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SEISMOLOGICAL BULLETIN

July, August, September, 1950

MSI - 143

U. S. DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY -- WASHINGTON

National Oceanic and Atmospheric Administration

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DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

U. S. COAST AND GEODETIC SURVEY

R. F. A. Studds, Director

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

July, August, September, 1950

MSI-143

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

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

**Balboa Heights, C. Z. (BH)
The Panama Canal
*Bermuda (BER)
Meteorological Station and International Union of Geodesy and Geophysics
*Boulder City, Nev. (BC)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
**Burlington, Vt. (BUR)
University of Vermont
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and U. S. Weather Bureau
College, Alaska (COL)
*Columbia, S. C. (COLU)
University of South Carolina
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Logan, Utah (LOG)
Utah State Agriculture College
**New Kensington, Pa. (NK)
Private station, Fred Keller, Sr.
*Overton, Nev. (OV)
Bureau of Reclamation and National Park Service
**Philadelphia, Pa. (PHIL)
The Franklin Institute
*Pierce Ferry, Ariz. (PF)
Bureau of Reclamation and National Park Service
**Rapid City, S. Dak. (RC)
South Dakota State School of Mines and Technology
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
*Shasta, Calif. (SH)
Bureau of Reclamation
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitude Observatory
Washington, D. C. (WASH)

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

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

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

Date 1950	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
July	h m s	° ′		° ′		
2	22 49 24*	4	N.	73½	W.	Central Colombia. Felt at Bogota.
3	10 03 36*	8½	N.	141	E.	Caroline Islands.
3	12 29 13*	24	S.	176	W.	Tonga Islands region.
5	03 34 59*	19	S.	168	E.	New Hebrides Islands.
5	18 30 13*	62	N.	154	W.	Southern Alaska.
7	11 35 36	33 50	N.	116 16	W.	By Pasadena. North of Indio, Calif. Mag. 3.2
7	16 46 54*	11	S.	164	E.	Solomon Islands.
7	16 54 10*	11	S.	163	E.	Solomon Islands aftershock.
8	03 31 41*	33½	S.	179½	W.	Kermadec Islands region. Mag. 5½ - 6.
9	00 03 02*	10	S.	161	E.	Solomon Islands.
9	00 28 24*	25½	N.	63	E.	Pakistan.
9	01 39 29*	33	S.	112	W.	About 500 miles southwest of Easter Island. Mag. 6-3/4.
9	02 35 30*	8	N.	73	W.	Northern Colombia. Destructive in Arboleta, Cucutilla, Salazar de las Palmas, Cucuta and Mutizca, Colombia; and in San Cristobal, Venezuela. 211 killed and 500 injured. Damage estimated at $5 million.
9	03 28 59**					Northern Colombia aftershock.
9	03 34 27**					Azores Islands region.
9	03 38 33**					Azores Islands aftershock.
9	04 40 03*	8	S.	71	W.	Western Brazil. h about 650 km. Mag. 7.
9	04 50 05*	8	S.	71	W.	Western Brazil aftershock. h about 650 km. Mag. 6-3/4 - 7.
9	09 45 01*	8	S.	72	W.	Western Brazil aftershock. h about 650 km. Mag. 6¼ - 6½.
9	12 34 13*	8	N.	73	W.	Northern Colombia aftershock.
9	16 10 20*	36½	N.	71	E.	Hindu Kush. h about 220 km.
9	19 17 12*	36½	S.	103	W.	Pacific Ocean, about 600 miles south of Easter Island.
10	05 33 32**					Indian Ocean, about 400 miles north of Rodriguez Island.
10	13 51 20*	21	S.	178½	W.	Fiji Islands. h about 600 km.
11	09 19 42	35 23	N.	119 15	W.	By Pasadena. West of Bakersfield, Calif. Mag. 3.6.
12	01 36 19*	1	S.	102	W.	Pacific Ocean, 700 miles west of Galapagos Islands.
12	11 09 12*	53	N.	167	W.	Fox Islands, Aleutian Islands. Mag. 6¼.
12	11 48 01*	20	S.	175	W.	Tonga Islands. h about 100 km.
12	15 46 51**					Off east coast of Kamchatka. h about 100 km.
12	20 57 10**					South of Alaska Peninsula.
12	21 26 25**					Near south coast of Karafuto. h about 500 km.
13	04 03 50*	27½	N.	139½	E.	Bonin Islands region. h about 500 km. Mag. 6-3/4 - 7.
14	12 06 57*	52½	N.	168½	W.	Fox Islands, Aleutian Islands.

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
July	h m s	° ′	° ′	
15	10 28 47**			Tonga Islands aftershock. h about 100 km.
15	11 42 02**			Off coast of Peru.
15	13 29 21**			Tonga Islands. h about 60 km.
16	11 58 48*	2 S.	86 W.	Galapagos Islands region.
17	08 56 26**			Central Peru.
17	20 17 55*	21½ S.	171 E.	Loyalty Islands. h about 100 km.
17	21 09 28**			Near coast of northern Chile.
18	01 33 12*	35 N.	136 E.	Southern Honshu, Japan.
19	10 52 09**			Andreanof Islands, Aleutian Islands. h about 150 km.
20	03 03 45**			Northern Chile. Felt. h about 100 km.
20	09 30 45*	16½ S.	173 E.	Fiji Islands region.
20	13 14 24**			Fiji Islands aftershock.
21	07 18 55*	29½ S.	178 W.	Kermadec Islands.
21	08 16 28*	7½ S.	71 W.	Western Brazil. h about 650 km.
21	20 31 59*	15½ S.	168½ E.	New Hebrides Islands. Mag. 6-3/4 - 7.
22	12 33 47**			Northern Catamarca province, Argentina. h about 100 km.
22	23 07 58**			New Hebrides Islands region.
23	15 50 06*	16 S.	165 E.	New Hebrides Islands.
23	23 32 08*	19 N.	61½ W.	Leeward Islands region.
25	18 15 00*	31 N.	42 W.	Mid-Atlantic ocean.
26	08 31 29*	19 N.	67½ W.	Off east coast of Dominican Republic.
27	09 39 52	33 07 N.	115 34 W.	By Pasadena. Calipatria, Calif. Mag. 3.4.
27	09 54	33 07 N.	115 34 W.	By Pasadena. Calipatria, Calif. Mag. 4.1.
27	11 29 26	33 07 N.	115 34 W.	By Pasadena. Near Calipatria, Calif. Minor damage at Brawley and Niland. Mag. 4.8.
27	17 30 29*	17 S.	179 W.	Fiji Islands region. h about 600 km.
27	22 50 49	33 07 N.	115 34 W.	By Pasadena. Calipatria, Calif. Mag. 4.5.
28	03 25 30	33 07 N.	115 34 W.	By Pasadena. Calipatria, Calif. Mag. 4.7.
28	04 55 13*	13 S.	167 E.	New Hebrides Islands.
28	05 28 21*	13 S.	167 E.	New Hebrides Islands aftershock.
28	17 26 48	33 07 N.	115 34 W.	By Pasadena. Calipatria, Calif. Mag. 4.7.
28	17 50 48	33 07 N.	115 34 W.	By Pasadena. Near Calipatria, Calif. Felt at Brawley, Niland, Westmoreland and San Diego. Mag. 5.4.
28	17 58 12	33 07 N.	115 34 W.	By Pasadena. Calipatria, Calif. Mag. 4.8.
29	00 17 10	33 07 N.	115 34 W.	By Pasadena. Calipatria, Calif. Mag. 4.5
29	14 36 32	33 07 N.	115 34 W.	By Pasadena. Near Calipatria, Calif. Estimated $50,000 property damage at Calipatria, Brawley, Niland, and Westmoreland. Mag. 5.5.

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
July	h m s	° ′	° ′	
29	16 45 56*	2½ N.	127½ E.	Molucca Passage. Mag. about 7.
29	18 42 48	33 07 N.	115 34 W.	By Pasadena. Calipatria, Calif. Mag. 4.7.
29	23 48 58*	6 S.	155 E.	Solomon Islands. Mag. 7.1.
Aug. 1	02 04 43**			Near east coast of Hokkaido, Japan.
1	08 37 20	33 07 N.	115 34 W.	By Pasadena. Calipatria, Calif. Felt. Mag. 4.8.
1	09 11 39*	42½ N.	145 E.	Off south coast of Hokkaido, Japan.
1	10 42 50**			Hokkaido aftershock.
2	06 50 48	34 40 N.	120 48 W.	By Pasadena. West of Lompoc, Calif. Mag. 3.3.
2	10 50 15*	12 N.	142½ E.	Marianas Islands. h about 100 km. Mag. 6½ - 6-3/4.
2	13 49 55*	15 N.	39½ E.	Near coast of Eritrea, Africa.
3	06 14 56*	18½ N.	100 W.	Guerrero, Mexico. Felt. Mag. 6 - 6¼.
3	09 28 04*	8 N.	72½ W.	Near northern Colombia-Venezuela border. Felt.
3	15 26 38**			Marianas Islands region. Mag. 6½.
3	15 44 49**			Off east coast of Honshu, Japan.
3	22 18 18*	10 N.	69½ W.	Northwestern Venezuela. Destructive at Tocoyo. 100 killed. Mag. 6-3/4.
4	01 46 56	33 00 N.	116 05 W.	By Pasadena. Southeast of Borrego Valley, Calif. Mag. 3.7.
5	09 16 48*	50 S.	164 E.	Auckland Island region. Mag. 6-3/4.
5	10 45 10**			Northwestern Venezuela aftershock.
6	12 45 25**			Samoa Islands region.
7	02 44 44*	6 N.	126 E.	Near south coast of Mindanao, Philippine Islands. Mag. 6-3/4.
7	04 51 41**			Kurile Islands.
7	15 47 23*	1 N.	126½ E.	Molucca Passage.
8	02 59 18**			Fiji Islands region. h about 600 km.
8	05 12 00*	55 N.	134½ W.	Near coast of southeastern Alaska.
9	18 45 06**			Santa Cruz Islands.
10	09 55 26	35 43 N.	118 15 W.	By Pasadena. North of Weldon, Calif. Mag. 3.6.
10	17 55 08**			New Hebrides Islands region.
10	19 19 30*	7 S.	155½ E.	Solomon Islands. Depth slightly greater than normal.
11	03 01 10**			Kurile Islands. h about 100 km.
11	10 23 11*	17 S.	169 E.	New Hebrides Islands region.
11	20 20 52**			Tonga Islands.
12	02 17 17	39 19 N.	116 48 W.	By Pasadena. Near Baldwin Lake, Calif. Felt at Big Bear, Highland, Riverside. Mag. 4.3.
12	10 44 07**			Kermadec Islands region.
12	16 10 16**			New Hebrides Islands.

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	° ′	° ′	
13	16 43 20*	19½ N.	70½ W.	Near north coast of Dominican Republic.
13	18 39 16*	51½ N.	177 W.	Andreanof Islands, Aleutian Islands. Felt at Adak. h about 100 km.
14	06 31 35**			Near coast of Southern Peru. Felt.
14	19 16	33 07 N.	115 34 W.	By Pasadena. Calipatria, Calif. Mag. 4.7.
14	22 51 26*	27 S.	62½ W.	Santiago del Estero province, Argentina. h about 650 km. Mag. 7¼.
15	04 47 35**			Kurile Islands. h about 150 km.
15	14 09 30*	28½ N.	97 E.	Assam. 574 killed. Damage estimated at $20 million. Mag. 8.6.
15	18 38 40*	28½ N.	94½ E.	Assam.
15	21 01 33*	28 N.	96 E.	Assam.
15	21 42 19*	26 N.	92½ E.	Assam. Felt.
16	06 41 56*	27 N.	96 E.	Assam-Burma border.
16	09 13 50*	14 N.	146 E.	Marianas Islands.
16	17 51 27*	27½ N.	92 E.	Assam-Bhutan border. Felt.
17	01 54 13*	29½ N.	94½ E.	Sikang Province, China. Felt.
17	05 29 14*	30 N.	94 E.	Sikang Province, China.
17	14 23 16*	12½ S.	172 W.	Samoa Islands. h about 150 km.
17	16 15 22*	21 S.	180	Fiji Islands region. h about 600 km. Mag. 6-3/4 - 7.
18	01 07 34*	25½ N.	96 E.	Northern Burma. Felt.
18	16 58 47*	30 N.	96 E.	Sikang Province, China.
20	01 44 55*	47¼ N.	113½ W.	Western Montana. Felt.
20	09 03 35*	29 N.	94 E.	Assam-China border.
20	23 34 19*	15 S.	167 E.	New Hebrides Islands.
21	05 51 35*	28½ N.	96 E.	Assam.
21	15 40 59*	20 N.	70 W.	Off north coast of Dominican Republic.
22	06 43 16*	30½ N.	94 E.	Sikang Province, China.
22	07 40 15*	53 N.	159½ E.	Near east coast of Kamchatka. h about 60 km.
22	13 22 17*	27½ N.	97½ E.	Northern Burma.
22	22 47 58	34 09 N.	119 21 W.	By Pasadena. Near Ventura, Calif. Felt. Mag. 4.2.
23	03 09 21*	29½ N.	95 E.	Sikang Province, China.
23	18 47 02*	29 N.	95½ E.	China-Assam border.
24	01 27 43*	28 N.	96½ E.	Assam.
24	17 45 34*	42½ N.	126 W.	Off coast of Oregon.
25	02 15 10*	49½ N.	129 W.	Off coast of Vancouver Island.
26	04 39 27*	65 N.	162 W.	Seward Peninsula, Alaska. Felt at Nome. Mag. 6½.
26	07 12 29*	19 S.	170 E.	New Hebrides Islands. h about 100 km.

Date 1950	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
Aug.	h m s	° ′		° ′		
26	10 41 33**					Fiji Islands region. h about 300 km.
27	00 34 12*	65	N.	162	W.	Seward Peninsula aftershock. Felt at Nome.
27	00 37 31*	65	N.	162	W.	Do.
27	11 00 04*	30	N.	94	E.	Sikang Province, China.
27	14 26 12*	8	S.	74½	W.	East central Peru. h about 150 km.
27	15 33 32**					Southwestern Alaska.
27	22 03 04*	39	N.	41	E.	Eastern Turkey.
28	12 52 48**					Marianas Islands region.
28	19 45 26	34 18	N.	116 47	W.	By Pasadena. North Big Bear Lake, Calif. Felt at Big Bear and Fawnskin.
29	20 23 34**					Marianas Islands region.
30	04 47 44**					Fox Islands, Aleutian Islands. h about 100 km.
30	06 49 11**					Fox Islands, Aleutian Islands.
30	06 50 59*	4	S.	129½	E.	Off south coast of Ceram Island. Mag. about 6½.
30	09 13 49*	19	S.	168	E.	New Hebrides Islands.
30	09 24 35**					New Hebrides Islands.
30	23 13 53**					New Hebrides Islands.
31	07 05 36*	6	N.	126	E.	Near south coast of Mindanao, Philippine Islands. Mag. about 7.
31	17 22 12*	45	N.	17½	E.	Northern Yugoslavia, 70 buildings destroyed at Dubrovici.
31	18 47 43*	42	N.	125	W.	Off coast of Oregon.
31	19 52 33*	29	N.	95½	E.	Assam-China border.
Sept. 1	02 46 55*	3½	S.	89½	E.	Indian Ocean.
1	07 00 50**					Kurile Islands.
2	02 47 22*	52½	N.	169	W.	Fox Islands, Aleutian Islands. h about 100 km. Mag. 6¼ - 6½.
2	13 18 38**					Northeast of Balleny Islands, Antarctic Ocean.
2	16 14 40*	30	N.	96½	E.	Sikang Province, China.
2	23 59 39**					Mid-Atlantic Ocean, about 1000 miles southwest of Cape Verde Islands.
3	00 33 50**					Fiji Islands region. h about 600 km.
3	02 53 03*	29	N.	93½	E.	Sikang Province, China.
3	04 05 15*	11	S.	162½	E.	Solomon Islands.
3	19 18 55**					Off coast of El Salvador.
3	23 30 43*	29	N.	95	E.	Assam.
4	06 19 02*	29	N.	95½	E.	Assam-China border.
4	12 17 17*	41	N.	34½	E.	Northern Turkey.
4	14 01 05**					Near south coast of Hokkaido, Japan.

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Sept.	h m s	° ′	° ′	
5	04 04 36**			Central Italy foreshock.
5	04 09 00*	42 N.	13½ E.	Central Italy. 2 killed, 35 injured, 21 villages damaged.
5	19 19 56	33 39 N.	116 45 W.	By Pasadena. Northwest of Anza, Calif. Felt. Mag. 4.8.
7	01 54 55**			About 300 miles south of Fiji Islands.
7	14 58 52**			Kermadec Islands. h about 100 km.
8	06 58 21*	22 S.	178 W.	Fiji Islands region. h about 500 km.
8	07 14 53**			Near coast of Oaxaca, Mexico.
8	10 31 46	32 59 N.	115 45 W.	By Pasadena. East of El Centro, Calif. Mag. 3.6.
8	19 15 32	41.5 N.	117.3 W.	By Berkeley. East of Paradise Valley, Nev. Mag. 3.7.
9	05 37 38**			Northern Chile. Felt.
9	10 21 40*	4 S.	153 E.	New Britain region. Mag. 6¼.
9	12 42 06**			Tonga Islands.
9	14 27 44*	20 S.	170 E.	New Hebrides Islands region.
10	03 21 25*	35 N.	140 E.	Near east coast of Honshu, Japan. Felt at Tokyo. h about 60 km. Mag. 6-3/4.
10	15 16 04*	15½ S.	168½ E.	New Hebrides Islands. h about 100 km. Mag. 7.1.
11	00 18 34*	29 N.	94 E.	Assam-China border.
11	01 14 50**			Samoa Islands.
12	03 53 10**			Near north coast of Luzon, Philippine Islands. Felt at Laoag.
13	06 06 02**			Hokkaido, Japan. Depth slightly greater than normal.
13	11 07 41*	29 N.	94 E.	Assam-China border. Felt.
13	11 59 40*	76 N.	3 E.	Off east coast of Greenland.
13	20 43 10**			New Hebrides Islands region.
14	07 31 20**			Andreanof Islands, Aleutian Islands. Felt on Adak and Great Sitkin.
14	07 52 27*	19 S.	63 W.	Central Bolivia. h about 600 km.
14	09 05 57**			Molucca Passage. h about 200 km.
14	21 45 00**			Off south coast of Mozambique.
15	14 14 30*	23 S.	176 W.	Tonga Islands. h about 100 km.
15	19 05 08*	16 S.	175 W.	Tonga Islands. h about 250 km.
16	00 55 36*	4 S.	104½ W.	About 1000 miles west of Galapagos Islands. Mag. 6½.
16	12 30 50**			Kurile Islands.
16	12 39 13*	48 N.	156 E.	Kurile Islands.
16	12 48 39*	32½ N.	131 E.	Kyushu, Japan. h about 150 km. Felt at Fukuoka and Hiroshima.
16	21 58 15*	52 N.	177 E.	Rat Islands, Aleutian Islands. h about 100 km. Mag. 6½ - 6-3/4.

Date 1950	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Sept.	h m s	° ′	° ′	
17	19 43 30	32 10 N.	116 25 W.	By Pasadena. Lower California. Felt from San Diego to Jacumba. Mag. 4.5.
18	19 36 43*	8 S.	71 W.	Western Brazil. h about 650 km. Mag. about 6.
19	02 34 58**			About 300 miles south of Fiji Islands.
19	20 29 48*	2 S.	138½ E.	Near north coast of New Guinea. Mag. 6.9.
20	00 34 46*	4 S.	154 E.	New Britain region. h about 500 km.
20	03 04 16*	17 N.	93 W.	Chiapas, Mexico. h about 100 km.
21	22 02 13	39.4 N.	118.0 W.	By Berkeley. East of Fallon, Nev. Mag. 3.7.
21	22 51 01*	9½ S.	66 E.	Indian Ocean. Mag. 5-3/4.
22	01 36 36*	47½ N.	153 E.	Kurile Islands. h about 150 km.
22	07 52 07*	25 S.	114 W.	Easter Island region. Mag. 6-3/4.
22	08 05 35**			Kurile Islands region.
22	23 53 29*	18 S.	177 W.	Fiji Islands region. h about 450 km. Mag. 7.
23	06 23 40*	35 N.	25½ E.	Southeastern Crete. 4 injured and 400 buildings damaged.
23	17 26 15**			South of Fox Islands, Aleutian Islands.
23	18 38 40*	9½ N.	126½ E.	Near north coast of Mindanao, Philippine Islands. Felt at Surigao and Hinatuan.
23	20 21 55**			Fiji Islands region.
24	07 27 18	40 15 N.	124 24 W.	By Berkeley. Off Cape Mendocino, Calif. Mag. 3.8.
24	22 13 28*	64 N.	146 W.	East central Alaska. Felt at College.
24	22 56 39*	34½ N.	60 E.	Northeastern Iran.
25	02 49 57**			Off east coast of Mindanao, Philippine Islands. Felt at Surigao and Hinatuan.
25	18 09 27*	32½ S.	71 W.	Central Chile. Felt.
25	23 15 58*	9½ N.	126 E.	Off east coast of Mindanao, Philippine Islands. Felt at Surigao and Hinatuan.
26	06 45 48**			Southeastern Peru.
27	03 36 55*	20 N.	108½ W.	Off coast of Mexico. Mag. 5¼ - 5½.
27	03 43 32**			Mexico aftershock.
27	08 23 58*	18½ S.	175 E.	Fiji Islands region.
28	03 29 36*	23 N.	121 E.	Near east coast of Formosa.
28	11 03 22	37 29 N.	118 35 W.	By Pasadena. Northwest of Bishop, Calif. Felt at Bishop, Laws, and Owens Gorge. Mag. 4.1.
28	13 25 11*	5 S.	151 E.	New Britain.
28	21 47 01*	54½ N.	134½ W.	Northwest of Queen Charlotte Islands. Felt on Annette Island.
29	00 43 15**			Marianas Islands region.
29	06 32 16*	19 N.	107 W.	Off coast of Colima, Mexico. h about 60 km. Mag. 7.
29	07 54 24**			Colima aftershock. Mag. 6 - 6¼. h about 60 km.
30	07 28 54*	28½ N.	94 E.	Assam. Felt.

Date and Station		Phase	(GCT) h m s
July 1			
COL	e(P)		00 58 56
OV	e(P)		00 58 26
July 1			
BC	eP		01 07 47
OV	eP		01 07 49
PF	eP		01 07 50
SH	eP		01 07 32
TUC	eP		01 07 54
July 1			
BC	e(P)		06 09 58
OV	e(P)		06 08 24
	e		10 07
	iL		10 38
PF	e(P)		06 09 52
TUC	eP		06 06 33
	i		06 51
	eS		07 25
	e		07 44
	eL		07 52
WASH	e(P)		06 13 24
July 1			
COL	eP		06 57 44
HH	eP		06 54 37
PHIL	e(P)		06 57 03
PF	eP		06 53 37
	e		53 46
TUC	eP		06 53 02
WASH	e		07 00 07
July 1			
BC	iP		10 13 51
OV	iP		10 13 43.9
	i		13 49.1
	iL		14 44.9
July 1			
COL	eP		10 30 31
July 1			
TUC	e(P)		13 50 37
July 1			
PF	e(P)		13 58 46
July 1			
OV	eP		14 45 17
PF	iP		14 45 17.0
TUC	eP		14 45 18

Date and Station		Phase	(GCT) h m s
July 1			
PF	e(P)		20 10 23
July 1			
OV	iP		23 38 21.5
PF	iP		23 38 21
July 2			
COL	eP		06 02 44
HH	eP		06 04 41
July 2			
COL	iP		10 05 36
July 2			
COL	eP		13 46 07
OV	eP		13 49 56
TUC	e(P)		13 50 47
July 2			
HH	eP		18 50 06
July 2, H = 22 49 24* 4°N., 73½°W. Central Colombia. Felt at Bogota.			
BH	eP		22 51 38
BER	e(P)		22 55 50
	ePP		56 30
	eS		59 55
	eL		23 01 15
BC	eP		22 58 17
CHI	eP		22 56 59
	ePP		58 37
	e		23 02 11
	eL		05 07
COL	eP		23 01 32
	eS		11 30
	eL		29 40
COLU	eS		23 00 42
	eL		05 00
HH	eP		22 59 06
	ePP		23 01 03
LOG	eP		22 58 28
	ePP		23 00 26
	e		07 16
	eL		11 10
OV	iP		22 58 17.5
	i		58 22.2
	i		58 53.0
	iPcP		59 32.0
	iPP		23 00 37.0
	e(S)		05 32
PHIL	eP		22 56 27
	eS		23 02 01
	eL		05 16

Date and Station		Phase	(GCT) h m s
PF	iP		22 58 13.0
	i		58 29.1
SJ	eP		22 53 08
	eS		56 08
	eL		57 08
SH	eP		22 59 20
TUC	iP		22 57 40
	i		58 16
	eS		23 03 55
	e		04 13
	eL		06 31
WASH	eP		22 56 21
	eL		23 16 10
July 2			
BC	e(P)		23 11 10
July 3			
BC	e(P)		00 20 09
	eS		21 01
PF	iP		00 19 44.6
	iS		21 02.6
TUC	eP		00 21 08
	eL		22 38
July 3			
COL	e(P)		02 12 59
July 3			
TUC	e(P)		03 57 38
July 3			
OV	e(P)		04 35 14
July 3			
COL	iP		04 57 43
	e		59 38
HH	iP		05 00 08
July 3, H = 10 03 36* 8½°N, 141°E. Caroline Islands.			
BER	iPP		10 26 35
	e(SKS)		30 42
	eL		58 20
BC	eP		10 17 09
	e		17 24
BUT	eP		10 17 25
	eSKS		27 50
	eL		46 15
CHI	ePP		10 23 07
	eS		30 46
	eL		48 23
COL	eP		10 15 13
	iP		15 14
	i		16 19
	ePP		18 02
	i		18 45
	ePPP		19 46
	iS		24 45

Date and Station		Phase	(GCT) h m s
COL	eSS		10 29 44
	eSSS		32 38
	eL		34 38
	eP'P'		42 42
	eSKPP'		46 16
COLU	eL		10 50 20
HONO	eP		10 13 44
	eS		21 45
	eSS		25 14
	eL		28 18
HH	iP		10 16 54
	ePP		20 34
	eSKS		27 29
	eS		28 29
	ePKKP		33 50
LIN	ePP		10 22 13
	eSSS		42 13
LOG	eP		10 17 12
	ePP		21 09
	i		21 35
	eS		28 26
	ePPS		30 11
	eSS		35 04
	eL		42 05
OV	iP		10 17 09.1
	i		18 20.3
	eS		29 03
PHIL	ePP		10 24 02
	ePS		33 53
	eSS		39 57
	e		48 05
	eL		54 11
PF	eP		10 17 11
	i		17 25.2
	ePP		21 05
	iPP		21 17.8
SLC	e(P)		10 16 43
	ePP		21 09
	eL		45 41
SJ	eP'		10 23 11
	ePP		26 10
	eSS		44 46
	eL		11 00 23
SH	iP		10 16 37
	i		16 50
	ePP		20 20
	eS		27 08
SIT	eP		10 15 44
	eS		25 46
	iS		25 47
	eSS		30 50
	eL		36 52
TUC	eP		10 17 28
	ePP		21 20
	eSKS		27 31

Date and Station		Phase (GCT)
		h m s
TUC	eSS	10 37 15
	iL	44 09
UK	e(P)	10 16 44
	eS	27 24
	eL	39 50
WASH	e(S)	10 22 37
	eL	11 03 20
July 3		
COL	iP	10 50 39
July 3, H = 12 29 13* 24°S, 176°W. Tonga Islands region.		
BC	eP	12 41 42
	e	42 52
COL	iP	12 42 19
	ePP	46 17
	eS	53 20
	eL	13 12 22
HH	iP	12 42 18
LOG	eP	12 42 08
OV	iP	12 41 45.6
	i	42 09.6
	i	42 44.9
	i	43 04.6
PF	iP	12 41 45.4
	i	42 44
SH	eP	12 41 32
TUC	iP	12 41 45
	e	42 35
	eL	13 09 24
July 3		
OV	i(P)	16 19 22.1
PF	eP	16 19 27
July 3		
OV	e(P)	20 13 27
	i	13 31.4
July 3		
BER	eL	20 51 40
July 3		
COL	eP	21 09 01
HH	iP	21 10 50
PF	iP	21 11 09.0
July 4		
COL	eP	01 35 44
July 4		
BC	eP	16 34 43
OV	iP	16 34 44.8
PF	iP	16 34 45
SH	eP	16 34 27
TUC	eP	16 34 50
July 5		
COL	e(P)	00 48 43
July 5, H = 03 34 59* 19°S, 168°E. New Hebrides Islands.		
BC	eP	03 48 08
	e	48 32
COL	eP	03 48 04
	eS	58 27
	eScS	59 11
	eP'P'	04 14 39
	eL	04 19 29
HONO	eL	03 58 13
OV	iP	03 48 10.0
PHIL	eL	04 36 20
PF	iP	03 48 10.4
SLC	eL	04 23 31
SH	iP	03 47 51
SIT	eL	04 17 40
TUC	eP	03 48 14
	iP	48 15
	e	50 59
	eP'P'	04 14 13
	eL	21 38
WASH	eL	04 40 42
July 5		
PF	eP	07 18 13
July 5		
BC	eP	07 57 19
COL	eP	08 01 46
HH	eP	07 58 37
	e	58 47
OV	iP	07 57 21.0
PF	i	07 57 16.5
TUC	eP	07 56 33
	i	56 56
	eS	08 03 45
	eL	05 28
July 5		
BC	e(P)	08 18 39
COL	eP	08 14 37
COL	iP	08 14 39
	eS	20 55
	eL	24 27
HH	eP	08 17 24
	e	17 50
OV	e(P)	08 18 18
SH	eP	08 17 53
TUC	eP	08 18 41
July 5		
PF	e(P)	10 10 27
July 5		
SH	eP	16 41 00
July 5, H = 18 30 13* 62°N, 154°W. Southern Alaska.		
BC	eP	18 37 14
COL	iP	18 31 11
	eS	31 59
	eL	32 26
HH	iP	18 35 48
PF	iP	18 37 16.5
SH	iP	18 36 12
SIT	eS	18 34 50
	eL	35 46
TUC	eP	18 37 56
	e	38 44
WASH	eL	18 55 18
July 5		
COL	e(P)	21 48 21
	i	48 27
July 5		
BC	eP	22 08 44
PF	eP	22 08 54
SH	eP	22 08 36
July 5		
COL	e(P)	23 44 53
	e	45 03
July 6		
HH	eP	04 16 52
	e	17 25
SH	eP	04 16 46
	e	17 19
TUC	eP	04 15 33
July 6		
COL	eP	07 14 47
	e	15 39
	eL	42 00
HH	eP	07 16 39
July 6		
COL	e(P)	11 19 32
	e	19 38
PF	iP	11 17 12.6
	e	19 12
TUC	iP	11 17 15
July 6		
COL	e(P)	11 32 33
July 6		
COL	eP	14 16 56
	e	17 03
July 6		
OV	e(P)	18 17 35
PF	e(P)	18 17 34
July 6		
COL	eP	22 40 52
	e	41 10
July 7		
OV	eP	02 40 25
July 7		
OV	iP	03 44 45.9
PF	iP	03 44 46.5
TUC	eP	03 44 51
July 7		
OV	eP	04 39 35
	e	39 46
	iS	40 37
PF	iP	04 39 34.0
	iS	40 18.1
	i	40 35
July 7		
OV	i(P)	05 16 40.4
PF	eP	05 16 49.1
TUC	e(P)	05 17 46
July 7		
HH	eP	05 23 12
OV	iP	05 23 55.9
PF	i(P)	05 24 04
TUC	eP	05 25 02

Date and Station	Phase	Phase (GCT) h m s
July 7, H = 11 35 36 By PAS, 33°50'N, 116° 16'W. North of Indio, Calif. Mag. 3.2.		
BC	eP	11 36 22
OV	iP	11 36 34.6
	iS	37 12.7
	i	37 17.3
PF	iP	11 36 23.5
	eS	36 56
July 7		
PF	iP	14 26 37
July 7		
PF	eP	15 58 41
July 7		
COL	iP	16 26 55
	e	27 05
	e	27 14
OV	iP	16 26 23.2
PF	iP	16 26 22.7
July 7, H = 16 46 54* 11°S, 164°E. Solomon Islands.		
BER	ePP	17 08 20
	e	09 40
	eSKKS	15 28
	ePPS	20 00
	eSS	25 40
	eL	41 40
BC	eP	16 59 55
	ePP	17 03 26
BOZ	eP	17 00 31
	eSKS	11 04
	eSS	18 14
	eL	25 32
BUT	e	17 01 31
	eSKS	10 31
	eS	11 23
	eL	27 01
CHI	e	17 11 19
	ePS	15 39
	eL	38 19
COL	iP	16 59 23
	i	59 32
	i	59 35
	e	59 44
	eS	17 09 46
	eSS	15 04
	eL	21 44
HONO	eS	17 02 50
	eSS	06 23
	eL	07 20
HH	iP	17 00 09
LIN	e	17 08 36
	ePS	14 46
	e(SS)	21 30
	eL	29 28
LOG	eP	17 00 11
	e	00 29
	e	07 29
	eSKS	10 44
	eS	11 23
	e	12 36
	e(SS)	18 32
	eL	35 25
OV	iP	16 59 57.2
	iPP	17 03 29.2
PF	iP	16 59 58.4
	iPP	17 03 31
SLC	eP	17 00 12
	eSKS	17 10 48
	eL	31 42
SJ	i(PP)	17 09 34
	ePKS	10 33
	eL	39 45
SH	iP	16 59 34
SIT	eP	16 59 33
	eS	17 09 54
	e	11 05
	eSS	15 34
	eL	25 18
TUC	eP	17 00 06
	ePP	03 36
	eSKS	11 11
	e(SS)	17 51
	eL	28 08
UK	eP	16 59 36
	eS	17 09 59
	e(SS)	16 24
	eL	21 05
WASH	eL	17 52 11
July 7, H = 16 54 10* 11°S, 163°E. Solomon Islands aftershock.		
BC	iP	17 07 13
	ePP	10 42
COL	eP	17 06 39
	iP	06 41
	i	06 50
	e	07 42
HH	iP	17 07 26
OV	iP	17 07 14.4
	iPP	10 46.2
PHIL	eS	17 22 22
	eL	40 24
PF	iP	17 07 14.8
	iPP	10 47.7
SH	iP	17 06 51
TUC	eP	17 07 27
July 7		
PF	iP	17 26 36.9
July 7		
PF	eP	20 28 18
July 7		
COL	eP	22 51 02
OV	e(P)	22 50 28
July 7		
BC	e(P)	23 54 06
July 8		
TUC	eP	00 02 57
July 8, H = 03 31 41* 33½°S, 179½°W. Kermadec Islands region. Mag. 5½ - 6.		
BC	eP	03 44 51
OV	iP	03 44 54.1
PF	iP	03 44 53.3
SH	eP	03 44 45
TUC	eP	03 44 51
	iP	44 52
July 8		
BH	iP	04 27 45
	eS	27 53
July 8		
HH	iP	07 20 02
July 8		
COL	eP	17 05 45
July 8		
COL	eP	17 43 35
PF	e(P)	17 43 01
July 8		
HH	iP	18 43 43
PF	iP	18 42 51.9
SH	e(P)	18 43 32
TUC	eP	18 42 25
July 8		
COL	eP	20 00 23
HH	e(P)	20 01 07
PF	iP	20 00 57.0
SH	e(P)	20 00 32
July 8		
OV	i(P)	23 16 14.4
July 9, H = 00 03 02* 10°S, 161°E. Solomon Islands.		
BC	eP	00 16 10
	e	17 34
	ePP	19 41
COL	iP	00 15 32
	eS	25 54
	eL	36 14
HONO	eL	00 55 47
HH	eP	00 16 23
OV	iP	00 16 14.2
	iPP	19 57
PHIL	eL	00 53 09
PF	iP	00 16 09.5
	ePP	19 51.5
SH	eP	00 15 48
SIT	eS	00 26 10
	eL	37 45
TUC	eP	00 16 25
	eL	45 57
July 9, H = 00 28 24* 25½°N, 63°E. Pakistan.		
BER	eL	01 09 30
COL	iP	00 41 11
	i	41 21
	i	41 45
	ePP	44 36
	eS	51 34
	eL	01 02 54
HH	ePP	00 47 08
TUC	eP'	00 47 23
	e	47 32
July 9, H = 01 39 29* 33°S, 112°W. About 500 miles southwest of Easter Island. Mag. 6-3/4.		

Date and Station		Phase (GCT) h m s
BH	eP	01 48 27
BER	eP	01 51 42
	eS	02 01 38
	eSS	06 24
	eSSS	10 05
	eL	12 10
BC	eP	01 50 36
	i	50 50
	ePP	53 05
	eS	59 40
BOZ	eP	01 51 32
	ePP	54 32
	eS	02 01 28
	eSS	06 32
	eL	14 08
BUT	eP	01 51 36
	eS	02 01 31
	eSS	06 38
	eL	16 22
CHI	eP	01 51 26
	ePP	54 17
	eS	02 01 16
	eSS	06 10
	eL	17 00
COL	eP	01 53 22
	ePP	57 32
	iSKS	02 04 10
	ePS	06 28
	eSS	12 10
	eL	26 50
COLU	eS	02 00 20
HONO	e	01 51 08
	eS	02 00 10
	eL	10 06
HH	iP	01 51 47
	iPP	54 55
	eP'P'	02 18 36
LIN	eS	02 00 45
	eSSS	09 06
	eL	12 09
LOG	eP	01 51 09
	ePP	54 17
	e	02 03 04
	eSS	05 44
	eL	16 09
OV	iP	01 50 39.5
PHIL	iP	01 51 41
	ePP	54 29
	ePPS	02 02 44
	e	03 34
	eL	12 05
PF	iP	01 50 36.5
SLC	eP	01 50 02
	ePP	53 48

Date and Station		Phase (GCT) h m s
SLC	eS	02 00 32
	eL	04 44
SJ	eP	01 50 22
	e(PP)	53 30
	eS	59 11
	eL	02 06 21
SH	iP	01 51 08
SIT	eP	01 52 40
	eSKS	02 03 20
	eSS	09 40
	eSSS	13 44
	eL	18 36
TUC	eP	01 50 11
	e	52 06
	ePP	52 40
	ePPP	54 17
	eS	58 41
	eSS	02 03 07
	eL	06 24
UK	eP	01 50 59
	eS	02 00 26
	eSS	05 15
	eL	12 36
WASH	iP	01 51 32
	eL	02 22 16
July 9		
BC	e(P)	02 19 00
OV	eP	02 19 02
TUC	eP	02 19 25

July 9, H = 02 35 30* 8°N, 73°W. Northern Colombia. Destructive in Arboleta, Cucutilla, Salazar de las Palmas, Cucuta, and Mutizca, Colombia; and in San Cristobal, Venezuela. 211 killed and 500 injured. Damage estimated at $5 million.

