH	iP	21 44 39
	iS	46 09
	F	21 48
Mar. 28		
BH	eP	01 58 00
	iS	58 32
	F	02 01
Mar. 28		
HUAN	e	06 37 04
	e	38 53
	e	39 05

Date and Station		Phase (GCT)
		h m s
Mar. 28, cont.		
HUAN, cont.		
	eL	06 40 09
	F	06.7
TUC	iP	06 43 06
	F	06.8
Mar. 28		
SJ	eP	08 30 25
	i	30 42
	i	30 48
	e	31 00
	F	08.7
Mar. 28		
MONT	e(S)	10 04 02
	eL	04 10
	F	10.1
SH	eP	10 15 20
	i	15 34
TUC	iP	10 14 10
	i	14 24
	F	10.3
Mar. 28		
HUAN	e	10 48 35
	e	48 53
	e	50 10
	iL	51 05
	F	11.1

Mar. 28, H_{P-H} = 13 03 06*
Epicenter in the region 5° S., 146° E. Off east coast of New Guinea. Possibly slightly deeper than normal.

GC	eP	13 16 40
SH	eP	13 16 29
TUC	eL	13 41 14
	F	14.2

Mar. 29, H_{P-H} = 04 04 17
By Pasadena 34°17' N., 116°11' W. Northwest of Twentynine Palms, Calif. Mag. 4.2.

Date and Station		Phase (GCT)
		h m s
Mar. 29, cont.		
BC	iP	04 04 53.9
	i	04 58.7
	iS	05 26.7
PF	iP	04 05 01.1
	i	05 07.8
	iS	05 31.6
SH	e	04 09 12
	i	09 36.5
TUC	iP	04 05 32
	e	05 52
	i	05 53
	e(S)	06 38
	i	06 46
	i(L)	07 11
	F	04.2
Mar. 29, H_{P-H} = 08 51 50* Probable epicenter Tonga Islands region.		
BC	iP	09 03 57.9
GC	eP	09 04 45
PF	iP	09 04 30.8
SH	iP	09 04 17.5
TUC	iP	09 04 33
	F	09.1
Mar. 29		
BC	eP	10 18 19
TUC	iP	10 17 36
	eL	28 26
	F	10.6
Mar. 29, H_{P-H} = 17 53 14 By Pasadena 34°17' N., 116°11' W. Northwest of Twentynine Palms, Calif. Mag. 3.7.		
BC	iP	17 53 50.5
	i	53 56.4
	i	54 03.2

Date and Station		Phase (GCT)
		h m s
Mar. 29, cont.		
TUC	e	17 54 41
	i	54 50
	i	55 04
	i	55 42
	i	55 53
	i	56 24
	F	18.0
Mar. 30		
BC	i	20 31 41
	i	33 00
TUC	iP	20 30 46
	i	30 52
	i	30 56
	i	31 02
	i	31 23
	iL	32 31
	F	20.6
Mar. 30		
BER	eL	21 34 52
	F	22.0
GC	eP	21 37 42
HUAN	eL	21 45 12
	F	22.1
SJ	eP	21 29 21
	i	29 25
	i	29 28
	iS	30 12
	F	21.9
SH	iP	21 37 50.5
TUC	iP	21 36 38
Mar. 31		
BH	e	06 49 37
	e	50 07
	F	06 52
Mar. 31		
BH	e	07 05 --
	F	07 10 --
Mar. 31		
BER	ePP	07 07 58
	eSSS	31 38
	eL	56 02
	F	08.5

Date and Station		Phase (GCT)
		h m s
Mar. 31, cont.		
BC	e	07 02 54
	i	15 08
	i	15 19
GC	iP	06 59 16
	iPP	07 03 17
	iS	09 56
HUAN	eP'	07 05 34
	e	20 06
	eL	59 53
	F	08.8
SJ	e	07 05 07
	e	19 09
	eL	08 00 00
	F	08.8
SH	eP	06 59 18
	ePP	07 03 26
TUC	ePP	07 04 07
	e	14 46
	i	15 02
	eL	37 11
	F	08.4
Mar. 31		
BH	e	09 50 55
	e	51 25
	F	09 54
Mar. 31		
BC	iP	13 28 57.4
TUC	iP	13 28 26
	i	28 35
	i	29 14
	i	29 42
	i	30 13
	iL	31 00
	F	13.6
Mar. 31, H_{P-H} = 18 50 45 Epicenter in the region 31° N., 114° W. Gulf of California. Mag. 5.		
BC	eP	18 52 04.2
	e	54 07.9
BOZ	eL	18 59 45
	F	19.1

