G51.83
C55

Department of Commerce

Charles Sawyer, Secretary

U. S. Coast and Geodetic Survey

R. F. A. Studds, Director

U. S. COAST & GEODETIC SURVEY
LIBRARY & ARCHIVES
NOV 20 1951
ACC. No.

SEISMOLOGICAL BULLETIN

April, May, June, 1949

MSI - 138

ISSUED BY THE U. S. COAST AND GEODETIC SURVEY

Washington 25, D. C.

National Oceanic and Atmospheric Administration

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This has been a co-operative project between the NOAA Central Library and the Climate Database Modernization Program, National Climate Data Center (NCDC). To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or Library.Reference@noaa.gov

HOV Services
Imaging Contractor
12200 Kiln Court
Beltsville, MD 20704-1387
March 4, 2011

DEPARTMENT OF COMMERCE

Charles Sawyer, 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

April, May, June, 1949

MSI-138

***

Contents

List of stations 1
Provisional epicenters 2
Seismogram interpretations ... 10
Local and minor quakes 78

Issued by the U. S. Coast and Geodetic Survey

Washington 25, D. C.

A-4235-4(85)

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

**Balboa Heights, C. Z. (BH)
The Panama Canal
*Bermuda (BER)
Meteorological Station and International Union Geodesy and Geophysics
*Boulder City, Nev. (BC)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
**Burlington, Vt. (BUR)
University of Vermont
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and U. S. Weather Bureau
College, Alaska (COL)
*Columbia, S. C. (COLU)
University of South Carolina
Honolulu, T. H. (HONO)
*Huancayo, Peru (HUAN)
Geophysical Institute of Huancayo
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Logan, Utah (LOG)
Utah State Agricultural College
**New Kensington, Pa. (NK)
Private station
*Overton, Nev. (OV)
Bureau of Reclamation and National Park Service
**Philadelphia, Pa. (PHIL)
The Franklin Institute
*Pierce Ferry, Ariz. (PF)
Bureau of Reclamation and National Park Service
*Rapid City, S. Dak. (RC)
South Dakota State School of Mines and Technology
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
**Seattle, Wash. (SEA)
University of Washington
*Shasta, Calif. (SH)
Bureau of Reclamation
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International 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 magnitudes are determined by Pasadena unless otherwise stated. Minor earthquakes are listed at the end of the report.

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

***

PROVISIONAL EPICENTERS

Date 1949	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Apr.	h m s	° '	° '	
1	07 01 57*	23 S	178 W	Tonga Islands region. Depth about 600 km.
1	08 40 52*	29 N	113 W	Gulf of California.
1	16 45 45*	43½ N	126 W	Off coast of Oregon.
2	09 14 37**			Queen Charlotte Islands.
2	19 03 02*	17 S	174½ W	Tonga Islands. Felt at Apia. Depth about 150 km.
2	23 46 40*	16½ S	75 W	Near coast of southern Peru.
4	13 14 02*	11 N	76 W	Near northwest coast of Colombia.
5	09 27 00*	42 N	131½ E	Near Vladivostok, U. S. S. R. Felt. Depth about 550 km. Mag. 6-3/4 - 7
6	03 36 16**			Gulf of California.
6	06 49 17	33 00 N	116 21 W	By Pasadena. Near Cuyamaca, Calif. Mag. 3.3
6	15 23 14**			About 700 miles northeast of Mindanao, Philippine Islands. Depth about 100 km.
6	23 45 50**			About 250 miles off northeast coast of North Island, New Zealand.
7	06 12 48**			Northwestern Colombia.
8	06 10 30*	13 S	172½ W	Samoa Islands region.
8	08 18 28*	8 N	38 W	Mid-Atlantic Ocean, southwest of Cape Verde Islands.
9	04 20 11*	5½ N	83 W	Off south coast of Panama.
10	04 53 00*	56½ N	149 W	Off coast of southern Alaska. Depth 80 km.
10	23 48 16**			About 300 miles north of Kermadec Islands. Mag. 6-1/4 - 6½
12	05 05 08*	66½ N	153 W	Western Alaska.
12	07 22 41*	66½ N	153 W	Do.
13	07 58 26	37 40 N	118 23 W	By Pasadena. North of Bishop, Calif. Felt at Long Valley Dam and in Yosemite Valley. Mag. 4.5

Date 1949	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
Apr.	h m s	° '		° '		
13	15 12 56*	11	N	41½	W	Atlantic Ocean, off northeast coast of South America.
13	18 55 10**					Eastern New Guinea.
13	19 55 41	47.1	N	122.7	W	Western Washington. Approximately $25 million property damage in Seattle, Tacoma, and Olympia areas. Eight killed, many injured. Depth slightly greater than normal. Mag. 7.1
14	15 46 22**					Samoa Islands region.
14	17 02 56**					Do.
14	23 28 40*	72	N	1	W	Jan Mayen Island region.
15	00 34 00**					New Hebrides Islands region.
15	14 07 21*	5	S	124	E	Flores Sea. Felt on Buton Island.
16	00 38 01*	56	N	152	W	Off coast of southern Alaska.
17	00 41 50**					West-central Argentina. Depth about 100 km.
17	02 25 35*	16	S	69	W	Western Bolivia. Depth about 200 km.
17	15 24 03*	52	N	175	W	Andreanof Islands, Aleutian Islands.
17	15 27 35*	52	N	175	W	Do.
17	17 32 32**					Fiji Islands region.
18	21 34 49*	15½	S	173½	W	Samoa Islands region. Felt. Depth about 100 km. Mag. about 7
19	15 19 11*	48	N	154	E	Kurile Islands region. Depth slightly greater than normal. Mag. 6½
19	17 02 03*	43½	N	142	E	Near west coast of Hokkaido, Japan. Felt.
19	17 59 53*	6	S	154½	E	Solomon Islands. Depth slightly greater than normal.
20	03 29 01*	38½	S	72½	W	Central Chile. Destructive in Angol and Traiguen. 57 killed, extensive property damage. Depth 70 km. Mag. 7.4
22	01 02 36**					Easter Island region foreshock.
22	17 17 09*	35	S	113	W	South Pacific Ocean, 550 miles southeast of Easter Island.

Date 1949	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
Apr.	h m s	° '		° '		
23	00 30 14*	9	S	73	W	Peru-Brazil border.
23	11 15 30*	7	S	121	E	Flores Sea. Mag. 7.1
24	04 22 14*	27	N	56	E	Persian Gulf, near south coast of Iran. Depth about 100 km.
25	05 03 00**					Prince Edward Island region.
25	13 54 56*	20½	S	69½	W	Northern Chile. Destructive. Depth about 100 km. Mag. 7.5
25	23 09 14*	38½	N	38	E	Central Turkey.
26	10 11 38*	11	S	166	E	Santa Cruz Islands region. Depth about 60 km.
27	04 17 26**					Western Venezuela.
28	01 30 07**					Off south coast of Sumatra.
30	01 23 32*	6	N	125½	E	Near south coast of Mindanao, Philippine Islands. Depth 130 km. Mag. 7.3
30	03 08 21*	27	N	47	W	North-Atlantic Ocean.
May 2	00 26 08	31.8	N	115.0	W	By Pasadena. Head of Gulf of California. Mag. 4.1
2	11 24 58	34 01	N	115 46	W	By Pasadena. Pinto Basin, Calif., foreshock. Mag. 4.0
2	11 25 47	34 01	N	115 41	W	By Pasadena. Pinto Basin, Calif. Felt. Mag. 5.9
2	13 27 05	34 01	N	115 41	W	By Pasadena. Pinto Basin, Calif., aftershock. Mag. 3.8
2	14 35 21	34 01	N	115 41	W	By Pasadena. Pinto Basin, Calif., aftershock. Mag. 4.2
2	18 41 03	34 01	N	115 41	W	Do.
3	05 56 44*	49	N	153½	E	Kurile Islands. Depth about 150 km. Mag. 7
3	10 54 26**					Off east coast of Kamchatka. Depth slightly greater than normal.
3	14 51 31*	35	S	179	W	Kermadec Islands region.
4	01 34 03	40.4	N	124.3	W	By Berkeley. Cape Mendocino, Calif. Felt in Humboldt County. Mag. 4.1

Date 1949	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
May	h m s	° '	° '	
4	05 59 01*	9 N	40 W	Atlantic Ocean, northeast of Brazil.
6	08 31 00**			Near west coast of Hokkaido, Japan. Felt.
6	12 45 59*	11 S	166 E	Santa Cruz Islands. Depth about 100 km.
6	14 30 12*	54 N	109½ E	Lake Baikal region, U. S. S. R.
7	00 59 19**			Mariana Islands region. Depth about 100 km.
7	12 31 19**			Fiji Islands. Depth about 500 km.
7	13 01 52*	23½ S	66 W	Northwestern Argentina. Felt in northern Chile. Depth about 200 km.
7	14 54 10*	44 N	100 W	Central South Dakota.
8	21 24 21*	21½ S	69 W	Northern Chile. Felt. Depth about 100 km. Mag. 6-3/4
9	08 35 11*	41 N	84 E	Sinkiang Province, China.
9	13 36 17*	4½ N	95½ E	Northwest coast of Sumatra. Mag. 6-3/4
10	00 24 38*	19 N	106 W	Off coast of Colima, Mexico. Mag. 6-1/4
10	03 12 30**			Colima, Mexico, aftershock.
10	04 06 33	34 01 N	115 41 W	By Pasadena. Pinto Basin, Calif., aftershock. Mag. 4.7
10	14 11 11**			Fiji Islands region. Depth about 100 km.
10	21 18 40**			Pacific Ocean, south of Panama.
10	22 23 32*	49½ N	129 W	Off coast of Vancouver Island.
12	07 16 20**			Fox Islands, Aleutian Islands.
12	10 18 40**			Sumatra aftershock.
13	02 19 34	40.7 N	124.7 W	By Berkeley. Off Cape Mendocino, Calif. Mag. 4.3
13	07 15 48*	69½ N	16 W	Off east coast of Greenland.
13	10 18 31	34 00 N	118 16 W	By Pasadena. Los Angeles, Calif. Felt. Mag. 3.7
13	20 14 03*	41 N	32 E	Northern Turkey. Felt.
14	23 38 29*	53 N	133 W	Queen Charlotte Islands.

Date 1949	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
May	h m s	° '		° '		
15	05 30 10*	26	N	111	W	Gulf of California.
15	06 27 27*	9	S	160	E	Solomon Islands.
15	11 14 10**					New Britain region.
16	04 32 18**					Timor Sea.
17	02 29 53*	48	N	155	E	Kurile Islands region.
17	04 02 10*	34	S	68	W	Western Argentina.
17	06 24 33**					Near west coast of Peru. Felt.
17	22 37 45*	23	S	172	E	Loyalty Islands region.
17	23 57 55	35 38	N	121 09	W	By Pasadena. Felt in San Simeon, Calif. Mag. 4.1
20	08 12 40*	17	S	177	W	Fiji Islands region. Depth about 200 km.
20	09 17 56**					About 300 miles west of Samoa Islands. Depth about 200 km.
20	22 35 31	33	N	126	W	By Pasadena. Off coast of southern California. Mag. 4.8
21	05 43 51*	14½	S	76½	W	Near coast of Peru.
21	07 43 03*	23	S	117	W	Pacific Ocean, 550 miles northwest of Easter Island.
21	21 40 03*	37	N	142	E	Off east coast of Honshu, Japan. Felt. Mag. 6½
22	15 25 35*	7	S	81½	W	Off coast of Peru.
23	01 47 30	34 01	N	115 41	W	By Pasadena. Pinto Basin, Calif., aftershock. Mag. 3.9
23	04 17 36*	30	S	178	W	Kermadec Islands. Felt. Depth 70 km. Mag. 6½
23	05 24 10*	6	S	154	E	New Britain Island region. Depth about 50 km.
23	11 33 00*	19	N	95	W	Off coast of Vera Cruz, Mexico. Depth about 100 km.
24	11 51 52*	24½	S	112½	W	Easter Island region.
24	13 49 41**					Colima, Mexico, foreshock.
24	16 20 17*	18	N	105½	W	Off coast of Colima, Mexico. Depth about 100 km. Mag. 6½

Date 1949	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
May	h m s	° '	° '	
24	18 59 16*	37 N	142 E	Honshu, Japan, aftershock. Felt.
25	00 34 48*	69 N	19 W	Off east coast of Greenland.
25	08 23 48*	42 N	83 E	Sinkiang Province, China.
25	17 31 46	30 01 N	115 41 W	By Pasadena. Pinto Basin, Calif., aftershock. Mag. 4.5
26	05 10 00*	26½ S	72½ W	Off coast of Chile.
26	06 23 20*	37 N	33 W	Azores region.
26	09 37 54*	12 S	171½ W	Samoa Islands region.
26	15 43 39	34 01 N	115 41 W	By Pasadena. Pinto Basin, Calif., aftershock. Mag. 3.9
27	10 59 22*	16 S	172 W	Samoa Islands. Depth about 60 km.
28	16 01 17*	11 S	165 E	Santa Cruz Islands.
30	00 01 13*	2 N	79½ W	Near coast of Ecuador.
30	01 32 44*	22 S	69 W	Tarapaca Province, Chile. Depth about 100 km. Mag. 7
June				
1	08 23 15*	47½ N	124½ W	Off coast of Washington.
3	03 06 45**			Western South Dakota. Felt in Nebraska and South Dakota.
4	00 55 00**			Fiji Islands region. Depth about 600 km.
4	03 51 40**			About 400 miles north of Guam.
4	23 26 30*	19½ N	67 W	Off north coast of Puerto Rico.
5	19 26 40**			Off southeast coast of Honshu, Japan. Depth about 200 km.
6	06 59 04**			Tonga Islands region. Depth slightly greater than normal.
6	12 22 43	33 57 N	116 30 W	By Pasadena. Near Desert Hot Springs, Calif. Mag. 3.5
6	13 52 16**			New Hebrides Islands region.
7	04 35 45**			Near south coast of Alaska.
7	05 24 20*	57 N	165 E	Off northeast coast of Kamchatka.