Date and Station		Phase (GCT) h m s
BH	iP	02 37 05
	iS	38 18
BC	iP	02 44 08
	i	44 41
	ePP	45 57
	ePPP	46 33
	eS	50 58
BOZ	iP	02 44 28
	eS	51 42
	eL	57 02
BUT	eP	02 44 37
	eS	51 56
	eSS	55 10
CHI	eP	02 42 34

Date and Station		Phase (GCT) h m s
CHI	ePP	02 43 57
	eL	51 01
COL	iP	02 47 22
	ePP	50 11
	iPP	50 15
HH	iP	02 44 51
	ePP	46 56
	eS	52 24
LIN	ePP	02 44 30
	e(S)	49 06
	eL	52 08
LOG	eP	02 44 13
	e(PP)	46 15
	i	46 30
	eS	51 12
	eL	55 21
OV	iP	02 44 10
PHIL	eP	02 42 08
	eS	47 07
	eL	49 05
PF	iP	02 44 03.9
SLC	eP	02 44 12
	ePP	46 02
	eS	50 44
	eL	55 50
SJ	eP	02 38 25
	iP	38 26
	iS	41 15
	eL	42 11
SH	iP	02 45 00
	ePP	47 01
TUC	iP	02 43 31
	ePP	45 11
	eS	50 02
	eL	53 09
WASH	iP	02 41 53

July 9, H = 03 28 59** Northern Colombia aftershock.

Date and Station		Phase (GCT) h m s
BC	eP	03 37 37
HH	iP	03 38 19
OV	iP	03 37 36.1
PF	iP	03 37 32.0
SJ	eL	03 51 33
SH	eP	03 38 29
TUC	eP	03 36 59

July 9, H = 03 34 27** Azores Islands region.

Date and Station		Phase (GCT) h m s
BC	eP	03 45 07
HH	iP	03 44 20
LOG	eP	03 44 35
	e	47 40
OV	iP	03 45 03.4
SH	eP	03 45 23
TUC	eP	03 45 02

July 9, H = 03 38 33** Azores Islands aftershock.

Date and Station		Phase (GCT) h m s
BC	eP	03 49 13
HH	eP	03 48 26
OV	iP	03 49 08.9
PF	eP	03 49 08
SH	eP	03 49 25
TUC	eP	03 49 07
	eL	04 09 32

July 9, H = 04 40 03* 8°S, 71°W. Western Brazil. h=about 650 km. Mag. 7.

Date and Station		Phase (GCT) h m s
BH	iP	04 43 43
	iS	46 45
BER	eP	04 46 52
	iP	47 05
	epP	48 35
	esP	49 30
	i	50 08
	ePPP	51 20
	iS	52 20
	i	52 32
	esS	55 10
BC	eP	04 49 17
	iPcP	49 57
	ipP	51 17
	iPP	51 43
	esP	52 13
	eScP	53 00
	eS	56 45
	eScS	58 07
	ePKKP	05 07 05
BOZ	eP	04 49 43
	iP	49 48
	i	50 58
	esP	52 54
	eS	57 34
	iS	57 38
	eScS	58 38
	i	58 54
	esS	05 01 08

Date and Station		Phase (GCT) h m s
BOZ	eSS	05 01 58
	eL	03 28
BUT	eP	04 49 48
	iP	49 53
	iS	57 48
	eSS	05 02 30
	eL	05 22
CHI	eP	04 48 16
	ePcP	49 23
	esP	51 23
	iS	54 29
	e	54 51
	iScS	57 02
	esS	58 01
	iL	05 01 15
COL	iP	04 52 08
	ipP	54 24
	e	55 10
	iPP	55 52
	ePPP	58 10
	eSKS	05 01 40
	eS	02 07
	iS	02 10
	i	02 38
	isS	06 12
	isSS	12 12
	eP'P'	19 23
COLU	eP	04 47 14
	ePP	49 04
	esP	50 15
	iS	52 56
	eScS	56 02
HONO	eP	04 52 02
	iP	52 04
	e	54 30
	eSKS	05 01 37
	eS	02 10
	e	03 34
	e	05 53
	eL	15 30
HH	iP	04 50 04
	epP	52 07
	eS	58 10
	iS	58 15
	eP'P'	05 17 23
	iP'P'	18 06
	iSKPP'	20 38
LIN	iP	04 48 34
	esP	51 41
	eS	55 18
	eScS	57 16
	eL	05 01 30
LOG	iP	04 49 28
	i	49 32
	e	51 42
	i	51 49
	esP	52 32
	iScP	53 01
	eS	57 03
	iS	57 09
	iScS	58 02
LOG	eP'P'	05 17 41
	iP'P'	18 34
	eSKPP'	20 55
	iSKPP'	21 01
OV	iP	04 49 18
	epP	51 16
	eS	56 52
PHIL	iP	04 47 51
	ePcP	49 11
	epP	49 45
	isP	50 59
	ePcS	52 57
	eS	53 48
	iS	54 08
	iScS	56 37
	eL	05 00 43
PF	iP	04 49 14.0
	iS	56 43.5
SLC	eP	04 49 26
	iP	49 30
	epP	51 08
	esP	52 34
	eS	56 58
	iS	57 04
	iScS	58 06
	eL	05 00 32
SJ	eP	04 45 00
	e	46 37
	iPcP	47 50
	iS	48 45
	eL	49 10
	i	51 03
	iScS	54 35
SH	iP	04 50 02
	epP	52 09
	e	53 33
	e	55 43
	eS	58 11
	iP'P'	05 18 15
SIT	iP	04 51 32
	epP	54 44
	eS	05 00 52
	iS	00 54
	eSP	02 05
	iSP	02 06
	esS	04 48
	eSSS	10 30
	i	11 00
TUC	iP	04 48 43
	i	48 47
	iPcP	49 28
	ipP	50 38
	ePP	51 04
	i	51 54
	iScP	52 36
	eS	55 18
	i	55 42
	i	55 49
	i	56 47
	eL	58 54
TUC	eSS	04 59 40
	eP'P'	05 17 33
	eSKPP'	21 13
UK	eP	04 50 04
	iP	50 07
	esP	53 04
	iS	58 12
	i	05 00 04
	eSS	03 08
	eL	06 50
WASH	iP	04 47 43
	e	48 15
	esP	50 39
	eS	53 44

July 9, H = 04 50 05*
8°S, 71°W. Western
Brazil aftershock.
h=about 650 km.
Mag. 6-3/4 - 7.

Date and Station		Phase (GCT) h m s
BH	iP	04 53 43
	iS	56 45
BC	eP	04 59 18
	iPcP	05 00 04
	ipP	01 13
	ePP	01 40
	esP	02 14
	eS	06 47
	ePKKP	17 59
	e(P'P')	27 57
	e	30 56
CHI	iP	04 58 18
	eS	05 04 36
	iScS	06 59
	eL	11 09
COL	iP	05 02 09
	ipP	04 25
	ePP	05 55
	eSKS	11 40
	eS	12 12
HONO	eP	05 02 04
	epP	04 22
	eSKS	11 20
HH	iP	05 00 05
	epP	02 12
	eS	08 14
	eP'P'	27 24
	iP'P'	28 07
	iSKPP'	30 39
LIN	eP	04 58 38
	eS	05 05 20
	eScS	07 16
	e	08 03
	eL	11 24
LOG	eP	04 59 30
	iP	59 31
	iS	05 07 03
	eP'P'	28 34
	eSKPP'	31 02
OV	iP	04 59 19
	ePKKP	05 18 00
	e	26 19
	i	29 18
PHIL	iP	04 57 51
	i	05 00 57
PF	iP	04 59 14.8
	iS	05 06 40.5
	e(PKKP)	17 21
	eSKKP	20 53
	e	26 11
	eP'P'	28 32
SLC	eP	04 59 08
	eS	05 07 02
SJ	eP	04 55 02
	iS	58 50
	eL	05 00 26
	iScP	00 58
	iScS	04 30
SH	iP	05 00 04
	eS	07 52
	eP'P'	27 50
TUC	iP	04 58 44
	iPcP	59 36
	i	59 52
	epP	05 00 39
	esP	01 41
	eScP	02 30
	e(S)	05 20
	eS	05 39
	esS	08 48
	eSS	09 56
	e	31 18
UK	eP	05 00 04
	eS	08 12
	e	14 26
WASH	iP	04 57 46
	eS	05 03 55
	e	13 43

July 9

PF	e(P)	05 36 14
TUC	e(P)	05 35 54

July 9

COL	e(P)	05 52 17
	e	54 27

July 9

BC	eP	08 06 37
HH	eP	08 06 02
OV	iP	08 06 37.9
PF	iP	08 06 44.1
SH	e(P)	08 04 53

Date and Station		Phase (GCT)
		h m s
TUC	eP	08 07 41
July 9, H = 09 45 01* 8°S, 72°W. Western Brazil aftershock. h=about 650 km. Mag. 6¼ - 6½.		
BH	iP	09 48 41
	iS	51 41
BER	eP	09 52 05
	esP	55 00
	ePPP	56 16
	iS	57 30
	e	10 00 00
BC	iP	09 54 13
	iPcP	54 54
	epP	56 01
	ePP	56 15
	isP	56 50
	eS	10 01 43
	eScS	10 02 38
BOZ	eP	09 54 54
	eS	10 02 32
	eScS	03 30
	eSS	06 48
BUT	eP	09 54 52
	eS	10 02 26
CHI	ePcS	09 58 18
	eS	59 46
	iScS	10 02 00
COL	iP	09 57 06
	ipP	59 22
	ePP	10 00 49
	eSKS	06 32
	iSKS	06 39
	iS	07 08
	esS	11 44
	ePKKP	14 23
	eL	21 14
HONO	eSKS	10 06 20
HH	iP	09 55 02
	iS	10 03 09
	eP'P'	10 22 28
	iP'P'	23 08
	eSKPP'	35 38
LIN	eS	10 00 14
LOG	eP	09 54 27
	iP	54 29
	esP	57 21
	eS	10 02 02
	iS	02 06
	i	02 39
	eP'P'	23 23
	iP'P'	23 38
OV	iP	09 54 15.3
	ipP	56 23

Date and Station		Phase (GCT)
		h m s
OV	isP	09 57 14
	eS	10 01 40
PHIL	iP	09 52 51
	ePcS	58 06
	eS	58 46
	eSS	10 02 41
PF	iP	09 54 10.6
	iS	10 01 36.6
SLC	eP	09 54 22
	iS	10 01 56
	iScS	03 10
	eSS	05 50
SJ	eP	09 50 00
	esP	52 47
	isP	52 48
	e(S)	53 33
SH	iP	09 55 00
	epP	57 09
	iPP	57 43
	eS	10 03 07
	eScS	03 41
	eP'P'	22 27
	eP'P'	22 59
	$eP'_2eP'_2$	23 14
	e	25 28
SIT	eP	09 56 28
	eS	10 05 50
	iS	06 00
	e(SS)	10 52
	eL	18 50
TUC	eP	09 53 39
	ePcP	54 25
	epP	55 38
	esP	56 43
	iScP	57 33
	eS	10 00 33
	iS	00 39
	eScS	02 28
	esS	03 26
	eSS	05 03
	eL	06 46
	eP'P'	23 26
	e	26 16
WASH	iP	09 52 42
July 9		
SJ	eP	09 53 47
	iS	56 55
	eL	58 17
July 9		
SJ	e	09 56 20
	iS	59 32
	eL	10 00 30
July 9		
BC	eP	10 23 14
	e	23 31
	e	25 40
	e(S)	25 59

Date and Station		Phase (GCT)
		h m s
OV	eP	10 23 08
	i	23 32
	i	26 01
PF	eP	10 23 06
July 9, H = 12 34 13* 8°N, 73°W. Northern Colombia aftershock.		
BC	eP	12 42 53
	ePP	44 52
HH	eP	12 43 35
LOG	eP	12 43 07
OV	iP	12 42 52.9
PF	iP	12 42 47.8
SJ	eP	12 37 10
	e	37 35
	eS	39 43
	eL	40 42
SH	eP	12 43 45
TUC	eP	12 42 15
	iP	42 20
July 9		
OV	eP	14 37 07
PF	eP	14 35 43
	e	36 40
TUC	e(P)	14 35 34
	e	36 05
	e	36 15
	iL	36 22
July 9, H = 16 10 20* 36½°N, 71°E. Hindu Kush. h=about 220 km.		
BC	eP	16 24 19
	epP	25 13
	ePP	28 53
	eSKS	34 38
	eS	36 13
BUT	eP	16 23 34
	epP	24 14
	eS	34 42
	esSS	43 05
CHI	e	16 35 37
	ePPS	37 56
	eL	51 16
COL	iP	16 21 35
	ipP	22 27
	i	23 45
	ePP	24 28
	epPP	25 39
	epPPP	27 11
	iS	30 50

Date and Station		Phase (GCT)
		h m s
COL	isS	16 32 21
	eSS	35 42
	eSSS	39 10
	eL	40 52
	e(SKPP')	52 15
HH	iP	16 23 21
	ipP	24 15
	eSKS	33 37
	eS	34 14
LOG	eP	16 23 52
	ePP	28 05
	epPP	29 17
	eS	35 20
OV	e	16 25 10
	eP'	28 10
	iPP	28 29
PHIL	ePP	16 27 29
	epPPP	30 45
	e(S)	35 06
	i	37 39
	eL	53 36
PF	eP	16 24 18
	eP'	28 05
	ePPS	39 11
	e(PKKP)	39 38
SJ	ePP	16 29 16
	ePPS	40 00
	e(SS)	45 09
	eL	55 07
SH	eP	16 23 52
	ePP	27 54
	e(PKKP)	39 53
	e	41 11
TUC	eP'	16 28 31
	ePP	29 00
	epPP	30 29
	ePS	38 23
	ePPS	40 22
	eL	55 37
WASH	ePP	16 27 43
July 9		
COL	eP	17 49 49
PF	eP	17 53 54
SH	iP	17 52 45
July 9, H = 19 17 12* 36½°S, 103°W. Pacific Ocean. About 600 miles south of Easter Island.		
BC	eP	19 28 43
	e	28 55
HH	iP	19 29 46
OV	iP	19 28 44.3

Date and Station	Phase	Phase (GCT) h m s
OV	ePP	19 31 44
PHIL	eL	19 56 12
PF	eP	19 28 37
SH	eP	19 29 13
	e	33 01
TUC	eP	19 28 14
WASH	eL	19 58 24
July 9		
HH	iP	23 34 35
SH	eP	23 34 35
TUC	e(P)	23 33 14
July 9		
COL	eP	23 59 30
	eL	00 02 00
July 10, H = 05 33 32** Indian Ocean, about 400 miles north of Rodriguez Island.		
BER	ePP	05 56 25
	ePPS	06 12 52
	eL	30 30
BC	eP	05 53 23
	ePP	57 53
BOZ	eL	06 40 40
CHI	eP'	05 53 39
	eL	06 36 25
COL	ePP	05 55 52
	e	58 26
	eL	06 36 28
HH	eP'	05 52 55
LOG	eP'	05 53 35
OV	eP'	05 53 21
	ePP	57 49
PHIL	eL	06 31 30
PF	eP'	05 53 16
	ePP	57 24
SLC	eL	06 54 55
SJ	eL	06 33 26
SH	eP'	05 53 24
	e	53 40
	ePP	57 28
SIT	e	06 01 24
	eL	38 50
TUC	eP'	05 53 17
	e	54 23
	ePP	58 05
	eL	06 54 53
WASH	eL	06 48 09
July 10, H = 13 51 20* 21°S, 178½°W. Fiji Islands. h=about 600 km.		
BC	iP	14 02 50
	e	03 06
	epP	04 53
COL	eP	14 03 15
	iP	03 16
	ipP	05 23
	iS	13 13
HH	eP	14 03 22
	epP	05 19
LOG	eP	14 03 13
	epP	05 17
	eS	13 13
OV	iP	14 02 52.7
	ipP	04 55.3
PF	iP	14 02 52.3
	epP	04 54
SH	iP	14 02 38
	epP	04 41
TUC	iP	14 02 54
	e	03 11
	epP	05 08
July 10		
PF	eP	14 31 47
July 10		
BC	e(P)	19 45 41
OV	iP	19 45 13.9
PF	iP	19 45 13.6
SH	eP	19 45 47
TUC	eP	19 45 14
July 10		
COL	eP	21 12 13
July 11		
COL	eP	03 59 52
July 11		
PF	e(P)	05 45 49
July 11		
BC	e(P)	07 14 13
HH	iP	07 14 00
OV	iP	07 13 49.4
PF	eP	07 13 16
TUC	eP	07 12 44
July 11		
PF	e(P)	08 53 07
July 11		
HH	eP	08 52 24
July 11, H = 09 19 42 By PAS, 35°23'N, 119°15'W. West of Bakersfield, Calif. Mag. 3.6.		
OV	eP	09 21 00
	iS	21 33
SH	eP	09 22 45
July 11		
BC	eP	16 24 38
COL	eP	16 28 49
HH	iP	16 26 10
LOG	e(P)	16 25 18
	e	25 31
PF	iP	16 24 36.3
SH	eP	16 25 33
TUC	eP	16 24 02
July 11		
COL	e(P)	17 38 58
HH	iP	17 38 27
SH	e(P)	17 38 29
July 12		
PF	eP	00 18 49
July 12, H = 01 36 19* 1°S, 102°W. Pacific Ocean. 700 miles west of Galapagos Islands.		
BC	eP	01 43 45
HONO	eL	02 02 06
HH	eP	01 45 16
OV	iP	01 43 48
PHIL	eP	01 45 00
	ePP	47 12
	eS	51 44
	eL	55 24
PF	iP	01 43 43
SH	eP	01 44 39
	e	45 34
TUC	eP	01 43 03
	e	43 32
	ePP	44 13
	eS	48 18
	eL	50 26
July 12		
COL	e(P)	03 33 20
July 12		
HH	eP	04 40 48
OV	eP	04 40 59
PF	eP	04 40 49
TUC	eP	04 40 32
July 12, H = 11 09 12* 53°N, 167°W. Fox Islands, Aleutian Islands. Mag. 6¼.		
BER	eP	11 20 42
	e	21 38
	eS	29 44
	e	30 38
	eL	38 36
T_P=2 sec. A = 2mm. T_S=10 sec. A = 5mm. T_L=18 sec. $A_{max.}$= 5mm.		
BC	iP	11 16 50
	ePP	18 35
	eS	22 59
BOZ	eP	11 16 39
	eS	22 03
	eL	24 45
BUR	eS	11 26 08
	eSS	30 24
	eL	33 04
BUT	eP	11 16 12
	eS	21 39
	eL	24 19
CHI	eP	11 18 27
	eS	25 47
	e	28 11
COL	eP	11 12 53
	iP	12 57
	eS	15 37
	i	15 56
	eL	17 17
HONO	ePP	11 16 47
	eS	20 48
	eL	22 35

Date and Station		Phase (GCT)
		h m s
HH	iP	11 15 53
	iPcP	18 34
	eS	21 11
	eScS	26 14
LIN	ePP	11 19 49
	eS	24 45
	e(SS)	27 43
	eL	28 37
OV	iP	11 16 49.6
	i	17 13
	i	17 55
	iPP	18 20
	eS	22 39
PHIL	eP	11 19 28
	iS	27 41
	eL	28 06
PF	iP	11 16 53.8
	eS	23 05
SLC	eP	11 16 38
	ePP	18 02
	iS	22 38
	eL	25 28
SJ	eP	11 21 40
	eS	31 48
	iS	31 49
	eL	47 07
SH	iP	11 15 46
	e	16 00
	eS	21 02
	eL	25 00
SIT	iP	11 13 35
	i	14 10
	iS	17 08
	eL	18 58
TUC	iP	11 17 30
	i	17 46
	i	18 06
	i	18 35
	e(PP)	19 25
	e(PPP)	20 10
	eS	24 05
	eL	27 23
UK	eS	11 21 12
	eL	23 10
WASH	eP	11 19 25
	eL	41 39
July 12, H = 11 48 01* 20°S, 175°W. Tonga Islands. h=about 100 km.		
BC	eP	12 00 04
	iP	00 05
	ePP	03 02
COL	eP	12 00 41
	eS	11 14
COL	esS	12 11 41
	eL	29 19
HH	iP	12 00 41
OV	iP	12 00 07.6
	ipP	00 45.6
	i	01 12.6
	i	01 52.6
PF	iP	12 00 07.0
SH	iP	11 59 52
	ipP	12 00 26
	ePP	02 46
	epPP	03 03
TUC	eP	12 00 09
	iP	00 10
	epP	00 31
	i	01 05
	e(S)	09 23
	eL	24 30
July 12		
PF	e(P)	12 26 57
July 12		
BH	eP	15 50 58
	iS	51 29
July 12, H = 15 46 51** Off east coast of Kamchatka. h=about 100 km.		
BC	eP	15 56 26
COL	eP	15 52 07
	iP	52 13
	eS	56 28
	eL	58 51
HH	iP	15 55 24
OV	iP	15 56 25.5
	iPcP	57 29.0
PHIL	eL	16 22 28
PF	iP	15 56 29.5
SH	iP	15 55 31
SIT	eS	15 58 42
	eL	16 00 52
TUC	iP	15 57 01
July 12		
HH	iP	17 59 31
OV	iP	18 00 13.0
PF	iP	18 00 15.6
SH	eP	17 59 29
July 12		
BC	eP	18 08 29
	epP	08 54
COL	eP	18 12 40
HH	eP	18 09 44
OV	eP	18 08 30
	ipP	08 50
PF	eP	18 08 25
	ipP	08 45
SH	eP	18 09 54
TUC	eP	18 07 44
	epP	08 02
	i	08 37
July 12, H = 20 57 10** South of Alaska Peninsula		
BC	eP	21 04 04
COL	eP	21 00 07
	eS	02 37
	eL	03 35
HH	eP	21 03 05
OV	iP	21 04 03.3
	i	04 11
PF	eP	21 04 06
SH	eP	21 03 00
TUC	e(P)	21 04 42
	eP	04 48
July 12, H = 21 26 25** Near south coast of Karafuto. h=about 500 km.		
BC	i(P)	21 37 07
COL	iP	21 33 20
HH	iP	21 36 11
OV	iP	21 37 00.6
	ipP	38 44
PF	iP	21 37 03.5
SH	iP	21 36 14
	epP	37 56
TUC	iP	21 37 28
July 13		
BC	eP	02 53 52
HH	eP	02 53 27
OV	iP	02 53 52.4
PF	iP	02 53 54.4
SH	iP	02 53 13
TUC	eP	02 54 14
July 13		
BC	eP	03 47 59
July 13, H = 04 03 50* 27½°N, 139½°E. Bonin Islands region. h= about 500 km. Mag. 6-3/4 - 7.		
BC	eP	04 15 43
	ipP	17 33
	esP	18 26
	ePP	19 09
	eSKS	25 18
	eSKPP'	44 19
BER	ePP	04 22 59
	eSKS	27 49
	eSKKP	31 40
T_{SKS} = 5 sec. A = 5mm.		
BOZ	eP	04 15 29
	epP	17 13
	e(PP)	18 39
	eS	25 00
	iS	25 02
	esS	28 17
BUT	iP	04 15 24
	epP	17 16
	iS	24 51
	esS	28 07
CHI	e(SKS)	04 25 54
	i	31 34
COL	iP	04 12 59
	i	13 13
	i	13 31
	iPcP	13 52
	ePP	15 13
	isP	15 39
	eScP	16 50
	iS	20 17
	iScS	21 55
	esS	23 05
	e(P'P')	42 16
	e	44 37
HONO	iP	04 12 53
	eS	20 08
HH	iP	04 15 12
	ipP	16 59
	iS	24 31
	eP'P'	41 30
	eSKPP'	44 25
OV	iP	04 15 42.2
	ipP	17 33.1
	isP	18 26.1

Date and Station		Phase	(GCT)
			h m s
OV	iPP		04 19 07.3
	i		19 40.1
	ipPPP		22 36
	iSKS		25 21.5
	iSKPP'		44 20
PHIL	epPP		04 23 27
	esPP		24 12
	iSKS		27 01
	eSKKS		27 47
	eSP		29 45
	eSPP		30 56
	e(SS)		36 57
	eL		47 59
PF	iP		04 15 45.3
	ipP		17 39.5
	iSKS		25 23.3
SLC	eP		04 15 39
	epP		17 28
	ePP		19 02
	iSKS		25 14
	eSP		26 28
SJ	ePP		04 24 15
	e(SKS)		29 50
	eSKKS		30 15
	e(SS)		40 12
	eL		58 24
SH	iP		04 15 04
	ipP		16 50
	iPP		18 09
	iS		24 15
	eSKPP'		44 39
SIT	iP		04 13 44
	ePP		16 13
	eS		21 22
	iS		21 44
	eScS		22 40
	esS		24 46
	eSS		26 20
	eSSS		29 20
	eL		29 42
TUC	iP		04 16 06
	ipP		17 57
	esP		18 35
	ePP		19 46
	epPPP		22 56
	eSKS		25 35
	eSKKS		25 50
	eS		26 16
	eSP		27 22
	esS		29 18
	eL		49 18
UK	eP		04 15 02
	eS		24 16
	eSSS		33 56
WASH	ePP		04 21 31
	epPP		23 19
	eSP		30 14

Date and Station		Phase	(GCT)
			h m s
July 13			
SH	eP		05 10 16
HH	iP		05 10 24
July 13			
COL	eP		12 45 35
July 13			
PF	eP		13 55 03
TUC	eP		13 55 05
July 13			
COL	e(P)		15 09 12
	eL		13 41
PF	e(P)		15 13 35
July 13			
COL	eP		22 17 01
July 14			
BC	eP		01 44 09
COL	eP		01 44 40
HH	eP		01 44 41
OV	eP		01 44 12
PF	iP		01 44 11.7
SH	iP		01 43 55
TUC	iP		01 44 15
July 14			
HH	iP		06 42 03
July 14			
HH	eP		07 07 36
July 14			
OV	e(P)		09 07 21
	e		12 15
PF	e(P)		09 07 04
	e		12 08
TUC	e		09 08 35
	e		13 51
July 14			
OV	e(P)		09 31 21
PF	e(P)		09 31 25
TUC	e(P)		09 30 28
	eL		33 13
July 14, H = 12 06 57* 52½°N, 168½°W. Fox Islands, Aleutian Islands.			
BC	eP		12 14 44

Date and Station		Phase	(GCT)
			h m s
COL	eP		12 10 52
	eS		13 59
	eL		15 17
HONO	e		12 16 38
	eL		12 20 35
HH	iP		12 13 47
	iPcP		16 28
OV	iP		12 14 43.1
PHIL	eL		12 39 26
PF	iP		12 14 47.0
SH	eP		12 13 40
SIT	iP		12 11 32
	eS		15 16
	eL		17 21
TUC	iP		12 15 24
	i		15 49
July 15			
PF	i(P)		05 13 05
TUC	eP		05 12 34
	i		12 46
July 15, H = 10 28 47** Tonga Islands after-shock. h=about 100 km.			
BC	eP		10 40 47
	epP		41 06
COL	iP		10 41 25
	epP		41 43
HH	iP		10 41 24
OV	iP		10 40 51.2
PF	iP		10 40 50.9
SH	iP		10 40 36
TUC	iP		10 40 52
July 15, H= 11 42 02** Off coast of Peru.			
COL	eP		11 55 08
HH	eP		11 52 33
OV	eP		11 51 49
PF	eP		11 51 54
July 15, H = 13 29 21** Tonga Islands. h=about 60 km.			
BC	eP		13 41 19

Date and Station		Phase	(GCT)
			h m s
COL	iP		13 41 57
HH	eP		13 41 56
OV	iP		13 41 23.9
PF	iP		13 41 23.0
SH	eP		13 41 06
	iP		41 08
TUC	iP		13 41 24
	e		41 42
July 15			
COL	eP		15 36 15
July 15			
COL	eP		16 01 19
PF	iP		16 01 26.0
TUC	iP		16 01 31
July 16			
BC	e(P)		03 56 59
COL	e		03 52 53
	eL		56 56
HH	e(P)		03 55 46
OV	eP		03 56 53
PF	eP		03 56 56
July 16			
COL	e(P)		05 41 59
July 16			
COL	e(P)		08 45 51
July 16			
COL	eP		09 38 38
July 16, H = 11 58 48* 2°S, 86°W. Galapagos Islands region.			
COL	eP		12 11 04
HH	eP		12 08 30
PF	eP		12 07 50
TUC	eP		12 06 43
July 17			
HH	eP		00 54 43
July 17			
HH	eP		04 07 39
HH	iP		04 56 04
July 17			
COL	iP		06 09 25

Date and Station	Phase	Phase (GCT) h m s
July 17, H = 08 56 26** Central Peru		
COL	eP	09 09 32
HH	eP	09 07 17
TUC	iP	09 05 47
July 17		
COL	e(P)	10 38 52
	e	39 27
July 17		
COL	iP	11 57 27
OV	iP	11 56 51.4
PF	iP	11 56 52.0
SH	e(P)	11 56 37
TUC	eP	11 56 53
July 17		
HH	e(P)	15 43 01
PF	iP	15 39 29.2
	iS	40 20
	i	40 23
SLC	e	15 38 36
	eL	38 54
SH	e(P)	15 42 36
July 17, H = 20 17 55* 21½°S, 171°E. Loyalty Islands. h=about 100 km.		
BER	ePP	20 40 20
	eSS	56 00
	eL	21 12 11
BC	iP	20 30 51
COL	iP	20 30 57
	ePP	34 30
	eS	41 56
	ePPS	43 20
	eL	57 12
HH	eP	20 31 16
	ePP	35 10
	ePKKP	47 59
	eP'P'	56 17
OV	iP	20 30 53.8
	i	31 04.7
PHIL	eSKKS	20 46 09
	eSS	55 10
	eL	21 07 09
PF	iP	20 30 53.7
	eS	42 30
SH	iP	20 30 37
	e	31 16
	e	32 19
SIT	eS	20 41 40
	eSS	47 38
	eL	56 20
TUC	eP	20 30 57
	i	31 37
July 17, H = 21 09 28** Near coast of northern Chile.		
BC	iP	21 20 46
HH	iP	21 21 34
	e	22 14
OV	iP	21 20 47.3
PF	iP	21 20 43.6
	i	21 31
SH	iP	21 21 29
TUC	iP	21 20 14
July 17		
HH	iP	21 33 49
	epP	34 04
PF	iP	21 32 28
SH	eP	21 33 38
TUC	eP	21 32 31
July 18, H = 01 33 12* 35°N, 136°E. Southern Honshu, Japan.		
COL	eP	01 39 01
HH	eP	01 40 10
SH	eP	01 39 47
July 18		
BC	e(P)	01 45 50
COL	iP	01 42 35
	e(S)	49 07
	eL	55 09
HH	eP	01 45 03
OV	eP	01 45 39
	e	45 46
PF	e(P)	01 45 57
SH	eP	01 45 00
	e	45 08
TUC	eP	01 46 19
July 18		
HH	eP	02 09 16
July 18		
COL	e(P)	05 08 42
HH	eP	05 11 39
OV	iP	05 12 34.3
SH	eP	05 11 35
TUC	iP	05 13 12
July 18		
BER	eL	06 59 00
July 18		
COL	eP	07 03 45
HH	iP	07 01 13
July 18		
COL	iP	08 13 17
HH	iP	08 14 26
July 18		
PF	eP	12 44 43
July 18		
COL	eP	16 37 56
	e	45 59
	e	50 57
	eL	17 02 53
HH	eP	16 39 45
OV	e(P)	16 45 07
PF	e(P)	16 43 45
SH	eP	16 39 33
	e	42 17
	e	43 27
TUC	e(P)	16 45 05
July 18		
PF	eP	18 09 47
July 18		
COL	e(P)	19 19 46
July 19		
COL	e(P)	03 10 30
OV	iP	03 09 58.7
PF	e(P)	03 09 54
	i	10 00
SH	eP	03 09 44
TUC	eP	03 10 01
July 19		
SH	eP	06 05 38
July 19, H = 10 52 09** Andreanof Islands, Aleutian Islands, h=about 150 km.		
BC	eP	11 00 42
COL	eP	10 56 50
	iP	56 52
	e	57 08
	eS	11 00 52
	e	01 15
	eL	02 12
HONO	eL	11 07 05
HH	iP	10 59 48
	e(S)	11 05 28
OV	iP	11 00 51.1
	i	01 03
	iPcP	02 14
	eS	07 49
PHIL	eS	11 12 14
	eL	24 24
PF	iP	11 00 45.2
	eS	07 46
SH	eP	10 59 42
	e	11 00 58
	e	01 09
	eS	05 50
SIT	eS	11 02 00
	eL	05 10
TUC	eP	11 01 18
	iP	01 19
WASH	eL	11 33 06
July 19		
COL	eP	11 04 26
July 19		
COL	e(P)	12 56 13
	e	56 42
OV	e(P)	12 59 01
PF	e(P)	12 58 42
	e	59 56
SH	e(P)	12 58 49
	e	59 00
TUC	e(P)	12 58 47
	e	13 00 16
July 19		
COL	e(P)	14 25 27
July 20		
COL	iP	00 34 29
	ipP	35 58

Date and Station	Phase	Phase (GCT) h m s
HH	iP	00 37 09
OV	iP	00 37 54.3
PF	eP	00 37 57
SH	iP	00 37 13
TUC	eP	00 38 20
July 20, H = 03 03 45** Northern Chile. Felt. h=about 100 km.		
BC	iP	03 15 22
	epP	15 51
HH	iP	03 16 10
	epP	16 36
OV	iP	03 15 23.6
PF	iP	03 15 19.9
SH	iP	03 16 01
TUC	iP	03 14 51
	ipP	15 10
July 20		
SH	eP	03 30 52
July 20		
PF	eP	03 38 24
	e	41 56
July 20		
HH	eP	05 51 23
	e	51 38
	eS	52 23
	eL	52 49
July 20, H = 09 30 45* 16½°S, 173E. Fiji Islands region.		
BER	ePP	09 51 50
	e	52 15
	eSKKS	58 25
	ePS	10 01 45
	ePPS	03 19
	ePPPS	04 25
	eSS	08 40
	eSSS	13 05
	eL	20 00
T_{PP} = 1 sec. A = 1mm. T_{SKKS} = 1 sec. A = 1mm. T_L = 20 sec. $A_{max.}$ = 6mm.		
BC	eP	09 43 27
	eS	53 55
BOZ	eP	09 43 56
	eSKS	54 29
	eS	55 05
	ePS	56 07
	eSS	10 01 07
	eSSS	04 49
	eL	13 07
BUT	e(P)	09 44 37
	eS	54 59
BUT	eSS	10 00 41
	eL	08 23
CHI	eP'	09 49 21
	ePP	49 37
	ePS	59 01
	eSS	10 04 37
	eSSS	08 43
	eL	15 45
COL	eP	09 43 29
	e	46 22
	e	47 39
	eS	54 00
	ePS	55 05
	eSS	59 44
	eL	10 10 30
COLU	ePS	09 59 34
HONO	eP	09 39 25
	ePP	40 52
	eS	45 58
	eSS	49 04
	eL	50 20
T_P = 2 sec. A = 5mm. T_S = 4 sec. A = 10mm. T_L = 11 sec. A_{max} = 65mm. T_L = 20 sec. A = 15mm.		
HH	eP	09 43 53
	eS	54 26
	ePKKP	10 01 17
	eP'P'	08 54
LIN	ePP	09 48 46
	eSKS	55 18
	ePS	57 45
	eSS	10 03 27
	eSSS	07 38
	eL	17 20
OV	iP	09 43 31.6
PHIL	ePP	09 50 46
	eSKKS	58 03
	e	58 44
	ePS	10 00 29
	ePPS	01 49
	eSS	06 56
	eSSS	11 25
	eL	18 31
PF	iP	09 43 31.4
SLC	eP	09 43 46
	ePP	47 02
	eS	54 26
	ePS	55 42
	eSS	10 00 49
	eL	09 50
SJ	eP'	09 50 21
	ePS	10 01 21
	eL	22 04
SH	iP	09 43 12
	e	43 43
SH	e(PP)	09 46 36
	eS	53 31
SIT	eP	09 43 24
	eS	53 56
	iS	53 58
	ePS	54 46
	eSS	59 12
	eL	10 06 30
TUC	iP	09 43 36
	i	43 41
	ePP	47 03
	eSKS	54 12
	eS	54 26
	ePS	55 27
	eSS	10 00 17
	eL	06 52
UK	eP	09 43 11
	eS	53 21
	eL	10 07 19
WASH	ePP	09 51 36
	eL	10 27 04
July 20		
BC	e(P)	10 40 19
COL	iP	10 36 30
	e	36 46
HH	iP	10 39 26
PF	i(P)	10 40 18.5
SH	e(P)	10 39 25
TUC	eP	10 40 46
July 20		
HH	iP	11 48 01
PF	eP	11 48 58
July 20, H = 13 14 24** Fiji Island aftershock.		
BC	eP	13 27 08
COL	eP	13 27 09
	eS	37 41
	eL	56 00
HH	eP	13 27 32
OV	eP	13 27 11
PF	iP	13 27 12.1
SH	eP	13 26 52
TUC	eP	13 27 17
	e	27 35
July 20		
COL	eP	17 03 11
July 20		
HH	eP	19 14 40
July 21		
COL	iP	03 34 05
July 21		
BC	e(P)	06 18 37
OV	eP	06 18 37
PF	eP	06 18 39
SH	e(P)	06 18 29
TUC	e(P)	06 18 37
July 21, H = 07 18 55* 29½°S, 178°W. Kermadec Islands		
BC	eP	07 31 50
COL	eP	07 32 30
	eSKS	42 50
	eL	08 04 30
HH	eP	07 32 30
OV	iP	07 31 53.1
PF	iP	07 31 53.2
	ePKKP	49 26
SH	eP	07 31 42
TUC	iP	07 31 52
	e	32 48
	eL	55 07
July 21		
HH	iP	07 49 09
July 21, H = 08 16 28* 7½°S, 71°W. Western Brazil. h=about 650 km.		
BER	iS	08 28 47
BC	iP	08 25 41
COL	iP	08 28 31
	ipP	30 47
HH	iP	08 26 28
	eS	34 38
	eSKPP'	57 00
OV	iP	08 25 41.8
	epP	27 49
	isP	28 50
PF	iP	08 25 37.8
	epP	27 40
	isP	28 46

