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January, February, March, 1950

MSI - 141

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U. S. COAST AND GEODETIC SURVEY

Robert F. A. Studds, Director

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

January, February, March, 1950

MSI-141

Contents

List of stations 1
Station data 2
List of epicenters 5
Seismogram interpretations .. 13
Local and minor earthquakes . 55

Issued by the U. S. Coast and Geodetic Survey
Washington 25, D. C.

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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 of 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)
*Columbia, S. C. (COLU)
University of South Carolina
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Logan, Utah (LOG)
Utah State Agricultural College
**New Kensington, Pa. (NK)
Private station, Fred Keller, Sr.
*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
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
*Shasta, Calif. (SH)
Bureau of Reclamation
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitude Observatory
Washington, D. C. (WASH)

*Indicates a station maintained by a local institution in cooperation with the U. S. Coast and Geodetic Survey.
**Indicates a station operating on an independent basis.
Other stations are observatories of the U. S. Coast and Geodetic Survey.

The Huancayo interpretations as of January 1, 1950, have been distributed in a separate bulletin published by the Geophysical Institute of Huancayo, Huancayo, Peru. The Seattle interpretations as of July 1, 1949, have been published in the University of Washington Seismological Bulletin.

All seismogram interpretations are made or revised at Washington except those for Balboa Heights. All magnitude determinations are by Pasadena unless otherwise stated. Minor earthquakes are listed at the end of the bulletin.

One asterisk (*) following an origin time indicates probable error of one-tenth minute. Two asterisks (**) following an origin time 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.

Station	Position	Instruments	Foundation and elevation	Period T_o	Period T_g	Period T_s	V	⊢	Paper speed	Time Break Reference point	Ground Motion trace "up"
Balboa Heights, C. Z. C. E. Matthew, In Chg.	Log cos 9.99467 Lat. 9°57'33"N. Long. 79°33'29"W.	W-A, NS&EW Mass 1.3g.	Basalt 36m.	NS 1.0 EW 1.0			1370 1370	14:1 18:1	60mm/min.	Beginning.	N E
Bermuda W. A. Macky, In Chg.	Log cos 9.92661 Lat. 32°22.8' N. Long. 64°41.0' W.	M-S, NE&NW Mass 1 lb.	Calcareous eolionite over vulcanic rock. 41m.	NE 11.9 NW 12.0			250 250	14:1 18:1	8mm/min.	End.	NE NW
Boulder City, Nev. F. Werner, In Chg.	Log cos 9.90806 Lat. 35°58'51"N. Long. 114°50'02"W.	B, film, ZNE Mass 100 lb.	Fractured monzonite. 776m.	Z 1.4 N 1.4 E 1.4	.45 .45 .45		5000 5000 5000	Near crit. crit. crit.	15mm/min.	Beginning.	Up N E
Bozeman, Mont. A. J. M. Johnson, In Chg.	Log cos 9.82437 Lat. 45°40'01"N. Long. 111°02'43"W.	McC-R, NS&EW Mass 10kg.	Alluvium, glacial drift, and lake deposits 500' thick over gneiss and schist. 1490m.	NS 10.9 EW 11.1			270 270	6:1 6:1	15mm/min.	Beginning.	N E
Burlington, Vt. E. C. Jacobs, In Chg.	Log cos 9.85339 Lat. 44°28.8' N. Long. 73°11.8' W.	M-S, NE&NW Mass 1 lb.	Glacial hardpan. 100m.	NE 12 NW 12			250 250	20:1 20:1	8mm/min.	End.	SW NW
Butte, Mont. Stephen Nile, In Chg.	Log cos 9.84167 Lat. 46°00.8' N. Long. 112°33.8' W.	W-A, NS Mass 2g.	Rhyolite 30 m. thick resting on granite. 1758m.	NW 7.1			570	16:1	15mm/min.	Beginning.	S
Chicago, Ill. W. F. Schmidt, In Chg.	Log cos 9.87251 Lat. 41°47.3' N. Long. 87°36.0' W.	McC-R, NS&EW Mass 2.5kg.	Limestone. 180m.	NS 10 EW 10			335 335	15:1 15:1	15mm/min.	End.	N W
College, Alaska M. L. Cleven, In Chg.	Log cos 9.62825 Lat. 64°51.6' N. Long. 147°50.4' W.	B, film, ZNE Mass 100 lb. B, paper, Z	Granitic schist 159m.	Z 1.5 N 1.5 E 1.5 Z 1.5	.45 .45 .45 .53		8000 60000	Near crit. Near crit. Near crit. Near crit.	15mm/min.	Beginning.	Up N E Up
Columbia, S. C. L. L. Smith, In Chg.	Log cos 9.91857 Lat. 34°00' N. Long. 81°02' W.	McC-R, NS&EW Mass 10kg.	Consolidated sand 150' thick over granite. 94m.	NS 12 EW 12			75 75	10:1 10:1	15mm/min.	Beginning.	S E
Honolulu, T. H. R. L. White, In Chg.	Log cos 9.96926 Lat. 21°18'13"N. Long. 158°05'44"W.	M-S, NS&EW Mass 1 lb. N-L, NS Spg, Z	Coral. 3m.	NS 12 EW 12 NS 1.2 Z 1.65	 1.6		124 142 4800	20:1 20:1 8:1 crit.	30mm/min.	Beginning.	N W Up
Hungry Horse, Mont. C. H. Spencer, In Chg.	Log cos 9.82255 Lat. 48°20'58"N. Long. 114°01'39"W.	B, film, ZNE Mass 100 lb.	Argillaceous limestone (Belt Series) 1100m.	Z 1.4 N 1.4 E 1.4	.45 .45 .45		13000 13000 13000	Near crit. Near crit. Near crit.	15mm/min.	Beginning.	N E Up
Lincoln, Nebr. J. C. Jensen, In Chg.	Log cos 9.87886 Lat. 40°50.2' N. Long. 96°39.2' W.	McC-R, EW Mass 2.5kg.	Dakota sandstone. 366m.	EW 8			200	10:1	15mm/min.	Beginning.	E
Logan, Utah J. Stewart Williams, In Chg.	Log cos 9.87283 Lat. 41°44.5' N. Long. 111°48.8' W.	W-A, NS&EW (dbl. refl.) Mass 2g. Spg, Z	Bonneville lake beds. 1455m.	NS EW Z 1.9	 2.2		700 700 	10:1 10:1 Near crit.	15mm/min. 60mm/min.	Beginning.	S E Up

Station	Position	Instruments	Foundation and elevation	Period T_o	Period T_g	Period T_s	V	ζ	Paper speed	Time Break Reference point	Ground Motion trace "up"
New Kensington, Pa. F. Keller, Sr., In Chg.	Log cos 9.88066 Lat. 40°33'35"N. Long. 79°45'15"W.	W, electronic EW	Shale 251m.	EW 10	13		1000	6:1	1"/min.	Beginning.	E
Overton, Nev. F. Werner, In Chg.	Log cos 9.90500 Lat. 36°31'52"N. Long. 114°26'33"W.	B, Z Mass 100 lb.	Terrace gravel overlying fine playa silt with gypsum cement. 395m.	Z 1.5	.45		40000	Near crit.	60mm/min.	Beginning.	Up
Philadelphia, Pa. I. M. Levitt, In Chg.	Log cos 9.88452 Lat. 39°57'32"N. Long. 75°10'30"W.	W, NS&EW Mass 500g.	Cape May sand and gravel. 5m.	NS 9.0 EW 9.0	9.4 9.4	7.9 7.1	1400 1400	22:1 34:1	20mm/min.	End.	S E
Pierce Ferry, Ariz. F. Werner, In Chg.	Log cos 9.90729 Lat. 36°07'15"N. Long. 114°00'17"W.	B, film, ZNE Mass 100 lb.	Terrace gravel overlying fine playa silt with gypsum cement. 417m.	Z 1.5 N 1.5 E 1.5	.45 .45 .45		13000 13000 13000	Near crit. Near crit. Near crit.	15mm/min.	Beginning.	Up N E
Rapid City, S. Dak. 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.	Shale. 1045m.	EW 6			590	20:1	15mm/min.	End.	E
Salt Lake City, Utah A. M. Anderson, In Chg.	Log cos 9.87932 Lat. 40°45'55"N. Long. 111°50'54"W.	McC-R, NS&EW Mass 2.5kg.	Bonneville lake beds. 1425m.	NS 9.7 EW 10.0			335 335	10:1 10:1	15mm/min.	Beginning.	N W
San Juan, Puerto Rico Paul Ledig, In Chg.	Log cos 9.97726 Lat. 18°22.9' N. Long. 66°07.1' W.	W, NS&EW Mass 500g. B, Z	Limestone. 80m.	NS 10.0 EW 10.0 Z 1.04	20.1 12.8 0.5	11.4 10.4	1280 1280	20:1 20:1 crit.	16mm/min. 60mm/min.	Beginning.	E Up
Shasta, Calif. G. D. Atkinson, In Chg.	Log cos 9.87978 Lat. 40°41'44"N. Long. 122°23'19"W.	B, film, ZNE Mass 100 lb.	Meta-andesite. 312.4m.	Z 1.5 N 1.5 E 1.5	.45 .45 .45		5000 5000 5000	Near crit. Near crit. Near crit.	15mm/min.	Beginning.	Up N E
Sitka, Alaska Joel Campbell, In Chg.	Log cos 9.73544 Lat. 57°03'25"N. Long. 135°19'28"W.	W, NS&EW Mass 500g.	Graywacke. 19m.	NS 7.2 EW 7.0	15.3 10.4	8.5 7.5	1000 1000	13:1 14:1	15mm/min.	Beginning.	N W
Tucson, Ariz. J. H. Nelson, In Chg.	Log cos 9.92725 Lat. 32°14.8' N. Long. 110°50.1' W.	W-A, NS&EW Mass 2.3g. B, Z	Caliche or gravels 100-300m. thick. 770m.	NS 8.0 EW 8.0 Z 1.0	77.0 0.236		466 457	crit. crit. Near crit.	30mm/min. 60mm/min.	Beginning.	S E Up
Ukiah, Calif. L. F. Caouette, In Chg.	Log cos 9.88968 Lat. 39°08' N. Long. 123°13' W.	McC-R, NS&EW Mass 10kg.	Alluvium 180m. deep. 199m.	NS 11.9 EW 11.6			75 75	Near crit.	15mm/min.	Beginning of 3-sec. time break.	N E

*The Benioff short-period vertical seismometer is located about 2.7 mi. northeast of the observatory seismograph.

B - Benioff, W - Wenner, McC-R - McComb-Romberg, W-A - Wood-Anderson, M-S - Milne-Shaw, N-L - Neumann-Laharre, Spg - Sprengnether.

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Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Jan.	h m s	° '	° '	
1	02 52 21*	25 N.	110 W.	Gulf of California.
1	05 25 28**			Tonga Islands region.
1	09 34 20**			Fiji Islands region. h = about 500 km.
1	10 20 30**			About 700 miles south of Fiji Islands. h = about 600 km.
1	11 33 05**			Tonga Islands.
1	16 04 32**			Near north coast of Luzon, Philippine Islands.
2	00 42 30*	19 N.	67½ W.	Near west coast of Puerto Rico. Felt in Mayaguez. h = about 60km.
2	01 15 29*	7 N.	34 W.	Atlantic Ocean, off northeast coast of Brazil.
2	13 43 13**			West-central Turkey.
2	15 14 52*	12 S.	165 E.	Santa Cruz Islands. h = about 200 km. Mag. 7
2	19 34 14**			New Hebrides Islands region.
2	19 53 04*	41½ N.	112 W.	Northern Utah. Felt from Preston, Idaho, to Salt Lake City, Utah.
3	02 51 50*	18 N.	121½ E.	Near north coast of Luzon, Philippine Islands. Mag. 6½
3	05 46 09**			Santa Cruz Islands region.
3	06 05 14**			Philippine Islands aftershock.
3	11 06 27**			Off coast of southern Chile.
3	11 27 28	33 52 N.	115 50 W.	By Pasadena. Pinto Basin, Calif. Mag. 3.1
4	09 45 40**			Kurile Islands region.
5	03 22 00**			Kermadec Islands region.
5	04 31 25*	9½ N.	102 W.	Off south coast of Mexico.
5	16 00 47**			Aleutian Islands region.
6	18 42 40**			Near east coast of Nicaragua.
7	09 37 35	32.1 N.	116.6 W.	By Pasadena. Lower California. Mag. 4.0
7	22 36 10**			Cordoba Province, Argentina. h = about 100 km.
8	04 11 20**			Andreanof Islands, Aleutian Islands. Felt at Finger Bay.
8	20 42 55*	21½ S.	174 W.	Tonga Islands. Felt in Nukualofa. h = about 100 km.
9	01 25 10*	51 N.	176 W.	Andreanof Islands, Aleutian Islands. Felt at Finger Bay. h = about 60 km.
9	13 24 57	34 05 N.	116 58 W.	By Pasadena. Near Forest Home, Calif. Felt. Mag. 3.9
9	22 30 08	35 41 N.	117 53 W.	By Pasadena. Near China Lake, Calif. Mag. 2.8
10	03 05 47*	11 N.	103½ W.	Off coast of Mexico. h = about 100 km. Mag. 6¼
10	09 46 56**			Kurile Islands region.
10	16 23 37**			About 150 miles south of Falkland Islands.
11	18 58 26*	42 N.	135 E.	Sea of Japan.
11	21 41 35	33 57 N.	118 21 W.	By Pasadena. Near Southgate, Calif. Felt in Los Angeles. Mag. 4.1

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Jan.	h m s	° ′	° ′	
12	08 31 40**			Fiji Islands region.
12	12 06 07*	18 S.	178 W.	Fiji Islands region. h = about 550 km. Mag. 7.0
12	17 09 53*	42 N.	142 E.	Off south coast of Hokkaido, Japan. h = about 100 km.
13	00 10 59*	5 S.	152 E.	New Britain.
13	00 35 35*	37 N.	141 E.	Near east coast of Honshu, Japan. h = about 60 km.
13	05 07 19	34 01 N.	116 29 W.	By Pasadena. Near Desert Hot Springs, Calif. Felt. Mag. 4.1
13	07 52 40**			New Hebrides Islands.
13	10 10 05**			Northern Chile-Argentina border. Felt.
13	12 18 31	40.3 N.	124.4 W.	By Berkeley. Near Punta Gorda, Calif. Felt in Ferndale, Scotia, and Cape Mendocino Light Station. Mag. 4.3
13	23 52 29*	4½ S.	153½ E.	New Britain region.
14	08 51 50**			Revilla Gigedo Islands, off west coast of Mexico.
14	13 24 37*	21 S.	71 W.	Off coast of northern Chile. Felt. h = about 100 km.
14	19 52 30	40 13 N.	124 25 W.	By Berkeley. Near Punta Gorda, Calif. Felt. Mag. 4.6
15	21 02 26**			Kermadec Islands.
15	23 52 20*	7 S.	156 E.	Solomon Islands region.
16	04 24 56*	44½ N.	26 E.	Southern Romania. Felt in Bucharest. h = about 150 km.
16	20 34 43	32 40 N.	116 45 W.	By Pasadena. Near Dulzura, Calif. Mag. 2.6
17	10 58 12*	0	25 W.	Atlantic Ocean.
18	01 55 51*	40½ N.	110½ W.	Northern Utah. Felt in Colorado. Mag. 5-5½
19	02 33 49	34 16 N.	117 01 W.	By Pasadena. West of Big Bear, Calif. Mag. 3.1
19	09 33 48	33 45 N.	118 26 W.	By Pasadena. Near Point Vincente, Calif. Felt in Santa Monica, Beverly Hills, Hollywood, and San Pedro. Mag. 3.6
19	17 27 18*	27½ N.	53 E.	Near south coast of Iran. 20 killed, many injured.
19	21 48 50**			Near south coast of Alaska.
19	23 10 55**			Iran aftershock.
20	07 24 32**			Near south coast of Alaska Peninsula.
20	18 37 30*	62 N.	152 W.	Southern Alaska. h = about 100 km.
20	23 15 35*	28 S.	63½ W.	Santiago del Estero, Argentina. h = about 600 km.
21	04 30 41*	63 N.	148½ W.	Central Alaska.
21	14 09 50*	36 S.	72 W.	Off coast of central Chile. Felt. h = about 100 km.
21	17 11 41	38 36 N.	119 09 W.	By Berkeley. Near Wichman, Nev. Mag. 3.5
22	01 04 30*	30 N.	139 E.	Off south coast of Honshu, Japan. h = about 300 km.
22	03 18 17**			Near west coast of Colombia.
22	04 07 15*	28 N.	53 E.	Near south coast of Iran.

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Jan.	h m s	° ′	° ′	
22	07 50 41**			Tonga Islands region.
22	10 05 50**			Southern Alaska. h = about 100 km.
23	09 30 16**			Off southwest coast of Greece.
23	09 59 52*	10½ N.	125½ E.	Philippine Islands.
24	01 46 50**			Tonga Islands region. h = about 600 km.
24	01 54 00**			Near west coast of Honshu, Japan. Felt in Nagoya and Osaka.
24	02 55 40**			Kermadec Islands region.
24	05 37 50**			Fiji Islands region. h = about 500 km.
24	05 52 05*	18 N.	63 W.	Leeward Islands.
24	16 47 13*	14½ S.	167 E.	New Hebrides Islands. h = about 150 km. Mag. 6½
24	21 56 59	34 40 N.	118 50 W.	By Pasadena. South of Gorman, Calif. Felt in Filmore and Piru. Mag. 4.0
25	00 41 09**			New Britain region.
25	02 09 38*	27 S.	177 W.	Kermadec Islands region.
25	06 03 41**			About 200 miles south of Panama.
25	08 04 57**			Kermadec Islands region.
26	03 52 21*	18 S.	178 W.	Fiji Islands region. h = about 600 km.
26	11 06 11**			South of Fiji Islands.
27	08 25 50**			Tonga Islands.
27	10 47 18*	42 N.	125 W.	Off Cape Mendocino, California.
27	19 18 10*	17 S.	173 W.	Samoa Islands region. Felt in Apia.
27	20 36 57	33 26 N.	116 16 W.	By Pasadena. Santa Rosa Mountains, Calif. Mag. 3.4
28	19 28 03**			South of Fiji Islands region. h = about 500 km.
30	00 56 32*	53 S.	72 W.	Southern Magellanes Province, Chile. Felt. Mag. about 6-3/4
30	02 49 53*	61½ N.	150½ W.	Southern Alaska. h = about 100 km.
30	05 32 21**			Tonga Islands region. h = about 200 km.
31	10 49 00*	43 N.	½ E.	Southern France. Felt in Hautes-Pyrenees Province, France, and in Lareda Province, Spain.
31	11 24 40*	10½ S.	33½ E.	Northern Rhodesia-Nyasaland border.
31	22 43 24*	51 S.	156 E.	Kamchatka. h = about 100 km.
Feb. 1	11 41 39*	20 S.	69 W.	Northern Chile. h = about 100 km. Felt.
2	10 37 24*	32 N.	113 W.	Southern Arizona. Mag. 4.2
2	23 33 37*	22 N.	100 E.	Southern China-Burma border. Felt. Mag. 6-3/4
3	02 51 47*	22 N.	100 E.	China-Burma aftershock. Mag. 6½
3	05 56 02*	23½ N.	179 E.	Fiji Islands region. h = about 600 km.

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	° '	° '	
3	13 03 56*	22½ N.	99½ E.	China-Burma aftershock.
3	16 45 29*	54 N.	162 W.	Alaska Peninsula foreshock.
3	18 27 48*	42½ N.	142½ E.	Hokkaido, Japan. h = about 60 km.
3	18 53 43**			Alaska Peninsula foreshock.
4	00 30 58**			Atlantic Ocean, about 500 miles north of the Azores.
4	02 07 53*	54 N.	162 W.	Off south coast of Alaska Peninsula.
4	22 59 15**			Andreanof Islands, Aleutian Islands.
5	01 23 30*	49½ S.	164 E.	Off southwest coast of New Zealand. Felt. Mag. 6-3/4 - 7
5	12 18 10*	16 N.	94 W.	Off southern coast of Mexico. h = about 100 km.
7	00 08 25**			About 500 miles off coast of southern Chile.
7	00 25 57*	15 S.	166½ E.	New Hebrides Islands.
7	10 35 06*	18½ S.	70 W.	Northern Chile. h = about 200 km.
7	10 37 22**	46 N.	152 E.	Kurile Islands.
7	21 16 11*	7½ S.	74 W.	Central Peru-Brazil border. h = about 150 km.
8	15 02 41*	10½ S.	160½ E.	Solomon Islands.
8	18 19 45*	46½ N.	28½ W.	North Atlantic Ocean.
9	13 06 50**			Off south coast of Honshu, Japan.
9	18 52 41*	73 N.	6 E.	Jan Mayen Island region.
9	20 18 26*			Northwestern Argentina-Chile border region. Felt in Chile. h = about 150 km.
10	03 32 50	34 02 N.	116 24 W.	By Pasadena. Northeast of Desert Hot Springs, Calif. Mag. 3.6
10	18 44 00**			Philippine Islands region.
10	20 23 10**			About 350 miles southwest of El Salvador.
10	23 41 09	41.2 N.	124.3 W.	By Berkeley. Near Rocky Point, Calif. Felt in Eureka. Mag. 4.0
11	01 22 02*	43 S.	41 E.	Prince Edward Islands region.
11	11 29 54*	15½ S.	175 W.	Samoa Islands region. h = about 250 km. Mag. 6½
12	09 43 47*	34½ N.	24 E.	Off south coast of Crete.
12	19 00 43**			200 miles southwest of Spitzbergen.
12	22 14 54*	19 S.	178 W.	Fiji Islands region. Mag. 6½
13	05 55 00*	22 S.	69 W.	Northern Chile. Felt. h = about 100 km.
13	11 05 20**			Andreanof Islands, Aleutian Islands.
13	11 27 01**			Solomon Islands region.
14	23 12 58**			Fiji Islands region.
15	00 12 42*	7 N.	36 W.	Atlantic Ocean.
15	03 36 54*	47 N.	154 E.	Kurile Islands.

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	° ′	° ′	
15	14 36 45*	11 N.	93½ E.	Andaman Islands region.
16	12 50 43**			Pacific Ocean, 600 miles south of Easter Island.
16	14 21 13**			Easter Island aftershock.
17	03 47 16*	14½ N.	90 W.	Guatemala. Mag. 6¼ - 6½
18	05 04 23*	33 S.	111½ W.	Easter Island region.
18	06 17 50**			Atlantic Ocean foreshock.
18	07 32 19*	31 N.	42½ W.	Atlantic Ocean, southwest of Azores.
18	14 39 30*	54 N.	164 W.	Near coast of Alaska Peninsula.
18	19 40 15**			Tonga Islands region. h = about 300 km.
19	08 29 44	34.5 N.	120.7 W.	By Pasadena. Southwest of Arguello, Calif. Mag. 3.5
20	03 15 08**			Southern Kamchatka.
20	06 36 46	34 36 N.	118 00 W.	By Pasadena. East of Palmdale, Calif. Mag. 3.3
20	14 58 23**			Near Payson, Utah. Felt.
20	20 50 06*	19½ S.	63 W.	Southern Bolivia. h = about 600 km.
21	20 26 35**			Kurile Islands. h = about 400 km.
21	20 38 03**			Fox Islands, Aleutian Islands.
21	22 36 30*	55 N.	160½ E.	Near coast of Kamchatka. h = about 100 km.
22	03 30 39**			Southwestern Bolivia. Felt in Chile. h = about 200 km.
22	06 54 30**			Fox Islands, Aleutian Islands.
22	14 13 33**			Kurile Islands. h = about 60 km.
22	23 59 58	33 32 N.	116 14 W.	By Pasadena. East of Santa Rosa Mountains, Calif. Mag. 3.1
23	03 08 17**			Fiji Islands region.
23	04 48 23*	44½ N.	151 E.	Kurile Islands. h = about 60 km.
23	08 31 23*	50 N.	148 E.	Sea of Okhotsk. h = about 500 km. Mag. 6
23	16 59 10**			Kurile Islands. h = about 60 km.
23	21 45 43**			Fiji Islands region. h = about 60 km. Mag. 6½
24	06 01 42*	6 N.	77½ W.	Near coast of Colombia.
24	12 38 50**			Indian Ocean, about 900 miles southeast of Madagascar.
24	05 47 09*	45½ N.	99 E.	Southwestern Mongolia.
25	09 51 34*	28 N.	131 E.	Ryukyu Islands region.
25	09 56 27**			Ryukyu Islands aftershock.
25	10 39 27**			.....Do.
25	13 37 37*	40 N.	112 W.	Central Utah, south of Salt Lake City.
25	14 02 57**			Fiji Islands region.
25	21 14 52*	17 S.	168½ E.	New Hebrides Islands. h = about 200 km.

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	° ′	° ′	
26	00 06 22*	34 37 N.	119 05 W.	By Pasadena. Near Sespe Hot Springs, Calif. Minor damage in Ventura and Santa Paula. Mag. 4.7
26	03 35 44*	23 N.	91 E.	Tibet-Bhutan border.
26	21 01 25**			Near coast of central Chile. Felt.
27	04 01 46**			Central Nicaragua.
27	11 23 11**			Mediterranean Sea, south of Greece.
28	01 44 30**			Bonin Islands.
28	10 20 58*	46 N.	143½ E.	Off north coast of Hokkaido, Japan. Felt. h = about 350 km. Mag. 7.8
28	17 01 50*	54½ N.	159 E.	Southeastern Kamchatka. h = about 100 km.
Mar. 1	03 34 05**			Tonga Islands region.
1	08 23 53*	45 S.	96 E.	South Indian Ocean.
2	06 19 32**			Tonga Islands region.
2	18 39 46*	61 S.	35 W.	Sandwich Islands region. Mag. 6-3/4 - 7
3	04 12 24**			Tonga Islands region.
3	06 12 24**			Sandwich Islands aftershock.
3	07 42 13**			Near east coast of Kamchatka.
3	10 43 31*	23 S.	175½ W.	Kermadec Islands region.
3	12 57 00**			Andreanof Islands, Aleutian Islands.
3	13 05 26	34 22 N.	116 29 W.	By Pasadena. East of Old Woman Springs, Calif. Mag. 3.5
3	15 41 11*	60 S.	35 W.	Sandwich Islands.
4	06 46 09*	9 S.	158 E.	Solomon Islands.
4	12 59 35**			About 150 miles off coast of northern Chile.
4	15 48 36*	59 S.	29 W.	Sandwich Islands.
5	00 32 40*	39 N.	71 E.	Southeastern Turkistan.
5	14 15 48*	14½ S.	165 E.	New Hebrides Islands.
5	18 01 16*	22 S.	69 W.	Northern Chile. Felt. h = about 100 km.
6	22 21 44**			New Hebrides Islands. h = about 150 km.
7	02 07 54*	11 N.	122½ E.	Panay Island, P. I. Felt in Iloilo. Mag. 6-3/4
8	03 06 07**			Fiji Islands region.
8	03 23 57	37 46 N.	122 10 W.	By Berkeley. Near Stonehurst, Calif. Felt in Moraga, Oakland, Lafayette, Berkeley, and San Francisco. Mag. 3.3
8	03 28 00**			New Hebrides Islands region.
9	05 01 14**			Northern Chile-Argentina border region.
9	06 51 39**			Fiji Islands region.
9	10 03 39*	16 N.	60 W.	Leeward Islands.

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Mar.	h m s	° ′	° ′	
9	17 38 02*	61 N.	151 W.	Southern Alaska. h = about 150 km.
10	13 38 20**			Off coast of Chiapas, Mexico.
10	20 15 59**			Fiji Islands region. h = about 400 km.
11	00 42 51*	20½ N.	99 W.	Central Mexico. Felt in the Federal District.
12	02 38 54**			Tonga Islands region.
12	07 22 06*	31½ N.	41 W.	North Atlantic Ocean.
12	18 54 23*	3 N.	79 W.	Off coast of Colombia.
14	03 10 02*	8 S.	74 W.	Central Peru. h = about 150 km. Mag. 6-3/4
14	16 25 03*	1 S.	24 W.	Mid-Atlantic Ocean.
15	00 37 40**			Kermadec Islands region.
15	17 40 58*	33½ N.	135 E.	Near south coast of Honshu, Japan.
16	19 24 56*	17 S.	178½ W.	Fiji Islands region. h = about 600 km. Mag. 6.2
17	03 02 20**			Gulf of California.
17	05 36 18*	14 S.	173 W.	Samoa Islands.
18	04 39 39*	56 S.	23 W.	Sandwich Islands.
18	18 19 12*	17½ S.	68½ W.	Southwestern Bolivia. Felt in Chile. h = about 200 km.
20	15 22 17	40 27 N.	121 28 W.	By Berkeley. Near Hat Creek, Calif. Felt in northern California and Nevada. Mag. 5.5.
22	01 31 57	35 58 N.	120 38 W.	By Pasadena. Southwest of Corcoran, Calif. Mag. 3.7
22	11 00 54**			Off north coast of Venezuela.
22	12 50 22*	48½ N.	28½ W.	North Atlantic Ocean.
22	15 44 32*	23½ S.	69 W.	Northern Chile. h = about 100 km.
22	21 07 25**			Near north coast of Formosa.
23	04 16 50*	40½ N.	121½ W.	Northern California aftershock. Mag. 4.6
23	08 01 05*	40½ N.	121½ W.	Northern California aftershock.
23	03 08 33**			Fiji Islands region.
23	10 41 20**			Ryukyu Islands region.
23	10 45 28**			Alaska Peninsula.
23	19 01 53**			Queen Charlotte Islands region.
24	09 17 27**			Off south coast of Mindanao, P. I.
24	12 07 29*	8 N.	81 W.	Near south coast of Panama. Felt.
25	22 22 06*	21½ S.	69 W.	Northern Chile.
26	04 25 34*	40½ N.	121½ W.	Northern California aftershock.
26	06 44 22*	45 N.	129½ W.	Off coast of Oregon.
26	07 42 50*	7½ N.	72 W.	Colombia-Venezuela border.

