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R. F. A. Studds, Director

SEISMOLOGICAL BULLETIN

January, February, March, 1949

MSI - 137

ISSUED BY THE U. S. COAST AND GEODETIC SURVEY

Washington 25, D. C.

National Oceanic and Atmospheric Administration

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DEPARTMENT OF COMMERCE

Charles Sawyer, Secretary

U. S. COAST AND GEODETIC SURVEY

E. F. A. Studds, Director

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

January, February, March, 1949

MSI-137

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Contents

List of stations 1
Provisional epicenters 8
Seismogram interpretations . 17
Local and minor quakes 84

Issued by the U. S. Coast and Geodetic Survey

Washington 25, D. C.

A-4198-4 (89)+

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

**Balboa Heights, C. Z. (BH)
The Panama Canal
*Bermuda (BER)
Meteorological Station and International Union Geodesy and Geophysics
*Boulder City, Nev. (BC)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
**Burlington, Vt. (BUR)
University of Vermont
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and U. S. Weather Bureau
College, Alaska (COL)
*Columbia, S. C. (COLU)
University of South Carolina
Honolulu, T. H. (HONO)
*Huancayo, Peru (HUAN)
Geophysical Institute of Huancayo
*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
*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)
**Seattle, Wash. (SEA)
University of Washington
*Shasta, Calif. (SH)
Bureau of Reclamation
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitude Observatory

*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.

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

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
Balboa Heights, C. Z. G. E. Matthew, In Chg.	Log cos 9.99467 Lat. 8°57'33"N. Long. 79°33'29"W.	W-A, NS & EW Mass 1.3g	Basalt. Elevation 36m.
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. Elevation 41m.
Boulder City, Nev. F. H. Werner, In Chg.	Log cos 9.90806 Lat. 35°58'51"N. Long. 114°50'02"W.	B, film, Z, N, & E Mass 100 lb.	Fractured monzonite. Elevation 776m.
Bozeman, Mont. A. J. M. Johnson, In Chg. R. L. Crecelius, Seis. Tender	Log cos 9.88437 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 shist. Elevation 1490m.
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. Elevation 100m.
Butte, Mont. Stephen W. Nile, In Chg.	Log cos 9.84167 Lat. 46°00.8' N. Long. 112°33.8' W.	W-A, NS Mass 2g.	Rhyolite 30m. thick, resting on granite. Elevation 1758m.
Chicago, Ill. Wm. 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. Elevation 180m.
[2]College, Alaska	Log cos 9.62825 Lat. 64°51.5' N. Long. 147°50.2' W.	B, film, Z, N, & E Mass 100 lb.	Granitic schist Elevation 159m.
Columbia, S. C. L. L. Smith, In Chg. C. F. Mercer, Seis. Tender	Log cos 9.91857 Lat. 34°00' N. Long. 81°02' W.	McC-R, NS & EW Mass 10kg.	Consolidated sand 150' thick over granite. Elevation 94m.
Honolulu, T. H. L. R. Burgess, 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	Coral. Elevation 3m.
Huancayo, Peru A. A. Giesecke, Jr., In Chg.	Log cos 9.99033 Lat. 12°02.8' S. Long. 75°20.4' W.	W, NS & EW. Mass 500g. B, Z. Mass 100kg.	Partially consolidated conglomerate. Elevation 3350m.
Hungry Horse, Mont. C. H. Spencer, Constr. Engr.	Log cos 9.82255 Lat. 48°20'58"N. Long. 114°01'39"W.	B, film, Z, N, & E Mass 100 lb.	Argillaceous limestone (Belt Series) Elevation 1100m.

	T_o	T_g	T_s					
NS	1.0			1370	14:1	60mm/min.		N
EW	1.0			1370	18:1			E
NE	11.9			250	15:1	8mm/min.	End of time break.	NE
NW	12.0			250	17:1			NW
Z	1.4	.45		5000	Near crit.	15mm/min.	Beginning of time break.	Up
N	1.4	.45		5000	crit.			N
E	1.4	.45		5000	crit.			E
NS	10.9			270	6:1	15mm/min.	Beginning of time break.	N
EW	11.1			270	6:1			E
NE	12			250	20:1	8mm/min.	End of time break.	SW
NW	12			250	20:1			NW
NW	6.2			570	10:1	15mm/min.	Beginning of time break.	S
NS	10			335	15:1	15mm/min.	End of time break.	N
EW	10			335	15:1			W
Z	1.5	.45		8000	Near crit.	15mm/min.	Beginning of time break.	Up
N	1.5	.45						N
E	1.5	.45						E
NS	12			75	10:1	15mm/min.	Beginning of time break.	S
EW	12			75	10:1			E
NS	12			124	20:1	30mm/min.	Beginning of time break.	N
EW	12			142	20:1			E
EW	1.2			4800	8:1			E
NS	9.8	11.4	8.3	1550	15:1	16mm/min.	End of time break.	N
EW	10.0	12.5	9.5	1550	48:1			W
Z	.44	5.6			4:1	60mm/min.	End of time break.	Up
N	1.4	.45		13000	Near crit.	15mm/min.	Beginning of time break.	N
E	1.4	.45		13000				E
Z	1.4	.45		13000				Up

Station	Position	Instruments	Foundation and elevation
Lincoln, Nebr. J. C. Jensen, In Chg.	Log cos 9.87886 Lat. 40°50.3' N. Long. 96°39.2' W.	McC-R, EW Mass 2.5kg.	Dakota sandstone. Elevation 366m.
Logan, Utah J. Stewart Williams, In Chg., W. C. Hugie, Seis. Tender	Log cos 9.87283 Lat. 41°44.5' N. Long. 111°48.8' W.	W-A, NS & EW (dbl. refl.) Mass 2g. Spgr., Z	Bonneville lake beds. Elevation 1455m.
New Kensington, Pa. F. Keller, Sr., owner and operator	Log cos 9.88066 Lat. 40°33'35"N. Long. 79°45'15"W.	W, electronic recording, EW	Shale. Elevation 251m.
Overton, Nev. F. H. Werner, In Chg.	Log cos 9.90500 Lat. 36°31'52"N. Long. 114°26'33"W.	B, film, Z Mass 100 lb.	Terrace gravel overlying fine playa silt with gypsum cement. Elevation 395m.
Philadelphia, Pa. Roy K. Marshall, In Chg. I. M. Levitt, Seis. Tender	Log cos 9.83452 Lat. 39°57'32"N. Long. 75°10'30"W.	W, NS & EW Mass 500g	Cape May sand and gravel. Elevation 5m.
Pierce Ferry, Ariz. F. H. Werner, In Chg.	Log cos 9.90729 Lat. 36°07'15"N. Long. 114°00'17"W.	B, film, Z, N,& E Mass 100 lb.	Terrace gravel overlying fine playa silt with gypsum cement. Elevation 417m.
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. Elevation 1045m.
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. Elevation 1425m.
San Juan, Puerto Rico R. M. Wilson, In Chg.	Log cos 9.97726 Lat. 18°22.9' N. Long. 66°07.1' W.	W, NS & EW Mass 500g.	Limestone. Elevation 80m.
Seattle, Wash. Eijo Vesanen, In Chg.	Log cos 9.82844 Lat. 47°39' N. Long. 122°18.5' W.	B-O, NS & EW Mass 25kg. Spgr., Z, NS (2) EW (2)	Glacial till. Elevation 34m.
Shasta, Calif. G. D. Atkinson, In Chg.	Log cos 9.87978 Lat. 40°41'44"N. Long. 122°23'19"W.	B, film, Z, N,& E Mass 100 lb.	Meta-andesite. Elevation 312.4m.

	Period			V	(-	Time: Scales and reference points		Ground Motion trace "up"
EW	8			200	10:1	15mm/min.	Beginning of time break.	E
NS				700	10:1	15mm/min.	Beginning of time break.	S
EW				700	10:1			E
Z	2	2			Near crit.	60mm/min.		Up
EW	10	13		1000	6:1	1"/min.	Beginning of time break.	E
Z	1.5	.45		40000	Near crit.	60mm/min.	Beginning of time break.	Up
NS	9.0	9.4	7.9	1400	22:1	20mm/min.	End of time break.	S
EW	9.0	9.4	7.1	1400	34:1			E
Z	1.5	.45		10000	Near crit.	15mm/min.	Beginning of time break.	Up
N	1.5	.45		10000				N
E	1.5	.45		10000				E
EW	6			590	20:1	15mm/min.	End of time break.	E
EW	10.0			335	10:1	15mm/min.	Beginning of time break.	N
NS	9.7			335	10:1			W
NS	10.0	20.1	11.4	1280	20:1	16mm/min.	Beginning of time break.	E
EW	10.0	12.8	10.4	1280	20:1			
NS	12.2			10	11:1	15mm/min.	Middle of time break.	N
EW	13.3			10	11:1			W
Z	1.6	1.3			Near crit.	60mm/min.		Down
NS	8.5	8.6				30mm/min.	Beginning of time break.	S
EW	7.9	7.9				30mm/min.		E
NS	1.2	1.2				60mm/min.		S
EW	1.3	1.2				60mm/min.		E
Z	1.5	.45		5000	Near crit.	15mm/min.	Beginning of time break.	Up
N	1.5	.45		5000				N
E	1.5	.45		5000				E

Station	Position	Instruments	Foundation and elevation
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. Elevation 19m.
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. Mass	Caliche or gravels 100-300m. thick. Elevation 770m.
[3]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. Elevation 199m.

[1]estimated magnification

[2]Benioff installed January 1949; location of instruments after Oct. 14, 64°51.6'N, 147°50.4'W, log cos 9.62825; outpost Benioff short-period vertical located about 2.7m northeast of observatory, began operation in December. McC-R seismographs discontinued in March. A Wenner (N-S) was operated during the year for use in the seismic sea wave warning program.

[3]Orientation changed from NW and NE to NS and EW in February 1949.

	Period			V	ζ	Time: Scales and reference points		Ground Motion trace "up"
NS	7.2	15.3	8.5	1000	13:1	15mm/min.	Beginning of time break.	N
EW	7.0	10.4	7.5	1000	14:1			W
NS	8.0			466	crit.	30mm/min.	Beginning of time break.	S
EW	8.0			457	crit.			E
Z	1.0				Near crit.	60mm/min.		Up
		77.0						Up
		0.236						
NS	11.9			75	Near crit.	15mm/min.	Beginning of 3-sec. time break.	N
EW	11.6			75				E

PROVISIONAL EPICENTERS

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Jan.	h m s	° ′	° ′	
1	01 17 54	36 54 N	121 37 W	By Berkeley. Near Santa Cruz, Calif. Felt from San Francisco to King City. Mag. 4.5
1	09 05 32	33 58 N	116 20 W	By Pasadena. Near Desert Hot Springs, Calif. Mag. 3.3
1	13 30 42*	40½ N	121½ W	Northern California.
1	14 30 42	36 54 N	121 42 W	By Berkeley. Near Santa Cruz, Calif. Mag. 3.0
1	15 11 27	33 53 N	116 20 W	By Pasadena. Near Desert Hot Springs, Calif. Mag. 3.6
1	23 06 44*	12 S	73 W	Central Peru.
2	00 11 34*	14 S	173½ W	Samoa Islands region.
2	04 43 40*	4 N	94 E	Off west coast of Sumatra. Depth about 100 km.
2	08 49 38*	22 N	143½ E	North of Guam. Depth about 200 km.
2	12 50 22*	26 N	64½ E	Near coast of Baluchistan.
2	18 01 44*	36 N	27½ E	East of Crete.
2	22 03.9	38.7 N	119.0 W	By Pasadena. Western Nevada. Felt at Schurz. Mag. 4.5
3	13 43 39	34 57 N	116 30 W	By Pasadena. Region of Manix, Mojave Desert, Calif. Felt at Pisgah. Mag. 4.8
3	18 11 13**			Eastern Turkistan.
4	02 21 16*	26 N	125 E	East China Sea.
4	07 27 47**			New Hebrides Islands region.
4	19 46 55*	35 N	26 E	Off southeast coast of Crete.
5	08 56 26*	21 S	170 E	Loyalty Islands region.
6	11 42 17*	11 S	79 W	Off central coast of Peru.
7	09 47 33**			Tonga Islands region.
7	15 14 27**			Near coast of Ecuador. Depth about 100 km.
7	20 00 11**	40 N	145 E	Off northeast coast of Honshu, Japan.
8	03 39 21	39 33 N	120 05 W	By Berkeley. Northern California. Mag. 4.3

Date 1945	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
Jan.	h m s	° '		° '		
9	07 48 06*	5	N	83	W	Off coast of southern Panama.
9	10 37 35*	24½	S	67	W	Northern Argentina. Depth about 200 km.
9	16 35 30**					Ryukyu Islands region.
13	08 47 34*	25½	S	178	E	Fiji Islands region. Depth about 680 km.
13	09 00 21*	25½	S	178	E	Fiji Islands aftershock. Depth about 680 km.
14	01 03 28*	15½	S	155	E	Solomon Islands region.
14	02 17 45*	33	N	121	E	Yellow Sea. Felt at Nanking and in Lower Yantze Valley.
14	12 16 55*	52	N	179	W	Aleutian Islands region. Depth about 100 km.
14	15 53 50*	39	N	26	E	Aegean Sea region.
14	21 00 15*	51	N	179	W	Aleutian Islands region. Depth about 100 km.
15	01 50 40**					Fiji Islands region.
16	00 07 42**					Off east coast of Kamchatka.
18	04 43 18*	44½	S	90½	W	South Pacific Ocean.
19	14 59 59*	24	N	122½	E	Off east coast of Formosa.
20	07 59 23	39 33	N	120 05	W	By Berkeley. Northern California. Felt at Reno, Nev. Mag. 4.8
20	13 24 55*	35½	N	134½	E	Southern Honshu, Japan.
21	15 21 01**					Solomon Islands region.
21	17 43 22**					Samoa Islands region.
21	18 23 22**					Samoa Islands region.
22	01 48 23**					Fiji Islands region. Depth about 250 km.
22	03 49 43**					Afghanistan-Baluchistan border.
22	05 33 50**					New Hebrides Islands region.
22	09 38 03**					Off north coast of Panama.
22	11 49 33*	9	S	160	E	Solomon Islands.
23	01 08 31*	72	N	14	W	Off east coast of Greenland.

Date 1945	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
Jan.	h m s	° '		° '		
23	06 31 13*	9½	S	94½	E	Indian Ocean. Depth about 100 km. Mag. 7-7¼
23	16 43 00**					Off east coast of Kamchatka.
24	05 04 34*	19	S	73½	W	Off coast of southern Peru.
24	09 15 42*	23	S	176	W	Tonga Islands region. Felt at Nukualofa. Depth about 100 km. Mag. 7.1
25	04 11 10**					Tonga Islands region. Depth about 200 km.
25	07 53 02*	11	N	86	W	Near coast of Nicaragua.
26	23 38 58*	18½	S	73½	W	Off coast of southern Peru.
27	02 40 59**					New Britain foreshock.
27	03 31 01**					New Britain foreshock.
27	07 18 06*	4	S	151	E	New Britain Islands region. Mag. 6½
27	11 00 00*	55	N	163½	E	Off east coast of Kamchatka.
27	14 58 29*	4	S	151	E	New Britain Islands region.
28	07 40 01*	55	N	163½	E	Off east coast of Kamchatka.
28	08 18 03*	28½	N	43½	W	Mid-Atlantic Ocean. Mag. 6
28	23 26 54*	39	N	129	E	Off east coast of Korea.
29	05 31 32**					Sandwich Islands region.
30	01 50 58	38	N	27	W	Azores Islands region.
31	14 53 16**	21	S	65	W	Southern Bolivia. Depth about 250 km.
31	23 31 10*	15	S	174	W	Samoa Islands region. Felt at Apia.
Feb.						
1	09 49 25	33 25	N	116 25	W	By Pasadena. Near Desert Hot Springs, Calif. Mag. 2.9
1	11 59 19	33 51	N	117 45	W	By Berkeley. Near Peralta, Calif. Mag. 2.8
1	13 30 42*	40½	N	121½	W	Northern California.
1	14 15 56**					Atlantic Ocean, 600 miles southwest of Azores.
1	18 15 53*	4	S	135½	E	Northern New Guinea.
2	17 41 31*	53½	N	172½	W	Aleutian Islands region. Depth about 200 km. Mag. about 7

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	° '	° '	
3	16 29 21*	19 S	173 W	Tonga Islands region. Depth about 100 km.
5	00 28 16*	39 N	29 E	Western Turkey.
5	00 46 30*	16½ S	180	Fiji Islands region. Depth about 500 km.
5	15 24 13*	38 N	22 E	Greece.
5	20 18 22*	19 N	70½ W	Dominican Republic. Felt.
6	09 16 22*	18 N	145 E	Mariana Islands region. Depth about 170 km.
6	16 33 34**			Tonga Islands region.
7	10 53 16**			Off southern coast of Mexico. Depth about 100 km.
8	04 31 34*	18 N	68½ W	Off southeastern coast of Dominican Republic. Depth about 100 km.
10	21 56 39*	16 S	173 W	Samoa Islands region. Mag. 6-3/4
11	03 51 29*	34 N	39 W	North Atlantic Ocean.
11	07 23 48*	35 S	108 W	Pacific Ocean, 500 miles south of Easter Island.
11	09 57 25	32 00 N	117 00 W	By Pasadena. Near Ensenada, Calif. Mag. 4.0
11	21 05 24	37 05 N	117 45 W	By Pasadena. East of Tinemaha, Calif. Felt in Nevada and central California. Mag. 5.6
12	05 25 56	37 05 N	117 45 W	By Pasadena. East of Tinemaha, Calif. Felt in Owens Valley and southern Joaquin Valley. Mag. 3.8
13	18 24 23*	33½ N	178 W	Kermadec Islands region. Depth about 60 km. Mag. 7.4
13	20 43 09*	21½ S	69 W	Northern Chile. Depth about 100 km. Felt.
14	16 24 19*	15 S	166½ E	New Hebrides Islands region.
14	18 07 31*	18 N	106 W	Off coast of Colima, Mexico. Mag. 6½
14	18 42 04*	14 N	121 E	Near southern coast of Luzon, Philippine Islands.
14	19 24 49*	18 N	106 W	Colima, Mexico, aftershock.
14	20 41 48**			Colima, Mexico, aftershock.
14	22 29 17*	50½ N	29 W	North Atlantic Ocean.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	° '	° '	
15	03 52 12	18 N	106 W	Colima, Mexico, aftershock.
15	06 42 55*	16 N	96 W	Near coast of southern Mexico.
15	07 38 00*	16 N	96 W	Near coast of southern Mexico.
15	14 09 00**	19 N	70 W	Near northern coast of Dominican Republic.
16	10 39 16*	72 N	1 E	Jan Mayen Island region.
16	11 02 47	34 00 N	116 56 W	By Pasadena. East of Riverside, Calif. Mag. 2.7
16	11 37 13*	14½ S	167 E	New Hebrides Islands region.
16	17 36 07**			Northwestern Argentina.
17	03 36 38*	13 S	173 E	Samoa Islands region.
17	08 43 07**			New Hebrides Islands region.
17	20 24 33*	20½ S	175 W	Tonga Islands region.
17	21 00 46*	36 N	5½ E	Northern Algeria. Destructive in Constantine.
18	03 34 05	33 13 N	116 09 W	By Pasadena. Near Borego Valley, Calif. Mag. 3.0
18	05 11 38**			Off coast of Colima, Mexico.
18	09 01 35*	19½ N	70 W	Near northern coast of Dominican Republic.
18	12 56 40**			Off northern coast of Puerto Rico.
18	21 59 52	34 03 N	116 45 W	By Pasadena. North of Cabazon, Calif. Mag. 3.1
19	00 55 39*	11 S	166 E	Santa Cruz Islands region.
19	02 26 25**			Samoan Islands region. Depth slightly greater than normal.
19	20 22 41*	12 N	74 W	Off coast of northern Colombia.
20	05 11 24	34 15 N	117 03 W	By Pasadena. Near Big Bear Lake, Calif. Mag. 2.6
20	10 11 47*	55 N	161 E	Near east coast of Kamchatka. Depth about 80 km.
21	11 39 35*	8½ N	40 W	Mid-Atlantic Ocean.
22	11 48 25	33 55 N	116 25 W	By Pasadena. Near Desert Hot Springs, Calif. Mag. 2.8
23	09 05 19*	66 N	155 W	Northwestern Alaska.
23	15 28 28*	34½ N	26½ E	Off southeastern coast of Crete.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	° '	° '	
23	16 08 07*	41 N	84 E	Sinkiang Province, China. Mag. 7.3
23	16 49 25**			Sinkiang Province, China, aftershock.
23	20 05 22*	62 N	154 W	Southern Alaska. Depth about 100 km. Felt at Anchorage.
23	21 40 48	33 53 N	116 20 W	By Pasadena. Near Desert Hot Springs, Calif. Mag. 2.8
24	02 50 30*	51 N	169 W	Aleutian Islands region.
24	04 03 16**			Sinkiang Province, China, aftershock.
24	05 27 59*	42 N	84 E	Sinkiang Province, China, aftershock.
24	10 26 20**			Near coast of northern Peru. Depth about 60 km.
24	11 35 01*	12½ S	75 W	Central Peru.
24	11 49 30*	41 N	126 W	Off Cape Mendocino, Calif.
24	23 02 18*	30 N	69 E	Northeastern Baluchistan.
25	02 28 05*	36½ N	120½ W	Central California. Mag. 4½
25	04 09 45**			Philippine Islands region.
25	06 25 45**			Aleutian Islands region.
26	04 01 40**	35 N	142½ E	Off east coast of Honshu, Japan.
26	08 30 06	37 20 N	118 35 W	By Pasadena. West of Bishop, Calif. Mag. 3.5
26	15 45 45**			Ryukyu Islands region.
26	18 06 02*	66 N	154 W	Central Alaska.
27	09 55 57*	20 N	44½ W	North Atlantic Ocean.
27	10 35 25*	20 N	44½ W	North Atlantic Ocean.
27	13 35 48*	41½ N	125 W	Off Cape Mendocino, Calif. Mag. 5.0
28	00 12 59*	57½ S	30 W	Sandwich Islands region. Mag. about 7
28	04 00 08*	15 S	175 W	Samoa Islands region. Depth about 250 km.
28	11 12 57**			Sandwich Islands aftershock.
Mar. 1	14 17 34**			Central Argentina.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Mar.	h m s	° '	° '	
2	06 54 31*	72½ N	2 W	Jan Mayen Island region.
2	19 08 47**			Off southern coast of Guatemala.
3	04 38 18**			Off coast of southern Korea.
3	05 59 34*	31 N	113 W	Gulf of California. Mag. 4.5
4	01 17 03*	3½ S	102½ E	Near coast of southern Sumatra. Depth about 100 km.
4	08 19 06**			New Hebrides Islands region.
4	10 19 25*	37 N	70 E	Hindu Kush Range, Afghanistan. Destructive in West Punjab. Depth about 230 km. Mag. 7.5
5	01 39 11*	30 N	140 E	Bonin Islands region.
6	11 27 55**			Western Sinkiang Province, China.
6	16 36 21*	30 N	54½ E	South-central Iran.
7	11 42 30**			About 125 miles east of Fairbanks, Alaska. Felt at Northway.
7	13 33 56**			Eastern Dominican Republic.
7	14 36 59**			Santa Cruz Islands region. Depth about 100 km.
9	04 21 01*	42 N	72 E	Eastern Turkistan.
9	12 28 39	37.1 N	121.3 W	By Pasadena. Central California. Felt. Mag. 5.3
9	14 55 29*	16 S	174 W	Samoa Islands region. Depth about 150 km. Felt at Apia.
12	19 27 57*	61 N	147 W	Southern Alaska. Felt at Anchorage.
13	04 41 10**			Western Peru.
13	12 21 50**			Bonin Islands region.
13	15 55 18	34 58 N	116 33 W	By Pasadena. Near Manix, Calif. Mag. 3.8
13	17 56 02	35 05 N	117 00 W	By Pasadena. North of Barstow, Calif. Mag. 2.9
13	18 43 00*	21½ S	68 W	Northwestern Argentina. Depth about 120 km.
14	00 39 20**			Off coast of western Alaska Peninsula.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Mar.	h m s	° '	° '	
14	03 06 36*	52½ N	167 W	Aleutian Islands region.
14	06 10 15	37 01 N	121 29 W	By Berkeley. San Benito County, Calif. Mag. 4.7
14	18 54 10**			Samoa Islands region.
15	20 53 11*	45½ N	117 W	Western Idaho. Felt in Council.
16	11 57 47	34 56 N	116 31 W	By Pasadena. Near Manix, Calif. Mag. 2.9
16	18 00 27	33 17 N	116 02 W	By Pasadena. West of Salton Sea, Calif. Mag. 4.0
16	22 15 08*	6 S	151½ E	New Britain region. Depth about 60 km. Mag. 7.1
17	05 49 06*	15½ S	69½ W	Bolivia-Peru border.
17	16 06 29	33 25 N	116 30 W	By Pasadena. Clark Lake, Calif. Felt in Borego Valley. Mag. 3.7
17	21 05 06*	6 S	151½ E	New Britain region. Depth about 60 km. Mag. 7.0
18	01 55 12	34 56 N	116 31 W	By Pasadena. Near Manix, Calif. Mag. 3.3
18	03 24 22*	43½ N	147 E	Kurile Islands region.
18	05 02 28	34 52 N	116 39 W	By Pasadena. Near Newberry, Calif. Mag. 3.0
18	08 37 45	33 38 N	116 02 W	By Pasadena. Near Thermal, Calif. Mag. 3.4
19	14 50 15*	18 S	173 W	Tonga Islands region.
19	18 19 22*	30½ N	130 E	Off southwestern coast of Kyushu, Japan. Depth about 150 km.
20	19 34 50	35 08 N	117 15 W	By Pasadena. Northwest of Barstow, Calif. Felt at Hinckley. Mag. 4.4
21	05 49 24	34 12 N	116 07 W	By Pasadena. Near Twentynine Palms, Calif. Mag. 2.9
21	11 20 59**			Off west coast of Vancouver Island, British Columbia.
21	15 17 29**			Off coast of northern Chile.
22	18 55 39*	24 S	113½ W	Easter Island region.
23	06 36 32*	3 S	143½ E	Off northern coast of New Guinea.
23	09 30 06*	19 N	68½ W	Near east coast of Dominican Republic. Felt at Caguas. Depth about 60 km.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Mar.	h m s	° '	° '	
24	17 09 55*	44½ N	111 W	Montana-Wyoming-Idaho border.
24	20 56 54*	41½ N	125½ W	Off Cape Mendocino, Calif. Felt. Mag. 6-6¼
25	00 35 18**			Cape Mendocino, Calif., aftershock.
25	02 06 42**			Do.
26	02 28 05*	25 N	109½ W	Gulf of California.
26	05 04 27**			Gulf of California aftershock.
26	16 24 31**			Pacific Ocean. Off southern coast of Mexico.
26	19 13 47	35 40 N	118 20 W	By Pasadena. Near Walker Pass, Calif. Mag. 3.1
27	06 33 55*	3 N	128½ E	Molucca Passage. Mag. 7.0
27	11 45 29**			New Britain region. Depth about 100 km.
28	12 50 31**			Near west coast of Mindoro Island, Philippine Islands.
28	16 20 53**			Cape Mendocino, Calif., foreshock.
28	16 26 05**			Do.
28	18 29 39**			Do.
28	19 05 08**			Do.
28	19 39 06**			Do.
28	19 43 16*	42 N	126 W	Off coast of Cape Mendocino, Calif.
28	19 54 23**			Cape Mendocino, Calif., aftershock.
30	05 30 28**			Off coast of southern Mexico.
30	09 00 04**			New Hebrides Islands region.
30	14 47 46*	16 S	178 W	Fiji Islands region. Mag 6¼
30	20 28 28*	49 N	127½ W	Off coast of Vancouver Island, British Columbia.
31	21 40 05**	5½ S	151 E	New Britain region. Depth about 60 km.