Date and Station		Phase (GCT)
		h m s
Mar. 31, cont.		
CHI	eL	19 03 42
	F	19.1
LOG	e	18 54 04
	eL	56 57
	F	19.2
RC	eL	18 59 12
	F	19.0
TUC	eP	18 51 31
	i	51 45
	i(S)	52 15
	iL	53 42
	F	Lost.
UK	eL	18 57 04
	F	19.0
Mar. 31, H_{P-H} = 19 27 37 Epicenter in the region 31° N., 114° W. Gulf of California. Mag. 5.		
BC	iP	19 28 55.4
	i	29 26.5
	e	30 10.6
BOZ	eL	19 36 26
	F	19.9
CHI	eL	19 40 46
	F	19.9
GC	eP	19 32 50
	e	35 43
	e	37 23
	eS	40 18
LOG	e	19 30 25
	e(S)	33 12
	eL	34 00
	F	19.8
PF	iP	19 28 55.7
	i	29 01.8
RC	e	19 31 22
	eL	36 02
	F	19.7

Date and Station		Phase (GCT)
		h m s
Mar. 31, cont.		
SH	eP	19 33 58
	e	34 31
TUC	iP	19 28 23
	i	28 36
	i(S)	29 08
	iL	30 49
	F	19.8
UK	eL	19 33 36
	F	19.7
Mar. 31		
HUAN	eL	23 14 08
	F	23.5
SJ	eL	22 54 55
	F	23.5

Local and Minor Quakes

day	hour
COL	
Jan.	
2	06.6
11	17.7
16	04.0
21	14.1
Feb.	
12	01.8
Mar.	
26	16.9
HON	
Jan.	
27	00.0
Feb.	
10	22.6
Mar.	
10	21.6
29	01.1
HUAN	
Jan.	
1	14.2
	15.3
3	15.4
5	01.1
	02.7
	04.9
	17.6
9	01.6
	21.8
10	07.8
15	06.3
16	10.4
19	12.6
24	04.6
	05.1
25	12.4
	13.4
28	09.9
	14.7
	19.8
Feb.	
1	21.1
3	09.8

day	hour
HUAN, cont.	
Feb.	
4	13.5
	14.5
	14.9
5	11.0
8	06.8
	11.7
	14.7
10	09.0
	21.9
11	04.6
	14.7
12	17.8
13	11.6
15	22.0
	23.8
16	05.9
	08.4
	14.2
	16.4
	22.0
17	14.2
	16.4
18	00.3
	21.5
19	04.1
	04.7
	07.5
20	00.4
	10.0
21	16.3
22	13.8
23	10.6
27	03.6
	14.6
	16.0
	18.2
28	02.8
Mar.	
2	08.6
4	17.0
	19.2
	20.7
5	14.3
	14.4
6	19.3
7	13.2
8	16.2

day	hour
HUAN, cont.	
Mar.	
9	12.8
	21.1
10	13.8
	15.4
12	06.0
14	05.7
15	18.2
	21.4
17	07.6
18	02.3
21	19.8
	21.3
22	20.2
23	11.2
24	11.3
	11.4
27	07.8
29	15.5
30	02.2
	04.0
	07.0
MONT	
Jan.	
16	13.8
17	04.1
31	09.6
Feb.	
1	19.8
4	09.9
5	10.7
6	09.8
12	16.5
23	10.6
Mar.	
4	04.0
20	02.0
SJ	
Jan.	
1	04.5
13	09.4
23	22.7
24	00.7
	09.8
25	02.6