Date 1950	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
Mar.	h m s	° ′		° ′		
26	16 53 13**					Southern Red Sea.
27	06 16 15*	28	S.	67	W.	Western Argentina. Felt in Chile. h = about 60 km.
27	13 04 10*	53½	N.	173	E.	Aleutian Islands region. h = about 60 km. Mag. 6-3/4
27	21 18 32*	5	S.	103	E.	Near south coast of Sumatra. Mag. about 7
27	22 06 05**					Sumatra aftershock.
28	12 32 51*	35½	N.	140½	E.	Near east coast of Honshu, Japan. h = about 100 km.
28	20 05 16*	14	S.	166	E.	New Hebrides Islands region. h = about 200 km.
29	12 52 55*	26½	S.	176½	W.	Kermadec Islands region.
29	17 41 10*	3	S.	138½	E.	Northern New Guinea.
30	01 50 06**					Fiji Islands.
30	16 47 40*	40½	N.	30	W.	Azores Islands region.
30	21 53 56**					Southeastern Nevada.
30	22 01 19*	22	S.	170	E.	Loyalty Islands region.
31	01 39 33**					Andreanof Islands, Aleutian Islands.
31	12 47 45**					Off central coast of Peru. h = about 60 km.
31	15 35 39*	34	N.	143	E.	Off east coast of Honshu, Japan.
31	22 36 40**					Kermadec Islands.

Date and Station	Phase	Phase (GCT) h m s
Jan. 1		
OV	eP	00 42 18
PF	iP	00 42 18
	i	44 29
TUC	eP	00 42 19
	e	44 27
Jan. 1, H = 02 52 21* 25°N, 110°W. Gulf of California.		
BC	eP	02 55 06.5
	eL	58 18
BOZ	eL	03 03 31
BUT	eL	03 04 10
CHI	eL	03 05 10
COL	eP	03 00 50
COLU	eL	03 06 28
HH	eP	02 57 28
	eL	03 06 36
LOG	eP	02 56 09
	eL	03 00 47
OV	iP	02 55 11
	i(S)	57 04
	iL	58 18
PHIL	eL	03 09 05
PF	iP	02 55 05
	i(L)	58 11
RC	eL	03 01 47
SLC	eL	03 00 30
SH	eP	02 56 40
	e	57 29
	e	58 27
SIT	eL	03 12 18
TUC	iP	02 54 01
	e	54 26
	e(S)	54 36
	i	54 37
	i	55 22
	i(L)	55 48
UK	eL	03 00 10
Jan. 1		
COL	e	03 17 47
OV	i	03 08 36
PF	e	03 08 01
TUC	iP	03 01 57
		05 41

Date and Station	Phase	Phase (GCT) h m s
Jan. 1		
OV	e	03 20 39
Jan. 1		
OV	iP	03 35 12.5
	e(S)	45 44
Jan. 1		
OV	e	03 48 21
Jan. 1, H = 05 25 28** Tonga Islands region.		
COL	e	05 38 18
OV	eP	05 37 30
PF	iP	05 37 30
SH	e(P)	05 37 19
TUC	eP	05 37 30
Jan. 1		
BC	e	07 59 54
OV	i(P)	07 59 58
PF	i(P)	07 59 52
TUC	eP	07 58 55
Jan. 1, H = 09 34 20** Fiji Islands region. h = about 500 km.		
BC	i(P)	09 46 11
COL	e(P)	09 46 37
OV	iP	09 46 13
	ipP	48 17
PF	i(P)	09 46 14
SH	eP	09 46 00
TUC	iP	09 46 15
Jan. 1		
OV	i	10 12 04
	e	14 47
PF	e	10 12 04
	e	14 53
SH	eP	10 14 37
TUC	e	10 12 03
Jan. 1, H = 10 20 30** About 700 mi. south of Fiji Islands. h = about 600 km.		
BC	eP	10 32 32
COL	eP	10 32 56

Date and Station	Phase	Phase (GCT) h m s
Jan. 1		
HH	eP	10 33 01
OV	eP	10 32 34
PF	eP	10 32 33
SH	eP	10 32 19
Jan. 1, H = 11 33 05** Tonga Islands.		
COL	eP	11 45 52
HH	e	11 45 50
OV	iP	11 45 15
PF	iP	11 45 15
SH	e	11 45 03
TUC	eP	11 45 17
Jan. 1		
OV	eP	12 48 18
PF	eP	12 48 20
Jan. 1		
COL	eP	12 55 09.5
HH	iP	12 57 01
	i	57 08
Jan. 1		
COL	e(P)	13 19 23
	e	20 20
HH	iP	13 21 21
	i	21 29
PF	iP	13 21 49
	i	22 02
Jan. 1		
COL	e	13 23 28
HH	iP	13 25 48
Jan. 1		
HH	iP	14 28 13
SH	e	14 28 12
Jan. 1		
HH	eP	15 46 25
TUC	e	15 44 44
Jan. 1, H = 16 04 32** Near north coast of Luzon, P. I.		
COL	eP	16 16 10
HH	i(P)	16 15 24.5

Date and Station	Phase	Phase (GCT) h m s
Jan. 1		
OV	e	16 17 03
Jan. 1		
OV	iP	17 45 54.1
Jan. 1		
OV	eP	17 51 46
Jan. 1		
OV	eP	18 53 38
PF	e(P)	18 51 22
Jan. 1		
COL	e(P)	19 44 47
HH	iP	19 46 44
	i	46 55
OV	eP	19 47 41
PF	i(P)	19 47 45
SH	e(P)	19 46 37
TUC	eP	19 48 22
Jan. 1		
HH	iP	19 49 24
Jan. 1		
OV	eP	20 29 25
	ipP	29 51
	iPP	33 27
Jan. 1		
OV	iP	22 48 27
	ipP	49 06
Jan. 1		
OV	e	23 12 21
Jan. 2, H = 00 42 30* 19°N, 67½°W. Near west coast of Puerto Rico. Felt in Mayaguez. h = about 60 km.		
BC	iP	00 50 41
	i	50 56
COL	iP	00 53 30.5
HH	iP	00 51 00.5
	i	51 13
LOG	eP	00 50 32
	i	50 44
	ePP	52 17
	eL	01 07 09
OV	iP	00 50 39
	iPP	51 43
PHIL	eP	00 47 18
	eS	51 05
	eL	54 53

Date and Station		Phase (GCT)
		h m s
Jan. 2		
PF	iP	00 50 36
	i	50 47
SJ	iP	00 42 58
	eS	43 19
	eL	43 42
SH	iP	00 51 28
	i(PcP)	52 10
TUC	iP	00 50 09
	ePP	51 32
Jan. 2		
OV	e	01 02 14
Jan. 2, H = 01 15 29* 7°N, 34°W. Atlantic Ocean, off northeast coast of Brazil.		
BC	iP	01 27 41
	i	27 54
COL	e(P)	01 28 45
HH	iP	01 27 27
	i	27 41
LOG	eP	01 27 18
	ePP	30 15
	e	36 46
OV	iP	01 27 29
	i	27 43
PF	eP	01 27 27
	i	27 40
SH	e(P)	01 27 59
TUC	iP	01 27 11
Jan. 2		
TUC	eP	03 43 46
Jan. 2		
COL	eP	06 24 37
Jan. 2		
COL	eP	10 06 32
HH	iP	10 04 26
	i	05 14
	i	05 30
Jan. 2, H = 13 43 13** West-central Turkey.		
COL	eP	13 55 09
HH	eP	13 56 04
Jan. 2, H = 15 14 52* 12°S, 165°E. Santa Cruz Islands. h = about 200 km. Mag. 7		

Date and Station		Phase (GCT)
		h m s
Jan. 2		
BC	iP	15 27 32
	i	27 33
CHI	eL	16 13 20
COL	iP	15 27 04
	epP	28 06
	e(PPP)	32 04
	iS	37 26
	e	38 30
	eL	51 24
HH	iP	15 27 48
	epP	28 28
LOG	eP	15 27 49
	iP	27 50
	ePP	31 36
	epP	38 53
	eL	16 01 35
OV	iP	15 27 36
PF	eP	15 27 36
	i	27 57
	ipP	28 13
	iPP	31 19
SH	e	15 27 08
	iP	27 11
	ePP	30 30
SIT	iP	15 27 07
	eL	51 44
TUC	iP	15 27 44
	epP	28 30
	ePP	31 25
	eS	38 47
	ePKKP	45 07
	eP'P'	53 19
	eL	56 04
Jan. 2		
OV	eP	15 37 16
	i	40 37.7
Jan. 2, H = 19 34 14** New Hebrides Islands region.		
COL	eP	19 47 16
TUC	iP	19 47 28
	e	47 44
Jan. 2, H = 19 53 04* 41½°N, 112°W. Northern Utah. Felt from Preston, Idaho, to Salt Lake City, Utah.		
BC	i(P)	19 54 46.5
COL	e	19 59 23
HH	eP	19 54 44

Date and Station		Phase (GCT)
		h m s
Jan. 2		
HH, cont.	i	19 55 11
	i	55 56
	iL	56 39
LOG	iP	19 53 07
	iL	54 43
OV	iP	19 54 49
PF	iP	19 54 45
	i	55 22
	i(L)	56 09
SLC	e(P)	19 53 19
	iL	53 28
SH	e(P)	19 55 23.5
TUC	eP	19 55 24
	e	55 34
	i	55 53
	i	56 27
	iS	56 40
	iL	57 19
Jan. 2		
OV	eP	20 42 26
Jan. 2		
COL	e(P)	21 08 13
HH	iP	21 11 00
Jan. 2		
OV	iP	23 21 28.4
Jan. 2		
OV	eP	23 32 44
	i	33 03.8
	iS	33 54
Jan. 2		
OV	e	23 52 03
Jan. 3		
OV	iP	01 45 45
SH	iP	01 31 52
Jan. 3		
OV	eP	02 24 12
Jan. 3, H = 02 51 50* 18°N, 121½°E. Near north coast of Luzon, P. I. Mag. 6½		
BER	e	03 14 19
	ePPP	15 36
	e	21 16
	e(PS)	24 14
	e	26 38
	e	32 07
	eL	47 00
BC	i	03 09 10

Date and Station		Phase (GCT)
		h m s
Jan. 3		
BOZ	eSKS	03 16 35
	eL	41 23
BUT	e(SKS)	03 15 31
	e(PS)	17 13
	eL	49 25
CHI	e	03 11 28
	eS	19 04
	e(PS)	21 36
	eL	38 28
COL	iP	03 03 27
	iPP	06 03
	eS	13 00
	iS	13 02
	eSS	18 24
	eL	26 30
COLU	e(S)	03 22 34
	eL	44 14
HONO	eP	03 03 39
	e(S)	13 13
	eL	24 07
HH	iP	03 05 27
	i	05 33
	e(PP)	09 29
	i	09 56
	eSKS	15 50
	eS	16 46
	iPKKP	22 04
LOG	eP	03 05 53
	e	08 34
	ePP	10 11
	eSKS	16 34
	e	29 48
	eL	37 15
OV	iPP	03 10 13
PHIL	ePP	03 12 10
	eSKS	17 46
	ePS	22 07
	eSS	28 55
	eL	39 52
PF	ePP	03 10 17
SLC	e(SKS)	03 16 37
	e(SS)	23 27
	eL	43 22
SJ	eL	03 55 20
SH	e(P)	03 05 24
	e	08 52
SIT	e(P)	03 04 19
	eS	14 30
	iS	14 32
	eL	27 06

Date and Station	Phase	Phase (GCT) h m s
Jan. 3		
TUC	eP	03 06 28
	e(P')	09 56
	ePP	10 40
	e	10 49
	e	11 24
	e(SKS)	16 38
	e(S)	18 11
	e(PS)	20 21
	eL	39 00
UK	e(SKS)	03 16 10
	eL	33 08
Jan. 3		
TUC	eP	03 21 32
Jan. 3		
COL	e	03 30 55
OV	e(P)	03 35 14
Jan. 3		
COL	e	04 57 20
Jan. 3, H = 05 46 09** Santa Cruz Islands region.		
BC	iP	05 59 05
COL	iP	05 58 36.5
HH	iP	05 59 20
	i	59 31
	i	06 00 02
LOG	eP	05 59 21
OV	iP	05 59 07
PF	iP	05 59 03
SH	iP	05 58 43
TUC	eP	05 59 15
	e	59 27
	e(P'F')	06 24 19
Jan. 3, H = 06 05 14** Philippine Islands aftershock.		
COL	iP	06 16 50
HH	iP	06 18 48
	i	18 56.5
	i	19 08.5
SH	e	06 18 45
Jan. 3		
HH	iP	07 31 39
Jan. 3		
COL	iP	07 52 27

Date and Station	Phase	Phase (GCT) h m s
Jan. 3		
OV	e	08 25 05
	e	25 38.6
Jan. 3		
OV	iP	08 31 01
Jan. 3		
OV	(e)	08 52 18
Jan. 3, H = 11 06 27** Off coast of southern Chile.		
BER	ePPS	10 29 29
	eL	45 30
BC	eP	11 19 23
CHI	eL	11 50 45
COL	eP'	11 25 20
	eL	12 04 00
OV	iP	11 19 18
PHIL	eP	11 19 15
	e(S)	29 02
	eSS	35 13
	eSSS	39 35
	eL	43 21
PF	eP	11 19 18
SJ	e	11 33 06
	e	33 13
	eL	42 06
TUC	eP	11 18 53
	e	21 04
	eL	42 50
Jan. 3, H = 11 27 28 By PAS, 33°52'N, 115°50'W. Pinto Basin, Calif. Mag. 3.1		
BC	iP	11 27 38
	iS	28 06
OV	iP	11 27 19
	iS	27 57
PF	eP	11 27 12
	iP	27 17
	iS	27 55
TUC	i	11 27 51
	i	27 55
	iS	28 11.5
	i	28 27
	i	28 34
	iL	28 54
Jan. 3		
OV	iP	13 08 58.0
	e(S)	12 33

Date and Station	Phase	Phase (GCT) h m s
Jan. 3		
COL	e	17 57 21
HH	e	18 00 16
Jan. 4, H = 09 45 40** Kurile Islands region.		
BC	eP	09 57 56
COL	iP	09 53 22
HH	iP	09 56 40
	i	56 52
	i	56 59
PF	iP	09 56 59
SH	iP	09 56 08
TUC	iP	09 57 24
Jan. 3		
OV	e	10 42 41
Jan. 4		
TUC	eP	10 47 33
Jan. 4		
COL	e(P)	15 19 33
	e	20 36
	e(S)	22 47
	e(L)	23 00
HH	e(P)	15 23 19
	e(L)	28 02
Jan. 4		
HH	e(P)	20 33 14
	i	33 20
Jan. 4		
HH	iP	20 55 51
	i(pP)	55 57
Jan. 5		
COL	eP	01 57 55
Jan. 5, H = 03 22 00** Kermadec Islands region.		
BC	e	03 35 07
COL	e	03 35 51
PF	e(P)	03 35 14
TUC	iP	03 35 10
	i	35 21
	i	35 38
Jan. 5, H = 04 31 25* 9½°N, 102°W. Off south coast of Mexico.		
BER	e	04 46 58
	eL	53 00

Date and Station	Phase	Phase (GCT) h m s
Jan. 5		
BC	e(P)	04 37 07
CHI	eL	04 48 38
COL	e	04 41 59
	e	42 33
HH	eP	04 39 00
	e	44 04
LIN	eL	04 48 01
LOG	eL	04 46 31
PHIL	e	04 46 01
	eL	52 44
PF	eP	04 37 18
	i	37 23
TUC	eP	04 36 39
	e(PP)	37 20
	e(S)	41 04
	e	42 18
	eL	43 16
Jan. 5		
TUC	iP	06 45 58
Jan. 5		
COL	e	08 16 29
	i	16 39
Jan. 5		
COL	e	10 19 03
Jan. 5		
COL	eP	10 54 42
PF	e	10 55 08
Jan. 5		
COL	eP	13 11 24
Jan. 5		
BC	iP	13 22 32
PF	e(P)	13 22 31
TUC	e(P)	13 22 07
Jan. 5, H = 16 00 47** Aleutian Islands region.		
BC	eP	16 08 06
	i	08 25
COL	e(P)	16 04 40
HH	eP	16 07 30
	i	07 43.5
OV	iP	16 08 24
PF	iP	16 08 29

Date and Station	Phase	(GCT) h m s
Jan. 5		
SH	e(P)	16 07 20
Jan. 5		
HH	iP	22 07 22
Jan. 6		
TUC	e(P)	15 52 54
	iP	52 57
Jan. 6, H = 18 42 40** Near east coast of Nicaragua.		
BC	e(P)	18 49 50
HH	eP	18 50 49
LOG	e	18 50 38
OV	eP	18 49 50
SH	eP	18 50 51
TUC	eP	18 49 39
	iP	49 54
Jan. 7		
HH	e(P)	03 08 33
SH	e	03 07 23
	e	07 28
Jan. 7		
HH	e(P)	07 09 53
Jan. 7, H = 09 37 35 By P&S, 32.1°N, 116.6°W. Lower California. Mag. 4.0		
BC	eP	09 38 40
	i(S)	39 46
OV	iP	09 38 49
	i	39 13
	iL	39 55
TUC	iP	09 38 49
	i	39 02
	i	39 05
	iS	39 42
	i	39 51
	iL	40 11
Jan. 7		
OV	e(P)	10 07 08
	i	07 40
TUC	e	10 07 15
Jan. 7		
BC	iP	10 12 31
HH	e(P)	10 12 42
	i	12 45
LOG	e	10 12 44
Jan. 7		
OV	iP	10 12 33
TUC	eP	10 12 30
Jan. 7		
BC	i(P)	11 21 44
HH	iP	11 21 57
OV	eP	11 21 45
TUC	eP	11 21 45
Jan. 7		
HH	eP	18 45 40
PF	e	18 46 11
Jan. 7		
PF	e	19 42 03
Jan. 7, H = 22 36 10** Cordoba Province, Argentina. h = about 100 km.		
BC	iP	22 48 26
	ipP	49 01
COL	eP	22 54 52
HH	iP	22 49 10
	ipP	49 49
LOG	eP	22 48 41
PF	iP	22 48 24
	ipP	49 02
SH	iP	22 49 01
TUC	iP	22 47 58
	ePP	50 50
Jan. 7		
HH	e	23 06 37
Jan. 7		
HH	e	23 34 26
Jan. 7		
OV	e	23 58 57
PF	e	23 59 06
Jan. 8		
COL	e	00 56 15
PF	e	00 55 30
SLC	iP	00 56 08
	e	56 34
Jan. 8		
COL	eP	01 02 55
Jan. 8, H = 04 11 20** Andreanof Islands, Aleutian Islands. Felt at Finger Bay.		
COL	e(P)	04 15 53
HH	eP	04 18 44
OV	i(P)	04 19 36
	i	19 52
PF	eP	04 19 40
TUC	eP	04 20 15
Jan. 8		
COL	iP	08 12 45
	e(S)	13 18
	eL	13 31
HH	eP	08 17 09
Jan. 8		
COL	e(P)	10 25 52
OV	e	10 20 22
Jan. 8		
HH	e(L)	12 01 55
OV	i	12 01 12
PF	e	12 01 06
Jan. 8		
HH	e(P)	20 33 21
Jan. 8, H = 20 42 55* 21½°S, 174°W. Tonga Islands. Felt in Nukualofa. h = about 100 km.		
BC	iP	20 54 58
COL	iP	20 55 37
	e	56 01
	iS	21 06 06
HH	iP	20 55 34.5
	ipP	55 59
	e(PP)	58 53
LOG	iP	20 55 26
	ipP	55 50
OV	iP	20 55 01
	ipP	55 26
	i	56 19
PF	iP	20 55 02
	ipP	55 26
	e	58 00
SH	iP	20 54 47
Jan. 8		
TUC	iP	20 55 03
	ipP	55 26
	e	57 06
	e	58 27
Jan. 8		
BC	e	22 03 52
Jan. 9, H = 01 25 10* 51°N, 176°W. Andreanof Islands, Aleutian Islands. Felt at Finger Bay. h = about 60 km.		
COL	eP	01 29 45
	iP	29 47.5
	i	30 20
	e	30 47
	e	33 25
	eL	37 36
HH	iP	01 32 39
	i	32 51
	e	33 03
PF	e	01 33 36
SH	e(P)	01 32 30
	i	32 42
TUC	iP	01 34 11
	epP	49 31
Jan. 9		
COL	e	01 51 38
Jan. 9		
HH	iP	02 04 51
TUC	eP	02 06 36
Jan. 9		
COL	e	02 37 52
Jan. 9		
COL	iP	02 58 05.5
SLC	eL	03 17 17
SH	e(P)	02 57 28
TUC	iP	02 57 51
Jan. 9		
COL	eP	04 13 39
HH	e(P)	04 16 30
Jan. 9		
COL	e	04 24 46
Jan. 9		
COL	e(P)	10 07 51
Jan. 9		
HH	iP	10 38 37.5

Date and Station	Phase	Phase (GCT) h m s
Jan. 9		
TUC	iP	10 35 47
Jan. 9, H = 13 24 57 By PAS, 34°05'N, 116°58'W. Near Forest Home, Calif. Felt. Mag. 3.9		
BC	iP	13 25 36.5
	i	25 43
	i(S)	26 17.5
OV	iP	13 25 45
PF	iP	13 25 44
	i	25 53
	i	26 33
TUC	iP	13 26 16.5
	i	26 28.5
	i	26 33.5
	iS	27 08
	i	27 19
	eL	27 48
Jan. 9		
COL	e	13 32 49
HH	eP	13 35 36
Jan. 9		
HH	e	14 13 42
Jan. 9		
HH	e	20 43 56
Jan. 9, H = 22 30 08 By PAS, 35°41'N, 117°53'W. Near China Lake, Calif. Mag. 2.8		
BC	iP	22 30 44
	i(S)	31 15
Jan. 9		
HH	iP	23 11 25
OV	eP	23 09 49
PF	iP	23 09 47
TUC	iP	23 09 05
Jan. 9		
BC	e	06 16 40
Jan. 10		
HH	e	00 25 45
Jan. 10		
TUC	eP	01 26 16
Jan. 10		
COL	e	02 13 45
Jan. 10, H = 03 05 47* 11°N, 103½°W. Off coast of Mexico.		
Jan. 10, cont. coast of Mexico. h = about 100 km. Mag. 6¼		
BER	e	03 16 19
	eS	21 07
	iScS	23 07
	eL	24 32
BC	e(P)	03 11 28
	e	14 18
BOZ	eS	03 18 25
	eL	21 21
BUT	eL	03 21 26
CHI	eP	03 12 31
	iS	18 07
	eL	23 20
COL	e	03 16 02
COLU	e(S)	03 17 14
	eL	20 08
HONO	eL	03 28 51
HH	eP	03 13 06
	e	14 56
LIN	eL	03 18 26
LOG	eP	03 12 16
	iS	17 33
	eL	18 53
OV	iP	03 11 35
	i	13 01
	eS	16 03
	e	16 53
	eL	18 00
PHIL	e	03 14 51
	eL	24 29
PF	eP	03 11 26
	i	12 17
	i	13 41
	e(S)	15 38
RC	eP	03 12 27
	e(S)	17 59
	eL	20 09
SJ	eL	03 21 16
SH	eP	03 12 29
	e	12 33
SIT	eL	03 28 08
TUC	eP	03 10 43
	i	10 51
	e	13 30
	eS	14 48
	eL	15 48
Jan. 10		
UK	eL	03 17 50
Jan. 10		
COL	e	08 23 48
TUC	e	08 31 41
Jan. 10		
COL	eP	08 58 05
OV	e	08 58 27
TUC	eP	08 58 38
Jan. 10		
COL	eP	09 38 38
Jan. 10		
COL	e(P)	09 10 29
Jan. 10, H = 09 46 56** Kurile Islands region.		
BC	eP	09 57 33
COL	iP	09 53 41
HH	iP	09 56 42
OV	iP	09 57 35
	i	57 47
PF	iP	09 57 39
	i	57 52
SH	e	09 56 44
	e	56 58
TUC	eP	09 58 07
	i	58 20
Jan. 10		
BC	e(P)	12 06 43
COL	e	12 02 49
HH	iP	12 05 47
	i	06 08
OV	iP	12 06 43
	i	07 03
PF	i(P)	12 06 48
	i	07 08
TUC	eP	12 07 21
	i	07 41
Jan. 10		
COL	eP	14 35 46.5
Jan. 10, H = 16 23 37** About 150 miles south of Falkland Islands.		
BER	eL	17 06 25
Jan. 10		
COL	e(P')	16 42 51
	e(PP)	46 29.5
HH	ePP	16 43 02
	ePKKP	53 09
PF	e	16 42 05
TUC	e	16 42 11
Jan. 10		
COL	e	18 55 01
Jan. 10		
BER	eL	19 54 33
BC	i	19 52 22
COL	e(P)	19 53 57
HH	e	19 52 22
OV	i	19 52 25
PF	e	19 52 01
	i	52 27
TUC	e	19 52 21
Jan. 11		
HH	iP	00 15 27
Jan. 11		
PF	i	00 25 05
Jan. 11		
OV	iP	02 14 42
PF	e(P)	02 14 38
TUC	e(P)	02 14 12
Jan. 11		
PF	e	02 27 35
Jan. 11		
HH	iP	07 50 53
	i	50 58
Jan. 11		
COL	e	08 01 49
HH	iP	07 58 05
	i	58 25
Jan. 11		
COL	e	10 37 19
HH	iP	10 36 30
Jan. 11		
COL	eP	12 48 05
Jan. 11		
OV	i(P)	13 02 37
TUC	iP	13 02 06

Date and Station		Phase (GCT) h m s
Jan. 11		
COL	e	13 13 34
HH	e(P)	13 03 18
	i	03 20
OV	e(P)	13 12 59
PF	i(P)	13 12 58
Jan. 11		
BH	iP	13 30 40
	iS	31 22
Jan. 11		
COL	e	13 50 26
Jan. 11		
OV	iP	13 52 48
	iS	53 37
PF	eP	13 52 45
	eL	53 55
Jan. 11, H = 18 58 26* 42°N, 135°E. Sea of Japan.		
BC	iP	19 10 36.5
COL	iP	19 07 06
	e	11 52
HH	iP	19 09 49
	i	09 52
	e	10 08
LOG	iP	19 10 25
OV	i(P)	19 10 37
PF	iP	19 10 39
	i	13 46
SH	iP	19 09 53
TUC	iP	19 11 03
Jan. 11		
HH	e(P)	21 00 50.5
Jan. 11		
HH	e(P)	21 06 07
Jan. 11		
COL	e	21 40 18
Jan. 11, H = 21 41 35 By PAS, 33°57'N, 118°21'W. Near Southgate, Calif. Felt in Los Angeles. Mag. 4.1		
OV	iP	21 42 37
	iL	43 40

Date and Station		Phase (GCT) h m s
Jan. 11		
PF	iP	21 42 37
	i(S)	42 50
	iL	43 45
TUC	e	21 43 46
Jan. 12		
COL	e(P)	02 37 55
Jan. 12		
COL	e	04 47 17
HH	eP	04 47 54
	i	47 57
LOG	e	04 48 17
SH	eP	04 48 15
TUC	e	04 48 20
Jan. 12		
COL	e	05 01 14
Jan. 12, H = 08 31 40** Fiji Islands region.		
BC	eP	08 44 28
COL	iP	08 44 44
HH	iP	08 44 52
PF	iP	08 44 53
SH	e	08 44 07
TUC	e	08 44 27
Jan. 12, H = 12 06 07* 18°S, 178°W. Fiji Islands region. h = about 550 km. Mag. 7.0		
BER	epP	12 26 28
	epPP	27 27
	iSKKS	31 12
	iS	32 39
	iPS	35 34
	i	36 26
	e(SS)	42 40
BC	iP	12 17 27
	epP	19 19
	iSKS	26 59
	e(PKKP)	36 03.5
BOZ	epP	12 20 10
	iSKS	27 43
COL	iP	12 17 52
	ipP	19 50
	epP	19 54
	iS	27 25
	i	29 25
	iPKKP	35 52

Date and Station		Phase (GCT) h m s
Jan. 12, cont.		
COL	eL	12 40 00
	eP'P'	43 44
	eP'P'P'	13 04 28
BUT	eP	12 18 10
	ePP	21 31
	iSKS	27 35
	i	27 51
CHI	iSKS	12 28 54
	iSKKS	29 37
	iS	30 07
	e(SSS)	44 23
HONO	iP	12 13 28
	epP	14 59
	iS	19 15
LIN	iS	12 28 22
	i	28 50
	i	29 08
	e	30 35
HH	iP	12 17 59
	i	18 17
	i	18 40
	i	19 01
	epP	19 55
	iPP	21 24
	i	22 06
	eSKS	27 34
	iSKS	27 37
	eSP	28 30
	ePKKP	35 48
	iPKKP	35 50
	eP'P'	43 47
LOG	iP	12 17 52
	ipP	19 50
	iPP	21 16
	iSKS	27 29
	eP'P'	43 56
	eSKPP'	46 32
OV	eP	12 17 30
	ipP	19 24
	iPP	19 55
	iS	26 59
PHIL	e	12 30 43
PF	iP	12 17 30
	i	20 05
	iPP	20 45
	i	23 55
	i	25 32
	iS	27 00
	i(PKKP)	36 05
	iP'P'	44 00
RC	eP	12 18 31
	iSKS	28 06
	eS	28 39
	eSP	29 51

Date and Station		Phase (GCT) h m s
Jan. 12		
SLC	epP	12 19 47
	ePP	21 20
	i	27 26
	i	28 56
	eSS	32 36
SJ	iSKS	12 29 53
	i	31 06
	ePS	33 54
SH	iP	12 17 14
	epP	19 09
	eS	26 20
	iS	26 24
	eP'P'	44 13
	eSKPP'	46 48
SIT	eP	12 17 38
	ePP	20 57
	iS	27 05
	eSS	32 40
TUC	iP	12 17 33
	ipP	19 30
	ePP	20 43
	ePPP	23 04
	eS	27 02
	iS	27 05
	i(PKKP)	36 05
	i(P'P')	44 03
	iSKPP'	46 48
UK	eP	12 17 08
	epP	19 03
	iS	26 07
	iScS	26 27
Jan. 12		
PF	i	16 19 57
Jan. 12, H = 17 09 53* 42°N, 142°E. Off south coast of Hokkaido, Japan. h = about 100 km.		
BC	iP	17 21 31
COL	iP	17 17 58
HH	iP	17 20 43
	ipP	21 12
LOG	eP	17 21 18
OV	iP	17 21 29
PF	iP	17 21 33
	i	22 27
SH	iP	17 20 44
TUC	iP	17 21 57
	epP	22 30
Jan. 12		
COL	e(P)	21 19 06