SEISMOGRAM INTERPRETATIONS

Date and Station		Phase (GCT) h m s
Jan. 1		
BC	eP	00 37 34
PF	eP	00 37 30
SH	e	00 37 35.5
Jan. 1, H = 01 17 54 By BERK, 36°54" N, 121°37' W. Near Santa Cruz, Calif. Felt.		
BC	iP	01 19 20
HH	iP	01 21 03
PF	eP	01 19 28
	iP	19 29
SH	eP	01 18 52.5
	i	20 00
	i	20 04.5
TUC	eP	01 20 26
	e	21 55
	e(S)	22 14
	eL	23 00
Jan. 1		
HH	iP	02 03 20
Jan. 1		
SH	eP	02 58 52.5
	eS	59 21
Jan. 1		
BC	eP	03 11 30
	i	11 41
	i	11 47
HH	iP	03 10 38
	i	12 08
PF	iP	03 11 43
SH	iP	03 10 45.5
	e	10 51.5
	e	11 51.5
TUC	eP	03 12 14
	iP	12 15

Date and Station		Phase (GCT) h m s
Jan. 1		
PF	iP	05 25 12
	i	25 27
Jan. 1		
SH	eP	05 59 28
	eS	59 56.5
Jan. 1		
SH	iP	07 52 29
	iS	52 57.5
Jan. 1		
SH	iP	07 52 29
	i(S)	53 58
Jan. 1		
SH	eP	08 44 49
	eS	45 15.5
Jan. 1, H = 09 05 32 By PAS, 33°58' N, 116°20' W. Near Desert Hot Springs, Calif.		
BC	iP	09 06 11
PF	iP	09 06 18
	i(S)	07 07
SLC	eL	09 12 07
TUC	e	09 07 13
	eL	10 10
Jan. 1		
PF	eP	10 05 19
SH	e	10 05 23
	i	06 32.5
Jan. 1		
SH	iP	10 59 56.5
	eS	11 00 24
Jan. 1		
SH	eP	11 05 04
	eS	05 31.5

Date and Station		Phase (GCT) h m s
Jan. 1		
SH	eP	11 59 10.5
	eS	59 38.5
	iS	59 40.5
Jan. 1		
SH	eP	12 02 01
	eS	02 29
Jan. 1		
SH	eP	12 36 54.5
	eS	37 23
Jan. 1		
SH	eP	13 06 30.5
	eS	06 58.5
Jan. 1		
HH	iP	13 55 01
PF	eP	13 53 56
	iP	53 57
Jan. 1		
HH	iP	13 56 18
	e	57 04
Jan. 1		
HH	iP	14 03 10
Jan. 1, H = 14 30 42 By BERK, 36°54' N, 121°42' W. Near Santa Cruz, Calif.		
PF	iP	14 32 25
SH	e	14 31 54.5
	e(L)	32 55.5
TUC	e	15 12 51
	i	13 08
	eL	14 05
Jan. 1, H = 15 11 27 By PAS, 33°53' N, 116°20' W. Near Desert Hot Springs, Calif.		

Date and Station		Phase (GCT) h m s
Jan. 1, cont.		
BC	iP	15 11 35
Jan. 1		
BC	iP	15 56 18
Jan. 1		
TUC	e	17 54 33
	i	54 58
	e	55 11
	eL	55 51
Jan. 1		
PF	iP	18 49 49
	iS	51 26
SH	iP	18 48 59
	iS	49 29
Jan. 1		
BC	eP	19 56 19
PF	iP	19 56 19
SLC	e	20 06 47
	eL	07 06
TUC	iP	19 56 29
Jan. 1, H = 23 06 44* 12°S, 73°W. Central Peru.		
BC	eP	23 17 05
HUAN	iP	23 07 20
	i	07 32
	i(S)	07 38
	iL	07 59
HH	eP	23 17 59
PF	iP	23 17 02
TUC	eP	23 16 31
Jan. 2, H = 00 11 34* 14°S, 173½°W. Samoa Islands region.		
BC	iP	00 23 16
Jan. 2, cont.		
HH	iP	00 23 53
LOG	eP	00 23 41
PF	iP	00 23 20
SH	eP	00 23 02
TUC	iP	00 23 22
Jan. 2, H = 04 43 40** 4°N, 94°E. Off west coast of Sumatra. h = about 100 km.		
BC	eP'	05 03 08
BOZ	eL	06 02 59
COL	eL	05 40 04
HH	iP'	05 02 49
	e	04 27
LOG	e	05 02 56
PF	e	05 03 08
	e	05 31
	i	05 33
SH	eP'	05 02 46
	i	04 35
	i	05 03
TUC	eP'	05 03 13
	e	03 34
	ePP	06 03
Jan. 2		
TUC	e(P)	05 18 33
	eL	06 09 51
Jan. 2		
BH	eP	04 59 21
	e	05 00 06
Jan. 2		
HH	eP	08 37 00
	iS	37 47
Jan. 2, H = 08 49 38* 22°N, 143½°E. North of Guam. h = about 200 km.		
BC	eP	09 02 03
	i	02 04
	eS	12 17
COL	eS	09 07 40
	esS	09 00
	eSS	12 00
	eL	19 55
HUAN	eP'	09 08 51
	ePP	12 09
HH	iP	09 01 41
	eS	11 34
LOG	iP	09 02 00
	epP	02 47
	eS	12 04
	i	12 24
PF	iP	09 02 06
	eS	12 16
	iS	12 30
SIT	e	09 08 55
	eL	17 06
SH	iP	09 01 26
	ipP	02 13
	eS	11 05
TUC	iP	09 02 26
	e	03 46
	e	05 17
	eSKS	12 40
	eS	13 06
	esS	13 47
	e	17 10
Jan. 2, H = 12 50 22* 26°N, 64½°E. Near coast of Baluchistan.		
BOZ	eL	13 56 16
CHI	eL	13 56 53

Date and Station		Phase (GCT)
		h m s
Jan. 2, cont.		
COL	eL	13 41 04
HUAN	e	13 27 35
	eSS	31 14
	e	41 03
	eL	14 00 35
HH	eP'	13 08 26
	e	09 41
PHIL	eL	13 55 22
PF	eP'	13 09 13
SLC	eL	13 47 05
SIT	eL	13 47 50
TUC	eP'	13 09 23
	e	10 53
	eL	14 03 32
Jan. 2		
HH	iP	14 27 51
PF	eP	14 25 13
Jan. 2		
BC	eP	14 31 51
HH	iP	14 31 12
PF	iP	14 31 56
SH	eP	14 31 05
Jan. 2		
SH	eP	14 56 53
Jan. 2		
TUC	iP	16 17 41
	i	17 41.5
	i	17 49
	iS	18 03
	i	18 12
Jan. 2, H = 18 01 44* 36°N, 27½°E. East of Crete.		

Date and Station		Phase (GCT)
		h m s
Jan. 2, cont.		
HH	iP	18 14 44
	i	14 50
Jan. 2, H = 22 03.9 By PAS, 38.7°N, 119.0°W. Western Nevada. Felt.		
BC	eP	22 05 00
	i	06 04
HH	iP	22 06 28
	iL	09 29
LOG	e	22 05 31
	e	05 49
	e	06 12
	e(S)	06 46
	eL	06 54
PF	eP	22 05 03
	i	05 19
SH	iP	22 04 52
	iS	05 01
	i	05 50
TUC	e	22 06 50
	e(S)	07 47
	eL	08 34
Jan. 2		
HH	eP	22 56 46
Jan. 3		
HH	iP	06 02 30
SH	iP	06 01 44
Jan. 3, H = 13 43 39 By PAS, 34°57' N, 116°30' W. Mojave Desert, Calif. Felt.		
BC	iP	13 44 06
HH	i	13 48 02
LOG	e	13 45 58
	eL	47 07
PF	iP	13 44 16

Date and Station		Phase (GCT)
		h m s
Jan. 3, cont.		
SH	e(P)	13 45 58
	iS	47 22
TUC	iP	13 44 59
	i	45 13
	i	45 20
	eS	45 56
	iS	46 00
	i	46 08
	i	46 16
	iL	46 30
Jan. 3, H = 18 11 13** Eastern Turkistan.		
HH	eP	18 24 09
SH	iP	18 24 35
Jan. 3		
HH	iP	22 29 41
	i	29 57
Jan. 4, H = 02 21 16* 26°N, 125°E. East China Sea.		
HH	iP	02 34 20
PF	iP	02 34 48
SH	eP	02 34 14
Jan. 4		
HH	iP	03 22 38
Jan. 4, H = 07 27 47** New Hebrides region.		
BC	iP	07 40 55
HH	eP	07 41 24
PF	iP	07 40 57
	i	41 16
SH	iP	07 40 39
	i	40 58
TUC	iP	07 41 04
	i	41 08
	e	45 02

Date and Station		Phase (GCT)
		h m s
Jan. 4, H = 19 46 55* 35°N, 26°E. Off southeast coast of Crete.		
BC	iP	20 00 50
COL	iP	19 59 09
HH	eP	19 59 56
Jan. 4		
BC	eP	21 09 39
HH	iP	21 12 01
	i	12 03
PF	iP	21 09 51
	i	10 26
SH	eP	21 09 34
	i	09 36
	i	10 12
	iS	10 33
Jan. 5		
SH	iP	03 09 16
Jan. 5		
COL	iP	03 24 39
HH	iP	03 27 03
SH	eP	03 27 05
Jan. 5		
HH	iP	06 29 09
	ipP	29 23
PF	iP	06 30 02
Jan. 5, H = 08 56 26* 21°S, 170°E. Loyalty Islands region.		
BC	iP	09 09 31
HH	iP	09 09 22
PF	iP	09 09 32

Date and Station		Phase (GCT)
		h m s
Jan. 5, cont.		
TUC	eP	09 09 38
	eS	20 03
	eL	37 07
Jan. 5		
HH	iP	22 28 57
SH	iP	22 29 46
Jan. 6		
BC	iP	00 39 41
HH	iP	00 40 12
PF	iP	00 39 44
SH	iP	00 39 27
Jan. 6		
BC	iP	03 22 18
HH	iP	03 21 59
PF	iP	03 22 20
Jan. 6		
SH	iP	03 31 41
Jan. 6		
HH	iP	07 19 51
Jan. 6, H = 11 42 17* 11°S, 79°W. Off central coast of Peru.		
COL	eP	11 55 22
HUAN	iP	11 43 17
	i	43 29
	iS	43 38
	i	43 47
	iL	43 59
HH	iP	11 53 41
PF	iP	11 52 06
TUC	eP	11 51 33

Date and Station		Phase (GCT)
		h m s
Jan. 6		
HH	iP	14 52 02
Jan. 6		
HH	iP	16 35 24
PF	iP	16 36 00
Jan. 6		
HH	iP	17 49 00
	ipP	49 07
Jan. 6		
HH	eP	23 37 06
Jan. 7		
BC	iP	07 20 27
HH	iP	07 20 04
	i	20 09
	eS	21 13
PF	iP	07 20 30
	i	20 33
SH	iP	07 19 50
Jan. 7		
HUAN	eL	09 21 00
PF	iP	09 09 47
Jan. 7, H = 09 47 33** Tonga Islands region.		
SH	iP	09 59 32
TUC	iP	09 59 49
	eL	10 32 20
Jan. 7		
HH	iP	10 07 32
	i	07 38
Jan. 7, H = 15 14 27** Near coast of Ecuador.		
HUAN	e	15 16 48
	e	17 19
	eL	19 32

Date and Station		Phase (GCT)
		h m s
Jan. 7, cont.		
HH	iP	15 24 30
PF	eP	15 23 19
Jan. 7		
BC	eP	17 34 15
HUAN	e	17 43 44
	eSSS	18 02 15
	eL	16 19
HH	eP	17 34 14
PHIL	eL	18 27 37
SH	iP	17 33 41
TUC	eL	18 05 18
Jan. 7		
TUC	iP	17 51 31
	i	51 32
	i	51 42
	i(S)	51 58
	eL	52 10
Jan. 7		
HH	eP	18 07 45
PF	eP	18 07 05
SH	eP	18 06 27
Jan. 7, H = 20 00 11* 40°N, 145°E. Off northeast coast of Honshu, Japan.		
BC	eP	20 11 56
COL	iP	20 08 33.5
HH	eP	20 11 15
PF	iP	20 11 58
	i	12 09
SH	eP	20 11 10

Date and Station		Phase (GCT)
		h m s
Jan. 8		
COL	eP	02 32 34
	i	32 42
	e	39 45
Jan. 8, H = 03 39 21 By RERK, 39°33' N, 120°05' W. Northern California.		
BC	eP	03 41 03
PF	iP	03 40 52
	iL	42 28
SH	iP	03 39 58
	iS	40 28
TUC	e	03 42 26
	eL	44 14
Jan. 8		
BC	eP	03 58 00
PF	iP	03 57 53
	i(S)	59 27
SH	eP	03 56 56
	i	56 59
	iS	57 27
Jan. 8		
BC	iP	08 37 55
COL	iP	08 34 00
PF	iP	08 37 57
	i	39 46
SH	eP	08 38 49
Jan. 8		
COL	iP	09 52 33.5
Jan. 9		
HH	iP	03 43 00
Jan. 9		
COL	iP	05 11 00
PF	iP	05 19 52

Date and Station		Phase (GCT)
		h m s
Jan. 9, H = 07 48 06* 5°N, 83°W. Off southern Panama.		
BH	iP	07 49 22
	iS	50 21
BC	eP	07 56 05
CHI	eL	08 04 03
COL	iP	07 59 49
HUAN	eP	07 52 25
	eS	56 15
	eL	57 16
HH	eP	07 57 06
LOG	eP	07 56 20
PHIL	eL	08 03 18
PF	eP	07 55 58
	e	56 00
SH	iP	07 54 53
TUC	eP	07 55 23
	iP	55 27
	ePP	56 48
	eL	08 09 07
Jan. 9		
BC	i(P)	09 00 10
COL	iP	08 55 50
PF	iP	09 00 12
SH	iP	09 01 03
Jan. 9, H = 10 34 35* 24½°S, 67°W. Northern Argentina. h = about 200 km.		
BER	eS	10 52 30
	e	54 20
COL	iP	10 48 38

Date and Station		Phase (GCT) h m s
Jan. 9, cont.		
HUAN	eP	10 37 56
	eS	40 27
	iL	40 56
HH	iP	10 46 47
LOG	eP	10 46 08
	iP	46 09
	i	46 41
	ePP	49 15
	eS	55 47
PHIL	eS	10 53 06
	esS	54 08
	e	55 27
	eSS	57 04
	eL	11 01 37
PF	iP	10 45 59
SJ	e	10 42 05
	e	51 10
	i	51 19
	eL	52 39
SH	iP	10 46 40
TUC	iP	10 45 32
	e	46 04
	e(S)	54 27
Jan. 9		
HH	iP	10 43 18
Jan. 9		
HH	iP	11 05 09
Jan. 9		
BC	eP	12 08 47
PF	iP	12 09 10
	i	09 17
SH	iP	12 06 42
	iS	07 12
Jan. 9		
HH	eP	12 30 35
PF	iP	12 29 21

Date and Station		Phase (GCT) h m s
Jan. 9		
LOG	e	12 46 38
	e	46 52
	eL	47 30
PF	eP	12 47 04
	iP	47 10
TUC	e	12 48 09
	i	48 13
	e	48 29
	e	49 12
	eL	49 39
Jan. 9, H = 16 35 30** Ryukyu Islands region.		
COL	eP	16 46 15
	i	46 55
HH	iP	16 48 24
	e	53 00
SH	eP	16 48 07
Jan. 9		
HH	iP	16 54 52
PF	eP	16 52 53
Jan. 9		
HH	iP	18 08 23
	i	12 05
Jan. 9		
HH	iP	22 07 57
Jan. 10		
HH	iP	04 36 10
Jan. 10		
BC	iP	05 19 50
HH	iP	05 19 03
SH	iP	05 19 03
Jan. 10		
HH	iP	06 47 08
Jan. 10		
BC	iP	08 59 29

Date and Station		Phase (GCT) h m s
Jan. 10, cont.		
HH	eP	08 59 12
PF	iP	08 59 31
SH	iP	08 59 53
Jan. 10		
HH	eP	09 04 52
Jan. 10		
BC	iP	10 45 34
Jan. 10		
HH	eP	18 15 32
Jan. 10		
PF	iP	20 32 45
Jan. 10		
BC	eP	22 46 22
PF	iP	22 46 25
Jan. 11		
BC	eP	01 49 08
PF	iP	01 49 10
SH	iP	01 48 57
Jan. 11		
HH	iP	11 47 20
PF	iP	11 48 53
Jan. 11		
PF	iP	12 59 55
Jan. 11		
HH	iP	13 56 34
PF	iP	13 56 59
SH	iP	13 56 19
Jan. 11		
HH	iP	17 21 04
Jan. 11		
COL	iP	20 18 54.5

Date and Station		Phase (GCT) h m s
Jan. 11, cont.		
HH	iP	20 20 08
Jan. 11		
TUC	iP	23 41 48
Jan. 12		
COL	iP	00 52 28
	i(S)	53 18
Jan. 12		
BER	e	01 31 36
	eL	36 12
Jan. 12		
COL	iP	01 38 39.5
	iS	39 36.5
Jan. 12		
HH	eP	01 59 54
	i	59 57
PF	eP	02 00 19
Jan. 12		
HH	iP	10 09 37
SH	iP	10 09 34
Jan. 12		
HH	iP	15 06 00
Jan. 12		
HH	eP	17 46 26
Jan. 12		
HH	iP	18 57 30
SH	iP	18 58 49
TUC	iP	18 57 41
	e	57 48
	i(S)	57 59
	i	58 03
	i	58 08
	eL	58 14
Jan. 12		
HH	eP	19 11 22

Date and Station		Phase (GCT) h m s
Jan. 13, H = 08 47 34* 25½°S, 178°E. Fiji Islands region. h = about 680 km.		
BER	eS	09 14 13
	e	20 42
	e	24 50
	eL	39 42
BCZ	eS	09 10 14
	esS	14 29
	eL	22 25
BUT	iS	09 10 16
	isS	14 27
BC	eP	08 59 19
	iP	59 20
	ipP	09 01 29
CHI	eS	09 12 14
	eSP	14 15
	esS	16 31
	eSS	20 12
COL	iP	08 59 43.5
	ipP	09 01 57
	e(S)	10 21
	iSS	26 55
HUAN	e	09 02 30
	e	04 23
	iSKS	09 44
	iS	10 21
	e	14 18
	i	15 43
	eSS	17 32
HH	iP	08 59 51
	ipP	09 02 13
	i	16 39
	i(S)	19 20
	ePKKP	26 58
LOG	eP	08 59 40
	epP	09 02 00
	eS	10 01
	e	12 17
PHIL	e(S)	09 12 23
	esS	16 32
	e	20 30
	e	29 50

Date and Station		Phase (GCT) h m s
Jan. 13, cont.		
PF	e	08 59 18
	i	59 21
SJ	eS	09 11 10
	e	13 55
	eSP	15 41
	e	18 14
	eL	25 34
SEA	eL	09 26 11
SJ	iP	08 59 08
	epP	09 01 25
	i	01 29
	isS	11 57
TUC	iP	08 59 23
	ipP	09 01 40
	iS	09 26
	e	09 45
	eSP	10 14
	esS	13 30
	eL	20 42
Jan. 13, H = 09 00 15* 25½°S, 178°E. Fiji Islands region aftershock. h = about 680 km.		
TUC	eP	09 12 10
	e	12 18
Jan. 13		
PF	iP	17 44 18
Jan. 13		
HH	eP	19 20 22
Jan. 13		
TUC	e	21 30 17
	iL	31 14
Jan. 13		
HH	eP	22 08 43
Jan. 14		
COL	iP	00 33 59.5
	i	34 04
	i	34 16
	iL	34 29

Date and Station		Phase (GCT) h m s
Jan. 14, cont.		
HH	iP	00 39 10
Jan. 14, H = 01 03 28* 15½°S, 155°E. Solomon Islands region.		
BC	iP	01 16 45
	i	20 34
COL	iP	01 15 47
	i	16 00
HH	iP	01 16 50
PF	iP	01 16 48
	i	18 18
	e	20 38
SH	iP	01 16 19
Jan. 14, H = 02 17 45** Yellow Sea. Felt in Nanking and Lower Yangtze Valley.		
BC	eP	02 31 04
	i	31 09
COL	iP	02 27 58.5
HH	iP	02 30 23
SH	eP	02 29 55
	i	30 27
Jan. 14		
HH	eP	03 54 47
Jan. 14		
COL	eP	06 19 55.5
	iP	19 58
HH	iP	06 22 21
PF	eP	06 22 56
Jan. 14, H = 12 16 55* 52°N, 179°W. Aleutian Islands. h = about 100 km.		
BC	eP	12 25 23

Date and Station		Phase (GCT) h m s
Jan. 14, cont.		
COL	eP	12 21 31.5
HH	iP	12 24 30
PF	iP	12 25 26
SH	eP	12 24 23
TUC	eP	12 26 02
	i	26 14
	eL	34 32
Jan. 14, H = 15 53 50* 39°N, 26°E. Aegean Sea.		
COL	iP	16 05 46
HH	iP	16 06 35
TUC	e	16 07 18
	eL	48 20
Jan. 14		
HH	eP	19 15 06
	i	15 10
Jan. 14		
HH	eP	19 45 17
Jan. 14		
HH	eP	20 21 56
Jan. 14, H = 21 00 15* 51°N, 179°W. Aleutian Islands. h = about 100 km.		
BC	iP	12 08 47
COL	iP	21 04 58
LOG	e	21 08 30
PF	iP	21 08 51
SH	eP	21 07 47
TUC	iP	21 09 25
	e	09 38
	eL	31 38

Date and Station		Phase (GCT) h m s
Jan. 14		
BC	eP	23 09 33
HUAN	e	23 05 42
	eL	12 55
HH	iP	23 10 48
PF	iP	23 09 38
SJ	e	23 08 07
	e	08 44
	e	11 59
	eL	18 04
TUC	e	23 08 59
	e(S)	20 23
	eL	59 08
Jan. 15, H = 01 50 40** Fiji Islands region.		
BC	iP	02 03 36
HH	iP	02 04 08
PF	iP	02 03 39
	e	05 37
SH	iP	02 03 24
TUC	iP	02 03 40
	e	05 40
Jan. 15		
HH	iP	07 32 30
Jan. 15		
HH	iP	09 44 38
PF	eP	09 45 11
SH	eP	09 44 13
Jan. 15		
BC	iP	12 06 17
HH	iP	12 06 01
PF	eP	12 06 18
	i	06 19

Date and Station		Phase (GCT) h m s
Jan. 15, cont.		
SH	eP	12 05 42
Jan. 15		
HH	iP	16 08 51
Jan. 15		
HH	iP	18 39 56
SH	iP	18 39 50
Jan. 15		
HONO	eP	21 14 22
	i	14 29
	iS	14 42
	i	14 53
	iL	15 00
PF	iP	21 21 33
	i	21 50
SH	i	21 21 27
Jan. 15		
TUC	iP	22 50 29
	i	50 30
	i	50 34
	i(S)	50 48
	i	50 52
	i(L)	51 02
Jan. 15		
COL	iP	23 44 56.5
Jan. 16, H = 00 07 42** Off east coast of Kamchatka.		
COL	iP	00 13 13
HH	iP	00 16 30
PF	iP	00 17 35
SH	iP	00 16 36
Jan. 16		
COL	iP	01 39 13.5
Jan. 16		
LOG	iP	03 55 47
	i	55 56
	e(L)	56 04

Date and Station		Phase (GCT) h m s
Jan. 16		
HH	iP	06 26 50
Jan. 16		
COL	i	12 06 52.5
Jan. 16		
HH	iP	12 52 54
PF	iP	12 53 46
Jan. 16		
HH	iP	13 44 02
Jan. 16		
COL	iP	21 37 28.5
Jan. 16		
HH	eP	23 08 41
Jan. 17		
COL	i	09 18 53
HH	iP	09 20 48
PF	iP	09 21 11
	i	21 18
SH	iP	09 21 31
Jan. 17		
COL	iP	16 17 51
Jan. 18		
COL	i	04 43 07.5
	i	43 17.5
Jan. 18, H = 04 43 18* 44½°S, 90½°W. South Pacific Ocean.		
BC	eP	04 55 41
	i	55 46
HUAN	eP	04 50 11
	e	55 35
	eL	58 09
HH	eP	04 56 42
PF	iP	04 55 51

Date and Station		Phase (GCT) h m s
Jan. 18, cont.		
SH	iP	04 56 18
TUC	iP	04 55 22
Jan. 18		
BC	eP	12 [illegible]3 07
PF	eP	1[illegible] 43 05
TUC	eP	12 43 17
Jan. 18		
PF	iP	14 19 56
Jan. 18		
COL	eP	18 35 51.5
PF	iP	18 39 52
Jan. 18		
HH	iP	19 32 16
Jan. 18		
BC	iP	20 28 50
PF	e	20 28 39
TUC	eP	20 28 16
	i	28 22
	i	28 32
	i(S)	28 45
	e	28 50
	i(L)	29 02
Jan. 18		
TUC	iP	23 01 37
	i	01 42
	e	01 48
	e(S)	02 03.5
	e	02 08
	eL	02 15
Jan. 18		
TUC	iP	23 12 43
	e	12 48
	i(S)	13 04
	i	13 15
	eL	13 23
Jan. 19		
COL	iP	04 13 45

Date and Station		Phase (GCT) h m s
Jan. 19		
COL	iP	05 19 04.5
	i	20 05.5
	i	20 35.5
Jan. 19		
COL	eP	13 49 22
HH	iP	13 51 32
SH	eP	13 51 31
Jan. 19		
HH	iP	13 57 47
PF	eP	13 56 27
Jan. 19, H = 14 59 59* 24°N, 122½°E. Off east coast of Formosa.		
BER	eL	15 54 35
BC	eP	15 13 48
BOZE	eS	15 24 04
	e	24 40
	eL	47 09
BUT	eS	15 24 34
	e	26 26
COL	eP	15 12 04
	eS	20 06
	e	20 43
	e	25 28
	eL	33 43
HUAN	e	15 36 08
	eSS	44 30
	eL	16 17 10
HH	iP	15 13 02
LOG	e	15 13 37
PHIL	eL	15 54 39
PF	eP	15 13 50

Date and Station		Phase (GCT) h m s
Jan. 19, cont.		
SIT	e(P)	15 11 50
	eS	21 35
	eSS	26 55
	eL	33 20
SH	iP	15 13 11
TUC	e	15 14 10
	e	17 54
	e	18 23
	eL	44 28
Jan. 19		
HH	iP	15 53 30
Jan. 19		
TUC	iP	21 54 04
	i	54 05
	i	54 11
	i(S)	54 25
	eL	54 41
Jan. 19		
TUC	iP	22 14 56
	i(S)	15 13
	i	15 15
	eL	15 26
Jan. 20		
BC	eP	02 39 06
	iP	39 08
COL	iP	02 36 15.5
HH	iP	02 38 32
PF	eP	02 39 03
	e	39 08
SH	eP	02 38 30
Jan. 20		
PF	iP	03 29 31
TUC	eP	03 29 32
Jan. 20		
BC	iP	04 13 35
PF	iP	04 13 38

Date and Station		Phase (GCT) h m s
Jan. 20		
COL	e	07 05 38
	i	05 51
	i	07 18
HH	iP	07 00 49
SH	iP	07 01 34
Jan. 20, H = 07 59 23 By BERK, 39°33' N, 120°05' W. Northern California. Felt.		
BOZ	eL	08 04 05
BUT	eL	08 03 52
HH	iP	08 01 52
	iL	04 38
PF	iP	08 00 56
	iL	02 32
SH	iP	08 00 04
	iS	00 34
TUC	e	08 02 13
	e	03 03
	eL	04 26
UK	e(S)	08 00 59
	e(L)	01 37
Jan. 20		
COL	iP	09 10 05.5
	i	11 25.5
	i	13 00.5
HH	iP	09 13 46
	i	14 20
PF	iP	09 15 02
	i	15 36
Jan. 20		
HH	iP	11 53 41
	i	53 43
Jan. 20		
BC	eP	13 37 27

Date and Station		Phase (GCT)
		h m s
Jan. 20, cont.		
COL	iP	13 34 16.5
HH	iP	13 37 49
PF	iP	13 37 31
SH	iP	13 36 47
TUC	eP	13 37 54
Jan. 20, H = 13 24 55* 35½°N, 134½°E. Southern Honshu, Japan.		
BC	eP	18 00 56
	iP	01 07
Jan. 20		
TUC	iP	18 27 36
	i	27 39
	iS	27 52
	i	27 54
	eL	28 03
Jan. 20		
HH	iP	23 25 08
Jan. 20		
TUC	iP	21 50 30
	i	50 32
	i	50 35
	iS	50 53
	i	51 02
	eL	51 20
Jan. 20		
HH	iP	23 35 47
PF	iP	23 32 51
Jan. 21		
BC	eP	12 23 46
HH	iP	12 22 10
PF	eP	12 23 47
	iS	24 33
Jan. 21, H = 15 21 01** Solomon Islands region.		