Date 1949	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
June	h m s	° '	° '	
8	05 00 54*	63 N	153 W	Central Alaska.
9	10 49 10*	14½ N	91 W	Off coast of Guatemala. Depth about 100 km.
9	21 18 47*	16½ S	174 W	Samoa Islands region. Felt in Apia. Depth about 200 km.
11	07 34 55*	12½ N	87 W	Near west coast of Nicaragua. Depth about 100 km.
12	04 31 36*	19 N	69 W	Near east coast of Dominican Republic.
12	17 52 26*	28 S	63½ W	Northern Argentina. Depth about 650 km. Mag. 6.9
12	17 55 53*	28 S	63½ W	Do.
13	01 58 58*	28 S	63½ W	Northern Argentina aftershock. Depth about 650 km.
13	06 42 21**			Kurile Islands region.
14	00 21 14*	12 N	95½ E	Bay of Bengal.
14	05 49 00*	52 N	160 W	Aleutian Islands region.
15	01 47 25*	51 N	179 W	Aleutian Islands. Depth about 100 km.
15	07 10 31	34 01 N	115 41 W	By Pasadena. Pinto Basin, Calif., aftershock. Mag. 3.9
16	03 47 34	36 45 N	121 40 W	By Berkeley. Near Hollister, Calif. Felt. Mag. 3.9
16	06 24 28	36 20 N	116 50 W	By Pasadena. Deatn Valley, Calif. Mag. 3.7
16	17 57 58**			Gulf of Aden, off south coast of Arabia.
17	01 34 50*	3 S	12½ W	Atlantic Ocean, about 400 miles north of Ascension Island.
17	04 24 55*	34 N	28 E	Mediterranean Sea, about 100 miles east of Crete.
19	12 24 14*	23½ N	45 W	North Atlantic Ocean.
19	22 04 28*	61 N	150 W	Southern Alaska. Depth about 100 km.
22	13 04 45*	19 N	69 W	Near east coast of Dominican Republic.
22	18 08 46	37 20 N	121 41 W	By Berkeley. West-central California. Felt in San Jose, San Francisco, and San Mateo. Mag. 4.1

Date 1949	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
June	h m s	° '		° '		
23	18 47 09**					Kurile Islands region.
23	22 27 15*	16½	S	168	E	New Hebrides Islands. Depth about 200 km. Mag. 6½ - 6-3/4
24	16 03 03*	12½	S	171½	W	Samoa Islands. Felt in Apia.
24	22 38 48*	5	S	106½	E	Java Sea. Depth about 60 km. Mag. 7
25	19 17 10**					Tonga Islands region.
26	01 35.4	32.1	N	113.9	W	By Pasadena. Northern Gulf of California. Mag. 4.3
26	05 42 24*	40	N	21	E	Northwestern Greece.
26	08 41 16*	0		125	E	Celebes Island region. Mag. 6½
26	14 07 10**					Off east coast of Kamchatka.
26	20 59 28**					Do.
26	22 50 23**					Do.
27	10 35 31	35.8	N	121.1	W	By Berkeley. Central California. Felt in San Ardo and San Miguel. Mag. 5.3
28	20 08 29*	24	N	45	W	North Atlantic Ocean.
30	02 37 46*	18½	S	173	W	Tonga Islands region.
30	17 18 57*	14½	S	172½	W	Samoa Islands. Felt.

SEISMOGRAM INTERPRETATIONS

Date and Station		Phase (GCT)
		h m s
Apr. 1, H = 07 01 57* 23°S, 178°W. Tonga Islands region. h = about 600 km.		
BC	iP	07 13 33
	epP	15 42
	ipP	15 44
COL	i	07 16 10
HH	iP	07 14 04
	epP	16 18
	e	17 37
	iPP	17 51
PF	iP	07 13 37
	ipP	15 47
	isP	17 02
SH	iP	07 13 21
TUC	iP	07 13 39
	epP	15 44
	e(PP)	17 00
Apr. 1, H = 08 40 52* 29°N, 113°W. Gulf of California.		
BC	iP	08 42 33
	iL	44 23
HH	eP	08 45 15
PF	iP	08 42 33
	eL	44 54
RC	eL	08 51 55
SLC	eL	08 47 10
TUC	eP	08 41 44
	i	41 46
	i	41 52
	eS	42 28
	i	42 37
	eL	42 48
Apr. 1 HH	iP	09 26 57.5

Date and Station		Phase (GCT)
		h m s
Apr. 1 HUAN	eL	10 03 02
Apr. 1 COL	eP	13 00 35
Apr. 1, H = 16 45 45* 43½°N, 126°W. Off coast of Oregon.		
BC	eP	16 48 32
HH	iP	16 48 30
PF	iP	16 48 40
	e	49 20
SH	iP	16 46 44
	iL	47 51
TUC	eP	16 49 36
UK	eL	16 48 05
Apr. 1 OV	e	18 10 14
Apr. 1 HH	eP	18 39 08
	iP	39 12
OV	e	18 37 17
PF	e	18 37 12
Apr. 1 PF	iP	21 41 42
SH	iP	21 39 16
Apr. 1 OV	e	22 51 37
Apr. 2 COL	iP	00 12 30
	i	12 42
	e(S)	13 22
	eL	13 27
Apr. 2 HH	i	02 14 36

Date and Station		Phase (GCT)
		h m s
Apr. 2, cont. OV	e	02 13 39
PF	e	02 13 31
Apr. 2 COL	eP	02 52 02
Apr. 2 HH	i	05 55 43
SH	iP	05 55 06
Apr. 2 HH	e	07 15 02
OV	e	07 19 44
	e	19 50
Apr. 2 HUAN	eL	08 18 03
Apr. 2, H = 09 14 37** Queen Charlotte Islands.		
BC	eP	09 19 22
	i	09 27
COL	eP	09 17 58
	e	18 22
	eL	22 11
HH	iP	09 17 42
	iL	21 50
OV	iP	09 19 25
PF	iP	09 19 30
SH	iP	09 18 16
TUC	eP	09 20 12
Apr. 2 SH	iP	15 05 59
	i(S)	06 16
Apr. 2 COL	eP	16 12 41
HH	e	16 14 01

Date and Station		Phase (GCT)
		h m s
Apr. 2		
BER	eL	17 13 30
Apr. 2, H = 19 03 02* 17°S, 174½°W. Tonga Islands. Felt in Apia. h = about 150 km.		
BC	eP	19 14 42
	iP	14 43
	epP	15 19
COL	eP	19 15 19.5
	epP	15 57.5
HH	iP	19 15 20
	ipP	15 59
OV	iP	19 14 48
PF	iP	19 14 47.5
	ipP	15 24
SH	iP	19 15 32
TUC	iP	19 14 49
Apr. 2, H = 23 46 40* 16½°S, 75°W. Near coast of southern Peru.		
BC	iP	23 57 18
HH	eP	23 58 10
	iP	58 11
OV	eP	23 57 19
	iP	57 20
PF	iP	23 57 16
TUC	eP	23 56 44
Apr. 3		
HH	eP	00 29 06
Apr. 3		
COL	eP	06 47 56
	ePP	51 17
	ePKKP	07 06 08

Date and Station		Phase (GCT)
		h m s
Apr. 3, cont.		
HUAN	eP'	06 55 21
	e	07 20 48
	eL	51 38
HH	eP	06 49 36
	e	49 46
PHIL	eL	07 46 13
PF	e(P')	06 53 20
SJ	eP'	06 55 49
	e	57 07
	eSS	19 36
	eL	07 58 04
TUC	eP'	06 53 50
	eL	07 29 02
Apr. 3		
COL	eP	13 05 24
	iP	05 25
	i	05 36
	i	07 05
	iL	07 20
BC	eP	13 11 08
HH	iP	13 09 39
	i	13 20
OV	iP	13 11 05
PF	iP	13 11 07
	i	11 23
TUC	eP	13 09 11
	i	09 24
	iS	09 50
	i	10 03
	iL	10 28
Apr. 3		
HH	eP	15 55 34
	e(S)	56 12
Apr. 3		
BC	iP	16 10 35
OV	e	16 10 53
PF	eP	16 09 59

Date and Station		Phase (GCT)
		h m s
Apr. 3		
COL	eP	17 05 20
	i	05 31
OV	e	17 06 11
PF	eP	17 06 10
Apr. 3		
HH	e	19 17 09
Apr. 3		
HH	iP	21 02 44
	i	03 10
PF	eP	21 03 08
	i	03 36
SH	e	21 02 25
Apr. 3		
PF	eP	22 37 51
	i	37 04.5
Apr. 3		
BC	eP	23 35 18
	i(S)	35 43
OV	eP	23 35 26
	e(S)	36 07
PF	iP	23 35 01
	i	35 12
	i(S)	35 59
	e	39 41
	e	40 04
Apr. 4		
HUAN	e	00 35 51
	e	37 11
	eS	41 34
	eL	45 03
HH	e	00 41 16
OV	e	00 40 14
SH	i(P)	00 40 40
Apr. 4		
BER	eL	01 45 35
BC	eP	01 35 59

Date and Station		Phase (GCT) h m s
Apr. 4, cont.		
COL	eP	01 40 11
	ePcP	40 46
HH	iP	01 37 11
OV	eP	01 36 01
PHIL	eL	01 47 03
PF	iP	01 35 54
SJ	eL	01 41 39
SH	iP	01 37 01
TUC	eP	01 35 14
	e	35 25
	eL	46 12
Apr. 4		
BC	eP	02 00 44
HH	eP	02 01 58
OV	eP	02 00 47
PF	eP	02 00 41
SH	eP	02 01 33
TUC	eP	02 00 03
Apr. 4		
SH	iP	09 59 55
Apr. 4, H = 13 14 02* 11°N, 76°W. Near northwest coast of Colombia.		
BH	iP	13 15 03
	iS	15 38
HUAN	e	13 19 03
HH	e	13 23 11
PF	e	13 22 02
TUC	e	13 21 34

Date and Station		Phase (GCT) h m s
Apr. 4		
BH	eP	13 18 54
	iS	19 29
Apr. 4		
HH	iP	15 30 37
Apr. 4		
LOG	e	15 58 25
Apr. 4		
OV	e	17 47 56
Apr. 4		
OV	e	19 36 19
Apr. 4		
PF	eP	21 32 42
Apr. 4		
COL	iP	23 37 45
OV	e	23 45 36
SH	iP	23 46 03
Apr. 5		
BC	eP	03 31 49
HH	eP	03 31 33
OV	iP	03 31 38
PF	eP	03 31 43
SH	iP	03 29 49
TUC	e	03 32 42
Apr. 5		
COL	eP	06 32 23
	e	33 16
Apr. 5		
BOZ	eL	09 33 28
Apr. 5, H = 09 27 00* 42°N, 131½°E. Near Vladivostok, U. S. S. R. Felt. h = about 550 km. Mag. 6-3/4 - 7		

Date and Station		Phase (GCT) h m s
Apr. 5, cont.		
BC	iP	09 38 30
	ipP	40 30
BOZ	eP	09 38 02
	eS	10 47 04
	esS	50 35
	eL	57 16
BUT	eP	09 37 58
	e(PP)	40 45
	eS	46 54
	e(ScS)	47 21
	isS	50 29
	eSSS	56 00
CHI	eS	09 49 07
	esS	52 36
	iL	10 00 23
COL	iP	09 35 07
	ipP	36 52
	i(PP)	37 28
	eS	41 35
	eScS	43 43
	isS	44 38
	e(SS)	45 08
HONO	eP	09 36 36
	i	36 43
	e	38 39
	iPP	38 58
HUAN	iP'	09 45 35
	e	48 23
	eL	10 10 13
HH	iP	09 37 44
	ipP	39 35
	i	39 41
	iPP	40 38
	eS	46 29
LIN	eP	09 38 54
	eSKS	48 25
	iS	48 47
	esS	52 20
	eL	10 04 44
LOG	iP	09 38 14
	ipP	40 13
	e(sP)	41 06

Date and Station		Phase (GCT) h m s
Apr. 5, cont.		
LOG, cont.		
	ePP	09 41 14
	eS	47 30
	isS	51 05
	eSKPP'	10 07 33
OV	iP	09 38 30
	i	40 15
PHIL	eSKS	09 49 31
	eS	49 53
	esS	53 33
	eSS	56 33
	eL	10 08 07
PF	iP	09 38 31
	ipP	40 34
	esP	41 22
	esPP	44 33
RC	eP	09 38 30
	e	41 24
	epPP	43 17
	iS	47 54
	esS	51 27
	eL	10 04 23
SLC	eS	09 47 32
	esS	51 04
SJ	eSS	10 01 45
	esSS	05 00
SH	iP	09 37 48
	ipP	39 43
	iPP	40 45
	eS	46 37
	ePKKP	10 07 31
	e	07 46
TUC	iP	09 38 54
	ipP	40 56
	iPP	42 22
	e(sPP)	45 14
	eSKS	48 34
Apr. 5		
OV	e	10 04 58
	e	07 29

Date and Station		Phase (GCT) h m s
Apr. 5		
BC	eP	20 23 14
	e(S)	25 37
PF	i(P)	20 23 30
	e(S)	25 24
TUC	iP	20 22 41
	i	22 54
	iS	23 11
	i	23 36
	eL	23 48
Apr. 5		
PF	iP	20 28 46
Apr. 6, H = 03 36 16** Gulf of California.		
BC	eP	03 39 16
BUT	eL	03 49 22
CHI	eL	03 49 15
HH	iP	03 41 32
LIN	eL	03 46 48
PHIL	eL	03 53 56
PF	iP	03 39 15
	eL	43 36
RC	eL	03 42 04
SLC	eL	03 45 12
TUC	eP	03 38 10
	e	38 19
	eS	39 27
	eL	39 33
Apr. 6		
TUC	iP	05 20 03
Apr. 6		
BC	eP	06 16 35
	ipP	17 07
HH	iP	06 17 33
	ipP	18 05.5

Date and Station		Phase (GCT) h m s
Apr. 6, cont.		
OV	eP	06 16 37
PF	iP	06 16 32
	ipP	16 55
	i	18 04
SH	iP	06 17 23
TUC	iP	06 15 59
	ipP	16 21
	isP	16 31
Apr. 6, H = 06 49 17 By PAS, 33°00'N, 116°21'W. Near Cuyamaca, Calif. Mag. 3.3		
BC	iP	06 50 17
	e(S)	50 59
OV	eP	06 50 23
	i	50 28
	e(S)	51 21
PF	iP	06 50 12
	i(S)	51 08
Apr. 6		
COL	eP	09 11 50
HH	eP	09 13 54
OV	e	09 15 16
PF	eP	09 15 14
Apr. 6		
HH	iP	10 40 17
Apr. 6, H = 15 23 14** About 700 miles northeast of Mindanao, Philippine Islands. h = about 100 km.		
COL	eP	15 34 55
HH	e	15 36 44
	e	39 52
	e	41 01
	i	41 54

Date and Station		Phase (GCT) h m s
Apr. 6, cont.		
PF	iP	15 34 03
	e(S)	35 12
Apr. 6		
OV	e	15 42 34
PF	ePP	15 41 24
TUC	ePP	15 42 08
Apr. 6		
BC	e	15 53 09
	e	53 20
HH	e	15 53 21
OV	i	15 53 20
PF	e	15 53 05
SH	e	15 53 50
TUC	e	15 53 03
Apr. 6		
COL	e	16 54 56
PF	iP	16 52 44
	i	53 08
Apr. 6		
HH	iP	18 44 37
	i	44 47
PF	e	18 44 26
SH	eP	18 44 37
	iP	44 39
Apr. 6		
SJ	e	18 48 03
	e	48 27
	e(S)	48 39
	eL	48 53
Apr. 6		
COL	iP	19 16 09
	iL	16 34
Apr. 6		
BC	iP	20 16 35

Date and Station		Phase (GCT) h m s
Apr. 6, cont.		
HH	iP	20 17 13
OV	iP	20 16 39
PF	iP	20 16 39
SH	iP	20 16 23
Apr. 6		
PF	iP	20 18 15
	e	18 39
Apr. 6		
OV	eP	23 39 23
	eS	43 50
Apr. 6, H = 23 45 50** About 250 miles off northeast coast of North Island, New Zealand.		
BC	eP	23 59 01
OV	eP	23 59 07
	i	59 11
PF	eP	23 59 07
SH	eP	23 58 57
TUC	eP	23 59 03
	iP	59 09
Apr. 7		
HUAN	eL	00 30 58
Apr. 7		
COL	iP	04 16 52
	i	17 00
	i(S)	17 20
	eL	17 48
HH	e	04 21 24
Apr. 7		
BC	eP	05 41 38
HH	eP	05 41 55
PF	eP	05 41 42