Date and Station	Phase	Phase (GCT) h m s
Jan. 13, H = 00 10 59* 5°S, 152°E. New Britain.		
BC	e	00 24 27
COL	iP	00 23 21.5
	e	23 38
HH	iP	00 24 30
	i	24 46
	i	25 07
OV	iP	00 24 27
	e	25 00
PF	iP	00 24 30
	i	25 00
SH	e(P)	00 24 00
Jan. 13, H = 00 35 35* 37°N, 141°E. Near east coast of Honshu, Japan. h = about 60 km.		
BC	iP	00 47 36
	epP	47 49
COL	eP	00 44 19
HH	iP	00 46 47
	ipP	47 10
OV	iP	00 47 35
	ipP	47 49
	i	48 12
PF	iP	00 47 38
	ipP	47 53
SH	iP	00 47 05
TUC	eP	00 48 02
	epP	48 16
Jan. 13		
COL	eP	04 24 22.5
Jan. 13, H = 05 07 19 By PAS, 34°01'N, 116°29'W. Near Desert Hot Springs, Calif. Felt. Mag. 4.1		
BC	iP	05 07 58
	i	08 31
OV	iP	05 08 07
	i	08 16
	iL	08 44
PF	iP	05 08 06
	i	08 17
	iL	08 43
Jan. 13		
TUC	iP	05 08 32
	i	08 39.5
	i	08 54
	i	09 06
	iS	09 24
	i	09 47
	eL	10 02
Jan. 13		
COL	e	07 32 20.5
Jan. 13, H = 07 52 40** New Hebrides Islands.		
BC	e	08 05 38
COL	e	08 05 35
OV	iP	08 05 40
PF	iP	08 05 41
	i	05 56
SH	e(P)	08 05 21
TUC	e	08 05 45
Jan. 13		
PF	i(P)	08 10 56
Jan. 13, H = 10 10 05** Northern Chile-Argentina border. Felt.		
BC	iP	10 21 42
HH	iP	10 22 29
LOG	eP	10 21 56
OV	iP	10 21 42
PF	iP	10 21 40
SH	iP	10 22 22
TUC	iP	10 21 11
Jan. 13, H = 12 18 31 By BERK, 40.3°N, 124.4°W. Near Punta Gorda, Calif. Felt in Ferndale, Scotia, and Cape Mendocino Light Station. Mag. 4.3		
HH	eP	12 21 08
	i	21 19.5
SH	iP	12 18 57.5
	e(S)	19 13
	eL	19 27
Jan. 13		
COL	eP	12 27 41
Jan. 13		
HH	e(P)	12 26 52
Jan. 13		
COL	e	17 30 03
HH	iP	17 32 13
	i	32 41
OV	i(P)	17 32 38
PF	iP	17 32 42
	i	33 12
SH	i(P)	17 32 00
	i	32 33
Jan. 13, H = 23 52 29* 4½°S, 153½°E. New Britain region.		
BER	e	00 16 32
	e(SKKS)	22 13
	eL	57 30
BC	e(PP)	00 06 07
COL	iP	00 04 49
	e	08 38
	e(S)	15 12
HH	eP	00 05 56
	i	06 31
	e(PP)	09 41
LOG	ePP	00 09 47
OV	i	00 06 20
PF	e(P)	00 05 56
	e(PP)	09 45
SH	e(P)	00 05 50
SIT	eL	00 30 04
TUC	e	00 06 27
	ePP	10 15
	ePKKP	22 51
	eL	37 22
Jan. 14		
COL	eP	01 00 40
Jan. 14		
COL	e	03 06 31
Jan. 14		
BC	i	06 19 07
COL	iP	06 14 57
	i	15 04
	i	15 15
	e(S)	19 08
HH	iP	06 18 02
Jan. 14		
OV	i	06 19 00
PF	i	06 19 10
	i	19 31.5
SH	eP	06 17 58
TUC	eP	06 19 33
	ePP	21 30
Jan. 14, H = 08 51 50** Revilla Gigedo Islands, off west coast of Mexico.		
PF	e	08 55 53
TUC	eP	08 55 01
Jan. 14, H = 13 24 37* 21°S, 71°W. Off coast of northern Chile. Felt. h = about 100 km.		
BC	iP	13 35 48
	i	37 01
HH	iP	13 36 41
	ipP	36 53
LOG	eP	13 36 03
OV	iP	13 35 48
	ipP	36 05
	iPP	37 36
PF	iP	13 35 46
	i(pP)	36 00
SH	eP	13 36 30
	ipP	36 45
TUC	iP	13 35 16
	ipP	35 30
	ePP	37 30
Jan. 14		
COL	e	13 42 54
	e	43 27
PF	i	13 42 51
SH	e	13 42 40
TUC	eP	13 42 49
Jan. 14		
TUC	e	19 01 46
Jan. 14, H = 19 52 30 By BERK, 40°13'N, 124°25'W. Near Punta Gorda, Calif. Felt. Mag. 4.6		

Date and Station	Phase	Phase (GCT) h m s
Jan. 14		
HH	iP	19 55 08.5
	e	55 15
LOG	e	19 55 02
	eL	57 14
OV	i(P)	19 54 44
	i	55 31
SH	iP	19 52 57
	e(S)	53 16
	eL	54 28
TUC	iP	19 55 46
	eL	20 00 00
UK	e(P)	19 52 57
	e(S)	53 09
	eL	53 19
Jan. 14		
COL	e	20 01 35
Jan. 14		
SH	e	21 40 14
TUC	eP	21 40 24
Jan. 15		
COL	e(P)	00 14 25
HH	iP	00 16 59
Jan. 15		
COL	e	00 19 43
Jan. 15		
SH	i	05 20 13
Jan. 15		
COL	eP	09 15 36
PF	e	09 14 39
SH	e	09 18 21
TUC	iP	09 13 42
Jan. 15		
COL	e	09 33 54
Jan. 15		
OV	iP	11 50 03
Jan. 15		
BC	iP	15 15 57
COL	eP	15 20 34
HH	iP	15 17 35
LOG	e	15 16 39
OV	iP	15 16 00
PF	iP	15 15 56

Date and Station	Phase	Phase (GCT) h m s
Jan. 15		
SH	eP	15 16 58
	e	19 41
TUC	eP	15 15 11
	iP	15 12
	eS	18 58
	eL	20 53
Jan. 15		
SJ	eP	17 32 21
	eS	32 26
	eL	32 28
Jan. 15		
COL	eP	18 03 39
HH	e	18 08 55
PF	e	18 09 56
Jan. 15, H = 21 02 26** Kermadec Islands.		
BC	e	21 15 21
COL	e	21 16 02
OV	iP	21 15 24
PF	i(P)	21 15 25
SH	e	21 15 14
TUC	eP	21 15 23
	iP	15 24
Jan. 15, H = 23 52 20* 7°S, 156°E. Solomon Islands region.		
BC	iP	00 05 47.5
COL	iP	00 04 49
HH	eP	00 05 53
OV	iP	00 05 48
PF	iP	00 05 51
SH	e	00 05 22
TUC	e	00 09 52
Jan. 16		
COL	iP	00 51 18
Jan. 16, H = 04 24 56* 44½°N, 26°E. Southern Romania. Felt in Bucharest. h = about 150 km.		
COL	eP	04 36 00
HH	iP	04 37 00
	ipP	37 31

Date and Station	Phase	Phase (GCT) h m s
Jan. 16		
PF	iP	04 37 55
	ipP	38 31
TUC	iP	04 38 04
	epP	38 40
Jan. 16		
COL	e	08 05 35
Jan. 16, H = 20 34 43 By PAS, 32°40'N, 116°45'W. Near Dulzura, Calif. Mag. 2.6		
BC	e	20 35 40
Jan. 16		
HH	iP	21 46 24
OV	i	21 46 23
PF	e	21 46 10
SH	iP	21 44 17
	eS	44 42
	eL	45 00
Jan. 17		
OV	i	00 51 45
PF	eP	00 51 29
	eL	52 14
TUC	iP	00 51 34.5
	i	51 43.5
	i	51 50
	i	52 13
	iS	52 24.5
	iL	52 32
Jan. 17		
OV	i	02 24 29
PF	e	02 24 30
TUC	e	02 24 12
	e	24 28
Jan. 17		
COL	iP	07 09 33
HH	iP	07 11 31
OV	e	07 15 13
SH	e	07 11 28
TUC	e	07 10 24
	e	17 02
Jan. 17		
OV	iP	10 03 42
PF	i	10 03 41
TUC	iP	10 03 41

Date and Station	Phase	Phase (GCT) h m s
Jan. 17, H = 10 58 12* 0°, 25°W. Atlantic Ocean.		
BC	e	11 11 15
COL	e	11 12 16
HH	iP	11 11 11
	e(PP)	14 41
LOG	eP	11 11 03
	e	14 13
OV	eP	11 11 14
PF	e	11 11 12
TUC	eP	11 10 59
	ePP	14 46
Jan. 17		
HH	iP	13 13 16
Jan. 17		
COL	i(P)	16 27 36
HH	iP	16 29 50
SH	eP	16 29 43
Jan. 17		
COL	i(P)	16 30 25.5
HH	iP	16 32 40
SH	eP	16 32 33
Jan. 17		
TUC	eP	16 32 40
	i(S)	33 20
	iL	33 34
Jan. 17		
PF	eP	18 05 46
TUC	eP	18 05 48
Jan. 17		
HH	iP	20 42 14
PF	i(P)	20 41 49
Jan. 17		
TUC	iP	20 41 50
Jan. 17		
COL	e(P)	20 53 19
Jan. 18, H = 01 55 51* 40½°N, 110½°W. Northern Utah. Felt in Colorado. Mag. 5 - 5½		
BC	iP	01 57 16.5
	e(L)	58 29
COL	e	02 02 27

Date and Station	Phase	Phase (GCT) h m s
Jan. 18		
HH	iP	01 57 53
LOG	iP	01 56 23
	i	56 24
	iS	56 44
	iL	57 33
OV	iP	01 57 08
	i	57 20
	iL	58 17
PF	eP	01 57 10
	iP	57 11
	i	57 24
	i(S)	58 30
SLC	iP	01 56 08
	i	56 22
	eL	56 32
SH	e(P)	01 58 03
TUC	eP	01 57 52
	e	58 13
	i	58 20
	i	58 36
	i(S)	59 23
	i	59 41
	eL	59 51
Jan. 18		
BC	e	06 18 18
COL	e	06 16 15
HH	e	06 18 01
OV	e	06 18 24
PF	(e)	06 16 50
	e	18 20
SH	eP	06 17 45
Jan. 18		
COL	e(P)	09 30 44
	i	30 51
Jan. 18		
BC	e	11 14 11
HH	eP	11 15 12
OV	e	11 14 11
PF	e	11 14 07
TUC	eP	11 13 29
Jan. 18		
COL	e	12 55 49
Jan. 18		
BC	e	16 52 04
COL	e	16 51 09

Date and Station	Phase	Phase (GCT) h m s
Jan. 18		
HH	iP	16 49 32
	i	51 50
PF	e	16 52 02
SH	e	16 51 48
Jan. 18		
COL	iP	17 03 05.5
	eL	04 00
Jan. 18		
BH	iP	19 07 23
	iS	08 09
Jan. 18		
BC	e	21 27 49.5
COL	e	21 25 46
HH	iP	21 27 33
	i	27 35
OV	i	21 27 50
PF	i	21 27 52
SH	e(P)	21 27 14
Jan. 18		
COL	e(P)	23 10 00
PF	e(P)	23 09 26
	i	09 29
Jan. 19		
PF	e	02 23 16
Jan. 19, H = 02 33 49 By PAS, 34°16'N, 117°01'W. West of Big Bear, Calif. Mag. 3.1		
BC	e	02 34 36
OV	e	02 34 47
	iL	35 25
PF	eP	02 34 38
	iL	35 28
Jan. 19		
BH	iP	02 42 15
	iS	42 35
Jan. 19, H = 09 33 48 By PAS, 33°45'N, 118°26'W. Near Point Vincente, Calif. Felt in Santa Monica, Beverly Hills, Hollywood, and San Pedro. Mag. 3.6		
BC	iP	09 34 46
	e(L)	35 46

Date and Station	Phase	Phase (GCT) h m s
Jan. 19		
OV	iP	09 34 55
	i(S)	35 23
PF	iP	09 34 55
	i(S)	35 17
Jan. 19		
HH	e(P)	09 58 00
LOG	e	10 01 34
OV	iP	10 01 41
PF	e(P)	10 01 42
TUC	eP	10 01 56
Jan. 19		
COL	e	11 49 39.5
HH	e	11 48 20.5
PF	e	11 50 09
SH	e	11 48 40
Jan. 19		
HH	e(P)	12 26 57
Jan. 19		
COL	e	13 49 51
HH	e(P)	13 46 39
OV	iP	13 45 02
PF	eP	13 44 55
TUC	eP	13 44 03
Jan. 19		
HH	iP	17 21 49
Jan. 19		
COL	eP	17 29 00
HH	e	17 31 03
Jan. 19, H = 17 27 18* 27½°N, 53°E. Near south coast of Iran. 20 killed, many injured.		
BC	eP'	17 46 05
COL	iP	17 40 03
	i	40 50
	e(PP)	43 33
	ePKKP	57 57.5
HH	eP	17 41 21
	i(PP)	44 39
	i	18 08 39
TUC	eP'	17 46 09

Date and Station	Phase	Phase (GCT) h m s
Jan. 19, H = 21 48 50** Near south coast of Alaska.		
BC	e	21 55 48
COL	iP	21 50 42
	eL	52 12
HH	iP	21 54 20
PF	iP	21 55 42
SH	e(P)	21 54 36
Jan. 19		
COL	e(P)	23 10 54
Jan. 19, H = 23 10 55** Iran aftershock.		
COL	eP	23 23 40
Jan. 20		
HH	e	01 34 17
Jan. 20		
BC	e(P)	02 34 05
COL	eP	02 38 07.5
	i(pP)	38 22.5
HH	iP	02 35 12
	i	35 26
	i	36 07
PF	e	02 34 00
TUC	e(P)	02 33 22
	e	33 26
	e	36 31
Jan. 20		
COL	e	05 34 36
Jan. 20		
COL	e	05 48 04
HH	e(P)	05 50 02
Jan. 20, H = 07 24 32** Near south coast of Alaskan Peninsula.		
COL	iP	07 26 38.5
	eS	28 06
	i	28 15
	eL	28 52
HH	eP	07 30 07
OV	e	07 31 15
PF	e	07 31 25
TUC	e	07 32 07

Date and Station	Phase	(GCT)
		h m s
Jan. 20, H = 18 37 30* 62°N, 152°W. Southern Alaska. h = about 100 km.		
BC	e	18 44 19
BOZ	eL	18 53 05
CHI	eL	18 59 53
COL	iP	18 38 23
	iS	39 10
	eL	40 36
COLU	e	18 47 37
	e	50 33
	eL	19 04 04
HH	eP	18 42 51
	e(S)	47 34
LIN	eL	18 57 07
LOG	e	18 58 56
OV	iP	18 44 18
PF	e	18 44 35
RC	e	18 44 28
	eS	49 33
	eL	54 37
SH	eP	18 43 16
SIT	e	18 41 50
	eL	42 40
TUC	eP	18 45 01
Jan. 20		
COL	iP	19 20 40
	e(S)	21 25
	e(L)	21 46
HH	eP	19 25 12
PF	e	19 26 40
Jan. 20		
HH	eP	23 24 36
	i	25 13
Jan. 20, H = 23 15 35* 28°S, 63½°W. Santiago del Estero, Argentina. h = about 600 km.		
BC	eP	23 26 52
	epP	28 53
BOZ	eL	23 43 21
COL	e(P)	23 21 43.5
	e	23 16
HH	iP	23 27 31

Date and Station	Phase	(GCT)
		h m s
Jan. 20		
OV	iP	23 26 53
	epP	28 55
PF	eP	23 26 50
	epP	28 52
SH	iP	23 27 27
	epP	29 31
TUC	eP	23 26 25
Jan. 21		
OV	eP	02 14 33
PF	eP	02 14 33
TUC	eP	02 14 34
Jan. 21, H = 04 30 41* 63°N, 143½°W. Central Alaska.		
BC	eP	04 37 17
COL	iP	04 31 15
	eS	32 00
	eL	33 00
HH	iP	04 35 57
PF	e	04 37 30
SH	e	04 36 24
TUC	eP	04 38 08
	e	40 09
WASH	eP	04 45 50
Jan. 21		
BC	e	08 52 59
HH	e	08 52 58
	e	53 07
OV	e	08 52 58
PF	e	08 52 57
Jan. 21		
HH	iP	09 37 34
Jan. 21		
HH	eP	09 41 44
Jan. 21		
BC	e	11 36 59
OV	i(P)	11 37 00
PF	e	11 36 55
TUC	e	11 36 07
	eL	41 08
Jan. 21, H = 14 09 50* 36°S, 72°W. Off		

Date and Station	Phase	(GCT)
		h m s
Jan. 21, cont. coast of central Chile. Felt. h = about 100 km.		
BC	iP	14 22 04
	ipP	22 23
COL	eP	14 26 14
	i	28 24
	e	29 49
HH	iP	14 22 51
	epP	23 09
	i(sP)	23 17
	i	23 26
	ePP	26 20
	i(PKKP)	40 07
	i	40 47
LOG	eP	14 22 21
	epP	22 41
	ePP	25 42
	eS	32 48
OV	iP	14 22 05
	ipP	22 24
	iPP	25 35
	e(S)	32 49
	iPKKP	40 33
PF	iP	14 22 02
	ipP	22 22
SJ	e	14 20 03
	eS	27 05
	eSS	30 44
	eL	32 05
SH	iP	14 22 38
	epP	22 57
TUC	iP	14 21 36
	ipP	21 55
	ePPP	26 34
	e(S)	31 41
WASH	eP	14 21 20
	ipP	21 42
Jan. 21		
COL	iP	14 31 01.5
	e(S)	32 02
	e(L)	32 36
Jan. 21		
TUC	eP	14 37 19
	e	37 29
	i	37 34
	i(S)	38 01
	i	38 10
	i	38 24
	e(L)	38 36
Jan. 21		
BC	i	14 48 01

Date and Station	Phase	(GCT)
		h m s
Jan. 21		
OV	eP	14 45 36
	i	46 21
	eL	47 40
PF	e	14 45 33
	i	47 17
TUC	eP	14 44 23
	i	44 40
	i	45 07
	i	45 33
	i(S)	45 46
	iL	45 56.5
Jan. 21		
BC	e	14 56 03
OV	e(P)	14 55 49
	i(S)	57 53
	i	58 28
TUC	eP	14 55 07
	i	55 15
	e	55 20
	i(S)	55 45
	i	55 57
	i	56 05
	iL	57 06
Jan. 21		
COL	e	15 05 16
HH	iP	15 03 58.5
PF	e	15 03 57
SH	eP	15 04 00
Jan. 21		
LOG	eP	15 27 25
	e(S)	29 16
	eL	30 08
OV	i	15 28 55
PF	e(P)	15 26 46
TUC	i	15 26 07
	i	26 20
	i	26 26
	i(S)	26 41
	i	27 00
	i	27 07
	eL	27 09
Jan. 21		
OV	e	16 10 44
	e	11 07
PF	e	16 09 00
TUC	eP	16 08 16
	i	08 27
	i	08 35
	e(S)	08 49
	eL	09 30

Date and Station	Phase	Phase (GCT) h m s
Jan. 21		
BC	e	16 50 04
OV	i	16 50 18
PF	e	16 48 00
TUC	eP	16 47 24
	i	47 33.5
	i	47 37
	i	48 08
	i(S)	48 19
	i	48 29
	iL	48 53
Jan. 21, H = 17 11 41 By BERK, 38°36'N, 119°09'W. Near Wichman, Nev. Mag. 3.5		
BC	e	17 14 09
COL	e	17 15 21
OV	i	17 13 56
	i	14 09
PF	e	17 13 00
SH	eP	17 12 35
	e(S)	13 18
	eL	13 24
Jan. 21		
COL	eP	20 49 22
OV	i(P)	20 53 28
PF	i(P)	20 53 33
SH	eP	20 52 36
Jan. 21		
PF	e	23 02 35
Jan. 22, H = 01 04 30* 30°N, 139°E. Off south coast of Honshu, Japan. h = about 300 km.		
BC	iP	01 16 34.5
COL	e	01 13 42.5
	e(P)	13 43
HH	iP	01 16 02
	i	17 13
OV	iP	01 16 34
	ipP	17 50
PF	iP	01 16 36
	ipP	17 52
SH	eP	01 15 54
	epP	17 08
Jan. 22		
TUC	eP	01 16 59
Jan. 22, H = 03 18 17** Near west coast of Colombia.		
BC	eP	03 26 46
COL	i(P)	03 30 15.5
HH	eP	03 27 40
	i	28 48
LOG	e	03 27 00
OV	eP	03 26 46
PF	i(P)	03 26 42
TUC	eP	03 26 07
	e	28 04
Jan. 22, H = 04 07 15* 28°N, 53°E. Near south coast of Iran.		
COL	e(P)	04 19 56.5
	e	20 39
	e(PP)	26 05
HH	e(P)	04 21 17
OV	e	04 19 59
	i	20 18
PF	e	04 20 00
TUC	e	04 26 03
	e(PP)	27 40
	eL	05 16 24
Jan. 22		
OV	i(P)	05 00 21
PF	e(P)	05 00 21
TUC	eP	05 00 23
Jan. 22		
COL	iP	05 34 19
	e(S)	35 17
	e(L)	35 33
HH	e	05 40 37
Jan. 22		
COL	iP	05 57 59
	e	58 10
	e	58 50
	e(S)	58 58
	e(L)	59 17
Jan. 22, H = 07 50 41** Tonga Islands region.		
BC	eP	08 02 59
Jan. 22		
COL	eP	08 03 40
LOG	eP	08 03 25
OV	iP	08 03 03
	i	03 29
PF	eP	08 03 03
SH	e(P)	08 02 52
TUC	eP	08 03 02
Jan. 22		
COL	e	09 55 29
Jan. 22, H = 10 05 50** Southern Alaska. h = about 100 km.		
BC	eP	10 12 16
COL	eP	10 06 33
	eS	07 20
	eL	07 52
HH	iP	10 11 00
	i	11 04
	i	11 17
OV	eP	10 12 24
	i	13 58
	i	14 57
PF	eP	10 12 30
SH	eP	10 11 28
SIT	eL	10 10 50
TUC	eP	10 13 09
Jan. 22		
HH	iP	10 18 12
OV	e	10 18 43
Jan. 22		
BC	iP	20 59 00
COL	iP	20 55 38
HH	iP	20 58 15
OV	iP	20 58 59
PF	eP	20 59 02
SH	iP	20 58 19
TUC	e(P)	20 59 25
Jan. 22		
BC	e	22 15 40
Jan. 22		
OV	e	22 15 53
	i	16 48
	i	18 01
PF	e(P)	22 15 49
	i	16 40
SH	e	22 17 48
TUC	e(P)	22 16 06
	e	17 04
	e(L)	18 09
Jan. 23		
HH	eP	04 56 03
	eL	57 20
Jan. 23		
HH	e	07 20 37
	eL	22 39
Jan. 23, H = 09 30 16** Off southwest coast of Greece.		
COL	eP	09 42 15
HH	iP	09 42 57
	i	43 08
Jan. 23, H = 09 59 52* 10½°N, 125½°E. Philippine Islands.		
BC	e	10 18 36
COL	iP	10 11 59.5
	i	12 55
	e(PP)	14 57
HH	iP	10 13 47
	e	17 28
	i	17 53
	e(PKKP)	29 52
LOG	eP	10 14 10
	eP'	17 35
	ePP	18 38
OV	e(P)	10 14 15
	iPP	18 29
	e	29 34
	i	29 50
PF	e(P)	10 14 02
	i	18 08
	iPP	18 26
SH	eP	10 13 39
	e	17 41
TUC	e	10 17 47
	e	19 10
	e	29 30

Date and Station	Phase	Phase (GCT)
		h m s
Jan. 24, H = 01 46 50** Tonga Islands region. h = about 600 km.		
COL	eP	01 58 45
OV	iP	01 58 19
SH	eP	01 58 06
TUC	iP	01 58 21
Jan. 24, H = 01 54 00** Near west coast of Honshu, Japan. Felt in Nagoya and Osaka.		
COL	eP	02 03 18
HH	iP	02 05 49
SH	eP	02 05 48
Jan. 24, H = 02 55 40** Kermadec Islands region.		
COL	eP	03 09 09
	e	09 39
OV	iP	03 08 35
SH	iP	03 08 24
	e	08 46
TUC	iP	03 08 35
Jan. 24		
HH	eP	04 24 39
	i	25 57
	iL	26 08
LOG	e	04 24 03
	i	24 40
Jan. 24, H = 05 37 50** Fiji Islands region. h = about 500 km.		
COL	iP	05 49 24
	epP	51 14
HH	iP	05 49 32
SH	iP	05 48 45
TUC	iP	05 49 06
	epP	50 47
Jan. 24, H = 05 52 05* 18°N, 63°W. Leeward Islands.		
COL	eP	06 03 30
HH	iP	06 01 10

Date and Station	Phase	Phase (GCT)
		h m s
Jan. 24		
SJ	eP	05 52 56
	e	53 10
	eS	53 20
	eL	53 28
SH	eP	06 01 41.5
TUC	iP	06 00 27
Jan. 24		
COL	e	09 29 31.5
Jan. 24		
COL	e(P)	10 33 58.5
Jan. 24, H = 16 47 13* 14½°S, 167°E. New Hebrides Islands. h = about 150 km. Mag. 6½		
BC	iP	16 59 55
	ipP	17 00 38
	i(PP)	03 28
	ePPP	04 28
	eS	10 16
	iPKKP	17 37
	eP'P'	25 38
BOZ	iS	17 10 45
	eL	25 05
CHI	e	17 13 34
	e(SS)	21 02
	eL	35 48
COL	eP	16 59 40
	iP	59 41
	ipP	17 00 32
	eSKS	09 47
	iS	09 54
	iPKKP	17 39
	eP'P'	25 31
	eP'P'P'	46 06
HONO	eS	17 02 45
	eL	07 47
HH	iP	17 00 15
	ipP	01 02
	eSKS	10 31
	iSKS	10 38
	iPS	12 03
	iPKKP	17 12
	e	25 32
LOG	eP	17 00 15
	epP	00 57
	ePP	04 01
	e(SKS)	10 36
	e(P'P')	25 38
	eL	25 45
OV	iP	16 59 58
	ipP	17 00 50
	e(SS)	25 33

Date and Station	Phase	Phase (GCT)
		h m s
Jan. 24		
PF	iP	16 59 59
	ipP	17 00 47
	eS	10 19
SLC	eP	17 00 12
	eS	10 36
	e	11 02
	e	13 20
	eL	32 30
SJ	e(SKS)	17 10 15
	i	11 06
	eL	25 20
SH	iP	16 59 37.5
	e	17 00 00
	i(pP)	00 20
	ePP	02 55
	eS	09 44
	ePKKP	17 44
SIT	eP	16 59 40
	iS	17 09 53
	eSS	15 42
	eL	22 15
TUC	eP	17 00 06
	iP	00 08
	e(pP)	00 46
	epP	00 59
	ePP	03 12
	ePPP	05 53
	eSKS	10 22
	eS	10 56
	e(PS)	12 00
	eSS	17 02
	e(PKKP)	17 31
	eL	23 38
	e(P'P')	25 44
UK	eS	17 09 36
	e(SS)	14 30
	eL	22 16
Jan. 24		
COL	e	20 56 50
	e	56 54
HH	iP	21 00 02
Jan. 24, H = 21 56 59 By PAS, 34°40'N, 118°50'W. South of Gorman, Calif. Felt in Filmore and Piru. Mag. 4.0		
BC	iP	21 58 00.5
	i(S)	58 55
OV	eP	21 58 03
	i(S)	59 06
	i	59 19
PF	eP	21 58 01
	i	58 36
	i(S)	59 17

Date and Station	Phase	Phase (GCT)
		h m s
Jan. 24		
SH	e(P)	21 59 20
	e(L)	22 00 11
TUC	e(P)	21 59 25
	i	59 52
	iS	22 00 53
	iL	01 33
Jan. 24		
HH	eP	23 30 24
Jan. 25, H = 00 41 09** New Britain region.		
COL	iP	00 53 35
	e	54 06
HH	iP	00 54 45
OV	e	00 56 37
Jan. 25, H = 02 09 38* 27°S, 177°W. Kermadec Islands region.		
COL	eP	02 23 01
LOG	eP	02 22 47
OV	iP	02 22 25
	i	22 37
PF	eP	02 22 26
	i	22 37
SH	eP	02 22 14
TUC	eP	02 22 23
	iP	22 24
	eL	58 00
Jan. 25		
HH	eP	05 04 06
	iL	04 48
Jan. 25, H = 06 03 41** About 200 miles south of Panama.		
BC	iP	06 11 43
HH	eP	06 12 44
PF	eP	06 11 40
TUC	eP	06 11 02
Jan. 25		
HH	iP	08 06 58
	i	07 38
Jan. 25, H = 08 04 57** Kermadec Islands region.		
COL	eP	08 18 22

Date and Station		Phase (GCT) h m s
Jan. 25		
HH	iP	08 19 54
OV	iP	08 12 45
	i	18 00
	i	21 04
TUC	eP	08 17 43
	e	21 02
Jan. 25		
COL	(e)	11 26 07
HH	iP	11 28 18
Jan. 25		
HH	iP	11 43 36
Jan. 25		
COL	e	11 53 33
HH	iP	11 55 43
Jan. 25		
COL	eP	12 10 12.5
HH	iP	12 12 23
Jan. 25		
COL	e	13 33 30
	e	33 33
HH	e	13 31 11
PF	c	13 30 49
SJ	eP	13 22 43
	eS	23 04
	iL	23 10
Jan. 25		
HH	e(P)	16 17 06
	eL	17 27
Jan. 25		
BC	e	17 05 52
COL	e	17 06 42
HH	e(P)	17 05 19
PF	i	17 05 47
Jan. 25		
HH	e(P)	18 53 21
Jan. 25		
HH	e(P)	20 13 42
Jan. 25		
COL	eP	21 03 49
HH	eP	21 08 30
	i	08 35
OV	e	21 03 20
PF	e	21 03 20