Date and Station		Phase (GCT)
		h m s
Jan. 21, cont.		
BC	eP	15 34 04
COL	eP	15 33 29.5
	i	33 36.5
HH	iP	15 34 21
PF	eP	15 34 03
	i	34 05
Jan. 21		
COL	i	16 12 40.5
Jan. 21, H = 17 43 22** Samoa Islands region.		
BC	e	17 55 19
COL	iP	17 55 42.5
HH	iP	17 55 58
PF	iP	17 55 08
	i	55 23
SH	iP	17 55 15
Jan. 21, H = 18 23 22** Samoa Islands region.		
COL	iP	18 35 43
HH	iP	18 35 43
PF	eP	18 35 08
		35 09
SH	eP	18 35 18
Jan. 22		
BC	eP	00 25 58
Jan. 22		
COL	eP	01 15 55
Jan. 22, H = 01 48 23** Fiji Islands region. h = about 250 km.		
BC	iP	02 00 05

Date and Station		Phase (GCT)
		h m s
Jan. 22, cont.		
HH	eP	02 00 42
PF	iP	02 00 09
SH	eP	01 59 53
TUC	iP	02 00 11
Jan. 22, H = 03 49 43** Afghanistan-Baluchistan border.		
COL	eP	04 01 47
Jan. 22		
COL	iP	05 26 35
	iS	27 09
Jan. 22, H = 05 33 50** Fiji Islands region.		
HH	eP	05 46 49
PF	eP	05 46 37
	i	46 43
SH	eP	05 47 01
	i	47 31
	i	47 55
TUC	e	05 47 54
Jan. 22		
BH	eP	09 38 55
	eS	39 36
HH	eP	09 46 26
	i	46 34
	i	46 55
PF	eP	09 45 28
	i	45 30
TUC	e	09 44 50
Jan. 22, H = 11 49 33* 9°S, 160°E. Solomon Islands region.		
BC	eP	12 02 36

Date and Station		Phase (GCT) h m s
Jan. 22, cont.		
COL	eP	12 01 59.5
	i	02 11.5
HH	eP	12 02 52
PF	eP	12 02 39
	i	02 40
SH	eP	12 02 14
	i	02 20
Jan. 22		
HH	iP	14 54 47
Jan. 22		
HH	iP	22 45 06
Jan. 22		
COL	iP	23 05 51
Jan. 23, H = 01 08 31* 72°N, 14°W. East coast of Greenland.		
CHI	eL	01 32 31
COL	e	01 16 15
	e	51 43
HH	eP	01 17 06
	i	17 13
	i	17 22
SIT	eL	01 33 05
TUC	eL	01 45 26
Jan. 23		
HH	eP	01 22 42
	i	22 43
Jan. 23		
HUAN	e	04 49 02
	eS	53 00
	eL	05 05 42
TUC	iP	04 51 20
	ipP	51 38
	eL	05 21 47

Date and Station		Phase (GCT) h m s
Jan. 23, H = 06 31 13* 9½°S, 94°E. Indian Ocean. h = about 100 km.		
BER	e	06 51 35
	e	56 53
	ePS	07 05 57
	e	14 28
	e	15 00
	e(L)	34 20
BC	iP'	06 50 42
BOZ	ePP	06 53 37
	e	55 41
	e	57 39
	eSKKS	59 14
	e	07 03 23
	ePS	04 45
	eSS	10 58
	eL	30 15
BUT	e(PP)	06 54 12
	e	07 05 26
	eSS	11 01
	eSSS	16 41
	eL	30 09
CHI	e	06 51 15
	e	54 11
	e	07 02 13
	e	14 35
	eL	31 30
COL	eP	06 45 36
	e	07 00 14
	e	06 28
	eL	25 19
COLU	ePP	06 55 14
	eSKKS	07 00 13
	e	07 50
	eSS	14 59
	eL	31 05
HONO	e	07 01 25
	eSS	05 18
	eL	19 00

T_{SS}=11 sec. A = 1.8 mm.
T_L= 15 sec. $A_{max.}$ = 0.7 mm.

Date and Station		Phase (GCT) h m s
Jan. 23, cont.		
HUAN	eP'	06 50 59
	e	52 28
	e	53 44
	e	07 02 37
	e	05 00
	eSS	14 48
	eSSS	20 04
	e(L)	33 55
HH	eP'	06 50 13
LIN	e	06 51 07
	e	55 15
	eSKSP	07 04 28
	eSS	13 38
	eL	33 15
LOG	eP'	06 50 31
	i	50 37
	ePP	53 34
	ePPP	57 04
	eSS	07 12 26
	eSSS	17 53
	eL	35 20
PHIL	e	06 51 57
	e	07 02 27
	eL	35 21
PF	iP'	06 50 42
RC	eP'	06 51 43
	i	52 03
	ePP	54 19
	e	09 57
	eL	32 45
SLC	eP'	06 50 32
	ePP	53 50
	ePPP	57 10
	ePS	07 04 10
	eSS	12 41
	eL	32 24
SJ	e	06 52 15
	ePP	55 23
	e	59 45
	e	07 06 28
	eSS	15 28
	e	29 35
	e	37 30
	eL	50 28

Date and Station		Phase (GCT) h m s
Jan. 23, cont.		
SH	iP'	06 50 11
SIT	e(PP)	06 51 40
	e(S)	59 20
	ePS	07 01 38
	e	01 42
	e	03 12
	eSS	08 22
	eL	22 30
TUC	eP'	06 50 52
	iP'	50 54
	ipP'	51 33
	ePP	54 28
	ipPP	55 15
	e	07 00 00
	e	03 54
	e	11 08
	e	19 13
	eL	32 37
Jan. 23		
COL	e	07 00 29.5
Jan. 23		
BC	eP	07 25 51
	i	25 54
HH	eP	07 26 25
Jan. 23		
COL	iP	10 41 23
Jan. 23		
COL	e	15 32 41
HH	eP	15 35 36
	i	36 03
PF	iP	15 34 56
	i	35 05
Jan. 23, H = 16 43 00** Off east coast of Kamchatka.		
BC	iP	16 52 57
COL	iP	16 48 46.5
HH	iP	16 51 58

Date and Station		Phase (GCT) h m s
Jan. 23, cont.		
PF	iP	16 52 59
SH	iP	16 51 58
TUC	iP	16 53 33
Jan. 23		
COL	iP	21 25 18.5
Jan. 24		
PF	eP	01 37 41
	i	37 45
	i	37 50
TUC	iP	01 37 55
Jan. 24		
COL	iP	02 48 56
	i	49 07
	i	49 16
	iS	50 16
HH	iP	02 52 15
Jan. 24		
COL	e	03 00 25
Jan. 24, H = 05 04 34* 19°S, 73½°W. Off coast of southern Peru.		
BC	iP	05 15 32
HUAN	eP	05 06 14
	i	06 46
	eS	07 10
	eL	07 28
HH	iP	05 16 24
	i	16 26
PF	iP	05 15 29
	i	15 37
SH	iP	05 16 27
TUC	eP	05 14 59
Jan. 24		
TUC	iP	07 59 26

Date and Station		Phase (GCT) h m s
Jan. 24		
COL	iP	08 29 19
	i	29 25
	e	29 39
	iS	30 21
	iL	30 44
HH	iP	08 35 57
Jan. 24, H = 09 15 42* 23°S, 176°W. Tonga Islands region. Felt. h = about 100 km.		
BER	e(PP)	09 36 50
	eSKS	42 10
	e	43 14
	ePS	46 38
	e	50 00
	eSS	52 50
	eL	10 05 13
T_{PP}= 4 sec. A = 0.3 mm. T_{SS}= 14 sec. A = 0.4 mm. T_L= 16 sec. $A_{max.}$= 0.3 mm.		
BC	iP	09 27 57
BOZ	eP	09 28 40
	e	31 48
	eSKS	39 03
	iS	39 19
	e	41 20
	eL	52 55
BUT	eP	09 28 30
	epP	29 07
	eS	39 14
	esS	40 05
	eSS	45 05
	eL	52 40
CHI	eSKS	09 40 05
	iSKS	40 15
	iS	41 04
	eSS	48 56
	eL	10 08 09

Date and Station		Phase (GCT) h m s
Jan. 24, cont.		
COL	iP	09 28 33
	eS	38 52
	iS	38 56
	isS	40 02
	eSS	45 06
	eL	52 10
COLU	eS	09 41 45
	eL	59 43
HONO	eL	09 33 50
HUAN	eP	09 29 01
	epP	29 34
	ePP	32 50
	e	39 33
	e	44 25
	e	46 47
	eL	53 47
HH	iP	09 28 33
LIN	eS	09 39 25
LOG	iP	09 28 20
	i	28 40
	iPP	31 38
	e	31 43
	ePPP	33 43
	eS	38 48
	isS	39 37
	e	44 37
	eL	52 00
PHIL	e(S)	09 43 09
	eSP	44 18
	eSS	50 39
	eL	10 02 16
PF	iP	09 28 01
RC	iP	09 28 58
	e(PP)	32 00
	ePPP	33 37
	eS	39 20
	e	39 58
	eL	10 00 18

Date and Station		Phase (GCT) h m s
Jan. 24, cont.		
SLC	eP	09 28 10
	epP	28 40
	ePP	31 42
	eS	38 33
	iS	38 42
	i	39 26
	eSS	44 20
	eL	53 16
SJ	eS	09 43 05
	i	43 47
	e	48 48
SIT	iP	09 28 19
	iS	30 40
	i(PS)	39 35
	eSS	44 32
	e	45 23
	eL	51 02
SH	iP	09 28 02
TUC	iP	09 28 02
	ipP	28 21
	iPP	31 10
	eS	38 08
	esS	38 56
	e	43 14
	eL	50 20
UK	e(P)	09 28 45
	eS	38 20
	eL	48 30
Jan. 24		
TUC	e	09 46 28
Jan. 24		
COL	i	13 22 16.5
Jan. 24		
BH	iP	21 53 28
	iS	54 16
BC	eP	21 59 57
	e	00 05
HH	iP	22 00 45

Date and Station		Phase (GCT) h m s
Jan. 24		
COL	i	23 58 42
HH	eP	23 59 00
LOG	e	23 58 52
PF	eP	23 58 31
SH	eP	23 58 12
Jan. 25		
COL	iP	03 18 09.5
HH	eP	03 21 07
PF	e	03 22 19
	i	22 42
SH	iP	03 20 58
Jan. 25, H = 04 11 10** Tonga Islands region. h = about 200 km.		
BC	eP	04 22 35
	iP	22 50
COL	eP	04 23 31
HH	eP	04 23 26
LOG	eP	04 23 16
PF	iP	04 22 55
SH	eP	04 22 39
	i	22 41
Jan. 25		
COL	i	04 55 48
HH	iP	04 55 49
Jan. 25		
PF	iP	06 07 58
SH	iP	06 07 34
Jan. 25, H = 07 53 02* 11°N, 86°W. Near coast of Nicaragua.		

Date and Station		Phase (GCT) h m s
Jan. 25, cont.		
BH	e	07 54 44
BER	eL	08 06 50
BC	eP	08 00 04
	iP	00 08
HUAN	e(P)	07 58 29
	eL	08 02 57
HH	iP	08 01 13
LOG	eP	08 00 23
	e	00 43
PHIL	eL	08 08 38
PF	iP	08 00 04
SJ	e	08 01 52
	e	01 56
	eL	06 28
TUC	iP	07 59 26
Jan. 25		
COL	eP	09 21 54.5
HH	eP	09 25 11
Jan. 25		
COL	iP	09 57 38.5
Jan. 25		
HUAN	eP	18 01 57
	i	02 06
	i(S)	02 43
	i	02 54
	iL	03 00
Jan. 25		
COL	iP	08 04 04.5
Jan. 25		
HH	iP	18 55 31
Jan. 25		
HH	iP	21 03 18
Jan. 25		
BC	eP	23 30 23

Date and Station		Phase (GCT) h m s
Jan. 25, cont.		
PF	iP	23 30 33
Jan. 26		
COL	iP	00 11 40.5
	i	11 47.5
HH	iP	00 13 32
Jan. 26		
COL	i	01 09 16
Jan. 26		
BC	iP	06 15 56
HH	iP	06 16 10
PF	eP	06 15 58
SH	iP	06 16 52
Jan. 26		
HH	eP	18 11 32
	i	11 39
Jan. 26		
HH	iP	18 27 32
Jan. 26		
HH	iP	18 52 25
Jan. 26		
TUC	iP	20 24 26
	i	24 28
	e(S)	24 43
	i	24 48
	iL	24 59
Jan. 26		
HH	iP	23 07 23
Jan. 26		
PF	eP	23 24 50
Jan. 26, H = 23 38 58* 18½°S, 73½°W. Off coast of southern Peru.		
BC	eP	23 50 11
HUAN	eP	23 40 37
	iS	41 40
	iL	41 55

Date and Station		Phase (GCT) h m s
Jan. 26, cont.		
HH	iP	23 50 46
PF	iP	23 49 52
SH	iP	23 50 46
Jan. 27		
SH	eP	00 04 41
Jan. 27, H = 02 40 59* 4°S, 149°E. New Britain foreshock.		
BC	iP	02 54 50
COL	eP	02 53 19.5
HH	eP	02 54 34
PF	eP	02 54 35
	e	54 40
	i	54 43
SH	eP	02 54 01
Jan. 27		
HH	eP	03 15 59
SH	e	03 15 50
Jan. 27, H = 03 31 01** New Britain foreshock.		
COL	eP	03 43 19
HH	iP	03 44 31
PF	iP	03 44 41
SH	iP	03 44 02
Jan. 27		
HH	iP	06 02 33
SH	eP	06 02 25
Jan. 27, H = 07 18 06* 4°S, 151°E. New Britain region.		

Date and Station		Phase (GCT)
		h m s
BER	e	07 41 22
	eSKS	45 08
	ePPS	52 17
	eSS	58 08
	eL	08 15 20
T_{SS}= 13 sec. A = 0.2 mm.		
T_L = 21 sec. $A_{max.}$= 0.6 mm.		
BC	iP	07 31 40
BOZ	eSKS	07 42 29
	eS	43 35
	ePS	44 40
	eL	08 02 50
BUT	eL	08 01 46
CHI	eL	08 10 06
COL	eP	07 30 24
	eS	40 39
	eL	51 57
COLU	eL	08 15 29
HONO	e	07 35 43
	eL	43 35
HUAN	eP'	07 37 33
	e	40 44
	e	47 15
	eSS	57 32
	eL	08 12 29
HH	iP	07 31 37
LIN	eL	08 10 28
LOG	e	07 31 56
	ePP	35 46
	eS	43 30
	eL	08 04 00
PHIL	eL	08 12 45
PF	eP	07 31 35
	e	31 38
	i	31 40
RC	eL	08 11 00

Date and Station		Phase (GCT)
		h m s
Jan. 27, cont.		
SJ	e	07 44 14
	ePPS	53 29
	eL	08 25 42
SIT	eS	07 41 10
	eL	53 16
SEA	e(S)	07 40 30
	eL	59 42
SH	iP	07 31 09
TUC	eP	07 31 46
	ePP	35 53
	e	45 36
	eSS	50 32
	eL	59 06
Jan. 27		
HH	eP	08 04 43
Jan. 27		
HH	eP	10 03 32
PF	iP	10 02 59
Jan. 27, H = 11 00 00* 55°N, 163½°E. Off east coast of Kamchatka.		
BER	eL	11 45 15
BC	iP	11 09 49
BOZ	eL	11 27 25
CHI	eL	11 35 20
COL	iP	11 05 33
	e(PP)	06 26
	eS	10 02
	eL	12 16
HH	iP	11 08 49
LIN	eL	11 33 45
LOG	eP	11 09 31
PHIL	e	11 13 25
	eL	38 15

Date and Station		Phase (GCT)
		h m s
Jan. 27, cont.		
PF	eP	11 09 52
SIT	iS	11 12 08
	eL	17 30
SH	eP	11 08 51
	i	08 53
TUC	iP	11 10 24
	ePP	12 37
	eL	37 00
Jan. 27		
HH	iP	11 44 27
Jan. 27		
HH	iP	13 06 48
Jan. 27, H = 14 58 29* 4°S, 151°E. New Britain region.		
BER	eL	16 04 22
BC	iP	15 12 03
CHI	eL	15 50 00
COL	iP	15 10 47
	eS	20 58
	e(SS)	25 53
	eSSS	30 33
	eL	36 12
HONO	eL	15 22 43
HUAN	e	15 21 18
	eL	52 47
HH	iP	15 12 00
PF	iP	15 12 06
SIT	e(P)	15 11 20
	iS	21 34
	e	21 48
	eSS	27 06
	eL	33 00
SH	iP	15 11 32

Date and Station		Phase (GCT) h m s
Jan. 27, cont.		
TUC	eP	15 12 19
	ePPP	15 40
	eL	44 00
Jan. 27		
PF	eP	19 44 29
Jan. 27		
TUC	iP	21 54 53
	i	54 54
	i	54 59
	i(S)	55 10
	i	55 20
	eL	55 29
Jan. 27		
BC	e	22 49 26
COL	e	22 48 10
PF	eP	22 49 09
Jan. 28		
COL	e	03 01 18
Jan. 28, H = 07 40 01* 55°N, 163½°E. Off east coast of Kamchatka.		
BC	eP	07 49 39
COL	iP	07 45 35
	eL	53 20
LOG	e	07 49 34
PF	iP	07 49 53
SH	eP	07 48 54
TUC	e	07 50 25
Jan. 28, H = 08 18 03* 28½°N, 43½°W. Mid-Atlantic Ocean.		
BER	iP	08 22 20
	eS	25 48
	eL	27 00
BC	iP	08 28 11

Date and Station		Phase (GCT) h m s
Jan. 28, cont.		
BOZ	e	08 27 46
	ePPP	29 07
	e	35 26
	eL	38 21
BUT	e	08 28 15
	eL	46 10
COLU	eP	08 24 32
	eS	29 55
	eL	33 06
HUAN	eP	08 27 05
HH	iP	08 27 49
LIN	eL	08 41 44
LOG	eP	08 27 43
	ePP	29 46
	e(S)	35 36
	eL	47 02
PHIL	e	08 25 04
	i	25 49
	e	29 44
	eL	31 56
PF	iP	08 28 04
RC	eP	08 26 57
	ePP	29 03
	eS	34 00
	eL	42 56
SJ	eP	08 23 10
	e	23 24
	e	24 12
	eS	27 20
	eL	27 47
SH	iP	08 28 38
	i	28 44
TUC	eP	08 27 53
	iP	27 55
	ePP	30 13
	e	32 23
	eS	35 46
	e	40 38
	e	46 31
	eL	56 00

Date and Station		Phase (GCT) h m s
Jan. 28		
PF	eP	09 21 53
	iS	23 30
Jan. 28		
HH	iP	13 50 06
Jan. 28		
COL	iP	22 47 14
Jan. 28, H = 23 26 54* 39°N, 129°E. Off east coast of Korea.		
COL	iP	23 36 07.5
HH	iP	23 38 58
LOG	eP	23 39 21
SH	iP	23 38 59
Jan. 29, H = 05 31 32** Sandwich Islands region.		
COL	iP'	05 51 24.5
HUAN	eP	05 41 34
HH	iP'	05 50 37
PF	iP'	05 50 19
SH	iP'	05 50 34
Jan. 29		
COL	e	07 02 24.5
	e	02 31.5
Jan. 29		
HH	iP	12 12 05
Jan. 29		
COL	iP	13 12 45
Jan. 29		
HH	iP	17 12 50
Jan. 29		
COL	eP	17 49 46

Date and Station		Phase (GCT) h m s
Jan. 29		
COL	eP	18 32 03
Jan. 30		
HH	eP	00 49 36
	i	49 42
Jan. 30		
COL	eP	01 44 50.5
Jan. 30, H = 01 50 58* 38°N, 27°W. Azores Island region.		
BER	eL	02 05 12
BC	iP	02 02 01
COL	e(P)	02 01 38
HH	eP	02 01 15
	i	01 16
PF	iP	02 01 56
Jan. 30		
HH	eP	04 40 29
Jan. 30		
BC	eP	07 14 07
HH	eP	07 18 50
Jan. 30		
BC	iP	14 40 29
	e(S)	41 08
PF	iP	14 40 27
	iS	41 19
Jan. 30		
HH	iP	15 56 17
	iS	56 56
PF	eP	15 43 13
	e(S)	45 09
TUC	e	15 42 35
	i	42 47
	i	42 54
	i(S)	43 21
	e	43 31
	eL	44 01

Date and Station		Phase (GCT) h m s
Jan. 30		
COL	e	17 03 57.5
Jan. 30		
PF	eP	17 13 59
Jan. 30		
TUC	e	12 37 44
	i	37 49
	i	38 33
	eL	39 03
Jan. 30		
TUC	iP	20 17 11
	iS	17 31
	i	17 33
	eL	17 45
Jan. 30		
COL	e(P)	23 51 52.5
	eS	52 12
	iS	52 12.5
HH	eP	23 55 10
	i	55 15
SIT	e	23 51 55
	e	52 09
	i(S)	53 08
	iL	53 20
Jan. 31		
COL	iP	00 27 52.5
HH	iPP	00 33 14
PF	iPP	00 33 21
SH	iPP	00 32 58
Jan. 31		
BC	iP	03 25 31
HH	iP	03 26 13
	e	35 55
PF	eP	03 25 24
SH	iP	03 24 51
Jan. 31		
BC	iP	03 50 36

Date and Station		Phase (GCT) h m s
Jan. 31, cont.		
COL	eP	03 48 36
HH	iP	03 50 22
PF	eP	03 49 58
	i	50 36
SH	iP	03 50 02
Jan. 31		
BC	eP	14 38 55
	iP	39 08
PF	eP	14 38 49
	iS	39 26
Jan. 31, H = 14 53 25** Southern Bolivia. h = about 250 km.		
BC	iP	15 05 32
HUAN	eP	14 56 19
	eS	58 20
	e	58 40
HH	iP	15 05 21
LOG	e	15 04 45
SH	eP	15 05 14
	i	06 13
TUC	iP	15 04 05
Jan. 31		
COL	e	16 54 02.5
Jan. 31		
PF	eP	23 00 52
SH	eP	23 00 08
	iP	00 12
Jan. 31, H = 23 31 10* 15°S, 174°W. Samoa Islands region.		

Date and Station		Phase (GCT)
		h m s
Jan. 31, cont.		
BC	i	23 42 54
	i	43 19
COL	iP	23 43 30.5
HH	eP	23 43 42
PF	iP	23 43 00
SH	iP	23 42 42
Feb. 1		
HH	e	00 53 00
Feb. 1		
SJ	eL	04 28 05
Feb. 1		
HUAN	eP	07 49 34
	i	49 55
	eS	50 26
	eL	50 37
Feb. 1		
HH	e	09 12 46
Feb. 1, H = 09 49 25 By PAS, 33°25' N, 116°25' W. Near Desert Hot Springs, Calif.		
BC	e(P)	09 50 10
	eS	50 38.5
PF	eP	09 50 11.5
	eS	50 54.5
TUC	eL	09 52 10
Feb. 1		
BC	eP	10 02 34.5
	i	02 38.5
HH	eP	10 05 17
	i	05 22
PF	iP	10 02 36.5
	iS	03 38.5
SH	eP	10 02 06.5
	i	02 08

Date and Station		Phase (GCT)
		h m s
Feb. 1, H = 11 59 19 By PAS, 33°51' N, 117°45' W. Near Peralta, Calif.		
BC	iP	12 00 11
	iL	01 03
PF	iP	12 00 20
	iL	01 21
Feb. 1		
HH	e	12 39 30
SH	e	12 40 07
Feb. 1, H = 13 30 42* 40½°N, 121½°W. Northern Calif.		
HH	e	13 33 01.5
PF	eP	13 32 31.5
SH	iP	13 30 54
	eS	31 01
UK	eL	13 32 22
Feb. 1, H = 14 15 56** Atlantic Ocean, 600 miles southwest of Azores.		
BER	eL	14 25 50
TUC	eP	14 26 10
	e	27 13
Feb. 1		
HH	iP	17 25 40
Feb. 1, H = 18 15 53* 4°S, 135½°E. Northern New Guinea.		
BER	e	18 36 35
	e	37 42
	e	40 10
	e(PPS)	52 25
	eL	19 24 10
	F	20.5

Date and Station		Phase (GCT)
		h m s
Feb. 1, cont.		
BC	eP	18 30 21
BCZ	eL	19 09 25
BUT	eL	19 00 02
CHI	eL	19 07 21
COL	eSKS	18 39 24
	eL	57 59
COLU	eL	19 13 34
HUAN	eP'	18 35 37
	ePP	39 00
	eSKS	42 45
	e	50 40
	eSS	57 51
	eL	19 17 35
HH	eP	18 30 08
	i	30 20
	i	30 49
	iS	34 32
	ePKKP	45 57
LOG	eP'	18 34 12
	ePS	44 19
	eL	19 05 41
PHIL	eL	19 16 35
PF	eP	18 30 05.5
	e(PS)	34 51.5
SJ	e	18 44 11
	eSKKS	46 19
	eSS	59 27
	e	19 02 12
	eL	20 33
SH	iP	18 29 47
SIT	eS	18 40 10
	e	44 56
	e(SS)	47 06
	eL	53 47
SLC	eL	19 12 30

Date and Station		Phase (GCT) h m s
Feb. 1, cont.		
TUC	eP'	18 34 26
	e(PP)	35 18
	ePS	44 50
	eSS	50 52
	e(SSS)	55 44
	eL	19 05 45
Feb. 1		
TUC	iP	22 07 37
	i	07 40
	iS	07 56
	i	08 00
	eL	08 08
Feb. 1		
TUC	iP	22 13 34
	i	13 39
	i	13 43
	i	13 48
	i	14 12
	eL	14 18
Feb. 2		
HH	eP	03 57 26
PF	e	03 57 35
	i	58 14
SH	e	03 56 31
Feb. 2		
HH	iP	05 09 07
	i	12 42
	i(S)	12 55
Feb. 2		
HUAN	eP	05 47 28
	eS	47 52
	eL	48 06
Feb. 2		
COL	iP	06 37 07
	eS	38 07.5
	eL	38 12.5
Feb. 2		
TUC	iP	06 44 11
Feb. 2		
HH	e	08 24 55

Date and Station		Phase (GCT) h m s
Feb. 2, cont.		
PF	eP	08 24 19
	iP	24 22
SH	eP	08 24 08
Feb. 2		
HH	iP	09 28 45
SH	iP	09 28 33
Feb. 2		
COL	iP	09 41 58.5
Feb. 2		
BC	eP	10 52 16
HH	iP	10 52 50
PF	eP	10 52 21
SH	iP	10 52 05
TUC	eP	10 52 23
Feb. 2		
BC	eP	13 18 02
HH	e	13 21 47.5
PF	iP	13 18 01
SH	iP	13 17 52
	i(S)	18 53
TUC	eP	13 19 38
	e	21 41
Feb. 2		
HH	e	15 02 56
SH	e	15 03 20
Feb. 2		
HH	e	16 27 55

Feb. 2, H = 17 41 31*
53½°N, 172½°W. Aleutian Islands region. h = about 200 km.

Date and Station		Phase (GCT) h m s
Feb. 2, cont.		
BER	eP	17 52 42
	e	53 52
	iS	18 02 08
	eScS	02 30
	esS	02 57
	e(SS)	06 38
	eL	11 32

T_S = 8 sec. A = 0.9 mm.
T_L = 23 sec. $A_{max.}$ = 0.3 mm.