Date and Station		Phase (GCT) h m s
Apr. 7, H = 06 12 48** Northwestern Colombia.		
BH	e	06 13 43
	i(S)	14 23
BC	eP	06 21 00.5
HUAN	eP	06 17 19
OV	iP	06 21 01
PF	iP	06 20 56
TUC	iP	06 20 22
Apr. 7		
BC	eP'	07 34 05
	e	34 20
	e(PP)	38 00
HH	iP'	07 34 08
	e	34 46
	e(PP)	38 26
	e	38 39
OV	iP'	07 34 06
	e(PP)	38 13
PF	eP'	07 34 05
	e(PP)	38 16
SH	eP'	07 33 57
	e	34 04
	e(PP)	37 45
TUC	eP'	07 34 04
	i	34 29
	e	35 30
	e(PP)	37 56
Apr. 7		
COL	eP	08 44 55
Apr. 7		
COL	eP	12 18 59
Apr. 7		
COL	eP	14 25 00
OV	iP	14 24 37

Date and Station		Phase (GCT) h m s
Apr. 7		
COL	iP	19 19 53
	i	19 55
	i	20 27
	iL	21 12
HH	iP	19 24 06
Apr. 7		
HH	e	21 36 21
Apr. 7		
OV	iP	21 53 53
Apr. 7		
SH	iP	22 35 32
Apr. 7		
SH	iP	22 54 14
	i(S)	54 49
Apr. 7		
PF	iP	23 08 32
SH	iP	23 08 15
Apr. 8		
HH	e	00 28 46
Apr. 8		
COL	eP	01 17 07
	e	20 05
HH	e(P)	01 19 01
SH	eP	01 18 22
Apr. 8		
OV	eP	01 34 10
Apr. 8		
COL	eP	03 47 03
	e	47 17
HH	eP	03 50 00
PF	iP	03 51 05
SH	iP	03 49 58
	i	50 06

Date and Station		Phase (GCT) h m s
Apr. 8		
COL	iP	04 11 36
	i	11 45
	eS	12 34
	i	12 38
	i	12 48
	eL	13 32
HH	eP	04 15 14
	i	15 24
SH	iP	04 15 37
Apr. 8, H = 06 10 30* 13°S, 172½°W. Samoa Islands region.		
BC	e	06 22 02
COL	eP	06 22 39
HH	iP	06 22 40
SH	eP	06 21 48
Apr. 8		
COL	iP	06 54 07
	i	54 18
	iL	55 42
HH	iP	06 58 28
SH	iP	06 59 52
Apr. 8, H = 08 18 28* 8°N, 38°W. Mid-Atlantic Ocean, southwest of Cape Verde Islands.		
BC	iP	08 30 13
HH	eP	08 30 07
LOG	eP	08 29 53
OV	eP	08 30 07
	iP	30 08
PF	iP	08 30 04
SH	iP	08 31 38

Date and Station		Phase (GCT) h m s
Apr. 8, cont.		
TUC	eP	08 29 46
	iP	29 47
Apr. 8		
OV	e	13 18 46
SH	e	13 19 37
Apr. 8		
HH	eP	13 23 31
	e	24 18
OV	e	13 24 16
	i	24 37
PF	e	13 22 43
	i	24 38
Apr. 8		
OV	e	13 34 15
	i	34 20
Apr. 8		
HH	eP	14 49 22
PF	e	14 47 27
TUC	eP	14 46 24
	e(S)	47 44
	eL	48 17
Apr. 8		
TUC	e	21 52 51
	eL	57 40
Apr. 9, H = 04 20 11* 5½°N, 83°W. Off south coast of Panama.		
BH	iP	04 21(20)
	e	22 06
BER	eL	04 33 34
BC	iP	04 28 06
CHI	eL	04 35 23
COLU	eL	04 33 15

Date and Station		Phase (GCT) h m s
Apr. 9, cont.		
HUAN	iP	04 24 38
	i	24 56
	iS	28 17
	eL	28 30
HH	iP	04 29 08
	e(PcP)	30 34
LOG	eP	04 28 19
	ePP	30 07
OV	iP	04 28 07
PHIL	eL	04 32 35
PF	iP	04 28 02
SJ	iP	04 24 51
	e(PP)	25 30
	e	26 31
	eS	28 38
	eL	30 08
SH	eP	04 29 16
	e(PcP)	30 27
TUC	iP	04 27 25
	ePP	28 53
	eL	39 00
Apr. 9		
HH	eP	06 09 29
SH	eP	06 09 29
Apr. 9		
TUC	e	07 49 12
Apr. 9		
TUC	eP	08 25 35
Apr. 9		
HH	eP	14 52 25
Apr. 9		
OV	eP	17 27 37
	iP	27 39
Apr. 9		
TUC	e	21 44 12

Date and Station		Phase (GCT) h m s
Apr. 9		
HUAN	eL	22 25 00
TUC	eL	22 46 00
Apr. 9		
OV	iP	23 47 03
	i	47 13
Apr. 10		
HH	i	00 14 10
Apr. 10		
BC	e	02 50 17
	e	50 24
OV	e	02 50 24
	i	50 31
PF	iP	02 50 22
TUC	eP	02 49 24
Apr. 10, H = 04 53 00* 56½°N, 149°W. Off coast of southern Alaska. h = 80 km.		
BC	iP	04 59 14
	ipP	59 30
	ipPP	05 00 49
	e	01 23
	e(sS)	05 04
COL	eP	04 55 05
	i	55 11
	iS	57 46
	eL	58 11
HH	iP	04 58 13
	ipP	58 30.5
	iPP	59 04
	i(pPP)	59 28
	i	05 00 57
OV	iP	04 59 13
	ipP	59 29
	i	05 05 04
PHIL	eL	05 20 55

Date and Station		Phase (GCT) h m s
Apr. 10, cont.		
PF	iP	04 59 16
	ipP	59 33
	e(sS)	05 05 02
SH	iP	04 58 08
	ipP	58 26
	isP	58 36
	i	05 01 00
	i	04 36
TUC	iP	04 59 54
	ipP	05 00 10
Apr. 10		
BC	eP	06 03 39
OV	iP	06 03 41
PF	eP	06 03 44
SH	iP	06 02 36
TUC	eP	06 04 13
Apr. 10		
BC	eP	11 19 21
	e	19 34
	e(S)	20 15
HH	iP	11 19 39
	i(S)	20 12
OV	iP	11 19 16
	e	20 03
	i(S)	20 04
PF	eP	11 19 13
	e(S)	20 16
Apr. 10		
OV	e	12 17 20
Apr. 10		
BER	eL	15 24 25
BC	eP	15 51 30
	i	51 33
OV	i	15 51 28
PF	iP	15 51 23

Date and Station		Phase (GCT)
		h m s
Apr. 10		
HH	iP	16 34 24
	i(S)	35 25
Apr. 10		
HH	iP	17 47 31
PF	eP	17 47 59
Apr. 10		
BC	eP	17 57 37
HUAN	iP	18 04 33
HH	iP	17 57 05
LOG	eP	17 57 28
	e	57 47
OV	iP	17 57 37
PF	iP	17 57 39
SH	iP	17 56 58
TUC	iP	17 58 00
	i	18 01 39
Apr. 10		
HH	iP	18 22 22
PF	eP	18 20 14
Apr. 10		
HH	e	23 31 46
Apr. 10, H = 23 48 16** About 300 miles north of Kermadec Islands. Mag. 6-1/4 - 6½		
BER	eSP	00 18 35
	ePS	18 58
	eSS	25 12
	e	25 40
	eL	49 36
BC	iP	00 00 50
BOZ	eL	00 36 22
BUT	eL	00 29 15

Date and Station		Phase (GCT)
		h m s
Apr. 11, cont.		
CHI	eL	00 37 49
COL	eSKS	00 12 07
	eL	29 17
HONO	eL	00 08 41
HUAN	e	00 09 42
	eS	12 53
	e	13 03
	ePS	14 00
	eSS	19 08
	eL	26 44
HH	iP	00 01 26
	ePKKP	18 46
LIN	eL	00 39 48
LOG	eP	00 01 10
	eSKS	11 34
	eL	31 19
PHIL	eSS	00 23 44
	eL	39 27
PF	iP	00 00 52
	iPPP	06 11.5
SLC	eP	00 01 19
	eSKS	11 47
	eSS	18 02
	eL	32 34
SJ	ePP	00 07 52
	eSKS	13 36
	e(S)	15 28
	e(SP)	17 06
	eSS	23 54
	eSSS	28 16
	eL	47 47
SH	iP	00 00 40
	i	01 15
SIT	eSKS	00 12 03
	eSS	18 22
	eL	25 48
TUC	iP	00 00 50
	eS	11 19
	ePS	12 20
	eL	27 00

Date and Station		Phase (GCT)
		h m s
Apr. 11		
BC	eP	00 03 21
HH	iP	00 03 58
LOG	eP	00 03 45
PF	iP	00 03 24
SH	iP	00 03 10
TUC	iP	00 03 25
Apr. 11		
BC	eP	01 43 58
	iP	43 59
HH	iP	01 44 29
OV	iP	01 43 58
PF	iP	01 43 57
SH	iP	01 43 44
TUC	iP	01 43 56
Apr. 11		
BC	iP	05 21 20
HH	iP	05 20 26
OV	eP	05 21 19
PF	iP	05 21 26
SH	e	05 20(33)
TUC	e	05 21 56
Apr. 11		
BC	eP	06 19 52
HH	iP	06 18 17
OV	iP	06 19 49
PF	iP	06 19 53
Apr. 11		
OV	e	07 39 17

Date and Station		Phase (GCT) h m s
Apr. 11		
BC	eP	08 18 46
HH	e	08 19 30
OV	iP	08 18 49
PF	iP	08 18 49
SH	e	08 18(48)
Apr. 11		
TUC	iP	09 28 44
Apr. 11		
BC	eP	10 19 01
HH	e	10 19 46
	i	19 57
OV	eP	10 19 03
PF	iP	10 19 02
SH	e	10 19(19)
Apr. 11		
OV	i	10 42 53
Apr. 11		
OV	i	14 04 44
Apr. 11		
BC	e	16 05 02
HH	iP	16 04 08
OV	i	16 05 01
PF	eP	16 05 05
Apr. 11		
BC	e	17 11 24
PF	iP	17 11 25
Apr. 11		
OV	eP	18 29 19
	i	29 23
Apr. 11		
BC	iP	18 38 43

Date and Station		Phase (GCT) h m s
Apr. 11, cont.		
HH	iP	18 39 20
	i	39 29
LOG	e	18 39 04
OV	iP	18 38 46
PF	eP	18 38 45
	iP	38 46
TUC	iP	18 38 45
Apr. 11		
HH	eP	18 42 57
OV	i	18 45 27
PF	eP	18 45 27
Apr. 11		
BC	eP	19 00 43
HH	iP	19 02 39
OV	eP	19 00 27
	e	04 41
PF	iP	19 00 19
TUC	eP	18 59 15
	i	59 50
	e(S)	19 00 38
	iL	01 15
Apr. 11		
BC	eP	21 33 15
OV	eP	21 33 18
	iP	33 19
PF	eP	21 33 17
SH	e	21 32 59
Apr. 11		
OV	e	22 21 42
	i	22 08
Apr. 12		
BC	eP	02 07 53
	e	08 17

Date and Station		Phase (GCT) h m s
Apr. 12, cont.		
HH	eP	02 07 55
OV	e	02 07 54
	e	08 20
PF	eP	02 07 53
SH	iP	02 07 52
	e	07 59
TUC	eP	02 07 52
	e	08 18
Apr. 12		
TUC	eP	02 46 31
Apr. 12		
TUC	eP	03 07 44
Apr. 12, H = 05 05 08* 66½°N, 153°W. Western Alaska.		
BC	eP	05 12 28
	e	14 57
BOZ	eL	05 20 36
COL	iP	05 05 53
HH	iP	05 10 55
	i	11 15
	eL	18 19
OV	iP	05 12 25
PF	iP	05 12 30
	e	15 02
TUC	iP	05 13 09
	e(PPP)	15 12
Apr. 12		
BC	e	06 11 19
	e	11 25
OV	eP	06 11 29
PF	e	06 11 29
Apr. 12		
HH	e	06 57 39

Date and Station		Phase (GCT)
		h m s
Apr. 12, cont.		
PF	eP	06 56 24
SH	eP	06 56 19
TUC	eP	06 55 49
Apr. 12		
HH	e	07 05 17
PF	e	07 04 04
TUC	e	07 03 23
Apr. 12, H = 07 22 41* 66½°N, 153°W. Western Alaska.		
BC	eP	07 30 01
	e	32 31
HH	iP	07 28 28
	i	28 35
	e(PcP)	30 57
OV	iP	07 29 58
PF	eP	07 30 03
TUC	eP	07 30 41
	e(PPP)	33 16
Apr. 12		
BC	eP	07 53 51
HH	eP	07 52 16
OV	iP	07 53 48
PF	iP	07 53 52
Apr. 12		
BC	eP	10 03 51
	i	04 04
	e	05 48
COL	e	10 04 30
HUAN	eL	10 38 15
HH	eP	10 04 27
OV	iP	10 03 54

Date and Station		Phase (GCT)
		h m s
Apr. 12, cont.		
PHIL	eL	10 53 55
PF	e(P)	10 03 46
	iP	03 54
	epP	04 07
SH	eP	10 03 30
TUC	iP	10 03 53
	i	04 06
	e	05 45
Apr. 12		
COL	eP	10 34 29
Apr. 12		
BC	eP	10 41 18
	e	41 22
OV	iP	10 41 21
PF	iP	10 41 21
	e	41 35
Apr. 12		
BC	e	15 03 04
	e	03 17
Apr. 12		
PF	iP	15 23 36
TUC	iP	15 23 38
Apr. 12		
BC	eP	17 26 37
HUAN	e	17 31 05
	e	35 52
	eL	39 03
HH	eP	17 27 57
PHIL	eL	17 34 23
PF	eP	17 26 34
RC	eL	17 40 33
SLC	eL	17 38 07
SJ	eL	17 32 22

Date and Station		Phase (GCT)
		h m s
Apr. 12, cont.		
SEA	eL	17 43 05
TUC	eP	17 25 50
	e	26 23
	eL	32 53
UK	eL	17 41 07
Apr. 12		
COL	eP	23 19 05
	e	19 41
LOG	e(L)	23 39 31
SJ	eL	23 31 22
TUC	eP	23 38 54
	i	39 09
	e	39 38
	iL	40 10
Apr. 13		
BC	eP	01 25 56
HH	eP	01 26 10
	e	27 05
PF	eP	01 26 05
SH	e	01 26 06
Apr. 13		
TUC	eP	05 37 18
Apr. 13, H = 07 58 36 By PAS, 37°40'N, 118°23'W. North of Bishop, Calif. Felt at Long Valley Dam and in Yosemite Valley. Mag. 4.5		
BC	iP	07 59 12
	iL	08 00 05.5
BOZ	eL	08 03 43
HH	iP	08 01 07
	i	01 19
	eL	04 21