Date and Station	Phase	(GCT)
		h m s
SJ	ePcP	08 24 16
	iS	25 15
	eL	28 25
SH	iP	08 26 36
	epP	28 35
TUC	iP	08 25 07
	iPcP	25 58
	epP	27 09
	esP	28 15
July 21		
COL	eP	13 01 41
	iP	01 42
	e(S)	02 30
	eL	03 14
HH	eP	13 06 07
PF	e	13 07 29
July 21		
COL	eP	15 44 11
HH	eP	15 47 07
OV	e(P)	15 51 20
	e	52 18
July 21		
COL	e(P)	16 19 49
July 21, H = 20 31 59s 15½°S, 168½°E. New Hebrides Islands. Mag. 6-3/4 - 7		
BER	eP'	20 51 15
	ePP	53 25
	i	54 38
	eSKS	58 00
	ePPS	21 05 00
	eSS	11 00
	eL	24 00
T_{PP} = 8 sec. A = 4mm. T_{SKS} = 12 sec. A = 5mm. T_L = 30 sec. A_{max} = 3mm. T_L = 20 sec. A = 4 mm.		
BC	eP	20 44 57
	e(PP)	49 13
	eS	55 32
	ePKKP	21 02 37
	eP'P'	10 44
BOZ	eP	20 45 28
	eSKS	56 08
	eL	21 12 25
BUT	eP	20 45 21
	ePP	48 59
	eS	56 35
	eL	21 12 17
CHI	eP'	20 50 21
	ePP	51 14
CHI	e(S)	20 58 28
	ePS	21 00 42
	eSS	05 56
	eSSS	10 38
	eL	28 04
COL	eP	20 44 46
	e	45 50
	ePP	48 18
	eS	55 18
	ePS	56 08
	eSS	21 00 50
	eL	07 56
	eP'P'	10 45
HONO	eP	20 40 55
	e	41 31
	eS	47 38
	eSS	50 49
	eL	52 20
T_P = 8 sec. A = 17mm. T_S = 8 sec. A = 15mm. T_L = 24 sec. A_{max} = 25mm.		
HH	iP	20 45 19
	ePP	48 39
	eSKS	55 41
	ePKKP	21 02 13
	eP'P'	10 26
OV	iP	20 44 59.7
	i	45 28
	iPP	48 30
	ePKKP	21 02 37
	eP'P'	10 42
PHIL	iPP	20 52 20
	eSKS	57 58
	ePS	21 02 05
	iPS	02 12
	eSS	08 24
	i	09 00
	eL	20 58
PF	iP	20 45 00.1
	ePP	48 50
	eS	55 37
	ePKKP	21 02 35
	eP'P'	10 41
SLC	eP	20 45 14
	ePP	49 18
	eSKS	55 54
	eS	56 29
	eL	21 11 48
SJ	eP'	20 51 06
	ePP	53 11
	iPKS	54 29
	eSS	21 10 28
	eL	24 00
SH	iP	20 44 39
	eS	55 17
	ePS	55 40
	eP'P'	21 10 53
SIT	eP	20 44 42
	iP	44 45
	ePP	48 10
	ePPP	50 22
	iS	55 22
	eSS	21 00 56
	eL	08 20
TUC	eP	20 45 07
	iP	45 09
	i	45 17
	i	46 01
	ePP	48 42
	eS	55 40
	eSP	56 34
	eSS	21 02 15
	eSSS	05 34
	eL	08 52
	eP'P'	10 42
UK	eP	20 44 39
	eS	55 09
	e(SS)	21 01 09
	eL	10 21
WASH	iPP	20 52 11
	eL	21 37 30
July 21		
BC	eP	21 38 52
COL	iP	21 38 10
HH	eP	21 38 47
OV	iP	21 38 24.2
PF	iP	21 38 24.9
SH	eP	21 38 01
TUC	eP	21 38 31
July 22		
COL	e(P)	01 09 09
OV	eP	01 09 24
PF	iP	01 09 24.3
SH	eP	01 10 03
July 22		
OV	e(P)	06 38 27
SH	iP	06 36 35
	iS	36 49
	eL	37 03
July 22		
COL	e(P)	07 57 06
July 22		
COL	eP	08 19 27
July 22, H = 12 33 47** Northern Catamarca province, Argentina. h=about 100 km.		
BC	iP	12 45 30
COL	eP	12 48 17
HH	iP	12 46 14
OV	iP	12 45 31.3
PF	iP	12 45 27.6
SH	iP	12 46 09
TUC	eP	12 45 00
	iP	45 01
	e	45 32
July 22		
BER	e	12 40 05
	eL	42 10
SJ	eP	12 38 03
	eS	38 49
	eL	39 07
July 22		
COL	e(P)	17 52 03
HH	eP	17 52 53
PF	e(P)	17 54 12
SH	eP	17 54 36
July 22, H = 23 07 58** New Hebrides Islands region.		
BER	eL	00 11 00
BC	eP	23 20 54
CHI	ePS	23 36 28
	eL	54 30
COL	iP	23 20 35
	i	21 05
	eS	30 42
	eSS	36 36
	eSSS	39 50
	eL	43 46
HH	eP	23 21 13
	ePKKP	38 04
	eP'P'	46 29
LIN	eL	23 55 11
OV	eP	23 20 54
	iP	20 56.3
PHIL	ePS	23 38 15
	eL	00 04 09
PF	iP	23 20 56.7
SLC	eL	23 50 45
SH	eP	23 20 35
	ePP	24 05

Date and Station	Phase	Phase (GCT) h m s
SIT	eS	23 30 54
	eL	49 46
TUC	eP	23 21 06
	i	21 37
	ePP	25 06
	eSKS	31 43
	eS	32 03
	ePS	33 00
	eL	48 55
WASH	eL	00 08 13
July 23		
COL	eP	01 41 23
HH	iP	01 44 24
TUC	e(P)	01 45 52
July 23		
SH	eP	03 51 35
July 23		
COL	eP	05 55 01
	e(S)	55 43
	eL	56 00
July 23		
COL	e(P)	08 38 21
HH	eP	08 40 46
July 23		
OV	e(P)	14 09 17
	e	09 29
PF	e(P)	14 09 17
SH	eP	14 08 58
July 23		
COL	eP	15 56 10
OV	iP	15 56 13.5
PF	iP	15 56 13.8
July 23, H = 15 50 06* 16°S, 165°E. New Hebrides Islands.		
BC	eP	16 03 18
CHI	e(L)	16 42 19
COL	iP	16 02 58
	eS	13 17
	eSS	18 55
	eL	26 35
HH	iP	16 03 36
	iPKKP	20 33
	iP'P'	28 48
OV	iP	16 03 19.5
	i	04 49.5
PHIL	eL	16 47 28
PF	iP	16 03 20.8
SH	eP	16 02 58
	iP	02 59
TUC	eP	16 03 29
	i	03 59
WASH	eL	16 52 15
July 23		
PF	e(P)	16 29 05
July 23		
BC	eP	17 10 48
OV	e(P)	17 10 46
PF	iP	17 10 48.2
SH	iP	17 10 31
	i	10 37
July 23		
SJ	eP	18 20 28
	eS	24 48
	eL	26 34
July 23		
OV	iP	21 45 06.2
PF	iP	21 45 06.9
TUC	iP	21 45 10
July 23, H = 23 32 08* 19°N, 61½°W. Leeward Islands region.		
BER	eS	23 37 35
BC	eP	23 41 03
COL	eP	23 43 30
HH	eP	23 41 14
	e	41 23
	iPcP	42 33
OV	iP	23 41 01.4
PHIL	iP	23 37 24
	eS	41 44
PF	eP	23 40 58.5
SJ	eP	23 33 16
	eS	34 02
	eL	34 14
SH	eP	23 41 49
TUC	eP	23 40 35
WASH	eP	23 37 23
July 24		
COL	eP	00 32 04
	iP	32 09
	eL	58 42
OV	e(P)	00 32 54
PF	e(P)	00 32 49
SH	e(P)	00 31 06
	e	32 27
July 24		
BER	eL	02 06 55
OV	e(P)	02 09 24
PF	e(P)	02 09 00
July 24		
COL	iP	03 21 48
	eL	23 00
July 24		
HH	eP	07 29 58
July 24		
COL	e(P)	12 14 04
July 24		
BER	eL	18 33 20
PF	eP	18 36 43
SH	eP	18 37 32
	e	37 41
July 25		
COL	e(P)	04 24 10
HH	eP	04 29 53
TUC	e(P)	04 30 12
July 25		
COL	eP	05 08 38
July 25		
COL	eP	08 55 28
	e	56 16
July 25		
COL	eP	11 02 02
HH	eP	11 01 58
OV	eP	11 01 26
PF	iP	11 01 26.8
TUC	eP	11 01 29
July 25		
OV	eP	16 11 03
PF	eP	16 11 03
July 25, H = 18 15 00* 31°N, 42°W. Mid-Atlantic Ocean.		
BER	eP	18 19 32
	eS	23 05
	eL	24 00
BC	eP	18 25 10
CHI	eP	18 22 21
	ePP	23 43
	eS	28 17
	eL	33 19
COL	iP	18 26 10
	eS	35 18
	eL	47 10
HH	eP	18 24 42
OV	iP	18 25 06.5
PHIL	eP	18 21 01
	ePP	22 00
	eS	25 55
	eL	26 57
PF	eP	18 25 05
SH	eP	18 25 36
SIT	eL	18 46 46
TUC	eP	18 24 56
	e	25 24
	ePP	27 11
	eS	33 05
	eL	53 50
WASH	eL	18 29 14
July 25		
COL	eP	22 23 39
July 25		
PF	eP	23 15 48
July 26		
COL	eP	04 10 37
HH	e(P)	04 16 08
July 26		
COL	e(P)	06 20 33
July 26		
COL	e(P)	07 38 22
July 26		
COL	iP	08 09 09
	e	09 45
HH	iP	08 11 58
	ipP	12 23
PF	eP	08 12 19

Date and Station		Phase	(GCT)
			h m s
TUC		e(P)	08 13 16
July 26, H = 08 31 29* 19°N, 67½°W. Off east coast of Dominican Republic.			
BER		e(P)	08 34 50
		eS	37 00
		eL	40 10
COL		eP	08 42 35
		eL	09 04 08
HH		iP	08 40 05
OV		eP	08 39 43
PHIL		e(P)	08 36 32
		eS	40 27
		eL	41 08
PF		iP	08 39 39.8
SJ		eP	08 31 56
		iS	32 09
		iL	32 17
TUC		eP	08 39 13
		e	39 32
WASH		eP	08 36 19
		eL	45 58
July 26			
TUC		eP	10 45 46
July 27, H = 09 39 52 By PAS, 33°07'N, 115°34'W. Calipatria, Calif. Mag. 3.4.			
BC		eP	09 41 47
		iP	41 50
		iS	42 27
OV		eP	09 40 50
		iP	41 00
		iS	41 44
PF		iP	09 40 43.8
		i	40 53.6
		iS	41 31
		i	41 41
July 27, H = 09 54 By PAS, 33°07'N, 115°34'W. Calipatria, Calif. Mag. 4.1.			
BC		eP	09 55 16
		iP	55 19
		i(S)	56 00
CHI		eL	10 06 41
OV		iP	09 55 20.9
PF		iP	09 55 15.9
		i	55 26
		i(S)	56 03
		i	56 13
PHIL		eL	10 12 10
SLC		eL	09 59 15
SH		e(P)	09 59 20
TUC		eP	09 55 25
		i	55 41
		i	55 47
		eS	56 14
		i	56 35
		i	56 45
		eL	57 04
July 27			
BC		e(P)	11 02 48
		iP	02 57
		iS	03 23
		i	03 41
July 27			
BC		eP	11 11 14
		e(S)	11 58
July 27, H = 11 29 26 By PAS, 33°07'N, 115°34'W. Near Calipatria, Calif. Minor damage at Brawley and Niland. Mag. 4.8.			
BC		eP	11 30 14
		iP	30 22
		i(S)	30 57
BOZ		eL	11 36 17
BUT		eL	11 36 20
CHI		eL	11 41 53
COL		e(P)	11 37 01
		eL	48 30
HH		eP	11 33 07
		eS	36 06
		eL	37 28
LIN		eL	11 38 14
OV		iP	11 30 23.0
PHIL		eL	11 46 46
PF		iP	11 30 19.0
		i	30 30
SLC		eL	11 33 39
SH		eS	11 32 18
		eL	34 24
SIT		eL	11 45 10
TUC		eP	11 30 28
		i	30 44
		i	30 50
		eS	31 20
		eL	31 38
		iL	31 40
UK		eL	11 34 22
WASH		eL	11 45 52
July 27			
BC		eP	11 44 17
		eS	44 53
OV		iP	11 44 30.2
July 27			
BC		eP	11 47 12
		eS	47 47
July 27			
PF		i	11 54 08
July 27			
CHI		eL	12 14 59
OV		i(P)	12 05 32
PHIL		eL	12 19 58
PF		eP	12 02 55
		i	03 06.1
		i	03 18
		i	04 04
SLC		eL	12 07 02
TUC		eP	12 03 11
		i	03 32
		i	03 37
		eS	04 00
		eL	04 32
July 27			
BC		eP	12 16 21
		eS	16 56
OV		eP	12 16 22
PF		iP	12 16 17.3
		i	16 27.4
		i	17 14.1
		i	17 23
July 27			
BC		eP	12 20 01
		eS	20 35
PF		eP	12 19 58
		i	20 10.4
July 27			
BC		eP	12 33 33
July 27			
BC		eP	12 52 20
		e	53 06
OV		eP	12 52 24
PF		iP	12 52 19.8
		i	52 29.4
July 27			
BC		eP	12 57 57
		eS	58 38
PF		eP	12 58 06
		e(S)	58 51
TUC		eP	12 58 18
		i	58 23
		eS	59 02
		eL	59 19
July 27			
COL		eP	13 03 59
July 27			
BC		eP	13 37 35
		eS	38 13
July 27			
BC		eP	13 40 32
		eS	41 07
July 27			
HH		iP	16 31 27
July 27			
BC		iP	16 42 02
		eS	50 42
July 27			
PF		iP	16 49 58.6
		eS	50 27
July 27, H = 17 30 29* 17°S, 179°W. Fiji Islands region. h = about 600 km.			
BC		eP	17 41 44
BUT		eS	17 51 44
COL		eP	17 42 07
		e	42 25
		iS	51 37
		i	51 48
		eSP	52 46
		esS	55 34
HH		iP	17 42 15
		ePP	45 43
		eS	51 48
OV		iP	17 41 47.0
		i	41 59.4
		ePP	45 03
PF		iP	17 41 47.8

Date and Station	Phase	Phase (GCT) h m s
SLC	eP	17 42 02
	eS	51 38
SH	iP	17 41 31
	epP	43 34
	eS	50 41
TUC	iP	17 41 51
	i	51 59
	epP	43 52
	eS	51 20
July 27		
BC	e	19 41 18
July 27		
BC	eP	20 10 01
LIN	eL	20 18 33
OV	iP	20 10 06.9
PF	iP	20 09 59.1
TUC	iP	20 09 03
	eS	11 21
	eL	12 17
July 27		
COL	eP	22 16 42
HH	eP	22 15 53
July 27		
BC	eP	22 37 27
	eS	38 03
July 27, H = 22 50 49 By PAS, 33°07'N, 115°34'W. Calipatria, Calif. Mag. 4.5.		
BC	eP	22 51 38
	iP	51 46
	eS	52 18
BUT	eL	22 57 40
COL	eL	23 11 00
OV	iP	22 51 46.4
PHIL	eL	23 08 12
PF	iP	22 51 42.1
SLC	eL	22 55 11
SH	eL	22 55 48
TUC	eP	22 51 51
	i	51 59
	i	52 08
	eS	52 42
	iL	53 04
July 28		
BC	iP	00 29 08
HH	iP	00 28 18
OV	iP	00 29 07.6
PF	iP	00 29 10.7
SH	iP	00 28 20
TUC	iP	00 29 38
July 28, H = 03 25 30 By PAS, 33°07'N, 115°34'W. Calipatria, Calif. Mag. 4.7.		
BC	eP	03 26 18
	iP	26 20
	iS	27 00
BOZ	eL	03 32 18
BUR	eL	03 43 43
BUT	eL	03 32 19
CHI	eL	03 37 45
COL	eL	03 41 20
COLU	eL	03 40 40
HH	eP	03 29 07
	eL	33 17
OV	iP	03 26 26.6
PHIL	eL	03 42 49
PF	iP	03 26 22.5
	eS	27 09
SLC	e(S)	03 29 20
	eL	29 58
SH	eP	03 28 05
	e	28 23
	eL	30 36
SIT	eL	03 41 10
TUC	eP	03 26 32
	i	26 48
	i	26 53
	eS	27 23
	iS	27 29
	iL	27 48
UK	eL	03 30 18
WASH	eL	03 41 57
July 28		
BC	eP	03 34 14
	eS	34 57
July 28		
BC	e(P)	03 50 16
July 28		
BC	eP	03 54 34
July 28		
BC	eP	04 00 27
	eS	01 06
July 28, H = 04 55 13* 13°S, 167°E. New Hebrides Islands.		
BER	eL	05 54 00
BC	iP	05 08 07
BOZ	eP	05 08 38
	eSKS	19 16
	ePS	20 55
	eL	37 08
BUT	eP	05 08 33
	eSKS	19 29
	eL	40 51
CHI	eP'	05 14 09
	eS	22 09
	ePS	23 41
	eSS	29 47
	eL	46 11
COL	eP	05 07 48
	iP	07 50
	eS	18 22
	eL	30 50
HONO	e	05 04 44
	eS	10 54
	eSS	14 32
	eL	15 26
T_P = 20 sec. A = 4mm. T_S = 14 sec. A = 7mm. T_L = 10 sec. A_{max} = 15mm. T_L = 20 sec. A = 10 mm.		
HH	eP	05 08 24
LIN	eSKS	05 21 11
	eL	43 03
OV	iP	05 08 08.8
	i	08 26
PHIL	eSKS	05 21 07
	ePS	25 07
	eSS	32 01
	eL	49 19
PF	iP	05 08 09.5
	ePP	11 48
SLC	eP	05 08 20
	eS	19 12
	eL	35 31
SJ	e(PP)	05 17 40
	eL	55 42
SH	eP	05 07 47
	iP	07 48
	ePP	10 59
	eS	18 15
SIT	eP	05 07 49
	eS	18 26
	e(SS)	23 16
	eL	31 48
TUC	eP	05 08 16
	ePP	11 40
	eSKS	19 13
	e(SS)	24 36
	eL	35 44
UK	eL	05 33 22
WASH	eL	05 54 41
July 28		
BC	iP	05 14 55
	eS	15 35
OV	iP	05 15 06.2
July 28		
COL	iP	05 25 24
July 28, H = 05 28 21* 13°S, 167°E. New Hebrides Islands aftershock.		
BC	eP	05 36 14
COL	eP	05 35 57
HH	eP	05 36 34
OV	iP	05 36 17.0
PF	iP	05 36 18.0
SH	iP	05 35 55
	i	36 06
TUC	e	05 36 26
	i	36 41
July 28		
BC	eP	05 38 59
	e(S)	39 42
July 28		
BC	eP	08 24 37
	eS	25 17
July 28		
SLC	eP	08 32 05
	eS	33 03
	eL	33 29
July 28		
BC	eP	08 37 11
	eS	37 51

Date and Station		Phase (GCT)
		h m s
July 28		
BER	eL	13 00 00
COL	eL	13 17 24
HH	eP	12 54 02
PHIL	eP	12 52 19
	e	57 12
	eL	13 01 28
SJ	eP	12 50 33
	e(S)	55 03
	eL	57 14
TUC	e(P)	12 52 18
July 28		
OV	iP	16 25 13.5
PF	iP	16 25 08.0
July 28, H = 17 26 48 By PAS, 33°07'N, 115°34'W. Calipatria, Calif. Mag. 4.7.		
BC	iP	17 27 44
	iS	28 24
BOZ	eL	17 33 48
BUR	eL	17 45 27
BUT	eL	17 33 07
CHI	eL	17 39 16
HH	eP	17 30 33
	eL	34 48
LIN	eL	17 35 48
PHIL	eL	17 44 07
SLC	e(S)	17 30 52
	eL	31 12
SH	e	17 29 40
	eL	31 40
TUC	iP	17 27 52
	e	28 07
	eS	28 30
	iS	28 39
	eL	29 01
WASH	eL	17 43 16
July 28, H = 17 50 48 By PAS, 33°07'N, 115°34'W. Near Calipatria, Calif. Felt at Brawley, Niland, Westmoreland and San Diego. Mag. 5.4.		
BER	e(P)	17 59 10
	eL	18 11 28
BC	iP	17 51 35
BOZ	eP	17 54 01
	eL	56 58
BUR	eL	18 06 15
BUT	eP	17 53 56
	e(S)	56 43
	eL	57 27
CHI	eP	17 56 03
	eS	18 00 27
	eL	02 37
COLU	eL	18 04 10
HH	iP	17 54 28
	i	54 33
	e(S)	57 33
	eL	58 59
LIN	e(P)	17 55 00
	e(S)	58 12
	eL	59 28
OV	iP	17 51 43.9
PHIL	eL	18 03 03
PF	iP	17 51 39.8
SLC	eP	17 52 50
	eS	54 11
	eL	54 48
SJ	eL	18 16 39
SH	eP	17 53 10
	eL	55 42
SIT	eS	18 01 22
	eL	03 44
TUC	eP	17 51 50
	iP	51 51
	i	52 08
	eS	52 29
	iS	52 35
	eL	52 57
UK	eL	17 55 02
WASH	iL	18 07 11
July 28, H = 17 58 12 By PAS, 33°07'N, 115°34'W. Calipatria, Calif. Mag. 4.8.		
BC	iP	17 59 03
	i(S)	59 43
SH	e(P)	18 03 06
TUC	iP	17 59 13
July 28		
COL	e(P)	17 58 07
July 28		
COL	e(P)	18 22 30
SH	e(P)	18 21 10
July 28		
OV	eP	18 40 27
PF	iP	18 40 31.3
TUC	iP	18 40 42
	i	41 00
	i(S)	41 31
	eL	41 51
July 28		
BC	e(P)	19 49 48
	iP	49 55
	iS	50 37
OV	iP	19 49 56.4
PF	iP	19 49 52.6
	iS	50 34
July 28		
BC	iP	21 08 46
	iS	09 26
July 28		
SLC	eL	21 17 26
SH	e(P)	21 17 45
July 28		
BC	eP	21 55 27
	eS	56 07
July 28		
BC	eP	22 57 54
	iS	58 29
July 29		
PF	e(P)	00 09 37
July 29, H = 00 17 10 By PAS, 33°07'N, 115°34'W. Calipatria, Calif. Mag. 4.5.		
BC	eP	00 17 56
	iP	18 03
	iS	18 43
HH	e(P)	00 20 45
	e(L)	25 26
OV	iP	00 18 04.5
PHIL	eL	00 34 38
PF	iP	00 18 00.7
SLC	eL	00 21 31
SH	e(P)	00 21 56
TUC	iP	00 18 10
	e	18 25
	i(S)	19 00
	eL	19 25
July 29		
BC	eP	03 01 49
	eS	02 30
July 29		
SH	e(P)	05 27 58
	e	28 30
July 29		
OV	iP	07 37 03.4
PF	iP	07 36 54.8
July 29		
BC	iP	10 15 42
	iS	16 24
July 29, H = 14 36 32 By PAS, 33°07'N, 115°34'W. Near Calipatria, Calif. Estimated $50,000 property damage at Calipatria, Brawley, Niland, and Westmoreland. Mag. 5.5.		
BER	eL	14 57 40
BC	iP	14 37 19
BOZ	eP	14 39 45
	eS	42 19
	eL	43 11
BUR	(e)	14 43 07
	eS	49 15
	eL	51 35
BUT	eP	14 39 41
	eS	41 26
	eL	42 29
CHI	eP	14 41 45
	eS	46 08
	eL	47 35
COL	eP	14 43 49
	e(S)	49 47
	eL	52 40
COLU	eL	14 47 28
HONO	eL	14 53 17
HH	iP	14 40 12
	i	40 16
	e	42 41
	e(S)	43 11
	iS	43 21
	eL	44 27

Date and Station		Phase (GCT)
		h m s
LIN	eP	14 40 36
	eS	43 44
	eL	44 45
OV	iP	14 37 28.2
PHIL	eS	14 48 30
	eL	50 25
PF	iP	14 37 23.7
SLC	eP	14 38 39
	e	39 13
	eS	39 52
	eL	40 31
SJ	e(P)	14 45 30
	eS	51 52
	eL	55 13
SH	e(P)	14 39 01
	eL	41 21
SIT	e(S)	14 46 44
	eL	49 13
TUC	iP	14 37 34
	i	37 52
	e(S)	38 10
	eL	38 45
UK	e(S)	14 40 06
	eL	41 00
WASH	e(S)	14 48 14
	iL	52 56
July 29		
BC	iP	14 51 11
	iS	51 52
July 29		
BC	iP	14 53 47
	eS	54 25
July 29		
BC	iP	15 01 14
	iS	01 54
July 29		
BC	iP	15 09 51
	iS	10 31
OV	eP	15 09 51
PF	iP	15 09 48.2
SH	e(P)	15 12 17
July 29		
BC	eP	15 20 24
	iS	21 03
July 29		
BC	eP	15 51 29
	e(S)	52 03

Date and Station		Phase (GCT)
		h m s
July 29		
BC	eP	15 59 59
	eS	16 00 39
July 29		
BC	e(P)	16 57 57
July 29, H = 16 45 56* $2\frac{1}{2}$°N, $127\frac{1}{2}$°E. Molucca Passage Mag. about 7.		
BH	eP'	17 05 44
BER	eP'	17 05 10
	ePP	09 10
	e(SKS)	12 50
	e	15 30
	e	20 08
	eSS	27 45
	e(SSS)	32 50
	eL	56 42
BC	iP'	17 04 31
	i	06 03
BOZ	ePP	17 05 01
	eSKS	10 59
	ePS	14 18
	eSS	19 04
	e(SSS)	23 27
	eL	29 21
BUR	ePP	17 08 32
	e(SS)	27 08
	eL	42 12
BUT	eP'	17 04 20
	eS	12 28
	eL	31 12
CHI	e(PP)	17 06 13
	e(SKS)	13 25
	e(S)	17 01
	e(SS)	24 31
	eL	40 45
COL	iP	16 58 $34\frac{1}{2}$
	ePP	17 01 54
	iS	08 45
	eSS	14 25
	ePKKP	16 30
	eL	22 20
	eP'P'	24 24
COLU	e	17 08 42
HONO	iP	16 57 38
	e	58 23
	iS	17 07 12
	e	08 06
	eL	18 26
T_P = 5 sec. A = 10mm. T_S = 8 sec. A = 27mm. T_L = 17 sec. $A_{max.}$=13mm.		
HH	iP	17 00 03
	e	03 36
	ePS	13 44
	i	15 37
	iPKKP	15 54

Date and Station		Phase (GCT)
		h m s
OV	iP	17 00 32.6
	i	04 31.2
PHIL	eP'	17 05 17
	ePP	07 28
	iPKS	08 41
	e	14 22
	ePS	18 02
	eSS	25 16
	eL	50 06
PF	iP	17 00 34.3
	i	04 32.3
SLC	ePP	17 04 57
	e(SKS)	10 03
	e(S)	12 35
	e(PS)	14 31
	eL	31 17
SJ	e	17 08 20
	i	12 00
	e	21 12
	eSSS	36 10
	eL	50 51
SH	iP	16 59 59
	e	17 03 30
	ePP	04 15
	e(S)	10 24
	e(PKKP)	17 59
SIT	iP	16 59 06
	ePP	17 02 16
	iS	04 34
	i	10 06
	iPS	10 44
	eSS	16 08
	eL	24 34
TUC	iP'	17 04 39
	ePP	05 37
	e(SKS)	12 39
	eS	13 13
	iPS	15 10
	eSS	21 48
	eL	34 15
UK	e(S)	17 10 31
	e(SS)	17 09
	eL	26 11
WASH	iP'	17 05 11
	iPP	07 37
July 29		
BC	eP	17 15 02
	iP	15 07
	iS	15 46
OV	iP	17 15 09.1
PF	iP	17 15 04.6
SH	e(P)	17 15 50
July 29, H = 18 42 48 By PAS, 33°07'N, 115°34'W. Calipatria, Calif. Mag. 4.7.		

Date and Station		Phase (GCT)
		h m s
BC	eP	18 43 33
	iP	43 38
	iS	44 14
BOZ	eL	18 49 49
BUR	eL	19 01 23
BUT	eL	18 49 50
CHI	eL	18 55 12
COL	eL	19 03 05
HH	eP	18 46 29
OV	iP	18 43 41.8
PHIL	e(L)	19 00 01
PF	iP	18 43 35.4
SLC	eL	18 47 09
SH	e(P)	18 47 15
TUC	eP	18 43 46
	e	43 59
	i	44 00
	i	44 06
	iS	44 35
	iL	45 30
UK	eL	18 47 51
WASH	eL	18 59 24
July 29		
BC	eP	21 49 46
	eS	50 20
July 29		
BC	e(P)	21 56 52
	eL	57 38
July 29		
BC	iP	22 06 04
	iS	06 41
July 29		
BC	e(P)	22 18 12
July 29, H = 23 48 58* 6°S, 155°E. Solomon Islands. Mag. 7.1.		
BER	eP'	00 08 20
	ePP	10 54
	i	11 48
	eSKS	15 10
	ePS	21 50
	e(SS)	28 30
	eL	41 20
$T_{P'}$ = 4 sec. A = 2mm. T_{SKS} = 10 sec. A = 5mm. T_L = 20 sec. $A_{max.}$ = 33mm.		

Date and Station		Phase (GCT) h m s
BC	iP	00 02 20
	ePKKP	19 25
	eP'P'	27 39
BOZ	eP	00 02 29
	ePP	06 20
	ePPP	08 43
	eSKS	13 07
	e(S)	13 59
	ePS	15 09
	eSS	20 22
	e(SSS)	24 22
	eL	28 24
BUR	e(PP)	00 09 39
	ePS	19 41
	eSS	26 14
	eSSS	30 39
	eL	39 31
BUT	eP	00 02 39
	ePP	06 07
	e(SKS)	13 04
	e	16 29
	eL	29 21
CHI	ePP	00 08 37
	e(S)	16 19
	ePS	18 17
	eSS	24 23
	eSSS	28 57
	eL	41 52
COL	eP	00 01 22
	iP	01 23
	e	01 41
	e	02 57
	ePP	04 30
	e(PPP)	06 30
	iS	11 32
	ePS	12 38
	ePKKP	19 15
	e(SSS)	20 38
	eL	23 16
	eP'P'	27 38
COLU	e(SKS)	00 09 22
	e	14 50
	e	19 02
	eL	39 36
HONO	iP	23 58 24
	e	59 13
	ePP	00 00 29
	ePPP	01 35
	eS	05 50
	eSS	09 08
	eL	10 44

T_P = 6 sec. A = 15mm.
T_S = 9 sec. A = 23mm.
T_L = 18 sec. A_{max} =63mm.
T_L = 20 sec. A = 53mm.