BC	iP	17 49 18.5
	iScP	54 33
	iS	55 34
	iScS	58 55
BOZ	iP	17 48 48
	i(pP)	49 15
	ePP	50 20
	ePPP	51 04
	e(sPP)	51 15
	eS	54 26
	i(PcS)	54 37
	eL	57 51
BUT	iP	17 48 39
	iPP	50 19
	i	51 39
	i(S)	54 22
	eL	57 31
CHI	iPcP	17 51 46
	e	53 52
	ePPP	54 12
	eScP	55 12
	i(S)	58 14
	e(sS)	59 48
	iScS	18 00 14
	e(SS)	02 34
	eL	04 09
COL	iP	17 45 22
	eS	48 31
	eL	50 28
	iPcS	53 26
	iScS	56 43
COLU	eP	17 51 50
	ePPP	55 48
	eS	18 00 12
	esS	01 22
	eL	09 14

Date and Station		Phase (GCT) h m s
Feb. 2, cont.		
HONO	eP	17 47 51
	ePPP	49 26
	eS	53 05
	eL	55 31
T_P= 1.6 sec.	A = 1.8 mm.	
T_S= 5.0 sec.	A = 1.1 mm.	
T_L= 12.0 sec.	$A_{max.}$= 1.3 mm.	
HUAN	eP'	17 59 25
	iPP	59 37
	epPP	18 00 28
	iSKS	05 33
	iS	06 52
	esS	08 13
	eSS	14 19
	eSSS	18 16
	eL	26 38
HH	iP	17 48 23
	iS	53 51
	iScP	54 06
	iScS	58 13
LIN	iP	17 50 15
	ePP	52 15
	iS	57 15
	iScS	59 43
	e(SS)	18 01 17
	eL	02 33
LOG	iP	17 49 01
	i	49 21
	esP	50 09
	iScP	54 23
	i(S)	54 49
	eL	57 52
	iScS	58 39
PHIL	iP	17 51 43
	ipP	52 27
	e	55 33
	iS	59 59
	iScS	18 00 51
	i	01 46
	eL	08 25
PF	iP	17 49 22
	ScP	54 32
	iS	55 42
	iScS	58 58

Date and Station		Phase (GCT) h m s
Feb. 2, cont.		
SLC	iP	17 48 53
	ipP	49 38
	iPP	50 40
	iPPP	51 20
	eScP	54 13
	iS	54 58
	iScS	58 33
	eL	58 46
SJ	iP	17 53 47
	e(PP)	57 27
	iS	18 03 50
	i(ScS)	04 02
	e(SS)	10 00
	eL	24 12
SEA	e(P)	17 47 29
	esP	48 40
	ePP	48 51
	eS	52 32
	esS	53 35
	eL	53 45
SH	iP	17 48 16
	iS	53 42
	iScP	54 02
	iScS	58 08
SIT	iP	17 46 08
	i(S)	49 58
	iL	50 48
TUC	iP	17 49 57
	ipP	50 38
	isP	51 03
	i(PcP)	51 31
	iPP	51 52
	epPP	52 33
	iScP	54 54
	iS	56 42
	eScS	59 28
	e(SS)	18 00 40
	eL	01 39
UK	eP	17 48 15
	ePP	49 34
	e(PcP)	50 18
	e(S)	53 46
	esS	54 44
	eL	57 43

Date and Station		Phase (GCT) h m s
Feb. 2		
HH	iP	18 18 45
	i(S)	20 39
Feb. 2		
TUC	iP	19 07 53
	i	07 59
	iS	08 09
	i	08 11
Feb. 2		
TUC	iP	19 26 53
	i	26 56
	iS	27 12
	i	27 15
	eL	27 24
Feb. 2		
TUC	iP	20 54 22
	i	54 26
	iS	54 44
	i	54 48
	i(L)	54 52
Feb. 2		
BC	eP	21 22 53
	eS	23 28
PF	eP	21 23 06
	iS	23 47
Feb. 2		
TUC	iP	21 52 41
	eS	52 57
	i	52 59
	eL	53 08
Feb. 3		
HH	iP	03 44 34
SH	iP	03 48 28
	iS	48 56.5
Feb. 3		
BC	eP	07 14 07
HH	eP	07 14 46
	i	15 04
	i	15 11

Date and Station		Phase (GCT)
		h m s
Feb. 3, cont.		
LOG	e	07 11 39
	i	11 46
	i(S)	11 55
	eL	12 09
Feb. 3		
HH	i	11 07 10.5
SH	e	11 07 17
Feb. 3		
TUC	iP	15 39 40
	i	39 43
	iS	40 02
	i	40 12
	eL	40 14
Feb. 3, H = 16 39 21* 19°S, 173°W. Tonga Islands region. h = about 100 km.		
BC	iP	16 41 07
COL	iP	16 41 55
	eSKS	52 08
	e(L)	17 08 52
HUAN	e	16 44 23
	e(SKS)	53 12
	eSP	55 00
	ePS	55 10
	e(SS)	17 00 12
	eL	14 40
HH	iP	16 41 53
PHIL	eL	17 29 00
SH	iP	16 41 24
	i	41 42
TUC	eP	16 41 19
	epP	41 50
	e	42 44
	eL	17 08 55
Feb. 3		
COL	e	20 25 51.5

Date and Station		Phase (GCT)
		h m s
Feb. 3		
TUC	iP	21 04 47
	e	04 49
	eS	05 03
	iS	05 06
	eL	05 09
Feb. 3		
HUAN	eP	21 05 05
	iS	05 20
	iL	05 28
Feb. 4		
TUC	eP	02 37 45
	i	37 51
	i(S)	38 46
	eL	39 09
Feb. 4		
BC	i(P)	10 44 51
	e	46 10
	e	46 12
HH	e	10 43 18
	i	43 41
	i	47 09
LOG	e	10 43 45
	i	43 59
	iS	44 01
	i	44 06
	eL	44 19
SH	i	10 43 20
TUC	e	10 46 21
	e	48 19
Feb. 4		
LOG	e	11 03 58
	e	04 02
	iS	04 14
	i	04 21
	eL	04 27
Feb. 4		
HH	e	14 34 29
	i	34 37
Feb. 4		
HH	iP	15 57 18

Date and Station		Phase (GCT)
		h m s
Feb. 4		
BOZ	eL	19 55 20
Feb. 4		
HH	eP	22 14 38.5
	iS	15 19.5
Feb. 4		
SH	iP	23 39 52
	iS	40 21
Feb. 5, H = 00 28 16* 39°N, 29°E. Western Turkey.		
BC	iP	00 41 54
COL	iP	00 40 02.5
	i	40 05.5
	i	40 50.5
HH	iP	00 40 58
Feb. 5, H = 00 46 30* 16½°S, 180° Fiji Islands region. h = about 500 km.		
BC	iP	00 57 56.5
COL	iP	00 58 16.5
	ipP	01 00 17.5
HH	iP	00 58 28
	ePKKP	01 16 13
SH	iP	00 57 43
	e(pP)	59 50
	ePKKP	01 16 31
TUC	iP	00 58 04
Feb. 5		
BC	iP	05 18 15
HH	e	05 17 18
	e	19 06.5
LOG	iP	05 15 39
	i	15 44
	iS	15 55

Date and Station		Phase (GCT) h m s
Feb. 5, cont.		
LOG, cont.	i	05 16 02
	i	16 10
	eL	16 13
Feb. 5, H = 15 24 13* 38°N, 22°E. Greece.		
BC	iP	05 34 03
HH	e	05 34 50
SH	e	05 33 30
Feb. 5		
BC	eP	08 00 43
COL	iP	07 56 27.5
HH	iP	07 59 42.5
SH	iP	07 59 49.5
TUC	eP	08 01 18
Feb. 5		
HH	iP	08 11 53
Feb. 5		
COL	iP	09 07 12.5
Feb. 5		
HH	iP	12 05 04.5
SH	iP	12 05 50
Feb. 5		
COL	iP	15 36 07.5
Feb. 5		
HH	iP	15 56 52
	i	56 57
Feb. 5, H = 20 18 22* 19°N, 70½°W. Dominican Republic. Felt.		
BER	eL	20 25 30
BC	iP	20 26 20
CHI	eL	20 36 41

Date and Station		Phase (GCT) h m s
Feb. 5		
COL	iP	20 29 17.5
HH	iP	20 26 44
LOG	eP	20 26 05
	e	26 46
PHIL	eL	20 29 44
SJ	eP	20 19 27
	iS	20 06
	i	20 15
	iL	20 34
SH	iP	20 27 11
TUC	eP	20 25 48
	i	25 53
	ePP	27 21
	eL	45 22
Feb. 6		
HH	eP	04 03 25
	i	03 31
	i	04 21
	eS	07 41
Feb. 6		
HH	eP	08 08 26
	i	08 27
	e(S)	08 56
SH	eP	08 08 29
	i	08 30
	iS	08 59
Feb. 6		
HH	iP	09 05 08
Feb. 6, H = 09 16 22* 18°N, 145°E. Mariana Islands region. h = about 170 km.		
BC	iP	09 28 52
	i(pP)	29 36
COL	iP	09 26 39
	i(PcP)	26 56
	ipP	27 20

Date and Station		Phase (GCT) h m s
Feb. 6, cont.		
HH	iP	09 28 35
	ipP	29 17
	e(PP)	31 39
	eS	38 36
LOG	iP	09 28 49
	ipP	29 31
	ePP	32 15
	e(SKS)	39 00
	eS	39 12
	eSP	40 12
TUC	iP	09 29 14
	i(pP)	29 56
	e(PP)	32 41
	eSP	41 07
Feb. 6		
TUC	eP	13 01 08
	e	01 24
Feb. 6, H = 16 33 34** Tonga Islands region.		
COL	iP	16 46 16
HH	eP	16 46 15
	i	46 21
SH	iP	16 45 27
Feb. 6		
SH	iP	17 40 53
Feb. 7		
BC	eP	01 21 23
COL	e(P)	01 15 44
	iP	15 53
	eS	16 39
	eL	17 03
HH	iP	01 19 55
Feb. 7		
COL	eP	04 39 23
Feb. 7		
SH	iP	06 29 03

Date and Station		Phase (GCT) h m s
Feb. 7		
HH	eP	09 22 06
	i	22 07
SH	iP	09 22 39
Feb. 7, H = 10 53 16** Off southern coast of Mexico. h = about 100 km.		
BC	eP	10 59 00
	i	59 05
COL	iP	11 03 33.5
HH	iP	11 00 27
TUC	eP	10 58 21
	i(pP)	58 43
	ePP	59 02
	eL	11 05 20
Feb. 7		
LOG	e	12 26 04
Feb. 7		
SH	iP	15 06 35
Feb. 7		
BH	iP	18 41 22
	iS	41 52
Feb. 7		
TUC	iP	20 16 18
	i	16 21
	iS	16 34
	i	16 37
	eL	16 44
Feb. 7		
TUC	iP	21 36 31
	i	36 36
	iS	36 53
	i	36 57
	eL	37 14
Feb. 8, H = 04 31 34* 18°N, 68½°W. Off southeast coast of Dominican Republic. h = about 100 km.		
Feb. 8, cont.		
BC	iP	04 39 37
COL	iP	04 42 34.5
HH	iP	04 40 04
SJ	eP	04 32 08
	i	32 15
	i(S)	32 32
	iL	33 04
SH	iP	04 40 30
TUC	eP	04 39 08
	e	40 39
Feb. 8		
HH	iP	18 22 49
SH	e	18 22 40
	i	22 45
Feb. 8		
TUC	iP	21 34 59
	i	35 02
	i(S)	35 19
	e	35 26
	eL	35 36
Feb. 8		
HH	eP	21 41 38
Feb. 9		
COL	iP	00 39 45.5
TUC	eP	00 39 23
Feb. 9		
SH	iP	09 28 17.5
	ipP	28 57.5
Feb. 9		
SH	iP	12 23 35
Feb. 9		
HH	eP	13 40 28
	e	41 32
Feb. 9		
HH	iP	17 38 46
Feb. 9		
SH	e	17 44 01
Feb. 9		
HH	iP	22 01 52
Feb. 9		
BC	iP	22 52 20
Feb. 10		
SH	iP	00 16 37
Feb. 10		
PF	iP	04 56 36
	iS	57 16
Feb. 10		
SH	iP	06 49 48
Feb. 10		
HH	iP	13 37 52
	i	44 39
	i	44 43
Feb. 10		
TUC	iP	16 42 28
	i	42 29
	iS	42 49
	i	42 52
	eL	43 04
Feb. 10		
HH	iP	21 26 08
	e	54 01
Feb. 10, H = 21 56 39* 16°S, 173°W. Samoa Islands region.		
BER	ePP	22 16 17
	e(SKS)	21 40
	e	23 18
	e(S)	24 17
	ePS	25 50
	ePPS	26 50
	eL	50 20
BC	iP	22 08 26
	i	10 05.5
BOZ	eL	22 34 55

Date and Station		Phase (GCT)
		h m s
Feb. 10, cont.		
BUT	eP	22 08 56
	eS	19 15
	eL	34 38
CHI	eL	22 41 46
COL	iP	22 09 03
	i	18 45
	iS	19 16
	eL	33 20
COLU	eSKS	22 21 14
	eL	36 44
HONO	eL	22 13 32
HUAN	eP	22 10 07
	ePP	14 20
	eSKS	20 46
	iS	21 30
	eSS	27 50
	eL	41 45
HH	iP	22 09 33
	eP'P'	35 54
LOG	iP	22 08 51
	i	09 03
	iS	18 57
	e(ScS)	19 22
	eL	32 59
PHIL	ePP	22 15 12
	e	16 07
	e	19 33
	eSKS	21 35
	ePS	24 32
	eL	39 39
PF	iP	22 08 29.5
RC	iP	22 09 30
	i	09 38
	e(PP)	13 08
	iSKS	19 55
	iS	20 07
	eL	37 28
SLC	iP	22 08 42
	e	09 06
	ePP	12 10
	eSKS	18 44
	iS	19 12
	eL	32 44

Date and Station		Phase (GCT)
		h m s
Feb. 10, cont.		
SJ	ePP	22 16 04
	eSKS	21 56
	eS	23 39
	ePS	25 26
	eL	38 52
SH	iP	22 08 12
TUC	iP	22 08 32
	i	08 43
	ePP	11 18
	eS	18 16
	iS	18 19
	e(ScS)	18 57
	eL	31 21
Feb. 10		
BC	iP	23 17 16
	iS	17 53
PF	eP	23 17 20
	eS	18 01
Feb. 10		
TUC	iP	23 24 34
	iS	24 52
	iL	25 03
Feb. 11, H = 03 51 29** 34°N, 39°W. North Atlantic Ocean.		
BER	eL	04 00 15
BC	iP	04 01 44
HH	iP	04 01 40
PF	iP	04 01 39.5
SJ	eL	04 04 07
SH	iP	04 02 06
TUC	eP	04 01 21
Feb. 11, H = 07 23 48* 35°S, 108°W. Pacific Ocean, south of Easter Island.		

Date and Station		Phase (GCT)
		h m s
Feb. 11, cont.		
BC	iP	07 35 06
HUAN	eP	07 31 05
	e	31 14
	iPcP	32 28
	eS	36 59
	eL	39 38
HH	iP	07 36 14
	e	39 06
PF	eP	07 35 03
	iP	35 07
SJ	e	07 35 11
	eS	43 23
	e(SSS)	50 44
	eL	51 49
SH	iP	07 35 38
TUC	iP	07 34 41
	ePP	37 29
	eScS	44 40
	eL	56 26
Feb. 11		
BC	iP	07 48 17
HH	iP	07 48 14
PF	iP	07 48 14
SH	iP	07 48 39
Feb. 11, H = 09 57 25 By PAS, 32°00' N, 117°00' W. Near Ensenada, Calif.		
BC	eP	09 58 34
	iL	10 59 42
PF	iP	09 58 41
	iL	10 01 52
TUC	eP	09 58 43
	eL	10 00 06
Feb. 11		
BH	iP	14 45 35
	i	46 12

Date and Station		Phase (GCT)
		h m s
Feb. 11, cont.		
HH	eP	14 53 45
	iP	53 46
PF	eP	14 52 13.5
	e	52 18.5
Feb.11		
BC	iP	15 00 42
HH	iP	15 00 08
SH	eP	15 00 27
Feb. 11, H = 21 05 24 By PAS, 37°05' N, 117°45' W. East of Tinemaha, Calif. Felt.		
BC	iP	21 06 06
BOZ	e	21 08 33
	eL	09 51
BUT	eP	21 08 42
	i	10 32
	iS	11 04
	eL	11 38
CHI	eL	21 18 01
COL	iP	21 12 01
COLU	eL	21 21 16
HH	iP	21 08 13
LIN	eP	21 09 22
	eL	14 27
LOG	eP	21 07 02
	i	07 23
	iS	08 13
	iL	08 42
PF	iP	21 06 14
RC	iP	21 08 34
	i	08 37
	eS	10 28
	eL	11 21

Date and Station		Phase (GCT)
		h m s
Feb. 11, cont.		
SLC	eP	21 06 45
	eS	07 43
	eL	07 55
SEA	eL	21 12 02
SH	eP	21 06 36
	i	06 41
	iL	08 04
SIT	eL	21 19 20
TUC	iP	21 07 14
	i	07 24
	i	07 43
	iS	08 23
	iL	08 46
UK	eS	21 07 47
	eL	08 03
Feb. 11		
HH	e	22 29 50
	i	30 05
SIT	eL	22 33 18
Feb. 12		
SH	iP	02 57 04
	iS	57 46
Feb. 12		
HUAN	e(S)	03 13 55
	eL	15 41
HH	eP	03 23 16.5
PF	iP	03 22 26.5
TUC	eP	03 21 57
Feb. 12, H = 05 25 56 By PAS, 37°05' N, 117°45' W. East of Tinemaha, Calif. Felt.		
BC	iP	05 26 43
	i	26 46
	i(S)	27 20

Date and Station		Phase (GCT)
		h m s
Feb. 12, cont.		
PF	iP	05 26 49.5
	i	26 52.5
	iL	27 36.5
SH	e(P)	05 27 25
TUC	eP	05 27 48
	e	28 19
	eL	29 35
Feb. 12		
BC	e	11 42 20.5
HH	eP	11 42 13
	iP	42 14
	e	45 24
SH	iP	11 41 55
Feb. 13		
COL	iP	08 32 50.0
Feb. 13		
HUAN	e	13 52 38
	eS	54 20
	eL	54 48
Feb. 13		
BER	eL	18 16 00
Feb. 13		
BC	i(P)	18 17 24.5
HH	iP	18 17 00.5
LOG	e(P)	18 16 52
PF	iP	18 17 20
SH	iP	18 16 51
TUC	e(P)	18 17 14
Feb. 13, H = 18 24 23* 33½°N, 178°W. Kermadec Islands region. h = about 60 km.		
BER	e	18 41 05
	ePP	45 00
	e	56 18

Date and Station		Phase (GCT) h m s
Feb. 13, cont.		
BER, cont.	e	18 57 10
	eSS	19 02 05
	eL	16 00
T_{SS}= 12 sec. A = 0.6 mm.		
T_L = 22 sec. $A_{max.}$ = 1.8 mm.		
BC	iP	18 37 21.5
BOZ	e(sP)	18 38 47
	ePP	42 06
	eSKS	48 42
	ePS	51 14
	eSS	56 23
	e(SSS)	59 51
	eL	19 06 48
BUT	e	18 41 37
	esPP	42 55
	eSP	50 50
	eSSS	19 00 26
	eL	06 35
CHI	ePP	18 43 35
	eS	51 35
	iSP	53 05
	eSPP	54 15
	eSS	58 50
	eL	19 16 41
COL	eSKS	18 48 33
	epS	50 11
	e(SP)	50 54
	eL	19 10 16
COLU	eSP	18 53 11
	eL	19 11 40
HONO	eP	18 34 08
	iS	42 08
	e(sS)	42 41
	eL	48 50
T_S = 10 sec. A = 2.7 mm.		
T_L = 12 sec. $A_{max.}$ = 2.6 mm.		
HUAN	eP	18 37 38
	ePP	41 36
	eSKS	47 50
	eS	48 36

Date and Station		Phase (GCT) h m s
Feb. 13, cont.		
HUAN, cont.		
	ipS	18 49 08
	ePS	50 13
	e(SS)	55 20
	eSSS	58 57
	eL	19 03 00
HH	iP	18 37 59
	isPP	42 41.5
LOG	iP	18 37 44
	ePP	41 50
	e(PPP)	43 35
	eSKKS	48 25
	eS	48 43
	i(PS)	50 38
	e(SS)	54 51
	eSSS	59 07
	eL	19 05 47
NK	e(PP)	18 43 57
	eSKS	50 00
	eSP	54 02
	eL	19 22 42
PHIL	ePP	18 44 28
	eSKS	50 15
	e(S)	51 46
	eSP	54 09
	eSS	19 01 05
	eL	14 02
PF	iP	18 37 24.5
SLC	e(P)	18 37 33
	iPP	41 48
	esPP	42 34
	eSKS	48 15
	eSKKS	48 25
	eS	49 08
	iSP	50 22
	e	19 04 12
SJ	eSP	18 54 12
	iSS	19 00 57
	eL	14 26
SH	iP	18 38 17

Date and Station		Phase (GCT) h m s
Feb. 13, cont.		
TUC	iP	18 37 22
	ipP	37 49
	i(PP)	40 58
	esPP	41 55
	eS	48 22
	eSP	49 31
	i(PS)	49 51
	e(SS)	54 49
	e(SSS)	58 00
	eL	19 02 27
UK	eSP	18 48 52
	eL	19 03 36
Feb. 13		
COL	iP	20 41 30.0
Feb. 13, H = 20 43 09* 21½°S, 69°W. Northern Chile. h = about 100 km. Felt.		
BC	iP	20 54 27
	ipP	54 56
HUAN	eP	20 45 46
	i	46 14
	eS	47 53
	i	48 00
	iL	48 18
HH	iP	20 55 15
PF	iP	20 54 25
SH	iP	20 54 41
	i(PcP)	55 03
TUC	iP	20 53 56
	ipP	54 23
	isP	54 37
Feb. 13		
BC	eP	21 16 27
PF	iP	21 16 29
Feb. 14		
HH	eP	00 47 05

Date and Station		Phase (GCT) h m s
Feb. 14		
HH	iP	01 03 24.5
Feb. 15		
HH	e	03 15 09
SH	eP	03 15 09
Feb. 14		
HH	iP	15 11 43
SH	e	15 11 41
Feb. 14, H = 16 24 19* 15°S, 166½°E. New Hebrides region.		
BC	eP	16 37 11
	e	37 16
COL	iP	16 37 05.5
HH	iP	16 37 40
PF	eP	16 37 23
TUC	eP	16 37 27
	i	38 01
	i	38 14
	ePP	41 06
Feb. 14, H = 18 07 31* 18°N, 106°W. Off coast of Colima, Mexico.		
BER	eP	18 15 00
	e(PP)	16 40
	eS	20 42
	e	21 05
	eL	24 17
BC	iP	18 12 04
BOZ	eP	18 13 25
	ePP	14 19
	e(S)	18 20
	eL	20 36
BUT	eP	18 13 30
	i(PP)	14 32
	iS	18 21
	eL	19 42
Feb. 14, cont.		
CHI	eP	18 13 29
	eS	18 15
	eL	19 30
COL	eP	18 16 59.5
	e(S)	25 04
	eL	37 50
COLU	eP	18 13 16
	e(S)	17 58
	e(L)	22 18
HONO	e(ScS)	18 25 54
	eL	29 13
HUAN	eP	18 15 21
	ePPP	17 40
	eS	21 50
	eL	25 08
HH	iP	18 13 51
LIN	eP	18 12 48
	e(S)	17 13
	eL	20 08
LOG	eP	18 12 49
	iPP	13 16
	eS	17 06
	i	18 12
	eL	20 11
NK	eP	18 13 46
	e(S)	19 11
	eL	21 01
PHIL	eP	18 14 18
	e(PP)	15 18
	eS	19 46
	eL	20 59
PF	iP	18 12 02.5
	eS	15 54.5
RC	eP	18 13 12
	e(PP)	14 30
	e(S)	17 47
	iL	18 01
SLC	eP	18 12 33
	i	13 01
Feb. 14, cont. SLC, cont.		
	ePP	18 13 19
	i(S)	16 56
	eL	17 01
SJ	ePP	18 16 14
	eL	29 31
SEA	i	18 15 45
	eS	19 12
	eL	20 20
SIT	eL	18 32 46
TUC	iP	18 11 07
	i	11 41
	i	12 04
	eL	14 15
UK	eL	18 18 45
Feb. 14, H = 18 42 04* 14°N, 121°E. Near southern coast of Luzon, P. I.		
COL	iP	18 54 07.5
HH	eP	18 56 13
	iP	56 18
HUAN	e	19 01 25
	e	08 39
	e	12 47
	ePPS	21 21
	eSS	28 47
	eL	20 04 50
PF	e	19 00 02.5
	iPP	01 00.5
TUC	ePP	19 01 24
Feb. 14		
BC	e	19 11 50
HH	iP	19 12 06
Feb. 14, H = 19 24 49* 18°N, 106°W. Colima, Mexico.		

Date and Station		Phase (GCT)
		h m s
Feb. 14, cont.		
BC	eP	19 29 06
BUT	eL	19 41 16
LIN	eL	19 37 03
PHIL	eL	19 41 02
RC	eL	19 36 11
SLC	e(PP)	19 30 31
	eL	36 18
TUC	eP	19 28 04
	e	28 26
	e	28 42
	eL	31 19
Feb. 14		
HH	e	19 47 46
Feb. 14, H = 20 41 48** Colima, Mexico, aftershock.		
BC	eP	20 46 20
	iP	46 24
COL	iP	20 50 52.5
	i	51 09.5
LIN	eL	20 54 20
PF	eP	20 46 18
TUC	eP	20 45 23
	i	45 41
	eL	50 18
Feb.14		
TUC	eP	20 28 06
	iP	28 07
	iS	28 28
	i	28 29
	i	28 38
	eL	28 42
Feb. 14, H = 22 29 17* 50°N, 29°W. North Atlantic Ocean.		

Date and Station		Phase (GCT)
		h m s
Feb. 14, cont.		
BC	iP	22 39 32
COL	iP	22 38 57.0
HH	iP	22 38 32
PF	iP	22 39 29
SH	iP	22 39 37
TUC	eP	22 39 33
	e	39 49
Feb. 14		
HH	iP	20 48 07
Feb. 15		
BC	eP	02 04 33
HH	iP	02 04 08.5
PF	iP	02 04 36
SH	eP	02 04 08
Feb. 15, H = 03 52 12* 18°N, 106°W. Colima, Mexico.		
BC	iP	03 56 53
BUT	eL	04 09 26
CHI	eS	04 03 18
	eL	07 14
COL	iP	04 01 50.0
	iPcP	02 41.0
HH	e(P)	03 58 29.5
	e	58 40.5
LIN	e(S)	04 02 06
	eL	04 46
LOG	eP	03 57 43
	eL	04 02 11
PHIL	eS	04 04 36
	eL	08 33

Date and Station		Phase (GCT)
		h m s
Feb. 15, cont.		
PF	eP	03 56 50
	iP	56 51
RC	eL	04 03 51
SLC	e	03 57 53
	e	04 02 18
	eL	02 25
SIT	eL	04 21 22
TUC	iP	03 55 56
	i	56 47
	eS	58 36
	eL	59 28
Feb. 15, H = 06 42 55* 16°N, 96°W. Near coast of southern Mexico.		
BUT	eL	07 01 55
BC	iP	06 48 30.5
COL	iP	06 53 01.5
	i	53 31.5
LOG	eL	06 59 17
PHIL	e	07 01 43
	eL	04 39
HH	eP	06 49 40.5
	i	50 03.5
PF	eP	06 48 23
	e	48 39
SEA	eL	07 05 40
SIT	eL	07 11 30
TUC	iP	06 47 43
	ePP	48 04
	e	50 42
	eL	53 35
Feb. 15, H = 07 38 00* 16°N, 96°W. Near coast of southern Mexico.		