Date and Station		Phase (GCT) h m s
Apr. 13, cont.		
LOG	eP	08 00 08
	eS	01 16
	eL	01 58
SLC	eP	08 00 05
	e(S)	01 21
	eL	01 48
SH	iP	07 59 33
	e	59 44
	iL	08 00 41
TUC	eP	08 00 31
	i	01 01
	eS	01 46
	e	02 08
	eL	02 25
UK	eL	08 00 05
Apr. 13		
COL	e	10 39 12
HH	e	10 39 12
Apr. 13		
TUC	eP	13 14 45
	i	14 57
Apr. 13		
HUAN	eL	14 08 41
Apr. 13, H = 15 12 56* 11°N, 14½°W. Atlantic Ocean, off northeast coast of South America.		
CHI	e	15 22 29
	eS	29 13
	eL	35 12
COL	eP	15 25 45.5
HUAN	eP	15 20 37
	ePP	22 18
	e(S)	26 47
	eL	33 00
HH	iP	15 24 13
	i	24 45
LOG	eP	15 23 58

Date and Station		Phase (GCT) h m s
Apr. 13, cont.		
PHIL	eS	15 27 09
	eL	30 21
SJ	eP	15 18 30
	eS	22 49
	iL	23 13
SH	iP	15 24 46
SIT	eL	15 49 32
TUC	iP	15 23 51
Apr. 13		
COL	iP	18 05 26
	i	05 30
	i	05 35
	i(S)	05 46
	i	05 51
	i	05 56
	iL	06 09
Apr. 13, H = 18 55 10** Eastern New Guinea.		
COL	iP	19 07 45
	i	08 09
HH	eP	19 08 56
	e	09 29
OV	ePP	19 13 08
	e	13 38
SH	iP	19 08 29
Apr. 13		
HH	iP	19 24 07
	i	24 36
	i	25 37
OV	i	19 25 39
Apr. 13, H = 19 55 41 47.1°N, 122.7°W. Western Washington. Approximately $25 million property damage in Seattle, Tacoma, and Olympia areas. 8 killed, many injured. h = slightly greater than normal. Mag. 7.1		

Date and Station		Phase (GCT) h m s
Apr. 13, cont.		
BH	e(P)	20 05 19
BER	iP	20 04 10
	iPP	06 08
	e(PPP)	07 08
	iS	10 52
	eSS	14 05
	eL	15 10
BC	iP	19 58 41
	eL	20 01 18
BOZ	iP	19 57 41
	i(S)	59 06
	iL	59 33
BUT	iP	19 57 26
	i	57 41
	iL	59 10
CHI	iP	20 01 03
	i	02 03
	ePcP	04 21
	eS	05 26
	eL	06 36
COL	iP	20 00 39
	i	00 57
	iPP	01 19
	i(PcP)	03 54
	iS	04 45
	iL	05 18
COLU	eP	20 02 19
	ePPP	03 40
	e	07 15
	eS	07 30
	eL	09 20
HONO	eP	20 03 04
	e	03 23
	ePP	04 22
	ePcP	04 52
	eS	09 02
	eL	11 29
SOFAR WAVE	e	20 56 23
	i	56 27
	e	56 59
HUAN	iP	20 07 07
	ePP	09 40
	e	10 07

Date and Station		Phase (GCT)
		h m s
Apr. 13, cont.		
HUAN, cont.		
	eS	20 16 13
	iS	16 29
	i	20 18
	e(L)	24 25
HH	iP	19 57 05
	i	57 09
LIN	iP	20 00 08
	eS	03 48
	iL	05 39
LOG	eP	19 57 57
	iP	57 58
	i	58 25
	i	58 32
	iS	59 54
	iL	20 00 38
NK	eP	20 01 59
	eS	06 59
	eL	09 14
OV	eP	19 58 37
	iP	58 38
PHIL	iP	20 02 26
	iPP	03 29
	iS	07 50
	eL	10 19
RC	iP	19 59 00
	i	59 18
	i(S)	20 01 55
	iL	02 30
SLC	iP	19 57 50
	i	59 38
SJ	eP	20 05 02
	e	05 30
	ePcP	06 02
	ePP	06 55
	ePPP	08 12
	eS	12 32
	iS	12 36
	e(SS)	16 28
	eL	17 40
SEA	iP	19 56 06

Date and Station		Phase (GCT)
		h m s
Apr. 13, cont.		
SH	iP	19 57 16
SIT	iP	19 58 44
	i	59 11
	e	59 40
	i	20 00 35
	iS	01 13
	iL	01 38
TUC	iP	19 59 44
	i	59 56
	i	20 00 35
	i	01 09
	iS	02 59
	iL	03 20
UK	eP	19 57 37
	e	57 49
	i	58 12
	iS	59 03
	iL	59 19
Apr. 13		
COL	iP	20 18 57.5
	iL	20 00
Apr. 13		
BC	e	20 34 42
SH	e	20 34 56
TUC	e	20 34 44
Apr. 13		
OV	i	22 31 24
Apr. 14		
OV	e	01 26 39
Apr. 14		
COL	eP	03 24 32
Apr. 14		
OV	iP	05 16 10
Apr. 14		
OV	e	06 40 54
Apr. 14		
OV	eP	07 14 38

Date and Station		Phase (GCT)
		h m s
Apr. 14		
BC	eP	07 46 25
	iP	46 26
	e	46 49
	e	47 19
COL	eP	07 47 03
HH	eP	07 47 04
OV	eP	07 46 29
	iP	46 30
SH	iP	07 46 17
TUC	eP	07 46 32
Apr. 14		
COL	eP	09 20 24
OV	e	09 19 51
Apr. 14		
BC	eP	09 50 19
COL	e	09 50 13
Apr. 14		
HH	iP	09 53 00
OV	e	09 50 35
	i	50 39
	i	52 45
Apr. 14		
COL	iP	11 15 25
	i	15 33
	i	15 45
	iL	16 43
Apr. 14		
OV	iP	12 11 47
Apr. 14		
OV	e	13 04 35
Apr. 14		
COL	eP	13 46 06
Apr. 14		
COL	e	14 00 36

Date and Station		Phase (GCT)
		h m s
Apr. 14		
COL	eP	15 02 19
Apr. 14, H = 15 46 22** Samoa Islands region.		
BC	e	15 57 59
COL	eP	15 58 36
	i	58 46
HONO	eL	16 02 25
HUAN	eL	16 31 08
HH	eP	15 58 37
	i	16 00 00
OV	e	15 58 04
PHIL	eL	16 37 19
PF	eP	15 58 01
	i	58 23
	e	59 45
SH	iP	15 57 48
	i	57 58
TUC	eP	15 58 05
	eL	16 21 13
UK	eL	16 18 08
Apr. 14, H = 17 02 56** Samoa Islands region.		
BC	eP	17 14 34
	e	14 47
COL	eP	17 15 11
	i	15 31
HONO	eL	17 19 03
HUAN	eSKS	17 26 56
	eS	27 43
	eSS	34 18
	eL	43 02
HH	eP	17 15 13
	i	15 34
	e	16 21

Date and Station		Phase (GCT)
		h m s
Apr. 14, cont.		
LOG	e	17 14 53
PHIL	eL	17 50 57
PF	eP	17 14 37
	i	15 05
SH	e	17 14 09
	i	14 21
TUC	e	17 14 40
	eL	37 32
Apr. 14		
BC	iP	19 49 09
COL	eP	19 49 57
HH	iP	19 50 48
OV	iP	19 49 13
PF	iP	19 49 12
	i	50 17
SH	eP	19 49 30
TUC	iP	19 49 12
Apr. 14		
COL	eP	20 47 30
Apr. 14		
OV	e	22 32 55
	e	34 39
Apr. 14, H = 23 28 40* 72°N, 01°W. Jan Mayen Island region.		
BC	eP	23 39 17
	i	39 37
COL	eP	23 36 31
	i	36 58
HH	eP	23 37 46
	i	38 12
OV	eP	23 39 09

Date and Station		Phase (GCT)
		h m s
Apr. 14, cont.		
PF	iP	23 39 08
	i	39 35
SH	eP	23 38 53
	i	39 18
TUC	eP	23 39 26
	ePcP	39 55
Apr. 15		
COL	iP	00 24 51.5
	i	24 58
	iL	25 14
Apr. 16		
PF	eP	00 44 33
Apr. 15, H = 00 34 00** New Hebrides Islands region.		
BC	iP	00 47 02
COL	eP	00 46 58
HH	eP	00 46 23
OV	eP	00 47 05
	iP	47 06
PF	iP	00 47 05
	e	48 01
SH	iP	00 46 46
TUC	iP	00 47 10
	e	47 26
Apr. 15		
BC	eP	02 15 06
HH	eP	02 16 23
	e	16 32
OV	e	02 15 13
PF	eP	02 15 04
	e	15 06
SH	eP	02 15 43

Date and Station		Phase (GCT) h m s
Apr. 15		
COL	iP	04 56 13
	i	56 14
	i	56 18
	iS	56 32
	iL	56 49
Apr. 15		
COL	eP	05 51 46
	i	51 53
Apr. 15		
TUC	eP	06 07 36
Apr. 15		
COL	eP	09 17 48
Apr. 15		
OV	i	11 58 05
TUC	iP	11 58 04
	i	58 20
Apr. 15		
COL	iP	13 35 17
	eS	35 38
	eL	35 44
Apr. 15, H = 14 07 21* 5°S, 124°E. Flores Sea. Felt on Buton Island.		
BC	eP'	14 26 12
COL	eP	14 20 42
HH	eP'	14 26 02
	iP'	26 04
	e(PP)	27 05
OV	eP'	14 26 13
PF	iP'	14 26 14
	e(PP)	27 22.5
SH	eP'	14 26 41
Apr. 15		
COL	eP	15 03 19
	i	04 03
Apr. 15		
OV	e	17 05 27

Date and Station		Phase (GCT) h m s
Apr. 15		
OV	e	20 16 21
PF	eP	20 16 19
Apr. 15		
LOG	e	20 54 28
	e	55 18
	eL	55 42
OV	eP	20 53 00
	iP	53 01
PF	e	20 52 57
Apr. 15		
OV	e	22 43 35
Apr. 15		
OV	e	22 52 07
Apr. 16, H = 00 38 01* 56°N, 152°W. Off coast of southern Alaska.		
COL	eP	00 40 11
	i	40 19
	i	40 25
	e	41 08
	e(S)	41 20
	eL	41 47
HH	eP	00 43 17
	i	43 21
	i	43 26
SH	eP	00 43 22
SEA	eL	01 11 38
Apr. 16		
BC	eP	02 44 30
Apr. 16		
COL	eP	03 10 23
Apr. 16		
COL	eP	04 12 36
HH	eP	04 11 56
Apr. 16		
BC	eP	06 43 54

Date and Station		Phase (GCT) h m s
Apr. 16, cont.		
HH	iP	06 44 29
OV	iP	06 43 58
PF	iP	06 43 58
	i	44 51
SH	iP	06 43 33
Apr. 16		
HH	e	07 34 07
PF	eP	07 34 16
	i	34 18
	e	35 18
SH	e	07 34 09
	e	34 15
Apr. 16		
OV	iP	07 45 11
Apr. 16		
COL	e	09 05 38
	e	05 47
	iL	06 32
HH	eP	09 05 58
	e	06 05
OV	eP	09 07 06
PF	eP	09 07 11
	e	07 16
SH	iP	09 05 58
Apr. 16		
BER	eL	10 12 30
HH	e	10 14 15
OV	iP	10 14 36
PF	e	10 14 20
SH	eP	10 15 06
TUC	e	10 14 18
	e	15 35

Date and Station		Phase (GCT) h m s
Apr. 16		
HH	e	10 51 52
PF	e	10 52 48
SH	e	10 51 45
Apr. 16		
OV	e	18 05 17
	i	05 18
Apr. 16		
OV	e	18 22 05
Apr. 16		
BC	eP	18 35 37
	e	35 46
HH	eP	18 36 10
	iP	36 11
OV	iP	18 35 41
	i	37 09
PF	eP	18 35 40
	i	35 45
SH	iP	18 35 24
Apr. 17		
HH	eP	00 06 02
	iP	06 03
Apr. 17, H = 00 41 50** West-central Argentina. h = about 100 km.		
BER	eS	01 01 00
BC	eP	00 53 57
	epP	54 26
HUAN	eP	00 46 29
	ipP	46 57
	iS	50 10
	eL	52 12
HH	eP	00 54 43
	epP	55 10
	epPP	58 53

Date and Station		Phase (GCT) h m s
Apr. 17, cont.		
LOG	eP	00 54 09
	ipP	54 38
	e(PP)	57 40
OV	eP	00 53 58
	iP	53 59
	ipP	54 29
PF	iP	00 53 56
	epP	54 25
	esP	54 36
	epPP	57 36
SJ	e	00 51 15
	e	54 04
	eS	57 40
	eL	01 01 47
SH	iP	00 54 32
	ipP	55 04
TUC	eP	00 53 29
	ipP	53 59
Apr. 17, H = 02 25 35* 16°S, 69°W. Western Bolivia. h = about 200 km.		
BC	iP	02 36 10
	e	37 01
HUAN	iP	02 27 18
	e	27 58
HH	eP	02 36 58
OV	eP	02 36 11
	iP	36 12
	i	37 03
PF	iP	02 36 07
	e	36 58
SH	eP	02 36 52
Apr. 17		
HH	eP	03 11 28
PF	eP	03 11 38
	e	11 56

Date and Station		Phase (GCT) h m s
Apr. 17, cont.		
TUC	eP	03 11 45
Apr. 17		
TUC	eP	05 37 23
Apr. 17		
TUC	eP	06 11 53
Apr. 17		
HH	iP	06 27 33
SH	iP	06 27 37
Apr. 17		
COL	iP	06 52 37
	i	53 31
Apr. 17		
COL	iP	07 42 34
	i	42 35
	i	43 16
	iL	44 03
Apr. 17		
TUC	e	10 03 02
Apr. 17		
OV	eP	14 54 07
	i(S)	54 49
	i	54 53
PF	e	14 53 00
TUC	e	14 53 23
	i	53 39
	i	53 52
	eS	54 14
	i	54 24
	iL	54 37
Apr. 17, H = 15 24 03* 52°N, 175°W. Andreanof Islands, Aleutian Islands.		
BC	eP	15 32 19
	e	32 30
COL	eP	15 23 28
	i	28 44

Date and Station		Phase (GCT) h m s
Apr. 17, cont.		
HH	eP	15 31 25
	iP	31 26
OV	iP	15 32 19
PF	iP	15 32 23
	e	32 35
SH	eP	15 31 19
TUC	eP	15 32 56
Apr. 17, H = 15 27 35* Andreanof Islands, Aleutian Islands.		
BC	eP	15 35 51
COL	eP	15 31 59
	e	32 14
HH	iP	15 34 57
OV	iP	15 35 50
PF	iP	15 35 54
	i	36 00
SH	iP	15 34 51
TUC	eP	15 36 27
Apr. 17		
BC	iP	15 50 15
	e	51 03
OV	iP	15 50 15
	i	51 03
PF	eP	15 49 57
	e	51 15
Apr. 17		
COL	iP	16 25 12
	e	25 40
Apr. 17, H = 17 33 00** Fiji Islands region.		
BC	iP	17 45 43