Date and Station		Phase (GCT) h m s
HH	iP	00 02 25
	ePP	06 23
	eS	13 22
	ePKKP	19 17
HH	eP'P'	00 37 19
	eL	34 24
LIN	e(PP)	00 07 41
	e(PPP)	10 13
	eS	17 13
	eSS	23 05
	eSSS	27 13
	eL	31 19
OV	iP	00 02 21.0
	iPP	06 09.5
	iPKKP	19 57.0
	iP'P'	27 37.5
	eL	34 00
PHIL	ePP	00 09 49
	eSKS	15 05
	ePS	19 35
	e	21 21
	eSS	26 05
	eL	45 30
PF	iP	00 01 52.5
	eL	34 39
SH	iP	00 01 54
	ePP	05 23
	eS	12 16
	ePKKP	19 35
	eP'P'	27 43
	eL	30 41
SIT	iP	00 01 34
	e(PP)	04 48
	iS	11 56
	e	12 47
	eSS	17 23
	eL	24 00
TUC	eP	00 02 34
	ePP	06 26
	iPP	06 31
	ePPP	08 13
	eSPS	12 58
	e(SKS)	13 33
	e(S)	14 14
	ePS	15 12
	ePKKP	19 16
	eSS	20 17
	eSSS	24 08
	eP'P'	27 26
	eL	29 38
UK	eP	00 01 55
	e(PP)	05 02
	eS	12 12
	ePS	14 08
	e(SS)	17 46
	eL	24 36
WASH	e(P')	00 08 15
	iPP	09 35
	eL	40 16
July 30		
BC	e(P)	00 35 54
	e	36 10

Date and Station		Phase (GCT) h m s
COL	e(P)	00 34 57
	i	34 13
HH	eP	00 36 14
OV	eP	00 35 55
	i	36 11.9
PF	eP	00 35 27
	i	35 42.5
SH	eP	00 35 44
July 30		
OV	e(P)	02 12 03.5
July 30		
COL	e(P)	04 17 06
July 30		
COL	e(P)	09 05 34
July 30		
COL	e(P)	09 39 27
HH	e(P)	09 38 53
July 30		
PF	e(P)	12 10 53
July 30		
HH	eP	14 43 00
OV	e(P)	14 43 15
	i	46 55.3
	i	48 33.8
July 30		
OV	eP	20 42 34
	e(S)	43 34
PF	eP	20 42 41
	i(S)	43 48.9
July 30		
BC	e(P)	14 48 30
COL	e(P)	14 52 32
HH	eP	14 50 00
	i	50 07
TUC	e(P)	14 47 50
July 31		
OV	e(P)	02 26 49
TUC	e(P)	02 26 08
July 31		
PF	eP	03 45 15
	iS	46 09.1
July 31		
COL	e(P)	06 51 03
	eL	56 00

Date and Station		Phase (GCT) h m s
SH	e(P)	06 54 00
TUC	e(P)	06 55 38
July 31		
PF	eP	07 42 13
	iS	43 01.3
July 31		
SLC	eL	08 41 32
July 31		
BC	eP	09 00 19
PF	eP	09 00 20
	iS	01 07.8
July 31		
OV	iP	13 11 31.9
	i(S)	11 50.2
July 31		
HH	eP	18 40 57
July 31		
COL	e(P)	22 06 21
August 1		
COL	e(P)	00 25 58
	e(S)	36 16
	eL	56 20
TUC	e(P)	00 26 36
	eL	56 21
August 1, H = 02 04 43** Near east coast of Hokkaido, Japan.		
COL	e(P)	02 12 43
HH	iP	02 15 29
OV	iP	02 16 25.4
PF	iP	02 16 17.3
	i	16 27.9
SH	eP	02 15 31
August 1		
COL	eP	03 00 26
	e	00 41
HH	iP	03 01 29
OV	iP	03 01 26.0
PF	iP	03 01 27.6
SH	eP	03 01 01
August 1		
TUC	e(P)	06 16 43
	i	16 54
BC	eP	07 49 37

Date and Station	Phase	Phase (GCT) h m s
HH	e(P)	07 49 00
OV	iP	07 49 39
PF	iP	07 49 33
TUC	e(P)	07 48 38
	e	48 53
August 1, H = 08 37 20 By PAS, 33°07'N, 115°34'W. Calipatria, Calif. Felt. Mag. 4.8.		
BUT	eL	08 44 16
COL	e(P)	08 44 39
	e	54 28
	eL	58 10
HONO	eL	08 53 24
HH	eP	08 40 59
	i	41 05
	i	41 15
	eL	45 30
LIN	eL	08 46 18
OV	eP	08 38 14
	iP	38 17.0
PHIL	eL	08 52 08
PF	iP	08 38 11.5
	i	38 14.2
SH	e	08 40 00
	eL	42 18
SIT	eL	08 53 24
TUC	eP	08 38 30
	e	38 39
	iS	39 06
	eS	39 13
UK	e(S)	08 41 10
	eL	42 10
WASH	eL	08 53 52
August 1		
COL	eP	09 00 40
August 1, H = 09 11 39* 42½°N, 145°E. Off south coast of Hokkaido, Japan.		
BC	iP	09 23 16
	i	23 28
COL	eP	09 19 44
	eS	26 08
	eL	29 29
HONO	eP	09 20 47
	e(PPP)	23 25
	eS	28 20
	e(ScS)	30 43
	e(SS)	32 08
	eL	34 41
HH	eP	09 22 29
	e(PcP)	22 41
	e(P'P')	50 40
LIN	eS	09 33 53
	eSSS	52 08
OV	iP	09 23 16.1
	eS	32 47
PHIL	eS	09 35 34
	eL	56 09
PF	iP	09 23 18.2
	iS	32 50.7
SH	iP	09 22 29
SIT	eP	09 20 44
	iS	28 00
	eScS	30 32
	eL	34 22
TUC	iP	09 23 44
	i	23 55
	eS	33 36
	eL	52 16
WASH	eSKS	09 24 43
	eL	10 12 32
August 1		
COL	e(P)	10 05 17
OV	iP	10 09 07.2
PF	iP	10 09 10.3
August 1, H = 10 42 50** Hokkaido aftershock.		
BC	e(P)	10 54 31
COL	eP	10 50 52
	eS	57 18
	e(SS)	11 00 34
	eL	04 24
HH	eP	10 53 38
OV	iP	10 54 23.9
	i	54 35.1
PF	iP	10 54 26.8
	i	54 36.8
SH	e(P)	10 53 40
TUC	eP	10 54 52
August 1		
OV	e(P)	20 26 53.6
	e	28 05.1
PF	e(P)	20 26 06.0
August 2		
OV	i(P)	00 04 15.5
	e	04 56.0
PF	iP	00 04 15.1
	e	04 56
August 2		
HH	eP	04 48 34
August 2		
CHI	e	06 20 12
	eL	24 06
COL	e(P)	06 15 53
OV	e(P)	06 15 57.8
	e	16 45.8
PF	e(P)	06 15 27
TUC	e(P)	06 15 30
August 2, H = 06 50 48 By PAS, 34°40'N, 120°48'W. West of Lompoc, Calif. Mag. 3.3.		
BC	e(P)	06 53 41
OV	i(P)	06 52 27.9
	e	53 34
PF	e(P)	06 52 22
August 2		
COL	eP	09 54 51
TUC	e(P)	09 59 20
August 2		
BC	e(P)	10 28 19
	eL	29 09
August 2, H = 10 50 15* 12°N, 142½°E. Marianas Islands. h=about 100 km. Mag. 6½-6-3/4.		
BER	e(PP)	11 11 18
	ePPS	23 01
	e	29 32
	eL	54 25
BC	eP	11 03 22
COL	iP	11 01 22
	e	01 53
HH	e(P)	11 04 01
	eSKS	13 40
LOG	eP	11 03 24
	e(SKS)	13 31
	eSKS	14 00
	eL	34 16
OV	iP	11 03 23.3
PHIL	ePS	11 19 56
	e(SSS)	30 12
	eL	38 12
PF	iP	11 03 24.9
	i	03 56
	ePP	07 08
SH	iP	11 02 49
	eS	13 18
SIT	eP	11 01 54
	e	03 20
	eS	11 26
	eL	21 00
TUC	eP	11 03 41
August 2		
BC	eP	13 48 38
	i	49 27
OV	eP	13 48 24
	iP	48 34.1
	iS	49 20.9
PF	iP	13 48 31.7
	i(S)	49 19.0
SH	e(P)	13 48 28
August 2, H = 13 49 55* 15°N, 39½°E. Near east coast of Eritrea, Africa.		
BER	e	14 37 17
BC	eP'	14 08 59
COL	(e)	14 06 13
	e	07 14
	iPP	07 49
HH	eP	14 08 27
OV	eP'	14 08 57
	i(PP)	10 35.9
PF	iP'	14 08 58.2
	iPP	10 39.5
SH	eP'	14 08 54
SIT	e(PP)	14 08 52
	ePS	18 25
	iPPS	19 21
TUC	iP'	14 09 01
	iPP	10 50
August 2		
PF	iP	23 18 18.4
August 3		
PF	eP	03 40 13

Date and Station		Phase (GCT)
		h m s
PF	i(S)	03 41 01.8
August 3, H = 06 14 56* 18½°N, 100°W. Guerrero, Mexico. Felt. Mag. 6 - 6¼.		
BC	iP	06 19 42
	ipP	20 06
	i	20 24
	e	22 12
	eL	26.0
BOZ	e(pP)	06 21 08
	eS	25 17
	eL	28 22
BUT	e(PP)	06 22 17
	eS	26 09
COL	iP	06 24 26
	iPcP	25 25
	eS	32 14
HH	iP	06 21 14
	i	21 34
	i	21 51
	iPcP	24 03
	e(S)	26 42
	e(SS)	27 18
	eL	27 47
LIN	eP	06 19 53
	ipP	20 15
	eL	24 53
LOG	e(P)	06 20 13
	ePP	21 14
	eS	24 44
	eL	28 18
OV	iP	06 19 44.8
	ipP	20 11
	i	21 42.1
	ePcP	23 37
	iS	23 51.6
	eL	26 26.1
PHIL	ePP	06 21 58
	eS	26 01
	eL	27 03
PF	iP	06 19 39.2
	i	21 15.9
	eS	23 39
	iL	26 02.9
SH	iP	06 20 49
	ePP	21 51
	ePcP	23 55
	eScP	27 39
	e(L)	30 37
TUC	eP	06 18 47
	iP	18 48
	ipP	19 06
	i(PP)	19 39
	iS	22 00
TUC	eL	06 22 20
	ePcP	23 33
WASH	e	06 21 28
	e	25 13
August 3		
OV	eP	07 46 37
PF	e(P)	07 46 00.4
August 3, H = 09 28 04* 8°N, 72½°W. Near northern Colombia-Venezuela border. Felt.		
BH	iP	09 29 54
	iS	31 12
BC	eP	09 36 41
COL	e(P)	09 39 57
HH	eP	09 37 23
	e(PP)	39 48
OV	iP	09 36 30.4
PF	iP	09 36 36.5
TUC	eP	09 36 04
August 3, H = 15 26 38** Marianas Islands region. Mag. 6½.		
BC	e(P)	15 40 05
	i	40 35
COL	eP	15 38 03
HH	eP	15 39 49
OV	iP	15 40 05.0
PF	eP	15 40 07
SH	iP	15 39 31
TUC	eP	15 40 28
	ePP	44 19
August 3, H = 15 44 49** Off east coast of Honshu, Japan.		
BC	eP	15 56 40
COL	eP	15 53 14
HH	eP	15 55 57
OV	iP	15 56 39.2
PF	iP	15 56 42.2
SH	eP	15 55 55
	e	56 06
TUC	eP	15 57 07
August 3		
HH	e(P)	18 07 48
	eL	11 07
OV	e(P)	18 07 49
PF	e(P)	18 07 54
TUC	eP	18 10 34
August 3, H = 22 18 18* 10°N, 69½°W. Northwestern Venezuela. Destructive at Tocoyo. 100 killed. Mag. 6-3/4.		
BH	iP	22 20 42
	iS	22 26
BER	iP	22 23 26
	iPP	23 58
	iS	27 41
	iL	29 00
T_P = 8 sec. A = 32mm. T_S = 20 sec. A = 35mm. T_L = 20 sec. $A_{max.}$=50mm.		
BC	eP	22 27 04
	i	27 19
	i(PPP)	30 23
	eS	32 27
	e	43 47
	i	44 40
BOZ	iP	22 27 17
	ePP	29 18
	iS	34 29
	eSS	38 17
	eL	40 25
BUR	iP	22 25 14
	iPP	26 25
	eS	30 22
	eL	34 13
BUT	eP	22 27 24
	ePP	29 23
	eS	34 43
	iS	34 46
	e(SS)	38 33
	eL	40 33
CHI	iP	22 25 15
	e(PP)	26 20
	iS	30 48
	eL	32 40
COL	eP	22 30 06
	eS	39 50
COLU	eP	22 23 55
	eS	28 39
	eL	29 58
HH	eP	22 27 39
	iP	27 41
	ePP	29 40
	eS	35 35
	eL	51 00
	eP'P'	57 59
LIN	iP	22 25 47
	ePP	27 20
	iS	31 43
	e	32 44
	eL	33 33
LOG	eP	22 27 05
	iP	27 06
	e	28 12
	iPP	29 16
	i	29 38
	iS	34 10
	eL	38 13
OV	iP	22 27 03.4
	i	31 11.5
	eS	34 08
PHIL	iP	22 24 35
	e	26 01
	iS	29 40
	e	30 05
	iL	31 15
PF	iP	22 26 59.1
	iPP	28 41.4
	iS	34 02.4
	eL	47 42.4
SJ	iP	22 20 34
	iS	22 17
	eL	22 55
SH	eP	22 27 54
	ePPP	31 39
	eS	35 33
TUC	iPP	22 28 11
	iS	32 56
	eL	36 34
August 4		
PF	iP	00 13 11.5
TUC	e(P)	00 12 45
August 4, H = 01 46 56 By PAS, 33°00'N, 116°05'W. Southeast of Borrego Valley, Calif. Mag. 3.7.		
OV	eP	01 48 08
	i	48 39.9
	i	48 56.7
PF	iP	01 47 52.5
	iS	48 37

Date and Station		Phase	(GCT) h m s
August 4			
BC		eP	04 51 33
		eS	52 13
OV		iP	04 51 44.4
		iS	52 36.4
PF		iP	04 51 38.7
		iS	52 30.3
August 4			
BH		eP	10 47 37
		eS	49 19
OV		eP	10 53 57
		i	54 02.2
August 4			
PF		e(P)	15 37 43
		e	45 40
TUC		eP	15 36 50
		e	38 49
		eS	42 52
		eL	44 46
August 4			
HH		eP	15 39 13
August 4			
WASH		iP	22 24 27
		i	25 27
		i	26 23
		e(S)	29 25
		e(L)	30 41
August 5			
COL		e(P)	05 24 10
HH		eP	05 26 06
SH		e(P)	05 25 38
August 5			
HH		iP	05 35 41
OV		e(P)	05 34 54.7
August 5, H = 09 16 48* 50°S, 164°E. Auckland Island region. Mag. 6-3/4.			
BER		eP'	09 36 16
		ePP	39 23
		i(PKS)	40 00
		e(SKSP)	49 41
		e	58 00
		ePSPS	58 16
		e(SSS)	10 03 14
		eL	13 40
$T_{P'}$ = 1 sec. A = 3mm. T_{PKS} = 10 sec. A = 10mm. T_L = 20 sec. $A_{max.}$ = 8mm.			
BC		eP'	09 35 28
		ePP	36 06
BOZ		eP'	09 35 42
		ePP	37 08
		e	38 07
		eSKS	42 49
		ePS	47 13
		ePPS	48 18
		eSS	53 04
		eL	10 07 16
BUT		ePP	09 37 03
		e(SKKS)	43 38
		ePS	46 58
		ePPS	48 13
		eSS	53 30
		eL	10 07 13
CHI		eP'	09 36 02
		ePP	38 16
		i(PKS)	39 24
		eSKSP	48 22
		eSS	54 40
		eL	10 07 06
COL		eP'	09 35 42
		e	36 38
		ePP	37 06
COLU		ePP	09 38 18
		e(PKS)	39 28
		eSKSP	48 20
		e	51 17
		e(PSPS)	56 40
		e(L)	10 03 23
HH		iP'	09 35 45
		ePP	37 14
		ePKKP	45 53
LIN		ePP	09 37 44
		e(SKKS)	54 43
		e	10 03 10
		eL	09 37
LOG		e	09 35 37
		ePP	36 48
		ePPP	39 16
		ePS	46 29
		eSS	51 44
		eL	10 05 11
OV		eP	09 31 35
		i(P')	34 59.8
		iPP	36 11.4
		ePKKP	46 11.3
		eL	10 13 21
PHIL		eP'	09 36 17
		ePP	39 11
		ePKS	41 04
		e(SKS)	42 59
		eSKS	43 04
		eSKSP	49 17
		ePPS	51 37
		eSS	57 05
		eSSS	10 02 50
		eL	12 17
PF		eP	09 31 34
		eP'	34 43
PF		iPP	09 36 11
		ePKKP	46 05
		eL	10 07 43
SJ		eP'	09 36 22
		e(PKS)	39 23
		e(PS)	49 04
		eSS	55 11
		eSSS	10 00 21
		eL	08 09
SH		eP'	09 35 00
		iPP	36 03
		ePS	45 22
		ePPS	46 27
SIT		ePP	09 36 52
		iPS	46 46
		eSS	53 18
		eL	10 14 00
TUC		eP	09 31 30
		eP'	35 29
		ePP	36 05
		ePS	45 46
WASH		iP'	09 36 15
		ePP	38 56
		ePKS	39 47
		e	46 26
August 5, H = 10 45 10** Northwestern Venezuela aftershock.			
BC		e(P)	10 53 52
COL		eP	10 57 03
HH		eP	10 54 33
PF		eP	10 53 53
SH		eP	10 54 51
TUC		eP	10 53 22
August 5			
COL		e(P)	11 42 44
HH		iP	11 44 45
SH		eP	11 44 44
August 5			
COL		eP	13 40 45
		eL	43 00
HH		iP	13 44 18
		eS	50 54
OV		eP	13 46 01
PF		i(P)	13 46 05.1
August 5			
HH		e(P)	17 46 38
August 5			
COL		e(P)	18 30 36
August 6			
COL		eP	06 40 49
HH		eP	06 43 07
PF		eP	06 43 44
SH		e(P)	06 42 52
TUC		e(P)	06 44 17
August 6, H = 12 45 25** Samoa Islands region.			
BC		eP	12 56 56
COL		eP	12 57 34
HH		eP	12 57 31
OV		iP	12 57 00.7
PF		iP	12 57 00.8
SH		eP	12 56 44
TUC		e(P)	12 57 02
August 6			
COL		e(P)	13 44 11
		e	44 25
August 6			
COL		eP	15 47 53
PF		i(P)	15 47 21.2
August 6			
HH		iP	18 18 33
OV		iP	18 17 47.4
PF		iP	18 17 44.0
SH		iP	18 18 26
TUC		eP	18 17 15
August 6			
COL		iP	19 22 32
August 6			
COL		e(P)	20 48 35
HH		iP	20 46 19
OV		e(P)	20 45 22
		e	45 32
TUC		e(P)	20 44 44
WASH		e	20 32 35
		e	33 53
		eL	51 32

Date and Station	Phase (GCT)	h m s
August 6		
COL	eP	23 54 05
HH	iP	23 56 19
	i(pP)	56 25
PF	i(P)	23 56 56
SH	eP	23 56 08
August 7, H = 02 44 44* 6°N, 126°E. Near south coast of Mindanao, Philippine Islands. Mag. 6-3/4.		
BH	eP'	03 04 46
BER	eP'	03 04 14
	iPP	07 13
	iPKS	08 30
	e(SKKS)	14 38
	i	24 29
	iSS	25 31
	iPSPS	26 04
	eSSS	30 47
	i	31 37
	eL	40 47
BC	eP	02 59 17
	e(P')	03 03 20
	eSKS	09 52
	eSKKS	10 44
BOZ	ePP	03 03 36
	e(PPP)	05 17
	eSKS	09 36
	eSKKS	10 25
	eSP	12 38
	iSP	12 43
	eSS	18 15
	eL	29 30
BUT	eP	02 59 02
	ePP	03 02 58
	eSKS	09 28
	eSKKS	10 19
	ePS	12 34
	eSS	18 27
	eL	36 13
CHI	eP'	03 03 45
	ePP	05 27
	e(SKS)	10 24
	e	12 07
	ePS	15 15
	eSS	21 50
	eSSS	26 50
	eL	35 10
COL	iP	02 57 11
	e(PP)	03 00 10
	e(PPP)	02 12
	eS	07 16
	e(PKKP)	15 33
	eP'P'	23 36
	e(SKPP')	26 44
HONO	iP	02 56 33
	e(PP)	59 40
	eS	03 05 57
	iS	06 01
	iScS	06 36
	eSS	10 46
	e(SSS)	14 48
	eL	18 19
T_P = 2 sec. A = 0.8mm. T_S = 10 sec. A = 8.0mm. T_L = 16 sec. $A_{max.}$ = 1.5mm		
HH	eP	02 58 54
	iP	58 55
	i	59 32
	e(PP)	03 02 18
	eSKS	09 15
	eS	10 53
	ePKKP	14 36
	eScSScS	22 37
LOG	eP	02 59 16
	eP'	03 02 41
	ePP	04 19
	iSKS	09 42
	iSKKS	10 41
	ePPS	14 09
	iPPS	14 11
	eSS	18 49
	eL	30 01
OV	iP	02 59 18.5
	iPP	03 03 50
	iPS	13 04.5
	e	21 52
PHIL	eP	03 04 01
	ePP	06 06
	i	07 24
	iPKS	07 57
	eSKKS	12 50
	iSKKS	12 55
	eSKSP	16 08
	ePPS	18 01
	iSS	23 28
	iSSS	28 27
	eL	35 17
PF	iP	02 59 19.0
	iPP	03 03 52.8
	e	02 40.5
	iSKS	09 50.5
	ePS	13 30
SJ	eP'	03 04 29
	iP'	04 39
	iP'	05 21
	e	06 25
	i(PP)	09 25
	e	12 44
	eSKKS	13 59
	e	15 51
	e	17 20
	e(SKSP)	19 18
	ePPS	22 11
	eSS	28 04
	eSSS	48 27
	eL	04 05 19
SH	iP	02 58 43
	i(pP)	59 22
	ePP	03 02 55
	e(PPP)	05 00
	eSKS	09 11
	eSKKS	09 15
	eS	10 18
	iSP	11 48
SIT	iP	02 57 48
	e	58 20
	i	59 05
	e(PPP)	03 03 00
	eSKS	08 03
	iSKS	08 06
	iS	08 30
	ePS	09 30
	iPS	09 37
	eSS	14 12
TUC	eP	02 59 39
	eP'	03 03 10
	e	03 28
	ePP	04 02
	iPP	04 29
	eSKKS	11 19
	eS	12 13
	ePS	13 47
	iPS	13 49
	e	14 37
	e	15 43
	e	15 44
	i	18 10
	eSS	20 17
	eL	41 18
August 7, H = 04 51 41** Kurile Islands.		
BC	eP	05 02 43
COL	iP	04 59 01
HH	iP	05 01 54
OV	iP	05 02 42.7
PF	iP	05 02 45.0
SH	eP	05 01 53
TUC	eP	05 03 13
August 7, H = 15 47 23* 1°N, 126½°E. Molucca Passage.		
BER	eP'	16 07 05
	ePP	10 32
	ePPS	23 08
	eL	17 09 25
$T_{P'}$ = 2 sec. A = 3mm.		
BC	eP'	16 06 05
	ePP	06 42
	ePKKP	17 04
COL	iP	16 00 12
	e(PP)	03 11
	eS	10 36
	eScS	10 50
	ePKKP	18 05
	eP'P'	26 12
HH	iP	16 01 52
	eP'	05 44
	iPKKP	17 38
OV	eP	16 02 04.0
	iP'	06 06.0
	iPP	07 14
	iPKKP	17 35
	i	20 30
PHIL	e(PP)	16 10 00
	e	16 14
	eSS	27 05
	e	29 07
	eL	46 18
PF	eP	16 02 12
	iP'	06 06.2
	iPP	16 58.2
	iPKKP	17 01
SH	iP	16 01 37
	iPP	05 56
	ePKKP	17 33
SIT	e(P)	16 00 43
	eSKS	11 14
	eS	11 53
TUC	eP'	16 06 13
	ePP	07 18
	iPKKP	16 44
WASH	iP	16 06 47
	i	07 05
	e(PKS)	10 24
August 7		
COL	iP	11 05 06
PF	e(P)	11 04 33
SH	e(P)	11 04 16
TUC	e(P)	11 04 35
August 7		
COL	iP	11 07 59
OV	i(P)	11 15 14
HH	iP	11 09 21
	i	09 33
SH	e(P)	11 10 01
August 7		
OV	i(P)	11 50 27.5
PF	e(P)	11 50 50

Date and Station	Phase	Phase (GCT)
		h m s
August 8, H = 02 59 18** Fiji Islands region. h = about 600 km.		
BC	eP	03 10 41
COL	iP	03 11 06
	epP	13 00
	eSKS	20 42
	eS	20 56
	iS	20 57
HH	iP	03 11 14
	epP	13 10
OV	iP	03 10 44.3
	ipP	12 35.4
PF	iP	03 10 44.6
	e	11 44
SH	eP	03 10 28
	e	12 20
TUC	iP	03 10 48
	epP	12 38
August 8, H = 05 12 00* 55°N, 134½°W. Near coast of southeastern Alaska.		
BC	eP	05 17 09
BOZ	eL	05 20 26
BUT	eP	05 15 51
	eS	19 12
	eL	20 18
CHI	eL	05 28 52
COL	iP	05 14 56
	eL	18 18
HH	eP	05 15 23
	e	16 47
	eS	18 00
	eL	19 50
LOG	eP	05 16 33
	eS	20 34
	eL	22 36
OV	eP	05 17 07
PHIL	eL	05 33 05
PF	iP	05 17 11.8
SH	iP	05 15 52
SIT	iP	05 12 38
	e	12 43
	e(S)	13 06
	iL	13 15
TUC	eP	05 17 54
WASH	eL	05 33 20
August 8		
COL	e(P)	06 31 37
	e	36 03
	e(L)	36 12
HH	e(P)	06 31 12
	e	34 39
OV	e(P)	06 32 57
August 8		
COL	eP	09 32 30
	iP	32 31
	e(S)	33 19
	eL	33 40
HH	iP	09 36 39
August 8		
COL	eP	09 48 23
August 8		
COL	eP	10 14 18
August 8		
COL	e(P)	21 04 38
HH	iP	21 07 34
	i(pP)	07 54
August 8		
HH	eP	23 40 28
August 9		
COL	e(P)	01 30 45
HH	iP	01 32 36
August 9		
COL	eP	01 44 53
HH	iP	01 46 59
August 9		
COL	e(P)	07 33 37
HH	eP	07 38 53
PF	e(P)	07 40 07
August 9		
COL	iP	14 29 58
OV	e(P)	14 31 02
PF	eP	14 31 01
August 9		
COL	e(P)	17 04 00
August 9		
COL	iP	17 10 53
HH	e(P)	17 13 38
August 9, H = 18 45 06** Santa Cruz Islands.		
BC	eP	18 57 35
	e	58 31
COL	iP	18 57 17
OV	iP	18 57 39.8
HH	eP	18 57 53
PF	iP	18 57 40.8
SH	iP	18 57 14
TUC	e(P)	18 57 48
August 9		
HH	e(P)	23 50 02
August 10		
OV	e(P)	00 08 43
	e	09 12
PF	eP	00 08 01
	i	09 01.7
August 10		
COL	eP	09 03 02
August 10, H = 09 55 26 By PAS, 35°43'N, 118°15'W. North of Weldon, Calif. Mag. 3.6.		
OV	iP	09 56 23.8
	iS	57 04.2
PF	eP	09 56 22
	i	56 28.7
	iS	57 11.2
August 10		
COL	iP	11 36 05
	e(S)	36 39
	eL	37 00
HH	iP	11 40 47
August 10		
LOG	iP	12 39 17
	iS	39 28
	iL	39 41
August 10		
OV	eP	13 40 41
	e(S)	41 36
August 10, H = 17 55 08** New Hebrides Islands region.		
BC	iP	18 08 18
COL	e(P)	18 08 06
OV	iP	18 08 21.1
PF	iP	18 08 20.4
SH	e	18 07 55
	i(P)	08 02
TUC	e(P)	18 08 25
August 10, H = 19 19 30* 7°S, 155½°E. Solomon Islands. Depth slightly greater than normal.		
BC	e(P)	19 32 36
	e	33 04
COL	eP	19 31 54
	i	32 10
HH	eP	19 32 55
	e(PKKP)	49 50
OV	eP	19 32 51
	iSKS	33 06.3
	e	36 44
PHIL	eL	19 54 40
PF	eP	19 33 08
SH	eP	19 32 25
	ePP	36 07
TUC	ePP	19 37 10
August 10		
PF	eP	19 58 09
August 10		
BC	eP	09 55 51
	iP	55 57
	i	56 32
COL	eP	09 57 55
August 10		
COL	eP	15 00 07
August 10		
COL	eP	15 10 41
August 11, H = 03 01 10** Kurile Islands. h = about 100 km.		
BC	iP	03 11 46
	i	11 53
	i	12 33
COL	iP	03 07 53
	ipP	08 24
HH	eP	03 10 54
OV	iP	03 11 46.0
PF	iP	03 11 48.8
SH	iP	03 10 55
	esP	11 29

Date and Station		Phase	(GCT)
			h m s
TUC		eP	03 12 17
August 11			
COL		eP	05 16 13
		e	16 16
HH		eP	05 19 07
TUC		e(P)	05 20 35
August 11			
COL		iP	09 10 03
TUC		e(P)	09 09 40
August 11, H = 10 23 11* 17°S, 169°E. New Hebrides Islands region.			
BC		e(P)	10 37 08
OV		iP	10 36 11.8
PF		iP	10 36 11.5
SH		iP	10 35 51
TUC		e(P)	10 36 12
August 11			
COL		e(P)	14 48 33
August 11			
COL		iP	18 13 24
SH		eP	18 12 35
August 11, H = 20 20 52* Tonga Islands.			
BC		eP	20 33 18
COL		iP	20 33 56
HH		e(P)	20 33 54
OV		iP	20 33 20.5
PF		iP	20 33 21.0
PHIL		eL	21 25 00
SH		e(P)	20 33 08
TUC		e(P)	20 33 20
August 11			
COL		eP	23 23 21
HH		e(P)	23 24 40
August 12, H = 02 17 17 By PAS, 39°19'N, 116°48'W. Near Baldwin Lake, Calif. Felt at Big Bear, Highland, Riverside. Mag. 4.3.			
BC		iP	02 17 55
		i	18 01
		iS	18 30
OV		iP	02 18 04.5
		i	18 12.7
PF		iP	02 18 03.5
		i	18 11.3
		iS	18 39.5
		iS	18 49.6
August 12			
COL		iP	04 11 02
		e	13 41
HH		e(P)	04 16 14
August 12			
OV		iP	06 42 36.4
HH		iP	06 43 22
SH		iP	06 43 15
TUC		e(P)	06 42 04
August 12, H = 10 44 07** Kermadec Islands region.			
BC		eP	10 57 23
COL		e(P)	11 01 37
OV		iP	10 57 25
PF		iP	10 57 25.8
SH		eP	10 57 17
TUC		eP	10 57 23
August 12			
COL		eP	12 35 10
August 12			
COL		eP	15 24 01
August 12, H = 16 10 16** New Hebrides Islands.			
BC		e(P)	16 23 18
COL		eP	16 23 14
OV		eP	16 23 20
PF		iP	16 23 21.6
SH		e(P)	16 23 02
August 12			
PF		iP	18 52 56.1
August 12			
BC		iP	19 13 02
COL		e(P)	19 13 28
OV		iP	19 13 05.0
PF		iP	19 13 05.3
SH		iP	19 12 45
TUC		eP	19 13 10
August 13			
COL		eP	06 10 44
HH		iP	06 16 13
August 13			
COL		iP	09 16 33
HH		iP	09 17 41
August 13			
COL		e(P)	13 14 11
August 13			
COL		e(P)	13 35 31
August 13			
COL		eP	13 54 56
HH		e(P)	13 54 09
August 13			
COL		e(P)	14 40 36
		e	41 03
August 13, H = 16 43 20* 19½°N, 70½°W. Near north coast of Dominican Republic.			
BER		e	16 46 32
		eS	49 00
		iL	49 42
BC		eP	16 51 18
		ePcP	53 15
BOZ		eS	16 57 42
		eL	17 04 52
CHI		eP	16 49 07
		eS	53 21
		eL	53 30
COL		eP	16 54 15
		ePP	56 49
		e(sP)	57 44
HH		iP	16 51 41
		i	51 46
		eS	58 24
LOG		eP	16 51 10
		e(PcP)	53 14
		eL	17 00 26
OV		iP	16 51 17.3
PHIL		eP	16 48 02
		iP	48 04
PHIL		eS	16 51 58
		eL	53 05
PF		iP	16 51 14.0
SJ		iP	16 44 23
		i	44 41
		iS	45 01
		iL	45 09
SH		eP	16 52 09
SIT		eS	17 01 47
		e(ScS)	03 24
		eL	15 30
TUC		eP	16 50 47
		ipP	51 16
		ePP	52 18
		eS	52 41
		e(PcP)	52 42
		e	53 14
		eL	59 45
WASH		eP	16 47 56
		iS	51 28
		eL	59 14
August 13, H = 18 39 16* 51½°N, 177°W. Andreanof Islands, Aleutian Islands. Felt at Adak. h = about 100 km.			
BC		iP	18 47 39
		i	47 52
COL		eP	18 43 48
		eS	47 36
		e(ScP)	51 53
HH		iP	18 46 45
		iPcP	48 52
		isPP	49 04
		e(ScS)	57 09
OV		iP	18 47 39.1
PF		iP	18 47 42.9
SH		iP	18 46 38
TUC		iP	18 48 17
August 13			
OV		i(P)	19 55 23.1
PF		e(P)	19 55 20
TUC		eP	19 54 55
August 14			
OV		e(P)	01 40 59
TUC		e(P)	01 40 31

Date and Station	Phase	(GCT)
		h m s
August 14, H = 06 31 35** Near coast of southern Peru. Felt.		
BC	e(P)	06 42 34
HH	e(P)	06 43 23
OV	iP	06 42 35.5
	i	42 56.7
PF	iP	06 42 31.2
SH	e(P)	06 43 16
August 14		
HH	iP	07 20 31
August 14		
HH	iP	08 14 07
	i	14 12
PF	eP	08 13 43
August 14		
HH	e(P)	08 55 40
August 14		
COL	e(P)	13 32 53
	e	37 14
HH	iP	13 42 19
OV	e(P)	13 45 54.8
SH	eP	13 42 17
August 14, H = 19 16 By PAS, 33°07'N, 115°34'W. Calipatria, Calif. aftershock. Mag. 4.7		
TUC	eP	19 17 16
	i	17 21
	e	17 51
August 14, H = 22 51 26* 27°S, 62½°W. Santiago del Estero province, Argentina. h = about 650 km. Mag. 7½.		
BH	iP	22 58 26
	eS	23 03 49
	e(sS)	07 23
BER	iP	23 00 37
	epP	02 30
	isP	03 36
	epPP	04 33
	iS	07 43
	iScS	09 25
	i	10 20
	iSS	12 37
BC	iP	23 02 23
	ipP	04 43
BC	iPP	23 05 53
	ipPP	07 00
	iS	11 50
	e	21 09
	i	23 05
	e(P'P')	29 25
BOZ	iP	23 02 59
	epP	05 10
	ePP	06 25
	iS	12 22
	i	12 40
	iSP	13 21
	i	14 15
	isS	16 25
	eSS	18 38
	esSS	21 40
BUT	iP	23 03 06
	epP	05 15
	e(PP)	06 27
	iSKS	12 32
	iS	12 48
	esS	16 35
	eSS	18 57
	e(SSS)	22 18
CHI	iP	23 01 44
	epP	03 50
	e(pPP)	06 34
	iS	10 18
	iScS	10 48
	isP	10 55
	e	13 18
	eSS	13 50
	esPS	14 42
	e(sSS)	17 36
	eL	20 46
COL	eP	23 05 02
	epP	07 06
	iP'	08 53
	eSKS	14 39
	e(SKKS)	15 45
COLU	eP	23 00 57
	epP	03 00
	iS	08 44
	eScS	09 45
	esS	12 06
	eL	16 30
LOG	iP	23 02 45
	ipP	05 18
	iS	12 04
	eL	21 21
	i	31 41
OV	iP	23 02 35.0
	iS	11 53.5
	eP'P'	29 16
	e(SKPP')	30 30
PHIL	iP	23 01 28
	i(PcP)	02 12
	ipP	03 32
	e(PP)	04 29
	i(PFP)	05 56
	eS	09 34
PHIL	iS	23 09 41
	iScS	10 25
	isS	13 18
	iSS	14 17
	eL	19 17
PF	iP	23 02 31.8
	ipP	04 53
	iPP	05 40
	iS	11 46
	i(PKKP)	19 12
	eP'P'	29 03
	i(SKPP')	31 33.9
SJ	iP	22 58 52
	i	59 14
	ePcP	23 00 17
	epP	00 44
	e	01 09
	isP	01 48
	eScP	03 08
	esPP	03 37
	ePcS	04 08
	iS	04 45
	e	07 18
	iScS	07 37
	e(sS)	08 04
	eSS	08 29
	eL	10 09
	iSKKP	21 53
SH	iP	23 03 09
	ipP	05 26
	ePP	06 56
	eSKS	12 33
	eS	12 52
	e	19 44
	iPKKP	20 56
	eP'P'	28 40
SIT	eP	23 04 30
	epP	06 43
	ePP	08 40
	epPP	10 35
	e	10 52
	iSKS	14 05
	iS	15 20
	esS	19 17
	eSS	22 18
	esSS	26 20
TUC	iP	23 02 06
	iPcP	02 20
	ipP	04 23
	e(PP)	05 05
	eS	10 55
	iS	10 56
	i(ScS)	11 24
	i	13 12
	eSS	15 09
	i	16 28
	ePKKP	20 24
	eP'P'	29 05
	iSKPP'	31 44
	e(P'P'P')	48 31
	eL	24 30
WASH	iP	23 01 22
	ipP	03 25
WASH	iPP	23 03 58
	ipPP	05 39
	iPPP	05 50
	i(S)	09 32
	e	11 26
	i	29 41
August 14		
COL	e(P)	23 47 02
	e	49 24
OV	e(P)	23 49 05
PF	e(P)	23 39 01
	e	48 38
August 15		
BH	eP	03 11 07
	iS	11 49
August 15, H = 04 47 35** Kurile Islands. h = about 150 km.		
BC	e(P)	04 58 09
	epP	58 43
COL	eP	04 54 23
OV	e(P)	04 58 08
	ipP	58 42
PF	eP	04 58 13
	ipP	58 45.4
SH	iP	04 57 19
	epP	57 49
TUC	eP	04 58 41
	epP	59 14
August 15		
PF	e(P)	05 37 50
August 15		
OV	e(P)	08 40 52
PF	e(P)	08 40 47
August 15		
COL	i(P)	09 36 30
August 15		
COL	i(P)	09 50 01
August 15		
OV	e(P)	10 58 54
PF	e(P)	10 58 57
August 15		
COL	e(P)	13 18 56
	e	19 42
August 15, H = 14 09 30* 28½°N, 97°E. Assam. 574 killed. Damage estimated at $20 million. Mag. 8.6.		