Date and Station		Phase (GCT) h m s
Jan. 25		
COL	e	23 51 21
Jan. 26, H = 03 52 21* 18°S, 178°W. Fiji Islands region. h = about 600 km.		
BC	eP	04 03 37
	ipP	05 37
COL	iP	04 04 01.5
	ipP	06 04
	eS	13 46
HH	iP	04 04 09
	epP	06 11
LOG	eP	04 04 02
	epP	06 02
OV	iP	04 03 40
	ipP	05 38
PF	iP	04 03 41
	ipP	05 39
SH	eP	04 03 24
	i(pP)	05 22
TUC	iP	04 03 43
	epP	05 42
	ipP	05 44
	e	11 34
Jan. 26		
HH	i(P)	04 21 56
Jan. 26		
COL	eP	07 54 39
HH	eP	07 57 37
OV	iP	07 58 27
PF	iP	07 58 31
SH	eP	07 57 36
TUC	e	07 58 59
Jan. 26		
COL	e	09 02 18
HH	i(P)	09 04 41
Jan. 26, H = 11 06 11** South of Fiji Islands.		
BC	iP	11 19 07.5
	e	26 24
COL	iP	11 19 33.5
	eS	29 31
HH	iP	11 19 40
	i(pP)	19 50
	ePP	23 17

Date and Station		Phase (GCT) h m s
Jan. 26		
LOG	eP	11 19 30
OV	iP	11 19 09
	i	19 25
PF	iP	11 19 11
	i(pP)	19 16
SH	iP	11 18 54.5
TUC	iP	11 19 13
	i	19 30
Jan. 26		
OV	e(P)	11 24 03
	e	26 30
PF	e(P)	11 23 46
	e(S)	26 02
TUC	eP	11 22 47
	i	23 04
	i	23 08.5
	i(S)	23 26
	i	23 45
	iL	23 59
Jan. 26		
COL	eP	13 56 37.5
	iP	56 38.5
Jan. 27		
OV	i(P)	02 43 50
PF	e	02 43 50
Jan. 27		
COL	eP	02 52 55
Jan. 27		
HH	eP	07 16 35
Jan. 27, H = 08 25 50** Tonga Islands.		
COL	iP	08 38 23
HH	e(P)	08 38 25
OV	iP	08 37 51
PF	i(P)	08 37 52
SH	e(P)	08 37 35.5
TUC	e(P)	08 37 54
Jan. 27, H = 10 47 18* 42°N, 125°W. Off Cape Mendocino, Calif.		
HH	iP	10 49 44
	e(PP)	52 00
LOG	e	10 49 47
OV	eP	10 49 49

Date and Station		Phase (GCT) h m s
Jan. 27		
PF	eP	10 49 57
SH	iP	10 48 00
	e	48 24
	e(S)	48 31
	i(S)	48 34
	eL	48 42
TUC	iP	10 51 02
	e(S)	53 51
UK	eL	10 49 29
Jan. 27		
HH	eP	13 56 25
Jan. 27		
COL	e(P)	16 30 31
HH	eP	16 30 39
OV	iP	16 30 10
PF	iP	16 30 11
SH	eP	16 30 24
TUC	eP	16 30 14
Jan. 27, H = 19 18 10* 17°S, 173°W. Samoa Islands region. Felt in Apia.		
BC	iP	19 30 00.5
COL	eP	19 30 39
	iP	30 40
	i	31 00
	eS	40 58
	e	41 22
	e(PKKP)	48 06
HONO	eP	19 25 41
	eL	35 06
HH	iP	19 30 36
	e	30 53
	ePP	33 53
	e(P'P')	57 09
LOG	eP	19 30 26
	e	30 59
OV	iP	19 30 01
	i	30 21
PHIL	eL	20 02 06
PF	iP	19 30 02
SH	eP	19 29 45
	iP	29 46
TUC	eP	19 30 03
	iP	30 04
	e	30 30

Date and Station		Phase (GCT)
		h m s
Jan. 27		
TUC, cont.		
	e	19 40 26
	eL	53 00
Jan. 27, H = 20 36 57 By PAS, 33°26'N, 116°16'W. Santa Rosa Mountains, Calif. Mag. 3.4		
BC	e(P)	20 37 53
	i	38 50.5
COL	e(P)	21 29 16
OV	eP	20 38 02
	eL	38 58
PF	eP	20 37 50
	i(S)	38 49
TUC	eP	20 38 27
	i	38 30
	i	38 46
	i(S)	39 33
	iL	39 57
Jan. 27		
HH	iP	21 56 07
	iL	56 27
Jan. 28		
OV	iP	08 21 49
PF	iP	08 21 50
TUC	iP	08 21 50
Jan. 28		
COL	e(P)	13 15 59
Jan. 28		
TUC	eP	17 59 20
	e	59 29
	i	59 31
	i	59 35
	i(S)	59 54
	i	18 00 11
	iL	00 19
Jan. 28		
COL	e	18 50 43
HH	e(P)	18 53 03
Jan. 28, H = 19 28 03** South of Fiji Islands. h = about 500 km.		
BC	iP	19 40 00
COL	eP	19 40 28
	e	42 21
HH	i(P)	19 40 31

Date and Station		Phase (GCT)
		h m s
Jan. 28		
OV	iP	19 40 01
	e	41 58
PF	iP	19 40 02
	i	41 49
TUC	iP	19 40 03
	e	41 59
Jan. 29		
COL	e	01 21 10
HH	iP	01 19 59
	i	20 12
TUC	e	01 19 42
	i	19 46
Jan. 29		
COL	e	03 13 23
HH	eP	03 10 14
TUC	eP	03 07 57
	i	08 08
	e	14 39
Jan. 29		
PF	e	07 00 12
SH	e	06 59 19
Jan. 29		
TUC	iP	08 41 26
	i	41 36
Jan. 29		
COL	e(P)	09 08 56
PF	e	09 08 31
SH	e(P)	09 08 15
TUC	iP	09 08 33
Jan. 29		
TUC	iP	09 19 56
	i	20 06
	e	20 08
	i	20 11
	i(S)	20 37
	i	20 48
	i	20 57
	iL	21 17
Jan. 29		
COL	e	15 40 04
PF	iP	15 39 32
TUC	iP	15 39 34
Jan. 30, H = 00 56 32* 53°S, 72°W. Southern Magellanes Province, Chile. Felt. Mag. about 6-3/4		

Date and Station		Phase (GCT)
		h m s
Jan. 30		
BER	i(P)	01 10 19
	e	13 48
	eS	20 00
	i	21 00
	i	21 47
	e	26 30
	eL	38 32
T_L = 18. $A_{max.}$ = 3.0mm. T_L = 20. A = 2.5 mm.		
BC	ePP	01 14 00
BOZ	e(PP)	01 14 49
	e(SKS)	21 21
	eL	36 35
BUT	ePP	01 14 21
	e(SKS)	21 22
	e(PS)	24 25
	eL	41 41
CHI	eP	01 10 00
	e	13 22
	e	14 44
	eSKS	20 30
	e(PS)	22 36
	e	28 22
	eL	36 45
COL	e	01 15 41
	iP'	15 44
	e	17 25
	ePP	18 05
	i(PKS)	19 12.5
	e	27 55
	eL	46 38
COLU	eP	01 09 22
	eSKS	19 46
	e(S)	20 04
	eL	34 14
HONO	eL	01 45 04
HH	e(P')	01 10 04
	e	15 03
	e	24 45
LIN	e(SKS)	01 20 18
	eL	42 37
LOG	eP	01 10 23
	ePP	14 28
	e	15 29
	eSKS	21 02
	ePS	23 00
	eL	38 44
NK	e	01 13 48
	e	20 26
	e	27 10
	e	32 18
	eL	37 26
OV	eP	01 10 06
	e(PP)	14 02

Date and Station		Phase (GCT)
		h m s
Jan. 30		
PHIL	eP	01 09 47
	ePP	13 28
	eSKS	20 19
	e	21 07
	e	22 12
	e	27 40
	e	32 00
	eL	36 59
PF	eP	01 10 04
	e(PP)	13 59
RC	eP	01 10 32
	e	13 32
	ePPP	15 25
	e(SKS)	19 41
	e	20 27
	e(SS)	27 02
	eL	42 17
SLC	ePP	01 14 26
	e(SKS)	21 00
	e(PS)	23 18
	e(SS)	28 54
	eL	39 14
SJ	eP	01 07 49
	ePP	10 40
	e(PPP)	12 27
	e(S)	17 16
	e	23 14
	eL	31 25
SH	e(P)	01 10 34
	e(PP)	14 40
	ePKKP	26 43
SIT	e	01 23 50
	e	25 44
	e(SS)	34 10
	e(PS)	34 30
	eL	49 00
TUC	iP	01 09 41
	i	09 44
	e	11 19
	iPP	13 25
	ePPP	15 24
	e(SKS)	20 13
	i(SKS)	20 19
	e(S)	20 48
	iPS	21 50
	e(PS)	22 07
	ePKKP	26 53
	eSS	27 06
	eL	34 24
WASH	iP	01 09 42
	e(PP)	13 28
	e(PS)	21 51
	eL	44 58
Jan. 30, H = 02 49 53* 61½°N, 150½°W. Southern Alaska. h = about 100 km.		

Date and Station	Phase	Phase (GCT) h m s
Jan. 30		
BC	i	02 56 34.5
COL	iP	02 50 51
	eS	51 36
	eL	51 56
HH	iP	02 55 06
LOG	eL	03 04 15
OV	iP	02 56 30
PF	iP	02 56 36
	i	57 00
SH	iP	02 55 30
TUC	iP	02 57 15
Jan. 30		
COL	iP	05 27 06
	e(S)	27 53
	eL	28 45
Jan. 30, H = 05 32 21** Tonga Islands region. h = about 200 km.		
BC	iP	05 44 11
COL	e(P)	05 44 44
	e(pP)	45 40
HH	e	05 44 44
PF	e(P)	05 44 14
SH	e(P)	05 43 59
	e(pP)	44 55
TUC	eP	05 44 16
	e	44 41
Jan. 30		
COL	e(P)	06 25 37
TUC	eP	06 19 34
Jan. 30		
OV	eP	07 46 40
Jan. 30		
HH	iP	07 52 28
Jan. 30		
HH	eP	09 23 11
Jan. 30		
COL	iP	10 15 41
HH	eP	10 16 56
Jan. 30		
COL	e	11 15 31
Jan. 30		
COL	e(P)	13 49 21
Jan. 30		
HH	e	13 46 19
OV	e	13 48 58
PF	e	13 48 50
SH	e	13 48 52
TUC	e	13 48 46
	e	48 51
Jan. 30		
COL	e	17 17 44
	e	18 25
Jan. 30		
COL	eP	17 34 56.5
HH	eP	17 34 19
Jan. 30		
HH	i(P)	21 09 14
Jan. 30		
COL	iP	23 27 54.5
Jan. 31		
PF	e	00 24 24
TUC	eP	00 24 25
Jan. 31		
HH	iP	03 53 17
LOG	iP	03 54 15
	i(S)	54 53
OV	iP	03 54 53
PF	eP	03 54 52
	iP	54 57
	i	55 54
	i	56 44
TUC	e	03 55 37
	i	55 45
	e	57 24
Jan. 31		
HH	e(P)	07 41 17
	e	41 34
LOG	e	07 49 21
PF	e	07 39 50
TUC	eP	07 39 07
	i	39 10
	i	40 07
Jan. 31		
BC	e	07 48 41.5
HH	e	07 50 19
OV	e	07 48 42
Jan. 31		
PF	e	07 48 40
TUC	eP	07 47 56
	iP	47 59
	e	49 02
	e	52 05
	eL	55 10
Jan. 31		
TUC	eP	09 31 37
Jan. 31, H = 10 49 00* 43°N, ½°E. Southern France. Felt in Hautes-Pyrenee Province, France, and Lareda Province, Spain.		
HH	iP	11 00 24.5
PF	eP	11 01 16
TUC	e	11 01 21
Jan. 31, H = 11 24 40* 10½°S, 33½°E. Northern Rhodesia-Nyasaland border.		
BC	e	11 43 47
	e	44 07
COL	e(P)	11 43 50
	e(pP)	45 35
HH	iP	11 44 02
OV	e	11 44 27
PF	e	11 44 21
TUC	e	11 44 12
	e	44 17
	e	47 29
Jan. 31		
HH	i(P)	18 28 32
SH	e	18 27 41
Jan. 31		
COL	iP	20 38 08
	e	39 10
PF	e	20 39 37
Jan. 31, H = 22 43 24* 51°S, 156°E. Kamchatka. h = about 100 km.		
BC	iP	22 53 45
	ipP	54 11
COL	iP	22 49 46
	iS	54 51
Jan. 31		
HH	iP	22 52 50
	i	53 30
LOG	e	22 53 55
OV	iP	22 53 43
	ipP	54 08
PF	iP	22 53 47
	ipP	54 14
SH	iP	22 52 51
	ipP	53 17
TUC	iP	22 54 16
	ipP	54 42
Jan. 31		
PF	e	23 14 54
SH	e	23 15 20
Feb. 1		
HH	i(P)	02 30 21
SH	e	02 30 07
Feb. 1		
BC	i(P)	08 23 13
	e	25 17
HH	iP	08 22 49
OV	iP	08 23 14
	i	24 52
PF	eP	08 23 13
	i	24 51
TUC	eP	08 22 39
	i	22 45
	i	22 52
	i	23 02
	i(S)	23 21
	i	23 30
	iL	23 58
Feb. 1, H = 11 41 39* 20°S, 69°W. Northern Chile. Felt. h = about 100 km.		
BC	iP	11 52 50.5
	ipP	53 20
COL	e	11 55 09
HH	iP	11 53 38.5
	i	54 00
	i	54 09
LOG	eP	11 53 02
	e	53 36
OV	iP	11 52 51
	ipP	53 22

Date and Station		Phase (GCT) h m s
Feb. 1		
PF	iP	11 52 48
	ipP	53 18
SH	iP	11 53 31
	epP	54 03
TUC	iP	11 52 19
	epP	52 49
Feb. 1		
COL	eP	13 58 24
	iP	58 25
	e(S)	59 54
	eL	14 00 40
HH	e(P)	14 02 20
	e	02 49
Feb. 1		
HH	iP	14 19 46
Feb. 1		
COL	e	14 50 36
Feb. 1		
COL	iP	18 46 48
HH	e(P)	18 48 53
Feb. 1		
COL	eP	18 58 16
Feb. 1		
BC	e	21 18 28
COL	eP	21 19 33
	i	19 45
HH	eP	21 18 43
	i	18 50
	i	19 06
PF	e	21 18 28
SH	e	21 18 41
Feb. 1		
COL	e	22 31 31
	e	34 40
Feb. 2		
HH	iP	00 26 53
PF	e(P)	00 26 04
Feb. 2		
HH	e(P)	00 56(34)
Feb. 2		
BC	e	03 46 47
OV	iP	03 46 50
PF	iP	03 46 50
TUC	iP	03 46 50

Date and Station		Phase (GCT) h m s
Feb. 2		
COL	eP	03 58 42
Feb. 2		
HH	e	05 51 33
Feb. 2		
COL	e(P)	06 07 24
HH	iP	06 09 21
Feb. 2		
COL	iP	09 23 46
	i	29 46
Feb. 2		
HH	e(P)	09 52 49
Feb. 2, H = 10 37 24* 32°N, 113°W. Southern Arizona. Mag. 4.2		
BC	(eP)	10 38 27.5
	i	38 59
	i(L)	40 04.5
HH	eP	10 41 16
OV	iP	10 38 34
	iS	39 40
PF	iP	10 38 29
	iS	39 29
TUC	eP	10 37 54
	i	38 01
	i	38 07
	i(S)	38 23.5
	iL	38 44
Feb. 2		
OV	i	13 40 00
PF	e(P)	13 38 06
	i(S)	39 42
TUC	e	13 37 31
	i	37 38
	i	37 44
	e	38 10
	i(S)	38 14
	eL	38 24
Feb. 2		
COL	i(P)	18 16 44
Feb. 2		
HH	iP	21 49 20
Feb. 2		
BC	e	22 39 05
COL	e	22 38 52
HH	e	22 39 26
OV	e	22 39 08

Date and Station		Phase (GCT) h m s
Feb. 2		
PF	e	22 39 04
SH	e	22 38 41.5
Feb. 2		
COL	e	23 11 11
HH	iP	23 13 18
SH	e	23 13 17
Feb. 2, H = 23 33 37* 22°N, 100°E. Southern China-Burma border. Felt. Mag. 6-3/4		
BER	eSKKS	00 01 09
	e(SS)	12 25
	e	17 18
	eL	28 30
T_L= 20. $A_{max.}$= 2.0mm.		
BC	ePP	23 53 03.5
BOZ	e(PP)	23 52 13
	e(PS)	00 01 43
	e(SS)	07 39
	eL	26 11
BUT	e(PP)	23 52 17
	ePS	00 01 33
	e(SS)	07 22
	eL	50 58
CHI	ePS	00 02 39
	e	09 58
	eL	28 07
COL	eP	23 45 44.5
	e	49 21
	iS	55 47
	eSS	00 01 24
	eSSS	04 50
	eL	10 34
COLU	e	00 16 05
	eL	24 11
HONO	eL	00 16 07
HH	e(P)	23 47 43
	i	47 49
	i	48 18
	ePP	51 44
LIN	e(SS)	00 09 04
	eL	27 22
LOG	ePP	23 52 46
	eSS	00 07 24
	eL	24 06
OV	e	23 52 26
	e(PP)	53 16
PHIL	e	00 03 37

Date and Station		Phase (GCT) h m s
Feb. 3		
PHIL, cont.		
	e(SS)	00 09 48
	eSSS	14 29
	eL	21 13
PF	e(P')	23 51 58
	e(PP)	52 51
RC	eP'	23 51 59
	ePPP	54 50
	e(SKS)	58 20
	e	00 01 34
	eSS	08 10
	eL	25 52
SLC	eL	00 25 38
SJ	eSSS	00 39 02
	eL	56 10
SH	ePP	23 52 08
	i	52 22
SIT	eL	23 57 00
TUC	eP'	23 52 25
	ePP	53 47
	e(SKS)	59 15
	ePKKP	00 02 52
	e(PS)	03 44
	e(SS)	10 19
	e	12 27
	eL	20 10
UK	eL	00 07 49
Feb. 3		
HH	e	00 03 18
PF	e	00 03 09
SH	e	00 04 29
Feb. 3		
HH	eP	02 56 03
OV	eP	02 55 17
PF	e	02 54 46
TUC	eP	02 54 43
Feb. 3, H = 02 51 47* 22°N, 100°E. China-Burma aftershock. Mag. 6½		
BER	e	03 30 20
	eL	38 45
BC	ePP	03 10 30
	e	11 31
BOZ	e	03 31 15
	eL	44 19

Date and Station	Phase	Phase (GCT) h m s
Feb. 3		
BUT	e	03 33 08
	eL	41 58
CHI	eL	03 44 47
COL	eP	03 03 54
	e	04 41
	e(PP)	06 43
	e	13 54
	eL	29 25
COLU	eL	03 46 17
HH	eP	03 05 50
	i	06 27
	e(PP)	09 48
LIN	eL	03 45 34
LOG	e(PP)	03 10 46
	e	13 15
	eL	43 05
OV	ePP	03 10 28
	i	11 25
PHIL	e	03 23 04
	e(SS)	28 13
	e(SSS)	32 28
	eL	38 57
PF	eP'	03 10 33
	i	10 49
	iPP	11 25
RC	eP'	03 10 04
	e(S)	18 16
	e(SS)	25 54
	eL	43 05
SLC	eL	03 46 52
SJ	eL	03 57 12
SH	e(P)	03 06 04
	e(PP)	10 28
SIT	eL	03 35 42
TUC	e	03 10 18
	eP'	10 40
	ePP	11 56
	e(PS)	21 36
	e(SS)	28 27
	eL	45 50
UK	eL	03 40 23
Feb. 3		
TUC	e	05 06 43
Feb. 3, H = 05 56 02* 23½°N, 179°E. Fiji Islands region. h = about 600 km.		
BC	e(P)	06 07 45
Feb. 3		
COL	e	06 08 09
	epP	10 14
LOG	eP	06 08 06
	epP	10 00
OV	iP	06 07 48
	epP	09 54
PF	iP	06 07 48
	i	09 57
SH	i(P)	06 07 34
	e	07 43
TUC	iP	06 07 49
	epP	09 52
Feb. 3, H = 13 03 56* 22½°N, 99½°E. China-Burma aftershock.		
COL	iP	13 16 00
	e	17 24
HH	eP	13 17 58
	e(PP)	22 12
Feb. 3		
OV	e	13 23 08
Feb. 3		
COL	iP	15 29 15
Feb. 3		
BC	i	15 55 23
OV	eP	15 52 54
PF	eP	15 52 49
	i(S)	53 21
TUC	i	15 52 10
	i	52 19
	i	52 26
	i(S)	52 48
	i	53 09
	iL	53 17
Feb. 3, H = 16 45 29* 54°N, 162°W. Alaska Peninsula foreshock.		
BER	eL	17 22 31
BC	e(P)	16 52 29
	i	52 53
	i	53 07
BOZ	eL	17 01 14
BUT	eL	16 59 11
CHI	e	17 01 21
	eL	06 23
Feb. 3		
COL	eP	16 48 38
	e	48 47
	iP	48 50
	eS	51 18
	e(L)	52 15
COLU	eL	17 01 41
HONO	eL	16 59 24
HH	eP	16 51 44
	ePcP	54 34
	i	58 22
OV	iP	16 52 45
	i	52 57
PHIL	eL	17 14 57
PF	iP	16 52 48
	i	52 57
	i	53 16
	e(PP)	53 51
RC	eL	16 58 10
SH	eP	16 51 39
	e(PcP)	54 38
SIT	eL	16 52 12
TUC	iP	16 53 26
	i	53 37
	e	55 19
	eL	17 06 16
UK	eL	16 56 49
Feb. 3		
SH	e(P)	16 58 18
Feb. 3		
HH	eP	18 12 03
PF	e	18 10 34
TUC	iP	18 09 43
Feb. 3, H = 18 27 48* 42½°N, 142½°E. Hokkaido, Japan. h = about 60 km.		
BC	eP	18 39 26
	e(pP)	39 53
COL	eP	18 35 54.5
	ipP	36 14
HH	iP	18 38 40
	i	38 55
	ipP	39 00
	i	40 19
OV	iP	18 39 25
	ipP	39 40
Feb. 3		
PF	eP	18 39 29
	ipP	39 44
SH	eP	18 38 39
TUC	eP	18 39 53
	epP	40 08
Feb. 3, H = 18 53 43** Alaska Peninsula foreshock.		
BC	e	19 01 00
COL	e(P)	18 56 54
HH	iP	19 00 00
	i	02 55
OV	i	19 02 03
PF	e(P)	19 01 04
TUC	e	19 01 40
Feb. 3		
HH	iP	19 47 23
Feb. 3		
BC	e	21 23 58
OV	e	21 24 27
	e	25 32
PF	eP	21 23 22
	e(S)	24 24
TUC	iP	21 22 43.5
	i	22 51
	i	22 59
	iS	23 49
	iL	24 22
Feb. 3		
COL	eP	22 57 16
	eS	58 20
	e(L)	58 36
Feb. 4, H = 00 30 58** Atlantic Ocean, about 500 miles north of Azores.		
HH	e(P)	00 40 34
OV	e	00 41 25
PF	e	00 41 26
TUC	e(P)	00 41 27
	e	41 37
Feb. 4, H = 02 07 53* 54°N, 162°W. Off south coast of Alaska Peninsula.		

Date and Station		Phase (GCT) h m s
Feb. 4		
BC	eP	02 15 09
	e	21 24
BUT	eL	02 21 13
COL	eP	02 11 03
	eS	13 41
	eL	15 27
COLU	eL	02 40 37
HONO	eL	02 23 08
HH	iP	02 14 08
	iPcP	17 04
OV	iP	02 15 07
	i	15 18
	e(S)	21 10
PHIL	eL	02 36 57
PF	iP	02 15 13
	e(S)	21 09
RC	eP	02 14 30
	eL	30 16
SH	eP	02 14 03
	e	17 02
SIT	eL	02 24 18
TUC	eP	02 15 50
	ePP	17 21
	eL	30 07
Feb. 4		
COL	iP	06 38 56
Feb. 4		
COL	e	09 42 39
HH	eP	09 43 53
Feb. 4		
COL	e(P)	11 13 45
Feb. 4		
COL	iP	12 25 03
	e	25 16
HH	e(P)	12 27 14
OV	e	12 32 08
Feb. 4		
COL	eP	12 42 45
Feb. 4		
HH	eP	18 54 24.6
	iP	54 29.6
	i(pP)	55 12
Feb. 4		
COL	e(P)	19 19 47

Date and Station		Phase (GCT) h m s
Feb. 4		
HH	iP	19 18 58
Feb. 4		
COL	iP	21 05 31
Feb. 4, H = 22 59 15** Andreanof Islands, Aleutian Islands.		
BC	e	23 07 34
COL	e(P)	23 03 53
HH	eP	23 06 49
OV	e(P)	23 07 52
PF	e	23 07 58
Feb. 5, H = 01 23 30* 49½°S, 164°E. Off southwest coast of New Zealand. Felt. Mar. 6-3/4 - 7.		
BER	e	01 57 28
	eSS	02 05 50
	eSSS	10 22
	eL	24 02
BC	eP'	01 42 09
BOZ	eL	02 08 28
BUT	eL	02 17 25
CHI	eSS	02 02 30
	eL	18 02
COL	i(P')	01 42 22.5
	eL	02 13 07
COLU	eL	01 55 10
HONO	iP	01 35 34
	e(SSS)	53 57
	eL	02 00 31
HH	eP'	01 42 25
	i	42 35
LIN	eL	02 09 20
LOG	ePP	01 43 26
	ePS	53 17
	eSSS	02 13 33
	eL	21 06
OV	eP'	01 42 11
PHIL	e	01 55 39
	e	02 00 09
	eSS	03 19
	eL	26 30
PF	eP'	01 42 09
	e	42 49

Date and Station		Phase (GCT) h m s
Feb. 5		
RC	eP'	01 42 16
	e	45 40
	eL	02 20 56
SJ	e(PP)	01 45 54
	e(SS)	02 02 27
	eSSS	06 50
	eL	13 26
SIT	ePS	01 53 21
	eL	02 18 26
TUC	eP'	01 42 03
	ePP	42 44
	e(PS)	52 05
	e(SS)	58 20
	e(SSS)	02 02 24
	eL	09 25
UK	eL	02 08 30
WASH	iP'	01 42 59
	i	43 48
	e	46 53
	eL	28 37
Feb. 5		
HH	iP	01 52 30
Feb. 5		
COL	e	07 05 41
OV	e(P)	07 07 35
Feb. 5		
COL	e	09 40 15
	e	40 22
HH	e	09 33 40
	e	39 15
Feb. 5		
BC	e	10 23 04
	i	23 46
COL	iP	10 23 04
HH	eP	10 24 31
	i	24 54
	i	25 05
OV	eP	10 22 31
	i	24 46
PF	eP	10 22 34
	e	23 44
TUC	eP	10 22 24
	iP	22 26
	i	22 54
	e(S)	25 09
	eL	28 40
Feb. 5		
COL	eP	10 47 03
HH	iP	10 49 36

Date and Station		Phase (GCT) h m s
Feb. 5		
OV	e	10 50 15
TUC	e	10 50 49
Feb. 5		
COL	eP	12 13 21
	e(L)	15 00
Feb. 5, H = 12 18 10* 16°N, 94°W. Off southern coast of Mexico. h = about 100 km.		
BC	iP	12 23 50.5
COL	iP	12 28 14.5
HH	iP	12 25 09
	i(pP)	25 20
	ePcP	27 08
	e	28 05
LOG	eP	12 24 12
	e	25 12
OV	iP	12 23 51
	e	25 25
PF	iP	12 23 47
SH	eP	12 24 54
TUC	iP	12 23 04
	i	23 39
	eS	27 17
	e	27 32
	eL	29 45
Feb. 5		
BC	e(P)	12 53 33
COL	eP	12 53 30
OV	iP	12 53 36
PF	iP	12 53 38
SH	iP	12 53 18.5
TUC	eP	12 53 42
Feb. 5		
HH	e(P)	17 03 22
TUC	e	17 01 41
Feb. 5		
HH	e(P)	17 12 12
Feb. 5		
COL	e(P)	22 03 49
Feb. 5		
HH	eP	22 24 11
Feb. 6		
COL	e	03 00 39

Date and Station		Phase (GCT)
		h m s
Feb. 6		
COL	e(P)	03 24 39
HH	e(P)	03 30 08
	e	30 12
	i	30 20
OV	e	03 30 21
PF	e	03 30 13
TUC	e	03 30 26
	e	30 29
Feb. 6		
COL	e	04 38 17
HH	iP	04 40 43
Feb. 6		
BC	e	04 53 17
	e	53 48
	i	55 21
OV	e	04 53 23
	i	53 44
	i	55 04
	i	55 25
PF	eP	04 53 19
	i	53 43
TUC	eP	04 52 43
	i	52 50
	i	52 55
	i(S)	53 23
	iL	53 37
Feb. 6		
COL	e	08 04 37
Feb. 6		
PF	e	09 10 34
Feb. 6		
LOG	e	11 47 18
PF	e	11 47 19
Feb. 6		
COL	e	12 03 29
	eL	31 59
HONO	eL	12 18 35
HH	e(P)	12 03 05
	e	03 11
OV	e	12 01 42
PHIL	eL	12 22 05
PF	e	12 01 41
Feb. 6		
TUC	e(P)	12 01 07
	e	01 22
	eL	12 11