Date and Station		Phase (GCT) h m s
Apr. 17, cont.		
COL	iP	17 45 05
	e	45 22
HH	iP	17 45 15
OV	iP	17 44 46
PF	iP	17 44 46
SH	iP	17 44 28
TUC	iP	17 44 49
Apr. 17		
TUC	iP	20 35 13
Apr. 18		
BC	eP	00 52 15
COL	eP'	00 53 12
	iP'	53 18
HUAN	eP	00 43 22
	e(pP)	43 49
	eS	51 07
	eL	57 36
HH	iP'	00 52 30
OV	eP'	00 52 17
	iP'	52 18
PF	eP'	00 52 15
	iP'	52 16
	e(PPP)	55 36
SJ	e	00 46 52
	e	47 28
	e(PP)	48 50
	eS	55 36
	ePS	56 38
	eSS	01 00 41
	eL	05 14
SH	eP'	00 52 25
	iP'	52 29
	i(PPP)	55 51
TUC	iP'	00 52 07
	e	52 38

Date and Station		Phase (GCT) h m s
Apr. 18		
BC	e	00 55 37
COL	e	00 55 39
HH	i	00 55 34
PF	e	00 55 36
SH	i	00 55 51
TUC	e	00 55 28
Apr. 18		
BC	e	01 02 39
HH	e	01 05 21
OV	eP	01 02 41
	iP	02 42
	e	05 37
SH	e	01 02 10
TUC	eP	01 02 59
	i	03 06
Apr. 18		
COL	eP	03 32 59
	e	33 02
Apr. 18		
COL	eP	05 24 35
	e	24 56
Apr. 18		
OV	iP	10 53 33
Apr. 18		
BC	eP	12 10 11
	e	10 43
HH	iP	12 10 59
	e	11 32
	e	11 55
OV	eP	12 10 13
	iP	10 14
PF	eP	12 10 40
SH	iP	12 10 53

Date and Station		Phase (GCT) h m s
Apr. 18		
COL	eP	15 51 19
Apr. 18		
OV	eP	17 16 52
Apr. 18		
PF	iP	21 30 26
	i	31 02
TUC	iP	21 29 58
	e	30 34
SH	iP	21 32 09
Apr. 18, H = 21 34 49* 15½°S, 173½°W. Samoa Islands region. Felt. h = about 100 km. Mag. about 7.		
BER	eL	22 03 40
BC	iP	21 46 28
	ePcP	46 38
HONO	iP	21 42 19
	i(pP)	42 30
	iPP	43 53
	epPP	44 36
	eS	48 35
	eL	51 13
HH	iP	21 47 06
	eP'P'	22 13 33
	i	13 46
LOG	iP	21 46 53
	i(pP)	47 11
	e	49 04
	e(S)	57 17
	eL	22 12 05
OV	iP	21 30 30
PHIL	eSKS	21 59 36
	eSP	22 02 36
	eL	20 37
PF	iP	21 46 31
	e	49 56

Date and Station		Phase (GCT) h m s
Apr. 18, cont.		
SLC	iP	21 46 22
	e	49 42
	e(S)	55 50
	e(PS)	56 40
	eL	22 11 08
SH	iP	21 46 15
TUC	iP	21 46 33
	epP	46 46
	e(sP)	46 54
	i	48 27
	ePP	49 21
	esPP	50 13
	eS	56 03
	eL	22 08 42
Apr. 18		
OV	eP	22 18 01
Apr. 19		
COL	e(P)	00 35 19
HH	iP	00 37 59
OV	eP	00 38 53
	iP	38 54
PF	iP	00 38 56
	e	39 13
SH	iP	00 37 51
	i	38 07
TUC	iP	00 39 32
	ipP	39 49
Apr. 19		
HH	iP	01 36 17
PF	eP	01 34 39
SH	iP	01 35 35
Apr. 19		
COL	eP	04 22 22
	eS	22 51
	eL	23 06
Apr. 19		
OV	iP	10 29 16

Date and Station		Phase (GCT) h m s
Apr. 19		
COL	e	13 50 58
Apr. 19		
BC	eP	14 47 43
HH	iP	14 48 36
	e	49 03
OV	eP	14 47 43
	iP	47 44
SH	i(P)	14 48 33
Apr. 19, H = 15 19 11* 48°N, 154°E. Kurile Islands region. h = slightly greater than normal. Mag. 6½		
BC	iP	15 29 53
	i	29 06
	i	29 15
CHI	e(S)	15 40 48
	e(L)	49 23
COL	iP	15 26 02
	i	26 14
	i(PP)	27 43
	iS	31 27
	i	31 49
	eL	34 09
	i(ScS)	36 42
HONO	eL	15 41 04
HH	iP	15 29 01
LOG	iP	15 29 32
	i	29 49
	i	30 08
OV	iP	15 29 52
	i	30 05
PHIL	eS	15 41 43
	eL	58 40
PF	iP	15 29 55
	epP	30 08
	e(PP)	32 57
	e	33 39

Date and Station		Phase (GCT)
		h m s
Apr. 19, cont.		
PF, cont.		
	e(PPP)	15 34 16
	eS	38 35
RC	iP	15(29 18)
	i	(29 30)
	ePP	(31 55)
	eS	(38 04)
	i	(38 25)
	eL	(45 46)
SH	iP	15 29 01
	i	29 14
SIT	iP	15 27 06
	i	27 15
	iPP	28 48
	iS	33 25
	i	33 45
	eL	36 41
TUC	iP	15 30 24
	i	30 36
	e	32 30
	eS	39 32
	eL	51 05
Apr. 19		
OV	eP	15 58 39
Apr. 19, H = 17 02 03* 43½°N, 142°E. Near west coast of Hokkaido, Japan. Felt.		
BC	iP	17 13 46
COL	iP	17 10 12
HH	iP	17 12 59
OV	iP	17 13 46
PF	eP	17 13 47
	i	13 48
SH	iP	17 12 59
TUC	eP	17 14 14
	eL	45 04

Date and Station		Phase (GCT)
		h m s
Apr. 19		
HH	eP	17 41 18
Apr. 19, H = 17 59 53* 6°S, 154½°E. Solomon Islands. h = slightly greater than normal.		
BC	iP	18 13 13
	e	13 22
COL	iP	18 12 17
	i	12 40
HH	eP	18 13 18
OV	eP	18 13 15
	iP	13 16
PF	iP	18 13 17
RC	eL	18(49 55)
SH	iP	18 12 48
	e	13 02
Apr. 19		
HH	eP	18 30 12
SH	eP	18 30 06
Apr. 19		
HH	eP	21 46 42
	iP	46 43
OV	eP	21 46 01
	i	46 44
Apr. 19		
COL	eP	23 46 05
HH	eP	23 45 38
	e	45 45
	i	45 58
PF	iP	23 46 34
SH	iP	23 44 14
	i	48 43
TUC	eP	23 47 08

Date and Station		Phase (GCT)
		h m s
Apr. 20, H = 03 29 01* 38½°S, 72½°W. Central Chile. Destructive in Angol and Traiguen. 57 killed, extensive property damage. h = 70 km. Mag. 7.4		
BH	eP	03 37 36
	e(S)	44 48
BER	eP	03 40 26
	ipP	40 42
	iPP	43 10
	e(PPP)	45 09
	iS	49 34
	e(SS)	54 00
	eSSS	57 30
	eL	04 03 30
T_P = 6 sec. A = 0.6 mm.		
T_{PP} = 9 sec. A = 2.5 mm.		
T_S = 15 sec. A = 7.0 mm.		
T_L = 23 sec. A_{max} = 3.2 mm.		
T_L = 20 sec. A = 2.0 mm.		
BC	iP	03 41 28
	e(pP)	41 44
	eS	51 46
	ePKKP	59 51
BOZ	eP	03 42 01
	epP	42 38
	eSKS	52 21
	iS	52 50
	i(sS)	53 19
	eSS	58 20
	eL	04 08 33
BUT	eP	03 42 07
	e	43 09
	e(PP)	46 03
	eSKS	52 31
	e	53 22
	e(SS)	58 26
	eL	04 02 17
CHI	eP	03 41 08
	iP	41 13
	ipP	41 27
	iS	51 08
	isS	51 36
	e	54 48

Date and Station		Phase (GCT) h m s
Apr. 20, cont.		
CHI, cont.		
	eSS	03 56 27
	eL	04 02 26
	iSKPP'	11 21
COL	eP	03 44 05
	eP'	47 46
	ipP'	48 05
	esP'	48 30
	ePP	49 05
	ipPP	49 24
	eSKS	54 28
	e(S)	56 37
	eSP	58 38
	eSS	04 05 04
	esSS	05 41
	eL	16 20
COLU	eP	03 40 25
	e	41 24
	ePP	43 10
	ePPP	45 06
	eS	49 34
	e(PS)	50 28
	e(SS)	54 17
	eL	58 43
HONO	e(PP)	03 47 09
	ePPP	48 43
	eSKS	52 53
	eSKKS	53 16
	e(S)	53 46
	e(sS)	54 26
	e	56 04
	eSS	04 01 15
	eSSS	04 15
	eL	14 25
T_L max. = 28 sec. A = 3 mm.		
T_L = 20 sec. A = 3 mm.		
HUAN	eP	03 34 36
	iP	34 38
	ipP	34 54
	iS	39 15
	iL	43 20
HH	iP	03 42 15
	epP	42 36
	ePKKP	04 00 03

Date and Station		Phase (GCT) h m s
Apr. 20, cont.		
LIN	eP	03 41 07
	ipP	41 36
	ePP	44 33
	iS	51 12
	isS	51 40
	eSS	56 20
	eL	04 03 30
OV	iP	03 41 30
	eP'P'	04 07 53
PHIL	iP	03 40 57
	e(pP)	41 12
	e	43 33
	iS	50 41
	eL	04 02 00
PF	iP	03 41 27
	eS	51 42
	isS	52 10
RC	eP	03(41 23)
	i(pP)	(41 35)
	e(PP)	(44 43)
	e(PPP)	(47 13)
	iSKS	(51 37)
	iS	(51 57)
	e(SS)	(57 37)
	eSSS	04(01 11)
SJ	eP	03 38 43
	i	38 55
	iPP	41 04
	e(ScP)	43 02
	iS	46 19
	e(SS)	50 02
	i(SS)	50 05
	eL	54 00
SLC	eP	03 41 40
	i(pP)	42 20
	e(PP)	44 52
	e(PPP)	46 55
	eSKS	52 02
	iS	52 10
	isS	52 38
	e(SS)	57 42
	e(SSS)	04 01 47
	eL	04 46

Date and Station		Phase (GCT) h m s
Apr. 20, cont.		
SEA	e	03 42 43
	e(PP)	46 52
	e	47 09
	e(SKS)	53 37
	e(S)	53 55
	e(SP)	55 02
	e(PS)	55 37
	eL	04 03 42
SH	eP	03 41 59
	iP	42 02
	ipP	42 19
SIT	e(P)	03 43 27
	ePP	48 07
	eSKS	54 04
	eS	55 25
	iSP	57 22
	iPS	57 35
	e(SS)	04 03 04
	eSSS	07 23
	eL	14 28
TUC	iP	03 41 01
	ipP	41 19
	i	42 31
	iPP	43 48
	e(PPP)	45 36
	ePKKP	49 52
	eS	50 53
	iS	50 56
	isS	51 17
	iPS	51 49
	eSS	56 05
	esSS	56 40
	eSSS	59 40
	eP'P'	04 00 03
	eL	02 17
	e(SKPP')	08 10
UK	eP	03 42 00
	ePP	45 41
	eSKS	52 48
	iS	53 13
	epS	53 33
	isS	53 43
	e(SS)	58 34
	e(SSS)	04 02 28
	e(L)	06 04

Date and Station		Phase (GCT) h m s
Apr. 20 OV	iP	04 21 33
Apr. 20 PF	e	04 59 52
Apr. 20 COL	e	05 07 28
Apr. 20 HH	eP	06 49 54
	e(S)	51 22
Apr. 20 COL	iP	14 37 30
	i	37 48.5
HH	e	14 39 05
OV	e	14 43 13
Apr. 20 COL	iP	17 29 38
Apr. 20 PF	iP	21 48 43
SH	iP	21 48 27
Apr. 21 HH	iP	02 07 38
PF	eP	02 08 09
SH	eP	02 07 29
Apr. 21 COL	eP	08 30 39
Apr. 21 BC	eP	09 20 52
COL	e	09 24 27
HH	e	09 20 50
PF	eP	09 21 00
SH	eP	09 19 04
TUC	e	09 22 02

Date and Station		Phase (GCT) h m s
Apr. 21 COL	e	09 39 27
Apr. 21 COL	eP	11 22 32
Apr. 21 BC	eP	12 43 51
COL	eP	12 39 47
PF	iP	12 43 50
SH	eP	12 42 53
Apr. 21 COL	eP	14 19 38
Apr. 21 COL	eP	15 03 41
Apr. 21 BC	eP	20 38 04
PF	iP	20 37 54
TUC	iP	20 36 51
	i	36 52
	i	36 59
	eS	37 10
	i	37 12
	i	37 19
	eL	37 33
Apr. 21 TUC	eP	22 41 28
Apr. 22 BC	eP	01 11 32
HH	iP	01 12 49
PF	iP	01 11 28
TUC	eP	01 10 46
Apr. 22, H = 01 02 36** Easter Island region foreshock.		
BC	iP	01 13 58
COL	e(P)	01 16 50

Date and Station		Phase (GCT) h m s
Apr. 22, cont. HONO	eL	01 35 40
HUAN	eP	01 10 22
	e	13 04
	eS	16 39
	eL	21 25
HH	iP	01 15 06
LOG	eP	01 14 31
OV	eP	01 14 03
PF	iP	01 13 58
SJ	eS	01 22 39
	eL	36 16
SH	iP	01 14 14
TUC	eP	01 13 35
	e	21 43
	e	25 11
	eL	35 10
Apr. 22 COL	eP	02 24 12
OV	iP	02 23 36
Apr. 22 SH	iP	03 51 36
Apr. 22 COL	iP	04 55 06
Apr. 22 BC	iP	06 06 28
PF	eP	06 06 27
TUC	eP	06 05 30
Apr. 22 HH	eP	06 50 39
Apr. 22 OV	iP	07 16 48
Apr. 22 COL	eP	07 37 11

Date and Station		Phase (GCT) h m s
Apr. 22		
COL	eP	09 17 20
Apr. 22		
COL	eP	10 09 54
PF	eP	10 09 32
Apr. 22		
OV	eP	14 57 22
Apr. 22, H = 17 17 09* 35°S, 113°W. South Pacific, 550 miles southeast of Easter Island.		
BER	e(P)	17 29 40
	eS	39 40
	eSS	45 15
	eL	51 10
T_L = 20 sec. $A_{max.}$ = 0.5 mm.		
BC	iP	17 28 28
BOZ	eL	17 57 11
BUT	eL	17 57 34
COL	eP	17 31 13
	iP	31 18
	eL	18 05 46
COLU	eL	17 56 10
HONO	eL	17 49 10
HUAN	iP	17 24 54
	e	25 42
	iPP	26 48
	iS	31 12
	eL	33 39
HH	iP	17 29 38
	i	29 44
	i	30 29
LOG	eP	17 29 02
	e(PP)	31 33
	eL	55 06
OV	iP	17 28 32

Date and Station		Phase (GCT) h m s
Apr. 22, cont.		
PHIL	eS	17 39 47
	e	44 24
	eL	54 01
PF	iP	17 28 29
SJ	e(P)	17 28 31
	eS	37 23
	eL	49 38
SLC	e(P)	17 28 58
	e(S)	39 13
	eL	50 35
SH	iP	17 28 58
	i	29 03
	ipP	29 26
SIT	e(SS)	17 47 17
	eL	18 02 34
TUC	iP	17 28 04
	e(pP)	28 35
	i	31 09
	ePPP	32 08
	eS	36 57
	e	37 50
	eL	46 20
UK	eL	17 50 49
Apr. 22		
COL	e	18 33 28
Apr. 22		
COL	eP	18 37 33
Apr. 22		
HH	e	20 10 58
Apr. 22		
BC	iP	21 06 14
PF	iP	21 06 13
	i(S)	07 48
Apr. 22		
COL	e	21 34 27
Apr. 23, H = 00 30 14* 9°S, 73°W. Peru-Brazil border.		