Date and Station		Phase (GCT) h m s
BH	e	14 29 26
	ePPS	45 13
	eL	15 22 00
BER	eP	14 24 26
	i(PP)	29 12
	iPP	29 41
	iSKS	34 58
	iSKKS	36 16
	iS	37 21
	iL	15 08 00
T_P = 2 sec. A = 3mm.		
T_{SKS} = 18 sec. A = 66mm.		
T_L = 20 sec. A = 128mm.		
BC	eP	14 24 02
	eP'	27 59
	iPP	28 37
	iScS	31 13
	eSKS	34 24
	eSKKS	35 39
	e(PS)	38 20
	i	40 34
	eP'P'	48 30
BOZ	eP	14 23 23
	iPP	27 36
	ePPP	30 43
	iSKS	34 08
	eS	35 41
	i	37 01
	ePSPS	43 15
	eL	56 09
BUT	eP	14 23 26
	iPP	27 36
	eS	33 33
	iSKS	34 03
	i(PPS)	37 48
	i	40 14
	i	43 23
	i(P'P')	48 31
	iL	58 32
CHI	eP	14 23 56
	ePP	28 46
	ePPP	31 06
	eSKS	34 36
	eS	36 26
	iS	36 36
	eSS	43 36
	e	44 46
	e	47 06
	e(SSS)	47 32
	eL	52 52
COL	eP	14 21 10
	iP	21 11
	eS	30 39
	iScS	31 30
	iPKKP	39 06
	iP'P'	48 14
COLU	e(P)	14 24 40
	e(P')	28 48
	ePP	29 30
	ePPP	31 30
COLU	iSKS	14 35 04
	e	35 50
	eS	37 04
	e	38 05
	e(PS)	38 58
	iPS	39 25
	ePPS	40 44
	eSS	45 26
	eSSS	49 50
	eL	58 05
LOG	eP	14 23 43
	i	24 38
	i	26 55
	iPP	28 00
	e	33 41
	iSKS	33 51
	iPS	36 37
	iSS	42 42
	iL	59 27
OV	eP	14 24 00
	ePP	28 36
PHIL	eP	14 24 10
	eP'	28 05
	ePP	28 43
	iPPP	30 59
	i	31 53
	i(SKS)	34 21
	iS	36 23
	i	37 22
	iPS	38 33
	iPPS	39 48
	iSS	45 12
	iPSPS	48 57
	iL	53 32
PF	eP	14 24 02
	i	25 03
	iPP	28 46.1
SJ	eP'	14 28 47
	ePP	31 07
	iPP	31 09
	i	32 05
	e(SKS)	35 25
	iSKS	35 53
	ePS	41 38
	eSS	47 47
	eSSS	52 54
	eL	59 40
SH	eP	14 23 28
	ePP	27 37
	eSKS	33 54
	eS	35 03
	e(PKKP)	39 38
	eP'P'	47 57
	e(P'P'P')	15 09 23
SIT	iP	14 22 05
	ePP	25 30
	iS	32 28
	ePPS	33 30
	iL	55 18
TUC	eP	14 24 23
	eP'	28 23
	ePP	28 56
	iPP	29 11
	i	29 22
	e(SKS)	35 05
	i(PS)	39 00
	e	39 48
	i	52 06
	eL	15 04 00
WASH	eP	14 24 14
	iP'	27 49
	iPP	29 06
	i(PPP)	31 33
	i	34 05
	iS	36 31
	iPS	38 26
	iPSPS	45 19
	eL	56 30
Aug. 15		
COL	iP	14 45 14
PF	iP	14 39 38
Aug. 15		
COL	i(P)	15 03 00
Aug. 15		
COL	i(P)	15 12 51
	i(PP)	14 32
Aug. 15		
COL	iP	15 28 20
HH	eP	15 30 19
PF	e	15 35 09
	i	35 48
Aug. 15		
COL	iP	15 38 05
HH	e(P)	15 40 02
Aug. 15		
COL	eP	16 09 28
HH	eP	16 11 28
Aug. 15		
BC	e(P)	16 47 57
COL	eP	16 41 08
HH	iP	16 43 08
OV	e(P)	16 47 52
PF	eP	16 47 48
	e	48 32
Aug. 15		
HH	eP	17 03 47
	ePP	07 48
	e(SKS)	13 00
OV	eP'	17 08 17
	ePP	09 06
	iPP	09 10.6
	i	14 19.4
	eSKKS	15 48.6
PF	eP'	17 08 41
	iPP	09 14.1
Aug. 15		
BC	e(P')	17 35 34
COL	iP	17 28 43
HH	eP	17 30 41
	e	34 40
OV	e(P)	17 35 20
	i	36 03
PF	e(P)	17 34 52
	i	36 07.1
	e	58 28
Aug. 15		
HH	e(P)	17 57 05
OV	e(P)	17 58 23
Aug. 15		
PF	e(P)	18 21 48
Aug. 15		
HH	e(P)	18 42 52
Aug. 15, H = 18 38 40* 28½°N, 94½°E. Assam.		
BC	e(P')	18 57 43
COL	iP	18 50 25
	eS	19 00 15
	eP'P'	17 22
	eL	23 35
OV	e(P)	18 56 00
	iPP	57 45.7
PF	eP	18 57 13
	iPP	57 48.6
SH	e(P)	18 56 33
TUC	e(P)	18 57 29
	e	57 31
Aug. 15		
COL	iP	19 07 00
	e	08 23
Aug. 15		
COL	e(P)	19 29 49
	e(pP)	30 24
	e	31 52
Aug. 15		
COL	iP	19 35 07

Date and Station		Phase	(GCT) h m s
OV		e(P)	19 27 28
PF		e(P)	19 27 32
Aug. 15			
COL		e(P)	19 45 26
		i	45 31
HH		iP	19 47 32
OV		e(P)	19 52 59
Aug. 15			
COL		e(P)	20 10 30
		e	10 39
HH		e(P)	20 12 30
PF		e(P)	20 17 43
Aug. 15			
OV		e(P)	20 54 59
PF		e(P)	20 54 55
Aug. 15, H = 21 01 33* 28°N, 96°E. Assam.			
HH		e(P)	21 15 16
Aug. 15			
COL		eP	21 28 07
HH		eP	21 30 06
OV		e(P)	21 35 31
PF		e(P)	21 20 00
Aug. 15			
COL		eP	21 42 36
Aug. 15, H = 21 42 19* 26°N, 92½°E. Assam. Felt.			
BER		eL	22 45 00
BC		e(PP)	22 00 59
COL		iP	21 54 21
		i	54 34
		ePP	57 22
		eS	22 04 16
		eScS	04 41
		e	21 12
LOG		ePP	22 01 21
		e(S)	08 55
		eL	45 22
OV		eP	21 56 29
		iPP	22 01 11.0
		ePKKP	11 51
PHIL		e	22 04 37
		ePS	11 31
		eL	34 10
PF		eP'	22 00 32
		iPP	01 40.6
		i	01 55.7
SH		eP	21 56 41
		ePP	22 00 30
SIT		iP	21 55 14
		ePP	58 34
		iS	22 05 38
		ePS	05 56
		iPPS	06 18
		e	16 10
		eSS	11 30
		eL	30 00
TUC		eP'	22 01 08
		e	02 55
WASH		ePP	22 02 02
		e	04 37
		eL	49 12
Aug. 15			
COL		iP	22 21 48
Aug. 15			
OV		e(P)	22 29 16
PF		e(P)	22 32 02
Aug. 15			
COL		eP	22 42 34
		iP	42 35
Aug. 15			
COL		e(P)	23 31 28
		i	31 33
		e	34 08
Aug. 15			
COL		e(P)	23 38 48
Aug. 15			
COL		eP	23 50 40
Aug. 15			
COL		iP	23 52 46
Aug. 15			
COL		iP	23 56 24
HH		iP	23 58 25
Aug. 16			
COL		iP	00 08 13
HH		eP	00 02 25
OV		i(P)	00 02 37.1
PF		eP	00 03 22.1
		i	03 48.1
Aug. 16			
PF		e(P)	00 14 19
		i	15 38.1
Aug. 16			
CV		e(P)	03 51 46
Aug. 16			
BER		eL	06 38 20
BC		eP'	05 51 53
BUT		eL	06 28 13
CHI		eSKS	05 58 06
		eL	06 34 40
COL		eP	05 44 47
HH		e(P)	05 50 46
OV		e(P')	05 51 33
		iPP	52 04.6
PHIL		eSKS	05 58 22
		ePPS	06 02 51
		eL	31 08
PF		eP'	05 51 38
		ePP	52 19
SIT		e(P)	05 45 42
		eS	55 57
		iScS	56 04
		e(PS)	56 15
		eL	06 20 00
TUC		eP'	05 51 48
WASH		eL	06 40 18
Aug. 16			
OV		e(P)	06 02 59
PF		e(P)	06 02 57
Aug. 16			
COL		e(P)	12 50 14
Aug. 16, H = 06 41 56* 27°N, 96°E. Assam-Burma border.			
BER		eL	07 44 25
BC		e(P')	06 59 23
BUT		ePP	07 00 08
		eS	07 37
		eL	41 13
CHI		eSKS	07 07 02
		ePS	10 28
		eL	35 08
COL		eP	06 53 43
HH		eP	06 55 45
		iPP	59 46
LOG		e(PP)	07 00 03
OV		eP	06 56 33
		iP'	07 00 20.5
		iPP	01 03.7
PHIL		e	07 02 21
		eSKS	07 23
		ePS	10 41
		e(PSPS)	17 56
		e(SSS)	20 10
		eL	35 03
PF		eP'	06 59 44
		i	07 00 36.2
		iPP	01 08.4
SH		eP	06 56 01
		ePP	59 44
SIT		iP	06 54 37
		eS	07 05 00
		iS	05 05
		eSS	10 18
		eL	28 00
TUC		eP'	07 00 45
WASH		ePP	07 01 20
		eL	49 07
Aug. 16			
HH		eP	07 12 10
OV		eP	07 11 40
PF		eP	07 11 13
Aug. 16			
COL		eP	07 58 22
HH		eP	08 00 26
OV		e(P)	08 05 25
		i	05 44.7
PF		eP	08 05 39
Aug. 16, H = 09 13 50* 14°N, 146°E. Marianas Islands.			
BC		eP	09 26 46
COL		eP	09 24 47
HH		eP	09 26 33
OV		eP	09 26 47
PF		iP	09 26 49.9
SH		eP	09 26 12
		e	26 23
Aug. 16			
COL		eP	11 40 11
HH		e(P)	11 42 15
		e	46 15

Date and Station		Phase (GCT)
		h m s
OV	e(P)	11 47 32
PF	e(P)	11 47 16
Aug. 16		
OV	e(P)	15 36 44
Aug. 16		
BC	e	15 48 12
	ePP	48 26
COL	eP	15 41 05
HH	eP	15 43 07
	ePP	47 49
OV	iP	15 48 28.3
PHIL	eP'	15 58 03
	eL	16 34 10
PF	eP'	15 47 58
	iPP	48 30.8
	e(SKKS)	55 15
SH	eP	15 47 26
SIT	eS	15 52 23
	e	52 42
	eL	16 21 00
TUC	e(P)	15 48 28
Aug. 16		
COL	eP	16 47 44
OV	eP	16 49 29
	e	55 02
PF	iP	16 49 25.8
	e	55 03
Aug. 16, H = 17 51 27* 27½°N, 92°E. Assam-Bhutan border. Felt.		
BC	ePP	18 10 47
	e	10 54
COL	eP	18 03 25
HH	eP	18 05 23
	ePP	09 21
OV	eP'	18 10 01
PHIL	eL	18 54 06
PF	e(P)	18 10 16
	e	10 55
SH	e(F)	18 09 50
	e	10 09
TUC	e(F)	18 10 20
Aug. 16		
OV	i(P)	18 51 20.5

Date and Station		Phase (GCT)
		h m s
Aug. 16		
BC	ePP	19 44 31
	e	44 49
COL	iP	19 37 15
	i(PcP)	37 26
HH	iP	19 39 17
	ePP	42 56
OV	eP'	19 44 12
	e	44 35
	iPP	44 45.8
PF	eP'	19 44 30
	i	44 39.9
	iPP	45 00.6
SH	ePP	19 53 48
TUC	e(P')	19 44 22
	e	44 54
Aug. 16		
COL	eP	20 08 02
	e	09 22
PF	e(P)	20 06 55
Aug. 16		
COL	eP	20 13 22
	i	13 30
	e	16 20
	eS	23 02
HH	eP	20 15 23
	ePP	19 08
OV	e	20 20 41
PF	e(F)	20 20 41
SH	iP	20 26 18
Aug. 16		
COL	eP	20 23 02
	e	24 22
HH	eP	20 25 01
OV	e(P)	20 31 13
PF	eP'	20 29 53
	e(S)	37 38
SH	i	20 36 07
Aug. 16		
OV	iP	20 35 33.9
	i	37 41.1
	e	40 52
PF	iP	20 35 29.9
	e	37 38
Aug. 16		
BC	ePP	22 03 14
COL	iP	21 55 59
	e	56 30
	ePP	58 46
	e(PPS)	22 06 47

Date and Station		Phase (GCT)
		h m s
HH	iP	21 58 00
	ePP	22 01 55
OV	ePP	22 03 29
PF	eP'	22 02 58
	ePP	03 23
Aug. 16		
COL	eP	22 40 39
Aug. 16		
BC	ePP	23 40 40
COL	iP	23 33 10
HH	eP	23 35 11
	ePP	38 56
OV	eP'	23 39 36
PF	eP'	23 39 59
	ePP	40 36
Aug. 16		
COL	eP	22 16 36
Aug. 16		
COL	eP	22 27 29
Aug. 17		
COL	eP	00 55 33
Aug. 17, H = 01 54 13* 29½°N, 94½°E. Sikang province, China. Felt.		
BC	ePP	02 13 15
COL	iP	02 05 57
HH	eP	02 07 57
	ePP	11 50
OV	eP'	C2 12 32
	iPP	13 19.1
PHIL	ePPS	02 23 03
	eL	49 15
PF	eP'	02 12 48
	iPP	13 20.0
SH	ePP	02 12 21
SIT	eP	02 06 51
	e(S)	17 18
TUC	eP'	02 12 57
Aug. 17		
OV	eP	02 41 47
PF	e(P)	02 41 47
Aug. 17		
COL	iP	03 37 52

Date and Station		Phase (GCT)
		h m s
Aug. 17		
COL	eP	03 55 55
Aug. 17		
COL	e(P)	04 29 05
	e	29 41
Aug. 17		
COL	e(P)	05 00 00
	i	00 12
	i	00 15
HH	iP	05 04 33
Aug. 17		
COL	e(F)	05 16 31
Aug. 17, H = 05 29 14* 30°N, 94°E. Sikang province, China.		
COL	iP	05 40 51
BC	eP	05 53 00
OV	eP'	05 47 45
	iPP	48 12.6
	e	53 05
PF	eP'	05 47 48
	iPP	48 16.5
	e	53 10
SH	eSKS	05 52 51
Aug. 17		
TUC	e(F)	07 11 22
Aug. 17		
COL	e(P)	07 59 53
Aug. 17		
COL	e(F)	08 16 39
	e	19 35
	e(S)	21 57
HH	eP	08 18 39
Aug. 17		
OV	e(P)	08 29 14
Aug. 17		
BC	e(F)	09 14 34
COL	e(P)	09 15 10
OV	iP	09 14 37.2
Aug. 17		
COL	eP	09 25 18
Aug. 17		
PF	eP	09 14 37
Aug. 17		
OV	eP	09 48 58
	i	49 23.5

Date and Station	Phase	Phase (GCT) h m s
PF	eP	09 48 57
	i	49 23.4
TUC	e(P)	09 14 46
Aug. 17		
COL	eP	10 42 33
	i	42 43
HH	eP	10 44 32
OV	e(P)	10 49 57
PF	e(P)	10 49 59
Aug. 17		
COL	eP	13 01 23
Aug. 17		
COL	e(P)	13 46 45
	e	50 25
Aug. 17		
COL	e(P)	14 04 16
Aug. 17, H = 14 23 16* 12½°S, 172°W. Samoa Islands. h = about 150 km.		
BC	eP	14 34 33
	epP	35 08
COL	iP	14 35 10
	ipP	35 46
HH	eP	14 35 07
OV	eP	14 34 38
	epP	35 13
PF	iP	14 34 37.1
	ipP	35 12.6
SH	iP	14 34 19
	ipP	34 55
TUC	eP	14 34 39
	epP	35 15
Aug. 17		
COL	iP	14 55 51
	e(S)	15 02 47
HH	eP	14 57 52
Aug. 17		
HH	iP	15 04 01
OV	e(P)	15 03 16
	i	03 21.5
PF	iP	15 04 23.1
Aug. 17		
COL	eP	15 45 29
Aug. 17		
COL	eP	15 56 33
Aug. 17, H = 16 15 22* 21°S, 180. Fiji Islands region. h = about 600 km. Mag. 6-3/4 - 7.		
BER	eSKS	16 39 16
	eS	40 54
	e(SKSP)	43 36
	ePS	44 03
	esPS	46 49
	e(SS)	50 16
	i	51 17
	esSS	53 06
T_{SKS} = 5 sec. A = 4mm.		
BOZ	epP	16 29 43
	eS	37 06
	iSKS	37 07
	iS	37 43
	esS	41 41
	esPS	42 35
BUT	e(pP)	16 29 45
	esPS	42 02
	i	42 37
	esSS	46 44
	eL	56 45
COL	iP	16 27 20
	ipP	29 31
	eSKS	36 52
	eS	37 12
	iS	37 23
	e	42 44
	e(P'P')	52 46
HH	iP	16 27 27
	ipP	29 42
	ePP	31 13
	iSKS	37 03
	iPKKP	44 43
	iP'P'	52 40
	eP'P'P'	17 13 41
LOG	iP	16 27 19
	ipP	29 34
	ePP	31 30
	iSKS	36 52
	iS	37 21
	esPS	41 57
OV	iP	16 26 58.3
	ipP	29 09.9
	iPP	30 25
	e	35 20.6
	iS	36 31.1
	e(PKKP)	45 06
	i	46 01.6
	eP'P'	53 01
PHIL	eSKS	16 38 51
	e	40 04
PHIL	i(SKKS)	16 40 05
	eS	41 01
	eSP	42 58
	esPS	46 34
	iSS	49 21
	e	55 27
	eL	17 03 30
PF	iP	16 26 57.7
	epP	29 10
	ePP	30 08
	e	35 19
	eSKS	36 31
	iPKKP	45 05
	i	46 13
	eP'P'	53 04
	i(pP'P')	55 30
SLC	eP	16 27 14
	epP	29 25
	ePP	31 32
	epPP	33 03
	iSKS	36 48
	eSKKS	37 23
	iSKKS	37 24
	eSP	38 27
SJ	iSKS	16 39 01
	iSKKS	40 22
	e	43 13
SH	iP	16 26 43
	ipP	28 54
	e	30 34
	eS	36 05
	e	44 15
	eP'P'	53 00
	i	53 10
SIT	iP	16 27 10
	epP	29 24
	eSKS	36 35
	iS	37 01
	eSP	38 05
	iSP	38 06
	esPS	41 48
	iSS	43 04
TUC	eP	16 27 00
	iP	27 01
	ipP	29 10
	iPP	30 27
	e	33 10
	eSKS	36 30
	iS	36 48
	e(SP)	37 27
	i(PKKP)	45 03
	eP'P'	53 04
	eSKPP'	55 33
Aug. 17		
COL	e(P)	17 12 59
Aug. 17		
PF	e(P)	20 14 30
SH	e(P)	20 13 16
	e	13 39
Aug. 17		
COL	eP	20 23 58
	e	24 55
Aug. 17		
PF	eP	20 45 37
Aug. 17		
COL	eP	21 47 10
Aug. 17		
COL	eP	22 30 21
Aug. 17		
COL	iP	23 33 35
HH	iP	23 35 36
SH	eP	23 38 15
Aug. 17		
COL	iP	23 58 44
Aug. 18		
COL	iP	00 08 22
SH	e(P)	00 00 58
Aug. 18, H = 01 07 34* 25½°N, 96°E. Northern Burma. Felt.		
BER	ePP	01 27 46
	eSKS	33 22
	ePS	37 12
	ePPS	38 38
	eSS	43 36
	e	44 02
	eL	02 09 03
T_{SKS} = 6 sec. A = 4mm. T_L = 26 sec. A_{max}=9mm. T_L = 20 sec. A = 8mm.		
BOZ	ePP	01 25 56
	eSKS	32 24
	eSS	40 30
	eL	02 01 10
BUT	ePP	01 25 53
	eSKS	32 21
	e	35 08
	eL	02 00 38
COL	iP	01 19 29
	iPP	22 17
	eS	29 06
	e	29 17
	eP'P'	47 02
COLU	eL	02 09 00

Date and Station		Phase (GCT) h m s
HH	iP	01 21 31
	ePP	25 07
	iPP	25 32
	eSKKS	32 13
	e(PKKP)	38 13
	e(P'P')	47 55
LOG	e	01 22 02
	ePP	26 19
	eSKKS	32 34
	e(PS)	35 28
	eSS	40 38
	eL	02 04 47
OV	eP	01 22 21
	eP'	25 49
	iPP	26 52.2
	e(PS)	36 24
PHIL	ePP	01 27 23
	ePPP	29 09
	iSKS	33 06
	i	34 02
	eS	34 39
	ePS	36 29
	ePPS	37 32
	eSS	41 18
	e	44 21
	eSSS	46 06
	eL	02 01 00
PF	eP	01 22 22
	iPP	26 52.7
	ePS	36 19
SH	eP	01 21 47
	ePP	25 45
	e(SKS)	32 25
	ePKKP	37 50
SLC	ePP	01 26 20
	e	28 45
	eSKS	32 40
	eSKKS	33 28
	e	35 45
	eL	02 02 24
SIT	iP	01 20 24
	e	22 46
	ePP	23 18
	e(PPP)	25 37
	eS	30 45
	eScS	31 01
	ePSPS	39 36
	eL	54 00
TUC	e	01 26 33
	ePP	26 52
	e	27 23
	eSKS	33 21
	e(S)	34 29
	ePS	37 06
	eL	02 08 00
WASH	e(P')	01 26 18
	ePP	27 15
	ePS	36 05
	e	41 19
	eL	02 09 23

Date and Station		Phase (GCT) h m s
Aug. 18		
OV	e(P)	01 37 38
PF	e(P)	01 46 50
Aug. 18		
COL	eP	02 46 55
OV	eP	02 47 13
PF	eP	02 47 13
Aug. 18		
COL	eP	04 33 43
HH	eP	04 35 44
Aug. 18		
COL	e(P)	04 43 45
Aug. 18		
COL	e(P)	04 51 56
OV	e(P)	04 51 21
PF	eP	04 51 20
SH	e(P)	04 51 24
Aug. 18		
COL	e(P)	07 23 15
OV	e(P)	07 24 02
PF	e(P)	07 23 53
	e	23 45
Aug. 18		
COL	e(P)	11 32 01
	iP	32 03
	e	34 47
HH	iP	11 34 05
OV	eP	11 39 23
PF	eP	11 39 19
Aug. 18		
SH	e(P)	12 23 00
Aug. 18		
COL	iP	14 17 36
Aug. 18		
COL	iP	14 21 54
Aug. 18		
BC	eP	15 50 56
OV	e(P)	15 51 31
PF	eP	15 50 57
	i(S)	51 38.1
SLC	eL	15 55 20

Date and Station		Phase (GCT) h m s
Aug. 18		
TUC	eP	16 50 22
	i	50 26
	i	50 37
	iS	51 29
	i	51 34
	i	51 45
	eL	52 08
Aug 18, H = 16 58 47* 30°N, 96°E. Sikang province, China.		
BER	ePS	17 28 25
	e	42 13
	eL	51 10
BC	eP'	17 17 13
CHI	eL	17 38 02
COL	iP	17 10 22
	iPP	13 08
	eS	19 57
	e	24 44
HH	iP	17 12 26
	iPP	16 15
	i	22 03
	e	35 30
OV	eP'	17 16 42
	i(PP)	17 39.7
PHIL	ePP	17 19 39
	eSKS	24 09
	ePS	27 25
	eSSS	37 30
PF	eP'	17 16 39
	i	17 29.1
	iPP	17 43.6
SLC	eL	17 39 12
SH	eP	17 12 43
	ePP	16 41
TUC	eP'	17 17 30
	ePP	18 20
Aug. 18		
OV	e(P)	17 23 27
PF	e(P)	17 23 29
SH	eP	17 23 11
TUC	e(P)	17 23 51
	e	26 15
Aug. 18		
SIT	e(P)	18 11 19
	eL	36 00
Aug. 18		
COL	eP	18 41 41

Date and Station		Phase (GCT) h m s
Aug. 18		
COL	e(P)	19 29 38
Aug. 18		
COL	eP	19 36 09
	e(pP)	37 29
Aug. 18		
BC	e(P)	19 46 34
COL	iP	19 44 57
	i	48 26
HH	eP	19 47 01
PF	eP	19 47 01
Aug. 18		
SH	e(P)	22 01 00
Aug. 18		
OV	eP	22 26 16
Aug. 18		
COL	iP	22 29 25
	i	30 23
	eS	39 22
HH	iP	22 31 26
	ePP	35 26
OV	iPP	22 36 45.1
PF	iPP	22 36 48.2
Aug. 18		
COL	iP	22 43 15
Aug. 19		
COL	e(P)	02 18 31
Aug. 19		
OV	e(P)	03 04 40
PF	eP	03 04 34
TUC	e(P)	03 03 35
Aug. 19		
COL	eP	04 00 30
	i	01 11
Aug. 19		
COL	eP	06 54 50
	e	57 17
Aug. 19		
COL	eP	07 03 52
Aug. 19		
COL	eP	07 18 32
Aug. 19		
SH	eP	08 55 07
Aug. 19		
COL	e(P)	10 09 58

Date and Station	Phase	Phase (GCT) h m s
Aug. 19		
COL	e(P)	13 38 32
Aug. 19		
COL	e(P)	21 24 11
OV	iP	21 23 36.4
PF	eP	21 23 36
Aug. 19		
COL	iP	21 31 38
	e	34 29
HH	eP	21 37 07
	e	37 19
OV	e(P)	21 39 07
Aug. 19		
BC	eP	22 02 42
COL	e(P)	22 05 55
HH	iP	22 03 28
OV	iP	22 02 43.7
PF	iP	22 02 40.3
TUC	e(P)	22 02 14
Aug. 19		
COL	e(P)	22 54 34
Aug. 20		
BC	eP	00 53 07
BOZ	eL	01 03 25
BUT	eL	01 05 15
OV	eP	00 53 02
PHIL	eL	01 07 27
PF	eP	00 52 55
TUC	eP	00 51 58
	e	57 50
Aug. 20, H = 01 44 55* 47½°N, 113½°W. Western Montana. Felt.		
BC	eP	01 47 42
	e(S)	50 50
BOZ	eP	01 45 33
	e	45 55
	iS	46 03
BUT	iP	01 45 19
	i	45 35
	iL	45 40
CHI	eL	01 54 53
COL	eP	01 50 26
	e(L)	58 31
LOG	e	01 46 26
	e	46 38
	e	46 41
	eS	47 11
	iL	47 51
OV	eP	01 47 34
	iL	50 36.8
PHIL	eL	02 00 06
PF	iP	01 47 39.6
	iL	50 50.3
SH	eP	01 47 14
	i	47 30
	e(S)	49 03
	eL	49 50
TUC	eP	01 48 33
	eL	53 07
WASH	eL	01 59 28
Aug. 20		
COL	e(P)	04 39 28
HH	eP	04 41 37
Aug. 20		
COL	e(P)	05 05 31
HH	e(P)	05 11 34
Aug. 20		
COL	e(P)	05 44 10
Aug. 20		
COL	e(P)	07 21 06
Aug. 20		
COL	e(P)	07 26 20
Aug. 20		
HH	e(P)	09 45 51
Aug. 20, H = 09 03 35* 29°N, 94°E. Assam-China border		
COL	iP	09 15 14
	ePP	18 00
	e(S)	25 26
HH	iP	09 17 16
	ePP	21 07
	iPP	21 17
	e	24 35
OV	ePP	09 22 34
PF	iPP	09 22 30.4
SH	ePP	09 21 28
TUC	eP'	09 22 22
Aug. 20		
COL	e(P)	10 17 36
Aug. 20		
COL	e(P)	10 48 15
	i(pP)	48 53
HH	eP	10 50 55
Aug. 20		
COL	e(P)	11 18 27
Aug. 20		
BC	e(P)	11 43 17
OV	e(P)	11 43 25
PF	i(P)	11 43 05.4
Aug. 20		
COL	e(P)	12 40 29
Aug. 20		
TUC	eP	14 07 46
Aug. 20		
OV	iP	14 33 16.2
PF	iP	14 33 11.6
Aug. 20		
OV	iP	15 07 47.8
PF	iP	15 07 47.6
August 20		
COL	eP	16 02 05
	e(pP)	03 27
Aug. 20		
OV	e(P)	16 32 24
PF	e(P)	16 32 24
Aug. 20		
OV	e(P)	17 48 44
Aug. 20		
COL	e(P)	20 08 30
	e	08 34
	i	10 35
Aug. 20		
COL	e(P)	20 15 23
Aug. 20		
OV	e(P)	20 29 01
COL	e(P)	20 33 01
HH	e(P)	20 30 07
PF	e(P)	20 28 53
TUC	e(P)	20 28 18
Aug. 20		
COL	e(P)	21 03 57
Aug. 20		
OV	eP	21 16 42
PF	eP	21 16 39
Aug. 20, H = 23 34 19* 15°S, 167°E. New Hebrides Islands.		
BC	iP	23 47 18
	ePP	50 52
COL	eP	23 47 03
	i	47 14
	ePP	50 21
HH	eP	23 47 39
	eP'P'	00 12 59
OV	iP	23 47 21.3
PF	iP	23 47 21.8
SH	eP	23 46 58
	e	47 25
TUC	eP	23 47 29
	i	47 39
Aug. 21		
COL	iP	00 41 19
HH	e(P)	00 43 22
Aug. 21		
COL	e(P)	01 04 33
Aug. 21		
COL	e(P)	02 29 36
Aug. 21		
COL	e(P)	04 33 29
Aug. 21		
COL	iP	05 30 34
Aug. 21, H = 05 51 35* 28½°N, 96°E. Assam.		
COL	iP	06 03 15
	ePP	06 05
HH	eP	06 05 18
	ePP	09 21
TUC	eP'	06 10 15
Aug. 21		
COL	e(P)	07 03 22
HH	e(P)	07 02 50
Aug. 21		
COL	e(P)	08 36 17
	i	41 09

Date and Station		Phase (GCT) h m s
COL	eS	08 47 22
HH	eP	09 43 14
Aug. 21		
COL	iP	10 05 49
HH	eP	10 07 54
Aug. 21		
COL	eP	10 53 13
Aug. 21		
COL	e(P)	15 01 13
Aug. 21, H = 15 40 59* 20°N, 70°W. Off north coast of Dominican Republic.		
BER	eL	15 47 10
BC	iP	15 48 58
COL	eP	15 51 55
HH	eP	15 49 20
OV	iP	15 48 58
PF	iP	15 48 52.7
SJ	eP	15 42 04
	iP	42 08
	iS	42 53
	iL	43 10
SH	iP	15 49 47
TUC	eP	15 48 26
Aug. 21		
COL	i(P)	17 53 35
Aug. 21		
COL	iP	18 55 31
OV	e(P)	19 02 44
	i	02 54.3
PF	e(P)	19 02 21
	i	02 57.3
Aug. 21		
OV	e(P)	21 07 43
PF	e(P)	21 07 47
Aug. 21		
SH	i(P)	22 05 11
PF	e(P)	22 05 26
Aug. 21		
TUC	e(P)	22 14 50
Aug. 21		
OV	e(P)	22 14 51
PF	e(P)	22 14 37
Aug. 21		
COL	iP	23 07 22
OV	e(P)	23 14 44
PF	e(P)	23 14 41
Aug. 22		
COL	e(P)	00 42 41
	e	42 45
OV	e(P)	00 46 48
Aug. 22		
OV	e(P)	02 00 44
Aug. 22		
COL	eP	02 09 09
	e	13 39
HH	e(P)	02 11 11
	e	16 06
OV	e(P)	02 16 27
Aug. 22		
SH	eP	02 16 06
TUC	e(P)	02 16 08
Aug. 22		
BC	e(P)	02 30 24
COL	iP	02 34 12
OV	e(P)	02 30 25
PF	e(P)	02 30 26
SH	eP	02 36 38
	ePP	40 40
TUC	eP	02 30 34
Aug. 22		
BC	e(P)	02 41 24
OV	e(P)	02 41 35
PF	e(P)	02 41 35
TUC	e(P)	02 41 56
Aug. 22		
COL	e(P)	03 03 58
Aug. 22		
COL	eP	04 27 14
	e	33 07
Aug. 22, H = 06 43 16* 30½°N, 94°E. Sikang province, China.		
BC	eP'	07 01 41
COL	iP	06 54 52
	iPP	57 39
	eS	07 04 23
HH	eP	06 56 53
	ePP	07 00 38
	i	00 45
	eSKS	07 07 30
OV	ePP	07 02 13
PHIL	eL	07 34 03
PF	iPP	07 02 11
	i	02 18
SH	eP	06 57 09
	e	07 00 19
	ePP	00 56
SIT	e(P)	06 55 49
	eS	07 06 07
	e	06 26
	eL	29 00
TUC	eP'	07 01 54
Aug. 22		
BC	eP	07 50 16
	epP	50 32
COL	e(P)	07 44 07
	e	44 40
HH	e(P)	07 43 28
Aug. 22, H = 07 40 15* 53°N, 159½°E. Near east coast of Kamchatka. h = about 60 km.		
BOZ	eL	08 16 17
COL	iP	07 46 09
	i	46 22
	i	46 30
	i(PP)	47 40
	eS	50 57
	eL	53 46
HH	eP	07 49 19
	e(S)	56 40
LOG	eP'	07 50 01
OV	iP	07 50 15.8
	e(S)	58 27
PF	iP	07 50 19.6
	i(S)	58 34.6
SH	iP	07 49 22
	e(pP)	49 37
	eS	56 45
SIT	e(P)	07 47 24
	iS	52 58
TUC	iP	07 50 50
	e(PP)	53 35
Aug. 22		
BC	iP	10 32 24
COL	e(P)	10 29 14
OV	i(P)	10 32 25.0
PF	iP	10 32 27.7
SH	iP	10 31 42
TUC	e(P)	10 32 41
Aug. 22		
OV	e(P)	11 52 02
	i	52 10.6
PF	e(P)	11 52 06
Aug. 22, H = 13 22 17* 27½°N, 97½°E. Northern Burma.		
COL	eP	13 34 06
	eS	43 49
HH	eP	13 36 08
OV	ePP	13 41 02
	i	41 35.1
PHIL	eL	14 21 27
PF	ePP	13 41 01
SH	e(P)	13 37 27
SIT	eS	13 45 36
	eL	14 05 00
TUC	ePP	13 41 10
Aug. 22		
PF	eP	13 52 08
Aug. 22		
COL	eP	14 16 21
Aug. 22		
COL	iP	15 34 14
	i	34 23
HH	iP	15 33 27
Aug. 22		
PF	e(P)	16 01 55
Aug. 22		
COL	iP	17 31 49
Aug. 22		
COL	e(P)	18 35 59
OV	e(P)	18 35 51

Date and Station	Phase	Phase (GCT) h m s
PF	e(P)	18 35 05
SH	eP	18 35 08
Aug. 22, H = 22 47 58 By PAS, 34°09'N, 119°21'W. Near Ventura. Felt. Mag. 4.2.		
BC	e(P)	22 48 46
	eS	49 12
	eL	49 41
OV	eP	22 49 09
	iP	49 24.6
	i(S)	50 26.2
PF	iP	22 49 10.1
	i	49 13.5
	i	50 17.0
	iS	50 29.8
SH	eP	22 51 06
TUC	e(P)	22 49 54
Aug. 23		
COL	eP	02 01 20
PF	e(P)	02 01 59
SH	eP	02 00 44
Aug. 23, H = 03 09 21* 29½°N, 95°E. Sikang province, China		
BER	eL	04 13 35
BC	ePP	03 28 21
BUT	e	03 27 15
	eL	04 07 17
COL	iP	03 20 59
	iPP	23 46
	eS	30 33
HH	iP	03 23 01
	ePP	26 41
LOG	ePP	03 27 42
OV	ePP	03 28 18
PHIL	eSKS	03 34 31
	ePS	37 59
	eL	04 09 59
PF	e(P')	03 28 02
	iPP	28 21.7
SH	eP	03 23 14
	ePP	27 08
SIT	eP	03 21 53
	e	31 30
SIT	eS	03 32 12
	eL	58 00
TUC	ePP	03 28 35
Aug. 23		
SH	e(P)	04 01 32
Aug. 23		
BC	eP	04 35 54
	e	36 34
	i	36 42
Aug. 23		
COL	e(P)	07 45 25
Aug. 23		
HH	i(P)	10 07 01
Aug. 23		
COL	iP	12 11 27
Aug. 23		
OV	e(P)	14 02 38
PF	e(P)	14 01 21
	i	02 43.5
	i	04 25.5
Aug. 23		
COL	iP	15 45 43
HH	iP	15 47 44
Aug. 23, H = 18 47 02* 29°N, 95½°E. China-Assam border.		
BER	eL	19 52 40
BC	eP'	19 05 30
COL	iP	18 58 41
	iPP	19 01 31
	eS	08 14
	e(PKKP)	16 29
HH	i(P)	19 01 41
	e	01 47
	ePP	04 33
OV	e(P')	19 04 53
	iPP	06 00.1
	e(PKKP)	16 49
PHIL	eSSS	19 25 42
	eL	51 24
PF	e(P')	19 04 51
	iPP	06 03.6
TUC	eP'	19 05 42
Aug. 23		
PF	e(P)	19 16 48
Aug. 23		
COL	eP	19 38 05
	iP	38 06
Aug. 24, H = 01 27 43* 28°N, 96½°E. Assam.		
COL	eP	01 39 28
HH	iP	01 41 32
Aug. 24		
BC	iP	06 17 12
COL	iP	06 14 14
HH	iP	06 16 38
OV	iP	06 17 13.0
PF	iP	06 17 15.0
SH	eP	06 16 33
Aug. 24		
COL	iP	06 25 58
HH	eP	06 28 01
Aug. 24		
BC	e(P)	09 26 50
HH	eP	09 27 09
OV	eP	09 26 46
PF	eP	09 26 53
	iP	26 55.5
SH	iP	09 25 05
	i	25 45
TUC	e(P)	09 27 02
Aug. 24		
HH	iP	11 01 22
OV	eP	11 02 17
PF	e(P)	11 02 22
TUC	e(P)	11 02 27
Aug. 24		
BER	eL	11 18 58
COL	e(P)	11 25 33
HH	eP	11 21 11
OV	e(P)	11 20 48
PF	e(P)	11 20 44
Aug. 24		
HH	e(P)	12 23 55
OV	eP	12 24 34
PF	e(P)	12 24 37
Aug. 24, H = 17 45 34* 42½°N, 126°W. Off coast of Oregon.		
BER	eL	18 11 15
BC	eP	17 48 17
BOZ	eP	17 48 20
	eL	51 03
BUT	eL	17 50 11
COL	e(P)	17 51 06
HH	eP	17 48 05
	eL	50 00
OV	eP	17 48 16
	eL	51 35
PHIL	e(S)	17 59 03
	eL	18 05 48
PF	iP	17 48 22.3
	eL	51 48
SLC	eP	17 48 03
	eS	50 07
	eL	50 45
SH	iP	17 46 27
TUC	eP	17 49 21
	i(PP)	49 39
	i	49 56
	eS	52 34
	eL	52 40
Aug. 24		
OV	e(P)	23 51 24
Aug. 25, H = 02 15 10* 49½°N, 129°W. Off coast of Vancouver Island.		
BOZ	eL	02 21 44
BUT	eL	02 21 32
COL	eP	02 19 26
HH	eP	02 17 39
OV	eP	02 19 09
PHIL	eL	02 31 03
PF	iP	02 19 18.0
SH	eP	02 17 39
TUC	eP	02 20 07
Aug. 25		
COL	iP	08 25 50

Date and Station		Phase (GCT)
		h m s
Aug. 25		
COL	iP	13 15 09
OV	i(P)	13 22 30.5
Aug. 25		
COL	eP	13 34 57
Aug. 25		
COL	eP	17 09 34
Aug. 26		
BER	eL	01 11 30
Aug. 26		
COL	eP	01 41 45
	e	44 33
HH	e(P)	01 43 39
	e	43 51
Aug. 26		
OV	e(P)	02 08 05
TUC	e(P)	02 07 23
Aug. 26		
HH	iP	02 54 56
SJ	iP	02 47 39
	e	47 48
	iS	48 20
	iL	48 30
TUC	e(P)	02 54 06
Aug. 26		
COL	e(P)	03 59 48
Aug. 26		
COL	iP	04 14 36
Aug. 26, H = 04 39 27* 65°N, 162°W. Seward Peninsula, Alaska. Felt at Nome. Mag. 6½.		
BER	e	04 58 42
	eS	59 37
	eL	05 05 50
BC	iP	04 47 08
BOZ	eP	04 46 17
	ePP	47 35
	eS	51 35
	eL	53 47
BUT	ePP	04 47 10
	e(S)	51 20
	eL	53 23
CHI	eP	04 48 00
	eS	54 40
	eSS	57 54
	eL	58 04
COL	eP	04 40 57

Date and Station		Phase (GCT)
		h m s
COLU	eS	04 57 00
	eL	05 03 27
HH	iP	04 45 40
	eS	50 47
	eL	55 43
OV	iP	04 47 05.1
	eS	52 54
	eL	05 02 05
PHIL	e	04 54 45
	e(S)	56 21
	e(SS)	05 00 18
	eL	02 44
PF	iP	04 47 09.3
	e(PP)	48 30
	eS	52 54
	eL	05 01 54
RC	eP	04 46 54
	eS	52 44
	eL	55 39
SLC	eP	04 46 26
	ePP	47 40
	eS	52 19
	eL	55 04
SJ	eL	05 39 26
SH	iP	04 46 08
TUC	iP	04 47 47
	ePP	49 28
	eS	54 33
	eL	05 01 48
WASH	i(P)	04 48 54
	eSS	05 00 47
	eL	06 27
Aug. 26		
BC	eP	05 25 14
Aug. 26		
OV	eP	06 19 37
PF	iP	06 19 31.2
	e	26 14
Aug. 26		
BER	eL	07 30 00
BOZ	eL	07 24 16
BUT	eL	07 26 07
CHI	eL	07 07 44
HH	e(P)	06 46 54
OV	e(P)	06 52 21
PHIL	eL	07 22 15
PF	e(P)	06 52 22

Date and Station		Phase (GCT)
		h m s
RC	eL	07 23 18
WASH	eL	07 26 25
Aug. 26, H = 07 12 29* 19°S, 170°E. New Hebrides Islands. h = about 100 km.		
COL	e(P)	07 25 23
OV	iP	07 25 26.7
PF	iP	07 25 27.7
SH	eP	07 25 10
TUC	iP	07 25 32
Aug. 26		
OV	e(P)	09 59 42
PF	e(P)	09 57 24
Aug. 26, H = 10 41 33** Fiji Islands region. h = about 300 km.		
BC	eP	10 53 38
COL	iP	10 55 10
HH	iP	10 54 09
OV	iP	10 53 40.1
PF	iP	10 53 41.0
SH	e(P)	10 53 26
TUC	iP	10 53 44
Aug. 26		
COL	eP	13 45 41
Aug. 26		
COL	e(P)	15 56 11
Aug. 26		
PF	e(P)	19 40 12
Aug. 27, H = 00 34 12* 65°N, 162°W. Seward Peninsula aftershock. Felt at Nome.		
BC	eP	00 41 50
COL	eP	00 35 42
	i(S)	36 45
	i(L)	37 30
OV	iP	00 41 48.8
PF	iP	00 41 53.4
Aug. 27, H = 00 37 31* 65°N, 162°W. Seward Peninsula aftershock. Felt at Nome.		