Date and Station		Phase (GCT)
		h m s
Feb. 6		
COL	e	12 05 09
Feb. 6		
COL	eP	18 13 21
	eS	14(15)
	eL	15 00
HH	iP	18 18 00
Feb. 7, H = 00 08 25** About 500 miles off coast of southern Chile.		
HH	e(P)	00 21 37
LOG	e	00 21 10
OV	i(P)	00 20 50
TUC	e(P)	00 20 20
	e	20 40
Feb. 7, H = 00 25 57* 15°S, 166½°E. New Hebrides Islands.		
BC	i(P)	00 38 58
COL	eP	00 38 40
	iP	38 43
HH	eP	00 39 12
	i	39 28
OV	iP	00 39 00
PHIL	eL	01 27 28
PF	iP	00 39 00
SH	e(P)	00 38 38
TUC	eP	00 39 07
	e(S)	49 38
	e(SSS)	58 11
	eL	01 08 25
Feb. 7		
HH	e	01 04 01
Feb. 7		
HH	eP	10 04 05
	i	04 08
	i	04 13
	i	04 20
Feb. 7		
HH	eP	10 31 32
Feb. 7, H = 10 35 06* 18½°S, 70°W. Northern Chile. h = about 200 km.		
BER	eL	11 29 30

Date and Station		Phase (GCT)
		h m s
Feb. 7		
HH	iP	10 46 44
	ePcP	47 27
	eS	55 28
LOG	eP	10 46 08
	e	48 09
OV	iP	10 45 55
	i	46 08
PF	i(P)	10 45 52
SH	eP	10 46 37
TUC	e(P)	10 45 22
Feb. 7, H = 10 37 22* 46°N, 152°E. Kurile Islands.		
BC	e(P)	10 48 20
BOZ	eS	10 56 28
	eL	11 09 12
COL	eP	10 44 37
	i	45 58
	eL	50 29
HH	e(P)	10 47 27
OV	iP	10 48 21
	i	49 26
PHIL	eL	11 16 51
PF	iP	10 48 23
SH	iP	10 47 32
SIT	eS	10 52 20
	eSS	55 19
	eL	57 16
TUC	eP	10 48 50
	eL	11 12 08
Feb. 7		
COL	e(P)	11 43 19
HH	iP	11 46 16
SH	eP	11 46 26
TUC	eP	11 47 33
Feb. 7		
COL	e(P)	13 08 47
Feb. 7		
HH	eP	17 14 05
Feb. 7		
HH	iP	17 37 05
Feb. 7, H = 21 16 11* 7½°S, 74°W. Central		

Date and Station		Phase (GCT)
		h m s
Feb. 7, cont. Peru-Brazil border. h = about 150 km.		
BC	iP	21 25 52
COL	iP	21 28 57
	i	29 25
	ipP	29 35
HH	iP	21 26 46
LOG	eP	21 26 05
OV	iP	21 25 53
	i	26 30
PF	iP	21 25 49
	ipP	26 26
SH	eP	21 26 40
	e(pP)	27 16
	e	27 37
TUC	iP	21 25 16
	ipP	25 51
Feb. 7		
COL	iP	21 34 34
	i(pP)	35 55
PF	e	21 34 34
Feb. 7		
BC	e	23 09 07
COL	eP	23 06 08
HH	iP	23 08 21
	i(pP)	08 30
PF	e	23 09 07
SH	iP	23 08 16
	i	08 26
TUC	e	23 09 27
Feb. 8		
TUC	e	02 07 55
	e	08 08
Feb. 8		
HH	iP	05 37 14
	eL	38 38
Feb. 8		
HH	e(P)	05 45 30
OV	iP	05 45 26
PF	iP	05 45 24
TUC	e(P)	05 45 10
Feb. 8		
TUC	iP	07 27 00

Date and Station	Phase	Phase (GCT) h m s
Feb. 8		
COL	iP	10 15 35
HH	iP	10 17 30
Feb. 8		
COL	eP	11 16 33
HH	iP	11 19 00
PF	e	11 19 39
SH	i(P)	11 18 55
Feb. 8		
HH	e(P)	14 28 09
Feb. 8, H = 15 02 41* 10½°S, 160½°E. Solomon Islands.		
BC	eP	15 15 48
	ipP	16 00
COL	iP	15 15 11
	ipP	15 23
HH	e(P)	15 16 03
	i(pP)	16 13
OV	iP	15 15 50
	ipP	16 02
PF	iP	15 15 52
	ipP	16 04
SH	eP	15 15 26
	ipP	15 38
TUC	eP	15 16 12
Feb. 8, H = 18 19 45* 46½°N, 28½°W. North Atlantic Ocean.		
BC	eP	18 30 18
CHI	eL	18 40 34
COL	eP	18 29 48
HH	iP	18 29 21
	i(pP)	29 35.5
LOG	eP	18 29 41
	e	31 53
	eL	50 04
OV	iP	18 30 13
PHIL	eS	18 31 37
	eL	34 55
PF	iP	18 30 14
RC	eP	18 28 57
	eS	36 28
	eL	46 46
Feb. 8		
SJ	eS	18 34 17
	eL	37 11
SH	eP	18 30 28
TUC	iP	18 30 18
	e	35 42
	e(S)	39 35
	eL	54 18
Feb. 8		
COL	eP	23 17 06
HH	e(P)	23 19 04
Feb. 8		
COL	e	23 39 03
HH	iP	23 39 48
Feb. 9		
HH	iP	02 28 20
TUC	e	02 30 03
Feb. 9		
COL	e	04 25 30
Feb. 9		
BC	e	06 29 41
COL	e	06 23 22
HH	iP	06 30 46.5
OV	iP	06 30 02
PF	iP	06 29 59
SH	iP	06 30 36
TUC	e	06 29 31
	e	30 11
Feb. 9		
COL	eP	07 21 52
HH	iP	07 24 42
	i	24 55
OV	eP	07 25 29
PF	eP	07 25 33
TUC	eP	07 26 00
Feb. 9, H = 13 06 50** Off south coast of Honshu, Japan.		
BC	e	13 19 08
COL	eP	13 16 04
	eS	23 29
	e	26 00
	eL	30 14
Feb. 9		
HH	iP	13 18 30
	e(pP)	18 50
LOG	e	13 19 02
OV	eP	13 19 06
PF	eP	13 19 09
SH	iP	13 18 24
TUC	e(P)	13 19 28
	e	19 36
	eL	49 43
Feb. 9		
OV	e	13 50 46
PF	e(P)	13 50 46
TUC	i	13 50 18
	i	50 23
	i	50 27.5
	e(S)	50 44
	i(S)	50 48
	i	51 06
	eL	51 10
Feb. 9		
COL	e(P)	18 20 55
Feb. 9, H = 18 52 41* 73°N, 6°E. Jan Mayen Island region.		
BC	e	19 03 16
COL	e	19 00 27
HH	iP	19 01 50
	e	01 53
OV	e	19 03 12
PF	e	19 03 14
TUC	e	19 03 32
	e	03 38
Feb. 9, H = 20 18 26** Northwestern Argentina-Chile border region. Felt in Chile. h = about 150 km.		
BC	e(P)	20 30 13
	i	30 48
HH	iP	20 30 58
	i	31 33
LOG	e	20 30 26
	e	31 01
OV	iP	20 30 14
	i	30 48
Feb. 9		
PF	iP	20 30 11
	ipP	31 46
SH	eP	20 30 50
	ipP	31 25
TUC	e	20 29 45
	e	30 19
Feb. 9		
COL	eP	23 52 52
PF	eP	23 56 54
TUC	eP	23 57 22
Feb. 10		
COL	e(P)	02 10 32
TUC	e	02 14 42
Feb. 10, H = 03 32 50 By PAS, 34°02'N, 116°24'W. Northeast of Desert Hot Springs, Calif. Mag. 3.6		
BC	iP	03 33 30
	i	33 35
	iS	34 06
HH	iP	03 33 53
OV	eP	03 33 38
	i	33 48
	iS	34 27
PF	iP	03 33 38
	i	33 45
	iS	34 22
TUC	e	03 34 06
	e	34 20
	i	34 27
	i	35 30
	iS	35 33
	iL	36 04
Feb. 10		
HH	eP	12 43 39
Feb. 10		
COL	e	13 41 30
Feb. 10		
COL	e	14 56 51
Feb. 10		
OV	iP	16 12 01
PF	eP	16 11 46
	i	11 59
SH	e	16 13 06
	e	13 24

Date and Station	Phase	Phase (GCT) h m s
Feb. 10		
TUC	eP	16 11 16
	e	11 32
	e	11 36
	e	12 10
Feb. 10		
BC	e	17 42 20
COL	e(P)	17 50 11
HH	iP	17 43 24
OV	iP	17 42 24
PF	eP	17 42 19
SH	iP	17 42 54
TUC	eP	17 41 53
	i	41 55
Feb. 10		
PF	e(P)	17 49 48
SH	e(P)	17 49 34
Feb. 10, H = 18 44 00** Philippine Islands region.		
BC	eP	18 57 54
COL	eP	18 55 53
HH	iP	18 57 38
	i	57 55.5
PF	iP	18 57 57
SH	eP	18 57 16
TUC	e(P)	18 58 15
Feb. 10		
COL	e	19 36 21
PF	e	19 35 49
Feb. 10, H = 20 23 10** About 350 miles southwest of El Salvador.		
BER	eL	20 39 40
BC	e	20 29 58
COL	e	20 34 14
HH	e(P)	20 31 00
LOG	e	20 30 18
	eL	50 23
OV	e	20 30 01
PHIL	eL	20 36 06

Date and Station	Phase	Phase (GCT) h m s
Feb. 10		
PF	e(P)	20 29 54
SJ	eL	20 37 09
TUC	eP	20 29 14
	e	29 27
	ePP	29 53
	e(S)	34 07
	eL	38 13
Feb. 10, H = 23 41 09 By BERK, 41.2°N, 124.3°W. Near Rocky Point, Calif. Felt in Eureka. Mag. 4.0		
HH	e	23 43 26
	i	43 47
LOG	e	23 44 15
	e	46 16
SH	iP	23 41 33
	iS	41 51
	eL	42 00
TUC	e(P)	23 44 32
	e	44 54
Feb. 11, H = 01 22 02* 43°S, 41°E. Prince Edward Islands region.		
BER	e	02 00 40
	eL	14 40
BC	eP'	01 42 11
	iP'	42 18
COL	eP'	01 42 11
	e	42 42
	e(PP)	46 09
	e	49 52
HH	eP'	01 42 06
	i	42 16
	i	46 56
LOG	e	01 42 11
	ePP	46 40
	eL	02 36 08
OV	iP'	01 42 18
	i	43 01
	ePP	46 31
PHIL	e	02 01 40
	eL	24 12
PF	iP	01 42 09
	e	43 18
	ePP	46 54
RC	eP'	01 42 12
SH	eP'	01 42 20
	e	43 29

Date and Station	Phase	Phase (GCT) h m s
Feb. 11		
TUC	iP'	01 42 05
	i	42 13
	e(PP)	43 32
	e(PPP)	44 17
	e	48 11
	e(SS)	59 28
	eL	02 38 30
Feb. 11		
HH	iP	01 43 20
	i	43 22
	eS	43 40
Feb. 11		
BC	e	09 15 08
COL	e(P)	09 11 20
HH	eP	09 14 12
	i	14 18
OV	eP	09 15 04
PF	eP	09 15 06
TUC	eP	09 15 32
Feb. 11		
COL	iP	09 33 12
HH	iP	09 32 25
Feb. 11		
COL	i(P)	10 14 34
HH	eP	10 16 58
	i	17 03
SH	e	10 17 21
Feb. 11		
BER	eSKS	11 55 48
	eS	57 00
	e	12 00 02
BC	iP	11 41 23
	i	41 31
	i	41 39
	ipP	42 27
COL	iP	11 41 55
	ipP	42 55.5
	eS	51 49
HONO	iP	11 37 12
	eS	43 03
	eL	46 09
HH	iP	11 41 56
	ePP	45 10
	e(PKKP)	12 00 07
	iPKKP	00 16
	e(P'P')	08 07
LOG	iP	11 41 47
	e	42 46
	e(PP)	44 36
	eS	51 37

Date and Station	Phase	Phase (GCT) h m s
Feb. 11		
OV	iP	11 41 26
	ipP	42 30
	i	43 34
PHIL	e	11 53 54
	ePS	57 11
	eL	12 17 14
PF	iP	11 41 27
	ipP	42 25
	i	44 22
SH	iP	11 41 08
	e(pP)	42 06
	e	43 54
TUC	iP	11 41 29
	e(pP)	42 27
	e	43 42
	eS	51 03
	e	51 23
	eL	12 03 47
Feb. 11		
TUC	e	12 08 17
Feb. 11		
COL	e	13 35 58
Feb. 11		
COL	eP	14 30 44
	e(L)	33 30
HH	iP	14 31 38
	i	34 44
	i	35 55
Feb. 11		
COL	iP	18 32 58
	i(pP)	33 35
HH	iP	18 29 55
OV	eP	18 28 43
PF	iP	18 28 48
TUC	e	18 27 56
Feb. 12		
HH	e	03 58 22
OV	e	03 59 09
TUC	e(P)	03 58 18
Feb. 12		
COL	e	04 26 33
Feb. 12		
PF	e(P)	05 48 24
	i	49 14
TUC	i(P)	05 51 45
Feb. 12, H = 09 43 47* 34½°N, 24°E. Off		

Date and Station	Phase	(GCT)
		h m s
Feb. 12, cont. south coast of Crete.		
COL	eP	09 56 03
HH	iP	09 56 46
Feb. 12		
COL	iP	10 11 08
SH	i(P)	10 10 30
TUC	iP	10 10 46
Feb. 12		
TUC	e	11 14 05
Feb. 12		
HH	e	11 49 56
Feb. 12		
COL	iP	17 49 08
	e(L)	50 43
HH	e(P)	17 52 51
	i	53 12
Feb. 12		
HH	iP	18 21 01
Feb. 12, H = 19 00 43** 200 miles southwest of Spitzbergen.		
COL	e	19 08 07
HH	e(P)	19 09 39
	i	09 44
OV	i(P)	19 11 24
	i	12 52
	i	13 31
PF	eP	19 11 05
	i	11 10
SH	e	19 10 49
TUC	eP	19 11 25
	i	11 30
Feb. 12		
COL	eP	21 23 38
	e(S)	24 24
	e	24 37
	eL	25 00
Feb. 12, H = 22 14 54* 19°S, 178°W. Fiji Islands region. Mag. 6½		
BER	e	22 46 52
	eL	23 15 20
BC	e(P)	22 27 27
BOZ	e(PS)	22 39 04
	e(SS)	44 09
	eL	53 03

Date and Station	Phase	(GCT)
		h m s
Feb. 12		
BUT	e	22 39 27
	eL	57 59
CHI	eL	23 04 39
COL	e(P)	22 27 43
	e	28 11
	eS	38 19
	eL	54 00
HONO	e	22 23 46
	e(SS)	31 14
	eL	34 00
HH	eP	22 27 57
	ePP	31 39
LOG	eP	22 27 48
	e	29 29
	e	29 33
	eS	39 19
	eL	56 09
OV	iP	22 27 30
	e(PP)	30 58
PHIL	e(S)	22 42 37
	ePS	49 58
	eSSS	53 47
	eL	23 02 58
PF	eP	22 27 32
	e	29 20
RC	eP	22 27 49
	e(S)	38 19
	eL	23 01 21
SIC	eP	22 27 50
	eS	38 30
	e(PS)	39 44
	eL	56 32
SJ	eSKS	22 40 41
	e	47 09
	eL	23 10 03
SH	iP	22 27 14
SIT	e	22 38 00
	eL	50 40
TUC	iP	22 27 32
	i	27 35
	ePP	31 06
	e(PPP)	34 25
	eS	38 08
	e(PS)	38 50
	e(SS)	44 22
	eL	53 44
UK	eL	22 48 12
Feb. 13		
HH	e(P)	03 41 02
TUC	e	03 39 09

Date and Station	Phase	(GCT)
		h m s
Feb. 13, H = 05 55 00* 22°S, 69°W. Northern Chile. Felt. h = about 100 km.		
BC	iP	06 06 22
HH	iP	06 07 09
	ipP	07 38
LOG	e	06 06 33
	e(pP)	07 04
OV	iP	06 06 24
	epP	06 54
PF	iP	06 06 20
	ipP	06 24
	i	06 49
SH	iP	06 07 02.5
	epP	07 33
TUC	iP	06 05 50
Feb. 13		
COL	eP	07 16 43
Feb. 13		
COL	iP	07 34 35
Feb. 13, H = 11 05 20** Andreanof Islands, Aleutian Islands.		
BC	i(P)	11 14 52
COL	iP	11 09 52
HH	iP	11 12 56
	i	13 08
OV	iP	11 13 51
PF	eP	11 13 54
SH	eP	11 12 52
	e	13 01
TUC	e(P)	11 14 27
	e	14 36
	e	15 39
Feb. 13, H = 11 27 01** Solomon Islands region.		
BER	eL	12 38 46
BC	e	11 40 29
COL	iP	11 39 24
	e	40 05
HH	iP	11 40 31
PHIL	eL	12 33 08
PF	e	11 40 31

Date and Station	Phase	(GCT)
		h m s
Feb. 13		
SH	e	11 40 01
Feb. 13		
COL	e(P)	13 21 36
PF	e	13 21 53
Feb. 13		
COL	e	14 53 20
HH	e	14 56 24
TUC	e	14 58 57
Feb. 14		
COL	eP	00 17 53
Feb. 14		
COL	e	01 49 22
PF	e	01 51 35
Feb. 14		
BC	e	07 57 21
HH	e	07 58 00
	e	58 11
OV	e(P)	07 57 03
	i	57 16
	i	57 24
PF	e	07 57 19
SH	e	07 58 06
Feb. 14		
HH	eP	08 37 32
Feb. 14		
COL	e	08 56 04
	e	56 20
HH	e	08 57 50
OV	e(P)	08 58 06
	i	09 02 06
PF	e	08 58 09
SH	e	08 57 30
	e	57 45
Feb. 14		
BC	e	11 52 50
	i	52 58
COL	eP	11 49 03
HH	eP	11 51 57
	i	52 21
OV	e	11 52 50
	i	52 58
PF	e	11 52 46
	i	52 59

Date and Station		Phase (GCT) h m s
Feb. 14		
SH	e(P)	11 52 07
TUC	e(P)	11 53 20
	i	53 27
Feb. 14		
COL	iP	14 34 58.5
	e	35 13
HH	eP	14 33 34
OV	e	14 36 13
PF	e	14 36 14
Feb. 14		
HH	e	22 53 55
Feb. 14, H = 23 12 58** Fiji Islands region.		
COL	e	23 26 02
HH	iP	23 26 12
OV	i	23 25 44
PF	i	23 25 44
SH	e	23 25 27
TUC	eP	23 25 47
Feb. 15, H = 00 12 42* 7°N, 36°W. Atlantic Ocean.		
BER	eL	00 29 12
BC	e	00 24 38
HH	eP	00 24 35
LOG	eP	00 24 25
	e	26 08
OV	i(P)	00 24 36
PF	e(P)	00 24 32
SH	e(P)	00 25 07
TUC	e(P)	00 24 16
Feb. 15		
COL	eP	00 58 31
Feb. 15		
BC	e(P)	02 39 40
OV	e(P)	02 40 08
PF	e(P)	02 37 57
	i	39 52
TUC	e(P)	02 37 09
	i	37 19.5

Date and Station		Phase (GCT) h m s
Feb. 15		
TUC, cont.		
	i	02 37 22.5
	i	37 36
	e(S)	37 53
	i(S)	37 58
	i	38 06
	eL	38 13
Feb. 15, H = 03 36 54* 47°N, 154°E. Kurile Islands.		
BC	eP	03 47 42
COL	iP	03 43 53.5
	e	44 10
HH	iP	03 46 52
OV	eP	03 47 42
PF	eP	03 47 44
SH	eP	03 46 51
TUC	e(P)	03 48 12
Feb. 15		
BC	e	05 27 12
HH	iP	05 26 46
OV	e	05 27 06
PF	e	05 27 02
SH	e(P)	05 26 25
Feb. 15		
COL	iP	06 09 13.5
PF	e(P)	06 09 37
Feb. 15		
LOG	e	06 47 27
OV	e(P)	06 41 07
	i	43 46
PF	e	06 41 04
Feb. 15		
COL	eP	08 10 50
HH	iP	08 10 03
SH	eP	08 10 01
Feb. 15		
OV	e	08 21 06
Feb. 15, H = 14 36 45* 11°N, 93½°E. Andaman Islands region.		
BC	e(P)	14 55 50
	e(PP)	58 57

Date and Station		Phase (GCT) h m s
Feb. 15		
COL	eP	14 49 55
	i	50 26
	e	53 28
	e(S)	15 00 11
	eL	21 40
HH	i(P)	14 55 28
OV	iP	14 55 48
	i	56 22
	iPP	58 57
SH	eP	14 55 34
TUC	iP	14 55 59
Feb. 15		
TUC	iP	14 59 12
	i	59 15
Feb. 15		
HH	iP	21 48 24
Feb. 16		
OV	e	02 09 52
PF	e	02 08 48
TUC	e(P)	02 08 50
	e	09 16
Feb. 16, H = 12 50 43** Pacific Ocean, 600 miles south of Easter Island.		
BER	eL	13 29 38
BC	e(P)	13 02 02.5
BOZ	eL	13 30 25
COL	eL	13 40 19
HH	e(P)	13 03 09
	i	03 12
	i	04 00
LOG	e	13 02 31
	e	04 49
	e	09 02
OV	eP	13 02 05
	iP	02 10
PF	e(P)	13 01 59
SH	eP	13 02 31
	iP	02 36
TUC	eP	13 01 35
	iP	01 36
	e	02 38
	e(S)	09 45
	eL	21 37

Date and Station		Phase (GCT) h m s
Feb. 16		
OV	e	13 45 43
TUC	e	13 45 15
Feb. 16, H = 14 21 13** Easter Island aftershock.		
BC	iP	14 32 32
COL	eL	15 11 19
LOG	e	14 33 03
OV	iP	14 32 35
PF	iP	14 32 30
SH	iP	14 33 02
TUC	iP	14 32 06
	e	32 35
Feb. 16		
HH	iP	14 53 42
	e	54 12
Feb. 16		
COL	iP	17 14 37.5
	e	14 55
HH	iP	17 15 14
PF	e	17 16 09
Feb. 16		
COL	eP	19 07 53
HH	iP	19 10 16
Feb. 17		
COL	eP	02 39 54
Feb. 17, H = 03 47 16* 14½°N, 90°W. Guatemala. Mag. 6¼ - 6½		
BER	eL	04 00 50
BC	eP	03 53 37
	iP	53 38
	iPP	54 46
BUT	eP	03 54 40
	ePP	55 39
	e(PPP)	56 14
	eS	59 26
	eL	04 02 29
CHI	eP	03 53 11
	epP	53 30
	ePP	54 05
	eS	58 06
	e(ScS)	59 32
	eL	04 01 32

Date and Station		Phase (GCT) h m s
Feb. 17		
COL	eP	03 57 51
	iP	57 51.5
	i(pP)	58 26
	e	58 32
	eL	04 20 33
COLU	eP	03 52 10
	eS	56 12
	eL	58 28
HH	iP	03 54 19
	iPcP	56 25
LOG	iP	03 53 55
	ipP	54 05
	ePP	55 16
	ePcP	56 30
	e	58 51
	eS	59 18
	eL	04 06 01
NK	eL	03 59 24
OV	iP	03 53 36
	i	54 39
	eL	04 04 08
PHIL	eS	03 58 02
	eL	04 00 19
PF	iP	03 53 34
	i	56 31
RC	eP	03 53 32
	eS	58 35
	eL	59 56
SLC	e	03 54 37
	e(S)	59 03
	eL	04 00 31
SJ	eP	03 52 10
	e(PP)	52 47
	e(S)	56 53
	eL	58 01
SH	eP	03 54 40
	iPcP	56 52
SIT	eL	04 18 10
TUC	iP	03 52 52
	ipP	53 09
	ePP	53 58
	eS	57 12
	eL	58 33
WASH	iP	03 53 25
	i	53 37
	iPP	54 25
	i	54 37
	eS	58 38
	iL	04 00 36
Feb. 17		
COL	eP	15 41 48
	e(S)	42 43
	eL	43 00

Date and Station		Phase (GCT) h m s
Feb. 17		
PF	e	16 55 26
Feb. 17		
COL	e	17 51 51
Feb. 18		
OV	e	04 45 44
TUC	e	04 45 45
Feb. 18, H = 05 04 23* 33°S, 111½°W. Easter Island region.		
BC	e(P)	05 15 34
COL	e	05 18 45
HONO	eL	05 36 35
HH	iP	05 16 44
	e	17 27
LOG	eP	05 16 06
	e	17 25
	e	18 21
OV	iP	05 14 59
PHIL	eL	06 28 29
PF	eP	05 15 33
SJ	eL	06 27 28
SH	iP	05 16 03.5
TUC	eP	05 15 08
	iP	15 09
	i	15 21
	ePP	17 16
	eL	35 48
Feb. 18, H = 06 17 50** Atlantic Ocean foreshock.		
BC	eP	06 26 52
COL	eP	06 28 54
HH	iP	06 27 25
LOG	eP	06 27 22
	e	29 22
OV	iP	06 27 44
PF	eP	06 27 44
SJ	eL	07 41 39
SH	eP	06 28 17
TUC	eP	06 27 36

Date and Station		Phase (GCT) h m s
Feb. 18, H = 07 32 19* 31°N, 42½°W. Atlantic Ocean, southwest of Azores.		
BC	e	07 42 24
COL	e	07 43 25
HH	e(P)	07 41 57
LOG	e	07 42 03
OV	e	07 42 21
PF	e	07 42 16
SH	e	07 42 51
	e	43 02
TUC	e	07 42 07
Feb. 18		
PF	iP	08 27 46
Feb. 18		
COL	e(P)	09 09 18
Feb. 18		
COL	iP	11 35 05.5
	eS	36 04
	eL	36 23
HH	e(P)	11 39 32
Feb. 18, H = 14 39 30* 54°N, 164°W. Near coast of Alaska Peninsula.		
BC	e	14 46 59
COL	e(P)	14 42 46
	e(S)	45 24
	e(L)	46 59
HH	iP	14 45 50
OV	e	14 46 49
	e	47 01
SH	e(P)	14 45 45
	i	46 01
TUC	e(P)	14 47 31
Feb. 18		
COL	e(P)	17 47 03
HH	iP	17 49 38
OV	e	17 50 19
PF	e	17 50 21
SH	eP	17 49 35

Date and Station		Phase (GCT) h m s
Feb. 18		
TUC	e(P)	17 50 44
Feb. 18		
COL	iP	19 05 18
	ipP	06 05.5
PF	e	19 06 28
SH	e	19 06 07
Feb. 18, H = 19 40 15** Tonga Islands region h = about 300 km.		
COL	eP	19 52 39
	e	53 50
OV	iP	19 52 10
PF	iP	19 52 10
	e	53 16
SH	eP	19 51 57
	e	53 03
TUC	iP	19 52 12
	e	53 18
Feb. 18		
BC	e	23 52 22
HH	e(P)	23 53 29
OV	e	23 52 26
PF	e	23 52 22
SH	e(P)	23 52 54
TUC	e(P)	23 51 58
Feb. 19		
COL	iP	06 11 46
Feb. 19		
BC	e	07 20 38
HH	e(P)	07 21 09
LOG	e	07 20 47
OV	e	07 20 34
	i	20 45
PF	e	07 20 33
	i	20 46
SH	eP	07 20 30
TUC	e(P)	07 20 38
	e	20 49
	e	23 16
Feb. 19, H = 08 29 44 By PAS, 34.5°N, 120.7°W. Southwest of		

Date and Station	Phase	Phase (GCT) h m s
Feb. 19, cont. Arguello, Calif. Mag. 3.5		
BC	e	08 31 10
	i	31 26
Feb. 19 TUC	eP	12 41 36
Feb. 19 COL	e(P)	13 08 49
	e	08 59
OV	e	13 13 35
Feb. 19 COL	eP	13 44 14
Feb. 19 BC	e	16 20 47
Feb. 19 COL	e	18 19 18
	e	20 03
HH	e	18 22 09
Feb. 20, H = 03 15 08** Southern Kamchatka.		
BC	e	03 25 25
COL	e	03 21 15
HH	e(P)	03 24 26
OV	iP	03 25 23
PF	iP	03 25 32
SH	e	03 24 31
TUC	iP	03 25 58
Feb. 20, H = 06 36 46 By PAS, 34°36'N, 118°00'W. East of Palmdale, Calif. Mag. 3.3		
OV	eP	06 37 48
	i	37 54
	i	38 02
	i(L)	38 38
TUC	e(P)	06 38 55
	eL	40 27
Feb. 20 BC	e	06 54 08
HH	e	06 54 25
OV	iP	06 51 53
	iL	54 25

Date and Station	Phase	Phase (GCT) h m s
Feb. 20 PF	eP	06 51 56
	e(S)	53 36
TUC	iP	06 50 52.5
	i	50 57.5
	i	51 08
	i	51 14.5
	i(S)	51 34
	i	51 45.5
	eL	51 54
Feb. 20 HH	eP	08 37 59
OV	i	08 37 12
PF	e	08 37 08
Feb. 20, H = 14 58 23** Near Payson, Utah. Felt.		
LOG	iP	14 58 51
	i(S)	59 15
	iL	59 29
OV	eP	14 59 23
	iP	59 32
	i	59 35
	iS	15 00 08
	iL	01 10
TUC	e(P)	15 00 19
	e	00 40
	i	00 46
	e(S)	01 27
	e	02 17
	iL	02 46
Feb. 20, H = 20 50 06* 19½°S, 63°W. Southern Bolivia. h = about 600 km.		
BC	i(P)	21 00 47
HH	iP	21 01 27
PF	iP	21 00 46
SH	iP	21 01 25
TUC	iP	21 00 18
Feb. 21 HH	e(P)	00 33 50
Feb. 21 BC	e	02 09 13
OV	e	02 09 15
PF	i	02 09 17
TUC	e(P)	02 09 14

Date and Station	Phase	Phase (GCT) h m s
Feb. 21 HH	e(P)	08 55 41
OV	e	08 54 52
PF	e	08 54 50
TUC	iP	08 54 21
Feb. 21 COL	e(P)	10 18 25
HH	e(P)	10 21 36.5
Feb. 21 BC	e	12 19 46
Feb. 21 COL	iP	13 52 51
Feb. 21 HH	iP	15 35 13
Feb. 21 HH	e(P)	16 33 37
SH	e	16 34 54
	e	35 26
Feb. 21 HH	e(P)	18 46 15
Feb. 21, H = 20 26 35** Kurile Islands. h = about 400 km.		
BC	eP	20 37 13
	e	38 38
COL	iP	20 33 30.5
	e(pP)	34 47
HH	iP	20 36 23
PF	iP	20 37 16
	i(pP)	38 41
SH	e	20 36 27
TUC	eP	20 37 44
	epP	39 10
Feb. 21, H = 20 38 03** Fox Islands, Aleutian Islands.		
BC	e	20 45 43
COL	eP	20 41 42
	e	42 26
	e	46 15
	e	46 26
HH	eP	20 44 42
	i	47 24
PF	i	20 45 46