Date and Station		Phase (GCT)
		h m s
Feb. 15, cont.		
BC	eP	07 43 37.5
BUT	eL	07 57 24
COL	iP	07 48 07.0
HH	eP	07 45 00
LOG	eL	07 53 51
PF	eP	07 43 33
	eL	51 56
SEA	eL	07 57 48
SIT	eL	08 06 32
TUC	eP	07 42 49
	e	43 19
	eL	49 19
Feb. 15		
BC	iP	12 00 20
COL	iP	11 56 14.0
HH	iP	11 59 27
	i	12 00 36.5
PF	iP	12 00 23
SH	iP	11 59 27
TUC	iP	12 00 53
	epP	01 23
Feb. 15, H = 14 09 00* 19°N, 70°W. Near north coast of Dominican Republic.		
BER	e	14 14 38
BC	iP	14 17 00
	i	18 00
COL	eP	14 19 57.0
HUAN	eP	14 15 27
HH	iP	14 17 22

Date and Station		Phase (GCT)
		h m s
Feb. 15, cont.		
LOG	eP	14 16 49
PHIL	eP	14 13 45
	e	14 05
	e(S)	17 23
	i	17 46
	eL	18 18
PF	eP	14 16 54
SIT	eL	14 42 24
SJ	eP	14 09 57
	iS	10 32
	iL	10 48
TUC	iP	14 16 28
Feb. 15		
TUC	iP	20 43 47
	i	43 48
	iS	44 09
	i	44 16
	iL	44 22
Feb. 15		
HUAN	e	20 56 41
	e	21 01 26
	e	17 17
Feb. 16		
PF	iP	01 44 49
Feb. 16		
PF	iP	03 46 18
	e	48 10
Feb. 16		
PF	iP	04 30 57
Feb. 16, H = 10 39 16* 72°N, 1°E. Jan Mayen Island region.		
COL	iP	10 47 07.0
PF	iP	10 49 46
HH	eP	10 48 23

Date and Station		Phase (GCT)
		h m s
Feb. 16, H = 11 02 47 By PAS, 34°00' N, 116°56' W. East of Riverside, Calif.		
PF	eP	11 03 48
SH	i	11 04 58
Feb. 16, H = 11 37 13* 14½°S, 167°E. New Hebrides region.		
BC	eP	11 50 10
	iP	50 12
COL	iP	11 49 57.5
HH	iP	11 50 32
LOG	iP	11 50 28
	ePP	54 11
PF	iP	11 50 15.5
SH	iP	11 50 23
TUC	iP	11 50 22
	e(PS)	12 01 02
	eL	19 12
Feb. 16		
TUC	e	12 54 35
	i	54 40
BC	eP	12 53 28
	i(pP)	54 19
HH	iP	12 53 08
	i	53 54
PF	e	12 53 28
	i(pP)	54 20.5
SH	iP	12 52 49
	i	53 35
	i	53 41
Feb. 16		
COL	iP	15 24 23.5
HH	iP	15 25 14

Date and Station		Phase (GCT) h m s
Feb. 16		
HUAN	e	16 40 03
	e(S)	42 49
	eL	43 05
Feb. 16		
BC	e	16 59 28
	i	17 03 21
PF	iP	16 59 46
	i	17 03 23
SH	iP	16 59 58
Feb. 16, H = 17 36 07** Northwestern Argentina.		
BC	iP	17 48 04
	e	49 00
HH	iP	17 48 49
LOG	eP	17 48 15
PF	iP	17 48 02.5
SH	eP	17 48 43
TUC	iP	17 47 34
Feb. 16		
BC	iP	18 00 45
HH	iP	18 01 29.5
PF	iP	18 00 43
Feb. 16		
SH	iP	18 42 04.5
Feb. 17, H = 03 36 38* 13°S, 173°E. Samoa Islands region.		
BC	iP	03 48 12
COL	iP	03 48 48.5
HH	iP	03 48 32.
PF	eP	03 48 14
	iP	48 15

Date and Station		Phase (GCT) h m s
Feb. 17, cont.		
SH	iP	03 47 58
Feb. 17		
BC	eP	05 28 38
HH	iP	05 28 55
PF	iP	05 28 27
SJ	eP	05 21 34
	eS	22 04
	iL	22 18
SH	iP	05 29 19
TUC	eP	05 28 07
Feb. 17		
COL	iP	07 15 19
	eS	16 17
Feb. 17, H = 08 43 07** New Hebrides region.		
BC	iP	08 56 08.5
COL	eP	08 55 57
HH	eP	08 56 30
	iP	56 32
PF	iP	08 56 11.5
SH	iP	08 55 50
TUC	eP	08 56 17
Feb. 17		
PF	iP	09 57 11.5
SH	iP	09 56 50.5
TUC	eP	09 56 18
Feb. 17		
HH	iP	10 19 15
PF	iP	10 19 17
TUC	eP	10 19 15

Date and Station		Phase (GCT) h m s
Feb. 17		
HH	eP	11 48 33
	i	48 38
Feb. 17		
COL	eP	19 08 02
	iS	08 24.5
Feb. 17		
COL	iP	20 15 14
	iS	15 31
Feb. 17, H = 20 24 33* 20½°S, 175°W. Tonga Islands region.		
BC	eP	20 36 51
COL	eP	20 37 23
	i	37 36
HH	iP	20 35 24
LOG	eP	20 37 07
PHIL	eL	21 23 06
PF	iP	20 36 47
SH	iP	20 35 30.5
TUC	eP	20 36 47
	eL	21 04 47
Feb. 17, H = 21 00 46* 36°N, 5½°E. Northern Algeria. Destructive.		
HH	iP	21 10 58.5
Feb. 18, H = 03 34 05 By PAS, 33°13' N, 116°09' W. Near Borego Valley, Calif.		
PF	eP	03 34 47
	iS	35 49
Feb. 18		
HH	iP	03 47 34.5

Date and Station		Phase (GCT)
		h m s
Feb. 18, H = 05 11 38** Off coast of Colima, Mexico.		
BC	eP	05 16 12
BOZ	eL	05 27 45
BUT	eL	05 28 20
CHI	eL	05 26 21
HH	eP	05 15 59
	iP	16 01
LIN	e	05 19 30
	eL	24 07
LOG	eP	05 17 02
	e	17 24
	e(S)	21 25
	eL	24 28
PHIL	eL	05 28 48
PF	iP	05 16 10.5
	i(PP)	16 43.5
SLC	eS	05 21 17
	eL	24 01
SH	iP	05 16 18
TUC	eP	05 15 13
	e	15 43
	e(S)	17 39
	eL	19 22
Feb. 18		
HH	e	05 43 17
Feb. 18, H = 09 01 35* 19½°N, 70°W. Near northern coast of Dominican Republic.		
BER	eS	09 07 22
	e(L)	07 30
BC	eP	09 09 35
COL	e	09 12 31.5

Date and Station		Phase (GCT)
		h m s
Feb. 18, cont.		
COLU	eL	09 10 28
HH	iP	09 09 58
	e	10 38
	i	10 43
LOG	eP	09 09 20
SLC	eL	09 24 09
SJ	eP	09 02 34
	iS	03 07
	iL	03 13
SH	iP	09 09 24
SIT	eL	09 33 26
TUC	eP	09 09 03
	e(PP)	10 09
	eL	29 12
Feb. 18, H = 12 56 40** Off north coast of Puerto Rico.		
BC	iP	13 05 03
HH	iP	13 03 19.5
PF	iP	13 04 58
SH	iP	13 04 48.5
SJ	iP	12 57 07
	i	57 18
	i	57 19
	iS	57 28
	iL	57 47
TUC	eP	13 04 34
Feb. 18, H = 21 59 52 By PAS, 34°03' N, 116°45' W. North of Cabazon, Calif.		
BC	eP	22 00 32
	e(L)	01 08
PF	iP	22 00 40
	iL	01 35.5

Date and Station		Phase (GCT)
		h m s
Feb. 19, H = 00 55 39* 11°S, 166°E. Santa Cruz Island region.		
BC	iP	01 08 31
	ePP	12 09
COL	iP	01 08 07.5
COLU	eL	01 50 47
CHI	eL	01 48 49
HONO	eP	01 04 29
	iP	04 32
	ePcP	05 49
	ePP	06 37
	eS	11 38
	eL	18 00
HH	iP	01 08 48
	ePP	12 26
LIN	eL	01 45 26
LOG	eP	01 08 46
	i	09 01
	ePP	12 02
PHIL	eL	01 54 31
PF	iP	01 08 34.5
	ePP	12 11
SH	iP	01 08 10
	iPP	11 23
	i	11 36.5
SIT	eL	01 32 42
TUC	iP	01 08 42
	i	08 54
	ePP	12 04
	eSKS	19 06
	eL	36 21
Feb. 19		
COL	iP	01 17 09
	iS	17 43.5
Feb. 19		
BC	eP	01 26 15
	e	34 16

Date and Station		Phase (GCT)
		h m s
Feb. 19, cont.		
HH	iP	01 26 08
	e	34 05
PF	iP	01 26 16
	e	34 20
SH	e	01 25 29
Feb. 19, H = 02 26 25** Samoa Islands region. h = slightly greater than normal.		
BC	iP	02 38 13.7
COL	iP	02 38 42.5
HH	iP	02 38 46
LOG	eP	02 38 36
PF	iP	02 38 17
SH	iP	02 38 00
TUC	iP	02 38 20
Feb. 19		
HH	iP	03 03 33
Feb. 19		
HH	iP	04 31 03
Feb. 19		
BC	e	06 23 32
HH	eP	06 23 43
	i	23 49
LOG	e	06 24 43
PF	e	06 23 24
	i	23 32
TUC	e	06 22 33
Feb. 19		
HH	iP	12 37 15
	iS	37 43
Feb. 19		
COL	i	14 46 14

Date and Station		Phase (GCT)
		h m s
Feb. 19		
BC	eP	18 33 55.5
PF	eP	18 33 58
SH	e	18 33 40
TUC	eP	18 34 03
Feb. 19		
TUC	iP	18 42 06
	i	42 09
	iS	42 23
	i	42 30
	eL	42 33
Feb. 19, H = 20 22 41* 12°N, 74°W. Off coast of northern Colombia.		
BH	eP	20 24 14
	iS	25 18
BER	eL	22 00 22
BC	eP	20 30 54
	i	31 05.5
HH	iP	20 31 35.5
	i	32 45
PF	iP	20 30 49
	i	31 03
SH	iP	20 31 45
TUC	iP	20 30 18
	e	30 32
Feb. 19		
BC	e	22 30 43.5
PF	iP	22 30 46
SH	iP	22 30 20
Feb. 19		
HH	iP	22 39 07
Feb. 19		
HH	iP	22 56 49

Date and Station		Phase (GCT)
		h m s
Feb. 19		
PF	e	22 58 21
SH	e	22 56 21
Feb. 20		
HH	iP	01 06 20
SH	e	01 05 34
Feb. 20		
HH	iP	04 54 10.5
	i	54 23
	i(S)	55 16
Feb. 20, H = 05 11 24 By PAS, 34°15' N, 117°03' W. Near Big Bear Lake, Calif.		
PF	iP	05 12 22
	i	12 24
	i	13 08
Feb. 20		
BC	e	06 00 51
HH	e	06 00 11
PF	e	06 00 50
SH	e	05 59 49
Feb. 20		
BH	eP	06 52 48
	iS	53 12
Feb. 20, H = 10 11 47* 55°N, 161°E. Near east coast of Kamchatka. h = about 80 km.		
BC	iP	10 21 35
COL	iP	10 17 25.5
HH	iP	10 20 36
	i	21 51
LOG	eP	10 21 15
PF	eP	10 21 37
	iP	21 38

Date and Station		Phase (GCT)
		h m s
Feb. 20, cont.		
SH	iP	10 20 41
	i	21 52
TUC	iP	10 22 08
	epP	22 26
Feb. 20		
TUC	e	15 48 54
	eL	49 33
Feb. 20		
PF	iP	16 19 31
SH	iP	16 21 32
Feb. 20		
HH	e	18 36 18
Feb. 20		
PF	eP	18 59 54
	i	19 01 11.5
SH	iP	18 58 45
	i	59 14
Feb. 20		
COL	iP	21 43 39
	eS	43 58
Feb. 21		
LOG	e	00 06 48
	eL	07 05
Feb. 21		
SH	e	02 42 42
Feb. 21		
BC	e	10 10 57
HH	e	10 12 09.5
Feb. 21		
PF	eP	11 43 27
	iS	44 14
Feb. 21, H = 11 39 35* 8½°N, 40°W. Mid-Atlantic Ocean.		
BER	e	11 47 08
	eL	53 48

Date and Station		Phase (GCT)
		h m s
Feb. 21, cont.		
BC	eP	11 51 08
COL	iP	11 52 36
HUAN	eP	11 47 20
	eS	53 22
	eL	59 39
HH	eP	11 51 06
LOG	eP	11 50 53
PHIL	e	11 48 39
	eS	54 28
	eL	12 00 10
PF	eP	11 51 03
SJ	eL	11 50 16
SH	eP	11 50 52
	i	51 40
TUC	eP	11 50 46
	eL	12 18 32
Feb. 21		
COL	iP	16 49 27.5
HH	iP	16 51 33
Feb. 21		
COL	iP	17 02 42
	eS	03 28
HH	e	17 42 12
Feb. 21		
TUC	iP	20 19 47
	i	19 51
	i(S)	20 04
	i	20 10
	eL	20 22
Feb. 21		
TUC	iP	20 30 34
	i	30 36
	iS	30 47
	i	30 50
	eL	31 02

Date and Station		Phase (GCT)
		h m s
Feb. 21		
COL	iP	21 59 26.5
	eS	59 48
Feb. 21		
HH	e	22 36 33
Feb. 21		
PF	iP	23 24 31
Feb. 21		
COL	iP	23 25 47.5
	eS	26 07.5
Feb. 22		
COL	iP	00 01 58.5
	eS	02 16.5
Feb. 22		
COL	iP	09 07 02.5
	eS	07 16.5
HH	iP	09 17 19
Feb. 22		
BC	e	10 27 16
	e	28 03
COL	eP	10 27 39.5
HH	eP	10 27 38
PF	iP	10 27 19
	i(S)	28 06.5
SH	iP	10 27 07
	i	27 53
TUC	iP	10 27 19
	e	28 03
Feb. 22, H = 11 48 25 By PAS, 33°55' N, 116°25' W. Near Desert Hot Springs, Calif.		
BC	e	11 49 11
PF	eP	11 49 16
	iS	49 59

Date and Station		Phase (GCT) h m s
Feb. 22		
HH	e	12 24 27
Feb. 22		
HH	iP	16 17 02
SH	iP	16 16 15
Feb. 22		
BC	iP	16 58 22
HH	iP	16 57 49
PF	iP	16 58 25
Feb. 22		
TUC	iP	19 34 36
	i	34 39
	iS	34 51
	i	34 53
	eL	35 03
Feb. 22		
TUC	iP	20 29 34
	i	29 38
	i	29 51
	i	29 54
	eL	30 06
Feb. 22		
HH	eP	20 40 19
	i	40 25
Feb. 22		
TUC	iP	20 55 45
	iS	56 03
	eL	56 13
Feb. 22		
TUC	eP	21 50 27
	i	50 28
	eS	50 48
	i	50 50
	eL	51 01
Feb. 23		
BC	e	01 20 26
PF	iP	01 20 14
	e(S)	21 47.5
	i(S)	21 50

Date and Station		Phase (GCT) h m s
Feb. 23, cont.		
SH	iP	01 19 23
	i(S)	20 31
Feb. 23		
HH	iP	02 28 44
	iS	29 09
Feb. 23		
BC	iP	04 34 26
	iL	35 42
PF	iP	04 34 13
	iL	35 41
TUC	eP	04 34 06
	iS	34 35
	eL	34 52
Feb. 23		
BC	iP	05 04 58
HH	iP	05 05 33
PF	iP	05 05 02
SH	iP	05 04 47
Feb. 23		
COL	iP	06 32 24
	eS	33 20
HH	e	06 37 21
Feb. 23		
COL	iP	06 55 07.5
	eS	56 04
Feb. 23		
BC	e(P)	08 16 14
	e	16 45
	e(S)	18 03
PF	eP	08 16 15
	eS	17 46
TUC	eP	08 15 50
	i	16 01
	i	16 05
	i	16 07
	i	16 37
	iL	16 53

Date and Station		Phase (GCT) h m s
Feb. 23, H = 09 05 19* 66°N, 155°W. Northwestern Alaska.		
BC	eP	09 12 43
COL	iP	09 06 13.5
	eS	06 55
	eL	07 10
HH	eP	09 11 11
	iP	11 14
PHIL	eL	09 32 09
PF	eP	09 12 44
SH	eP	09 11 44
SIT	eL	09 12 29
Feb. 23		
COL	e	09 16 08
	e	16 34
	eL	18 16
Feb. 23		
HH	eP	11 50 15
Feb. 23		
COL	iP	14 01 25
	eS	02 22.5
Feb. 23		
PF	iP	14 50 53
	i(S)	53 03
Feb. 23, H = 15 28 28* 34½°N, 26½°E. Off southeast coast of Crete.		
COL	iP	15 40 46.5
HH	iP	15 41 33
Feb. 23, H = 16 08 07* 41°N, 84°E. Sinkiang Province, China.		

Date and Station		Phase (GCT) h m s
Feb. 23, cont.		
BER	eP	16 22 10
	e	25 09
	ePP	26 13
	e	31 15
	e(SKS)	32 50
	ePS	35 19
	i	37 00
	eL	50 00
BC	iP	16 21 59
	i	28 47
BOZ	eP	16 21 16
	e(PP)	25 25
	e(PPP)	27 23
	i(SKS)	32 04
	eS	32 19
	e(PS)	33 40
	ePSPS	39 09
	e(L)	46 15
BUT	iP	16 21 16
	e(PP)	24 39
	eS	31 58
	ePS	33 23
	e(SS)	38 21
	iSSS	41 55
	eL	46 07
CHI	eP	16 21 40
	ePP	25 34
	e	26 03
	eSKS	32 12
	ePS	34 24
	ePSPS	40 06
	eL	46 43
COL	eP	16 18 56.5
	iP	18 57
	iPcP	19 36
	i	20 19
	ePP	21 21
	eS	27 29
	iS	27 54
	iScS	28 42.5
	eSS	32 11
	eL	35 57
	e(P'P')	47 25
COLU	ePP	16 26 23
	eSKS	32 49
	eL	53 21

Date and Station		Phase (GCT) h m s
Feb. 23, cont.		
HONO	eL	17 02 27
HUAN	iP'	16 27 50
	iPP	31 04
	eSKKKS	38 14
	e	41 27
	eSS	50 10
	e	51 07
	e(SSS)	56 10
	eL	17 07 00
HH	iP	16 21 02.5
	i	21 24.5
LIN	eP	16 21 52
	eSKS	32 20
	e(SSS)	43 08
	eL	51 29
LOG	iP	16 21 33
	ePP	25 27
	e(PPP)	27 26
	eSKS	32 21
	ePS	34 33
	e(SS)	39 40
	e(SSS)	43 51
	eL	47 20
PHIL	eP	16 21 40
	ePP	25 31
	eSKS	32 10
	eSP	34 12
	ePS	34 28
	eSS	39 16
	eL	51 57
PF	iP	16 21 59
	i	23 17.5
	iPP	26 05
RC	iP	16 21 31
	iPP	26 39
	ePS	33 45
	eL	46 16
	e	55 44
SLC	eP	16 21 38
	ePP	25 36
	e	31 21
	e(SS)	39 02
	e	39 40
	eL	49 45

Date and Station		Phase (GCT) h m s
Feb. 23, cont.		
SJ	ePP	16 27 57
	e(PPP)	30 19
	iPS	37 23
	eSS	42 53
	eSSS	48 18
	eL	53 05
SH	iP	16 21 30
	iPP	25 18
SIT	iP	16 19 59
	ePPP	24 47
	iS	29 49
	eL	44 10
SEA	eP	16 21 06
	eS	31 54
	e(SKS)	32 08
	eSS	37 20
	eL	44 10
TUC	eP	16 22 19
	iPP	26 41
	ePPP	28 58
	eSKS	33 06
	e(S)	33 43
	ePS	35 54
	ePPS	36 55
	ePSPS	42 00
	e(SSS)	46 00
	eL	57 42
Feb. 23		
HUAN	eP	16 42 04
	iS	42 49
	eL	42 57
Feb. 23, H = 16 49 25** Sinkiang Province, China. Aftershock.		
COL	iP	17 00 15
HH	eP	17 02 20
PF	eP	17 03 38
SH	iP	17 03 47
Feb. 23		
COL	iP	17 28 46

Date and Station		Phase (GCT)
		h m s
Feb. 23		
COL	iP	19 25 05.5
Feb. 23, H = 20 05 22* 62°N, 154°W. Southern Alaska. Felt. h = about 100 km.		
BC	iP	20 12 08.5
	epP	18 30
COL	iP	20 06 24
	iS	07 17
	eL	08 15
HH	iP	20 10 51
PF	iP	20 12 20
SH	iP	20 11 16
TUC	iP	20 13 00
Feb. 23		
PF	iP	20 27 14
	i(S)	28 22
TUC	iP	20 26 11
	i	26 16
	iS	26 33
	eL	26 42
Feb. 23		
BC	eP	21 09 00
COL	eP	21 09 31.5
	iP	09 32
HH	eP	21 09 34
	i	09 39
PF	eP	21 09 03
SH	iP	21 08 52
TUC	eP	21 09 07
Feb. 23, H = 21 40 48 By PAS, 33°53' N, 116°20' W. Near Desert Hot Springs, Calif.		

Date and Station		Phase (GCT)
		h m s
Feb. 23, cont.		
BC	iP	21 42 17
PF	eP	21 42 22
Feb. 23		
COL	iP	21 56 13
	eS	57 19
Feb. 24		
HH	iP	02 33 55
Feb. 24, H = 02 50 30* 51°N, 169°W. Aleutian Islands region.		
BC	iP	20 58 17
COL	eP	02 54 36
HH	iP	02 57 25
PF	iP	02 58 21
SH	iP	02 57 13
TUC	eP	02 58 56
Feb. 24		
COL	iP	03 47 57.5
	eS	48 11
Feb. 24, H = 04 03 16** Sinkiang Province, China. Aftershock.		
COL	iP	04 14 07.5
HH	eP	04 16 11
	iP	16 13
SH	iP	04 16 39
Feb. 24		
COL	iP	04 37 33.5
	iS	38 31
Feb. 24		
HUAN	e	05 28 40
	e	31 29

Date and Station		Phase (GCT)
		h m s
Feb. 24, H = 05 27 59* 42°N, 84°E. Sinkiang Province, China. Aftershock.		
BC	eP	05 41 57
COL	iP	05 38 49
HUAN	eP	05 47 40
HH	iP	05 40 55
PF	iP	05 41 56
SH	iP	05 41 21
Feb. 24		
BC	e	05 59 35
PF	e	05 59 36
TUC	eP	05 59 38
Feb. 24		
BC	eP	07 14 22
	e(S)	14 38
PF	iP	07 14 31
	e(S)	14 50.5
	i	15 45
Feb. 24		
COL	iP	07 33 34.5
Feb. 24		
SH	iP	09 05 42
Feb. 24		
HH	e	09 07 30
PF	e	09 07 35
Feb. 24		
TUC	eP	09 23 37
Feb. 24, H = 10 26 20** Near coast of northern Peru. h = about 60 km.		
BC	eP	10 35 16
	i	35 24

Date and Station		Phase (GCT)
		h m s
Feb. 24, cont.		
COL	iP	10 38 41.5
HUAN	eP	10 28 47
	eS	30 30
	eL	30 48
HH	iP	10 36 15
PF	iP	10 35 13
	i	35 30
TUC	iP	10 34 38
	ipP	34 54
Feb. 24, H = 11 35 01* 12½°S, 75°W. Central Peru.		
COL	iP	11 48 16.5
HUAN	iP	11 35 21
	iS	35 28
	eL	35 37
HH	eP	11 46 07
PF	iP	11 45 10
TUC	eP	11 44 38
Feb. 24, H = 11 49 30* 41°N, 126°W. Off Cape Mendocino, Calif.		
BC	iP	11 52 01
BOZ	eL	11 56 45
BUT	eL	11 56 56
HH	iP	11 52 21
	i	53 46
LOG	eP	11 52 09
	eL	55 33
PF	iP	11 52 08
SLC	eL	11 56 08
SH	iP	11 50 18
	iS	50 55

Date and Station		Phase (GCT)
		h m s
Feb. 24, cont.		
TUC	iP	11 53 06
	e	53 30
	eL	59 07
Feb. 24		
COL	iP	18 45 47
	iS	46 23.5
Feb. 24		
TUC	iP	22 04 10
	i	04 14
	i(S)	04 46
	i	04 49
	eL	05 04
Feb. 24		
HH	eP	23 19 23
	i(S)	20 21
Feb. 24, H = 23 02 18* 30°N, 69°E. Northeastern Baluchistan.		
BC	iP'	23 21 04
COL	eL	23 48 26
PF	eP'	23 21 01
SH	eP'	23 20 05
Feb. 25		
COL	iP	01 38 07
	iS	38 40
Feb. 25, H = 02 28 05* 36½°N, 120½°W. Central California.		
BC	iP	02 29 29
	i	29 34
PHIL	eL	02 58 02
LOG	eP	02 30 11
PF	eP	02 29 23
	iL	31 00
SH	eP	02 29 06
	iP	29 08

Date and Station		Phase (GCT)
		h m s
Feb. 25, cont.		
TUC	eP	02 30 16
	eL	32 53
Feb. 25, H = 04 09 45** Philippine Islands region.		
COL	iP	04 21 45
HH	iP	04 23 09
SH	iP	04 23 34
Feb. 25		
BC	iP	05 05 48
HH	iP	05 06 03
PF	iP	05 05 51
SH	iP	05 05 26
Feb. 25, H - 06 25 45** Aleutian Islands region.		
BC	iP	06 33 57
COL	eP	06 29 56.5
HH	iP	06 32 52
PF	iP	06 33 50
Feb. 25		
BC	e	06 48 12
COL	eP	06 44 01
HH	iP	06 48 02.5
PF	iP	06 48 09.5
SH	iP	06 48 06
Feb. 25		
HH	iP	10 24 34.5
PF	eP	10 22 56
Feb. 25		
COL	iP	10 36 16
	iS	36 25.5

Date and Station		Phase (GCT) h m s
Feb. 25		
COL	iP	14 51 02.5
Feb. 25		
COL	eP	16 29 19
Feb. 25		
COL	iP	21 16 20
	iS	17 16.5
Feb. 25		
PF	iP	23 19 52
	i(S)	21 40
Feb. 25		
PF	iP	23 30 07.5
Feb. 26		
HH	iP	01 31 04
PF	iP	01 29 49.5
SH	iP	01 31 32
Feb. 26, H = 04 01 40** 35°N, 142½°E. Off east coast of Honshu.		
BC	eP	04 13 48
COL	iP	04 10 40
HH	eP	04 13 09
LOG	eP	04 13 39
PF	eP	04 13 50
SH	eP	04 13 04
TUC	eP	04 14 14
	i	14 23
	eL	57 00
Feb. 26, H = 08 30 06 By PAS, 37°20' N, 118°35' W. West of Bishop, Calif.		
Feb. 26, cont.		
BC	eP	08 31 04
	i	31 11
	i	31 18.5
	i(S)	31 54
PF	iP	08 31 08
	i	31 16.5
	i	31 20.5
	iS	31 54
SH	eP	08 31 16
	i	31 20
	i(S)	32 14.5
Feb. 26, H = 15 45 45** Ryukyu Islands region.		
BC	eP	15 59 09
	iP	59 11
COL	iP	15 56 24.5
COLU	eL	16 34 12
HH	iP	15 58 37
SH	iP	15 58 34.5
Feb. 26		
COL	eP	17 08 43
HH	e	17 10 19
SH	iP	17 08 42
Feb. 26		
TUC	iP	17 17 56
	i	17 59
	iS	18 18
	i	18 21
	eL	18 26
PF	iP	17 20 34
Feb. 26, H = 18 06 02* 66°N, 154°W. Central Alaska.		
BC	eP	18 13 22
	i	13 26.5
	e	14 00
Feb. 26, cont.		
BOZ	eL	18 22 29
BUT	eL	18 22 13
COL	eP	18 06 53
	e(S)	07 33
	eL	07 50
HH	iP	18 11 51
	eL	20 40
LIN	eL	18 27 36
PHIL	eL	18 32 28
PF	iP	18 13 24
SLC	eL	18 24 40
SEA	eL	18 19 24
SH	eP	18 12 17
TUC	eP	18 14 00
	eL	32 08
Feb. 26		
TUC	iP	19 02 02
	i	02 05
	i(S)	02 19
	eL	02 34
Feb. 26		
HH	e	20 18 59
	i	19 14
Feb. 26		
BC	eP	21 48 54
HH	iP	21 48 08
PF	iP	21 48 57
Feb. 26		
TUC	iP	22 01 41
	i	01 49
	i(S)	02 03
	i	02 09
	eL	02 17

Date and Station		Phase (GCT) h m s
Feb. 26		
HONO	iP	23 55 06
	i	55 22
	iS	55 38
	eL	56 14
Feb. 27		
BC	e	02 32 07
HH	iP	02 32 24
	i	32 53
PF	eP	02 31 35
	i	31 37
	i	32 05
Feb. 27		
BC	eP	04 25 39
HH	iP	04 24 55
PF	eP	04 25 41
	iP	25 42
SH	eP	04 25 16
	iP	25 17
Feb. 27		
PF	iP	06 20 07
SJ	e(P)	06 12 09
	i	12 22
	i(S)	12 39
	iL	12 54
TUC	eP	06 19 42
Feb. 27		
BC	eP	07 10 54
HH	i(P)	07 11 39
PF	iP	07 10 52
SH	iP	07 11 34
Feb. 27		
BC	e	00 01 48
HH	iP	00 02 27
PF	iP	00 01 53

Date and Station		Phase (GCT) h m s
Feb. 27, H = 09 55 57* 20°N, 44½°W. North Atlantic Ocean.		
BER	eP	10 00 45
	eL	05 20
BC	eP	10 06 29
COL	iP	10 07 51.5
HUAN	e	10 06 27
	eS	10 45
	eSS	13 46
	eL	20 15
HH	e	10 06 08
	e(PcP)	07 07
PF	eP	10 06 12
	iP	06 15
SJ	iP	10 00 26
	i	00 44
	e(S)	04 27
	eL	07 02
TUC	eP	10 06 00
Feb. 27, H = 10 35 25* 20°N, 45½°W. North Atlantic Ocean.		
BER	e	10 41 20
	eL	45 20
BC	eP	10 45 48
COL	eP	10 47 19
HUAN	eS	10 50 13
	eL	53 18
HH	eP	10 45 41
PF	iP	10 45 45
SJ	iP	10 39 54
	e(S)	43 45
	eL	44 42

Date and Station		Phase (GCT) h m s
Feb. 27, cont.		
TUC	e	10 45 28
	e(L)	58 00
Feb. 27		
COL	iP	12 34 22
Feb. 27		
COL	iP	13 01 35
Feb. 27, H = 13 35 48* 41½°N, 125°W. Off Cape Mendocino, Calif.		
BC	eP	13 38 09
BOZ	eL	13 42 03
BUT	eL	13 41 10
COL	eP	13 41 30
HH	iP	13 38 11
LOG	eP	13 38 12
	eL	40 57
PF	iP	13 38 14
	i	38 18.5
SH	iP	13 36 24
UK	eL	13 36 49
TUC	iP	13 39 16
	i	39 24
	eL	45 13
Feb. 27		
HH	iP	18 42 17
	i(S)	42 47
Feb. 27		
TUC	iP	20 21 41
	i	21 44
	i	21 50
	iS	22 02
	i	22 07
	eL	22 17
Feb. 27		
BC	e	21 52 45