Date and Station		Phase (GCT)
		h m s
BOZ	eL	00 52 39
BUT	eL	00 52 41
CHI	e(ScS)	00 56 29
	eL	59 05
COL	eP	00 40 15
	i	40 40
HH	eP	00 43 46
	e(ScS)	55 04
OV	iP	00 45 09.6
PF	iP	00 45 13.9
SLC	eL	00 53 48
SH	eP	00 44 12
TUC	eP	00 45 51
WASH	eL	01 05 40
Aug. 27		
SJ	eP	03 44 35
	iS	50 48
	eL	56 00
Aug. 27		
HH	eP	06 52 08
	eS	52 28
Aug. 27		
HH	eP	08 36 20
Aug. 27		
COL	e(P)	10 39 32
HH	eP	10 35 48
Aug. 27		
OV	eP	10 45 29
	iP	45 38.2
PF	eP	10 45 30
	i	45 37.2
	i	46 25.7
	i	46 39.7
TUC	e(P)	10 46 25
	iP	46 31
	e	48 08
Aug. 27, H = 11 00 04* 30°N, 94°E. Sikang province, China.		
BC	e(P)	11 19 00
COL	iP	11 11 42
HH	e(P)	11 13 41
	e	17 42
OV	e(P)	11 18 33
	i	19 02.4

Date and Station		Phase (GCT)
		h m s
PF	eP	11 18 20
	i	19 06.7
SH	e(P)	11 17 44
	e	18 09
TUC	e(P)	11 19 43
Aug. 27		
COL	e(P)	12 02 56
OV	e(P)	12 10 32
SH	eP	12 08 42
	i	09 34
TUC	e(P)	12 11 41
Aug. 27, H = 14 26 12* 8°S, 74½°W. East central Peru. h = about 150 km.		
COL	iP	14 39 01
	ipP	39 40
HH	eP	14 36 50
OV	eP	14 35 57
PF	iP	14 35 53.6
TUC	iP	14 35 20
Aug. 27, H = 15 33 32** Southwestern Alaska.		
BC	e(P)	15 40 42
COL	eP	15 34 33
	i	35 01
	iL	35 49
HH	eP	15 39 18
OV	eP	15 40 40
	iP	40 41.1
PF	eP	15 40 44
	iP	40 45.9
SH	e(P)	15 39 44
TUC	e(P)	15 41 23
Aug. 27		
COL	iP	18 56 12
HH	iP	18 59 17
	e	19 01 00
OV	e(P)	19 00 14
PF	e(P)	19 00 15
SH	e(P)	18 59 13
TUC	e(P)	19 00 48

Date and Station		Phase (GCT)
		h m s
Aug. 27		
BC	e(P)	19 25 56
HH	e(P)	19 26 46
OV	iP	19 25 47.6
PF	iP	19 25 54.3
TUC	e(P)	19 25 26
Aug. 27, H = 22 03 04* 39°N, 41°E. Eastern Turkey.		
HH	eP	22 16 07
PF	e(P)	22 17 02
Aug. 27		
OV	e(P)	22 33 38
	i	33 55
Aug. 27		
OV	e(P)	22 49 29
	e	49 44
SH	eP	22 47 53
Aug. 28		
BC	e(P)	02 44 44
	e	45 21
Aug. 28		
COL	eP	07 31 12
Aug. 28		
COL	iP	08 01 24
	eS	02 39
	iL	03 17
HH	e(P)	08 06 28
OV	iP	08 07 50.8
PF	i(P)	08 07 55.3
TUC	e(P)	08 08 33
Aug. 28		
BC	e(P)	08 26 57
COL	e(P)	08 27 04
	e	27 18
OV	e(P)	08 27 35
PF	e(P)	08 27 37
TUC	e(P)	08 27 40
Aug. 28, H = 12 52 48** Marianas Islands region.		
BC	eP	13 06 06
COL	iP	13 04 06

Date and Station		Phase (GCT)
		h m s
HH	e(P)	13 05 51
OV	iP	13 06 06.8
PF	iP	13 06 09.2
	i	06 41.0
SH	eP	13 05 32
TUC	e(P)	13 06 26
Aug. 28		
SH	e(P)	19 39 25
Aug. 28, H = 19 45 26 By PAS, 34°18'N, 116°47'W. North Big Bear Lake, Calif. Felt at Big Bear and Fawnskin.		
BC	iP	19 46 05
	eS	46 37
OV	iP	19 46 12.8
	i	46 21.3
	e(S)	47 01
PF	iP	19 46 12.8
	i	46 20.4
	i	46 50.8
	iS	46 59.1
Aug. 28		
BC	e(P)	23 21 29
COL	e(P)	23 19 14
HH	eP	23 18 51
PF	e(P)	23 21 17
SH	iP	23 20 40
Aug. 29		
COL	e(P)	01 34 39
HH	e(P)	01 32 49
OV	e(P)	01 31 38
PF	e(P)	01 31 28
SH	e(P)	01 32 06
TUC	e(P)	01 31 03
Aug. 29		
COL	e(P)	02 19 48
Aug. 29		
BER	eL	05 29 55
COL	e(P)	05 35 40
OV	e(P)	05 33 12
PF	iP	05 33 09.0

Date and Station		Phase (GCT)
		h m s
SJ	eP	05 26 24
	e	26 52
	eL	27 10
Aug. 29		
LOG	e	07 10 42
	e	13 12
	eL	45 06
PF	e(P)	07 20 26
Aug. 29		
COL	eP	07 33 45
PF	e(P)	07 35 47
Aug. 29		
COL	e(P)	09 02 16
Aug. 29		
BC	eP	09 18 25
	iS	18 51
COL	iP	09 16 48
HH	eP	09 18 53
OV	iP	09 18 33.8
	i(S)	19 06.1
PF	eP	09 18 32
	i	18 37.7
	iS	19 12.9
Aug. 29		
OV	e(P)	09 24 09
PF	e(P)	09 24 12
Aug. 29		
BC	iP	15 14 10
COL	iP	15 12 10
HH	e(P)	15 13 49
OV	e(P)	15 14 37
PF	iP	15 14 12.5
SH	iP	15 13 36
Aug. 29		
PF	eP	16 02 14.6
Aug. 29		
BC	eP	18 01 15
COL	e(P)	17 59 58
HH	iP	18 00 58
LOG	e	18 01 11
	e	04 35
OV	eP	18 01 17
	e	03 38
	i	04 41.6

Date and Station		Phase (GCT)
		h m s
PF	e(P)	18 00 07
	i	03 46.1
SH	eP	18 00 59
TUC	e(P)	18 01 16
	e	04 14
Aug. 29, H = 20 23 34** Marianas Islands region.		
BC	e(P)	20 36 50
COL	e(P)	20 34 50
HH	eP	20 36 32
PF	i(P)	20 36 53.2
SH	eP	20 36 17
Aug. 29		
BC	e(P)	21 36 10
COL	e(P)	21 39 22
HH	e(P)	21 37 22
OV	e(P)	21 36 31
PF	iP	21 36 07.2
TUC	e(P)	21 35 33
Aug. 29		
BC	eP	22 46 20
COL	e(P)	22 44 22
	e	45 04
HH	iP	22 46 02
LOG	e(P)	22 46 15
	e	49 38
OV	e(P)	22 46 15
	e	48 41
	i	49 46.1
PF	e(P)	22 46 15
	i	48 56.2
SH	eP	22 46 03
TUC	e(P)	22 46 20
	e	49 17
Aug. 29		
OV	iP	23 40 05.0
PF	i(P)	23 40 09.2
Aug. 29		
COL	e(P)	23 56 13
Aug. 29		
COL	eP	23 59 44
	e	00 00 12

Date and Station		Phase (GCT)
		h m s
Aug. 30		
COL	eP	01 48 12
	i	48 49
Aug. 30		
OV	iP	01 41 01.3
	i(S)	41 48.1
PF	e(P)	01 48 32
Aug. 30		
OV	e(P)	04 03 49
PF	e(P)	04 04 07
Aug. 30		
COL	e(P)	04 47 51
HH	iP	04 49 02
OV	e(P)	04 49 21
PF	e(P)	04 49 21
TUC	e(P)	04 49 20
Aug. 30, H = 04 47 44** Fox Islands, Aleutian Islands. h = about 100 km.		
BC	eP	04 55 25
COL	eP	04 51 23
HH	eP	04 54 23
	ePcP	57 01
OV	eP	04 55 18
PF	eP	04 55 22
SH	iP	04 54 13
TUC	eP	04 55 58
	i	56 11
Aug. 30		
BC	eP	05 33 38
COL	eP	05 33 32
OV	e(P)	05 33 41
PF	e(P)	05 33 37
TUC	e(P)	05 33 43
	e	33 53
Aug. 30		
COL	e(P)	05 45 34
Aug. 30		
COL	e(P)	06 36 28
Aug. 30, H = 06 49 11** Fox Islands, Aleutian Islands.		

Date and Station		Phase (GCT)
		h m s
BC	eP	06 56 50
COL	eP	06 52 56
	e	53 27
HH	eP	06 55 52
OV	eP	06 56 49
PF	iP	06 56 53.4
SH	eP	06 55 45
TUC	eP	06 57 30
Aug. 30		
HH	iP	06 58 32
Aug. 30, H = 06 50 59* 4°S, 129½°E. Off south coast of Ceram Island. Mag. about 6½.		
BER	e	07 11 47
	ePP	14 02
	e(SKKS)	21 22
	ePPS	27 25
	e	30 41
	eSS	32 45
	eL	08 04 45
T_{PP} = 2 sec. A = 3mm. T_L = 20 sec. $A_{max.}$ = 3mm.		
BC	eP'	07 09 42
	ePP	10 31
BOZ	eSKS	07 16 29
	e(PPS)	21 34
	eL	39 30
CHI	e(PP)	07 13 25
	e	20 43
	e	21 07
	eSS	29 26
	eL	44 47
COL	eP	07 04 04
	i	04 19
	ePP	07 17
	e	08 00
	ePKKP	21 20
HH	eP	07 05 44
	eP'	09 38
	ePKKP	20 33
OV	e	07 06 05
	eP'	09 43
	ePP	10 41
	ePKKP	20 29
	iPKKP	20 36.7
PHIL	ePKS	07 14 22
	eSKS	23 19
	e	24 19
	eL	48 34

Date and Station		Phase (GCT)
		h m s
PF	eP	07 05 57
	iP'	09 43.4
	ePKKP	20 26
SH	eP	07 05 26
	e(PPS)	19 07
	e	19 45
TUC	eP'	07 09 51
	ePP	11 10
	ePKKP	20 19
WASH	eP'	07 10 30
	ePP	13 11
	eSSS	35 15
Aug. 30		
COL	e(P)	08 23 40
OV	e(P)	08 23 46
PF	e(P)	08 23 44
TUC	e(P)	08 23 49
Aug. 30, H = 09 13 49* 19°S, 168°E. New Hebrides Islands.		
BC	eP	09 26 56
COL	eP	09 26 51
OV	iP	09 26 58.5
PF	iP	09 26 59.0
TUC	eP	09 27 04
Aug. 30, H = 09 24 35** New Hebrides Islands.		
BC	eP	09 37 42
COL	e(P)	09 37 41
OV	e(P)	09 37 48
PF	e(P)	09 37 46
TUC	e(P)	09 37 51
Aug. 30		
COL	iP	12 49 57
OV	e(P)	12 49 25
PF	e(P)	12 49 25
Aug. 30		
BC	e(P)	16 34 50
COL	e(P)	16 34 50
OV	e(P)	16 34 55
PF	e(P)	16 34 55

Date and Station	Phase	Phase (GCT) h m s
Aug. 30		
COL	eP	16 56 19
	i	56 24
OV	iP	16 59 48.2
	i	59 53.7
	iS	17 00 28
PF	iP	16 59 49.1
	i	59 57.1
	iS	17 00 31.6
Aug. 30		
COL	e(P)	20 15 57
Aug. 30, H = 23 13 53** New Hebrides Islands.		
BC	iP	23 26 56
COL	eP	23 26 55
OV	eP	23 23 59
PF	iP	23 26 59.3
SH	eP	23 26 41
Aug. 31		
COL	iP	00 21 05
	i(S)	21 46
	iL	22 39
HH	iP	00 21 31
Aug. 31		
COL	eP	01 38 15
Aug. 31		
COL	e(P)	06 51 24
Aug. 31, H = 07 05 36* 6°N, 126°E. Near south coast of Mindanao, Philippine Islands. Mag. about 7.		
BH	eP'	07 25 42
BER	eP'	07 25 07
	iPP	28 13
	ePKS	29 26
	e	33 12
	i(SS)	46 29
	eSSS	52 00
	eL	08 02 20
$T_{P'}$ = 2 sec. A = 3 mm. T_L = 20 sec. $A_{max.}$ = 5mm.		
BC	eP	07 20 07
BOZ	eP	07 20 02
	ePP	24 31
	eSKS	30 42
	e(S)	31 32
	ePS	33 45
	eSS	39 49
	ePSPS	40 15
	eL	54 07
BUT	eP'	07 23 31
	eSKS	30 28
	e(S)	31 15
	ePS	33 36
	eSS	39 10
	eL	55 13
CHI	ePP	07 26 21
	eSKS	31 13
	ePS	36 08
	eSS	42 50
	eSSS	47 30
	eL	55 18
COL	iP	07 18 03
	ePP	21 12
	eS	28 22
	e(PKKP)	35 23
	eP'P'	44 10
HH	iP	07 19 45
	e(PP)	23 10
	eSKS	30 19
	eS	31 37
LIN	ePP	07 35 36
	eSS	42 06
	eL	54 27
LOG	e	07 20 11
	ePP	24 30
	eSKS	30 44
	eSKKS	31 27
	iPPS	34 31
	e(SS)	38 28
	eSSS	43 45
	eL	56 42
OV	eP	07 20 08
	iPP	24 11.4
	iPKKP	35 28.2
	eP'P'	43 11
PHIL	ePP	07 27 05
	iPKS	28 19
	ePPP	29 10
	eSKSP	37 07
	i	40 16
	eSS	44 18
	eSSS	48 25
	e	54 59
PF	eP	07 20 10
	iPP	24 13.5
	iSKS	30 47.0
	e	35 00
SLC	eP'	07 24 20
	eSKS	30 19
	e(SKKS)	31 04
	e	31 50
	eS	33 30
	eL	56 38
SJ	eP'	07 25 38
	e	26 16
	e	26 52
	ePP	29 10
	e	08 03 23
	eSKSP	09 35
SH	iP	07 19 34
	e(PP)	23 02
SIT	eP	07 18 41
	iP	18 44
	iPP	21 52
	iSKS	29 04
	iS	29 30
	i(PS)	30 11
	iPS	30 19
	e(PPS)	31 21
	eL	48 00
TUC	e(P)	07 20 57
	e(P')	23 55
	eP'	24 20
	iPP	25 17
	eSKKS	32 14
	ePS	34 39
	eSS	40 44
	eSSS	45 09
	eL	52 38
WASH	eP'	07 24 51
	iPP	27 01
	iPKS	28 05
Aug. 31		
COL	e(P)	07 56 40
Aug. 31		
COL	e(P)	10 27 13
Aug. 31		
HH	iP	11 22 25
OV	iP	11 21 39.0
	iPP	22 07.4
Aug. 31		
BH	iP	12 28 55
	iS	29 15
Aug. 31		
COL	iP	13 34 55
Aug. 31		
COL	e(P)	14 07 33
Aug. 31		
COL	e(P)	15 56 24
Aug. 31, H = 17 22 12* 45°N, 17½°E. Northern Yugoslavia. 70 buildings destroyed at Dubrovici.		
COL	e(P)	17 33 20
HH	iP	17 34 11
Aug. 31, H = 18 47 43* 42°N, 125°W. Off coast of Oregon.		
BC	e(P)	18 50 19
HH	iP	18 50 07
OV	eP	18 50 19
PF	eP	18 50 24
SH	iP	18 48 30
TUC	e(P)	18 51 24
Aug. 31, H = 19 52 33* 29°N, 95½°E. Assam-China border.		
COL	iP	20 04 14
	e	07 10
OV	e(P)	20 11 36
PF	e(P)	20 11 27
Aug. 31		
COL	eP	22 21 39
Aug. 31		
BC	eP	22 36 49
HH	iP	22 37 37
PF	iP	22 36 48.1
SH	i(P)	22 37 27
TUC	e(P)	22 36 21
Sept. 1		
COL	e(P)	00 10 02
	e	11 59
Sept. 1		
OV	eP	00 35 29
Sept. 1, H = 02 46 55* 3½°S, 89½°E. Indian Ocean.		
BC	eP'	03 06 30
COL	eP'	03 05 20
	iPP	05 44
HH	eP'	03 06 08
	iP'	06 10
	i(PP)	09 33
	i	09 45
OV	eP'	03 06 29
PF	eP'	03 06 24
	ePP	09 27
SH	eP'	03 06 09
TUC	iP'	03 06 38
	i	06 47
WASH	e(P')	03 06 39
	e(PP)	10 17

Date and Station		Phase (GCT)
		h m s
Sept. 1		
COL	e(P)	03 16 43
	e	17 10
Sept. 1, H = 07 00 50** Kurile Islands.		
BC	iP	07 11 31
COL	iP	07 07 40
HH	iP	07 10 40
OV	iP	07 11 30.9
PF	iP	07 11 34.3
SH	iP	07 10 39
TUC	eP	07 12 02
Sept. 1		
COL	eP	07 23 35
	iP	23 36
	e	26 20
HH	eP	07 25 38
	e	29 36
OV	e(P)	07 30 27
	e	30 49
PF	e(P)	07 30 41
SH	e(P)	07 30 04
TUC	e(P)	07 31 18
Sept. 1		
COL	i(P)	07 44 41
HH	eP	07 46 40
TUC	e(P)	07 51 37
Sept. 1		
HH	iP	08 46 39
OV	iP	08 45 54.9
PF	iP	08 45 51.6
Sept. 1		
COL	eP	09 13 41
HH	iP	09 18 53
OV	iP	09 17 42.7
TUC	eP	09 18 20
Sept. 1		
BC	e(P)	13 37 42
COL	e(P)	13 37 54
OV	e(P)	13 37 36
	i	37 46.0
PF	eP	13 37 46
TUC	e(P)	13 37 40
Sept. 1		
COL	e(P)	14 48 32
Sept. 1		
COL	e(P)	16 15 32
Sept. 1		
PF	e(P)	18 12 50
Sept. 1		
COL	iP	23 56 17
HH	iP	23 58 20
Sept. 2, H = 02 47 22* 52½°N, 169W. Fox Islands, Aleutian Islands. h = about 100 km. Mag. 6½ - 6½.		
BER	e(S)	03 08 13
	eSS	13 04
	eL	22 34
BC	eP	02 55 03
	iPcS	03 00 47
	e(S)	01 22
BOZ	eP	02 54 34
	epP	54 46
	ePP	56 14
	eS	03 00 26
	eL	04 42
BUT	eP	02 54 29
	e(S)	03 00 09
	eL	03 16
CHI	eP	02 56 36
	eS	03 04 04
	eScS	06 18
	e(SS)	08 34
	eL	09 14
COL	eP	02 51 10
	e	51 26
	iS	54 20
	eL	55 34
HONO	eS	02 59 05
	eL	03 00 52
HH	iP	02 54 08
	iPcP	56 40
	eS	59 38
	iScP	03 00 09
LIN	e(P)	02 56 16
	e(S)	03 03 07
	eScS	05 52
	e(SS)	06 48
	eL	08 04
LOG	eP	02 54 50
	i	55 01
	e	57 29
	eS	03 00 40
	eL	04 06
OV	iP	02 55 03.1
	ePcP	57 02
PHIL	e(P)	02 57 42
	eS	03 06 04
	iS	06 05
	e	07 30
	eSS	10 27
	esSS	10 51
	eL	13 09
PF	iP	02 55 07.8
	ipP	55 29
	isPP	57 21.1
	iS	03 01 26.6
SLC	eP	02 54 48
	e(pP)	55 05
	e(PP)	56 45
	eS	03 00 49
	e(SS)	04 07
	eL	04 48
SJ	eP	02 59 44
	i(S)	03 10 05
	eL	28 39
SH	eP	02 54 02
	epP	54 19
	iPcS	03 00 14
SIT	eP	02 51 47
	i(pP)	52 16
	i	52 52
	eS	55 39
	iS	55 42
	iPcP	55 58
	eL	57 30
TUC	eP	02 55 44
	ipP	56 02
	ePP	57 34
	eS	03 02 30
	eScS	05 37
	eSS	06 04
	eL	07 35
UK	e(P)	02 53 58
	i(S)	59 54
	eL	03 01 56
WASH	iP	02 57 34
	eS	03 05 48
	eL	21 12
Sept. 2		
OV	iP	03 00 48
Sept. 2		
SH	iP	04 13 17
	eS	13 36
Sept. 2		
COL	iP	04 31 04
HH	iP	04 32 26
Sept. 2		
COL	e	05 41 07
Sept. 2		
COL	eP	09 57 44
	i	57 53
HH	iP	09 57 06
	i(pP)	57 21
OV	e(P)	09 56 50
	e	58 13
PF	eP	09 56 49
SH	iP	09 57 03
Sept. 2		
COL	e(P)	10 53 55
Sept. 2		
COL	i(P)	12 31 36
HH	iP	12 33 50
PF	e(P)	12 34 22
	e	36 20
	e	39 13
SH	iP	12 33 41
TUC	e(P)	12 34 43
Sept. 2, H = 13 18 38** Northeast of Balleny Islands, Antarctic Ocean.		
BUT	eL	14 14 29
COL	eP'	13 37 50
	e	39 11
	ePP	40 26
	e	41 26
	e(PPS)	51 58
	eSS	57 40
	eL	14 09 12
HH	iP'	13 37 46
	i	38 39
OV	ePP	13 38 37
PHIL	eL	14 28 15
PF	eP'	13 37 21
	e	46 58
SH	e(P)	13 33 20
SIT	eSS	13 57 02
	eL	14 14 06
TUC	eL	14 10 45
UK	eL	14 04 05

Date and Station	Phase	Phase (GCT) h m s
Sept. 2		
COL	iP	16 24 42
Sept. 2, H = 16 14 40* 30°N, 96½°E. Sikang province, China.		
BC	eP'	16 33 06
COL	iP	16 26 12
	iS	35 42
	iScS	36 23
	eSS	40 14
	eL	44 40
HH	eP	16 28 16
	ePP	32 04
	e(PKKP)	44 52
OV	ePP	16 33 31
	ePKKP	44 37
PHIL	ePS	16 43 22
	eL	17 08 07
PF	ePP	16 33 34
	ePKKP	44 36
SIT	eL	16 55 36
TUC	eP'	16 33 20
	ePP	34 05
Sept. 2		
COL	eP	17 29 07
HH	e(P)	17 31 11
Sept. 2		
COL	e(P)	19 40 45
HH	e(P)	19 42 33
PF	e(P)	19 43 43
TUC	e(P)	19 44 27
Sept. 2		
COL	e(P)	20 34 49
Sept. 2		
TUC	iP	21 53 55
Sept. 2		
PF	i(P)	23 16 10.8
Sept. 2, H = 23 59 39** Mid-Atlantic Ocean, about 1000 miles southwest of Cape Verde Islands.		
HH	eP	00 11 37
TUC	eP	00 11 22
Sept. 3, H = 00 33 50** Fiji Islands region. h = about 600 km.		
BC	e(P)	00 45 24
COL	eP	00 45 50
HH	e(P)	00 45 59
OV	iP	00 45 28.2
PF	iP	00 45 28.8
TUC	iP	00 45 31
Sept. 3		
HH	iP	01 32 44
TUC	e(P)	01 28 02
Sept. 3, H = 02 53 03* 29°N, 93½°E. Sikang province, China.		
COL	eP	03 06 45
HH	e(P)	03 08 49
Sept. 3, H = 04 05 15* 11°S, 162½°E. Solomon Islands.		
BC	eP	04 18 19
	e	18 28
	e	18 34
COL	iP	04 17 47
	iS	28 26
	eSS	34 08
	eL	45 04
HH	iP	04 18 34
	i	18 55
OV	iP	04 18 22.6
	iPP	22 10
PHIL	eL	05 08 13
PF	iP	04 18 23.1
	e	21 59
SIT	eL	04 44 20
TUC	eP	04 18 30
	eL	49 00
Sept. 3		
TUC	e(P)	06 13 03
Sept. 3		
HH	iP	07 56 18
Sept. 3		
COL	eP	09 06 21
	i(S)	07 00
	eL	07 45
SIT	eL	09 10 36
Sept. 3		
HH	e(P)	14 06 50
Sept 3, H = 19 18 55** Off coast of El Salvador.		
BC	eP	19 25 31
COL	e(P)	19 29 49
	iPcP	30 28
OV	iP	19 25 33.4
PHIL	eL	19 31 34
PF	iP	19 25 27.9
TUC	eP	19 24 47
	e(PP)	24 49
	eS	29 19
	eL	32 56
Sept. 3		
COL	e(P)	19 53 26
Sept. 3		
LOG	e(P)	22 39 06
Sept. 3, H = 23 30 43* 29°N, 95°E. Assam		
OV	e(P)	23 29 17
PF	e(P)	23 28 55
Sept. 3		
OV	iP	23 34 08.0
Sept. 3		
COL	iP	23 42 21
	ePP	45 11
HH	iP	23 44 23
	e	45 39
OV	e(P')	23 49 39
PF	e(P')	23 49 42
Sept. 4		
PF	eP	01 32 52
Sept. 4		
OV	iP	06 20 30.1
	iS	20 47
Sept. 4, H = 06 19 02* 29°N, 95½°E. Assam-China border		
BC	eP'	06 37 39
	e	37 57
	ePP	38 04
COL	iP	06 30 40
	ePP	33 28
HH	iP	06 32 43
OV	eP'	06 37 44
	iPP	38 01.3
PF	ePP	06 38 20
SH	e(P')	06 37 02
TUC	eP'	06 37 44
WASH	iP'	06 47 39
Sept. 4		
COL	e(P)	07 06 45
OV	e(P)	07 07 16
Sept. 4		
BC	ePP	07 46 53
HH	i(PP)	07 46 47
OV	iPP	07 46 54.1
PF	iPP	07 46 54.7
TUC	ePP	07 47 16
Sept. 4		
COL	e(P)	08 21 49
Sept. 4		
COL	iP	08 24 06
Sept. 4		
COL	e(P)	09 33 39
Sept. 4		
COL	e(P)	11 34 18
OV	eP	11 37 46
PF	iP	11 37 48.9
SH	e(P)	11 37 41
TUC	e(P)	11 38 14
Sept. 4, H = 12 17 17* 41°N, 34½°E. Northern Turkey.		
COL	iP	12 28 48
	ePP	31 34
HH	iP	12 29 55
PF	iP	12 30 47.9
TUC	eP	12 30 58
Sept. 4		
OV	iP	12 48 23.5
Sept. 4, H = 14 01 05** Near south coast of Hokkaido, Japan.		
COL	iP	14 09 19
OV	iP	14 12 50.5

Date and Station		Phase (GCT) h m s
PF	eP	14 12 53
SH	iP	14 12 05
Sept. 4		
COL	iP	18 18 39
HH	iP	18 20 41
Sept. 4		
OV	e(P)	19 59 44
PF	e(P)	19 57 42
Sept. 4		
COL	e(P)	21 40 51
HH	e(P)	21 40 21
OV	e(P)	21 41 21
PF	i(P)	21 41 21.6
TUC	e(P)	21 41 24
Sept. 4		
COL	iP	22 40 40
HH	e(P)	22 42 43
Sept. 4		
COL	e(P)	22 53 33
Sept. 5, H = 04 04 36** Central Italy fore-shock.		
HH	eP	04 16 31
SH	eP	04 16 22
Sept. 5, H = 04 09 00* 42°N, 13½°E. Central Italy. Many casualties and moderate property damage.		
COL	eP	04 20 26
	iP	20 27
HH	eP	04 21 02
PHIL	eL	04 41 31
PF	eP	04 21 54
SH	e(P)	04 23 20
TUC	eP	04 22 01
	eL	59 48
Sept. 5		
COL	eP	04 49 43
Sept. 5		
COL	e(P)	08 43 32
	eL	09 23 20

Date and Station		Phase (GCT) h m s
HH	eP	08 44 35
OV	e(P)	08 44 59
	i	48 20.3
PF	e(P)	08 45 01
TUC	e(P)	08 45 05
	e	45 22
Sept. 5		
COL	eP	09 10 22
	i(S)	11 00
	eL	11 55
Sept. 5		
HH	iP	09 53 37
Sept. 5		
OV	e(P)	10 45 33
Sept. 5		
COL	e(P)	15 33 10
Sept. 5		
OV	e(P)	16 46 29
PF	e(P)	16 46 29
Sept. 5, H = 19 19 56 By PAS, 33°39'N, 116°45'W. Northwest of Anza, Calif. Felt. Mag. 4.8.		
BC	iP	19 20 42
	i	20 47
	iS	21 19
	i	21 28
HH	eP	19 23 29
	i	23 33
	eL	28 02
OV	iP	19 20 50.1
	i(S)	21 30
PF	iP	19 20 48.5
	i(S)	21 40.8
SH	e(P)	19 22 18
	iL	24 14
TUC	eP	19 21 15
	iP	21 36
	i	21 44
	e(S)	22 21
	i S	22 38
	iL	22 50
Sept. 6		
COL	eP	04 22 48
	i(L)	24 25
HH	eP	04 25 58
TUC	e(P)	04 23 08

Date and Station		Phase (GCT) h m s
Sept. 6		
COL	e(P)	05 34 24
Sept. 6		
COL	eP	06 25 54
	i(L)	27 33
HH	eP	06 29 08
Sept. 6		
COL	e(P)	07 49 25
SH	eP	07 47 36
Sept. 6		
TUC	e(P)	14 13 21
Sept. 6		
TUC	e(P)	16 52 36
	e	52 56
	e	58 05
Sept. 6		
BC	iP	19 20 50
COL	e(P)	19 21 23
	e	23 02
LOG	e(P)	19 22 49
	e	24 34
OV	iP	19 20 52.5
PF	iP	19 20 52.8
SH	iP	19 20 39
TUC	iP	19 20 54
Sept. 6		
HH	e(P)	21 38 32
Sept. 7		
BC	e(P)	00 33 12
COL	iP	00 32 36
	e	32 56
HH	e(P)	00 33 18
	e	33 22
OV	i(P)	00 33 15.1
	i	33 34.9
SH	e(P)	00 33 09
Sept. 7		
TUC	e(P)	00 46 05
Sept. 7, H = 01 54 55** About 300 miles south of Fiji Islands.		
COL	iP	02 08 02
HH	eP	02 08 08
PF	iP	02 07 40.1

Date and Station		Phase (GCT) h m s
SH	iP	02 07 25
TUC	eP	02 07 42
Sept. 7		
COL	eP	05 21 02
Sept. 7		
OV	iP	10 29 44.4
PF	iP	10 29 40.3
TUC	e(P)	10 29 09
Sept. 7, H = 14 58 52** Kermadec Islands. h = about 100 km.		
COL	iP	15 09 07
	e(pP)	09 47
	e	12 30
OV	eP	15 08 34
	i(pP)	09 23.1
PF	iP	15 08 34.4
	epP	09 14
TUC	eP	15 08 35
	iP	08 36
	e	09 15
Sept. 7		
BC	iP	15 11 53
COL	eP	15 12 30
	eL	42 11
HH	eP	15 12 21
	e	12 30
	e	12 35
OV	i(P)	15 11 56.3
PF	i(P)	15 11 56.1
SH	eP	15 11 46
TUC	iP	15 11 54
	i	11 57
Sept. 7		
OV	e(P)	23 47 18
PF	iP	23 47 12.3
Sept. 8		
COL	e(P)	00 33 03
Sept. 8		
HH	e(P)	02 53 15
	eL	55 43
Sept. 8		
COL	e(P)	06 56 35

Date and Station	Phase	Phase (GCT) h m s
Sept. 8, H = 06 58 21* 22°S, 178°W. Fiji Islands region. h = about 500 km.		
BC	eP	07 09 59
	epP	11 47
COL	iP	07 10 27
	e(pP)	12 14
	e	13 36
	e(S)	20 27
HH	eP	07 10 28
	e	10 31
LOG	eP	07 10 22
	epP	12 10
OV	i(P)	07 10 02.3
	i	10 53
	epP	11 47
	epPP	14 54
PF	i(P)	07 10 02.9
	epP	11 48
SH	iP	07 09 49
TUC	iP	07 10 04
	epP	11 49
Sept. 8, H = 07 14 53** Near coast of Oaxaca, Mexico.		
BC	eP	07 20 39
COL	eP	07 25 10
HH	eP	07 22 00
OV	iP	07 20 41.3
PF	iP	07 20 34.9
TUC	eP	07 19 49
	iP	19 50
	eL	26 27
Sept. 8, H = 10 31 46 By PAS, 32°59'N, 115°45'W. East of El Centro, Calif. Mag. 3.6		
BC	eP	10 32 41
	eS	33 15
OV	eP	10 32 46
	iP	32 56.0
	eS	33 31
PF	iP	10 32 38.5
	iS	33 14
TUC	iP	10 32 47
	i	33 00
TUC	i	10 33 07
	e(S)	33 39
	iL	34 04
Sept. 8		
OV	e(P)	10 35 34
Sept. 8		
COL	e(P)	15 38 13
Sept. 8		
COL	iP	16 15 47
	e(S)	16 07
	iL	16 45
HH	iP	16 20 03
Sept. 8		
COL	e(P)	19 17 00
Sept. 8, H = 19 15 32 By BERK, 41.5°N, 117.3°W. East of Paradise Valley, Nev. Mag. 3.7.		
BC	e(P)	19 17 00
	eL	18 59
HH	eP	19 17 34
	iL	19 38
OV	i(P)	19 16 54.9
	iL	17 56.6
PF	e(P)	19 16 46.7
	i	17 04.2
	iL	18 09.7
TUC	e(P)	19 18 30
	eL	20 47
Sept. 8		
COL	e(P)	19 46 29
Sept. 8		
COL	e(P)	22 14 48
SH	i(P)	22 16 58
Sept. 9		
COL	eP	00 55 32
Sept. 9		
COL	eP	02 10 09
Sept. 9, H = 05 37 38** Northern Chile. Felt.		
BC	iP	05 49 26
COL	e	06 03 03
HH	iP	05 50 16
LOG	eP	05 49 42
OV	iP	05 49 28.8
	eL	06 10 37
PF	iP	05 49 25.0
SH	iP	05 50 05
	e	50 15
TUC	iP	05 48 57
Sept. 9		
BC	eP	07 09 58
OV	eP	07 09 57
	eS	10 09
PF	iP	07 10 04.4
	iS	10 22
Sept. 9		
COL	eP	09 23 32
Sept. 9, H = 10 21 40* 4°S, 153°E. New Britain region. Mag. 6¼.		
BER	eSS	11 02 15
	eL	19 13
BC	eP	10 35 01
	e	35 24
BOZ	e(P)	10 35 40
	eSKS	45 55
	e(S)	47 09
	e	51 09
	e(SS)	54 49
	eL	11 01 59
BUR	e(PS)	10 52 15
	e	58 05
	e	11 03 20
	eL	11 20
BUT	eSKS	10 45 49
	e	52 10
	eL	11 01 44
CHI	ePS	10 51 07
	eSS	57 04
	eL	11 10 05
COL	eP	10 33 57
	ePP	37 01
	e	38 45
	iS	44 07
	eSS	49 44
	eL	55 49
	eSKPP'	11 04 31
COLU	eL	11 14 18
HONO	e(P)	10 31 31
	e(PP)	33 29
	e(S)	39 16
	eL	44 16
HH	eP	10 34 55
LIN	e	10 53 04
	eL	11 13 40
LOG	e(P)	10 35 41
	e(PP)	39 42
	ePS	47 43
	e	51 30
	eL	11 07 21
OV	eP	10 35 04
PHIL	eSS	10 59 34
	eL	11 13 08
PF	eP	10 35 05
	e	35 32
SLC	e(SKS)	10 46 22
	eSS	53 10
	eL	11 05 30
SJ	eP'	10 41 08
	ePP	44 45
	e(SS)	11 04 18
	eL	20 00
SH	e(P)	10 34 35
	i	34 57
SIT	eP	10 34 10
	ePP	37 40
	eS	44 30
	iScS	44 56
	e	49 30
	eL	55 44
TUC	e(P)	10 35 28
	e	35 44
	ePP	39 20
	e	41 14
	e(S)	47 07
	e(PS)	48 24
	eL	11 02 18
UK	eP	10 37 41
	e	39 35
	e(S)	45 41
	eSS	51 05
	eL	58 07
WASH	eL	11 26 16
Sept. 9, H = 12 42 06** Tonga Islands.		
BC	eP	12 54 11
COL	eP	12 54 54
HH	eP	12 54 50
OV	eP	12 54 15
PF	iP	12 54 16.0
SH	iP	12 54 00
TUC	eP	12 54 17