day	hour
SJ, cont.	
Jan.	
27	06.0
Feb.	
1	08.5
9	02.6
	22.1
	23.5
11	00.1
15	00.8
19	17.8
24	17.8
Mar.	
2	18.6
5	05.9
15	02.9
17	19.8
TUC	
Jan.	
1	20.4
2	02.4
	08.7
	09.0
	19.5
3	00.4
	16.8
4	12.6
	22.6
5	04.7
	06.6
	18.8
	19.7
	21.5
	21.6
	22.3
6	00.8
	19.5
	21.4
7	07.0
	20.5
8	06.2
	13.5
	17.2
9	12.4
	15.5
	17.1
	21.2

day	hour
TUC, cont.	
10	17.0
11	00.1
	01.0
	06.6
	12.0
	20.2
	23.3
	23.3
12	03.8
	04.1
	06.1
	16.0
13	21.2
14	20.5
15	18.4
16	14.0
	17.1
	18.1
	23.9
17	10.3
	10.8
18	04.2
	21.7
	21.7
19	05.2
	15.1
	17.8
	20.5
	21.6
	23.0
	23.7
21	20.5
	21.3
22	07.6
	21.9
23	02.3
	06.0
	07.6
	07.6
	23.9
24	13.3
	15.1
	16.9
	20.7
25	06.2
27	05.3
	13.1
	19.2
	21.8

day	hour
TUC, cont.	
29	21.9
30	00.2
	09.7
	11.0
	23.5
31	02.1
Feb.	
1	07.5
	10.6
	16.5
2	05.0
	07.3
	23.8
3	05.8
4	17.7
5	05.8
	11.1
	11.8
	14.6
6	05.3
	06.9
	17.4
	19.9
	20.5
7	07.7
8	14.3
	16.5
	17.9
	18.0
	19.1
	20.1
	23.0
9	06.8
	20.0
	22.2
13	13.1
	16.3
	18.9
	19.0
	20.7
	20.8
14	04.0
	12.3
	16.6
15	02.0
	17.3
	23.3
16	17.4

Local and Minor Quakes, cont.

day	hour
TUC,	cont.
16	21.0
	21.1
	23.0
17	04.8
	20.9
18	05.0
	09.0
	15.9
	18.5
	21.5
	23.0
19	22.1
	22.4
20	12.1
	18.3
	23.7
21	21.0
	21.4
	22.1
22	03.6
	18.0
	18.5
	21.4
23	18.4
	22.7
24	04.1
	05.3
25	07.3
	07.5
	22.7
26	02.6
	07.6
	16.2
27	06.7
	13.4
	20.5
	20.9
28	22.5
Mar.	
1	22.3
2	07.3
	10.9
	17.4
	22.2
3	05.3
	21.8
4	06.8
	17.6

day	hour
TUC,	cont.
Mar.	
4	21.1
5	01.6
	04.5
	10.6
	19.6
6	17.4
	18.7
7	01.3
	20.0
	21.9
8	18.2
9	14.2
	18.8
	21.1
10	18.0
	23.2
12	12.5
13	05.2
	09.2
	20.8
	22.1
14	21.3
	22.3
	23.2
15	18.2
16	18.1
	19.9
	22.2
17	17.6
	17.9
	18.1
	22.2
18	05.5
	07.6
	11.0
	13.8
	17.3
	21.6
	22.5
19	06.0
	07.0
	10.9
	16.8
	18.4
	22.3
	22.5
20	02.0
21	18.4

day	hour
TUC,	cont.
Mar.	
21	22.6
23	02.5
	18.3
24	00.1
	19.8
	20.2
25	02.0
	19.3
	22.8
26	11.1
	20.3
	21.1
27	17.8
	18.1
	19.8
	21.7
	22.6
28	06.7
	12.9
	16.8
	21.0
29	17.9
	18.5
	21.1
	21.9
30	11.5
	18.1
	20.6
	21.8
	22.0
	22.8
	22.9
	23.1
	23.2
31	06.6
	10.0
	12.5
	13.7
	13.9

There were 84 aftershocks of the Gulf of California earthquake recorded from Mar. 31, 14½ hrs. to Apr. 1, 14½ hrs.