Date and Station	Phase	Phase (GCT) h m s
Feb. 21 SH	eP	20 44 37
TUC	eP	20 46 22
Feb. 21, H = 22 36 30* 55°N, 160½°E. Near coast of Kamchatka. h = about 100 km.		
BC	iP	22 46 22
	i	46 47
COL	iP	22 42 10
HH	iP	22 45 22
	iPcP	46 39
	i(PP)	47 09
LOG	iP	22 46 03
	e	49 17
PF	iP	22 46 25
	e	47 23
SH	iP	22 45 27.5
	e	46 15
TUC	eP	22 46 55
	iP	46 56
	e	47 11
Feb. 21 BC	e	23 16 03
PF	e	23 15 52
TUC	e	23 15 51
Feb. 22, H = 03 30 39** Southwestern Bolivia. Felt in Chile. h = about 200 km.		
BC	e	03 41 50
	e	42 07.5
HH	iP	03 42 36
	i	43 03
LOG	eP	03 42 02
PF	iP	03 41 48
SH	iP	03 42 31
TUC	iP	03 41 20
	e	43 16
Feb. 22 HH	e	06 12 12
Feb. 22, H = 06 54 30** Fox Islands, Aleutian Islands.		
BC	e(P)	07 02 14

Date and Station	Phase	(GCT) h m s
Feb. 22		
COL	eP	06 58 10
	i	58 20
	eL	07 02 10
HH	eP	07 01 13
	e	01 18
OV	e	07 02 11
	i	02 23
	i	02 31
PF	e(P)	07 02 17
	e	03 51
TUC	iP	07 02 55
	i	05 27
Feb. 22		
COL	eP	08 26 00
	eS	26 46
	eL	27 00
Feb. 22		
COL	iP	11 05 32
HH	eP	11 07 55
SH	eP	11 08 00
Feb. 22		
BER	e	11 42 20
	eL	54 45
COL	e(P')	11 36 18
	e	36 31
HH	iP	11 35 31
PHIL	eL	12 18 37
Feb. 22, H = 14 13 33** Kurile Islands. h = about 60 km.		
BC	e(P)	14 24 32
	i	24 44
COL	iP	14 20 51
HH	iP	14 23 44
LOG	eP	14 24 31
OV	eP	14 24 31
	i	24 43
PF	iP	14 24 34
	i	24 47
SH	eP	14 23 42
	i	23 54
	i	24 38
TUC	e(P)	14 25 08
	i	25 14

Date and Station	Phase	(GCT) h m s
Feb. 22		
COL	e(P')	16 14 35
HH	eP	16 13 48
	e(pP)	14 02
Feb. 22		
BUT	iP	21 25 16
	i(S)	25 20
HH	eP	21 25 32
	i	25 34.5
	e(S)	25 57
Feb. 22, H = 23 59 58 By PAS, 33°32'N, 116°14'W. East of Santa Rosa Mountains, Calif. Mag. 3.1		
BC	eP	00 00 46.1
	i	01 00
	i(S)	01 25
OV	iP	00 00 46
PF	eP	00 00 45
	iS	01 28
TUC	iP	00 00 53
	i	01 03
	i	01 11
	i	01 21
	i(S)	01 36.5
	i	01 50
	eL	02 07
Feb. 23		
BC	e	00 10 07
PF	e	00 10 05
	i	10 10
TUC	iP	00 09 59
Feb. 23		
BC	e	02 39 19
COL	e(P)	02 39 46
HH	e(P)	02 39 42
PF	e	02 39 10
SH	e(P)	02 39 02
TUC	e	02 39 11
Feb. 23, H = 03 08 17** Fiji Islands region.		
BC	e	03 20 34
COL	eP	03 20 45
HH	eP	03 21 02

Date and Station	Phase	(GCT) h m s
Feb. 23		
OV	eP	03 20 36
PF	iP	03 20 37
SH	eP	03 20 16
TUC	iP	03 20 41
Feb. 23, H = 04 48 23* 44½°N, 151°E. Kurile Islands. h = about 60 km.		
BC	iP	04 59 24
	ipP	59 36
COL	iP	04 55 42.5
HH	iP	04 58 36
	i	59 34
LOG	eP	04 59 09
	epP	59 22
OV	iP	04 59 22
	ipP	59 36
PF	iP	04 59 25
	ipP	59 38
SH	eP	04 58 33
	ipP	58 46
	i	59 29
TUC	e(P)	04 59 53
	ipP	05 00 06
Feb. 23		
COL	e	05 29 32
HH	e	05 27 32
PF	e	05 29 10
SH	i	05 27 28
Feb. 23		
BC	e	07 56 49
COL	iP	07 56 07
OV	e(P)	07 56 53
PF	e(P)	07 56 55
SH	e(P)	07 56 26
Feb. 23, H = 08 31 23* 50°N, 148°E. Sea of Okhotsk. h = about 500 km. Mag. 6		
BC	iP	08 41 36
	ipP	43 28
	eS	49 58

Date and Station	Phase	(GCT) h m s
Feb. 23		
COL	iP	08 37 49
	e	39 06
	epP	39 20
	i(PP)	39 35
	i	41 37.5
	eS	42 26
	eL	46 03
HH	iP	08 40 45
	iPcP	41 25
	ipP	42 32
	ePP	42 33
LOG	iP	08 41 19
	ipP	43 09
	ePP	44 01
	e(pPP)	45 31
	eS	49 27
OV	iP	08 41 36
	epP	43 27
	eS	50 17
PF	iP	08 40 38
	i(pP)	43 30
	e	45 18
	e	50 01
SH	iP	08 40 47
	iPcP	41 16
	ipP	42 34
	i	43 01
	e(PP)	43 24
	eS	48 27
	eScS	49 46
TUC	iP	08 42 05
	e(pP)	43 55
	ePP	44 56
	e	45 48
	eS	50 49
Feb. 23		
PF	e	08 50 46
Feb. 23		
COL	iP	11 12 49.5
HH	e(P)	11 14 54
	e	18 50
Feb. 23		
COL	e	12 26 30
	i	26 44
	e	31 13
HH	eP	12 29 33
	i	29 39
OV	eP	12 30 35
PF	eP	12 30 37
	i	30 50
SH	e	12 29 37

Date and Station	Phase	Phase (GCT) h m s
Feb. 23		
COL	e(P)	13 46 53
HH	iP	13 49 50
OV	e	13 50 43
SH	eP	13 49 46
Feb. 23		
PF	eP	15 31 06
TUC	eP	15 30 28
Feb. 23		
BC	i	16 58 53
COL	eP	16 55 49
HH	iP	16 58 15
	i	59 36
OV	iP	16 58 51
PF	iP	16 58 54
SH	iP	16 58 11
Feb. 23, H = 16 59 10** Kurile Islands. h = about 60 km.		
BC	e	17 10 09
	i	10 21
COL	iP	17 06 26
	e	08 43
HH	iP	17 09 18
OV	iP	17 10 09
	ipP	10 19
PF	eP	17 10 09
	ipP	10 23
SH	eP	17 09 17
	iP	09 30
	i	10 14
TUC	eP	17 10 40
	ipP	10 50
Feb. 23		
COL	eP	21 04 41
	iP	04 42
HH	iP	21 07 47
SH	e	21 07 53
Feb. 23, H = 21 45 43** Fiji Islands region. h = about 60 km. Mag. 6½		
BC	iP	21 57 54

Date and Station	Phase	Phase (GCT) h m s
Feb. 23		
COL	iP	21 58 25
	i	58 44
	e	59 27
	e	22 01 19
	e(PP)	01 53
	iS	08 43
HH	iP	21 58 28
LOG	eP	21 58 16
OV	iP	21 57 56
	i	58 19
PF	iP	21 57 57
	i	58 46
SH	iP	21 57 42
TUC	iP	21 57 59
	i	58 12
	eS	22 07 55
Feb. 23		
HH	iP	22 16 10
PF	e	22 16 29
Feb. 24		
COL	e	00 35 40
	e	35 52
HH	iP	00 36 36.5
SH	e	00 36 35
Feb. 24, H = 06 01 42* 6°N, 77½°W. Near coast of Colombia.		
BC	e(P)	06 10 06
COL	eP	06 13 33
BH	iP	06 02 39
	iS	03 21
HH	iP	06 10 57
	ipP	11 05
	i	11 07
LOG	eP	06 10 13
OV	iP	06 10 06
	i	10 42
PF	iP	06 10 01
	i	10 10
	e	10 27
SH	eP	06 11 00
TUC	iP	06 09 26
	i	09 33
	ePP	11 13

Date and Station	Phase	Phase (GCT) h m s
Feb. 24		
HH	eP	08 06 17
PF	e	08 06 51
Feb. 24, H = 12 38 50** Indian Ocean, about 900 miles southeast of Madagascar.		
BC	eP'	12 59 02
COL	iP'	12 58 25
	e	58 37
	e	58 54
	e(PP)	13 01 43
HH	eP'	12 58 53
	i	59 48
OV	eP'	12 59 39
	e	13 00 29
	e	05 21
SH	e	13 00 27
	i	04 17
TUC	eP'	12 58 59
	e	59 10
Feb. 24		
HH	iP	16 03 09
PF	e	16 02 24
TUC	e	16 02 04
Feb. 24		
HH	iP	16 06 05
Feb. 24		
BC	i(P)	16 18 30
OV	iP	16 18 33
	ipP	20 24
PF	iP	16 18 34
	epP	20 25
SH	iP	16 18 21
TUC	iP	16 18 34
	epP	20 25
Feb. 24		
COL	iP	21 27 18
	eL	29 00
HH	e(P)	21 31 05
	i	31 09
	i	31 34
PF	e	21 32 51
SH	e	21 31 48
TUC	eP	21 32 36
	e	33 33

Date and Station	Phase	Phase (GCT) h m s
Feb. 25		
COL	eP	01 31 08
Feb. 25		
HH	iP	01 57 33
Feb. 25		
BC	e	02 03 55
OV	e	02 04 05
	e	05 05
PF	eP	02 03 39
TUC	e	02 04 00
Feb. 25, H = 05 47 09* 45½°N, 99°E. South-western Mongolia.		
BC	e(P)	06 00 28
	e	00 44
COL	iP	05 57 06
HH	iP	05 59 32
	i	59 47
LOG	iP	06 00 05
OV	iP	06 00 26
PHIL	eL	06 43 46
PF	eP	06 00 28
	e	03 03
SH	iP	05 59 54
	i	06 00 00
TUC	e(P)	06 00 47
Feb. 25		
HH	iP	09 10 29
Feb. 25, H = 09 51 34* 28°N, 131°E. Ryukyu Islands region.		
BC	eP	10 04 46
	ePP	08 25
	e	09 23
COL	iP	10 01 55
HH	iP	10 04 12
LOG	eP	10 04 38
OV	eP	10 04 46
	i	08 22
	iPP	09 22
PHIL	eL	10 46 23
PF	eP	10 04 48
	iPP	09 26

Date and Station		Phase (GCT) h m s
Feb. 25		
SH	iP	10 04 08
	e	04 41
	ePP	07 22
TUC	iP	10 05 10
	e(PP)	09 01
Feb. 25, H = 09 56 27** Ryukyu Islands aftershock.		
COL	iP	10 06 31
	eS	10 25
	eL	22 22
HH	iP	10 08 49
LOG	iP	10 09 12
SH	iP	10 08 45
TUC	iP	10 09 46
	e(PP)	13 36
Feb. 25		
COL	e	10 20 17
Feb. 25, H = 10 39 27** Ryukyu Islands aftershock.		
BC	eP	10 52 30
COL	iP	10 49 37.5
HH	iP	10 51 55
LOG	e	10 52 20
OV	iP	10 52 29
PF	iP	10 52 31
	e	56 10
SH	iP	10 51 51
TUC	iP	10 52 51
Feb. 25		
COL	e(P)	13 18 57
Feb. 25, H = 13 37 37* 40°N, 112°W. Central Utah, south of Salt Lake City.		
BC	e(P)	13 39 00
	e	39 57
HH	e(P)	13 39 42
LOG	iP	13 38 04
	iS	38 31
	iL	38 47
OV	eP	13 38 42
	iP	38 49
	e	39 44
Feb. 25		
PF	eP	13 38 42
	iP	38 51
	e	39 46
SLC	e	13 38 01
TUC	eP	13 39 54
	i	40 02
	i	40 51
	i(S)	41 09
	i	41 15
	iL	41 40
Feb. 25, H = 14 02 57** Fiji Islands region.		
COL	iP	14 15 31.5
HH	iP	14 15 40
PF	iP	14 15 11
SH	iP	14 14 55
Feb. 25		
BC	eP	15 31 14
Feb. 25		
BC	eP	19 41 45
COL	e(P)	19 45 42
	e(pP)	46 19
PF	eP	19 41 21
	e	48 51
TUC	iP	19 40 41
Feb. 25, H = 21 14 52* 17°S, 168½°E. New Hebrides Islands. h = about 200 km.		
BC	iP	21 27 34
	epP	28 24
COL	e(P)	21 27 26
OV	iP	21 27 35
PF	iP	21 27 35
	epP	28 21
SH	eP	21 27 17
	epP	28 11
TUC	iP	21 27 41
	epP	28 35
Feb. 25		
BC	e(P)	22 05 03
COL	e(P)	22 09 19
	e	09 57
PF	eP	22 05 00
Feb. 25		
TUC	eP	22 04 18
	e	04 30
Feb. 26, H = 00 06 22* By PAS, 34°37'N, 119°05'W. Near Sespe Hot Springs, Calif. Minor damage in Ventura and Santa Paula. Mag. 4.7		
BC	eP	00 07 25
	iP	07 40
	iL	08 31
BOZ	eL	00 12 15
BUT	eL	00 13 17
HH	eP	00 09 53.5
	e(L)	14 03
LOG	e	00 08 45
	eL	11 27
OV	iP	00 07 33
	i	07 48
PF	iP	00 07 33
	i	07 49
	iS	08 21
RC	i	00 10 20
	eL	15 21
SLC	e	00 09(36)
	eL	10(46)
SH	eP	00 08 07
	e(S)	09 22
	e(L)	10 16
TUC	e(P)	00 08 11
	e	08 21
	e	08 38
	e	08 43
	i(S)	09 25
	e	09 42
	eL	10 02
UK	e(S)	00 08 22
	eL	09 42
Feb. 26		
BC	eP	01 25 46
COL	iP	01 22 09
PF	eP	01 25 47
SH	eP	01 24 59
Feb. 26		
HH	eP	01 31 09
Feb. 26		
COL	eP	01 57 17
Feb. 26		
HH	e(P)	01 57 16
PF	e	01 56 38
Feb. 26		
COL	iP	02 33 28
Feb. 26		
BC	eP	02 36 53
COL	e	02 41 35
PF	e	02 36 47
TUC	eP	02 36 06
	e	36 26
Feb. 26, H = 03 35 44* 29°N, 91°E. Tibet-Bhutan border.		
COL	iP	03 47 38
	e	50 28
HH	eP	03 49 35
Feb. 26		
BC	iP	09 16 38
COL	eP	09 20 57
	e	21 36
HH	eP	09 17 53
OV	iP	09 16 38
PF	iP	09 16 33
SH	e(P)	09 20 01
TUC	eP	09 15 53
Feb. 26		
OV	e	12 21 24
TUC	eP	12 16 15
Feb. 26, H = 21 01 25** Near coast of central Chile. Felt.		
HH	iP	21 14 03
OV	e	21 14 02
PF	e(P)	21 13 13
	i	13 28
SH	e	21 13 52
TUC	e	21 12 43
Feb. 26		
COL	iP	22 13 33
	i	13 46
	e	14 03
	e	16 20

Date and Station	Phase	Phase (GCT) h m s
Feb. 26		
HH	iP	22 15 01
Feb. 27, H = 04 01 46** Central Nicaragua.		
COL	e	04 12 40
LOG	e	04 08 54
PF	e	04 08 37
SJ	e	04 06 45
	eL	10 17
TUC	eP	04 08 03
Feb. 27, H = 11 23 11** Mediterranean Sea, south of Greece.		
COL	eP	11 35 25
HH	iP	11 36 04
Feb. 27		
OV	i	12 23 56
Feb. 27		
HH	e(P)	13 24 40
PF	e(P)	13 23 53
SH	e	13 30 42
TUC	iP	13 23 23
Feb. 27		
COL	e(P)	23 35 48
Feb. 28, H = 01 44 30** Bonin Islands.		
COL	eP	01 54 12
HH	iP	01 56 27
	e	56 48
OV	e(P)	01 56 58
PF	eP	01 57 00
SH	eP	01 56 16
TUC	eP	01 57 21
Feb. 28		
HH	e(P)	05 17 12
Feb. 28		
COL	iP	07 46 51
	e	49 59
HH	eP	07 51 43
Feb. 28		
HH	iP	08 46 55
	iL	47 14

Date and Station	Phase	Phase (GCT) h m s
Feb. 28, H = 10 20 58* 46°N, 143½°E. Off north coast of Hokkaido, Japan. Felt. h = about 350 km. Mag. 7.8		
BER	e(pP)	10 35 09
	e	37 05
	e(pPP)	39 06
	eS	45 10
	i	49 00
	i	53 20
	eL	11 02 02
T_S = 12. A = 5.0 mm.		
T_L = 16. A = 4.5 mm.		
BC	iP	10 31 51
	ipP	33 05
	isP	33 36
	iPP	34 39
	epPP	35 44
	esPP	36 12
	e(PPP)	36 24
	e(pPPP)	37 22
	iS	40 46
	e(ScS)	41 29
	i	42 22
	eSS	45 40
	iP'P'	59 13
	i	11 02 39
BOZ	iP	10 31 20
	epP	32 27
	iPP	33 55
	ePPP	35 07
	eS	39 46
	iS	39 53
	e	41 01
	e	42 09
	eSS	44 25
	eL	49 31
BUT	iP	10 31 15
	epP	32 41
	ePP	33 51
	iS	39 41
	i(sS)	40 37
	eSS	45 49
	eL	48 55
CHI	iP	10 32 41
	e(pP)	34 08
	ePP	35 57
	iS	42 13
	e(sS)	44 01
	e(SS)	47 07
	eL	52 11
COL	iP	10 28 05
	ePcP	30 12
	ePPP	30 32
	iS	33 47
	e(SS)	37 01
	eScS	37 48
	eL	38 14
	i(P'P')	57 39

Date and Station	Phase	Phase (GCT) h m s
Feb. 28		
COLU	eP	10 33 26
	ePP	37 02
	iSKS	43 25
	iSP	45 00
	eSSS	54 52
	eL	57 12
HONO	iP	10 29 44
	i	30 22
	epP	30 45
	iPP	31 43
	iPPP	32 43
	eS	36 53
	iS	36 56
	esS	38 20
	eSS	41 00
	iL	42 45
T_S = 14. A = 26mm.		
T_L = 18. $A_{max.}$ = 25mm.		
HH	iP	10 31 02
	iS	39 15
	e(P'P')	58 39
	iP'P'	59 38
	i	11 01 15
LIN	iP	10 32 25
	iPP	35 29
	ePPP	37 20
	iS	41 47
	iPS	43 27
	eSS	47 12
	i	53 29
	eL	54 15
NK	iP	10 33 01
	e	35 52
	iS	42 54
	iPS	44 04
	isS	44 45
	esSS	50 28
	e(L)	54 30
OV	iP	10 31 50
	iS	40 45
	i	42 07
	isS	42 48
	i	44 15
	i	11 01 03
	iP'P'	03 45
PHIL	iP	10 33 11
	iPP	36 33
	iS	43 06
	i(PS)	44 20
	i(sS)	44 58
	e(SS)	49 53
	eL	57 01
PF	i(sP)	10 33 36
	iPP	34 53
	iPPP	35 30
	i	36 37
	i	38 30
	iS	40 52
	iScS	41 12
	esS	42 47

Date and Station	Phase	Phase (GCT) h m s
Feb. 28 PF, cont.		
	esPS	10 43 22
	eSS	45 47
	eSSS	49 25
	iP'P'	59 00
RC	iP	10 31 54
	iS	40 53
	iL	51 09
SLC	iP	10 31 43
	ipP	32 59
	iPPP	36 07
	iS	40 33
	i	41 15
	eSS	45 17
	eL	50 04
SJ	e	10 35 03
	iPP	39 33
	iS	45 00
	i(sS)	46 01
	i	46 43
	e(PS)	47 40
	i	49 08
	eSS	52 58
	e(SSS)	58 33
	eL	11 05 56
SH	iP	10 31 04
	i	31 48
	i(pP)	32 26
	iS	39 20
	iScS	40 24
	i(sS)	40 58
	eL	46 35
	iP'P'	59 35
	eSKPP'	11 02 44
SIT	iP	10 29 12
	epP	31 12
	ePP	32 19
	iS	35 50
	isS	37 26
	eSS	39 10
	i	41 24
	eL	42 30
TUC	iP	10 32 18
	ipP	33 34
	e	34 20
	iPP	35 17
	e	36 14
	i	37 31
	i	38 39
	iS	41 44
	eSS	45 45
	eL	52 07
	eP'P'P'	11 19 04
UK	iP	10 31 06
	ePP	33 30
	ePPP	35 06
	iS	39 26
	e(sS)	41 37
	e(SS)	44 32
	eSSS	46 50
	eL	48 20

Date and Station	Phase	Phase (GCT) h m s
Feb. 28		
WASH	iP	10 33 17
Feb. 28, H = 17 01 50* 54½°N, 159°E. South-eastern Kamchatka. h = about 100 km.		
BC	iP	17 11 47
	e	12 14
COL	iP	17 07 34
	e	08 39
HH	iP	17 10 48
	i	12 30
OV	iP	17 11 45
	ipP	12 09
PF	iP	17 11 49
	ipP	12 16
SH	iP	17 10 53
	epP	11 18
TUC	eP	17 12 19
	epP	12 47
Feb. 28		
SH	eP	19 12 06
Feb. 28		
HH	i(P)	23 13 02
Mar. 1		
COL	e	01 16 25
HH	eP	01 16 18
	iP	16 22
	i	16 51
Mar. 1		
HH	e(P)	03 03 20
OV	e	03 05 01
PF	e	03 05 02
TUC	eP	03 05 17
Mar. 1		
PF	e	03 15 57
SH	e(P)	03 15 44
TUC	eP	03 15 59
Mar. 1, H = 03 34 05** Tonga Islands region.		
BC	e	03 45 51
COL	iP	03 46 28
HH	e(P)	03 46 27.5
OV	iP	03 45 54
Mar. 1		
PF	iP	03 45 54
SH	iP	03 45 37
TUC	iP	03 45 57
Mar. 1		
COL	iP	07 40 12
Mar. 1		
LOG	eP	08 19 07
	e(S)	19 34
	eL	19 51
Mar. 1, H = 08 23 53* 45°S, 96°E. South Indian Ocean.		
BER	eL	09 39 18
BC	e(P')	08 43 49
COL	e(P')	08 43 29
HH	e(P')	08 43 57
LOG	e(P')	08 44 14
OV	eP'	08 43 50
	i	43 58
PHIL	e	09 10 20
	eL	38 47
PF	e(P')	08 43 48
SH	e	08 43 46
	e	43 48.5
TUC	e(P')	08 43 47
	e	44 02
	eL	09 48 18
Mar. 1		
LOG	iP	08 55 02
	iS	55 29
	iL	55 35
TUC	e	08 57 03
	eL	58 38
Mar. 1		
HH	e(P)	16 34 21
Mar. 1		
HH	i(P)	17 53 25
Mar. 1		
TUC	iP	21 52 46
Mar. 1		
SH	e	21 56 14
TUC	eP	21 56 28
Mar. 2, H = 06 19 32** Tonga Islands region.		
Mar. 2		
BC	eP	06 31 25
COL	iP	06 32 02
	i	32 17
HH	iP	06 32 01
LOG	eP	06 31 50
	e	32 05
OV	eP	06 31 27
PF	iP	06 31 29
SH	eP	06 31 12
TUC	iP	06 31 30
Mar. 2		
COL	iP	07 07 50
Mar. 2		
BC	e	11 20 10
HH	iP	11 20 59
	i	21 18
OV	iP	11 20 12
	i	20 30
PF	i(P)	11 20 08
SH	e	11 20 51
TUC	iP	11 19 39
Mar. 2		
COL	iP	12 41 21
HH	iP	12 43 06
OV	e	12 43 21
PF	eP	12 43 23
SH	eP	12 42 45
	e	42 56
Mar. 2		
OV	iP	13 23 27
PF	iP	13 23 28
SH	e	13 23 16
TUC	e(P)	13 23 25
Mar. 2, H = 18 39 46* 61°S, 35°W. Sandwich Islands region. Mag. 6-3/4 - 7		
BER	eL	19 05 30
BC	eP'	18 58 28
	ePP	59 34
	ePS	19 09 01
Mar. 2		
BOZ	eL	19 46 32
COL	eP'	18 59 25
	iP'	59 27
	i	19 00 04
	e	09 26
	e	11 08
HH	iP'	18 58 46
	i	59 18
	iPP	19 00 26
	e(PKKP)	08 24
	e(PPS)	11 32
	e(SKKP)	12 06
LIN	eL	19 39 08
LOG	e	18 58 33
	ePP	19 00 01
OV	eP'	18 58 29
	iPP	59 31
	e(PKKP)	19 08 02
PHIL	e	19 13 32
	eL	23 34
PF	eP'	18 58 29
	i(PP)	59 33
RC	ePP	18 59 48
	e	19 17 07
	eL	39 24
SJ	e(P)	18 52 08
	e(PP)	55 40
	eS	19 02 57
	eSS	07 36
	eL	10 33
SH	e(P)	18 58 42
	e	19 00 36
TUC	eP'	18 58 17
	e(PP)	58 58
	i	59 22
	e(SKS)	19 05 26
	e(PS)	08 30
	i	09 52
	eSS	14 40
	eL	32 53
Mar. 2		
COL	iP	20 01 37
Mar. 2		
COL	iP	21 04 45
HH	e(P)	21 03 56
	e(pP)	04 04
Mar. 2		
COL	iP	22 25 10
	i	25 16
	e	25 24

Date and Station	Phase	Phase (GCT) h m s
Mar. 2		
HH	iP	22 24 22
	i	24 29
Mar. 2		
HH	i(P)	22 48 09
Mar. 3		
COL	eP	00 02 54
OV	i(P)	00 02 18
PF	e(P)	00 02 17
SH	e	00 02 07
TUC	e	00 02 17
Mar. 3		
BH	iP	00 33 10
	iS	33 41
Mar. 3		
BH	iP	00 44 02
	iS	44 30
Mar. 3		
COL	eP	00 54 01
HH	eP	00 56 39
OV	e	00 57 32
PF	e	00 57 28
	e	57 40
Mar. 3		
BH	e	02 02 12
	iS	02 40
Mar. 3, H = 04 12 24** Tonga Islands region.		
BC	e	04 24 37
COL	iP	04 25 11
HH	eP	04 25 13
OV	iP	04 24 40
PF	i(P)	04 24 40
TUC	eP	04 24 42
Mar. 3		
TUC	eP	05 33 46
Mar. 3, H = 06 12 24** Sandwich Islands aftershock.		
BC	eP	06 26 53
COL	iP	06 32 13.5
	i	32 19
	i	32 40

Date and Station	Phase	Phase (GCT) h m s
Mar. 3		
HH	iP	06 31 25
OV	eP	06 26 55
PF	eP	06 26 49
SJ	eL	07 00 12
TUC	eP	06 26 09
Mar. 3		
COL	e	07 18 19
Mar. 3, H = 07 42 13** Near east coast of Kamchatka.		
BC	eP	07 52 09
COL	iP	07 47 51
HH	iP	07 51 08
	e	52 54
OV	iP	07 52 08
PF	iP	07 52 12
	i	52 31
SH	i(P)	07 51 12
TUC	eP	07 52 43
	i	52 46
Mar. 3		
COL	eP	09 47 15
Mar. 3		
BC	e	10 20 37
COL	eP	10 16 53
HH	iP	10 19 47
OV	eP	10 20 36
PF	eP	10 20 37
SH	e	10 19 45
TUC	e	10 21 06
Mar. 3, H = 10 43 31* 28°S, 175½°W. Kermadec Islands region.		
BC	eP	10 56 13
CHI	eL	11 32 14
COL	eP	10 56 53
	i	57 09
	ePP	11 00 22
	e	00 43
HH	iP	10 56 50
	i	57 04

Date and Station	Phase	Phase (GCT) h m s
Mar. 3		
LOG	e	10 56 40
	e	58 24
	ePP	11 00 17
	eL	29 04
OV	iP	10 56 17
	e	58 47
PHIL	eL	11 38 23
PF	iP	10 56 16
SH	iP	10 56 06
	e	56 21
TUC	iP	10 56 15
	e	56 30
	e(S)	11 06 36
	e	07 02
	eL	13 32
UK	eL	11 23 26
Mar. 3, H = 12 57 00** Andreanof Islands, Aleutian Islands.		
COL	eP	13 01 06
HH	iP	13 04 02
	i	04 08
OV	i(P)	13 04 59
PF	e(P)	13 05 02
Mar. 3		
HH	iP	13 06 31
TUC	iP	13 06 37
Mar. 3, H = 13 05 26 By PAS, 34°22'N, 116°29'W. East of Old Woman Springs, Calif. Mag. 3.5		
BC	iP	13 06 01
	i	06 08
	iS	06 27
	eL	06 55
OV	e(P)	13 06 11
	i	06 18
	iL	06 56
PF	iP	13 06 10
	i	06 17
	i	06 37
	iL	06 53
TUC	e	13 06 51
	eL	08 14
Mar. 3		
COL	e(P)	14 21 33

Date and Station	Phase	Phase (GCT) h m s
Mar. 3		
HH	iP	14 23 50
SH	e	14 23 46
Mar. 3, H = 15 41 11* 60°S, 35°W. Sandwich Islands.		
COL	iP	16 01 59.5
	i	02 05
	e	03 29
HH	iP	16 00 11
	i	00 17
	i	00 34
	ePP	04 49
	e	09 42
	e	13 31
LOG	e	16 01 24
	e	14 11
OV	e	16 00 35
	e	10 05
PF	eP'	15 59 53
	e	16 00 57
SH	e(P')	16 00 06.5
TUC	eP'	15 59 44
	e	59 51
	eL	16 35 22
Mar. 3		
OV	iP	17 02 52
	i	03 00
	i(S)	03 40
PF	eP	17 03 17
	i(S)	03 49
	eL	04 10
Mar. 3		
COL	e(P)	18 52 22
PF	e(P)	18 49 29
Mar. 4		
BC	iP	02 22 19
COL	iP	02 19 03
HH	iP	02 21 36
	i	21 48
OV	eP	02 21 54
	i	22 38
PF	e	02 22 22
SH	e	02 21 38
	e	21 47
TUC	e	02 22 54

Date and Station	Phase	(GCT)
		h m s
Mar. 4, H = 06 46 09* 9°S, 158°E. Solomon Islands.		
BC	eP	06 59 25
COL	iP	06 58 40
	e	59 04
HH	e(P)	06 59 36
PF	e(P)	06 59 29
SH	eP	06 59 02
Mar. 4		
COL	eP	07 16 56
HH	iP	07 19 53
OV	eP	07 20 23
PF	eP	07 20 52
SH	e	07 20 05
TUC	e	07 21 28
Mar. 4		
HH	iP	08 33 40
Mar. 4		
BH	iP	09 56 38
	iS	57 05
Mar. 4, H = 12 59 35** About 150 miles off coast of northern Chile.		
HH	iP	13 11 50
OV	iP	13 11 08
	i	11 22
PF	e(P)	13 10 59
SH	eP	13 11 42
TUC	iP	13 10 30
Mar. 4		
BC	eP	15 33 29
HH	eP	15 34 31
	i	34 40
	e	34 49
OV	eP	15 33 38
PF	eP	15 33 28
SH	e(P)	15 33 59
TUC	eP	15 33 05
	e	33 39
	ePP	35 25

Date and Station	Phase	(GCT)
		h m s
Mar. 4, H = 15 48 36* 59°S, 29°W. Sandwich Islands.		
BC	iP'	16 07 21
	ePP	08 34
	i	08 57
COL	eP'	16 08 19
	e	08 22
	i	08 28
	e	08 40
	i	09 20
	e(PP)	12 13
	e	13 04
	e(SKKS)	18 19
HH	iP'	16 07 39
	ePP	09 48
	e	20 42
LOG	eP'	16 07 27
	ePP	09 00
	e	10 26
	e	21 15
OV	iP'	16 07 27
	iPP	08 52
	e	17 46
PF	iP'	16 07 21
	iPP	08 54
SH	eP'	16 07 35
TUC	eP'	16 07 12
	e	08 09
	ePS	18 34
WASH	iPP	16 07 19
	i	07 34
Mar. 5, H = 00 32 40* 39°N, 71°E. South-eastern Turkistan.		
COL	iP	00 44 07
	i	44 14
	i	44 49
HH	iP	00 45 56
Mar. 5		
HH	iP	07 48 32
PF	e	07 48 00
Mar. 5		
BC	eP	09 33 46
COL	iP	09 34 22
	e	34 43
HH	iP	09 34 22
	e	34 43
LOG	eP	09 34 11
	e	34 30

Date and Station	Phase	(GCT)
		h m s
Mar. 5		
OV	iP	09 33 54
PF	iP	09 33 48
SH	eP	09 33 33
	e	33 52
TUC	iP	09 33 50
	e	34 07
	e	35 20
Mar. 5		
BC	eP	10 45 09
COL	e	10 45 51
	e	46 13
OV	eP	10 45 16
PF	eP	10 45 11
TUC	e(P)	10 45 12
Mar. 5		
BH	e	13 46 33
	iS	47 19
Mar. 5, H = 14 15 48* 14½°S, 165°E. New Hebrides Islands.		
BC	iP	14 28 53
COL	iP	14 27 50
	ipP	28 32
HH	eP	14 29 11
LOG	eP	14 29 09
OV	iP	14 28 59
PF	iP	14 28 56
SH	eP	14 28 32
TUC	iP	14 29 04
Mar. 5		
LOG	iP	14 53 12
	iS	53 37
	iL	53 45
Mar. 5		
HH	eP'	16 07 44
Mar. 5		
PF	e	17 16 42
Mar. 5		
COL	e	17 31 03
Mar. 5, H = 18 01 16* 22°S, 69°W. Northern Chile. Felt. h = about 100 km.		