Date and Station		Phase (GCT) h m s
Feb. 27, cont.		
COL	eP	21 53 15
HH	e	21 53 18
PF	iP	21 52 49
SH	iP	21 52 34
TUC	iP	21 52 50
Feb. 27		
BC	e	22 02 02
HH	iP	22 01 33
	i	02 52
PF	iP	22 02 07
	i	03 26
SH	iP	22 01 25
	i	01 49
	i	02 40
Feb. 27		
SH	iP	22 42 09
Feb. 28, H = 00 12 59* 57½°S, 30°W. Sandwich Islands region.		
BER	ePP	00 30 30
	eSKS	37 00
	eS	37 27
	e(PS)	39 10
	e	39 50
	eL	50 15
BC	iP'	00 31 54
BOZ	ePP	00 33 39
	eL	01 07 24
BUT	eL	01 10 19
CHI	e(L)	00 58 33
COL	iP'	00 32 51.5
	e	33 02
	e	37 04
	e	37 32.5
	e(SKKS)	43 31
Feb. 28, cont.		
COL, cont.		
	ePPS	00 49 51
	eL	01 20 27
COLU	ePP	00 31 12
	eSKS	37 23
	ePS	40 15
	eSS	45 12
	eL	53 40
HUAN	iP	00 22 47
	i(PcP)	24 03
	i	25 42
	ePPP	26 10
	iS	30 43
	eSS	34 43
	iL	36 42
HH	eP'	00 32 07
	iP'	32 22
	iSKS	39 03
	i(S)	41 51
LIN	eS	00 40 27
	eL	01 02 30
LOG	eP'	00 32 00
	eL	01 13 04
PHIL	e	00 29 18
	ePP	32 02
	e(S)	38 48
	ePS	40 39
	eSP	41 09
	eSS	45 58
	eL	54 27
PF	eP'	00 31 52.5
	e(PP)	32 52.5
SLC	eL	01 07 44
SJ	eP	00 25 29
	ePP	28 48
	e	35 18
	iS	35 46
	e(SS)	40 22
	eSSS	44 58
	eL	51 17
Feb. 28, cont.		
SH	iP'	00 32 07.5
SIT	eL	01 28 40
TUC	eP	00 27 46
	eP'	31 45
	iPP	32 23
	e	32 54
	ePS	42 07
	ePSPS	48 21
	eL	01 05 07
Feb. 28, H = 04 00 08* 15°S, 175°W. Samoa Islands region. h = about 250 km.		
BC	iP	04 11 32.5
COL	iP	04 12 04.5
	ipP	13 04
HH	iP	04 12 08
	esP	13 44
PF	iP	04 11 36
SH	iP	04 11 19
	ipP	12 28.5
TUC	iP	04 11 39
	epP	12 39
Feb. 28		
BC	iP	04 38 03
COL	iP	04 34 23
HH	iP	04 37 15
PF	iP	04 38 04
SH	iP	04 37 14
Feb. 28		
BC	e	09 05 53
HUAN	e	08 57 24
	e	57 45
	eL	59 25

Date and Station		Phase (GCT)
		h m s
Feb. 28, cont.		
HH	i	09 06 48
PF	iP	09 05 52
TUC	e	09 05 22
Feb. 28, H = 11 12 57** Sandwich Islands region. Aftershock.		
BC	eP'	11 31 55
COL	iP'	11 32 57
HH	eP'	11 32 12
	iP'	32 23
PF	eP'	11 31 52
SH	iP'	11 32 08
TUC	eP'	11 31 46
Feb. 28		
HH	iP	14 02 36
	i(S)	03 06
Mar. 1		
PF	eP	00 15 01
	iP	15 03
Mar. 1		
COL	iP	02 46 57
Mar. 1		
BC	iP	03 04 47
	e	06 40
HH	eP	03 05 19
PF	iP	03 04 50
	i	06 43
SH	iP	03 06 30
	i	06 41
TUC	iP	03 04 53
	e	06 45
Mar. 1		
COL	iP	06 38 24
	iS	38(48)

Date and Station		Phase (GCT)
		h m s
Mar. 1		
HH	e	09 17 23
Mar. 1		
COL	iP	10 23 40
Mar. 1		
HH	e	11 39 16
PF	iP	11 40 03
Mar. 1, H = 14 17 34** Central Argentina.		
BC	e	14 29 53
HH	iP	14 30 39
PF	iP	14 29 52
Mar. 1		
HH	iP	16 19 16
Mar. 1		
TUC	iP	19 09 17
	i	09 20
	iS	09 39
	i	09 43
	eL	09 47
Mar. 1		
HH	e	19 52 12
PF	eP	19 50 04
	i	51 07
Mar. 1		
COL	e	20 16 43
HH	e	20 17 27
Mar. 1		
HH	i	20 29 12
Mar. 2		
BC	eP	00 15 00
	i	15 11
COL	e	00 15 38.5
	e	15 50
HH	eP	00 15 28
	i	15 48

Date and Station		Phase (GCT)
		h m s
Mar. 2, cont.		
SH	eP	00 16 44
	i	16 46
Mar. 2		
BC	iP	02 30 14
HH	iP	02 31 03
	i	31 09
PF	eP	02 30 10
SH	iP	02 30 48
TUC	e	02 29 42
Mar. 2		
BC	eP	03 37 07
HH	e	03 27 30
	e	27 41
PF	eP	03 27 01
SJ	e	03 20 11
	e	20 14
	eS	20 30
	e	20 32
	e	20 39
	e(L)	20 40
Mar. 2		
PF	eP	04 43 06
Mar. 2, H = 06 54 31* 72½°N, 2°W. Jan Mayen Island region.		
BC	iP	07 04 59
BOZ	eL	07 18 23
BUT	eL	07 25 00
CHI	eL	07 22 17
COL	eP	07 02 22
	e	04 01
	eS	08 32
	eL	20 31
HH	iP	07 03 34

Date and Station		Phase (GCT) h m s
Mar. 2, cont.		
LOG	eP	07 04 14
	eS	12 13
	eL	27 03
PF	eP	07 04 57
SLC	eL	07 26 32
SH	iP	07 04 40
SIT	eL	07 19 38
TUC	iP	07 05 16
	i	04 31
	ePP	07 49
	e	09 30
	e(S)	14 04
	eL	29 16
UK	eL	07 31 11
Mar. 2		
BC	e	11 02 47
PF	eP	11 02 44
	i	02 46
Mar. 2, H = 19 08 47** Off southern coast of Guatemala.		
BC	iP	19 14 59
BOZ	eL	19 27 09
COL	e	19 19 24
	eL	39 10
HH	iP	19 16 21
PF	iP	19 14 56
SLC	eL	19 25 35
SEA	eL	19 31 18

Date and Station		Phase (GCT) h m s
Mar. 2, cont.		
SIT	eL	19 37 54
TUC	iP	19 14 12
	ePP	15 00
	e	17 42
	eL	21 03
Mar. 2		
BC	iP	20 28 14
HH	iP	20 29 04
PF	iP	20 28 12
Mar. 2		
HH	iP	21 32 45
	i	33 15
Mar. 3		
HH	e	00 26 30
PF	iP	00 25 55
Mar. 3		
LIN	eL	02 34 16
Mar. 3, H = 04 38 18** Off coast of southern Korea.		
BC	iP	04 51 11
	e	52 53
	e	53 36
COL	i(P)	04 48 22
HH	iP	04 50 36
	i	51 24
	eS	05 00 47
	e	01 10
PF	iP	04 51 12
SH	iP	04 50 34
	i	51 21
TUC	eP	04 51 34
Mar. 3		
HH	e	05 00 47

Date and Station		Phase (GCT) h m s
Mar. 3		
TUC	e	05 53 53
	i	54 00
	e(S)	54 26
	eL	54 59
Mar. 3, H = 05 59 34* 31°N, 113°W. Gulf of California.		
BC	eP	06 00 51
PF	eP	06 00 52
TUC	e	06 00 12.5
	i	00 31
	iS	01 12
	iL	01 31
Mar. 3		
HUAN	iP	06 40 17
	iS	40 52
	iL	41 08
HH	iP	06 50 11
PF	eP	06 48 53
SH	iP	06 50 02
TUC	eP	06 48 21
	i	48 37
	e	49 25
Mar. 3		
COL	eP	06 56 40
HH	eP	06 58 45
SH	iP	06 59 02
Mar. 3		
BC	eP	12 31 22
PF	eP	12 31 22
Mar. 3		
PF	eP	14 09 04
Mar. 3		
TUC	iP	20 48 12.5
	i	48 13.5

Date and Station		Phase (GCT) h m s
Mar. 3, cont.		
TUC, cont.	i	20 48 18
	eS	48 29.5
	i	48 35
	eL	48 44
Mar. 3		
PF	eP	22 50 39
Mar. 4, H = 01 17 03* 3½°S, 102½°E. Near southern coast of Sumatra. h = about 100 km.		
BER	e	01 48 22
	e	51 30
	eSS	02 00 00
	eL	20 10
T_L = 19 sec. $A_{max.}$ = 0.3 mm.		
BC	eP'	01 36 14
	ePP	38 40
	e	39 40
BOZ	eL	02 25 25
BUT	eL	02 33 40
CHI	eL	02 30 15
COL	eL	02 07 54
COLU	eL	02 29 20
HH	iP'	01 35 58
	i	38 55
LOG	eP'	01 36 09
	iPKS	39 32
	i	39 51
	eSKS	42 50
	ePS	48 54
PHIL	eL	02 23 33
PF	iP'	01 36 15
	iPKS	39 41
SLC	e(P')	01 36 17
	ePP	38 32
	ePKS	39 23
	eL	02 23 45

Date and Station		Phase (GCT) h m s
Mar. 4, cont.		
SJ	eL	02 42 43
SH	iP'	01 35 58
SIT	eL	02 19 48
TUC	eP	01 36 16
	iP'	36 24
	epP'	37 03
	iPP	39 56
	e	41 39
	eL	02 41 34
Mar. 4, H = 08 19 06** New Hebrides region.		
BC	iP	08 32 07
HH	eP	08 32 30
PF	iP	08 32 10
SH	iP	08 31 52
TUC	iP	08 32 16
	e	33 06
Mar. 4, H = 10 19 25* 37°N, 70°E. Hindu Kush, Afghanistan. Destructive. h = about 230 km.		
BH	eP'	10 38 08
BER	eP	10 32 55
	ipP	34 11
	i(PP)	36 58
	iPPP	39 30
	e	40 20
	eSKS	42 50
	iS	43 50
	iPS	45 48
	iSS	51 00
	eL	59 50
T_P = 4 sec. A = 0.8 mm.		
T_{SS} = 11 sec. A = 7.2 mm.		
T_L = 14 sec. $A_{max.}$ = 10.3 mm.		
T_L = 20 sec. A = 3.9 mm.		

Date and Station		Phase (GCT) h m s
Mar. 4, cont.		
BC	iP	10 33 27
	ePS	46 54
	i	48 45
	iSSS	57 00
BOZ	eP	10 32 43
	epP	33 40
	esP	34 08
	ePP	36 39
	i	37 56
	iSKS	42 56
	iS	53 35
	isS	44 40
	e	52 12
	e	57 31
	eL	11 01 48
BUT	iP	10 32 41
	epP	33 21
	iPP	36 42
	e	37 50
	i	41 40
	iSKS	43 00
	eS	43 59
	isS	44 35
	eSS	50 08
	e	52 22
	e	58 54
	eL	11 05 30
CHI	eP	10 32(45)
	iPP	36(52)
	epPP	38(03)
	i	38(36)
	i	41(47)
	iSKS	43(00)
	iS	43(55)
	ipS	44(45)
	iPS	45(36)
	e	45(55)
	e(SS)	51(21)
	i	56(11)
	iL	11 02(18)
COL	iP	10 30 44
	e	31 31
	ipP	31 55
	iPP	33 11
	epPP	34 16
	isPP	34 42
	iPPP	35 29

Date and Station		Phase (GCT) h m s
Mar. 4, cont.		
COL, cont.		
	iS	10 40 02
	e	40 19
	isS	41 00
	eSS	45 03
	eL	50 28
COLU	e	10 37 36
	ePPP	38 46
	eS	43 34
	e	44 52
	e	52 23
	eL	11 01 42
HONO	iPP	10 37 44
	i	38 58
	i	41 12
	iSKS	43 40
	iS	45 19
	e	47 37
	eSS	52 32
	esSS	53 34
	eL	11 02 13
HH	iP	10 32 28
LIN	e	10 34 21
	e(P')	37 14
	e	38 23
	iSKS	43 16
	eS	44 20
	i	44 55
	e(PS)	45 58
	eL	11 03 54
LOG	iP	10 32 58
	iPP	37 09
	i	40 24
	i	42 20
	iSKS	43 14
	i	44 57
	eSP	46 16
	eSS	51 27
	eL	11 01 11
PHIL	ePP	10 36 37
	e	37 51
	e	39 53
	eSKS	42 54
	iS	43 54
	epS	44 34

Date and Station		Phase (GCT) h m s
Mar. 4, cont.		
PHIL, cont.		
	ePS	10 45 32
	e	46 13
	e	57 07
	eL	11 02 53
PF	iP	10 33 25
	iPP	38 45
	iPPP	39 47
	iP'P'	57 06
SLC	iP	10 32 50
	i	33 08
	iPP	37 04
	epPP	37 57
	i	38 30
	e	40 30
	e	42 10
	iSKS	43 00
	iS	44 15
	iSP	45 53
	i(PS)	46 16
	e(SS)	51 40
	e	53 09
	e(L)	11 00 38
SJ	eP	10 33 43
	epP	34 51
	iPP	38 24
	e	39 41
	eSKS	44 06
	i	45 42
	eS	45 44
	e	53 08
	eSSS	58 09
	eL	11 02 36
SEA	e	10 32 35
	ePP	36 08
	epPP	36 53
	ePPP	38 26
	eSKS	42 08
	eSKKS	42 50
	eS	43 26
	i	44 26
	i	46 24
	e	50 38
	eL	11 02 25
SIT	iP	10 31 38
	i	33 02

Date and Station		Phase (GCT) h m s
Mar. 4, cont.		
SIT, cont.		
	iPP	10 34 45
	iS	41 40
	e	42 24
	isS	42 56
	iSP	43 05
	i	44 10
	eSS	46 40
	e(sSS)	48 54
	iSSS	54 00
	iL	11 00 18
SH	iP	10 32 59
	e	37 47
	eSKS	43 19
TUC	iP	10 33 44
	ipP	34 24
	isP	35 03
	iP'	37 31
	ePP	38 19
	epPPP	41 33
	iSKS	43 57
	iS	45 44
	ipS	46 44
	iPS	48 32
	eSS	53 25
	e(sSS)	55 19
	iSSS	58 50
	eL	11 09 56
UK	eP	10 33 07
	epP	34 08
	ePP	37 22
	epPP	38 19
	iSKS	43 30
	eS	44 08
	i	45 06
	e(SS)	53 12
	eL	11 02 35
Mar. 4		
SH	iP	11 17 57
	i	18 31
Mar. 4		
SH	iP	11 49 01
	e	54 02
	e	57 14

Date and Station		Phase (GCT) h m s
Mar. 4		
HH	eP	12 28 43
SH	iP	12 28 15
	i	28 16
Mar. 4		
COL	e	14 55 23
	i(S)	55 50
	eL	56 05
Mar. 4		
HH	eP	15 39 59
Mar. 4		
OV	iP	17 50 44
PF	eP	17 50 40
	i	50 43
Mar. 4		
BC	iP	19 00 06
HH	iP	19 00 37
OV	iP	19 00 08
PF	iP	19 00 09
SH	iP	18 59 52
	i	59 54
TUC	iP	19 00 11
Mar. 4		
OV	iP	23 28 08
PF	iP	23 28 08
Mar. 5, H = 01 39 11* 30°N, 140°E. Bonin Islands region.		
BC	iP	01 51 42
	i	51 49
COL	iP	01 48 49.5
	i	48 56.5
HH	iP	01 51 15
LOG	e	01 51 35
	e	51 41

Date and Station		Phase (GCT) h m s
Mar. 5, cont.		
OV	iP	01 51 42
PF	iP	01 51 43
	i	51 51
SH	eP	01 51 01
TUC	e	01 52 06
	e	52 36
	ePP	55 40
Mar. 5		
TUC	iP	15 23 13.5
	i	23 14.5
	i	23 16
	eS	23 32.5
	i	23 36
	i	23 39
	eL	23 47
Mar. 5		
SH	e	15 51 30
Mar. 5		
TUC	iP	18 34 30
	i	34 32.5
	eS	34 46
	i	34 49
	eL	34 58
Mar. 5		
COL	iP	21 49 13.0
	i	49 15.0
	i	49 18.0
	i	49 21.5
	iL	49 28
Mar. 6		
HH	iP	04 13 39
Mar. 6		
BC	iP	05 29 19
HH	iP	05 28 30
OV	e	05 29 14
	i	29 21
PF	iP	05 29 22
SH	iP	05 24 05

Date and Station		Phase (GCT) h m s
Mar. 6, cont.		
SH	iP	05 28 29
TUC	eP	05 29 47
	i	29 54
Mar. 6, H = 11 27 55** Western Sinkiang Province, China.		
COL	i	11 38 42.5
HH	iP	11 40 49
SH	iP	11 41 15
Mar. 6		
HH	eP	12 33 15
Mar. 6		
OV	eP	14 30 08
Mar. 6		
COL	e	15 14 02
Mar. 6		
HH	e	15 31 12
Mar. 6, H = 16 36 21* 30°N, 54½°E. South-central Iran.		
COL	eP	16 49 18
HH	e	16 50 45
PF	eP	16 46 28
Mar. 6		
PF	iP	17 05 05
Mar. 7		
HH	iP	01 34 59
Mar. 7		
COL	iP	04 56 31
	i	56 44
	i(S)	57 28.5
	iL	57 41
Mar. 7		
BC	iP	05 23 52

Date and Station		Phase (GCT) h m s
Mar. 7		
OV	iP	05 23 56
	i	24 13
PF	iP	05 23 56
TUC	eP	05 22 25
	i	22 30
	i	22 51
	e(S)	22 55
	i	23 09
	iL	23 23
Mar. 7		
LOG	e	06 51 06
	e	51 10
	e(S)	51 20
	eL	51 32
Mar. 7		
LOG	e	07 09 01
	e	09 09
	e	09 12
	eL	09 30
Mar. 7, H = 11 42 30** About 125 mi. east of Fairbanks, Alaska. Felt.		
BC	eP	11 49 15
BOZ	eL	11 56 20
BUT	eL	11 56 07
CHI	eL	12 03 11
COL	iP	11 43 01.5
	i	43 03
	e(S)	43 13
	iL	43 22
HH	iP	11 47 48
LIN	eL	12 01 45
LOG	eL	11 58 01
OV	iP	11 49 11
PHIL	eL	12 06 42

Date and Station		Phase (GCT) h m s
Mar. 7, cont.		
PF	eP	11 49 15
	iP	49 17
SLC	eL	11 58 05
SIT	eP	11 44 35
	eL	46 40
SEA	eL	11 53 34
SH	eP	11 48 14
TUC	e	11 49 56
	eL	12 04 14
Mar. 7		
HH	iP	13 42 19
OV	eP	13 14 21
PF	iP	13 41 52
SJ	eP	13 34 56
	e	35 08
	e(S)	35 30
	e	35 42
	eL	35 45
SH	iP	13 42 45
Mar. 7, H = 14 36 59** Santa Cruz Island region. h = about 100 km.		
BC	iP	14 49 42
COL	iP	14 49 17.5
	e	52 42
LOG	eP	14 49 58
PF	iP	14 49 39
SH	iP	14 49 20
TUC	iP	14 49 53
	eL	15 18 10
Mar. 7		
TUC	iP	17 15 19
	i	15 22

Date and Station		Phase (GCT) h m s
Mar. 7, cont.		
TUC, cont.		
	iS	17 15 35
	i	15 38
	eL	15 51
Mar. 7		
BC	iP	18 00 06
OV	eP	18 00 11
PF	iP	18 00 07
SH	iP	18 00 27
Mar. 7		
BC	e	23 42 25
	i	42 28
PF	iP	23 42 22
SH	iP	23 45 25
Mar. 8		
BC	e	04 38 16
	i	38 19
HH	iP	04 37 55
SH	iP	04 37 36
Mar. 8		
PF	iP	04 38 21
Mar. 8		
BC	e	06 49 38
HH	eP	06 50 02
	i	50 16
	i	50 18
OV	iP	06 49 52
PF	iP	06 49 52
SH	e	06 49 28
TUC	eP	06 50 01
	i	50 07
	eL	07 18 30

Date and Station		Phase (GCT) h m s
Mar. 8		
OV	iP	08 54 52
Mar. 8		
COL	e	12 38 08
Mar. 8		
BC	e	13 37 50
	e	38 41
OV	iP	13 37 47
PF	e	13 37 41
SH	e	13 37 16
	i	37 30
Mar. 8		
COL	eP	13 46 48
	eS	47 18
	eL	47 41
Mar. 8		
TUC	iP	19 05 07.5
	i	05 10
	i(S)	05 21.5
	i	05 24.5
	eL	05 38
Mar. 8		
TUC	iP	20 41 43
	i	41 48
	i(S)	42 02
	i	42 05.5
	i	42 11
	iL	42 26
Mar. 8		
COL	e	21 17 24
Mar. 8		
BC	eP	23 00 14
HH	eP	23 00 29
Mar. 8		
PF	iP	23 00 15
Mar. 8		
PF	iP	23 55 06
SH	e	23 55 21

Date and Station		Phase (GCT) h m s
Mar. 9		
COL	iP	03 59 47
Mar. 9, H = 04 21 01* 42°N, 72°E. Eastern Turkistan.		
COL	iP	04 32 10
Mar. 9		
COL	eP	05 36 29.5
Mar. 9		
COL	iP	11 15 33.5
	i	15 34
	i(S)	15 54.5
	iL	16 14
Mar. 9, H = 12 28 39 By PAS, 37.1°N, 121.3° W. Central California. Felt.		
BOZ	eL	12 34 36
BUT	e	12 31 26
	eL	34 32
CHI	eL	12 42 30
COLU	eL	12 46 22
HH	iP	12 31 26
LIN	eL	12 40 22
PHIL	eL	12 46 55
PF	iP	12 30 11
RC	eP	12 33 30
	eS	36 26
	eL	37 55
SLC	e	12 30 45
	e	31 42
	e(S)	31 54
	eL	32 25
SEA	eL	12 35 13
SH	iP	12 29 36

Date and Station		Phase (GCT) h m s
Mar. 9, cont.		
TUC	iP	12 31 03
	i	31 40
	eS	33 03
	i	33 33
	iL	33 34
UK	e	12 29 25
	i	29 35
	iS	29 58
	iL	30 12
Mar. 9		
COL	eP	13 07 26
	iP	07 27
Mar. 9		
COL	eP	15 02 16.5
Mar. 9, H = 14 55 29* 16°S, 174°W. Samoa Islands region. Felt. h = about 150 km.		
BC	iP	15 07 39
COL	iP	15 07 41.5
	i	07 52
	ipP	08 14
HH	iP	15 07 42
PF	iP	15 07 09
TUC	iP	15 07 11
	i	07 48
	i	08 10
	eL	34 13
Mar. 9		
BC	eP	16 59 49
HH	iP	16 59 46
PF	iP	16 59 53
Mar. 9		
COL	iP	17 57 12
	e	58 01
Mar. 9		
COL	e	18 33 58

Date and Station		Phase (GCT) h m s
Mar. 9		
TUC	iP	20 38 58
	i	38 59
	i	39 06
	iS	39 17
	i	39 20
	eL	39 34
Mar. 9		
PF	iP	21 30 20
SH	iP	21 30 56
Mar. 10		
SJ	iP	00 05 42
	e	05 47
	i(S)	05 53
	eL	05 59
Mar. 10		
PF	iP	01 01 49
	iS	02 31
Mar. 10		
COL	iP	02 04 00
Mar. 10		
COL	e	04 13 37
HH	eP	04 16 54
Mar. 10		
PF	eP	08 17 43
Mar. 10		
COL	eP	11 34 05
HH	iP	11 33 48
SH	iP	11 34 30
Mar. 10		
COL	e	21 38 50
HH	iP	21 39 36
PF	e	21 40 26
Mar. 11		
COL	e	02 14 12
	i	14 17.5
	i	14 57.5

Date and Station		Phase (GCT) h m s
Mar. 11, cont.		
COL, cont.		
	i(S)	02 15 25.5
	iL	15 41
HH	eP	12 17 46
	iP	17 48
Mar. 11		
COL	iP	04 08 43
HH	e	04 09 48
SH	e	04 09 57
Mar. 11		
COL	eP	05 01 18
	iP	01 21
	iS	01 42
	eL	01 52
Mar. 11		
COL	e	11 03 16
HH	e	11 06 12
Mar. 11		
PF	eP	11 33 18
Mar. 11		
OV	eP	14 55 24
Mar. 11		
HH	e	16 46 18
	i	48 33
Mar. 11		
HH	iP	18 24 51
Mar. 11		
COL	iP	18 36 37.5
	e	38 03
HH	eP	18 38 18
Mar. 11		
BC	eP	19 32 51
	i	33 24
COL	iP	19 33 42
	e	34 33
	e(PP)	34 58

Date and Station		Phase (GCT) h m s
Mar. 11, cont.		
SH	iP	19 35 04
Mar. 11		
COL	eP	20 05 59.5
	e	09 00
Mar. 11		
COL	e	20 39 38.5
	e	42 17
Mar. 11		
COL	iP	22 39 59.5
	e	43 07
HH	iP	22 42 00
Mar. 11		
HH	e	23 31 39
Mar. 12		
COL	iP	08 06 13
	i	06 16
	iS	06 26.5
	eL	06 40
Mar. 12		
COL	iP	11 53 41
	i	53 47
	e(S)	54 13.5
	e	54 21.5
	iL	54 38
Mar. 12		
BC	e	18 22 10
HH	e	18 23 49
PF	e	18 22 20
SH	e	18 23 00
Mar. 12, H = 19 27 57* 61°N, 147°W. Southern Alaska. Felt.		
BC	iP	19 34 30
CHI	eL	19 49 35

Date and Station		Phase (GCT)
		h m s
Mar. 12, cont.		
COL	eP	19 28 52.5
	iP	28 53.5
	i	29 00
	i	29 09
	eL	29 53
HH	iP	19 33 05
	i	40 20
LIN	eL	19 48 36
OV	iP	19 34 28
	i	34 51
PHIL	eL	19 53 15
PF	iP	19 34 32
SIT	eL	19 32 45
SH	iP	19 33 26
TUC	iP	19 35 12
	eL	50 05
Mar. 12		
TUC	iP	20 48 59
	i	49 06
	iS	49 21
	i	49 28
	eL	49 35
Mar. 13		
PF	iP	00 51 02
Mar. 13		
PF	eP	03 11 59
Mar. 13, H = 04 41 10** Western Peru.		
BC	eP	04 51 05
COL	eP	04 54 13
HH	iP	04 52 00
SH	iP	04 51 53
Mar. 13		
HH	iP	09 25 45

Date and Station		Phase (GCT)
		h m s
Mar. 13, cont.		
PF	e	09 25 47
SH	iP	09 24 49
Mar. 13		
COL	iP	09 43 26
HH	iP	09 41 05
OV	iP	09 40 13
PF	iP	09 40 07
TUC	iP	09 39 36
	i	40 18
Mar. 13		
COL	eP	10 14 53
	e(S)	15 32
	eL	15 49
HH	eP	10 33 58
	i	34 48
SH	i	10 33 37
Mar. 13, H = 12 21 50** Bonin Islands region.		
BC	iP	12 24 32
COL	eP	12 21 58
HH	iP	12 24 06
OV	iP	12 24 32
PF	iP	12 24 34
SH	iP	12 23 53
	e	24 33
Mar. 13		
BC	e	12 54 06
	i	54 22
COL	e	12 48 48
	eL	54 00
HH	iP	12 54 05
	i	54 38
	i	57 29

Date and Station		Phase (GCT)
		h m s
Mar. 13, cont.		
OV	iP	12 54 16
PF	eP	12 54 15
	e	56 22
SH	e	12 54 05
	i	54 14
TUC	e	12 54 31
	e	57 33
Mar. 13		
OV	eP	13 06 53
Mar. 13		
HH	iP	14 28 27
Mar. 13		
COL	eP	15 07 23.5
	i	07 28
	i	07 36
	i	07 53
	i(S)	08 43
	eL	09 34
HH	iP	15 10 00
SIT	i(S)	15 10 24
	eL	11 22
Mar. 13		
COL	e	15 27 04
	e	27 06
	e(S)	27 50
	e	28 07
	eL	28 21
Mar. 13, H = 15 55 18 By PAS, 34°58' N, 116°33'W. Near Manix, Calif.		
BC	eP	15 55 49
	iS	56 14
PF	eP	15 55 56
Mar. 13, H = 17 56 02 By PAS, 35°05'N, 117°00'W. North of Barstow, Calif.		

Date and Station		Phase (GCT)
		h m s
Mar. 13, cont.		
BC	iP	17 56 44
	iS	57 13
PF	eP	17 56 57
	iS	57 34
Mar. 13, H = 18 43 00* 21½°S, 68°W. Northwestern Argentina. h = about 120 km.		
BC	e	18 40 28
COL	eP	18 36 15
	e	37 34
HH	e	18 39 36
PF	eP	18 40 29
TUC	e	18 41 04
Mar. 13, H = 18 43 10* 21½°S, 68°W. Northwestern Argentina. h = about 200 km.		
BC	iP	18 54 20
	e	54 48
COL	eP	18 57 01
	e	57 32
	ePP	19 01 06
	ePS	10 39
HH	iP	18 55 08
LOG	iP	18 54 33
	i	55 17
	ePP	57 29
OV	iP	18 54 22
	i	55 37
PHIL	e(S)	19 01 19
	e	01 28
	eL	08 51
PF	iP	18 54 18

Date and Station		Phase (GCT)
		h m s
Mar. 13, cont.		
SJ	e(P)	18 50 26
	e	50 52
	ePP	51 22
	e	51 44
	eS	56 13
	i	57 06
	e	59 44
	eL	19 03 54
SH	iP	18 55 00
TUC	iP	18 53 49
	i	54 19
	ipP	54 37
	e	57 07
Mar. 14, H = 00 39 20** Off western Alaska Peninsula.		
BC	eP	00 46 35
BOZ	eL	00 56 43
BUT	eL	00 58 04
CHI	eL	01 03 28
COL	eP	00 42 16.5
	iP	42 17
	i	42 56.5
	iS	43 59.5
	iL	44 45
HH	iP	00 45 29
OV	eP	00 46 36
	iP	46 37
PHIL	eL	01 08 05
PF	iP	00 46 41
SIT	e	00 42 53
	eL	45 19
SH	iP	00 45 31
Mar. 14, H = 03 06 36* 52½°N, 167°W. Aleutian Islands region.		