Date and Station		Phase (GCT)
		h m s
Sept. 9, H = 14 27 44* 20°S, 170°E. New Hebrides Islands region.		
BC	e(P)	14 40 45
COL	eP	14 40 49
OV	eP	14 40 52
PF	iP	14 40 53.3
SH	eP	14 40 33
TUC	eP	14 40 56
Sept. 9		
OV	eP	18 51 17
	e(S)	51 48
Sept. 9		
COL	e(P)	19 50 46
Sept. 9		
COL	e(P)	20 19 21
Sept. 9		
OV	eP	21 06 03
	iP	06 13.6
	iS	06 45.2
PF	iP	21 06 00.4
	i	06 45.1
	iS	06 45.6
	i	06 46.6
	i	06 47.6
Sept. 9		
COL	e(P)	22 22 16
Sept. 9		
COL	eP	22 45 24
Sept. 9		
COL	eP	23 28 17
Sept. 10, H = 02 21 25* 35°N, 140°E. Near east coast of Honshu, Japan. Felt at Tokyo. h = about 60 km. Mag. 6-3/4.		
BC	iP	03 33 36
	i	33 48
BUR	eSKS	03 45 19
	ePS	47 14
	eL	04 04 14
BUT	eP	03 33 08
	eS	42 49
COL	eP	03 30 25
	e	32 04
	iS	37 40
	eSS	41 20
	eL	43 56
HONO	e(P)	03 31 28
	e	31 55
	eL	46 17
HH	iP	03 32 58
	iPP	35 37
	eS	42 25
LOG	iP	03 33 26
OV	iP	03 33 36.0
	e	35 57
PHIL	eSKS	03 45 27
	e(PS)	47 06
	eL	04 08 20
PF	iP	03 33 38.1
	ePP	36 34
	eS	43 46
SLC	eP	03 33 30
	eS	43 27
SH	iP	03 32 52
	e	33 03
	e(PP)	36 03
SIT	eP	03 31 20
	ePPP	34 50
	iS	39 18
	e(SS)	43 58
	eL	45 52
TUC	iP	03 34 01
	ePP	37 16
	eS	44 29
	eL	57 26
UK	e(S)	03 42 15
	eL	51 19
Sept. 10		
COL	eP	04 40 12
Sept. 10		
OV	e(P)	05 01 46
Sept. 10		
BC	e(P)	06 37 22
HH	e(P)	06 39 58
LOG	eP	06 37 08
OV	eP	06 37 21
	e	41 06
PF	e(P)	06 37 16
	i	37 22.6
SH	eP	06 37 06
TUC	e(P)	06 37 30
Sept. 10		
COL	eP	08 12 22
HH	eP	08 11 34
Sept. 10		
COL	eP	10 42 04
HH	e(P)	10 44 07
Sept. 10		
COL	e(P)	12 12 43
Sept. 10		
BC	e(P)	14 45 05
COL	e(P)	14 44 58
	e	45 04
OV	iP	14 45 09.9
PF	eP	14 45 11
SH	e(P)	14 45 00
TUC	e(P)	14 45 18
Sept. 10, H = 15 16 04* 15½°S, 168½°E. New Hebrides Islands. h = about 100 km. Mag. 7.1.		
BER	ePP	15 37 24
	iPKS	38 41
	e	48 21
	eSS	54 29
	eL	16 11 39
BC	eP	15 28 51
	i	28 59
	ePP	32 23
	eSKS	39 15
	eS	39 35
	ePKKP	46 25
	eP'P'	54 38
BOZ	eP	15 29 26
	ePP	33 22
	eS	40 27
	iS	40 51
	e	41 32
	esPS	42 34
BUR	eP	15 36 24
	eSKS	41 44
	e(SKKS)	43 04
	ePS	46 18
	eSS	52 44
	e	16 03 34
BUT	e(P)	15 29 29
	e(PP)	33 23
	eSKS	39 41
	iS	40 16
	e(PS)	41 11
	e	45 49
	eL	54 47
CHI	ePP	15 35 18
	eSKS	41 09
	eS	42 53
	eSP	44 41
	eSS	50 21
CHI	iSS	15 50 39
	eL	16 05 11
COL	eP	15 28 36
	i	28 44
	isP	29 19
	i	31 50
	e(PP)	32 28
	iS	38 53
	isS	39 37
	i(PS)	39 58
	eSS	44 40
	ePKKP	46 33
	e(SSS)	48 10
	eP'P'	54 22
	eSKPP'	58 07
COLU	ePP	15 35 32
	e(SKKS)	42 32
	ePS	45 40
	e(SS)	51 08
	eL	16 05 18
HONO	eP	15 24 51
	iP	24 56
	isP	25 23
	i	26 20
	esPP	27 21
	e	27 46
	eS	31 36
	esS	32 30
	e	34 43
	eL	36 33
HH	eP	15 29 14
	iP	29 18
	i	29 58
	i(PP)	32 30
	e(PPP)	35 00
	eSKS	39 38
	e(S)	39 58
	iPKKP	46 24
	iP'P'	54 35
	eSKPP'	58 01
LIN	eP	15 29 58
	ePP	34 22
	eSKS	40 28
	eS	41 48
	e(PS)	43 18
	e(SS)	48 24
	e(SSS)	53 08
LOG	eP	15 29 13
	iP	29 16
	iPP	32 58
	e	41 04
	eP'P'	54 36
OV	iP	15 28 54.3
	i	29 01.3
	iPP	32 23.5
	i	32 34.5
	eS	39 30
	iP'P'	54 48
PHIL	iPP	15 36 24
	eSKKS	42 42

Date and Station	Phase	Phase (GCT) h m s
PHIL	eS	15 43 52
	epS	44 21
	iPS	46 03
	e	50 13
	i(SSS)	57 41
	eL	16 06 33
PF	iP	15 28 55.2
	i	29 02.2
	iPP	32 35.7
	eS	39 21.2
	iPKKP	46 35
	eP'P'	54 11
	eSKPP'	57 48
	eL	16 03 04
SLC	eP	15 29 14
	ePP	33 01
	iS	40 07
	eSKS	39 38
	e	40 43
	eSS	46 27
	eL	58 43
SJ	eP'	15 35 08
	i	36 13
	ePP	37 14
	iPP	37 15
	iPKS	38 25
	e	39 20
	e(SKS)	41 54
	eSS	54 39
	e	58 00
	eL	16 08 12
SH	eP	15 28 31
	i	28 38
	ePP	31 50
	eS	33 47
	i(PKKP)	46 43
	eP'P'	54 37
	e(SKPP')	57 39
SIT	eP	15 28 38
	iP	28 39
	ePP	32 50
	iPP	32 52
	i	35 08
	iS	38 53
	iPS	40 00
	i	40 08
	eSS	44 54
	eL	51 38
TUC	eP	15 29 02
	i	29 08
	i	29 49
	ePP	32 36
	ipPP	33 01
	eS	39 56
	iS	39 57
	iPS	41 00
	e(sPS)	41 47
	eSS	46 05
	ePKKP	46 29
	eSSS	46 33
	eSSS	49 36
	eL	53 13
	eP'P'	54 28
UK	eP	15 28 31
	e(pP)	29 11
	e	31 17
	eS	38 43
	iS	38 45
	e(PS)	39 29
	eSS	44 19
	eL	51 13
WASH	iP'	15 34 51
	ePP	36 08
	e	38 10
	ePS	46 02
	e	48 17
	eL	16 17 10
Sept. 10		
TUC	e(P)	16 25 33
Sept. 10		
COL	e(P)	18 59 13
Sept. 10		
OV	e(P)	19 37 40
Sept. 10		
BH	iP	22 51 05
	iS	51 27
Sept. 11, H = 00 18 34** 29°N, 94°E. Assam-China border		
COL	eP	00 30 14
HH	eP	00 32 18
OV	ePP	00 37 34
PF	e(P')	00 37 32
	iPP	37 38.3
Sept. 11		
COL	e(P)	01 02 27
OV	e(P)	00 57 48
	e	01 03 40
PF	iP	00 57 23.6
	e	01 03 21
TUC	eP	00 56 32
	e(PP)	57 05
	e(S)	01 00 50
	iL	01 19
Sept. 11		
OV	e(P)	01 19 42
Sept. 11, H = 01 14 50** Samoa Islands.		
COL	eP	01 27 12
HH	eP	01 27 13
OV	iP	01 26 39.1
PF	iP	01 26 38.8
SH	eP	01 26 22
TUC	eP	01 26 41
Sept. 11		
COL	e(P)	01 42 17
	e	43 03
Sept. 11		
COL	e(P)	02 54 10
	i	55 28
	eL	02 55 36
Sept. 11		
COL	e(P)	04 10 08
	e	10 48
Sept. 11		
COL	e(P)	05 19 34
Sept. 11		
OV	iP	05 31 57.2
	iS	32 33
PF	eP	05 31 52
	i	32 01.8
	i	32 45.3
	i	32 47.0
Sept. 11, H = 09 39 50** Assam.		
BUT	eL	10 41 55
COL	eP	09 51 33
	e(S)	10 01 14
HH	eP	09 53 39
	ePP	57 34
OV	ePP	09 58 53
PF	ePP	09 58 58
SH	e(P')	09 57 53
TUC	e(P')	09 59 18
Sept. 11		
OV	iP	13 33 35
Sept. 11		
BC	e(P)	21 53 48
Sept. 12		
COL	e(P)	01 16 02
HH	iP	01 18 51
	i	18 54
PF	e(P)	01 19 47
SH	eP	01 18 40
TUC	e(P)	01 20 18
Sept. 12, H = 03 53 10** Near north coast of Luzon, Philippine Islands. Felt at Laoag.		
COL	eP	04 04 48
SH	e(P)	04 05 29
HH	iP	04 06 48
Sept. 12		
COL	e(P)	09 29 56
	eL	10 21 00
HH	iP	09 32 15
OV	e(P)	09 33 11
PF	e(P)	09 32 51
SH	eP	09 32 12
TUC	e(P)	09 33 12
Sept. 12		
BC	eP	11 19 32
CHI	eL	12 03 35
COL	eP	11 19 03
	e	19 09
OV	eP	11 19 32
PF	eP	11 19 34
RC	eL	12 03 00
TUC	eP	11 19 39
Sept. 12		
OV	eP	13 57 57
	e	58 31
Sept. 12		
OV	e(P)	17 37 36
PF	e(P')	17 37 31
Sept. 12		
COL	eP	20 43 25
Sept. 12		
COL	eP	20 51 34
Sept. 13		
COL	eP	00 14 59
	eL	40 30
OV	e(P)	00 22 20
SIT	eL	00 49 44
Sept. 13, H = 06 06 02** Hokkaido, Japan. Depth slightly greater than normal.		

Date and Station		Phase (GCT) h m s
BC	eP	06 17 42
	epP	17 55
COL	e(P)	06 14 42
	e	15 14
HH	eP	06 17 01
	ipP	17 14
OV	iP	06 17 41.2
PF	iP	06 17 43.5
SH	iP	06 16 57
	ipP	17 08
TUC	e(P)	06 18 07
Sept. 13		
COL	iP	08 33 50
Sept. 13		
COL	e(P)	09 03 47
Sept. 13, H = 11 07 41* 29°N, 94°E. Assam-China border. Felt.		
BER	eL	12 12 27
COL	eP	11 19 26
	e	20 16
	e	37 59
	eL	48 49
OV	ePP	11 26 51
PF	ePP	11 26 41
SIT	eL	11 53 40
TUC	eL	12 11 00
Sept. 13, H = 11 59 40* 76°N, 3°E. Off east coast of Greenland.		
BC	eP	12 10 00
	e	10 07
COL	eP	12 06 58
	e	07 41
HH	iP	12 08 31
OV	iP	12 09 55.7
PF	iP	12 09 58.3
SH	iP	12 09 36
	i	09 43
TUC	eP	12 10 19
	i	10 26
Sept. 13		
COL	e(P)	13 48 10
Sept. 13		
COL	e(P)	15 52 09
	e	52 17
Sept. 13		
COL	e(P)	19 15 36
Sept. 13, H = 20 43 10** New Hebrides Islands region.		
BC	eP	20 56 24
	e(PP)	21 00 55
COL	eP	20 56 05
OV	eP	20 56 27
	e(PP)	21 00 59
PF	eP	20 56 24
	e(PP)	21 00 59
SH	eP	20 56 01
	e(PP)	21 00 36
TUC	e(P)	20 56 42
Sept. 13		
COL	e(P)	21 00 43
	eL	29 59
HH	e(P)	21 01 16
TUC	e(P)	21 01 15
	eL	27 00
Sept. 13		
BC	e(P)	21 51 02
Sept. 13		
HH	iP	22 48 36
SH	i(P)	22 48 28
TUC	i(P)	22 47 19
Sept. 14		
COL	iP	02 07 33
	e(S)	08 26
	eL	08 56
Sept. 14		
COL	iP	02 43 14
	i	43 21
OV	e(P)	02 50 37
Sept. 14		
OV	iP	03 30 37.8
PF	iP	03 30 37.9
SH	i(P)	03 30 25
TUC	eP	03 30 39
	iP	30 40
Sept. 14		
PF	e(P)	07 13 03
TUC	eP	07 13 05
Sept. 14, H = 07 31 20** Andreanof Islands, Aleutian Islands. Felt on Adak and Great Sitkin.		
BC	eP	07 39 47
COL	eP	07 35 56
	iP	35 57
	e	36 54
	e(S)	39 49
	eL	39 53
HH	iP	07 38 52
	iPcP	40 56
LOG	eP	07 39 35
OV	iP	07 39 45.5
PF	iP	07 39 47.4
SH	iP	07 38 46
TUC	iP	07 40 23
Sept. 14		
COL	e(P)	07 47 21
Sept. 14, H = 07 52 27* 19°S, 63°W. Central Bolivia. h = about 600 km.		
BC	iP	08 03 04
	eS	11 47
COL	eP	08 05 36
	e(P')	09 47
HH	iP	08 03 44
	eS	13 01
LOG	eS	08 12 10
OV	iP	08 03 04.3
	eS	11 50
PF	iP	08 03 01.6
	eS	11 41
SJ	iP	07 58 55
	iS	08 03 56
	iL	07 58
SH	iP	08 03 43
	iS	13 02
TUC	iP	08 02 34
	iPcP	02 52
	e(ScS)	11 40
WASH	iP	08 01 36
Sept. 14, H = 09 05 57** Molucca Passage. h = about 200 km.		
BC	eP'	09 24 16
	e	24 30
COL	eP	09 18 27
	epP	19 24
	e	21 49
	epPP	22 39
	eS	29 07
	e(SS)	34 47
	eL	43 52
HONO	eP	09 17 32
	epP	18 19
	e(sP)	18 37
	e(S)	27 53
	eL	45 12
HH	eP	09 20 01
	eP'	23 59
	i	24 06
LOG	eP'	09 24 29
OV	eP'	09 24 15
	epP'	35 00
PF	eP'	09 24 16
	i	24 32.6
SJ	eP'	09 26 08
SH	eP	09 19 44
	iPP	24 15
	e	24 33
SIT	eS	09 29 48
	e(SS)	37 20
	eL	50 24
TUC	eP'	09 24 22
	i(PP)	25 55
	ePS	35 39
	eL	10 00 11
WASH	e(P')	09 25 12
	e(PP)	27 54
	i(PKS)	28 42
Sept. 14		
PF	e(P)	09 34 58
Sept. 14		
COL	e(P)	11 10 01
Sept. 14		
COL	e(P)	13 58 40
Sept. 14		
COL	e(P)	15 06 11
Sept. 14		
COL	e(P)	16 21 51

Date and Station	Phase (GCT)	h m s
Sept. 14		
COL	e(P)	18 22 17
HH	iP	18 24 35
SH	iP	18 24 17
Sept. 14		
HH	iP	19 49 09
SH	e(P)	19 49 02
Sept. 14		
COL	e(P)	20 38 38
Sept. 14, H = 21 45 00** Off south coast of Mozambique.		
BC	eP'	22 05 04
COL	eP'	22 04 30
HH	iP'	22 04 47
	i	04 57
PF	eP'	22 05 02
TUC	eP'	22 04 51
	iP'	04 57
	i	05 04
Sept. 15		
TUC	eP	04 15 31
Sept. 15		
COL	e(P)	05 47 40
	e	48 23
Sept. 15		
COL	e(P)	06 30 25
Sept. 15		
COL	e(P)	08 56 41
HH	eP	08 58 48
SH	eP	08 58 48
Sept. 15		
BH	iP	09 47 58
	iS	48 16
Sept. 15		
COL	e(P)	12 43 49
	e	44 15
	e	46 34
Sept. 15		
BC	e(P)	13 02 57
COL	eP	13 04 35
OV	eP	13 02 53
PF	e(P)	13 02 51
TUC	e(P)	13 02 32

Date and Station	Phase (GCT)	h m s
Sept. 15, H = 14 14 30* 23°S, 176°W. Tonga Islands. h = about 100 km.		
BC	eP	14 26 52
COL	iP	14 27 27
	e	30 41
	e(SKS)	37 50
	e(S)	38 23
HH	eP	14 27 22
LOG	eP	14 27 16
OV	iP	14 26 54.9
PF	iP	14 26 54.9
SH	iP	14 26 42
	ipP	26 59
TUC	iP	14 26 54
Sept. 15, H = 19 05 08* 16°S, 175°W. Tonga Islands region. h = about 250 km.		
BC	iP	19 16 38
	epP	17 39
COL	iP	19 17 11
	ipP	18 14
HH	iP	19 17 14
	eP'P'	43 34
LOG	eP	19 17 04
OV	iP	19 16 41.2
	epP	17 38
PF	iP	19 16 40.9
	ipP	17 42.2
SH	eP	19 16 24
	epP	17 25
TUC	iP	19 16 48
	epP	17 42
Sept. 15		
COL	e(P)	20 49 06
	e	49 35
SIT	i(P)	20 45 14
	i(S)	45 31
	e(L)	45 40
Sept. 15		
COL	e(P)	21 28 07
	i	28 28
HH	iP	21 33 51
Sept. 16		
OV	e(P)	21 55 37

Date and Station	Phase (GCT)	h m s
Sept. 16, H = 00 55 36* 4°S, 104-1/2°W. About 1000 miles west of Galapagos Islands. Mag. 6-1/2.		
BER	e(S)	01 12 34
	eScS	14 40
	eL	18 01
BC	eP	01 03 22
	eS	09 25
BOZ	eS	01 11 46
	eL	17 54
BUT	eP	01 04 41
	eS	12 05
	eL	19 43
COL	eP	01 07 22
	e	09 26
	eS	17 07
	eL	28 04
COLU	eS	01 10 22
	eL	17 30
HONO	e(S)	01 13 42
	eL	19 58
HH	eP	01 04 52
	iPP	07 02
LIN	eL	01 23 22
LOG	eP	01 04 03
	e(S)	11 10
	eL	20 46
OV	iP	01 03 25.9
	ePP	05 19
	eL	17 05
PHIL	e(P)	01 05 12
	eS	12 14
	eScS	14 26
	eSS	15 51
	eL	18 47
PF	iP	01 03 21.9
	eL	16 34
RC	eP	01 04 20
	eS	11 24
	e	13 30
	eL	15 26
SLC	e(P)	01 04 28
	eS	10 43
	eL	14 26
SJ	eP	01 03 45
	eS	10 23
	eL	15 33
SH	eP	01 04 08
	iP	04 11
	e	05 22

Date and Station	Phase (GCT)	h m s
SIT	eP	01 06 22
	e	07 28
	ePPP	10 28
	eS	15 12
	e	15 42
	eL	25 06
TUC	eP	01 02 45
	ePP	04 15
	e	05 39
	eS	08 39
	eSS	11 16
	eL	13 12
UK	e(S)	01 11 01
	eL	16 46
WASH	eP	01 04 32
	ePP	06 20
	eL	18 14
Sept. 16		
COL	e(P)	03 10 44
	e	13 14
	e	14 06
Sept. 16		
COL	eP	07 30 37
Sept. 16		
LOG	eP	09 26 14
OV	e(P)	09 26 27
PF	e(P)	09 26 17
	i	26 27.4
SH	iP	09 26 12
Sept. 16, H = 12 30 50** Kurile Islands.		
BC	eP	12 41 22
COL	iP	12 37 23
HH	iP	12 40 27
OV	iP	12 41 21.3
PF	iP	12 41 24.9
SH	iP	12 40 30
TUC	eP	12 41 53
Sept. 16, H = 12 39 13* 48°N, 156°E. Kurile Islands.		
BC	e(P)	12 49 51
COL	iP	12 46 00
	e	48 48
	eS	51 10
	eL	53 46
HH	iP	12 48 59

Date and Station		Phase (GCT)
		h m s
OV	iP	12 49 49.7
PF	iP	12 49 53.4
RC	e(P)	12 50 01
	eS	58 40
SH	iP	12 48 59
	i	49 16
SIT	e(S)	12 53 16
TUC	e(P)	12 50 23
Sept. 16, H = 12 48 39 32-1/2°N, 131°E. Kyushu, Japan. h = about 150 km. Felt at Fukuoka and Hiroshima.		
BC	eP	13 01 20
	ipP	01 51
COL	iP	12 59 17
	eS	13 06 05
HH	iP	13 00 42
	ipP	01 10
LOG	eP	13 01 12
	epP	01 41
OV	iP	13 01 15.1
	ipP	01 50.3
PF	iP	13 01 21.9
	ipP	01 52.9
SH	iP	13 00 40
	ipP	01 11
TUC	iP	13 01 43
	ipP	02 14
Sept. 16		
BC	iP	13 26 57
COL	eP	13 30 15
	e	30 55
TUC	eP	13 25 13
Sept. 16		
TUC	eP	14 10 53
Sept. 16		
OV	iP	21 47 41.8
	i(S)	48 28.1
PF	eP	21 47 34
	e(S)	48 20

Date and Station		Phase (GCT)
		h m s
Sept. 16, H = 21 58 15 52°N, 177°E. Rat Islands, Aleutian Islands. h = about 100 km. Mag. 6-1/2 - 6-3/4.		
BER	eS	22 20 16
	eL	31 06
BC	eP	22 06 59
	ipP	07 22
	iPcP	08 22
	iScP	12 05
	e(S)	14 02
	iScS	16 42
BUT	e	22 07 23
	e	11 53
	eL	16 09
COL	eP	22 03 03
	iP	03 05
	ipP	03 24
	i	03 58
	iS	06 58
	iScP	10 25
	iScS	14 10
HH	iP	22 06 05
	epP	06 25
	iPcP	07 57
	iScP	11 37
	eScS	15 50
LOG	iP	22 06 44
	iScP	11 58
OV	iP	22 06 59.2
PHIL	eS	22 18 08
	i(ScS)	19 05
	eL	28 54
PF	iP	22 07 03.5
	i	12 05
	eS	14 05
RC	eP	22 07 14
	e(PP)	09 08
	e(PPP)	10 12
	eScS	16 50
	eL	24 58
SJ	eP	22 11 14
	e(SKS)	21 54
SH	iP	22 06 00
	ipP	06 25
	iScP	11 33
	iScS	15 56
SIT	eP	22 03 56
	epP	04 18
	ePP	04 50
	e(S)	08 25
	iS	08 45
	i(sS)	09 28
	eL	12 10
	iScS	14 31

Date and Station		Phase (GCT)
		h m s
TUC	iP	22 07 37
	ipP	08 01
	e(pPP)	10 16
	eScP	12 26
	eS	15 09
	eScS	17 16
	eL	24 07
WASH	e	22 09 13
	epP	09 37
Sept. 16		
OV	iP	22 12 05.7
Sept. 17		
PF	e(P)	07 42 15
Sept. 17		
COL	iP	16 07 22
Sept. 17		
COL	eP	16 11 46
HH	eP	16 09 25
Sept. 17		
COL	eP	16 29 49
Sept. 17		
COL	e	16 50 26
	e	50 41
Sept. 17		
COL	e(P)	18 37 29
Sept. 17, H = 19 43 30 By PAS, 32°10'N, 116°25'W. Lower Calif. Felt from San Diego, Calif., to Jacumba, Mexico. Mag. 4.5.		
BC	eP	19 44 34
	e(S)	45 15
	eL	45 34
OV	iP	19 44 42.4
	e(S)	46 01
PF	iP	19 44 39.3
	i	45 09.1
	i	45 26.4
	iS	45 52.4
	iL	45 48.4
TUC	iP	19 44 42
	i	44 50
	e	45 07
	e(S)	45 27
	eS	45 41
	eL	45 52
Sept. 17		
COL	eP	21 09 45
Sept. 17		
COL	iP	21 44 44

Date and Station		Phase (GCT)
		h m s
HH	e(P)	21 46 48
Sept. 18		
BER	eL	00 41 04
COL	eP	00 25 37
	e	31 04
	e	35 12
	eL	40 50
Sept. 18		
COL	e(P)	04 36 16
Sept. 18		
BC	e(P)	06 50 10
	e	50 22
	e	50 42
OV	e(P)	06 50 40
PF	eP	06 47 56
	eL	50 13
TUC	eP	06 47 01
	iP	47 16
	e(S)	47 51
	i(S)	48 10
	i	48 26
	eL	48 40
Sept. 18		
OV	e(P)	07 23 55
Sept. 18		
COL	eP	11 20 40
	e	21 08
OV	eP	11 22 25
Sept. 18		
OV	eP	14 44 13
PF	e(P)	14 44 26
Sept. 18		
COL	e(P)	15 21 47
HH	eP	15 19 16
OV	eP	15 18 55
SJ	iP	15 11 35
	iS	12 14
	eL	12 32
Sept. 18		
COL	eP	17 37 38
	e	37 43
OV	e(P)	17 37 06
PF	e(P)	17 37 05
Sept. 18		
SJ	eP	18 11 24
	eS	11 46
	eL	11 56

Date and Station	Phase	Phase (GCT) h m s
Sept. 18		
COL	e(P)	19 18 19
Sept. 18, H = 19 36 43* 8°S, 71°W. Western Brazil. h about 650 km. Mag. about 6.		
BER	eS	19 49 14
BC	eP	19 45 56
	e(sP)	49 08
COL	iP	19 48 47
	ipP	51 02
	e(PP)	52 32
	e(SKS)	58 18
	e(S)	58 50
HH	iP	19 46 44
	i	49 12
	i(S)	54 54
LIN	e	19 57 21
	eL	20 05 25
OV	iP	19 45 57.1
	i	46 12.8
	i(pP)	48 15
	e(P'P')	20 15 10
PF	iP	19 45 53.5
	ipP	47 55
	eS	53 18
RC	iP	19 45 54
	iS	53 18
SJ	iP	19 41 40
	iS	45 31
	iPcS	48 23
	iScS	51 20
	eL	55 29
SH	eP	19 46 43
	epP	48 48
	eS	54 52
TUC	iP	19 45 22
	ePcP	46 12
	ipP	47 24
	e(PP)	47 39
	eS	52 22
WASH	iP	19 44 24
	iPcP	45 40
Sept. 18		
HH	iP	20 14 55
SH	e(P)	20 14 02
	e	14 46
Sept. 18		
COL	eP	21 05 03
	e(S)	06 33
	e(L)	06 58
HH	iP	21 09 45
OV	e(P)	21 11 09
SH	eP	21 10 13
Sept. 19		
TUC	eP	01 20 14
	e(S)	20 37
	i	20 54
	iL	21 01
Sept. 19, H = 02 34 58** About 300 miles south of Fiji Islands.		
BC	eP	02 47 39
COL	eP	02 50 06
OV	iP	02 47 42.6
PF	iP	02 47 42.6
SH	eP	02 47 29
TUC	eP	02 47 44
	e	49 42
Sept. 19		
COL	eP	03 27 35
Sept. 19		
SH	e(P')	05 47 20
Sept. 19		
OV	e(P)	13 33 53
PF	e(P)	13 33 54
TUC	iP	13 33 55
Sept. 19		
OV	eP	14 04 48
	i(S)	05 35
Sept. 19, H = 20 29 48* 2°S, 138-1/2°E. Near north coast of New Guinea. Mag. 6.9.		
BER	eP'	20 49 36
	e	21 00 02
	eSKSP	03 02
	eSS	11 06
	eL	27 10
BC	eP	20 43 56
	e(PP)	48 10
BOZ	eSKS	20 54 43
	eS	55 58
	ePS	57 41
	e(SSS)	21 08 06
	eL	12 50
BUT	e(S)	20 55 40
	e(SS)	21 02 29
	eL	12 21
CHI	e	20 58 15
	eSS	21 06 43
	eL	19 39
COL	eP	20 42 24
	e	45 40
	ePP	46 10
	iS	52 50
	e(SS)	57 50
	eL	21 04 54
COLU	e(PP)	20 52 33
	eSS	21 08 36
	eL	23 50
HONO	eP	20 40 39
	i	40 48
	i(S)	49 32
	eSS	53 49
	eL	57 42
HH	iP	20 43 53
	eP'	47 41
OV	eP	20 43 58
	i	44 08.1
	ePP	48 15
	eL	21 25 32
PHIL	e(PP)	20 52 19
	i	52 35
	i	52 50
	e(PPS)	21 04 03
	eSS	08 43
	i	11 08
	eL	23 35
PF	eP	20 44 01
	ePP	48 30
	eSKS	54 46
	eL	21 26 05
RC	e(PP)	20 49 28
	ePS	58 37
	e(SS)	21 03 38
	eL	16 25
SLC	eL	21 13 00
SJ	eP'	20 49 42
	i	50 07
	e(SKS)	57 19
	eSKKS	21 00 10
	eSS	12 40
	eL	39 08
SH	iP	20 43 28
	e	43 36
	ePP	47 40
	ePPP	49 38
	eSKS	54 05
	e(S)	55 10
SIT	eP	20 42 42
	eS	53 34
	iS	53 40
	i	54 12
	iPS	54 22
	eL	21 06 10
TUC	e(P)	20 44 12
	eP'	48 08
	iPP	48 42
	eSKKS	55 48
	ePS	58 05
	ePPS	59 17
	eSS	21 03 53
	eL	14 37
UK	ePP	20 47 35
	eSKS	54 05
	e(S)	55 01
	eSS	21 01 23
	eL	09 51
WASH	iP'	20 49 12
	ePP	51 40
Sept. 19		
COL	e(P)	21 30 27
Sept. 19		
COL	eP	23 46 54
HH	eP	23 48 56
Sept. 19		
BC	eP	00 47 12
COL	iP	00 46 13
HH	iP	00 47 20
OV	iP	00 47 15.0
PF	iP	00 47 16.7
SH	eP	00 46 46
TUC	e(P)	00 47 28
Sept. 20, H = 00 34 46* 4°S, 154°E. New Britain region. h = about 500 km.		
BC	eP	00 49 05
COL	eP	00 47 59
	i	48 03
HH	iP	00 49 09
OV	iP	00 48 34
PF	iP	00 49 08.5
	i	49 11.7
SH	eP	00 48 39
TUC	eP	00 49 17
	e	49 20
Sept. 20, H = 03 04 16* 17°N, 93°W. Chiapas, Mexico. h = about 100 km.		

Date and Station		Phase (GCT) h m s
BC	iP	03 09 54
	i	10 31
	eScP	16 35
	eL	25 53
COL	iP	03 14 16
	ePP	16 30
HH	iP	03 11 09
OV	iP	03 09 55.7
	eScP	16 37.3
PF	iP	03 09 50.7
	eScS	20 27
SJ	e(P)	03 09 55
	ePP	10 30
	iPP	10 32
	e(S)	14 55
	eL	16 20
SH	iP	03 10 58
	i	14 14
TUC	iP	03 09 09
	e(pP)	09 33
	e(S)	13 08
	e	13 33
	eScP	16 31
	eL	16 36
WASH	e(P)	03 10 26
Sept. 20		
HH	eP	03 22 12
OV	eP	03 22 29
PF	e(P)	03 22 29
SJ	e(P)	03 20 21
	i	20 23
TUC	e(P)	03 26 07
Sept. 20		
COL	e(P)	11 33 03
OV	e(P)	11 39 48
Sept. 20		
BC	i(P)	12 41 55
COL	e(P)	12 37 33
	e	37 43
	e	41 40
	e	42 41
	eL	51 56
HH	iP	12 40 51
OV	e(P)	12 41 44
PF	e(P)	12 41 43
SH	iP	12 40 33
TUC	eP	12 42 21

Date and Station		Phase (GCT) h m s
Sept. 20		
OV	e(P)	13 22 55
PF	i(P)	13 23 02.4
TUC	e(P)	13 24 04
Sept. 20		
BC	iP'	14 09 03
COL	eP'	14 09 58
	iP'	10 08
	i	10 19
HH	iP'	14 09 19
	i	12 34
OV	iP'	14 09 03.5
PF	iP'	14 09 02.7
SH	iP'	14 09 16
	i	09 23
	i	09 31
TUC	iP'	14 08 53
Sept. 20		
COL	eP	16 02 09
Sept. 20		
COL	eP	22 46 18
Sept. 21		
COL	i(P)	00 01 09
Sept. 21		
COL	e	01 01 03
	e	01 09
Sept. 21		
PF	e(P)	01 38 48
Sept. 21		
COL	i(P)	01 39 42
	iS	40 53
HH	e(P)	01 43 11
OV	iP	01 45 47.6
PF	eP	01 45 52
Sept. 21		
BH	iP	15 10 30
	iS	11 12
Sept. 21		
COL	iP	05 13 54
	i	13 57
Sept. 21		
BC	e(P)	16 16 07
COL	e(P)	16 10 40
	e	12 07
OV	iP	16 16 07.2

Date and Station		Phase (GCT) h m s
PF	e(P)	16 16 08
Sept. 21, H = 22 02 13 By BERK, 39.4°N, 118.0°W. East of Fallon, Nev. Mag. 3.7.		
BC	eP	22 03 10
	iP	03 19
	eS	04 07
HH	e(S)	22 06 29
	eL	07 12
LOG	eP	22 03 42
OV	iP	22 03 06.0
	i	03 14.8
	eS	04 02
PF	iP	22 03 12.1
	i	04 00.1
	iS	04 17.6
SLC	eL	22 04 36
TUC	eP	22 04 31
	e	05 30
	eL	06 50
Sept. 21		
COL	e(P)	22 50 27
OV	iP	22 46 14.8
	e(S)	46 58
PF	iP	22 46 03.8
	iL	46 58.4
Sept. 21, H = 22 51 01* 9-1/2°S, 66°E. Indian Ocean. Mag. 5-3/4		
BER	ePKS	23 13 41
	eL	59 13
BC	eP'	23 10 54
	ePP	14 52
COL	e(P')	23 09 39
	eP'	09 50
	ePP	11 15
	e(PS)	22 02
	eSS	28 00
	eL	47 40
LOG	iP	23 10 46
	i	11 09
OV	eP'	23 10 54
	ePP	15 01
PHIL	ePKS	23 13 47
	eSKKS	19 41
	eL	57 14
PF	eP'	23 10 54
	ePP	14 50

Date and Station		Phase (GCT) h m s
SLC	eP'	23 10 46
SJ	eP'	23 10 22
	e(PP)	13 42
	e(SKSP)	22 42
	eL	00 05 23
SH	eP'	23 10 44
	iP'	10 48
TUC	eP'	23 10 59
	ePP	15 08
	eSKSP	25 11
	eL	00 17 03
WASH	eP'	23 10 24
	ePP	13 10
	eL	44 24
Sept. 22		
BC	eP	00 03 12
	eS	04 04
OV	iP	00 02 59.4
	i	03 07.8
	iS	03 55.4
PF	iP	00 03 05.1
	i	03 53.3
	i	04 10.6
	i	04 13.1
Sept. 22		
OV	eP	00 09 00
	i(S)	09 48.0
Sept. 22		
OV	iP	01 29 24.2
	i(S)	30 11.0
PF	iP	01 29 21.1
	e(S)	29 57
	i	30 08.8
Sept. 22, H = 01 36 36* 47-1/2°N, 153°E. Kurile Islands. h = about 150 km.		
BC	eP	01 47 12
COL	iP	01 43 22
	ipP	44 11
HH	iP	01 46 21
OV	iP	01 47 11.0
PF	iP	01 47 14.4
	eS	55 54
TUC	iP	01 47 42
	epP	48 28
Sept. 22		
BC	eP	03 52 11
COL	e(P)	03 52 11

Date and Station		Phase (GCT)
		h m s
HH	eP	03 51 44
	e	54 41
OV	iP	03 52 09.8
	i	55 55.9
PF	iP	03 52 10.4
	e	55 50
	i	55 56.6
SH	iP	03 51 56
TUC	e(P)	03 52 09
Sept. 22		
BC	eP	04 16 15
COL	e(P)	04 14 54
OV	eP	04 16 16
PHIL	eL	04 51 14
PF	iP	04 16 17.4
SH	iP	04 15 59
TUC	eP	04 16 21
Sept. 22, H = 07 52 07* 25°S, 114°W. Easter Island region. Mag. 6-3/4.		
BER	i(P)	08 03 50
	ePP	06 34
	e(S)	13 27
	iScS	14 00
	eSSS	21 40
	eL	26 34
BC	eP	08 02 24
	eS	10 52
BOZ	eP	08 03 23
	eS	12 41
	eSS	17 27
	eL	23 13
BUR	iP	08 04 12
	e(PP)	07 01
	ePPP	09 09
	iS	14 16
	eL	24 36
BUT	iP	08 03 27
	e(PP)	06 29
	eS	12 37
	eSS	17 35
	eL	25 45
CHI	eP	08 03 25
	iS	12 44
	eSS	17 10
	eL	24 16
COL	eP	08 05 24
	iSKS	16 00
	eL	34 40

Date and Station		Phase (GCT)
		h m s
HONO	eP	08 02 39
	eL	21 17
HH	eP	08 03 39
	ePP	06 30
	e(S)	13 18
	eScS	13 53
LOG	eP	08 03 01
	ePcP	03 33
	e(S)	12 00
	e	15 38
	eL	20 46
OV	iP	08 02 26.7
	i	03 27
	eL	24 31
	eP'P'	31 50
PHIL	eP	08 03 41
	e(PP)	07 10
	i	13 17
	iSS	18 12
	eSSS	21 16
	eL	24 01
PF	iP	08 02 24.1
	e(S)	10 53.1
	eL	23 35
	eP'P'	31 47
SLC	eP	08 02 56
	e(PP)	05 46
	eS	11 44
	eSS	15 48
	eL	19 36
SJ	eP	08 02 35
	e(PP)	05 25
	ePPP	06 32
	eS	11 10
	eSS	15 30
	eL	18 24
SH	iP	08 02 57
	ePP	05 45
	eS	11 42
	eP'P'	31 21
SIT	eL	08 34 22
TUC	eP	08 01 57
	iP	01 59
	e(PP)	04 35
	ePPP	05 17
	eS	10 00
	eL	16 15
UK	eScS	08 12 46
	eL	19 52
WASH	eP	08 03 35
	ePP	06 20
	ePPP	08 08
	eS	13 06
	eL	23 24

Date and Station		Phase (GCT)
		h m s
Sept. 22, H = 08 05 35** Kurile Islands region.		
COL	eP	08 13 08
HH	iP	08 16 00
PF	iP	08 16 49.9
SH	iP	08 15 59
TUC	eP	08 17 16
Sept. 22		
PF	e(P)	12 38 23
SH	eP	12 38 06
Sept. 22		
COL	iP	13 00 48
	i	00 56
Sept. 22		
HH	iP	15 20 11
OV	iP	15 18 58.6
PF	iP	15 18 55.6
SH	iP	15 19 27
	i(pP)	19 54
Sept. 22		
BC	e(P)	18 24 09
HH	iP	18 24 58
OV	iP	18 24 10.9
PF	iP	18 24 07.1
SH	i(P)	18 24 49
TUC	e(P)	18 23 38
	e	24 10
Sept. 22		
OV	iP	18 35 17.4
	i(S)	36 06.3
Sept. 22		
OV	e(P)	20 44 31
PF	e(P)	20 44 31
Sept. 22		
BC	e(P)	23 23 10
OV	eP	23 23 11
PF	iP	23 23 08.4
Sept. 22, H = 23 53 29* 18°S, 177°W. Fiji Islands region. h = about 450 km. Mag. 7.		