Date and Station	Phase	(GCT)
		h m s
Mar. 5		
BC	iP	18 12 34
	ipP	13 08
COL	e	18 45 28
HH	iP	18 13 22
	ipP	13 56
LOG	eP	18 12 46
	epP	13 35
OV	iP	18 12 41
	e	14 52
PF	iP	18 12 33
	ipP	13 08
	i	13 22
SH	iP	18 13 15
	epP	13 51
TUC	iP	18 12 03
	e(pP)	12 37
	e	13 09
WASH	iP	18 11 22
	epP	11 50
Mar. 5		
HH	iP	23 44 33
Mar. 6		
COL	eP	07 52 06
	e	52 54
	eL	53 30
HH	eP	07 55 12
Mar. 6		
LOG	iP	10 20 00
	iS	20 27
	iL	20 35
Mar. 6		
COL	e(P)	15 36 03
Mar. 6		
COL	iP	17 18 37
	i	18 44
HH	iP	17 17 49
Mar. 6		
COL	iP	21 43 30
HH	e(P)	21 44 54
Mar. 6, H = 22 21 44** New Hebrides Islands. h = about 150 km.		
BC	e	22 34 53
	i	34 57
COL	e	22 34 06
	e	34 42
OV	i	22 35 05

Date and Station	Phase	Phase (GCT) h m s
Mar. 6		
PF	e	22 34 59
SH	iP	22 34 02
	ipP	34 38
TUC	e(P)	22 35 02
	i	35 07
Mar. 7		
HH	e(P)	01 52 46
TUC	e	01 51 13
Mar. 7, H = 02 07 54* 11°N, 122½°E. Panay Island, P. I. Felt in Iloilo. Mag. 6-3/4		
BER	e	02 32 05
	e	40 19
	e	44 40
	eSSS	54 28
	eL	03 04 46
BC	eP'	02 26 20
	e	27 07
COL	iP	02 20 02
	ipP	20 18
	e	21 27
	e	22 11
	e	22 50
	ePP	23 12
	eS	30 05
	eP'P'	46 53
COLU	ePP	02 29 16
	e	30 26
	eSKS	34 10
	e	41 08
	eSS	46 45
	eL	03 03 39
HONO	e(S)	02 29 49
	eL	39 28
HH	iP	02 21 51
	e	25 05
	ePKKP	37 45
LOG	e(P)	02 22 12
	ePP	26 19
	e(SKS)	33 25
	e	37 42
	eL	53 38
OV	eP'	02 25 49
	iPP	26 56
PHIL	ePP	02 28 50
	e(SKS)	34 37
	ePS	39 15
	eSS	46 00
	eSSS	50 12
	eL	59 16
Mar. 7		
PF	eP'	02 26 30
	e(PS)	36 54
RC	ePP	02 27 10
	eSKS	33 10
	ePS	36 20
	eSS	42 07
	eSSS	47 11
	eL	03 01 30
SLC	e(SKS)	02 32 58
	e	33 02
	ePS	36 04
	eSS	41 26
	e	46 23
	eL	56 29
SJ	eP'	02 27 36
	ePP	31 51
	e	33 09
	eSKS	35 00
	e	42 15
	e(SS)	49 23
	e	56 14
	eL	03 08 26
SH	e(P)	02 21 43
	i	22 19
	e	25 17
	e(PP)	26 14
SIT	e(P)	02 20 43
	ePP	24 10
	eS	31 14
	eL	45 25
TUC	eP'	02 26 27
	ePP	27 22
	e	30 22
	eSKS	33 17
	e	34 26
	ePS	36 53
	e(SS)	43 10
	eL	57 15
UK	e(SKS)	02 34 40
	eL	50 00
WASH	iP'	02 26 57
	epP	27 26
	ePP	28 53
	e	29 16
	e(SKS)	35 51
	ePS	39 03
	eSS	45 08
	eL	03 05 06
Mar. 7		
COL	e(P)	05 31 48
	e	35 31
HH	iP	05 34 07
	i(pP)	34 19
Mar. 7		
TUC	iP	06 14 36
Mar. 7		
HH	iP	06 32 26.5
Mar. 7		
COL	iP	07 09 11
HH	iP	07 10 34
Mar. 7		
COL	e(P)	07 18 34
Mar. 7		
COL	e(P)	11 19 14
HH	iP	11 21 46
Mar. 7		
HH	iP	12 43 39
TUC	eP	12 42 25
Mar. 7		
COL	iP	16 20 23
Mar. 8, H = 03 06 07** Fiji Islands region.		
BC	eP	03 18 32
OV	eP	03 18 33
PF	eP	03 18 34
SH	e	03 18 12
TUC	eP	03 18 25
	e	18 40
Mar. 8, H = 03 23 57 By BERK, 37°46'N, 122°10'W. Near Stonehurst, Calif. Felt in Moraga, Oakland, Lafayette, Berkeley, and San Francisco. Mag. 3.3		
OV	e	03 25 45
	e	25 54
	iL	27 57
SH	iP	03 24 39
	eL	25 51
Mar. 8, H = 03 28 00** New Hebrides Islands region.		
BC	eP	03 41 02
COL	e	03 40 51
	e	41 03
OV	e(P)	03 41 06
PF	e(P)	03 40 59
SH	eP	03 40 38
Mar. 8		
TUC	eP	03 41 05
Mar. 8		
BC	eP	05 03 44
OV	eP	05 03 46
PF	eP	05 03 48
SH	eP	05 03 26
TUC	eP	05 03 53
Mar. 8		
BC	iP	06 42 44
COL	iP	06 39 34
HH	iP	06 42 05
OV	eP	06 42 44
PF	iP	06 42 46
SH	iP	06 42 03
TUC	eP	06 43 08
Mar. 8		
COL	iP	23 55 07
Mar. 8		
HH	e	03 25 36
Mar. 9, H = 05 01 14** Northern Chile-Argentina border region.		
BC	eP	05 12 49
COL	e(P)	05 09 42
HH	iP	05 13 35
OV	iP	05 12 49
	e	13 33
PF	eP	05 12 46
SH	iP	05 13 28.5
TUC	iP	05 12 19
Mar. 9, H = 06 51 39** Fiji Islands region.		
BC	e	07 03 49
COL	iP	07 04 11
HH	iP	07 04 25
OV	iP	07 03 51
PF	iP	07 03 50
SH	iP	07 03 34

Date and Station	Phase	Phase (GCT) h m s
Mar. 9		
TUC	iP	07 03 54
Mar. 9		
COL	e	08 33 58
HH	eP	08 36 24
OV	e	08 37 09
PF	e	08 37 11
SH	e	08 36 29
Mar. 9, H = 10 03 39* 16°N, 60°W. Leeward Islands.		
BH	iP	10 08 14
BER	e	10 08 38
	eL	12 05
BC	iP	10 12 53
	e(PcP)	13 55
	ePP	14 48
	eS	20 23
BOZ	e(S)	10 21 21
	eL	27 49
COL	iP	10 15 20
	i	15 44
	i	16 30
	e(PP)	18 05
	ePP	18 18
	eS	54 51
	e(ScS)	55 22
HH	iP	10 13 08
LOG	iP	10 12 42
	e	13 22
	e	15 53
	eS	19 57
OV	iP	10 12 51
	eS	20 17
PF	iP	10 12 48
	eS	20 09
RC	iP	10 12 05
	iS	18 48
	eL	27 46
SLC	eP	10 12 46
	eS	19 56
	eL	31 28
SJ	iP	10 05 12
	i	05 52
	iS	06 15
	iL	06 54
SH	iP	10 13 38
SIT	eL	10 43 23

Date and Station	Phase	Phase (GCT) h m s
Mar. 9		
TUC	iP	10 12 25
	i	13 14
	ePP	14 15
	i	14 49
	iPPP	15 10
	eS	19 20
	e	19 30
	eL	24 03
Mar. 9		
COL	e(P)	15 16 40
Mar. 9, H = 17 38 02* 61°N, 151°W. Southern Alaska. h = about 150 km.		
BC	iP	17 44 37
COL	iP	17 39 01.5
	e(L)	42 00
HH	iP	17 43 13
OV	iP	17 44 35
	e	50 52
PF	iP	17 44 39
	ipP	44 56
SH	iP	17 43 34
TUC	iP	17 45 19
	ipP	45 36
Mar. 9		
HH	e(P)	17 50 20
Mar. 9		
COL	iP	18 36 03
Mar. 9		
HH	e(P)	19 19 45
Mar. 9		
COL	e(P)	22 36 57
	i	38 52
HH	iP	22 41 43
Mar. 10		
TUC	e	02 36 25
Mar. 10		
COL	eP	03 05 49
Mar. 10		
TUC	e	03 47 17
Mar. 10		
HH	e(P)	04 05 45
Mar. 10		
TUC	i	06 58 18
Mar. 10, H = 13 38 20** Off coast of Chiapas, Mexico.		

Date and Station	Phase	Phase (GCT) h m s
Mar. 10		
BC	iP	13 44 09
COL	iP	13 48 36
	e	48 52
	i	49 19
HH	eP	13 45 31
OV	iP	13 44 12
PF	iP	13 44 05
TUC	iP	13 43 22
	e	43 37
	eL	49 29
Mar. 10		
HH	eP	17 04 16
	iL	05 08
Mar. 10, H = 20 15 59** Fiji Islands region. h = about 400 km.		
BC	iP	20 27 32
	e	28 12
COL	iP	20 27 59.5
	e(pP)	29 29
	e	30 37
HH	iP	20 28 05
	e(pP)	29 32
	e	31 37
	ePKKP	45 41
OV	iP	20 27 33
	ipP	29 07
	iPP	30 03
PF	iP	20 27 35
	epP	29 05
	e	30 02
SH	iP	20 27 20
TUC	e	20 28 08
	epP	29 05
Mar. 10		
PF	e	20 46 00
Mar. 10		
HH	iP	21 00 30
OV	iP	20 59 43
PF	iP	20 59 40
Mar. 11, H = 00 42 51* 20½°N, 99°W. Central Mexico. Felt in the Federal District.		
BC	iP	00 47 39
BUT	eL	00 55 31

Date and Station	Phase	Phase (GCT) h m s
Mar. 11		
CHI	eL	00 56 20
COL	eP	00 52 23
HH	eP	00 49 06
LOG	e	00 48 12
	eL	55 36
OV	iP	00 47 40
PHIL	eL	01 01 00
PF	eP	00 47 35
RC	eS	00 52 21
	eL	54 23
SLC	eL	00 55 02
SIT	eL	01 06 22
TUC	iP	00 46 39
	i	46 48
	iS	49 28
	iL	50 02
Mar. 11		
TUC	e	01 02 41
Mar. 11		
COL	e	06 12 15
HH	eP	06 13 06
TUC	eP	06 17 03
	e	17 07
	e	17 16
Mar. 11		
COL	eP	10 55 27
Mar. 11		
COL	iP	16 25 53
	ipP	27 24
Mar. 11		
COL	iP	20 08 10
	eS	08 37
	eL	09 00
Mar. 11		
HH	i	22 26 42
	i	26 48
Mar. 11		
BH	e	22 55 01
	e	55 27
Mar. 12		
COL	iP	02 13 21
Mar. 12, H = 02 38 54** Tonga Islands region.		
COL	iP	02 51 21
	e	51 42

Date and Station		Phase (GCT) h m s
Mar. 12		
HH	eP	02 51 22
LOG	eP	02 51 13
OV	iP	02 50 53
	i	51 19
SH	eP	02 50 32.5
TUC	eP	02 50 51
	i	50 54
Mar. 12		
COL	e	04 04 07
	i	04 17
SIT	eL	04 38 07
TUC	e	03 58 37
	eL	04 23 24
Mar. 12, H = 07 22 06* 31½°N, 41°W. North Atlantic Ocean.		
BER	e	07 28 00
	eL	31 47
BC	iP	07 32 20
COL	iP	07 33 14
HH	eP	07 31 50
LOG	eP	07 31 49
PHIL	eS	07 33 09
	eL	35 21
SJ	eS	07 32 18
OV	iP	07 32 15
SH	eP	07 32 44
Mar. 12		
COL	iP	17 58 46
HH	eP	18 01 52
SH	eP	18 01 56
Mar. 12, H = 18 54 23* 3°N, 79°W. Off coast of Colombia.		
COL	eP	19 06 32
HH	eP	19 03 53
OV	eP	19 02 55
SH	eP	19 04 01
TUC	iP	19 02 19

Date and Station		Phase (GCT) h m s
Mar. 12		
HH	eP	20 22 25
Mar. 13		
COL	iP	01 07 49
HH	iP	01 10 45
	i	10 48
	i	11 33
Mar. 13		
BH	e	09 44 42
	e	45 00
Mar. 13		
OV	e	18 24 39
	e	25 23
Mar. 13		
HH	eP	19 20 57
Mar. 13		
HH	eP	21 06 28
Mar. 14		
HH	eP	02 58 23
Mar. 14, H = 03 10 02* 8°S, 74°W. Central Peru. h = about 150 km. Mag. 6-3/4		
BH	iP	03 14 06
	iS	17 27
BER	eP	03 18 48
	iS	24 50
	eL	28 02
BC	iP	03 19 46
	ipP	20 05
	eP'P'	49 34
COL	iP	03 22 50
	i	23 03
	ipP	23 29
	e	24 57
	i	25 08
	ePP	26 16
	i	26 27
	iS	33 03
HH	iP	03 20 38
	epP	21 25
	ePP	22 53
	eS	28 57
	eP'P'	49 01
LOG	iP	03 19 57
	epP	20 29
	ePP	22 16
	eS	28 01
OV	iP	03 19 47
	ipP	20 11
	eS	27 39
	eP'P'	49 20

Date and Station		Phase (GCT) h m s
Mar. 14		
PHIL	iP	03 18 29
	ipP	19 19
	iPP	20 30
	iS	25 16
	esS	26 14
	isS	26 15
	i	28 04
	eL	28 44
PF	iP	03 19 42
	ipP	20 08
	iPP	22 12
	esS	28 20
RC	iP	03 19 47
	ePP	21 31
	esPP	22 56
	eS	27 37
	esS	28 30
	eL	34 28
SJ	iP	03 15 41
	ePP	16 38
	eS	20 09
	iS	20 10
	esS	21 22
SH	iP	03 20 33
	epP	21 11
	epPP	23 46
	eP'P'	49 12
SIT	esS	03 33 15
	eL	49 27
TUC	iP	03 19 10
	i	19 30
	i	19 41
	epP	20 01
	esP	20 15
	iPP	21 19
	eS	26 22
	esS	27 36
	eSS	31 18
	eL	31 44
WASH	iP	03 18 21
	i	20 20
Mar. 14		
BH	eP	03 25 36
Mar. 14		
COL	eP	06 39 42
OV	eP	06 38 21
	e	39 13
PF	e	06 39 12
Mar. 14		
HH	eP	07 24 42
Mar. 14		
COL	e	16 31 28

Date and Station		Phase (GCT) h m s
Mar. 14, H = 16 25 03* 1°S, 24°W. Mid-Atlantic Ocean.		
BER	e	16 42 40
	eL	47 40
HH	eP	16 38 08
OV	eP	16 38 21
PF	eP	16 38 11
SIT	eL	17 12 00
TUC	eP	16 37 56
Mar. 15, H = 00 37 40** Kermadec Islands region.		
BC	eP	00 50 42
COL	eP	00 51 20
HH	eP	00 51 16
OV	iP	00 50 45
PF	eP	00 50 44
SH	eP	00 50 31
TUC	eP	00 50 44
Mar. 15		
OV	e	03 40 00
Mar. 15		
HH	eP	06 46 27
	iP	46 31
Mar. 15		
BC	eP	07 47 00
COL	iP	07 43 11
PF	iP	07 47 03
SH	eP	07 46 13
Mar. 15		
HH	eP	14 52 25
SH	e	14 52 29
Mar. 15, H = 17 40 58* 33½°N, 135°E. Near south coast of Honshu, Japan.		
BC	eP	17 53 37
COL	eP	17 50 32
HH	iP	17 52 59

Date and Station		Phase (GCT)
		h m s
Mar. 15		
OV	iP	17 53 37
PF	eP	17 53 39
SH	eP	17 52 56
Mar. 15		
COL	eP	17 56 56
HH	iP	17 59 52
	i	18 02 02
Mar. 15		
COL	iP	21 04 13
HH	iP	21 05 19
Mar. 16		
BC	e	00 09 27
COL	iP	00 10 33
HH	iP	00 09 43
PF	eP	00 09 23
SH	e	00 09 32
TUC	e	00 09 11
Mar. 16		
COL	eP	00 21 15
Mar. 16		
BC	e	00 24 41
PF	eP	00 23 50
	e	24 43
TUC	e	00 22 20
	i	22 27
	i	22 56
	i	23 03
	i(S)	23 11
	iL	23 36
Mar. 16		
BC	e	01 12 55
HH	eP	01 11 37
Mar. 16		
COL	iP	03 07 52
HH	iP	03 05 40
PF	iP	03 04 44
TUC	eP	03 04 11
Mar. 16		
HH	eP	08 01 48
Mar. 16		
BH	iP	15 05 51
	eS	07 10

Date and Station		Phase (GCT)
		h m s
Mar. 16		
HH	eP	15 14 21
Mar. 16, H = 19 24 56* 17°S, 178½°W. Fiji Islands region. h = about 600 km. Mag. 6.2		
BER	e	19 50 00
BC	iP	19 36 11
	epP	38 11
	e	45 35
COL	iP	19 36 34
	i	36 53
	ipP	38 39
	eS	46 05
HH	iP	19 36 43
	ipP	38 46
	eS	46 18
LOG	eP	19 36 33
	epP	38 36
	ePP	40 02
	eS	46 01
OV	iP	19 36 14
	ipP	38 09
	eS	45 46
PF	iP	19 36 14
	ipP	38 00
	eS	45 41
SH	iP	19 35 57
	epP	37 59
	eS	45 07.5
TUC	ipP	19 38 19
	ePP	39 15
	eS	45 30
	iScS	45 48
	eSS	49 42
Mar. 16		
HH	iP	19 54 29
Mar. 17, H = 03 02 20** Gulf of California.		
BC	e	03 05 45
HH	eP	03 07 30
OV	iP	03 05 25
	e	09 57
PF	eP	03 05 15
	i	05 24
SH	eP	03 06 50
TUC	eP	03 04 08
	i	04 12
	eL	06 17

Date and Station		Phase (GCT)
		h m s
Mar. 17		
SJ	e	05 11 05
	e	14 04
	e	15 20
Mar. 17, H = 05 36 18* 14°S, 173°W. Samoa Islands.		
BC	eP	05 47 57
COL	eP	05 48 34
PF	eP	05 48 01
TUC	eP	05 48 03
Mar. 17		
BC	e	08 02 04
HH	eP	08 00 56
OV	eP	08 01 35
PF	eP	08 01 37
TUC	eP	08 02 00
Mar. 17		
HH	eP	13 49 43
Mar. 17		
HH	eP	17 31 39
PF	e	17 32 01
Mar. 18		
COL	eP	04 50 57
Mar. 18, H = 04 39 39* 56°S, 23°W. Sandwich Islands.		
BER	eL	05 30 20
BC	eP'	04 58 26
COL	eP	04 59 22
	i	59 31
	i	59 45
	i	05 00 04
	ePP	03 14
	e	08 49
HH	eP'	04 58 42
	ePP	05 01 46
	ePKS	02 03
LOG	eP'	04 58 31
	ePP	05 00 12
OV	iP'	04 58 30
	i	59 55
PHIL	eL	05 33 12
PF	iP'	04 58 27
	ePP	05 00 01

Date and Station		Phase (GCT)
		h m s
Mar. 18		
SJ	eP	04 52 04
	e	55 16
	e	05 02 20
	e	07 56
	eL	23 27
SH	iP'	04 58 41.5
	i	59 05
TUC	eP'	04 58 17
	iP	58 19
	eL	05 37 34
Mar. 18		
COL	eP	16 37 50
HH	iP	16 43 34
Mar. 18		
HH	e	16 56 52
Mar. 18, H = 18 19 12* 17½°S, 68½°W. Southwestern Bolivia. Felt in Chile. h = about 200 km.		
BC	iP	18 30 01
	ipP	30 47
HH	iP	18 30 48
	i	30 53
	epP	31 32
	e	34 38
OV	eP	18 30 03
	ipP	30 46
SJ	eP	18 25 52
	eS	31 12
	esS	32 24
SH	iP	18 30 44
	epP	31 29
TUC	eP	18 29 29
	epP	30 13
Mar. 19		
COL	iP	11 18 41
	e	19 16
HH	iP	11 19 55
SH	e	11 19 39
Mar. 19		
HH	iP	11 28 41
PF	eP	11 29 36
Mar. 19		
OV	iP	12 21 03
PF	eP	12 21 03

Date and Station		Phase (GCT)
		h m s
Mar. 19		
COL	eP	12 25 09
	eS	26 10
	eL	26 22
Mar. 19		
COL	eP	15 21 42
Mar. 19		
PF	iP	18 29 59
	e	30 45
Mar. 19		
COL	e	20 06 14
	e	06 29
HH	eP	20 07 58
PF	eP	20 09 31
	i	09 37
Mar. 20, H = 15 22 17 By BERK, 40°27'N, 121°28'W. Near Hat Creek, Calif. Felt in northern California and Nevada. Mag. 5.5		
BC	iP	15 23 29
	i	24 12
	i	24 29
	iS	25 31
CHI	eL	15 35 59
COL	iP	15 28 17
	e	31 25
HH	iP	15 24 37
	eL	27 15
LIN	eL	15 34 04
LOG	eP	15 24 08
	i	24 36
	iS	25 23
	iL	25 41
OV	iP	15 23 58
	i	24 26
	i	25 49
PHIL	eL	15 40 25
PF	iP	15 24 05
	i	25 52
RC	eP	15 25 47
	eS	28 08
	eL	31 01
SLC	e	15 24 36
	eL	26 10
SH	iP	15 22 30.5
	eL	24 00

Date and Station		Phase (GCT)
		h m s
Mar. 20		
TUC	iP	15 25 10
	e	25 13
	e	25 14
	i	25 28
	iS	27 13
	eL	27 54
Mar. 20		
COL	eP	19 53 34
	e	53 46
Mar. 20		
COL	e	21 07 20
Mar. 20		
BC	e	22 44 47
HH	eP	22 44 50
OV	i	22 44 47
SH	iP	22 42 44
	eS	42 53
	eL	43 00
Mar. 21		
COL	iP	01 39 49
Mar. 21		
LOG	i	02 22 50
	e	23 01
Mar. 21		
COL	eP	04 52 32
HH	eP	04 54 57
Mar. 21		
BC	e	06 15 47
HH	iP	06 15 30
PF	iP	06 15 49
SH	iP	06 15 11.5
Mar. 21		
COL	eP	09 41 16
	e	41 50
	e	42 43
HH	eP	09 43 05
SH	eP	09 42 54
TUC	e	09 48 15
	e	48 24
Mar. 21		
OV	eP	12 02 44
	i	03 22
	eS	04 28
Mar. 21		
COL	eP	13 37 07.5
HH	iP	13 39 39

Date and Station		Phase (GCT)
		h m s
Mar. 21		
OV	eP	13 40 19
PF	eP	13 40 24
SH	eP	13 39 35
	e	39 54
Mar. 21		
COL	e	17 01 17.5
HH	iP	17 03 28
	i	03 40
Mar. 21		
COL	e	17 13 55
Mar. 21		
HH	e	18 31 05
Mar. 21		
BC	iP	21 05 12
COL	iP	21 05 34
HH	iP	21 05 42
OV	iP	21 05 14
PF	iP	21 05 13
TUC	iP	21 05 17
Mar. 21		
HH	e	22 52 25
	e	53 01
PF	e	22 53 47
Mar. 21		
COL	eP	23 13 12
	e	13 49
HH	eP	23 13 47
	iP	13 51
OV	eP	23 12 43
PF	eP	23 12 42
TUC	e	23 12 43
	e	13 18
Mar. 21		
HH	eP	23 31 24
Mar. 21		
COL	eP	23 57 47
	e	58 03
HH	iP	00 00 35
Mar. 22, H = 01 31 57 By PAS, 35°58'N, 120°38'W. Southwest of Corcoran, Calif. Mag. 3.7		

Date and Station		Phase (GCT)
		h m s
Mar. 22		
BC	e	01 32 28
COL	e	01 34 17
	i	34 20
HH	i	01 37 40
OV	e	01 32 34
PF	e	01 31 52
	i	32 38
SH	e	01 38 11
Mar. 22		
BC	e	01 39 00
Mar. 22		
COL	e	02 02 22
Mar. 22		
HH	eP	04 42 04
OV	eP	04 41 13
	e	41 59
PF	eP	04 41 18
Mar. 22		
COL	eP	05 43 14
OV	eP	05 42 37
PF	eP	05 42 37
TUC	e	05 42 21
	i	42 38
Mar. 22, H = 11 00 54** Off north coast of Venezuela.		
COL	eP	11 12 27
HH	eP	11 09 58
	e	10 20
OV	eP	11 09 24
PF	eP	11 09 20
SJ	eP	11 02 37
TUC	eP	11 08 49
Mar. 22, H = 12 50 22* 48½°N, 28½°W. North Atlantic Ocean.		
BC	eP	13 01 05
COL	eP	13 00 32
	e	01 32
HH	iP	13 00 05
	i	00 11

Date and Station	Phase	Phase (GCT) h m s
Mar. 22		
OV	eP	13 01 02
PF	eP	13 01 01
	i	01 08
SH	eP	13 01 17
TUC	eP	13 01 06
Mar. 22		
OV	eP	15 11 18
PF	eP	15 11 19
TUC	iP	15 11 20
Mar. 22, H = 15 44 32* 23½°S, 69°W. Northern Chile. h = about 100 km.		
HH	iP	15 56 45
	ipP	57 14
OV	iP	15 55 59
	ipP	56 28
PF	iP	15 55 53
	ipP	56 25
SH	iP	15 56 41
	epP	57 10
TUC	iP	15 55 27
	ipP	55 56
Mar. 22		
COL	e	16 30 08
Mar. 22		
PF	e	17 19 06
Mar. 22		
PF	iP	18 33 26
Mar. 22		
COL	e	21 08 29
HH	iP	21 09 20
Mar. 22, H = 21 07 25** Near north coast of Formosa.		
COL	eP	21 18 28
	i	18 49
HH	iP	21 20 36
TUC	ePP	21 25 52
Mar. 22		
COL	e	22 12 05
Mar. 22		
COL	iP	23 43 31

Date and Station	Phase	Phase (GCT) h m s
Mar. 23		
COL	eP	00 36 55
Mar. 23, H = 04 16 50* 40½°N, 121½°W. Northern California aftershock. Mag. 4.6		
BC	eP	04 19 01
	e	20 23
HH	eP	04 19 11
LOG	e	04 19 09
	e	20 48
OV	iP	04 18 43
	i	19 03
	i	19 15
	iL	20 32
PF	eP	04 18 38
SH	iP	04 17 03
	eS	17 11
	eL	18 00
TUC	eL	04 23 11
Mar. 23		
PF	e	05 29 23
Mar. 23		
BC	e	05 39 16
	e	41 13
COL	e	05 33 54
	e	34 44
HH	iP	05 39 23
OV	i	05 41 20
PF	e	05 39 02
SH	iP	05 37 15
	eS	37 24
	eL	38 00
TUC	e	05 28 38
Mar. 23		
COL	eP	05 57 44
	e	58 07
Mar. 23		
BC	e	07 39 16
COL	eP	07 35 44.5
HH	eP	07 38 18
OV	iP	07 38 58
PF	eP	07 39 01
SH	eP	07 38 24

Date and Station	Phase	Phase (GCT) h m s
Mar. 23		
TUC	e	07 39 24
	e	39 36
Mar. 23, H = 08 01 05* 40½°N, 121½°W. Northern California aftershock.		
BC	e	08 03 23
HH	eP	08 03 26
OV	e	08 03 25
PF	eP	08 02 53
SH	iP	08 01 18
	eS	01 29
	eL	02 00
Mar. 23		
SH	iP	08 02 18
	eS	02 28
	eL	03 00
Mar. 23, H = 08 08 33** Fiji Islands region.		
BC	eP	08 20 43
COL	iP	08 21 21
	i	21 28
HH	eP	08 21 20
LOG	eP	08 21 09
OV	iP	08 20 46
PF	iP	08 20 46
SH	eP	08 20 31
TUC	eP	08 20 47
Mar. 23, H = 10 41 20** Ryukyu Islands region.		
BC	iP	10 53 48
COL	iP	10 51 34
HH	iP	10 53 52.5
OV	e	10 53 57
	i	54 27
PF	eP	10 53 46
SH	iP	10 53 50
TUC	eP	10 54 50
Mar. 23, H = 10 45 28** Alaska Peninsula.		
BC	eP	10 52 04

Date and Station	Phase	Phase (GCT) h m s
Mar. 23		
COL	eP	10 47 29
	eS	49 00
	eL	50 00
HH	eP	10 50 45
PF	eP	10 52 01
SH	iP	10 50 51
SIT	eL	10 53 28
TUC	eP	10 52 41
	e	53 31
Mar. 23		
BC	e	10 55 59
	i	56 27
Mar. 23		
COL	eP	11 57 06
HH	iP	11 59 27
SH	eP	11 59 23
TUC	iP	12 00 23
Mar. 23, H = 19 01 53** Queen Charlotte Islands region.		
COL	eP	19 04 54.5
	eL	08 54
HH	eP	19 05 07
	i	05 22
OV	eP	19 06 57
PF	eP	19 06 56
SIT	eP	19 02 41
	eS	03 10
	eL	03 33
Mar. 24		
HH	iP	01 02 00
OV	eP	01 02 55
PF	eP	01 02 55
Mar. 24		
COL	e	05 39 33
Mar. 24		
COL	e	05 45 29
TUC	eP	05 50 00
Mar. 24		
COL	e	07 06 56
Mar. 24, H = 09 17 27** Off south coast of Mindanao, P. I.		