Date and Station		Phase (GCT)
		h m s
Mar. 14, cont.		
BC	iP	03 14 19
CHI	eL	03 32 53
COL	iP	03 10 25
	e	10 50
	e	12 58
	eL	14 22
HONO	eL	03 22 28
HH	iP	03 13 20
LOG	e	03 14 00
OV	eP	03 14 15
	iP	14 16
PHIL	eL	03 37 52
PF	iP	03 14 20
SIT	iP	03 11 04
	e	11 42
	e	12 10
	e	12 51
	e	13 40
	e(S)	14 42
	eL	18 21
SH	iP	03 13 12
TUC	eP	03 14 55
	ePP	16 26
	eL	04 03 15
Mar. 14		
HH	iP	04 23 36
PF	iP	04 24 20
Mar. 14, H = 06 10 15 By BERK, 37°01'N, 121°29'W. San Benito County, Calif.		
BC	eP	06 11 38
	i	11 57
HH	eP	06 13 19

Date and Station		Phase (GCT)
		h m s
Mar. 14, cont.		
LOG	e	06 12 37
	eL	14 59
OV	eP	06 11 39
	iP	11 40
	i	11 57
PF	eP	06 11 46
SLC	eL	06 14 08
SH	iP	06 11 13
TUC	e	06 12 37.5
	e	13 27
	eS	14 23
	e	14 51
	eL	15 05
UK	e	06 11 09
	e(S)	11 37
	eL	11 52
Mar. 14		
TUC	eP	07 13 34
	e	14 05
	e	34 00
Mar. 14		
COL	eP	08 32 10
HH	e	08 33 22
Mar. 14		
COL	eP	12 17 14
	e	17 25.5
Mar. 14		
COL	eP	13 30 06
	i	30 18
	e	30 35
	iL	31 00
HH	iP	13 21 21
PF	e	13 22 17
Mar. 14		
COL	eP	15 37 46.5
	i	38 04
	e	38 12

Date and Station		Phase (GCT)
		h m s
Mar. 14, cont.		
COL, cont.		
	iS	15 38 55
	iL	39 08
Mar. 14		
HH	iP	16 07 12
Mar. 14, H = 18 54 10* Samoa Islands region.		
BC	eP	19 05 48
COL	e	19 06 23.5
HH	eP	19 06 24
OV	eP	19 05 52
PF	e	19 05 51
	i	05 53
SH	iP	19 05 35
TUC	eP	19 05 53
Mar. 14		
BC	e	19 30 38
Mar. 14		
COL	eP	23 03 41.5
	iP	03 42
	i	03 49
	i	04 01.5
	i(S)	04 38
	i	04 49
	iL	04 59
Mar. 14		
OV	e	23 09 45
Mar. 15		
COL	eP	01 44 51
Mar. 15		
PF	e	17 24 01
Mar. 15, H = 20 53 11* 45½°N, 117°W. Western Idaho. Felt.		
BC	e	20 55 02
	i	55 08
	eL	57 59

Date and Station		Phase (GCT)
		h m s
Mar. 15, cont.		
BOZ	i	20 55 13
	eL	55 21
BUT	e	20 54 05
	eS	54 33
	eL	54 41
HH	iP	20 54 09
	iS	55 02
Mar. 15		
OV	e	21 16 49
	iP	16 52
Mar. 15		
TUC	iP	21 54 42
	i	54 45
	iS	54 56
	i	54 59
	eL	55 11
Mar. 15		
OV	eP	22 48 37
	iP	48 38
Mar. 16		
COL	eP	04 01 43
Mar. 16		
HH	eP	07 04 45
OV	e	07 02 55
	i	03 13
SH	e	07 04 55
Mar. 16		
HH	iP	08 42 19
Mar. 16		
COL	iP	10 12 20
	i	12 22.5
	i	12 33
	eS	12 52.5
	e	12 57.5
	eL	13 11
Mar. 16, H = 11 57 47 By PAS, 34°56'N, 116°31'W. Near Manix, Calif.		

Date and Station		Phase (GCT) h m s
Mar. 16, cont.		
SEA	eS	22 39 07
	eL	55 40
SH	iP	22 28 11
	ePP	31 35
SIT	iP	22 27 48
	iS	38 11
	e	39 10
	ePS	40 09
	eSS	44 12
	eL	50 15
TUC	iP	22 28 53
	e	30 45
	i(PP)	32 53
	e	35 48
	e	40 15
	e(PS)	41 40
	eSSS	51 15
	e	53 36
	eL	57 04
UK	e	22 28 12
	eS	39 04
	ePS	40 15
	eL	52 08
Mar. 17		
BOZ	eL	00 32 08
SLC	eL	00 31 25
SIT	eL	00 34 10
Mar. 17		
HH	e	01 41 50
SJ	e	01 34 28
	i	35 46
	e	35 54
	e(L)	36 00
Mar. 17		
COL	iP	02 59 03
	ipP	59 33
	i	59 40.5
Mar. 17		
BC	iP	03 16 08

Date and Station		Phase (GCT) h m s
Mar. 17, cont.		
COL	iP	03 15 04
	e	20 44
HH	iP	03 16 12
PF	iP	03 16 12
SH	iP	03 15 42
TUC	e	03 16 27
Mar. 17		
HH	iP	03 44 11
SH	e	03 44 25
Mar. 17		
TUC	eP	05 52 28
Mar. 17, H = 05 49 06* 15½°S, 69½°W. Bolivia-Peru border.		
BC	iP	05 59 43
COL	e	06 02 29
HH	eP	06 00 29
	i	00 31
PF	iP	05 59 40
SH	iP	06 00 25
TUC	e	05 59 59
Mar. 17		
BC	e	07 32 38
COL	eP	07 32 02
PF	iP	07 32 41
TUC	e	07 32 45
Mar. 17		
COL	eP	08 46 28
Mar. 17		
HH	eP	14 28 19

Date and Station		Phase (GCT) h m s
Mar. 17		
HH	iP	14 49 59
Mar. 17, H = 16 06 29 By PAS, 33°25'N, 116°30'W. Clark Lake, Calif. Felt.		
BC	iP	16 07 23
	iS	07 53
PF	iP	16 07 21
	i(S)	08 16
Mar. 17		
BH	e	16 45 57
	eS	46 18
Mar. 17		
COL	eP	17 06 33
	e	09 51
Mar. 17		
HH	e	19 12 50
OV	eP	19 12 17
	iP	12 18
PF	iP	19 12 18
SH	eP	19 12 04
Mar. 17		
TUC	iP	19 47 48
	i	47 53
	e	48 03.5
	iS	48 06
	i	48 11
	eL	48 20
Mar. 17		
HH	iP	20 53 29
Mar. 17, H = 21 05 06* 6°S, 151½°E. New Britain. h = about 60 km.		
BER	ePP	21 27 20
	ePKS	28 10
	eSKKS	34 40
	e	40 10
	eSS	46 13
	eL	22 02 50

Date and Station		Phase (GCT) h m s
Mar. 16, cont.		
BC	iP	11 58 22
	iS	58 46
PF	iP	11 58 28
	i	59 06
Mar. 16		
COL	eP	14 58 03.5
	iP	58 04
	i	58 18
	e(S)	58 32
	i	58 43
	eL	58 55
Mar. 16		
COL	eP	15 09 48.5
	e	10 02
	eS	10 24
	e	10 28
	e	10 34
	iL	10 44
HH	iP	15 13 59
PF	iP	15 15 29
SH	iP	15 14 43
TUC	e	15 15 57
Mar. 16		
COL	iP	15 20 25.5
	i	20 38
	iS	20 52
	i	21 16
	i(L)	21 22
Mar. 16, H = 18 00 27 By PAS, 33°17' N, 116°02'W. West of Salton Sea, Calif.		
BC	iP	18 01 26
	iS	02 06
COL	eP	18 57 29
	iP	57 32.5
	i	57 35.5
	iS	57 52
	i	57 56
	i	58 01.5
	eL	58 22

Date and Station		Phase (GCT) h m s
Mar. 16, cont.		
PF	iP	18 01 23
	e	01 36
	iL	02 22
TUC	e	18 01 37
	i	01 54
	e(S)	02 10
	eL	02 52
Mar. 16, H = 22 15 08* 6°S, 151½°E. New Britain region. h = about 60 km.		
BER	ePP	22 37 18
	e	38 13
	eSKSP	48 00
	eSS	55 29
	e	55 55
	eL	23 12 32
T_{SS} = 14 sec. A = 0.4 mm. T_L = 20 sec. $A_{max.}$ = 3.2 mm.		
BC	iP	22 28 38
	iPP	32 21
BOZ	eS	22 39 33
	eSSS	51 09
	eL	58 23
BUT	eSKS	22 39 23
	eS	39 45
	eL	56 20
CHI	eSKS	22 40 42
	eSS	50 45
	eL	23 04 24
COL	iP	22 27 31.5
	e(PP)	30 35
	e	32 10
	iS	37 41
	i	38 57
	eSS	43 09
	eL	52 28
COLU	eL	23 09 42
HONO	eP	22 24 56
	iP	25 03

Date and Station		Phase (GCT) h m s
Mar. 16, cont.		
HONO, cont.		
	iS	22 32 36
	eScS	35 05
	eL	38 52
T_S = 7.0 sec. A = 1.9 mm. T_L = 19.0 sec. A = 3.9 mm.		
HH	iP	22 28 41
	iP'P'	53 36
LIN	eL	23 09 24
LOG	iP	22 28 45
	ePP	32 39
	eSKS	39 21
	i	39 43
	eSS	46 59
	eL	59 53
PHIL	ePKS	22 37 24
	e	37 25
	eSKKS	43 02
	ePPS	47 33
	eSS	52 58
	eSSS	57 29
	eL	23 08 05
PF	iP	22 28 41
	iPP	32 32
	i	34 01
	iP'P'	53 41
SLC	e	22 29 30
	ePP	32 42
	eS	39 03
	e	39 18
	ePS	40 09
	eSS	41 06
	eSSS	45 02
	eL	56 00
SJ	eP'	22 34 42
	e	35 16
	ePP	37 38
	i	38 18
	eSKS	41 42
	e	49 35
	e	51 10
	eSS	55 17
	eL	23 14 50

Date and Station		Phase (GCT)
		h m s
Mar. 17, cont.		
BER, cont.		
T_L = 19 sec. $A_{max.}$ = 2.3 mm.		
BC	iP	21 18 36
	i	21 31
	eSKS	29 16
	eP'P'	43 33
BOZ	iSKS	21 29 53
	iS	30 42
	eL	46 23
BUT	eS	21 29 43
	e	35 12
	eL	46 18
CHI	e	21 31 00
	eL	52 40
COL	iP	21 17 29.5
	i	17 42
	ePP	20 38
	eS	27 33
COLU	eL	22 00 37
HONO	iS	21 22 34
	e	23 10
	eL	30 43
HH	iP	21 18 39
	ePP	22 21
	eSS	35 53
	e	43 16
	eP'P'	43 35
LIN	i	22 08 31
	eL	12 50
LOG	e	21 18 39
	e	22 06
	iSKS	29 46
	ePKKP	35 26
	eSS	41 03
	eL	50 27
PHIL	ePP	21 26 05
	eSKS	31 30
	e	37 33
	eSS	42 58
	eL	58 30

Date and Station		Phase (GCT)
		h m s
Mar. 17, cont.		
PF	iP	21 18 39
	iPP	22 31
	eS	29 25
	eP'P'	43 19
RC	eP	21 19 15
	e	23 50
	iS	31 16
	e	31 57
	e	43 40
	eL	54 49
SJ	eP'	21 24 40
	ePP	27 37
	e	28 15
	e	44 23
	eL	22 02 18
SLC	iS	21 29 23
	ePS	31 15
	eL	45 42
SEA	e(S)	21 28 05
	e	29 08
	eL	47 19
SIT	iP	21 17 46
	eS	28 07
	i	28 33
	i	29 31
	e(L)	40 33
SH	iP	21 18 09
	i	21 32
TUC	iP	21 18 51
	iPP	22 50
	e	26 32
	eSP	31 36
	ePKKP	35 13
	eSSS	40 26
	eL	47 00
UK	eS	21 28 50
	e	29 12
	e	30 17
	e(SS)	34 12
	eL	45 44
Mar. 17		
BC	e	23 07 41

Date and Station		Phase (GCT)
		h m s
Mar. 17, cont.		
COL	iP	23 06 32
	e	06 48
HH	iP	23 07 45
OV	eP	23 07 47
PF	eP	23 07 46
SH	iP	23 07 18
SIT	eL	23 31 25
Mar. 18		
PF	iP	00 35 24
Mar. 18, H = 01 55 12 By PAS, 34°56'N, 116°31'W. Near Manix, Calif.		
BC	iP	01 55 45
	iS	56 09
PF	iP	01 55 51
	i	55 57
	iS	56 28
Mar. 18, H = 03 24 22* 43½°N, 147°E. Kurile Islands region.		
BC	iP	03 35 47
COL	iP	03 32 12
	eS	37 22
	eL	40 27
HH	iP	03 35 01
OV	iP	03 35 46
PF	iP	03 35 49
SH	iP	03 34 57
TUC	eP	03 36 15
	e	36 30
Mar. 18		
HH	e	04 03 49

Date and Station		Phase (GCT)
		h m s
Mar. 18, H = 05 02 28 By PAS, 34°52'N, 116°39'W. Near Newberry, Calif.		
BC	iP	05 02 39
	eS	03 31
PF	eP	05 03 11
	i	03 17
	iS	03 50
Mar. 18 OV	e	07 58 20
PF	eP	07 58 12
	i	58 18
Mar. 18, H = 08 37 45 By PAS, 33°38'N, 116°02'W. Near Thermal		
BC	iP	08 38 32
	iS	39 03
PF	iP	08 39 18
OV	iP	08 38 42
Mar. 18 LOG	eP	11 25 32
Mar. 18 COL	iP	14 34 50
	iL	36 29
Mar. 18 TUC	iP	17 13 40.5
	i	13 41
	i	13 48
	iS	14 02
	i	14 06
	eL	14 22
Mar. 18 COL	eP	17 51 18
Mar. 18 OV	iP	21 06 03
Mar. 19 BC	e	01 16 10

Date and Station		Phase (GCT)
		h m s
Mar. 19, cont. COL	eP	01 13 43.5
	iP	13 44.5
	e	14 31
HH	iP	01 15 53
	i	26 00
	i	06 36
PF	e	01 16 13
	i	16 32
SH	iP	01 15 52
TUC	eP'	01 21 02
Mar. 19 BC	e	03 35 14
PF	e	03 35 16
	e	35 24
Mar. 19 BH	iP	03 41 07
	iS	41 30
Mar. 19 COL	eP	06 13 44
Mar. 19 COL	iP	08 07 03
	i	07 08.5
	e	07 22
	eS	07 43
	iS	07 48
	i	08 00
	eL	08 18
Mar. 19 HH	iP	08 33 50
Mar. 19 OV	iP	11 33 14
PF	iP	11 33 13
SH	iP	11 33 00
TUC	eP	11 29 51
Mar. 19 PF	e	11 54 52

Date and Station		Phase (GCT)
		h m s
Mar. 19, cont. SH	i	11 55 21
Mar. 19 BC	e	13 37 00
HH	e	13 37 06
OV	iP	13 37 03
PF	iP	13 37 02
SH	i	13 37 46
TUC	iP	13 37 08
Mar. 19, H = 14 50 15* 18°S, 173°W. Tonga Islands region.		
BC	eP	15 02 08
COL	iP	15 02 51
	e	04 59
HH	iP	15 02 47
OV	iP	15 02 11
PF	iP	15 02 11
TUC	eP	15 02 13
Mar. 19 OV	eP	15 32 16
Mar. 19 COL	iP	17 32 01.5
	i(S)	32 19.5
	iL	32 32.5
Mar. 19 HH	eP	17 54 54
Mar. 19, H = 18 19 22* 30½°N, 130°E. Off southwest coast of Kyushu, Japan. h = about 150 km.		
BC	eP	18 32 07
	epP	32 46

Date and Station		Phase (GCT) h m s
Mar. 19, cont.		
COL	iP	18 29 08
	i	29 20
	ipP	29 44.5
	eS	37 00
	esS	38 37
	eL	46 21
HH	iP	18 31 30
	epP	32 09
	eS	41 33
	i	49 58
OV	iP	18 32 07
	i	32 46
PF	eP	18 32 07
	i	32 09
	ipP	32 48
SH	iP	18 31 29
	epP	32 07
TUC	iP	18 32 30
	ipP	33 09
	e	35 49
Mar. 19		
OV	iP	23 10 18
Mar. 19		
HH	eP	23 43 37
Mar. 20		
COL	iP	05 27 32
	i	27 36.5
	iS	27 41.5
	i	27 45.5
	eL	27 51
Mar. 20		
COL	e	06 30 55
HH	e	06 37 25
Mar. 20		
COL	eP	11 59 26.5
	i	59 35.5
HH	iP	12 01 34

Date and Station		Phase (GCT) h m s
Mar. 20		
COL	eP	13 22 07
HH	iP	13 23 17
Mar. 20		
COL	eP	14 45 13.5
HH	eP	14 45 09
Mar. 20		
OV	i	16 49 19
Mar. 20		
HH	e	17 20 06
	i	20 20
Mar. 20		
OV	e	18 12 51
	i	30 05
Mar. 20		
HH	iP	18 48 43
Mar. 20		
COL	iP	19 19 14.5
	eL	24 21
HH	iP	19 22 19
	iPP	24 02
PF	iP	19 23 17
	i	24 42
SH	iP	19 22 14
	i	22 57
TUC	eP	19 23 51
Mar. 20, H = 19 34 50 By PAS, 35°08'N, 117°15'W. Northeast of Barstow, Calif. Felt.		
BC	iP	19 35 23
	i	35 27
HH	eP	19 38 05
OV	iP	19 35 31
	i	35 35

Date and Station		Phase (GCT) h m s
Mar. 20, cont.		
PF	eP	19 35 28
	iP	35 32
SH	iP	19 36 52
	i	37 53
	iL	38 18
TUC	iP	19 36 16
	i	36 28
	i	36 39
	i	36 46
	iS	37 25
	i	37 51
	eL	38 02
Mar. 20		
COL	iP	16 03 09
	i	03 15.5
	i	03 22
	i(S)	03 55.5
	i	03 59
	eL	04 07.5
Mar. 20		
COL	iL	20 50 30
Mar. 20		
HH	e	23 07 04
OV	i	23 06 31
PF	e	23 06 27
SH	iP	23 07 12
Mar. 21		
HH	eP	00 40 05
Mar. 21		
OV	i	02 57 21
Mar. 21		
COL	iP	03 13 30.5
	eS	13 39
	iS	13 40.5
	iL	13 45
Mar. 21, H = 05 49 24 By PAS, 34°12'N, 116°07'W. Near Twenty-nine Palms, Calif.		

Date and Station		Phase (GCT) h m s
Mar. 21, cont.		
BC	iP	05 49 55
	i(S)	50 25
PF	iP	05 50 04
	iS	50 43
Mar. 21		
HH	iP	08 33 12
OV	e	08 32 32
	e	32 42
	i	34 28
	i	34 40
PF	iP	08 32 40
	i	34 36
SH	iP	08 31 04
Mar. 21		
BC	e	10 35 53
PF	e	10 35 53
Mar. 21		
HH	e	10 59 14
	i	59 18
OV	iP	10 57 11
PF	e	10 57 01
TUC	e	10 56 02
	e	58 44
	eL	59 12
Mar. 21, H = 11 20 59** Off west coast of Vancouver Island, B. C.		
COL	eP	11 25 23.5
	iP	25 26
	e	27 54.5
HH	eP	11 23 22
OV	iP	11 24 50
PF	eP	11 24 56
	i	24 57

Date and Station		Phase (GCT) h m s
Mar. 21, cont.		
SH	iP	11 23 15
TUC	eP	11 25 51
	e	26 30
Mar. 21		
COL	eP	11 43 11.5
	ipP	43 20
Mar. 21		
COL	eP	14 36 10.5
	eL	37 06.5
Mar. 21, H = 15 17 29** Off coast of northern Chile.		
BC	e	15 28 48
	i	28 53
HH	iP	15 29 43
OV	eP	15 28 55
	i	29 33
PF	iP	15 28 51
TUC	eP	15 28 23
Mar. 21		
HH	eP	17 19 30
Mar. 21		
BC	iP	17 25 34
HH	i	17 27 10
OV	eP	17 25 35
PF	iP	17 25 31
TUC	e	17 29 41
	e	30 04
	e	31 27
Mar. 21		
PF	e	19 23 46
Mar. 21		
COL	iP	22 05 47
	i	05 53

Date and Station		Phase (GCT) h m s
Mar. 21, cont.		
COL, cont.		
	i	22 05 59
	i(S)	06 48
	i	07 00
	iL	08 22
Mar. 22		
COL	iP	00 12 15
HH	iP	00 15 04
PF	iP	00 15 54
Mar. 22		
OV	i	00 39 47
	i	40 01
	i	40 18
Mar. 22		
HH	iP	01 05 45
OV	iP	01 04 58
PF	e	01 05 53
SH	eP	01 05 36
Mar. 22		
BC	e	02 42 19
HH	e	02 42 53
Mar. 22		
BC	iP	12 49 19
COL	iP	12 49 56.5
	e	51 10
HH	iP	12 49 53
OV	iP	12 48 57
PF	iP	12 49 23
SH	iP	12 49 04
Mar. 22		
HH	e	17 39 36

Date and Station		Phase (GCT)
		h m s
Mar. 22, H = 18 55 39* 24°S, 113½°W. Easter Island region.		
BC	eP	19 06 01
HH	e	19 07 16
	i	07 20
LOG	e	19 06 41
OV	e	19 06 05
PF	iP	19 06 01
SH	iP	19 06 35
TUC	eP	19 06 34
	e	06 43
Mar. 22		
BC	e	19 36 14
PF	eP	19 35 53
Mar. 22		
BC	iP	20 05 03
	epP	05 38
HH	iP	20 05 52
	epP	06 18
	i	06 29
	ePP	34 07
LOG	eP	20 05 16
	e	05 53
OV	iP	20 05 05
PF	iP	20 05 02
	epP	05 38
SH	iP	20 05 43
	epP	06 21
TUC	iP	20 04 34
	ipP	05 10
Mar. 23		
TUC	e	02 48 32
	e	50 10

Date and Station		Phase (GCT)
		h m s
Mar. 23		
HH	iP	04 16 42
SH	iP	04 16 30
	epP	17 04
Mar. 23		
HH	eP	04 40 32
	e(S)	41 39
SH	i	04 41 42
Mar. 23, H = 06 36 32* 3°S, 143½°E. Off north coast of New Guinea.		
COL	iP	06 49 02.5
	ePP	52 16
	ePPP	54 14
HH	eP	06 50 21
	e	53 46
	e	59 30
SH	eP	06 49 58
TUC	eL	07 27 11
Mar. 23, H = 09 30 06* 19°N, 69½°W. Near east coast of Dominican Republic. h = about 60 km. Felt.		
BER	eL	09 37 05
HH	eP	09 27 59
PF	eP	09 27 51
SJ	iP	09 30 54
	iS	31 10
	eL	31 16
Mar. 23		
BC	iP	09 38 24
COL	eP	09 41 16
	e	43 55
HH	iP	09 38 45

Date and Station		Phase (GCT)
		h m s
Mar. 23, cont.		
LOG	eP	09 38 13
OV	iP	09 38 23
PHIL	eP	09 35 06
	e(S)	39 09
	eL	41 04
PF	iP	09 38 19
TUC	eP	09 37 53
Mar. 23		
COL	iP	09 59 24.5
HH	iP	10 02 08
PF	e	10 03 01
SH	iP	10 02 10
Mar. 23		
HH	e	14 27 56
Mar. 23		
TUC	iP	18 00 23
	i	00 31
	iS	00 36
	i	00 44
	i	00 48
	eL	00 53
Mar. 23		
HH	eP	22 54 33
	eS	55 23
Mar. 23		
COL	iP	23 16 47.5
Mar. 23		
COL	eP	23 45 26.5
Mar. 24		
HH	eP	02 13 27
	i	13 44
	i	13 54
Mar. 24		
BC	eP	05 15 34
	e	15 39

Date and Station		Phase (GCT) h m s
Mar. 24, cont.		
COL	iP	05 13 28
	i	13 53
HH	iP	05 15 40
	e	19 38
SH	iP	05 15 12
	e	18 58
Mar. 24		
SH	iP	09 39 12
Mar. 24		
COL	iP	11 48 48
Mar. 24, H = 17 09 55* 44½°N, 111°W. Montana-Wyoming-Idaho border.		
BUT	iP	17 10 21
	iS	10 41
	iL	11 02
HH	iP	17 10 55
	i	11 06
	iS	11 54
OV	eP	17 12 17
PF	eP	17 12 08
	i	12 35
	i	12 40
	eL	14 34
SLC	e	17 10 57
	e(S)	11 43
	eL	12 05
TUC	eL	17 13 38
Mar. 24		
TUC	iP	19 02 49
	i	02 51.5
	eS	03 03
	i	03 05
	eL	03 20
Mar. 24		
HH	e	19 45 12
PF	e	19 45 27

Date and Station		Phase (GCT) h m s
Mar. 24, cont.		
SH	e	19 45 19
Mar. 24, H = 20 56 54* 41½°N, 125½°W. Off Cape Mendocino, Calif. Felt.		
BER	eP	21 05 50
	ePP	07 41
	eS	12 55
	eSS	16 25
	eL	19 10
T_P = 9 sec. A = 0.4 mm.		
T_{PP} = 8 sec. A = 0.8 mm.		
T_S = 11 sec. A = 1.1 mm.		
T_L = 15 sec. $A_{max.}$ = 5.6 mm.		
BC	eP	20 59 27
	i	59 29
	iS	21 01 13
BUT	eP	20 59 25
	e	21 00 51
	eS	01 35
	iL	02 10
BOZ	eP	20 59 38
	e	21 00 52
	i	01 07
	iS	01 57
	iL	02 48
CHI	eP	21 02 52
	ePP	03 42
	eS	07 36
	eL	10 42
COL	iP	21 02 31.5
	e	03 55
	e	03 59
	eS	07 17
	eL	08 37
COLU	e	21 09 36
	eL	11 50
HONO	eS	21 08 48
	eL	10 50
T_L = 7.6 sec. $A_{max.}$ = 36.2 mm.		