Date and Station		Phase (GCT)
		h m s
BER	ePP	00 13 01
	iSKS	18 00
	e	19 25
	i	20 21
	ePS	2[illegible] 24
	iSS	28 47
	esSS	31 18
	e	35 09
	eL	49 19
BC	iP	00 04 55
	iPcP	05 02
	i	06 29
	e(S)	14 26
	iP'P'	31 51
BOZ	eP	00 05 34
	iS	15 30
	i(SP)	16 20
	e(sS)	18 26
	eSS	21 26
	e(SSS)	23 48
	esSS	24 05
	e	28 16
BUT	eP	00 05 31
	eS	15 22
	i	15 32
	e(sS)	18 16
	iSS	21 19
	e	27 56
CHI	eSKS	00 16 37
	i(sS)	17 46
	ePS	20 07
	iSS	24 21
	eL	29 57
COL	eP	00 05 21
	iP	05 22
	ipP	07 18
	e	08 30
	e	09 37
	eSKS	15 05
	e(PS)	15 54
	iS	15 17
	i(sS)	18 00
	e(SS)	20 40
	e(SSS)	24 28
COLU	eSKS	00 16 54
	e(SKKS)	17 27
	e(S)	18 22
	e	21 08
	eSS	25 40
HONO	eP	00 00 53
	ePcP	01 36
	eS	06 51
	iS	06 52
	eSS	10 16
	eL	12 18
HH	iP	00 05 29
	e	10 22
	eSKS	15 17
	e(S)	16 06

Date and Station		Phase (GCT)
		h m s
HH	iPKKP	00 23 22
	iP'P'	31 29
LOG	eP	00 05 20
	iP	05 27
	epP	06 54
	ePP	08 42
	eS	15 11
	iS	15 12
	esS	13 00
	eL	28 08
OV	iP	00 04 58.3
	ipP	06 26
	i(PP)	07 48
	eS	14 37
	eP'P'	31 39
PHIL	ePP	00 11 54
	ePPP	14 35
	iSKS	17 17
	i	18 25
	i(S)	19 05
	e	21 01
	e(PS)	21 23
	ePPS	23 09
	i(sPS)	24 27
	eSS	26 29
	esSS	29 17
	iSSS	30 58
	eL	40 20
PF	iP	00 04 59.1
	i	06 09.6
	ipP	06 34.1
	esP	07 40
	e(S)	14 33
	eP'P'	31 51
SLC	eP	00 05 21
	iP	05 24
	epP	06 52
	esP	07 54
	iS	15 10
	iSP	16 10
	esS	17 56
	eSS	20 40
	eL	28 10
SJ	ePP	00 12 27
	e(pPP)	15 00
	iSKS	17 40
	iSKKS	18 47
	e	27 00
	eSSS	32 23
	eL	42 52
SH	iP	00 04 42
	iPcP	04 49
	ipP	06 15
	eS	13 56
	e(ScS)	14 19
	eP'P'	31 48
SIT	i	00 07 32
	iPP	08 28
	iS	14 48
	isS	17 38
	iL	28 00

Date and Station		Phase (GCT)
		h m s
TUC	iP	00 05 02
	i(PcP)	05 17
	ipP	06 31
	ePP	08 13
	iS	14 41
	e(sS)	17 26
	e	18 10
	e(PKKP)	23 42
	eP'P'	31 48
	eSKPP'	34 37
	eL	26 54
UK	e(P)	00 04 42
	e(pP)	06 08
	iS	13 25
	iSP	14 14
	esS	16 25
	eL	32 32
WASH	ePP	00 11 49
	e(pPP)	13 12
	epS	21 03
	eL	52 14
Sept. 23		
PF	iP	01 02 08.3
	i	02 09.0
	i	02 25.6
	iS	02 27.1
	i	02 27.4
Sept. 23, H = 06 23 40* 35°N, 25-1/2°E. Southeastern Crete. 4 injured and 400 buildings damaged.		
COL	eP	06 35 53
HH	iP	06 36 41
	i	36 55
OV	e(P)	06 37 39
	i(PP)	41 17.1
	i	41 59.2
PF	eP	06 37 30
	ePP	41 32
SJ	e(P)	06 36 01
SH	e(P)	06 37 11
TUC	eP	06 37 32
	ePP	41 44
Sept. 23		
COL	iP	06 40 29
	epP	41 43
Sept. 23		
COL	iP	08 48 17
Sept. 23		
HH	iP	09 28 37
Sept. 23		
COL	e(P)	09 50 10

Date and Station		Phase (GCT)
		h m s
HH	iP	09 52 16
OV	eP	09 52 47
PF	iP	09 52 45.4
SH	eP	09 52 01
TUC	e(P)	09 53 10
Sept. 23		
COL	e(P)	10 26 50
HH	eP	10 24 23
TUC	eP	10 22 45
Sept. 23		
COL	eP	10 57 18
Sept. 23		
COL	eP	11 52 25
Sept. 23		
COL	eP	12 23 53
Sept. 23		
BC	eP	12 37 09
	e(S)	38 00
OV	eP	12 36 51
	i	37 05.1
	i(S)	37 52.4
PF	eP	12 37 02
	e(S)	37 54
Sept. 23		
COL	eP	12 43 23
	i	43 51
	i(S)	44 33
	i	45 01
	eL	45 33
OV	iP	12 43 01
	i	44 42
Sept. 23		
OV	iP	12 49 30.5
PF	i(P)	12 49 34.6
Sept. 23		
OV	eP	15 05 17
	e(S)	06 24
Sept. 23		
COL	eP	16 35 32
Sept. 23		
COL	e(P)	16 58 30
Sept. 23		
COL	eP	17 22 31
	e(pP)	23 19
PF	e(P)	17 18 28
TUC	e(P)	17 17 15
	e	17 42

Date and Station		Phase (GCT)
		h m s
Sept. 23, H = 17 26 15** South of Fox Islands, Aleutian Islands.		
BC	eP	17 33 54
COL	eP	17 30 03
OV	iP	17 33 52.9
PF	iP	17 33 57.1
SH	iP	17 32 47
TUC	eP	17 34 34
	i	34 44
Sept. 23, H = 18 38 40* 9-1/2°N, 126-1/2°E. Near north coast of Mindanao, Philippine Islands. Felt at Surigao and Hinatuan.		
COL	e(P)	18 50 50
HH	eP	18 52 37
	e	56 26
OV	iPP	18 57 25.4
PF	eP	18 53 05
	eP'	56 45
SJ	eP'	18 58 33
SH	e(P)	18 52 14
TUC	ePP	18 57 56
Sept. 23		
COL	eP	18 58 11
Sept. 23		
COL	eP	20 16 42
Sept. 23, H = 20 21 55** Fiji Islands region.		
BC	eP	20 34 15
COL	iP	20 34 47
HH	iP	20 34 50
OV	iP	20 34 18.9
PF	iP	20 34 18.4
SH	iP	20 34 03
TUC	iP	20 34 20
	i	34 34
Sept. 24		
OV	eP	02 58 02
PF	eP	02 58 04

Date and Station	Phase	Phase (GCT) h m s
Sept. 24		
OV	iP	04 57 57.8
	i(S)	58 46.5
Sept. 24, H = 07 27 18 By BERK, 40°15'N, 124°24'W. Off Cape Mendocino, Calif. Mag. 3.8.		
HH	iP	07 29 58
OV	eP	07 29 35
SH	iP	07 27 46
	iS	28 08
	eL	28 14
TUC	eP	07 30 38
Sept. 24		
COL	iP	08 29 44
OV	e(P)	08 38 14
Sept. 24		
HH	iP	16 19 08
Sept. 24		
PF	e(P)	20 31 41
Sept. 24		
OV	eP	21 53 22
PF	e(P)	21 52 39
Sept. 24, H = 22 13 28* 64°N, 146°W. East central Alaska. Felt at College.		
BC	eP	22 20 13
	ePcP	22 48
BOZ	eL	22 27 26
COL	iP	22 13 48
HH	iP	22 18 38
	i	18 58
	i(PP)	19 27
	eS	22 57
	eL	25 51
LIN	e(S)	22 26 57
	eL	33 01
OV	eP	22 20 08
	iP	20 09.9
	e(S)	26 31.9
PF	eP	22 20 13
SH	eP	22 19 10
TUC	eP	22 20 52
	iP	20 55

Date and Station	Phase	Phase (GCT) h m s
Sept. 24		
OV	iP	22 53 57.8
	i(S)	54 46.1
Sept. 24, H = 22 56 39* 34-1/2°N, 60°E. Northeastern Iran.		
COL	eP	23 08 42
	ePP	11 47
HH	eP	23 10 15
	iPP	14 15
	i	20 23
OV	eP'	23 15 09
	iPP	15 33.7
PF	e	23 12 43.5
SH	i	23 20 23
TUC	ePP	23 16 13
Sept. 25		
COL	eP	01 44 55
Sept. 25		
COL	eP	02 11 24
OV	e(P)	02 17 53
TUC	e(P)	02 18 31
Sept. 25, H = 02 49 57** Off east coast of Mindanao, Philippine Islands. Felt at Surigao and Hinatuan.		
COL	eP	03 02 04
HH	eP	03 03 49
PF	eP	03 04 14
SH	eP	03 03 40
TUC	e(P')	03 09 02
	ePP	09 12
Sept. 25		
OV	eP	03 08 38
PF	e(P)	03 08 38
Sept. 25		
COL	eP	08 34 56
Sept. 25		
COL	e(P)	12 05 46
Sept. 25		
PF	eP	12 22 46
Sept. 25		
COL	iP	12 37 31

Date and Station	Phase	Phase (GCT) h m s
Sept. 25		
OV	iP	15 57 45.9
	iS	58 28.1
PF	iP	15 57 37.5
	i	58 25.5
	i	58 44.0
Sept. 25		
COL	iP	17 09 53
Sept. 25, H = 18 09 27* 32-1/2°S, 71°W. Central Chile. Felt.		
BC	eP	18 21 36
HH	iP	18 22 24
OV	iP	18 21 38.3
PF	iP	18 21 34.4
SH	iP	18 22 13
TUC	iP	18 21 07
Sept. 25		
COL	eP	23 09 38
Sept. 25		
COL	eP	23 14 07
Sept. 25, H = 23 15 58* 9-1/2°N, 126°E. Off east coast of Mindanao, Philippine Islands. Felt at Surigao and Hinatuan.		
COL	eP	23 28 07
	eS	38 10
	eL	49 27
HH	iP	23 29 56
OV	eP	23 30 21
PHIL	eL	00 12 (19)
PF	eP	23 30 22
SJ	eP'	23 35 51
SH	iP	23 29 44
	i	33 02
SIT	e(S)	23 29 17
	eL	52 06
TUC	e(P')	23 34 22
	e(PP)	35 12
Sept. 25		
OV	e(P)	23 34 48
Sept. 26		
COL	eP	00 47 03
	e(pP)	47 47

Date and Station	Phase	Phase (GCT) h m s
PF	iP	00 46 43
TUC	eP	00 46 46
Sept. 26		
COL	e(P)	02 03 10
Sept. 26		
COL	e(P)	06 33 25
Sept. 26, H = 06 45 48** Southeastern Peru.		
COL	eP	06 59 29
HH	iP	06 57 25
OV	iP	06 56 35
PF	iP	06 56 30.5
SH	eP	06 57 19
TUC	eP	06 56 00
Sept. 26		
COL	iP	07 10 27
	e	12 14
	e	13 36
	e(S)	20 27
Sept. 26		
HH	eP	12 04 47
Sept. 26		
COL	eP	12 58 45
HH	eP	12 58 00
Sept. 26		
COL	iP	14 54 54
Sept. 26		
OV	iP	16 15 00.5
	i(S)	15 48.5
PF	iP	16 14 56.9
	i	15 45.2
	iL	16 01.7
Sept. 26		
COL	e(P)	17 22 19
HH	eP	17 24 05
PF	e(P)	17 24 24
Sept. 26		
HH	iP	19 19 19
SH	eP	19 19 18
Sept. 26		
COL	e(P)	20 02 05
HONO	e(P)	20 01 15
PF	e(P)	20 08 36

Date and Station		Phase (GCT)
		h m s
Sept. 26		
OV	e(P)	22 54 11
PF	e(P)	22 54 12
SH	eP	22 53 24
	i(pP)	53 32
Sept. 27		
PF	i(P)	00 48 38.2
TUC	iP	00 49 40
Sept. 27, H = 03 36 55* 20°N, 108-1/2°W. Off coast of Mexico. Mag. 5-1/4 - 5-1/2.		
BER	ePP	03 46 24
	e(S)	51 09
	eL	56 25
BC	eP	03 40 54
	eL	48 33
BOZ	e(P)	03 42 40
	eS	47 05
	eL	51 14
BUT	e(P)	03 42 40
	eS	47 04
	eL	50 15
CHI	eS	03 47 31
	eL	49 05
COL	eP	03 46 10
	e(ScS)	56 16
	eSS	57 34
COLU	eL	03 52 38
HH	eP	03 42 57
LOG	e(P)	03 41 58
	e	42 39
	e(S)	46 04
	eL	48 00
OV	iP	03 40 59.6
	eL	49 08
PHIL	e	03 46 (17)
	e(S)	50 (24)
	eL	52 (35)
PF	e(P)	03 40 53.2
	i	42 18.7
	e	43 21
RC	e(P)	03 42 30
	eS	46 32
	eL	48 40
SLC	e(P)	03 41 44
	ePP	41 50
	e(S)	45 48
	eL	47 46

Date and Station		Phase (GCT)
		h m s
SJ	eP	03 44 34
	ePP	46 09
	eS	50 46
	eL	55 54
SH	eP	03 42 07
SIT	eS	03 51 10
	eL	58 00
TUC	eP	03 39 56
	e(S)	42 14
	eL	43 00
WASH	e(P)	03 43 51
	eL	56 43
Sept. 27, H = 03 43 32** Mexico aftershock.		
BC	eP	03 47 31
HH	eP	03 49 30
OV	iP	03 47 36.5
	i	48 58.0
PF	iP	03 47 29.7
TUC	eP	03 46 34
Sept. 27		
COL	iP	05 47 49
	eL	48 06
Sept. 27		
COL	eP	06 04 37
Sept. 27		
COL	e(P)	06 25 35
OV	iP	06 25 10.3
PF	i(P)	06 25 10.4
TUC	eP	06 25 12
Sept. 27		
TUC	eP	08 08 38
Sept. 27, H = 08 23 58* 18-1/2°S, 175°E. Fiji Islands region.		
BC	iP	08 36 40
COL	eP	08 36 49
	eS	47 34
	eL	09 05 30
HH	eP	08 37 07
	ePKKP	55 25
LOG	iP	08 37 02
	i	37 25
	e	40 35
OV	iP	08 36 43.2

Date and Station		Phase (GCT)
		h m s
PF	iP	08 36 43.2
	ePP	40 04
SJ	ePP	03 44 29
SH	iP	08 36 25
TUC	iP	08 36 47
Sept. 27		
TUC	e(P)	09 02 47
Sept. 27		
COL	eP	09 29 19
Sept. 27		
COL	eP	10 53 33
Sept. 27		
COL	eP	11 40 03
Sept. 27		
COL	eP	12 56 31
	eL	13 26 00
HH	eP	12 58 38
Sept. 27		
COL	eP	15 46 00
Sept. 27		
COL	eP	16 16 19
Sept. 27		
BC	eP	16 47 58
OV	e(P)	16 47 58
PF	e(P)	16 47 55
Sept. 27		
HH	iP	17 25 32
Sept. 27		
PF	e(P)	18 24 17
Sept. 27		
BC	e(P)	22 30 52
	e	31 04
COL	eP	22 35 21
PF	e(P)	22 30 32
	i	30 59.7
TUC	e(P)	22 29 45
Sept. 28		
COL	iP	00 02 49
PF	e(P)	00 02 23
Sept. 28		
COL	iP	00 59 17
Sept. 28		
COL	e(P)	03 24 14

Date and Station		Phase (GCT)
		h m s
PF	e(P)	03 23 39
TUC	e(P)	03 23 42
	e	23 55
Sept. 28, H = 03 29 36* 23°N, 121°E. Near east coast of Formosa.		
BC	eP	03 43 28
	e(PP)	47 15
COL	eP	03 40 47
	iP	41 00
	ePP	43 23
	iS	49 50
	i	50 13
	eL	04 06 08
	e(P'P')	08 46
HONO	eP	03 41 11
	iP	41 13
HH	iP	03 42 52
	e(PP)	46 28
	ePKKP	04 00 00
PF	eP	03 43 29
	iPP	47 35.8
SH	iP	03 42 57
	ePP	46 34
TUC	e(PP)	03 47 51
Sept. 28		
COL	e(P)	04 21 17
Sept. 28		
COL	iP	04 30 01
Sept. 28		
COL	e	05 04 31
	eL	15 09
Sept. 28		
COL	iP	05 53 22
HH	e(P)	05 53 16
PF	eP	05 52 43
TUC	e(P)	05 52 45
Sept. 28		
HH	eP	03 37 28
Sept. 28		
COL	eP	10 47 25
Sept. 28, H = 11 03 22 By PAS, 37°29'N, 118°35'W. Northwest of Bishop, Calif. Felt at Bishop, Laws and Owens Gorge. Mag. 4.1.		
BC	eP	11 04 19

Date and Station	Phase	Phase (GCT) h m s
BC	iP	11 04 21
	iS	05 03
PF	iP	11 04 20.5
	i	04 31
	iS	05 19.5
	i	05 20.0
SH	iP	11 04 42
	eS	05 35
TUC	iP	11 05 21
	eL	07 43
Sept. 28, H = 13 25 11* 5°S, 151°E. New Britain.		
BC	eP	13 38 42
COL	eP	13 37 36
HH	iP	13 38 44
PF	eP	13 38 45
SH	iP	13 38 15
Sept. 28		
BC	e(P)	16 12 03
Sept. 28		
COL	eP	17 01 21
Sept. 28		
COL	eP	19 21 39
Sept. 28, H = 21 47 01* 54-1/2°N, 134-1/2°W. Northwest of Queen Charlotte Islands. Felt on Annette Island.		
BC	e(P)	21 52 13
BOZ	eP	21 51 08
	eL	56 00
BUT	e(P)	21 51 02
	eL	55 18
CHI	eL	22 04 05
COL	iP	21 50 02
	e(S)	52 00
	iL	53 41
HH	iP	21 50 21
	e	52 39
	eL	54 03
LOG	e(P)	21 51 36
	eL	55 48
OV	eP	21 52 06
	i	52 12.4
	eL	22 00 37
PHIL	eL	22 08 (04)
PF	iP	21 52 10.9
	i	52 16.7
RC	eP	21 52 07
	eS	56 16
	eL	58 46
SH	iP	21 50 53
SIT	iP	21 47 45
	iS	48 16
	eL	48 28
TUC	eP	21 52 53
	iP	52 59
Sept. 28		
COL	eP	22 51 54
Sept. 29, H = 00 43 15** Marianas Islands region.		
COL	eP	00 54 28
HH	eP	00 56 18
SH	e(P)	00 55 46
TUC	eP	00 56 55
	e	57 08
Sept. 29		
COL	eP	01 55 44
HH	eP	01 57 15
Sept. 29		
HH	eP	02 46 05
Sept. 29		
TUC	eP	05 57 31
Sept. 29, H = 06 32 16* 19°N, 107°W. Off coast of Colima, Mexico. h = about 60 km. Mag. 7.		
BH	iP	06 38 10
BER	iP	06 39 58
	iPP	41 35
	iS	46 14
	eL	49 30
BC	eP	06 36 30
	i	37 12
	eS	39 43
BOZ	eP	06 37 58
	e(PP)	38 55
	e(PPP)	39 30
	iS	42 39
	iL	44 10
BUR	eP	06 39 41
	iPP	41 01
	e	42 46
	iS	45 39
	e	47 26
	iL	48 01
BUT	eP	06 38 01
	e(PP)	39 01
	e(S)	42 21
	iS	42 44
	eL	46 03
CHI	eP	06 38 14
	iP	38 15
	e(PP)	39 15
	ePPP	39 43
	iS	42 55
	i	43 23
	iL	43 55
COL	eP	06 41 30
	i	42 53
	ePP	43 35
	ePPP	44 45
	eS	48 54
	iS	49 08
	eSS	52 32
	eL	55 34
COLU	eP	06 38 06
	ePP	38 57
	iS	42 53
	e	43 40
	eL	45 28
HONO	eP	06 40 51
	eS	47 54
	e(SS)	50 50
	eL	52 04
HH	iP	06 38 23
	e(S)	43 50
LIN	e(P)	06 37 29
	e	39 40
	eS	41 40
	iS	41 50
	eL	43 56
LOG	iP	06 37 23
	i	38 20
	iL	42 43
OV	iP	06 36 35.3
PHIL	eP	06 39 (06)
	iP	39 (10)
	i	40 (14)
	iS	44 (20)
	i	44 (56)
	iL	46 (33)
PF	iP	06 36 29.5
	i(S)	39 44
	iL	42 26.4
RC	eP	06 37 36
	e(PP)	38 39
	e	39 30
	iS	42 14
	eL	44 30
SLC	iP	06 37 10
	ePP	37 42
	e	38 22
	i(S)	41 25
	eL	43 00
SJ	iP	06 39 40
	i	39 45
	ePP	41 12
	e	42 28
	iS	45 38
	e(SS)	48 28
	eL	48 40
SH	iP	06 37 41
	e(PP)	38 11
	e	41 43
SIT	eP	06 40 16
	iPPP	42 40
	i	43 10
	iS	46 56
	i	47 38
	iScS	50 22
	eL	52 08
TUC	iP	06 35 32
	ePP	36 19
	i(S)	38 19
	iL	39 00
UK	i(P)	06 37 39
	e(PP)	38 33
	eS	41 57
	iS	42 01
	eL	43 15
WASH	iP	06 38 49
	iL	47 14
Sept. 29		
COL	eP	06 52 16
Sept. 29, H = 07 54 24** Colima aftershock. Mag. 6 - 6-1/4. h = about 60 km.		
BC	eP	07 59 39
BUR	e(S)	08 08 01
	eL	10 21
BUT	e	08 01 07
	e(S)	05 07
	eL	10 01
CHI	eS	08 05 10
	eL	07 19
COL	eP	08 03 44

Date and Station		Phase (GCT) h m s
COLU	eS	08 05 00
	eL	08 12
HH	e(P)	08 00 44
LIN	e(S)	08 04 13
	eL	05 48
OV	i(P)	07 59 47.3
PF	i(P)	07 58 39.1
RC	eL	08 05 22
SLC	eP	07 59 22
	e(S)	08 03 42
	eL	05 24
SJ	eP	08 01 53
	e	02 20
	eS	07 54
	eL	12 15
SH	eP	07 59 58
TUC	eP	07 57 41
	eS	08 00 09
	eL	01 03
Sept. 29		
COL	iP	09 31 38
Sept. 29		
COL	eP	10 27 05
TUC	e(P)	10 26 48
Sept. 29		
COL	eP	13 00 32
Sept. 29		
COL	iP	14 42 36
	i	43 47
Sept. 29		
COL	eP	16 10 44
Sept. 29		
COL	iP	18 44 10
Sept. 29		
BER	eL	19 14 05
Sept. 29		
COL	eP	19 39 33
	iP	39 35
TUC	iP	19 44 06
Sept. 29		
SLC	eL	21 57 46
TUC	e(P)	21 52 52
	i	52 59
	eL	22 04 10
Sept. 29		
HH	eP	22 33 42

Date and Station		Phase (GCT) h m s
Sept. 30		
LOG	e	02 47 31
	eL	31 17
Sept. 30		
COL	eP	04 25 58
Sept. 30		
COL	eP	05 00 43
Sept. 30		
HH	eP	05 57 43
Sept. 30, H = 07 28 54* 28-1/2°N, 94°E. Assam. Felt.		
BER	ePS	07 58 20
	eL	08 29 35
BC	e(P')	07 47 52
	ePP	48 02
BOZ	eL	08 25 19
BUT	iPP	07 47 02
	eSKS	53 32
	ePS	56 12
	eL	08 24 38
CHI	ePP	07 47 57
	eSKS	53 55
	eSKKS	54 57
	eL	08 22 23
COL	iP	07 40 38
	iPP	43 26
	e(PPP)	45 30
	i	49 23
	eS	50 16
	iS	50 18
	eSS	54 48
	eL	08 05 36
HH	eP	07 42 40
	i(PP)	46 30
	eSKS	53 17
	ePKKP	59 03
LOG	eP	07 43 10
	iPP	47 31
OV	ePP	07 47 59
PHIL	e(PP)	07 49 (08)
	e(SKS)	55 (10)
	e(PS)	58 (34)
	e(SS)	08 05 (28)
	eSSS	08 (00)
	eL	23 (14)
PF	eP'	07 47 17
	iPP	48 02.7
SLC	eL	08 26 59
SJ	eP'	07 48 08
	ePP	50 37
	ePKS	51 27

Date and Station		Phase (GCT) h m s
SJ	eSS	08 07 35
	eL	36 27
SH	eP	07 42 56
	e(PP)	46 56
	ePKKP	58 58
SIT	e(P)	07 41 32
	i(P)	41 34
	eS	51 54
	eSS	57 24
	eL	08 13 44
TUC	eP'	07 47 27
	ePP	48 31
	eL	08 28 30
WASH	e(P')	07 48 08
	iPP	48 19
	e(PS)	58 07
	eL	35 16
Sept. 30		
PF	e(P)	07 58 37
TUC	eP	07 58 15
Sept. 30		
COL	eP	08 06 37
Sept. 30		
COL	eP	08 50 08
Sept. 30		
COL	eP	08 56 05
HH	iP	08 55 49
PF	i(P)	08 56 58.4
SJ	e(P)	08 57 48
SH	eP	08 56 00
TUC	i(P)	08 56 07
WASH	e(P)	08 56 40
Sept. 30		
COL	e(P)	10 59 18
Sept. 30		
COL	eP	15 19 25
Sept. 30		
HH	eP	23 39 46
	i	40 50

Date and Station		Phase (GCT) h m s
ADDENDUM		
HONO	eP	14 22 23
	ePP	26 24
	iPP	26 31
	eSKS	32 53
	iS	33 19
	iPS	34 38
	i(PPS)	34 54
	eSS	40 00
	eL	48 43

T_P = 5 sec. A = 3mm.
T_S = 16 sec. A = 33mm.
T_L = 20 sec. $A_{max.}$=20 sec.

Calipatria Earthquake Swarm

day	hour	mag.
July		
27	09 54	4.1
	11 32	3.6
	11 43	3.5
	12 02	4.2
	12 19	3.8
	12 57	3.9
	16 49	3.8
28	03 33	3.7
	03 54	3.5
	04 00	3.8
	05 14	3.5
	05 38	3.8
	08 24	3.6
	16 24	4.0
	17 30	4.1
	18 17	4.2
	18 40	4.0
	19 49	4.2
	21 13	4.1
	22 57	3.9
29	03 01	3.9
	07 36	3.9
	10 15	3.8
	14 50	3.8
	15 09	4.5
	15 20	3.9
	15 59	3.5
	17 14	4.3
	21 49	3.5

Assam Earthquake Swarm

Assam

day	hour	mag.
Aug.		
15	15 57 48**	
	16 29 28**	
	22 10 11**	(felt)
16	05 33 03**	(felt Tezpur)
	20 11 22**	
	23 31 30**	

China-India

day	hour	mag.
Aug.		
15	15 26 15**	
	16 55 18**	
	19 58 48**	
16	11 28 31**	
	19 25 35**	
	21 44 19**	
18	22 17 45**	(felt)
Sep.		
1	23 44 37**	
11	09 39 50**	

China

day	hour	mag.
Aug.		
15	16 50 09**	
	17 17 03**	
	23 44 44**	(felt)
16	15 29 25**	(felt)
22	02 22 38**	

Local and Minor Earthquakes

day	hour
BER	
Sept.	
16	07.6
	07.8
BUT	
July	
2	02.1
	02.2
	23.0
7	22.5
COL	
July	
1	02.4
	09.6
	11.5
	13.0
	14.0
	14.1
2	02.3
	05.4
	15.0
	15.3
	20.5
	23.9
3	07.1
	07.2
	23.9
4	03.6
	11.6
	18.1
	19.2
	22.5
	23.5
	23.7
5	15.6
	16.5
	18.5
	20.9
6	04.3
	06.1
	14.2
	19.5
	21.1
	22.3
	23.7
7	02.4
	07.5
	12.5
	13.3
	13.5
	15.1
	15.3
	15.3
	16.5
8	22.7
	23.5
9	00.5
	02.4
	04.9
	07.8
	14.8
10	04.9
11	03.3
	06.4
	13.6
12	23.4
13	07.6
	10.9
	13.5
	14.8
	23.8

day	hour
COL	
July	
14	07.3
	07.5
	11.1
	13.4
	22.2
15	17.2
	18.9
16	02.5
	12.3
	12.4
	12.5
	14.4
	15.5
	16.3
17	10.8
	13.1
18	16.3
19	11.3
	11.8
	12.7
	13.9
	14.0
20	01.1
	03.3
	09.4
	10.3
	11.3
	12.5
	12.7
	14.2
	15.1
21	21.3
22	01.3
	10.2
	13.2
	16.3
	18.2
	21.3
	22.7
23	02.1
	05.9
24	01.3
	03.4
25	11.3
	14.0
	20.4
	21.9
26	04.4
	09.4
	09.9
27	03.8
	04.3
	04.4
	09.5
	16.5
	17.4
28	06.3
	22.5
29	05.3
	15.9
30	00.9
	14.5
31	00.1
	00.9
	05.9
	17.1
Aug.	
1	02.5
	06.1
	07.3

day	hour
COL	
Aug.	
1	13.4
2	07.3
	13.7
3	01.8
	07.9
	10.8
	12.3
4	12.8
	20.7
5	03.3
	03.8
	13.7
6	01.8
	18.2
	19.1
	19.2
	23.0
7	05.9
	08.5
	11.4
8	19.4
9	04.7
	05.8
	10.2
	11.8
	14.4
	17.4
	22.6
10	11.6
11	06.4
	08.8
	09.0
	19.6
	22.4
12	11.0
	13.2
	13.8
13	08.6
	08.7
	16.8
14	09.4
15	00.3
	05.1
	11.4
	18.3
17	11.4
18	04.6
19	02.5
	07.4
	08.9
	09.3
	09.7
	14.8
20	05.2
	06.4
21	03.5
	21.0
	22.8
22	01.6
	21.6
23	06.9
	07.3
	09.7
	13.8
	17.0
	19.8
	22.3
24	06.4
	09.7
25	01.8
	07.7

day	hour
COL	
Aug.	
25	17.2
26	00.8
	04.9
	05.1
	06.2
	06.8
	06.9
	08.5
	08.7
	08.7
	08.9
	09.0
	09.4
	09.7
	09.7
	10.4
	10.5
	10.7
	12.4
	14.3
	14.8
	18.5
	18.7
	20.1
	20.1
	21.5
	22.7
27	01.5
	03.0
	03.6
	04.0
	04.1
	04.8
	04.8
	05.5
	07.5
	08.5
	09.5
	10.8
	12.6
	13.3
	14.4
	17.9
	20.6
	21.1
	22.2
28	02.4
	09.4
	09.7
	10.1
	11.6
	13.7
	14.9
	20.1
29	03.7
	04.6
	04.9
	08.8
	08.9
	10.7
	18.5
30	10.6
	11.6
	13.0
	14.3
	14.5
	18.3
31	04.9
	10.7
	15.3
	16.2

day	hour
COL	
Aug.	
31	16.3
	16.6
	21.3
	22.2
Sept.	
1	07.7
	10.5
	11.1
	14.3
	16.0
	16.5
	21.0
	21.2
2	02.6
	06.9
	09.1
	14.7
	14.8
	15.1
	16.8
3	01.4
	04.9
	05.4
	05.6
	19.8
4	03.2
	03.6
	05.2
	17.3
	17.5
	19.6
	20.8
	23.1
5	02.8
	07.0
	15.3
	15.4
	21.3
	21.5
6	00.2
	01.7
	01.9
	05.8
	15.5
	23.1
7	14.8
	16.4
	17.6
	20.3
8	02.1
	02.8
	08.7
	10.4
	10.7
	11.1
	22.2
	23.6
9	00.2
	08.7
10	04.4
	10.4
	15.4
11	05.7
	08.4
	08.5
12	03.7
	06.5
13	16.1
14	21.7
15	01.4

day	hour	day	hour	day	hour
COL		SJ		TUC	
Sept.		Sept.		Aug.	
15	09.7	28	02.2	11	03.2
	11.3		21.0	12	00.6
	19.8	29	19.2		02.3
16	05.6	30	04.9	13	03.1
	14.3		06.8		07.2
	22.8			14	19.3
17	00.9	TUC		18	20.4
	07.4	July		19	23.1
	16.7	1	02.5	20	09.0
19	07.3		10.6		11.7
	08.3		13.3		21.5
	08.7	7	03.0	21	09.3
20	06.7		10.6	22	02.0
21	01.5	8	21.9	25	11.4
	01.5		21.9	26	04.7
22	04.2		22.6		06.3
	09.1	11	11.6		09.9
	17.0	13	04.6	27	10.2
	22.1		04.9		19.8
23	10.4		20.7		
	13.0	14	11.1	Sept.	
	19.6		14.7	2	02.0
	22.4		17.8	3	22.3
27	12.0	16	03.9		23.1
			02.1		23.4
LOG			12.4	4	00.5
July		17	08.4		00.6
8	00.3	18	06.1		00.7
	00.6		12.7		01.5
11	13.7	19	04.6		11.9
		20	10.2	5	20.2
Aug.			10.7	6	03.8
3	18.2	21	10.6	7	12.4
17	20.7	24	02.9		13.5
			14.0		23.8
Sept.		26	08.8	8	04.3
4	22.5	27	09		10.9
		to			10.9
SJ		30	13		19.4
July		133 Imperial		9	21.1
3	12.7	Valley Shocks		10	05.0
12	11.0		14.7		05.1
18	06.9	31	02.0		23.0
25	02.0		03.8	14	00.9
26	19.0		04.0		01.1
28	05.8		04.8		05.0
29	00.6		07.7	16	08.6
			07.8	18	06.4
Aug.			08.0		06.5
8	14.4		09.0		07.9
			23.2	20	18.7
Sept.				21	01.7
1	14.0	Aug.		24	08.2
2	07.0	2	22.7	25	00.4
5	06.0	3	03.7		12.4
9	09.9		06.9		12.8
13	21.8		07.6	28	00.5
15	15.9		07.7		16.2
	19.0	4	01.8		23.7
16	0.16		04.9	29	05.4
	07.3	5	07.5	30	00.5
	07.5	6	20.2		05.7
17	20.9	7	08.5		06.0
22	08.3	8	05.4		
23	06.5	9	00.1		
	17.7		09.9		
24	11.8		11.9		
27	22.6	11	03.1		