Date and Station	Phase	(GCT) h m s
Mar. 24		
COL	iP	09 29 53
HH	eP	09 31 35
Mar. 24, H = 12 07 29* 8°N, 81°W. Near south coast of Panama. Felt.		
BH	iP	12 07 58
	iS	08 21
COL	eP	12 18 57
	e	19 13.5
HH	eP	12 16 16
PF	eP	12 15 27
TUC	eP	12 14 37
Mar. 24		
COL	e	13 57 14
Mar. 24		
COL	e	14 04 45
HH	eP	14 06 53
Mar. 24		
HH	eP	22 10 07
Mar. 25		
COL	eP	00 50 56
TUC	eP	00 50 18
Mar. 25		
COL	e	03 39 14
Mar. 25		
COL	eP	07 06 00
	e	06 30
Mar. 25		
PF	eP	07 31 31
Mar. 25		
COL	eP	08 55 15
HH	eP	09 02 31
	e	05 15
Mar. 25		
COL	eP	11 16 50
Mar. 25		
COL	eP	15 51 21
HH	eP	15 51 08
Mar. 25		
HH	eP	16 29 29
Mar. 25		
HH	e	20 15 04
	e	18 27

Date and Station	Phase	(GCT) h m s
Mar. 25		
HH	eP	21 07 44
Mar. 25		
COL	iP	22 33 03
	e	35 01
Mar. 25, H = 22 22 06* 21½°S, 69°W. Northern Chile.		
HH	iP	22 34 16
OV	iP	22 33 31
SH	eP	22 34 11
Mar. 25		
COL	e	22 45 28
	e	45 36
Mar. 25		
COL	eP	23 08 24
HH	eP	23 11 30
SIT	eL	23 20 20
Mar. 25		
HH	eP	23 37 11
Mar. 26, H = 04 25 34* 40½°N, 121½°W. Northern California aftershock.		
BC	e	04 27 44
	e	47 54
HH	eP	04 27 54
LOG	e	04 27 50
	eL	29 20
OV	eP	04 27 15
	iS	28 15
	iL	29 10
PF	i	04 27 54
SH	iP	04 25 47
	eS	25 53
	eL	26 06
TUC	eP	04 28 26
	eL	32 04
Mar. 26, H = 06 44 22* 45°N, 129½°W. Off coast of Oregon.		
BC	eP	06 47 55
COL	eP	06 49 21
HH	eP	06 47 05

Date and Station	Phase	(GCT) h m s
Mar. 26		
LOG	eP	06 47 36
OV	iP	06 47 49
PF	eP	06 47 53
SH	eP	06 46 05
TUC	eP	06 48 49
Mar. 26, H = 07 42 50* 7½°N, 72°W. Colombia-Venezuela border.		
COL	eP	07 54 48
HH	eP	07 52 19
TUC	iP	07 50 59
Mar. 26		
COL	e	08 52 26
	e	52 50
LOG	e	08 44 45
OV	i	08 44 26
PF	e	08 44 34
Mar. 26		
HH	eP	13 01 16
Mar. 26		
HH	e	14 40 39
Mar. 26		
COL	eP	16 41 38
	e	41 56
HH	eP	16 43 47
Mar. 26, H = 16 53 13** Southern Red Sea.		
COL	ePP	17 11 11
Mar. 26		
HH	eP	17 46 52
Mar. 26		
COL	eP	20 13 36
Mar. 27		
BC	e	02 40 22
COL	eP	02 41 11
	e	42 07
HH	iP	02 40 31
	i	40 37
PF	eP	02 40 20
Mar. 27		
HH	eP	02 48 50

Date and Station	Phase	(GCT) h m s
Mar. 27		
COL	e	03 15 32
Mar. 27		
BC	eP	04 19 32
OV	eP	04 19 33
PF	eP	04 19 30
TUC	eP	04 18 34
Mar. 27, H = 06 16 15* 28°S, 67°W. Western Argentina. Felt in Chile. h = about 60 km.		
BC	eP	06 28 15
COL	eP'	06 35 21
HH	eP	06 28 59
	iPP	29 09
LOG	eP	06 28 28
OV	iP	06 28 17
	i	28 26
PF	iP	06 28 13
	i	28 23
SH	eP	06 28 52
TUC	iP	06 27 47
	epP	28 04
Mar. 27		
BC	e	09 36 57
COL	eP	09 33 50
HH	eP	09 35 49
OV	iP	09 37 21
PF	eP	09 37 24
TUC	iP	09 37 50
Mar. 27		
COL	eP	11 26 46
	e	26 51
HH	eP	11 26 04
	e	26 16
Mar. 27, H = 13 04 10* 53½°N, 173°E. Aleutian Islands region. h = about 60 km. Mag. 6-¾		
BER	e	13 17 48
	ePPP	21 04
	ePPS	27 40
	eL	36 33

Date and Station	Phase	Phase (GCT) h m s
Mar. 27		
BC	iP	13 13 18
	ipP	13 31
	i	14 58
	eS	20 50
BOZ	eP	13 12 54
	ePP	14 34
	ePPP	15 38
	eS	19 38
	eL	23 17
BUT	eP	13 12 47
	eS	19 21
CHI	eP	13 14 47
	eS	23 00
	eSS	27 20
	eL	29 31
COL	iP	13 09 11
	i	10 54
	i	12 04
	eS	13 22
	eL	17 15
COLU	eS	13 24 50
	eL	33 14
HONO	eP	13 11 18
	e	11 47
	e	18 17
	eL	20 03
HH	iP	13 12 20
	ipP	12 35
	ePP	14 11
	eS	18 57
	eL	22 12
LIN	eP	13 13 50
	eS	22 04
	eL	28 22
LOG	iP	13 13 00
	ipP	13 16
	ePP	14 55
	eS	20 23
	eSS	23 49
	eL	26 19
NK	eP	13 15 09
	e	16 47
	iS	24 00
	eSS	29 00
	eL	31 36
OV	iP	13 13 17
	i	14 55
	iPPP	16 17
	eS	20 36
PHIL	eP	13 15 22
	e	20 39
	eS	24 11
	eSS	28 41
	eL	32 25
PF	iP	13 13 21
	i	14 51
RC	iP	13 13 24
	ePPP	16 44
	eSS	24 35
	eL	26 20

Date and Station	Phase	Phase (GCT) h m s
Mar. 27		
SLC	eP	13 13 06
	eSS	24 10
	eL	27 34
SJ	eSKS	13 27 47
	ePS	29 41
	eSS	34 40
	eL	41 28
SH	iP	13 12 19
	i	12 14
	i	12 26
	ePP	14 12
	eS	18 58
	eScS	22 13
SIT	iP	13 10 11
	ePP	11 11
	eS	15 06
	eL	16 16
TUC	iP	13 13 54
	ePP	15 53
	ePPP	17 09
	eS	21 55
	eSS	25 19
	eL	26 05
Mar. 27		
OV	e	17 45 52
PF	e	17 45 46
TUC	iP	17 44 49
	e	45 44
Mar. 27		
HH	eP	19 12 04
OV	eP	19 11 40
PF	eP	19 11 40
SH	iP	19 03 52
	eS	10 01
	eL	10 19
TUC	e	19 12 48
Mar. 27, H = 21 18 32* 5°S, 103°E. Near south coast of Sumatra. Mag. about 7.		
BER	eSKS	21 46 02
	eSS	22 02 40
	eL	35 28
BC	iP'	21 37 53
	ePP	41 20
	iPKS	42 06
COL	eP	21 32 33
	ePP	36 40
HH	eP'	21 37 35
	ePP	39 50

Date and Station	Phase	Phase (GCT) h m s
Mar. 27		
LOG	eP'	21 37 44
	iP'	37 46
	ePP	40 42
	iPKS	41 11
OV	eP'	21 37 46
	iP'	37 52
	iPP	40 21
	iPKS	41 20
PHIL	eP'	21 38 10
	eSKKS	48 04
	eSS	22 00 24
	eL	20 40
PF	eP'	21 37 51
	iP'	37 54
	ePP	40 24
RC	eP'	21 37 49
	ePP	41 30
	ePKS	42 09
	eL	22 37 40
SIC	ePKS	21 41 17
SJ	eL	22 42 10
SH	iP'	21 37 37
	e	38 26
	ePP	39 27
	e	39 49
SIT	eL	22 18 13
TUC	eP'	21 37 50
	ePP	40 32
	iPKS	41 36
	eSKS	45 07
	eSKKS	47 33
	eL	22 20 06
Mar. 27, H = 22 06 05** Sumatra aftershock.		
COL	eP'	22 24 29
	e	24 45
HH	eP'	22 25 14
LOG	ePP	22 28 47
OV	ePP	22 29 04
PF	eP'	22 25 32
	ePP	29 11
SH	eP'	22 25 15
TUC	ePP	22 29 31
Mar. 28		
BC	e	01 25 55
Mar. 28		
COL	e	04 04 47
	eP	04 50

Date and Station	Phase	Phase (GCT) h m s
Mar. 28		
COL	iP	04 34 53
OV	eP	04 35 36
PF	eP	04 35 36
Mar. 28		
OV	e	07 59 49
PF	e	07 59 35
TUC	e	07 59 19
Mar. 28, H = 12 32 51* 35½°N, 140½°E. Near east coast of Honshu, Japan. h = about 100 km.		
BC	iP	12 44 50
	epP	45 16
COL	iP	12 41 41
	ipP	42 02
HH	iP	12 44 15
LOG	eP	12 45 07
OV	iP	12 44 54
	ipP	45 15
PF	iP	12 44 56
SH	eP	12 44 20.5
TUC	iP	12 45 20
	e	45 38
	e	46 29
Mar. 28		
COL	iP	13 13 29
	eS	13 49
	iL	14 05
HH	eP	13 18 06
Mar. 28		
HH	eP	13 36 33
Mar. 28		
COL	eP	14 59 37
	e	59 52
	epP	15 00 15
SH	eP	15 04 03
Mar. 28		
HH	e	15 50 31
Mar. 28		
SH	e	18 31 20
Mar. 28, H = 20 05 16* 14°S, 166°E. New Hebrides Islands region. h = about 200 km.		

Date and Station	Phase	Phase (GCT) h m s
Mar. 28		
BC	eP	20 17 59
	ipP	18 48
COL	iP	20 17 40
	ipP	18 28
HH	eP	20 18 17
	ipP	19 06
OV	iP	20 18 01
	ipP	19 50
PF	eP	20 18 02
	ipP	18 51
SH	eP	20 17 38
	ipP	18 29
TUC	iP	20 18 09
	epP	18 57
Mar. 28		
COL	eP	23 19 56
SH	e	23 19 31
Mar. 29		
COL	iP	02 02 43
Mar. 29		
BC	eP	02 13 08
COL	e	02 09 41
HH	iP	02 12 24
PF	iP	02 13 10
SH	eP	02 12 22
Mar. 29, H = 12 52 55* 26½°S, 176½°W. Kermadec Islands region.		
BC	eP	13 05 33
COL	iP	13 06 11
HH	eP	13 06 09
LOG	eP	14 05 57
OV	iP	13 05 35
PHIL	eL	14 06 07
PF	iP	13 05 31
SH	eP	13 05 24
TUC	iP	13 05 34
	eS	16 13
	eL	29 13
Mar. 29		
COL	eP	14 56 02
	e	56 28
	e	56 50

Date and Station	Phase	Phase (GCT) h m s
Mar. 29		
SH	e	14 54 38
Mar. 29, H = 17 41 10* 3°S, 138½°E. Northern New Guinea.		
BER	eP'	18 02 22
	eSS	24 08
	eL	41 15
BC	eP	17 55 21
	ePP	59 46
COL	iP	17 53 49
	i	54 05
	i	54 17
	e	57 38
	eS	18 04 04
HH	eP	17 55 13
	ePKKP	18 11 07
	eP'P'	19 25
LOG	ePP	17 59 47
	ePS	18 09 07
	eL	30 30
OV	ePP	18 00 42
PHIL	iPP	18 03 53
	eSKSP	12 53
	eSS	20 17
	eSSS	25 21
	eL	35 03
PF	eP	17 55 23
	i	59 19
SLC	ePS	18 09 19
	eSS	15 14
	eL	30 51
SJ	eP'	18 01 05
	ePPP	07 31
	eSKKS	11 29
SH	iP	17 54 51.5
	ePP	58 40.5
	eSKS	18 05 21
SIT	eSKS	18 04 44
	eL	20 10
TUC	eP	17 55 37
	eP'	59 42
	ePPP	18 02 17
	ePS	09 25
	ePPS	10 18
	eL	29 53
Mar. 29		
COL	e	18 43 59
Mar. 29		
COL	iP	19 15 38
	eL	16 40

Date and Station	Phase	Phase (GCT) h m s
Mar. 29		
PF	e	22 32 37
TUC	e	22 32 38
Mar. 29		
COL	e	23 36 19
Mar. 30		
COL	e	01 16 28
OV	e	01 12 35
PF	e	01 12 25
TUC	e	01 12 22
Mar. 30, H = 01 50 06** Fiji Islands.		
OV	eP	02 02 23
PF	eP	02 02 22
SH	eP	02 02 14.5
TUC	eP	02 02 26
Mar. 30		
HH	eP	04 27 23
Mar. 30		
BC	eP	08 19 35
COL	eP	08 16 48
HH	eP	08 19 04
OV	eP	08 19 35
PF	eP	08 19 37
SH	eP	08 18 53
Mar. 30		
COL	e	12 16 43
HH	eP	12 19 16
SH	e	12 19 12
Mar. 30		
HH	eP	14 29 27
Mar. 30, H = 16 47 40* 40½°N, 30°W. Azores Islands region.		
BC	eP	16 58 18
COL	eP	16 58 18
HH	iP	16 57 31
LOG	eP	16 57 41
OV	iP	16 58 15

Date and Station	Phase	Phase (GCT) h m s
Mar. 30		
PF	iP	16 58 13
SH	eP	16 58 31
	e	58 40
TUC	eP	16 58 12
	i	58 13
Mar. 30		
BC	e	21 52 00
	i	52 10
	e	54 30
OV	iL	21 52 11
PF	eP	21 49 15
	eS	50 55
	eL	51 55
SH	e	21 55 36
TUC	iP	21 48 18
	i	48 23
	i	48 40
	eS	49 06
	iS	49 07
	i	49 29
	iL	49 36
Mar. 30, H = 21 53 56** Southeastern Nevada.		
OV	iP	21 54 14
	i	54 18
	iL	55 28
PF	iP	21 54 17
	iS	54 47
SH	eP	21 55 35.5
TUC	eP	21 55 24
	iP	55 25
	i	55 31
	eS	56 14
	iS	56 22
	eL	56 48
	iL	57 31
Mar. 30, H = 22 01 19* 22°S, 170°E. Loyalty Islands region.		
BC	eP	22 14 28
COL	eP	22 14 32
	i	14 34
PF	iP	22 14 31
SH	iP	22 14 14.5
TUC	iP	22 14 33
	i	14 42
Mar. 30		
COL	iP	22 48 48

Date and Station	Phase (GCT)	h m s
Mar. 30		
HH	eP	22 50 33
Mar. 31, H = 01 39 33** Andreanof Islands, Aleutian Islands.		
COL	eP	01 44 02
HH	eP	01 47 00
SH	eP	01 46 55
TUC	eP	01 48 31
Mar. 31, H = 12 47 45** Off central coast of Peru. h = about 60 km.		
COL	eP	13 00 51
	epP	01 04
HH	eP	12 58 39
OV	eP	12 57 44
PF	eP	12 57 38
SH	eP	12 58 29
TUC	eP	12 57 04
Mar. 31, H = 15 35 39* 34°N, 143°E. Off east coast of Honshu, Japan.		
BC	eP	15 47 48
COL	eP	15 44 46
HH	eP	15 47 13
PF	eP	15 47 50
TUC	iP	15 48 09
Mar. 31		
HH	iP	20 13 41
PF	eP	20 14 19
SH	eP	20 13 34
	e	14 11
TUC	eP	20 14 42
Mar. 31		
SH	eP	22 02 19
Mar. 31, H = 22 36 40** Kermadec Islands.		
BC	e	22 49 34
COL	eP	22 50 12
OV	i	22 49 39
Mar. 31		
PF	eP	22 49 17
SH	eP	22 49 26
TUC	eP	22 49 36
	e	50 09
Mar. 31		
COL	e	23 31 18

Local and Minor Earthquakes

day	hour	day	hour	day	hour	day	hour	day	hour	day	hour	day	hour
BUT		12	21.3	22	05.1	31	07.7	10	22.3	25	12.5	10	12.2
Feb.			22.6		05.4		08.1		22.6	26	00.0		15.9
7	20.3	13	02.3		06.7		19.6		23.0		18.0	11	01.3
			04.2		07.2		20.5		23.7		23.0		04.3
Mar.			05.4		09.6	Feb.		11	02.0		23.7		05.3
19	19.4		23.4		10.1	1	01.0		05.8	27	07.0		07.9
			23.4		11.4		03.9		10.9		07.1		18.7
COL		14	00.6		12.0		11.1		21.3		08.9		20.1
Jan.			01.0		13.6		12.3		22.2		10.1		20.9
1	03.9		04.4		15.3		13.0	12	01.6		13.9	12	01.2
	18.4		05.5		16.0		13.8		05.9		16.5		05.3
	23.1		05.6		23.7		14.0		07.3	28	00.8		05.5
2	07.9		09.1	23	02.5		18.0	13	04.9		04.5		06.7
	08.5	15	02.6		05.1		21.1		12.1		08.3		06.8
	12.6		06.5		07.9		23.5		13.9		13.7		10.7
	20.9		06.7		09.5	2	06.0		17.7		23.2	13	00.6
	23.6		06.9		11.0		12.5	14	08.9		23.4		01.7
	23.9		09.2		12.0		12.8		22.5		23.7		02.7
3	02.4		11.5		12.4		14.8		23.1	Mar.			03.1
	07.5		14.5		15.6		15.0	15	02.9	1	00.0		05.8
	09.3		14.6		20.1		16.7		05.9		02.7		06.1
	12.4		19.7	24	03.8		18.1		06.8		03.0		07.8
	15.0		21.8		04.7	3	01.6		10.9		04.2		11.5
	15.4	16	00.5		05.2		04.7		23.7		06.0		12.7
	15.9		01.3		07.8		11.9	16	01.5		07.1		20.6
	17.2		04.8		07.9		12.0		15.7		11.3		21.0
	17.3		11.7		09.4		13.5		17.5		16.3	14	00.2
	20.4		13.3	25	02.2		17.2	17	01.1		23.4		03.7
4	05.9		13.4		04.7		23.0		15.7	2	10.9		06.3
	06.8		16.1		05.7	4	00.2		17.8		14.1		13.3
	08.9		17.4		09.9		02.9	18	05.0		14.2		16.4
	11.2	17	03.2		23.9		06.1		07.9		14.4		17.7
	11.6		05.5	26	05.1		14.3		08.3		18.7	15	08.3
	12.3		05.8		06.4		14.5		16.0	3	03.6		09.7
	21.8		09.6		10.7		20.1		22.6		15.7		19.8
5	04.5		12.8		11.0		22.2	19	00.5		16.4	16	04.7
	08.9	18	00.1		17.4	5	10.0		02.1		18.8		09.5
	14.3		03.0		20.0		12.4		06.7		23.9		12.1
6	10.6		03.6		21.1		17.3		10.1	4	04.0		14.8
	14.0		06.9	27	00.6	6	04.4		13.2		08.5		20.5
7	14.5		07.2		03.1		09.0		13.9		12.8		22.3
8	06.1		17.1		06.1		09.7		14.9		17.3		22.8
	07.5		18.4		07.0		14.5	20	00.7	5	04.1	17	01.0
	08.3		21.2		07.3		16.4		13.9		08.2		06.6
	11.0		21.5		07.5		21.9	21	00.0		09.8		08.5
	14.9		23.3		07.5		23.2		03.9		11.2		15.4
	20.3	19	01.3		09.0	7	05.4		07.1		14.4		22.4
	22.4		06.6		12.2		10.0		12.2		21.6	18	03.4
9	02.0		10.9		12.6		10.0		13.2	6	00.6		04.1
	04.7		11.2	28	01.2		10.6		14.1		07.8		04.8
	07.7		15.6		02.6		14.2	22	02.2		08.4		05.5
	11.4		20.0		03.6		17.2		08.4	7	01.4		06.6
	14.1		22.1		04.6		23.7		10.3		02.7		08.3
	23.2	20	00.6		05.1		23.7		11.1		08.4		08.8
10	00.5		01.4		05.5	8	02.8		11.6		08.7		09.3
	01.7		03.0		11.5		09.4		13.2		08.8		13.1
	03.4		07.9		14.9		16.4		13.5		13.4		13.6
	05.9		08.1		21.9	9	02.3	23	00.2		15.2		14.2
	06.7		10.2		23.5		03.0		03.8		15.2		15.6
	07.5		12.9	29	07.1		04.4		10.1	8	02.3	19	01.5
	07.9		18.6		07.7		05.0		12.1		06.4		04.0
11	05.1		19.2		09.5		08.2		16.9		15.2		05.1
	05.3		19.5		11.5		12.3		17.4		19.6		06.1
	07.9		19.6	30	04.1	10	03.9	24	15.8		21.7		09.2
	09.1	21	04.0		05.1		04.8		23.9		23.1		11.0
	16.5		06.1		10.1		13.5	25	02.8	9	00.5		12.4
12	08.5		10.4		12.8		14.4		07.4		04.3		12.6
	08.6		11.9		15.5		15.4		11.5		12.9		15.2
	17.5	22	04.4	31	03.4		16.7		11.9	10	06.6		20.1

day	hour	day	hour	day	hour	day	hour	day	hour	day	hour
COL		31	10.9	10	04.8	21	15.6	3	17.1	12	22.6
20	00.8				06.6		15.8		21.7		22.9
	04.4	HONO			07.9		15.9		22.2	13	06.5
	10.7	Jan.			08.1		16.0	4	00.8		09.5
	11.7	3	22.7		09.7		16.9		03.8	15	05.0
	13.2	4	11.2		17.9		18.1		23.1	16	20.6
	13.7	26	02.2		18.4		18.9	5	07.1	17	05.2
	17.3	Feb.			18.7		19.4		10.0		06.7
	21.5	1	01.7		23.0		22.5		10.1		12.5
	21.8		19.8		23.1	22	02.9		10.4	18	05.1
21	02.3	2	23.5		23.2		03.4	6	11.4		07.3
	06.4	12	16.2	11	03.9		03.9		11.8	19	01.1
	12.3	15	05.4		08.5		07.3		13.4		06.0
	13.1		05.9		08.5		08.1	7	04.4		20.1
	13.4		06.4		22.9		08.6		08.4		20.4
	13.4		06.9		23.0		09.7		10.0	20	12.3
	14.9		08.3	12	01.0		12.0	8	07.4		18.7
	15.0	16	02.9		01.2	23	01.1	9	01.2		19.9
	20.5	20	21.4		02.0		07.7		13.6		22.6
	22.7	21	06.9		02.1		07.8	10	00.8	21	23.2
22	02.4		22.3		02.2		08.2	11	02.2	22	05.1
	11.4	24	19.4		02.3		08.9		02.5	23	07.8
	14.2				02.7		11.0		08.0		16.6
	15.1	SJ			02.9	24	04.4		11.0		22.2
23	06.1	Jan.			03.3		11.3		12.7		23.1
	09.3	2	04.7		03.9		12.5		13.3	24	15.6
	12.1	14	05.9	13	03.3		12.9	12	02.2		18.2
	12.5		22.0		08.4	25	08.0		05.9	25	07.7
24	06.2	15	17.1	14	12.9	27	02.6		08.8	26	02.2
	06.3		17.5	15	02.6		03.3		12.0		02.7
	08.9	Feb.			04.4		18.7	13	12.1	27	07.1
	11.1	6	12.7	16	07.1		22.8	15	06.0		09.8
	13.5	Mar.		17	02.6		23.0		06.7		10.9
	15.3	27	05.5		04.9	28	18.3	17	01.0		22.4
	22.3				08.2		21.2		16.3	28	10.9
25	00.7	SIT			09.4	29	00.9	21	09.3		15.2
	02.3	Jan.			09.9		01.2	23	00.5		17.1
	09.1	30	15.6		11.7		01.4		04.9		22.7
	11.2				12.5		01.7		12.5		23.0
	13.3	TUC			12.5		04.1	24	11.2	29	12.5
	14.6	Jan.			12.6		05.7		13.1	30	11.4
	18.4	1	03.8		12.6		08.9	26	06.6		18.6
26	00.1		10.5		12.8		19.5		06.7		21.9
	01.3		12.8		12.9		21.0		09.8		22.0
	02.1		13.7		13.0		22.0		11.9		
	08.9		16.2		13.3	30	02.3	28	10.4		
	14.6		18.9		13.7		08.6	Mar.			
	16.5	2	07.6		13.8		09.8	1	08.4		
	22.2		11.0		15.3		17.4		09.0		
27	05.7		11.1		15.9		22.9	2	07.2		
	08.2		14.9		16.1		23.9		14.5		
	17.5		15.1		16.2	31	07.2	3	01.4		
	22.2	3	02.7	18	03.5		21.6		13.1		
28	04.6		10.0		15.9	Feb.		4	10.1		
	13.2		10.7	19	04.2	1	00.3		12.9		
	20.2		11.5		09.9		01.5		13.6		
29	06.8	4	04.6		12.1		04.2	5	08.4		
	08.2	5	02.6	20	01.4		06.8		14.9		
	08.4		02.9		14.1		08.0		19.1		
	11.6		07.4		16.3		12.6	6	10.4		
	13.1	6	18.5		16.4	2	07.2	7	11.1		
	15.9	7	00.7		16.5		10.5		12.3		
	17.6		13.4		16.9		10.8	9	08.0		
30	02.3	8	08.4		23.4		11.3	11	00.1		
	05.7		15.8		23.5		12.8		01.2		
	09.3		16.0	21	10.9		16.0		01.8		
	09.3		16.9		13.6		23.7		01.9		
	10.3	9	03.7		14.0	3	00.8	12	21.6		
	16.5		04.3		14.8		01.2		21.8		
31	02.8		07.8		15.0		01.5		22.3		
	04.2		21.9		15.1		03.2		22.4		