Date and Station		Phase (GCT) h m s
Apr. 23, cont.		
BC	eP	00 40 08
HUAN	iP	00 31 16
	i	31 26
	i	31 33
	i	31 41
	iL	32 40
HH	eP	00 41 12
OV	eP	00 40 20
PF	eP	00 40 15
SH	eP	00 41 05
TUC	eP	00 39 44
Apr. 23		
COL	eP	01 39 52
	i	40 13
Apr. 23		
BC	e	09 19 10
OV	iP	09 19 43
PF	eP	09 19 55
SH	eP	09 19 32
	eS	20(22)
Apr. 23, H = 11 15 30* 7°S, 121°E. Flores Sea. Mag. 7.1		
BC	iP'	11 34 27
	e	34 57
BER	eP'	11 35 50
	i(PP)	39 35
	eSKKS	45 55
	e	50 20
	e	54 30
	eSS	58 18
CHI	ePP	11 37 44
	e	38 25
	eSKS	42 19
	e	47 29
	ePPS	50 31
	eSS	56 01
	e	58 29
	eL	12 13 11

Date and Station		Phase (GCT) h m s
Apr. 23, cont.		
COL	eP	11 29 04
	i	29 18
	e	32 26
	ePP	33 00
	eS	40 37
	e(PKKP)	45 12
	ePSPS	47 45
	eP'P'	53 57
	eL	12 05 47
HONO	eL	11 59 41
HUAN	eP'	11 35 26
	iP'	35 34
	i	36 32
	iPP	39 31
	eSKKS	46 17
	iSKSP	49 42
	ePPS	53 12
	eSS	59 08
	e	12 00 41
	eSSS	05 16
	eL	20 18
HH	iP'	11 34 18
	eP'	34 34
	ePP	35 29
LOG	iP'	11 34 26
	ePP	36 05
	ePPS	47 18
OV	eP'	11 34 27
	iP'	34 29
PHIL	eP'	11 35 08
	i	35 43
	ePP	38 36
	eL	12 19 36
PF	e(P)	11 31 14
	iP'	34 28
	e	35 03
SJ	eP'	11 35 39
	ePP	40 23
	ePPP	44 26
	e	48 36
	e	59 49
	e	12 04 23
	eL	42 25

Date and Station		Phase (GCT) h m s
Apr. 23, cont.		
SH	e	11 30 35
	iP'	34 12
SIT	ePP	11 33 52
	eS	41 35
	ePS	43 08
	eSS	48 52
	e	49 32
	eSSS	53 13
	eL	58 56
TUC	eP'	11 34 34
	iP'	34 49
	iPP	36 29
	e(PS)	45 55
	ePPS	47 59
	e	54 49
	e(L)	12 15 07
UK	ePS	11 44 47
	eL	12 13 54
WASH	iP'	11 35 11
	ePP	38 30
	eSKS	42 24
	e	49 41
	eL	12 28 23
Apr. 23		
HH	eP	11 44 34
PF	e	11 43 48
SH	iP	11 44 43
Apr. 23		
BC	e	15 19 21
	e	20 32
PF	iP	15 19 18
	i(S)	20 32
Apr. 23		
OV	eP	18 31 03
Apr. 24		
BH	eP	01 06 21
	e(S)	06 50
Apr. 24		
HH	iP	03 52 14

Date and Station		Phase (GCT) h m s
Apr. 24		
COL	eP	04 08 54
HH	iP	04 09 23
	i	09 36
Apr. 24		
COL	eP	04 29 02
	e	31 16
Apr. 24, H = 04 22 14* 27°N, 56°E. Persian Gulf, near south coast of Iran. h = about 100 km.		
BC	iP'	04 41 24
BOZ	ePP	04 40 45
	e(SS)	55 15
	eL	05 10 04
BUT	ePP	04 40 50
	eSP	50 06
	e(PPS)	50 58
	e(SS)	55 04
	eL	05 06 45
CHI	eSKS	04 46 54
	eL	05 13 26
COL	iP	04 34 53
	e(PP)	37 56
	e(PPP)	39 53
	eS	45 22
	e	46 04
	eSS	50 52
	eSSS	55 02
	eL	05 09 40
COLU	ePS	04 50 21
	e	58 23
	eL	05 10 41
HUAN	eP'	04 41 30
	e	42 02
	e(PKS)	44 57
	i	45 00
	e(SP)	54 05
	ePPS	56 10
	eSS	05 01 44
	e	07 38
	eL	15 13

Date and Station		Phase (GCT) h m s
Apr. 24, cont.		
HH	eP	04 36 18
LIN	eSKS	04 47 15
	ePS	50 33
	ePPS	51 18
	eL	05 06 22
LOG	eP'	04 40 41
	eSKKS	48 03
	eSP	50 32
	eL	05 11 24
NK	eSKS	04 46 47
	eL	05 18 40
OV	e	04 37 43
	eP'	41 06
PHIL	ePP	04 39 56
	eSKS	46 25
	ePSPS	54 41
	eL	05 09 14
PF	eP'	04 40 56
	ePP	41 46
SJ	ePP	04 40 43
	e	41 08
	eSKS	47 19
	e(S)	49 07
	ePS	50 31
	eSS	55 45
	ePSPS	56 49
	e	05 01 47
	eL	08 47
SH	eP	04 40 41
	iPP	41 34
	i	41 59
SIT	eP	04 35 38
	ePP	39 25
	e(PPP)	41 43
	eSKS	46 07
	eS	47 05
	eSS	53 26
	e(PSPS)	53 50
	e	56 15
	eSSS	57 38
	eL	05 09 07

Date and Station		Phase (GCT) h m s
Apr. 24, cont.		
TUC	eP'	04 41 03
	ePP	42 19
	e(PPP)	44 44
	e	46 54
	e(S)	50 43
	eSP	52 19
	e	54 47
	eL	05 08 00
Apr. 24		
BC	eP	04 51 20
COL	iP	04 52 52
	e(L)	56 32
OV	i	04 51 34
PF	eP	04 51 24
SLC	eL	05 14 12
SEA	eL	05 21 37
SH	eP	04 51 36
TUC	eP	04 51 13
UK	eL	05 17 40
Apr. 24		
COL	eP	08 27 13
Apr. 24		
COL	eP	09 50 52
Apr. 24		
COL	e	13 48 02
Apr. 24		
COL	iP	15 03 30.5
Apr. 24		
BH	iP	15 10 37
	i(S)	11 03
Apr. 24		
HH	eP	16 44 53
PF	iP	16 43 45
SH	iP	16 43 56

Date and Station		Phase (GCT) h m s
Apr. 24, cont.		
TUC	eP	16 43 20
Apr. 24		
BC	eS	18 02 03
PF	e(P)	18 01 16
	e	01 31
	e(S)	02 14
Apr. 24		
OV	e	19 57 06
Apr. 24		
BC	iP	23 06 35
COL	eP	23 04 33
HH	eP	23 06 17
	iP	06 19
PF	eP	23 06 39
SH	eP	23 06 07
Apr. 25		
BC	iP	01 47 59
HH	iP	01 49 13
OV	iP	01 48 01
PF	iP	01 47 55
TUC	iP	01 47 14
	i	47 49
Apr. 25		
BC	eP	04 09 24
HH	iP	04 09 27
OV	i	04 09 27
PF	iP	04 09 27
SH	eP	04 08 56
	iP	08 58

Apr. 25, H = 05 03 00** Prince Edward Island region.

Date and Station		Phase (GCT) h m s
Apr. 25, cont.		
BC	eP'	05 23 32
	e	24 06
COL	eP'	05 23 16
HH	eP'	05 23 21
	e	24 11
PF	eP'	05 23 21
	e	24 04
SH	iP'	05 24 37
	i	24 43
	i	25 22
TUC	eP'	05 23 22
	i	23 46
	e	24 23
	ePP	27 17
Apr. 25		
BC	eP	11 27 28
	i	27 29
HH	iP	11 28 09
OV	eP	11 27 31
	iP	27 32
PF	iP	11 27 27
SH	iP	11 28 08
TUC	iP	11 27 01
	e	27 11
Apr. 25		
COL	e	13 37 00
Apr. 25, H = 13 54 56* 20½°S, 69½°W. Northern Chile. Destructive. h = about 100 km. Mag. 7.5		
BH	iP	14 01 12
	eS	06 12

Date and Station		Phase (GCT) h m s
Apr. 25, cont.		
BER	eP	14 04 00
	e(PP)	05 40
	e(PPP)	06 26
	iS	10 53
	i(sS)	11 12
	iScS	13 40
	eL	16 00
T_P = 15 sec. A = 1.5 mm.		
T_{PP} = 17 sec. A = 1.0 mm.		
T_S = 15 sec. A = 11.0 mm.		
T_L = 19 sec. $A_{max.}$ = 6.5 mm.		
BC	iP	14 06 07
	eS	15 13
	esS	16 00
BOZ	eP	14 06 39
	e(PP)	09 56
	ePPP	11 29
	iS	16 11
	iPS	16 55
	eSS	21 09
	e(sSS)	21 31
	eSSS	24 48
	eL	29 52
BUT	eP	14 06 43
	epP	07 17
	e	10 14
	e(PPP)	11 38
	eS	16 14
	ePS	17 15
	eSS	21 13
	e(SSS)	25 01
	eL	28 20
CHI	iP	14 05 22
	iS	13 42
	i	14 16
	isS	14 32
	i(SS)	18 33
	eL	23 30
COL	iP	14 08 51
	epP	09 18
	iPP	13 00
	epPP	13 34
	e(PPP)	15 37
	eSKS	19 24
	i	21 07

Date and Station		Phase (GCT) h m s
Apr. 25, cont.		
COL, cont.		
	eSP	14 22 11
	eSS	27 31
	eSSS	31 32
	eL	39 55
COLU	eP	14 04 22
	epP	04 47
	e(PcP)	05 21
	eS	11 47
	iS	11 53
	isS	12 35
	iScS	14 01
	i	14 50
	eSS	15 45
	eL	18 07
HONO	eP	14 08 27
	epP	08 54
	e	12 45
	e(S)	19 49
	e	21 56
	e(SS)	26 35
	e(SSS)	30 46
	eL	39 11
$T_{L\ max.}$ = 45 sec. A = 2 mm.		
HUAN	iP	13 57 21
	i	57 23
	iS	59 19
	iL	59 50
HH	iP	14 06 55
	i	06 58
	epP	07 24
	i(PP)	10 31
	eS	16 44
	i(ScS)	17 04
	esS	17 30
LIN	eP	14 05 33
	iP	05 36
	ipP	06 03
	ePP	07 55
	iS	14 08
	isS	14 52
	eSS	18 34
	eL	21 38

Date and Station		Phase (GCT) h m s
Apr. 25, cont.		
LOG	eP	14 06 19
	iP	06 21
	i(pP)	06 59
	iPP	09 18
	e	09 48
	iPPP	10 37
	iS	15 38
	isS	16 13
	i	19 34
	esS	20 31
	iSSS	23 41
	eL	28 00
	eP'P'	34 00
NK	eP	14 05 05
	ipP	05 31
	iS	13 15
	eL	19 40
OV	iP	14 06 08
	i	06 09
	ipP	06 33
	iScS	15 52
	iP'P'	34 07
PF	iP	14 06 05
	ipP	06 39
	eS	15 09
	e(sS)	15 29
	e(ScS)	15 57
RC	iP	14 06(00)
	ipP	06(28)
	e(PP)	09(06)
	e(PPP)	10(30)
	iS	15(06)
	isS	15(50)
	eSS	19(30)
	eSSS	22(38)
	e(L)	23(50)
SLC	eP	14 06 16
	i(pP)	06 57
	e	09 32
	iS	15 34
	e	16 00
	isS	16 10
	e	16 52
	e(sPS)	17 04
	eSS	20 19
	e(SSS)	23 13
	eL	23 46

Date and Station		Phase (GCT) h m s
Apr. 25, cont.		
SJ	iP	14 02 11
	ipP	02 40
	isP	02 56
	iPP	03 28
	iPcP	03 52
	iS	07 50
	iPcS	08 11
	isS	08 56
	iL	10 31
SEA	eP	14 07 20
	ePP	10 24
	eS	17 26
	eSS	22 38
	e	24 40
	eSSS	25 50
	eL	32 23
SH	eP	14 06 49
	e	10 36
	eS	16 22
SIT	eP	14 08 12
	ePP	12 05
	isPP	12 42
	ePPP	14 05
	eSKS	18 39
	iSKS	18 43
	iS	19 14
	iSP	20 35
	eSS	25 24
	isSS	26 32
	iSSS	29 25
	eL	33 43
TUC	eP	14 05 36
	iP	05 38
	ipP	06 01
	esP	06 12
	ePP	08 20
	epPP	08 37
	i(PPP)	10 06
	e	13 25
	eS	14 13
	isS	14 57
	eScS	15 13
	iL	22 03
	eP'P'	34 15

Date and Station		Phase (GCT) h m s
Apr. 25, cont.		
UK	eP	14 06 50
	ePP	10 12
	e(pPP)	10 25
	ePPP	12 17
	eS	16 35
	eScS	16 55
	ePS	17 55
	eSS	21 46
	e(SSS)	25 51
	eL	28 52
WASH	iP	14 04 54
	ipP	05 22
	eS	12 54
	e(sS)	13 44
	eL	23 30
Apr. 25		
COL	eP	15 56 42
TUC	iP	15 57 23
	e	58 45
Apr. 25		
BER	eL	20 33 20
COL	eP	19 38 03
	iP	38 04
	eS	48 20
	e	54 44
	eL	20 08 02
HONO	eL	19 55 07
HUAN	ePKS	19 49 12
	e	55 07
	e	55 23
	ePSPS	20 06 30
	eL	22 36
HH	eP	19 39 19
	e	39 22
OV	eP	19 39 34
	e(PP)	42 44
PHIL	e(SS)	20 03 44
	eL	24 47
PF	iP	19 39 39
SLC	eL	20 12 27