Date and Station		Phase (GCT) h m s
Mar. 24, cont.		
HH	eP	20 59 25
	i	59 27
	eS	21 01 35
	eL	02 18
LIN	iP	21 01 49
	eL	06 05
PHIL	eP	21 04 10
	ePP	05 35
	eS	09 57
	eL	12 52
PF	iP	20 59 34
	eL	21 01 21
RC	iP	21 00 48
	i	01 05
	e	02 10
	eS	03 12
	eL	03 56
SLC	eP	20 59 15
	e	21 00 11
	e(S)	01 13
	eL	01 42
SJ	eP	21 06 35
	ePP	08 31
	ePPP	09 40
	eS	14 12
	e	14 34
	e(SS)	18 19
	eL	24 20
SEA	eP	20 58 35
	eS	59 41
	eL	21 00 41
SIT	iP	21 00 46
	iS	04 05
	iL	04 45
TUC	eP	21 00 33
	iP	00 34
	i	00 56
	i	01 17
	e	01 57
	e(S)	03 41
	e	04 33
	eL	04 43

Date and Station		Phase (GCT) h m s
Mar. 24, cont.		
UK	e	20 57 42
	i(S)	57 52
	iL	58 07
Mar. 24		
PF	iP	21 18 36
Mar. 24		
HH	eP	21 43 26
PF	iP	21 41 55
TUC	eP	21 44 33
	i	44 51
Mar. 24		
OV	eP	23 04 18
	i	06 08
Mar. 24		
HH	iP	23 47 59
OV	iP	23 47 17
TUC	eP	23 46 44
Mar. 25, H = 00 35 18** Cape Mendocino, Calif. aftershock.		
BC	eP	00 37 29
BUT	eL	00 40 36
HH	eP	00 37 52
OV	iP	00 37 53
PF	eP	00 37 57
RC	i	00 40 13
	e	41 05
SLC	eL	00 41 19
TUC	eP	00 38 58
	e	39 26
	e	39 51
Mar. 25, H = 02 06 42** Cape Mendocino, Calif. aftershock.		
Mar. 25, cont.		
PF	iP	02 09 25
SLC	eL	02 31 48
TUC	e	02 10 18
	i	10 40
Mar. 25		
HH	iP	02 52 18
Mar. 25		
BH	iP	12 25 50
	iS	26 21
Mar. 25		
COL	e	17 01 07.5
	i	01 26
	eS	01 59
	eL	02 19
Mar. 25		
BC	e	23 10 28
Mar. 26, H = 02 28 05* 25°N, 109½°W. Gulf of California.		
BC	eP	02 31 56
	i	31 58
	eL	34 27
BOZ	eL	02 39 24
BUT	e	02 32 51
	eL	40 14
CHI	eL	02 40 32
HH	iP	02 33 13
LIN	eL	02 38 01
LOG	eP	02 32 00
	i	32 20
	eS	35 17
	eL	37 18
OV	iP	02 31 03
	i	35 17
PHIL	eL	02 45 20
Mar. 26, cont.		
PF	iP	02 31 54
	e	33 30
	iL	34 03
TUC	iP	02 29 51
	i	30 09
	i	30 21
	i	30 57
	iS	31 25
	iL	31 45
Mar. 26, H = 05 04 27** Gulf of California aftershock.		
BC	eP	05 07 18
HH	eP	05 09 35
PF	eP	05 07 16
	e	10 46
SH	e	05 09 06
TUC	iP	05 06 13
	i	06 28
	i	06 38
	e	06 44
	eS	07 23
	eL	08 19
Mar. 26		
COL	e	07 10 13
Mar. 26		
COL	iP	07 32 38
	i	32 40
	iL	33 43
Mar. 26		
HH	eP	12 20 17
Mar. 26		
HH	eP	12 32 36
PF	eP	12 31 30
SH	e	12 32 26
Mar. 26		
BC	e	13 54 28

Date and Station		Phase (GCT) h m s
Mar. 26, cont.		
PF	e	13 54 16
	i	54 25
Mar. 26		
COL	eP	15 21 44.5
HH	eP	15 24 06
PF	e	15 23 52
Mar. 26, H = 16 24 31** Pacific Ocean, off southern coast of Mexico.		
BC	iP	16 30 30
	epP	30 38
COL	eP	16 35 02.5
	i	35 11
HH	eP	16 31 53
	e	42 01
PF	eP	16 30 24
	i	30 26
	i	30 32
	eL	38 27
TUC	iP	16 29 40
	i	29 46
	e	30 28
	eL	35 44
Mar. 26		
COL	iP	17 09 48
	i	09 56
	eS	10 19
	eL	10 41
Mar. 26		
TUC	iP	17 23 28.5
	i	23 30
	i	23 33
	eS	23 46.5
	i	23 54
	eL	24 11
Mar. 26, H = 19 13 47 By PAS, 35°40'N, 118°20'W. Near Walker Pass, Calif.		
Mar. 26, cont.		
BC	eP	19 14 38
	eS	15 13
Mar. 27		
BC	iP	02 20 59
COL	eP	02 20 54
OV	eP	02 21 01
	iP	21 02
PF	iP	02 21 02
TUC	iP	02 21 07
	e	21 23
Mar. 27		
OV	eP	05 24 56
	iP	24 57
Mar. 27, H = 06 33 55* 3°N, 128½°E. Molucca Passage.		
BER	eP'	06 53 38
	ePP	56 45
	e(SKS)	07 00 12
	e	04 05
	e	08 25
	eSS	15 30
	e	21 00
	eL	33 50
T_{SS} = 12 sec. A = 1.6 mm. T_L = 17 sec. $A_{max.}$ = 1.6 mm.		
BC	eP	06 48 33
	ipP	48 57
	eP'	52 31
	iPP	52 49
	e	07 02 49
	e	03 43
BOZ	e	06 50 48
	eS	07 00 50
	eL	19 03
BUT	e	06 53 04
	e	07 11 32
	eL	25 57
Mar. 27, cont.		
CHI	ePP	06 55 02
	e(S)	07 03 05
	ePS	04 40
	e	06 05
	eSS	11 48
	eL	27 52
COL	iP	06 46 36
	i	48 38
	i	49 36
	iS	56 55
	e	07 00 40
	eL	10 30
COLU	ePP	06 56 50
	e	07 07 14
	eSS	12 50
	eL	30 55
HONO	eP	06 45 48
	i	46 00
	i	46 39
	e	51 12
	eS	55 15
	e	56 08
	e	07 01 18
	eL	08 26
T_S = 6.2 sec. A = 2.3 mm. T_L = 19.0 sec. $A_{max.}$ = 5.8 mm.		
HH	eP	06 48 15
	i	48 28
	ePP	52 20
	ePS	07 02 10
LIN	eL	07 27 34
LOG	eP'	06 52 18
	ePP	55 15
	e	56 01
	e	07 01 01
	ePS	02 32
	e	10 09
	e	15 06
	e	15 23
	eL	20 47
PHIL	ePP	06 55 33
	iPKS	56 43
	eSKS	07 00 38

Date and Station		Phase (GCT) h m s
Mar. 27, cont.		
PHIL, cont.		
	e	07 02 36
	eSP	05 45
	eSS	13 12
	eL	28 50
PF	eP	06 48 19
	e	48 35
	e	52 49
	ePS	07 02 53
RC	ePP	06 53 36
	e	54 54
	ePPP	56 13
	e	07 02 36
	e	04 10
	eSSS	14 18
SLC	ePP	06 53 06
	ePPP	55 30
	i	55 52
	eS	07 00 14
	eSP	02 20
	eL	19 10
SJ	eP'	06 53 49
	i	55 16
	i	56 06
	iPP	58 14
	e	58 48
	e(SKS)	07 01 02
	e	12 08
	eSS	17 12
	e(SSS)	23 41
	eL	46 08
SEA	eL	07 21 45
SIT	iS	06 58 21
	eL	07 15 47
TUC	e(P)	06 49 00
	iP'	52 43
	i	53 04
	ePP	53 36
	iPP	53 58
	e(SKS)	59 26
	e	59 40
	eS	07 00 46
	ePS	02 38
	eSS	09 20
	eSSS	13 16
	eL	21 00

Date and Station		Phase (GCT) h m s
Mar. 27, cont.		
UK	e	06 54 09
	e(PS)	07 01 33
	eL	21 20
Mar. 27, H = 11 45 29** New Britain region. h = about 100 km.		
BC	eP	11 58 57
	i	59 11
COL	eP	11 57 54
	i	58 06
HH	eP	11 58 58
	i	59 02
OV	eP	11 58 59
	iP	59 00
PF	eP	11 58 58
	e	58 59
	e	59 14
TUC	e	11 59 14
	eL	12 31 16
Mar. 27		
COL	eP	16 19 53
TUC	iP	17 27 52
	i(S)	28 10
	i	28 14
	eL	28 35
Mar. 27		
HH	e	20 48 40
	e	48 45
OV	e	20 52 54
TUC	eL	21 33 30
Mar. 27		
COL	iP	22 15 57
	i	16 02
	iS	16 45
	i	17 14
	iL	17 48
HH	e	22 20 54
	e	21 01

Date and Station		Phase (GCT) h m s
Mar. 28		
COL	e	06 47 40
HH	iP	06 45 13
PF	iP	06 49 31
SH	i	06 44 26
Mar. 28		
COL	iP	10 33 13
	i	33 15
	i	33 45
	iL	34 34
TUC	e	10 36 54
Mar. 28, H = 12 50 31** Near west coast of Mindoro Island, P. I.		
BC	eP	13 05 39
COL	eP	13 02 37
HH	eP	13 04 28
OV	e	13 09 37
	i	09 38
PF	e	13 09 25
TUC	ePP	13 09 57
	e	10 21
	eL	46 36
Mar. 28		
HH	eP	13 20 32
	i	20 33
PF	eP	13 20 50
Mar. 28		
OV	e	15 49 00
	i	49 01
Mar. 28, H = 16 20 53** Cape Mendocino, Calif. foreshock.		
BC	eP	16 32 58

Date and Station		Phase (GCT) h m s
Mar. 28, cont.		
HH	eP	16 22 49
PF	iP	16 22 54
SLC	eL	16 27 22
SH	eP	16 21 05
TUC	e	16 24 01
	e	25 19
	e(L)	29 46
UK	e	16 19 11
	eL	22 15
Mar. 28, H = 16 26 05** Cape Mendocino, Calif. foreshock.		
BC	eP	16 28 38
	i	28 56
COL	e	16 30 55
HH	iP	16 29 35
PF	iP	16 28 50
SH	iP	16 26 55
Mar. 28		
BC	e	16 38 05
	i	38 09
	i	38 53
PF	e	16 38 20
SH	iP	16 30 32
Mar. 28		
HH	eP	16 47 57
SH	iP	16 46 11
TUC	e	16 48 54
	e(L)	49 02
Mar. 28		
SH	iP	16 59 24
Mar. 28		
HH	e	17 11 46

Date and Station		Phase (GCT) h m s
Mar. 28, cont.		
SH	iP	17 10 03
Mar. 28, H = 18 29 39** Cape Mendocino, Calif. foreshock.		
HH	eP	18 32 13
	i	37 28
OV	e	18 32 19
PF	eP	18 32 23
SLC	eL	18 36 10
SH	eP	18 30 29
TUC	e	18 33 22
UK	e	18 31 26
	eL	50 06
Mar. 28		
HH	e	18 50 41
	e	50 49
PF	eP	18 50 46
SH	eP	18 48 56
	i	49 00
Mar. 28, H = 19 05 08** Cape Mendocino, Calif. foreshock.		
HH	eP	19 08 33
PF	eP	19 08 42
RC	iP	19 10 02
SH	iP	19 06 48
TUC	iP	19 09 41
Mar. 28		
COL	iP	19 35 11
	i	35 27
Mar. 28, H = 19 39 06** Cape Mendocino, Calif. foreshock.		

Date and Station		Phase (GCT) h m s
Mar. 28, cont.		
BC	eP	19 41 46
COL	eP	19 44 42
HH	eP	19 41 37
LOG	e	19 41 43
	e	46 00
	e(S)	46 18
	eL	49 12
OV	eP	19 41 44
	e	45 54
PF	iP	19 41 51
SH	eP	19 39 56
TUC	e	19 42 55
UK	eL	19 40 18
Mar. 28, H = 19 43 16* 42°N, 126°W. Off Cape Mendocino, Calif.		
BC	eP	19 46 01
BOZ	e	19 46 21
	eL	49 49
BUT	eL	19 49 48
CHI	eL	20 00 37
COL	eP	19 48 50
HH	eP	19 45 51
LIN	e	19 52 37
	eL	57 19
PHIL	eL	20 00 03
PF	e(P)	19 46 00
SLC	e	19 46 12
	eL	49 33
RC	eP	19 47 18
	e	49 18
	eS	52 04
	eL	53 48

Date and Station		Phase (GCT) h m s
Mar. 28, cont.		
SLC	eL	20 00 26
SEA	eL	19 47 30
SH	iP	19 44 06
TUC	iP	19 47 07
	e	49 09
	eL	51 31
Mar. 28, H = 19 54 23** Cape Mendocino, Calif. aftershock.		
BC	eP	19 57 04
COL	e	20 00 02
HH	eP	19 56 59
OV	e	19 57 06
PF	eP	19 57 11
RC	eP	19 58 35
SH	eP	19 55 13
	iP	55 16
TUC	eP	19 58 08
	iP	58 14
	e	58 42
	e	20 01 18
	eL	01 37
UK	e	19 56 12
	iL	56 47
Mar. 28 HH	eP	20 12 53
Mar. 28 HH	eP	20 45 20
Mar. 28 BC	e	23 41 44
HH	eP	23 41 31
PF	iP	23 41 50

Date and Station		Phase (GCT) h m s
Mar. 28, cont.		
SLC	eL	23 45 13
SH	iP	23 39 43
	i	40 40
	i	41 20
TUC	e	23 42 43
	e	43 34
	e	44 35
UK	eL	23 41 06
Mar. 29 HH	iP	00 03 51
Mar. 29 PF	eP	00 40 16
Mar. 29 HH	eP	03 39 20
Mar. 29 BC	eP	06 45 17
	e	45 59
Mar. 29 HH	eP	08 19 25
	eS	19 57
	iS	20 00
Mar. 29 COL	iP	09 10 32
HH	eP	09 10 38
PF	iP	09 10 08
Mar. 29 OV	i	12 51 14
Mar. 29 HH	e	15 15 42
Mar. 29 COL	iP	21 37 31
	e	38 05
Mar. 29 BC	iP	22 04 12

Date and Station		Phase (GCT) h m s
Mar. 29, cont.		
HH	eP	22 06 33
	i	06 46
PF	iP	22 04 10
SH	eP	22 05 40
TUC	e	22 02 56
	i	03 08
	e	04 27
	e(S)	04 57
	eL	05 35
Mar. 30 TUC	iP	01 23 06.5
	i	23 07
	i	23 10
	iS	23 27
	i	23 28
	eL	23 43
Mar. 30 BH	iP	02 00 48
	iS	01 13
Mar. 30 BC	iP	03 15 34
COL	eP	03 16 14
	e	16 47
HH	e	03 16 22
PF	eP	03 15 36
SH	eP	03 15 21
	i	15 23
TUC	eP	03 15 37
	e	15 53
	e	16 22
Mar. 30, H = 05 30 28** Off coast of southern Mexico.		
BH	iP	05 33 39
BER	eL	05 46 25
BC	eP	05 35 58

Date and Station		Phase (GCT) h m s
Mar. 30, cont.		
PF	iP	05 36 02
SJ	e	05 37 17
	e	41 04
	eL	43 09
TUC	iP	05 36 02
	e	39 54
	eS	40 22
	eL	41 29
Mar. 30		
BC	eP	05 40 32
HH	iP	05 41 36
PF	iP	05 40 31
Mar. 30		
COL	e	08 25 25
Mar. 30		
BC	e	08 59 06
	e	59 15
HH	eP	08 59 00
PF	eP	08 59 04
TUC	eP	08 59 04
	e	59 10
	e	09 04 27
Mar. 30, H = 09 00 04** New Hebrides Islands.		
BC	eP	09 13 10
COL	eP	09 12 57.5
HH	eP	09 13 35
PF	eP	09 13 11
TUC	eP	09 13 18
	e	13 37
	e	14 33
Mar. 30		
HH	iP	10 03 22
	i	03 51

Date and Station		Phase (GCT) h m s
Mar. 30		
COL	iP	11 55 34
	e(S)	56 08
	eL	56 30
Mar. 30		
COL	e	13 19 42
Mar. 30, H = 14 47 46* 16°S, 178°W. Fiji Islands region.		
BER	ePS	15 17 30
	eL	46 30
BC	eP	14 59 39
BOZ	eL	15 24 45
COL	eP	15 00 16
	eS	11 30
	eL	24 17
HONO	eL	15 04 47
HH	iP	15 00 24
	i	01 45
LOG	eP	15 00 26
	e	02 16
PHIL	eL	15 33 26
PF	eP	14 59 50
	i	15 00 53
SJ	eP	15 02 34
	e	08 23
	eSKS	13 29
	eSP	16 52
	eL	41 03
SH	iP	14 59 38
SIT	eL	15 25 06
TUC	eP	14 59 56
	e	15 00 00
	e	00 09
	e	00 29
	e	01 07
	e	03 14

Date and Station		Phase (GCT) h m s
Mar. 30, cont.		
TUC, cont.		
	ePP	15 03 21
	e	06 43
	e	11 07
	eL	24 30
UK	eL	15 18 33
Mar. 30		
HH	iP	15 27 37
	i	27 41
Mar. 30		
HH	iP	18 51 31
Mar. 30		
OV	eP	19 44 00
Mar. 30, H = 20 28 28* 49°N, 127½°W. Off coast of Vancouver Island, B. C.		
BOZ	eL	20 34 49
BUT	eL	20 33 59
HH	eP	20 30 40
	iP	30 41
	i(S)	32 29
	iL	32 53
LOG	eP	20 31 40
OV	eP	20 32 13
	iP	32 14
PHIL	eL	20 49 09
RC	eP	20 32 39
	iP	32 46
	eL	37 02
SEA	e	20 30 33
	eL	33 46
SH	iP	20 30 43
TUC	iP	20 33 14
	e	34 13
	e	34 38
	e	35 17

Date and Station		Phase (GCT) h m s
Mar. 31		
HH	iP	09 35 35
SH	e	09 35 53
Mar. 31		
COL	e	18 49 31
Mar. 31		
LOG	eP	19 14 36
Mar. 31		
COL	eP	20 32 42
Mar. 31		
OV	e	21 10 43
	e	11 52
PF	iP	21 10 54
	i	12 05
SH	iP	21 09 36
	i	09 37
Mar. 31, H = 21 40 05** $5\frac{1}{2}$°S, 151°E. New Britain region. h = about 60 km.		
BER	eL	22 48 50
BC	iP	21 53 32
HH	iP	21 53 35
OV	eP	21 53 33
	iP	53 34
	i	56 54
PHIL	e	22 33 41
	eL	40 32
PF	iP	21 53 35
SH	iP	21 53 36
TUC	iP	21 53 48
	eL	22 23 23
Mar. 31		
HH	iP	22 10 18
	e	18 18
	i	18 30

Local and Minor Earthquakes

day	hour
BOZ	
Mar.	
24	17.0
COL	
Jan.	
4	01.1
	16.0
11	22.7
12	02.8
13	18.4
14	03.4
16	06.6
19	06.8
	19.9
20	04.7
	07.1
24	08.5
	09.4
	23.4
26	05.6
	18.7
	20.6
29	16.2
30	23.9
Feb.	
1	00.7
	09.7
	23.7
2	00.7
	05.7
	18.3
	19.7
4	01.1
	04.4
	06.5
5	06.5
	08.2
	21.0
6	02.7
	13.6
	20.7
7	06.7
	09.3
	15.6
8	11.1
	15.5
	15.6
	18.2
9	02.2
	06.2

day	hour
COL, cont.	
Feb., cont.	
9	17.3
10	16.2
11	00.3
	23.3
13	15.8
14	10.7
	17.2
15	13.7
	21.5
16	01.4
	08.8
17	03.8
	11.6
	13.3
	13.7
18	01.1
	03.1
	05.8
	07.2
	21.1
19	03.0
	12.6
	15.2
	20.2
20	09.4
	15.1
	15.8
	17.9
21	03.2
	09.0
22	09.2
	12.0
	16.5
	16.9
23	06.5
	06.9
	10.3
	10.8
	14.0
	18.1
	20.7
24	02.5
	04.2
	10.4
	14.1
	19.0
	19.0
	23.2
25	01.7
	10.4

day	hour
COL, cont.	
Feb., cont.	
25	22.4
26	00.4
	00.5
	01.5
	06.2
	12.1
	18.1
	19.0
	23.7
27	00.6
	06.9
	10.0
	10.0
	18.8
28	06.8
	09.7
	18.6
Mar.	
1	06.5
	15.6
	18.6
	20.4
	21.1
2	05.6
	07.3
	07.7
	08.9
	12.8
	15.5
	15.6
	16.7
	17.1
	17.9
	19.1
	20.2
	22.4
	23.6
3	00.1
	01.8
	02.5
	05.1
	06.6
	07.7
	08.0
	09.2
	11.5
	11.8
	13.7
	16.8

day	hour
COL, cont.	
Mar., cont.	
4	14.9
	20.1
5	00.8
	01.0
	03.1
	06.0
	07.5
	07.9
	08.4
	09.5
	09.9
	10.5
	12.8
	13.3
	14.8
	16.8
	18.0
	20.6
6	00.4
	00.8
	09.2
	12.9
	13.2
	13.3
	13.9
	14.8
	15.2
	16.0
	16.4
	16.7
	21.2
7	02.5
	03.3
	04.9
	06.9
	07.9
	08.9
	11.2
	11.8
	11.9
	12.0
	12.3
	13.3
	13.5
	14.5
	16.0
	16.1
	16.2
	16.3
	20.2

day	hour
COL, cont.	
Mar., cont.	
7	21.4
	22.2
8	01.1
	06.7
	08.6
	08.8
	09.1
	09.9
	12.2
	15.0
	16.0
	18.2
9	04.5
	05.6
	07.0
	08.5
	08.6
	08.8
	10.1
	11.2
	11.9
	12.8
	14.0
	15.8
	23.6
	23.8
10	04.8
	07.0
	08.6
	09.6
	10.1
	10.2
	10.3
	13.6
	20.6
	21.1
	21.2
	23.1
	23.6
11	01.6
	07.5
	07.8
	09.1
	09.5
	11.3
	15.5
	16.4
	16.7
	17.7
	18.5

day	hour
COL, cont.	
Mar., cont.	
12	07.7
	07.9
	08.7
	09.7
	09.9
	12.0
	12.1
	12.5
	13.0
	13.5
	13.7
	16.8
	17.4
	20.2
	23.2
	23.3
13	07.2
	08.3
	08.6
	09.2
	09.9
	11.2
	11.3
	12.4
	13.1
	15.6
	16.0
	16.3
	17.6
	18.5
	21.8
	23.8
14	04.4
	05.5
	06.4
	06.8
	08.6
	08.9
	09.7
	10.8
	11.7
	14.2
	14.8
	16.8
	17.2
	18.5
	21.4
15	01.4
	03.4
	07.0

Local and Minor Earthquakes, cont.

day	hour
COL, cont.	
Mar., cont.	
15	07.3
	08.4
	11.4
	12.2
	12.6
	14.4
	14.7
	16.0
	18.1
	20.4
	23.3
16	03.9
	04.9
	06.2
	07.9
	10.2
	11.0
	13.1
	17.6
	18.0
17	05.4
	23.1
18	05.6
	11.5
	16.8
	20.4
	23.1
	23.1
19	01.1
	01.4
	01.5
	03.4
	07.7
	08.4
	10.9
	11.6
	15.5
	15.6
	16.1
	18.3
	18.5
	19.2
20	00.5
	00.9
	03.2
	04.7
	05.2
	05.7
	06.1
	06.6

day	hour
COL, cont.	
Mar., cont.	
20	06.8
	08.8
	09.3
	10.3
	13.5
	14.6
	15.5
	20.8
	21.3
	21.6
	23.3
	23.7
21	06.1
	06.3
	06.5
	06.9
	07.2
	08.0
	08.2
	08.3
	08.5
	10.1
	12.9
	13.2
	16.2
	17.3
	17.4
22	03.5
	04.9
	06.3
	07.0
	15.1
	17.6
23	01.7
	05.3
	07.4
	07.6
	09.4
	10.4
	11.4
	11.5
	11.5
	14.2
	14.4
	14.8
	16.5
	16.9
	20.5
	20.6
	22.9

day	hour
COL, cont.	
Mar., cont.	
23	23.6
24	01.9
	03.6
	13.4
	15.3
25	03.5
	03.5
	04.9
	06.3
	07.3
	08.7
	13.2
	13.6
	15.0
	16.0
	21.3
	22.1
26	01.2
	05.3
	05.9
	08.7
	10.7
	12.5
	13.1
	14.5
	14.9
	16.6
27	01.7
	08.8
	12.3
	13.3
	15.0
	20.4
	22.5
	23.1
	23.5
28	06.5
	06.9
	09.5
	11.3
	15.6
	16.4
	19.8
	20.9
	22.9
29	03.1
	03.9
	04.9
	11.0
	12.0

day	hour
COL, cont.	
Mar., cont.	
29	12.6
	14.9
	17.0
	21.1
	21.2
	21.2
	23.7
30	00.6
	06.6
	09.8
	12.1
	20.1
31	01.1
	07.6
	10.5
	11.2
	14.2
	16.1
	17.7
	18.6
	18.9
HONO	
Feb.	
16	22.0
17	01.0
28	03.2
Mar.	
3	00.3
	00.7
8	02.3
15	21.9
HUAN	
Jan.	
2	06.1
11	10.2
17	20.6
18	21.7
20	16.2
23	20.0
Feb.	
1	07.8
	08.6
	20.1
2	05.8
	18.2
8	10.0

day	nour
HUAN, cont.	
Feb., cont.	
9	08.5
	18.8
10	00.7
	03.7
	18.4
11	09.8
12	01.8
	21.2
15	17.8
	17.9
	19.0
	20.8
	22.5
16	02.7
	21.6
	21.7
17	11.2
	21.2
18	01.1
	03.3
	08.4
	13.1
	15.2
	23.8
19	01.1
20	14.8
	22.5
21	17.6
23	04.6
	07.5
	11.5
	16.8
	19.8
24	20.9
25	06.9
	15.9
	16.9
	23.4
26	09.5
	11.5
27	01.1
Mar.	
1	14.0
2	12.3
3	08.1
	17.1
5	00.0
	08.0
6	04.1

day	hour
HUAN, cont.	
Mar., cont.	
6	10.7
	16.1
7	14.0
8	15.1
11	11.0
	17.1
12	04.4
13	04.8
15	10.6
16	21.9
17	05.8
	10.0
	11.6
18	10.5
	12.6
19	07.7
	17.7
21	04.8
	21.6
24	16.0
31	21.7
24-31 No minute marks on Benioff Z. Wenner too insensitive.	
LOG	
Mar.	
1	19.8
20	18.6
23	06.6
28	06.7
SLC	
Mar.	
20	11.5
SJ	
Jan.	
1	18.3
7	17.9
8	06.2
9	07.5
11	15.7
16	13.1
26	13.1
27	09.9

Local and Minor Earthquakes, cont.

day	hour	day	hour	day	hour	day	hour	day	hour	day	hour
SJ, cont.		TUC, cont.		TUC, cont.		TUC, cont.		TUC, cont.		TUC, cont.	
Feb.		Jan., cont.		Feb., cont.		Feb., cont.		Mar., cont.		Mar., cont.	
16	21.4	17	19.0	4	02.7	18	22.0	5	04.0	15	01.3
			21.7		03.5	19	01.6		09.6		01.8
Mar.		18	18.1		03.6		05.8		10.2		06.9
17	21.7		20.6		21.6		18.2		20.7		10.1
			21.7		21.9	21	22.2		23.1		15.2
TUC		19	22.5		23.8	22	05.5	6	16.4		16.5
Jan.		20	04.2	5	10.9		08.2		17.2		17.4
1	14.3	21	15.6		17.8		08.7	7	04.2		23.0
	21.5		17.9		21.0		11.0		06.4	16	02.2
	21.6		18.9		23.3		11.7		18.0		06.8
3	22.4		21.5	6	05.8		12.6		20.0		07.0
6	05.9		22.5		17.3	23	21.7		21.3		18.3
	21.8	22	17.6		18.7		22.1	8	17.8		18.9
7	08.4		20.7		22.1	24	07.2		18.4		19.0
	15.4	24	21.0	7	01.7		17.7		18.6		21.6
	17.7		22.8		15.5		18.5		22.4		21.9
	20.2	26	05.2		16.2	25	20.2		22.6		22.3
	22.5		05.3		16.9	26	18.3		23.0		22.4
	23.0		05.8		21.1		20.9	9	19.1		22.4
8	03.1		09.2		21.6		21.5		21.1	17	17.0
	17.8		17.2		22.4	27	23.4		21.6		18.2
	22.0		22.8		22.6	28	17.3		23.0		23.8
	22.4		23.8	8	01.7		17.9	10	18.7	18	02.0
	23.0	27	17.6		17.6		18.2		19.9		03.0
	23.8		21.2		18.6		22.3	11	16.8		08.7
9	04.9	28	10.2		20.5		23.1		19.1		18.2
	15.5	29	20.2		21.2				19.5		19.5
	21.7	30	10.5		21.5	Mar.			20.3		20.2
10	11.0		12.4	9	20.4	1	18.9		22.5		20.8
	21.4		12.5		22.9		22.6		23.2		21.2
	23.0		14.7		22.9	2	00.3	12	07.3		21.7
11	13.0	31	16.6	10	18.2		02.6		12.5		22.4
	20.9		23.4		18.7		04.7		18.3		23.0
	21.6		23.7		20.9		19.1		19.1	19	04.5
	22.2				21.5		23.0		19.4		21.2
12	22.3	Feb.		12	04.4	3	06.2		22.0		22.5
	22.4	1	03.2		21.1		07.0		23.1		23.7
13	21.3		17.9	13	02.0		07.6	13	01.3	20	08.5
14	01.3		21.1		02.3		12.5		01.8	21	00.5
	03.9	2	04.6		03.6		14.0		17.4		13.2
	16.4		20.8	14	02.7		18.0		17.7		19.7
	20.2		22.5		03.1		20.4		17.8		20.1
15	01.4	3	03.1		20.8		20.6		20.7		20.4
	18.1		03.5		21.1		23.0	14	00.8		21.2
	18.5		06.4		21.3	4	07.0		10.3		21.3
	21.1		06.7	15	20.1		15.2		18.6		22.7
	21.8		07.2		22.4		15.9		19.8	22	21.7
	22.5		18.6	16	21.8		21.0		22.9		22.7
16	22.4		20.5	17	21.0		21.6		23.3	23	06.3
							23.0				19.1

Local and Minor Earthquakes, cont.

day	hour
TUC, cont.	
Mar., cont.	
23	21.3
	22.5
	23.0
24	18.2
	20.0
	22.5
	22.9
25	12.5
	18.7
	21.0
	22.4
26	18.3
	18.4
	19.0
	19.2
	21.7
27	04.0
	08.8
	20.8
28	10.1
	12.1
	15.8
	17.0
	18.3
	19.7
	23.1
29	06.5
	08.2
	20.0
	23.0
30	19.7
	20.6
	21.4
	23.0
31	03.0
	20.7