Date and Station		Phase (GCT)
		h m s
Apr. 25, cont.		
SH	eP	19 38 54
SIT	e(S)	19 49 10
	eL	20 04 30
TUC	e	19 43 12
Apr. 25		
OV	eP	20 34 13
TUC	eP	20 33 09
Apr. 25		
COL	eP	21 00 25
Apr. 25		
SH	iP	22 23 26
	i(S)	24 01
Apr. 25		
COL	eP	23 16 06
Apr. 25, H = 23 09 14* 38½°N, 38°E. Central Turkey.		
HH	iP	23 22 15
Apr. 26, H = 10 11 38* 11°S, 166°E. Santa Cruz Islands region. h = about 60 km.		
BC	eP	10 24 24
	e(pP)	24 38
	e	38 03
COL	iP	10 24 01
	i(pP)	24 15
	eL	53 00
HUAN	ePS	10 41 15
	eSS	47 32
	eL	11 05 35
HH	eP	10 24 40
	iP	24 42
	i(pP)	25 02
	eSS	42 01
LOG	eP	10 24 39
	eL	54 10

Date and Station		Phase (GCT)
		h m s
Apr. 26, cont.		
OV	eP	10 24 27
	iP	24 28
PHIL	eL	11 06 49
PF	iP	10 24 28
	i	27 34
	e(PKKP)	42 09.5
SH	iP	10 24 04
	epP	27 31
TUC	eP	10 24 37
	e(pP)	24 50
	e	27 09
	eL	52 39
Apr. 26		
COL	e	12 00 45
Apr. 26		
COL	eP	14 24 41
Apr. 26		
HH	iP	14 32 50
	i	33 39
SH	iP	14 32 49
Apr. 26		
OV	iP	15 42 41
Apr. 26		
PF	iP	18 34 16
TUC	eP	18 34 20
Apr. 26		
BH	iP	19 45 08
	i(S)	45 33
Apr. 26		
HH	iP	20 03 59
Apr. 26		
BC	eP	20 08 45
HH	eP	20 09 31
	i	09 41
OV	eP	20 08 50
	iP	08 51

Date and Station		Phase (GCT)
		h m s
Apr. 26, cont.		
PF	iP	20 08 44
SH	e	20 08 56
TUC	eP	20 08 17
Apr. 26		
BC	eP	22 09 22
HH	eP	22 09 12
PF	eP	22 09 21
	i	09 22
SH	e	22 09 18
Apr. 27		
OV	eP	00 56 34
Apr. 27		
HH	eP	03 47 09
Apr. 27		
BH	iP	04 01 47
	e	02 28
Apr. 27, H = 04 17 26** Western Venezuela.		
HUAN	eP	04 22 16
	e	26 38
	eL	28 57
HH	eP	04 26 51
Apr. 27		
TUC	e	06 29 44
	e	30 16
Apr. 27		
SH	eP	06 39 00
Apr. 27		
COL	eP	16 05 53
Apr. 27		
COL	e	16 12 17
	e	12 23
Apr. 27		
COL	e	16 15 47

Date and Station		Phase (GCT)
		h m s
Apr. 27		
COL	eP	16 19 02
Apr. 27		
COL	e	16 37 53
Apr. 27		
COL	eP	18 04 19
Apr. 27		
BC	eP	23 44 43
	e	45 00
HH	eP	23 44 16
	i	44 32
PF	iP	23 44 46
	i	45 03
SH	iP	23 44 04
	i	44 20
Apr. 28		
BC	e	00 04 06
COL	eP	00 08 29
HH	eP	00 05 25
	i	05 32
PF	eP	00 04 03
	i	04 11
SH	iP	00 05 35
TUC	eP	00 03 21
	e	07 22
	e	08 08
Apr. 28		
HH	iP	01 29 29
Apr. 28		
OV	eP	01 37 53
	iP	37 54
	i(S)	41 56
Apr. 28, H = 01 30 07** Off south coast of Sumatra.		

Date and Station		Phase (GCT)
		h m s
Apr. 28, cont.		
BC	eP	01 49 24
	i	49 40
	e	49 51
COL	eP	01 48 19
HH	iP	01 49 10
	e(pP)	49 25
PF	eP	01 49 25
	i	49 40
	i	49 52
	e	51 55
SH	iP	01 49 10
	i	49 20
TUC	e	01 49 36
	e	53 07
Apr. 28		
HUAN	eP	05 26 41
	iP	26 45
	iS	27 42
	iL	28 00
Apr. 28		
TUC	eP	10 29 07
	e	29 26
Apr. 28		
HH	iP	10 43 08
	e(pP)	43 21
SH	iP	10 43 06
Apr. 28		
COL	iP	16 11 19
Apr. 28		
COL	eP	17 55 35
	e	55 57
Apr. 28		
COL	eP	19 07 26
Apr. 28		
BC	i	20 45 59
COL	iP	20 42 02

Date and Station		Phase (GCT)
		h m s
Apr. 28, cont.		
HH	iP	20 45 04
OV	eP	20 45 59
PF	iP	20 46 01
SH	iP	20 45 09
Apr. 28		
BC	i	20 52 57
HH	e	20 52 09
PF	iP	20 53 00
SH	iP	20 52 24
Apr. 28		
COL	eP	21 07 46
	e	08 29
Apr. 28		
COL	eP	21 17 11
Apr. 29		
COL	eP	03 29 37
	iP	29 38
	i	29 45
	eS	30 36
	eL	30 55
Apr. 29		
COL	eP	09 32 54
Apr. 29		
COL	eP	12 38 31
HH	eP	12 40 55
	i	41 15
SH	iP	12 40 53
	e	41 01
TUC	eP	12 41 55
Apr. 29		
PF	iP	17 43 40
SH	i(P)	17 43 27
TUC	eP	17 43 42

Date and Station		Phase (GCT) h m s
Apr. 29		
BC	eP	20 27 58
PF	eP	20 28 03
TUC	eP	20 28 21
Apr. 29		
COL	eP	20 49 21
Apr. 29		
COL	eP	22 31 16
	e	31 39
Apr. 29		
COL	iP	23 13 59
	iL	14 15
Apr. 30		
BC	eP	01 18 07
Apr. 30, H = 01 23 32* 6°N, 125½°E. Near south coast of Mindanao, Philippine Islands. h = about 130 km. Mag. 7.3		
BH	eP'	01 43 07
BER	eP'	01 42 40
	ePP	45 53
	epPP	46 20
	iSKS	49 58
	e	50 15
	iSS	02 04 00
	eSSS	08 52
	eL	23 55
T_{SS} = 15 sec. A = 3.3 mm. T_L = 19 sec. $A_{max.}$ = 1.5 mm.		
BC	eP	01 37 53
	epP	38 23
BOZ	e	01 38 19
	eP'	41 30
	e	42 42
	e(pPPP)	45 20
	iSKS	48 14
	eS	49 10
	ePS	51 21

Date and Station		Phase (GCT) h m s
Apr. 30, cont.		
BOZ, cont.		
	epPS	01 52 11
	e	54 23
	eSS	57 14
	esSS	58 27
	eL	02 08 02
BUT	eP	01 37 30
	epP	38 11
	eP'	41 29
	iSKS	48 10
	i(S)	49 01
	eSP	51 11
	epPS	52 01
	eSS	57 11
	eSSS	02 01 31
	eL	08 18
CHI	eP'	01 42 21
	e(PP)	44 07
	i(pPP)	44 42
	i	46 01
	iSKS	49 09
	i(S)	50 47
	eSP	53 32
	ePS	53 54
	e(SS)	02 00 42
	i(SSS)	03 52
	eL	16 35
COL	iP	01 35 45
	i	36 20
	i	38 30
	iPP	39 03
	e(PPP)	40 42
	e(S)	45 28
	iS	45 52
	esS	46 40
	eSS	51 18
	eL	59 29
COLU	ePP	01 45 06
	i(PKS)	46 09
	e(pPKS)	46 39
	e	51 45
	eSS	02 02 05
	eSSS	07 47
	eL	18 34

Date and Station		Phase (GCT) h m s
Apr. 30, cont.		
HONO	eP	01 35 08
	epP	35 38
	e(sP)	36 10
	e(PP)	38 10
	ePPP	39 36
	i(S)	44 35
	esS	45 05
	eSS	49 13
	esSS	50 22
	eL	54 46
T_S = 12 sec. A = 11 mm. T_L max.= 20 sec. A = 3½ mm.		
HUAN	eP'	01 42 21
	i	43 26
	i	45 25
	iPP	47 18
	i(sPP)	49 12
	i(PPP)	50 47
	iSKKS	53 15
	i	58 02
	i	02 00 12
	iSS	07 00
	eL	25 35
HH	iP	01 37 27
	ipP	38 09
	iPKKP	53 08
LIN	eP'	01 42 00
	epP'	42 49
	e(PP)	46 38
	eSP	52 43
	eL	02 12 07
LOG	eP	01 37 49
	e(P')	41 19
	ePP	42 20
	ipPP	43 13
	eSKS	48 16
	e	50 34
	eSP	51 26
	eSPP	52 22
	e(SSS)	02 01 08
	eL	08 33
PHIL	eP'	01 42 35
	e(PP)	45 18
	isPP	46 00
	i	46 30

Date and Station		Phase (GCT) h m s
Apr. 30, cont.		
PHIL, cont.		
	e(SKKS)	01 51 28
	e	54 35
	eSS	02 02 02
	eSSS	07 55
	eL	18 22
PF	eP	01 37 51
SLC	eP	01 37 48
	ePP	42 06
	e(pPP)	43 10
	eSKS	48 12
	i	48 23
	eSKKS	48 44
	eSP	51 35
	epPS	52 26
	esPS	53 05
	eSS	57 15
	e(SSS)	57 20
	eL	02 08 43
SJ	eP'	01 43 15
	epP'	43 50
	i(sP')	44 28
	ePP	46 53
	e(PPP)	51 07
	e(PSKS)	57 11
	e(PS)	58 00
	e(SS)	02 06 36
	eSSS	12 25
	eL	28 43
SEA	e	01 38 03
	e	42 02
	e(SKS)	47 30
	e	54 28
	e	02 00 07
	eL	06 36
SH	iP	01 37 16
	ePKKP	52 58
	iPKKP	53 22
SIT	iP	01 36 24
	ipP	36 56
	i(PP)	40 28
	e(pPP)	40 45
	ePPP	42 08
	e(pPPP)	42 24

Date and Station		Phase (GCT) h m s
Apr. 30, cont.		
SIT, cont.		
	i(SKS)	01 46 42
	i(S)	47 06
	eSS	52 35
	i	53 25
	eSSS	56 30
	eL	02 04 14
TUC	eP	01 38 05
	epP	38 44
	iP'	42 05
	iPP	42 45
	epPP	43 33
	esPP	44 15
	ePPP	45 24
	e	47 55
	iSKS	48 28
	iS	49 52
	iSP	52 17
	iPKKP	52 53
	e(PS)	52 55
	i	56 43
	e(SS)	58 05
	eSSS	02 02 48
	eL	09 05
UK	e	01 38 54
	ePP	41 09
	e	42 47
	e	44 17
	i(SKS)	47 51
	ePS	50 25
	eSS	55 36
	eL	02 04 43
WASH	iP'	01 42 32
	i	45 45
	e	54 33
	eL	02 41 30
Apr. 30		
OV	iP	03 05 11
Apr. 30, H = 03 08 21* 27°N, 47°W. North Atlantic Ocean.		
COL	eP	03 19 36
HH	iP	03 18 16

Date and Station		Phase (GCT) h m s
Apr. 30, cont.		
OV	eP	03 18 06
	iP	18 09
PF	iP	03 18 03
SH	eP	03 18 40
	iP	18 42
TUC	e	03 17 49
Apr. 30		
BC	iP	03 25 07
HH	iP	03 25 13
PF	iP	03 25 10
SH	iP	03 24 57
TUC	iP	03 25 12
Apr. 30		
COL	eP	06 31 50
Apr. 30		
COL	iP	10 28 18
Apr. 30		
COL	eP	12 41 37
Apr. 30		
BC	iP	13 08 54
COL	iP	13 08 19
	e	08 40
HH	iP	13 09 00
OV	eP	13 08 51
	iP	08 52
PF	iP	13 08 56
SH	iP	13 08 41
TUC	iP	13 09 00
Apr. 30		
COL	iP	15 27 36
	i	28 01

Date and Station		Phase (GCT)
		h m s
Apr. 30		
COL	eP	16 50 22
Apr. 30		
TUC	iP	22 08 13
	eS	08 28
	iS	08 31
	eL	08 36
May 1		
BH	eP	00 22 42
	eS	23 26
May 1		
COL	eP	03 14 36
May 1		
COL	eP	04 16 03
	i	16 11
	eS	16 57
	eL	17 11
May 1		
COL	iP	05 33 06
	i(S)	33 53
	iL	34 22
May 1		
COL	iP	09 45 25.5
	i(S)	46 14
	i	46 25
	eL	46 46
May 1		
COL	eP	11 56 00
OV	e	11 55 31
May 1		
COL	eP	12 01 28
May 1		
HUAN	e	19 34 02
	e	37 22
May 1		
COL	eP	23 19 06
May 2, H = 00 26 08 By PAS, 31.8°N, 115.0°W. Head of Gulf of California. Mag. 4.1		

Date and Station		Phase (GCT)
		h m s
May 2, cont.		
OV	eP	00 27 14
	i	27 18
	i(S)	28 32
PF	iP	00 27 09
	i	27 13
	i	27 21
	iL	28 13
TUC	e	00 27 05
	i	27 13
	i(S)	27 43
	i	27 50
	i	28 06
	iL	28 34
May 2		
OV	e	00 36 48
May 2		
BC	iP'	05 53 39
COL	e	05 52 41
	e	53 01
HH	iP'	05 53 26
	e	55 34
	e	56 10
LOG	eP'	05 54 36
	e	57 04
OV	iP'	05 53 40
	i	55 48
	i	56 09
PF	eP'	05 53 39
	i(pP')	56 10
SH	iP'	05 53 24
TUC	eP'	05 53 37
	iP'	53 49
	e	56 25
May 2		
COL	eP	06 05 48
	e	06 24
May 2		
OV	iP	07 02 09

Date and Station		Phase (GCT)
		h m s
May 2, H = 11 24 58 By PAS, 34°01'N, 115°46'W. Pinto Basin, Calif., foreshock. Mag. 4.0		
BC	iP	11 25 36
	i	25 40
	i	25 46
	iS	26 12
PF	iP	11 25 41
	i	25 44
TUC	eP	11 26 06
	i	26 12
	i	26 24
	iL	27 05
May 2, H = 11 25 47 By PAS, 34°01'N, 115°41'W. Pinto Basin, Calif. Mag. 5.9		
BC	iP	11 26 28
BOZ	e(P)	11 29 07
	eL	32 10
BUT	eL	11 33 50
CHI	eP	11 31 03
	eS	35 21
	eL	36 20
COL	e	11 33 39
	i(PP)	34 00
	e	39 32
	eL	45 42
COLU	eL	11 40 25
HH	eP	11 29 16
	i	29 35
	eL	32 24
LIN	eP	11 29 54
	e(L)	34 37
LOG	eP	11 27 51
	i	28 26
	e(S)	29 33
	iL	30 15

Date and Station		Phase (GCT)
		h m s
May 2, cont.		
PHIL	eL	11 42 52
PF	iP	11 26 33
SLC	eP	11 27 44
	e	28 34
	iS	28 52
	eL	29 48
SEA	eL	11 33 28
SH	eP	11 27 57
	eL	30 14
SIT	e(S)	11 36 24
	eL	38 32
TUC	iP	11 26 54
	i	27 10
	i(S)	27 28
	i	27 50
	i(L)	28 10
UK	e(P)	11 28 08
	e	28 32
	e(S)	29 27
	e	29 38
	eL	30 08
WASH	eL	11 42 11
May 2		
BC	e	13 00 46
COL	eP	12 58 53
HH	i(P)	12 58 02
PF	iP	12 57 33
TUC	iP	12 57 36
May 2, H = 13 27 05 By PAS, 34°01'N, 115°41'W. Pinto Basin, Calif., aftershock. Mag. 3.8		
BC	eP	13 27 18

Date and Station		Phase (GCT)
		h m s
May 2, cont.		
OV	eP	13 27 30
	i	28 20
	i	28 39
PF	iP	13 27 25
May 2		
COL	iP	13 35 25
May 2, H = 14 35 21 By PAS, 34°01'N, 115°41'W. Pinto Basin, Calif., aftershock. Mag. 4.2		
BC	iP	14 35 58
	i	36 03
	e(S)	36 24
OV	i	14 36 07
PF	eP	14 36 04
May 2		
HONO	e(P)	15 01 27
	e	01 35
	i(S)	01 58
	iL	02 15
OV	e	15 08 27
May 2		
OV	e	16 05 39
	e	06 12
May 2		
OV	i	17 50 50
May 2		
OV	eP	18 03 29
May 2		
OV	eP	18 11 30
	i	12 13
May 2, H = 18 41 03 By PAS, 34°01'N, 115°41'W. Pinto Basin, Calif., aftershock. Mag. 4.2		

Date and Station		Phase (GCT)
		h m s
May 2, cont.		
OV	i	18 41 51
May 2		
HH	iP	23 33 48
TUC	eP	23 31 28
May 3, H = 05 56 44* 49°N, 153½°E. Kurile Islands. h = about 150 km. Mag. 7		
BER	e	06 10 30
	e	16 38
	eS	20 32
	iS	20 35
	esS	21 33
	isS	21 38
	eSS	26 30
	eSSS	30 40
	eL	34 15
T_S = 11 sec. A = 1.0 mm.		
BOZ	eP	06 06 45
	epP	07 18
	e(PP)	09 36
	iS	14 53
	esS	15 46
	eSS	18 49
	eL	22 01
BUT	eP	06 06 38
	epP	07 12
	eS	14 43
	e(ScS)	16 16
	e	19 25
	eL	26 08
CHI	e	06 08 48
	e	11 36
	eS	17 28
	iScS	18 11
	e(SS)	22 18
	eL	26 15
COL	iP	06 03 22
	i	03 52
	i(PP)	04 30
	iS	08 42
	isS	09 39
	e	10 37
	eL	11 16

Date and Station		Phase (GCT) h m s
May 3, cont.		
COLU	eS	06 19 10
	e	21 18
	eL	35 20
HONO	iP	06 05 06
	i(pP)	05 33
	esP	05 57
	iPcP	06 47
	e(PP)	07 12
	e(pPP)	07 38
	e(PPP)	08 23
	i(PcS)	10 48
	eS	11 55
	eL	16 18
HH	iP	06 06 22
	eS	14 08
LOG	iP	06 07 00
	ipP	07 33
	iPP	09 20
	ipPP	09 39
	eS	15 13
	e(P'P')	35 48
OV	iP	06 07 13
PHIL	e	06 09 24
	eS	18 48
	eSS	24 18
	eL	35 48
PF	iP	06 07 17
	iPP	09 42
SLC	eP	06 07 01
	iP	07 02
	ePP	09 29
	ePPP	10 58
	iS	15 27
	esS	16 24
	eSS	20 00
	eL	23 05
SJ	e	06 15 32
	iSKS	21 03
	i(S)	22 13
	i(sS)	23 33
	ePS	24 21
	e(PPS)	25 38
	iSS	29 35

Date and Station		Phase (GCT) h m s
May 3, cont.		
SJ, cont.		
	e(SSS)	06 33 16
	eL	51 48
SH	iP	06 06 23
SIT	iP	06 04 27
	ipP	04 55
	ePP	06 06
	epPP	06 32
	esPP	06 43
	iS	10 37
	esS	11 30
	eL	13 35
TUC	iP	06 07 45
	ipP	08 19
	iPP	10 21
	epPP	10 51
	eS	16 21
	e	16 40
	esS	17 35
	e	20 36
	eL	24 50
	eP'P'	35 36
UK	e(P)	06 06 32
	e(S)	14 26
	e	15 24
	eL	21 27
May 3		
COL	eP	06 44 19
May 3		
HUAN	e(P)	07 15 36
May 3		
COL	eP	07 45 53
May 3, H = 10 54 26** Off east coast of Kamchatka. h = slightly greater than normal.		
COL	eP	11 00 06.5
HH	iP	11 03 21
	e	03 47

Date and Station		Phase (GCT) h m s
May 3, cont.		
LOG	eP	11 04 04
	e	04 09
OV	eP	11 04 21
PF	iP	11 04 24
SH	iP	11 03 27
TUC	eP	11 04 55
May 3		
OV	eP	11 27 48
	i	28 29
May 3		
COL	eP	12 54 49
May 3		
OV	e	13 48 47
May 3, H = 14 51 31* 35°S, 179°W. Kermadec Islands region.		
SH	iP	15 04 42
May 3		
COL	eP	16 59 50
May 3		
OV	e	21 11 52
	i	11 56
May 4		
HUAN	eP	00 58 02
May 4, H = 01 34 03 By BERK, 40.4°N, 124.3°W. Cape Mendocino, Calif. Felt in Humboldt County. Mag. 4.1		
HH	e(P)	01 36 40
SH	iP	01 34 30
TUC	eP	01 37 23

Date and Station		Phase (GCT) h m s
May 4, cont.		
UK	e(P)	01 34 53
	e	35 12
	eS	35 32
	eL	36 00
May 4		
HH	iP	03 05 00
OV	iP	03 05 46
SH	eP	03 04 59
TUC	e	03 06 14
May 4, H = 05 59 01* 9°N, 40°W. Atlantic Ocean, northeast of Brazil.		
BER	eL	06 13 50
BC	eP	06 10 32
HH	eP	06 10 31
OV	iP	06 10 31
PHIL	eS	06 13 49
	eL	19 34
PF	eP	06 10 28
TUC	e	06 10 10
	e	10 24
May 4		
OV	eP	08 15 38
	i	16 01
May 4		
COL	eP	20 33 07
PF	iP	20 31 55
SH	iP	20 32 15
TUC	e	20 32 24
May 5		
BC	eP	06 31 02
HUAN	eL	06 37 57

Date and Station		Phase (GCT) h m s
May 5, cont.		
HH	iP	06 32 11.5
PF	eP	06 31 02
SH	iP	06 31 34
TUC	eP	06 30 37
May 5		
HUAN	e	10 17 28
	eS	25 08
	e	31 33
	e	35 22
	eL	42 31
May 5		
COL	iP	10 44 23
	i(S)	44 33
	iL	44 38
May 5		
COL	eP	14 07 50
HH	eP	14 07 58
PF	eP	14 06 30
SH	iP	14 07 15
TUC	eP	14 07 32
May 5		
HH	eP	14 50 55
May 5		
TUC	eP	19 19 25
May 5		
TUC	e	21 19 33
	e	19 43
	eL	47 45
May 5		
HH	eP	22 08 58
May 6		
OV	eP	03 26 53
	i	27 11
PF	iP	03 26 49
	i	26 55
	iL	27 23

Date and Station		Phase (GCT) h m s
May 6, cont.		
TUC	e(P)	03 27 13
	i	27 33
	e(S)	27 54
	i	28 18
	eL	28 16
May 6, H = 08 31 00** Near west coast of Hokkaido, Japan. Felt.		
BC	i(P)	08 43 09
	i(pP)	43 31
COL	eP	08 39 53.5
HH	iP	08 42 29
	i(pP)	42 50
OV	e(P)	08 43 09
PF	i(P)	08 43 12
	i	43 34
SH	iP	08 42 24
TUC	e(P)	08 43 36
	e	43 58
May 6		
HH	eP	11 40 59
OV	iP	11 40 39
May 6		
OV	i	12 26 09
	i	26 12
May 6, H = 12 45 59* 11°S, 166°E. Santa Cruz Islands. h = about 100 km.		
BC	iP	12 58 43
	i(pP)	58 56
COL	eP	12 58 18
	i(pP)	58 34
	eL	13 27 51
HH	iP	12 58 59
	i(pP)	59 12

Date and Station		Phase (GCT) h m s
May 6, cont.		
PF	iP	12 58 46
	i(pP)	58 59
SH	iP	12 58 20
	i(pP)	58 33
TUC	iP	12 58 54
	ipP	59 25
	ePP	13 02 41
	eL	27 21
May 6		
OV	e(P)	14 38 06
May 6, H = 14 30 12* 54°N, 109½°E. Lake Baikal region, U. S. S. R.		
BC	eP	14 42 44
COL	eP	14 38 52
	iP	38 58
	ePPP	41 37
	e	46 53
	eL	49 54
HH	iP	14 41 38
OV	eP	14 42 37
PF	eP	14 42 40
TUC	eP	14 43 04
May 6		
BER	eL	15 24 30
May 6		
OV	iP	21 42 12
PF	iP	21 42 12
TUC	iP	21 42 14
May 7, H = 00 59 19** Mariana Islands region. h = about 100 km.		
BC	iP	01 11 59
	ipP	12 36
COL	e(P)	01 09 45

Date and Station		Phase (GCT) h m s
May 7, cont.		
HH	iP	01 11 40
	ipP	12 18
OV	eP	01 12 00
	ipP	12 38
PF	iP	01 12 01
	ipP	12 39
SH	iP	01 11 18
	ipP	11 59
TUC	iP	01 12 20
	ipP	12 57
May 7		
PF	iP	05 45 07
	i	45 13
	i(S)	45 48
May 7		
TUC	eP	06 26 28
May 7		
OV	e	09 46 01
May 7		
TUC	eP	10 08 27
OV	eP	10 08 29
HH	e(P)	10 13 26
OV		
OV	e	10 14 02
	i	14 03
May 7		
OV	e	10 52 12
May 7		
COL	eP	12 43 06
HH	iP	12 43 14
OV	iP	12 42 46
PF	iP	12 42 46
SH	iP	12 42 29
TUC	iP	12 42 50

Date and Station		Phase (GCT) h m s
May 7, H = 13 01 52* 23½°S, 66°W. Northwestern Argentina. Felt in northern Chile. h = about 200 km.		
BC	iP	13 13 16
COL	eP	13 16 01
HUAN	eP	13 05 10
	iP	05 11
	i	05 36
	i	06 30
	iS	07 44
	iL	08 07
HH	iP	13 14 01
	e(PP)	17 04
	eS	24 00
OV	eP	13 13 17
	i	19 22
PF	iP	13 13 14
	i	13 27
SJ	e	13 12 17
	e	16 37
	eL	18 33
SH	iP	13 13 55
TUC	iP	13 12 46
	ePcP	13 05
	e(S)	21 07
May 7		
HH	iP	13 45 02
SH	i(P)	13 45 00
May 7, H = 14 54 10* 44°N, 100°W. Central South Dakota.		
HH	iP	14 56 46
	i	57 31
	iL	59 56
LIN	e(P)	14 55 13
	e(S)	55 47
	iL	55 55

Date and Station		Phase (GCT) h m s
May 7, cont.		
OV	eS	14 59 45
	eL	15 01 37
TUC	e	14 57 42
	e	58 06
	eL	15 01 18
May 7		
OV	eP	15 34 32
May 7		
COL	iP	16 46 33
	e	46 55
	i(S)	47 19
	eL	47 31
May 7		
TUC	eP	19 38 43
May 8		
HUAN	e	06 44 12
	eL	49 41
May 8		
BC	eP	07 11 55
COL	iP	07 08 26
	i	08 34
HH	iP	07 11 09
PF	iP	07 11 57
	e	12 17
SH	iP	07 11 09
TUC	e	07 12 23
May 8		
HH	iP	11 24 05
May 8, H = 21 24 21* 21½°S, 69°W. Northern Chile. Felt. h = about 100 km. Mag. 6-3/4		
BER	eS	21 40 47
	esS	41 40
	e	44 15
	eSS	44 50

Date and Station		Phase (GCT) h m s
May 8, cont.		
BC	iP	21 35 40
	ipP	36 09
	isP	36 23
BUT	e	21 36 44
	eS	45 53
	e	50 14
COL	eP	21 38 20.5
	epP	38 51
	e	41 40
	eP'	42 20
HUAN	eP	21 27 00
	e	27 24
	e	27 33
	i	28 38
	iS	28 50
	i	29 10
	iL	29 21
HH	iP	21 36 27
	ipP	36 58
	eS	46 16
OV	iP	21 35 41
	ipP	36 10
PHIL	e	21 34 56
	eS	42 27
	esS	43 21
	eScS	44 05
	e	45 02
	e	45 03
	e	47 20
	eL	49 03
PF	iP	21 35 38
	ipP	36 07
	isP	36 20
SJ	eP	21 31 51
	epP	32 22
	e(PP)	33 12
	e(PPP)	34 24
	iScP	37 23
	i(S)	38 14
	eL	40 44
SEA	eL	21 46 54

Date and Station		Phase (GCT) h m s
May 8, cont.		
SH	iP	21 36 21
	ipP	36 51
	isP	37 04
TUC	iP	21 35 08
	ipP	35 37
	isP	35 52
	e(pPP)	38 07
	e(sPP)	38 22
	eS	43 48
	e(sS)	44 55
	e	46 31
	eL	22 02 28
	eP'P'	03 45
WASH	eP	21 34 24
	ipP	34 55
May 9, H = 08 35 11* 41°N, 84°E. Sinkiang Province, China.		
COL	eP	08 46 03
	iP	46 09
HH	e(P)	08 48 08
SH	iP	08 48 35
May 9		
COL	eP	12 06 35
	i	07 07
May 9		
OV	e	13 24 21
	i	26 53
TUC	eP	13 23 07
	i	23 24
	i	23 39
	eS	24 06
	i	24 18
	iL	24 29
May 9, H = 13 36 17* 4½°N, 95½°E. Northwest coast of Sumatra. Mag. 6-3/4		
BC	eP'	13 55 32

Date and Station		Phase (GCT) h m s
May 9, cont.		
BOZ	ePP	13 57 06
	e	14 09 41
	eSS	14 12
	eL	37 20
BUT	ePP	13 57 01
	eSP	14 06 59
	eSS	13 52
	eL	42 49
CHI	e	13 59 06
	eL	14 38 57
COL	e	13 49 51
	e	52 27
	ePP	53 47
	eSKS	14 00 06
	eL	20 04
COLU	eL	13 32 25
HONO	eL	14 29 23
HUAN	eP'	13 56 29
	i	57 46
	e	14 00 40
	e(PP)	01 25
	e	06 46
	eSKSP	11 47
	ePPS	16 08
	e	17 23
	eSS	22 11
	eL	39 26
HH	iP'	13 55 13
LIN	eL	14 40 45
OV	eP'	13 55 30
	iP'	55 33
	i	58 55
PHIL	e	13 59 11
	ePPS	14 11 52
	eSS	15 47
	eL	33 10
PF	iP'	13 55 33
	i	58 55
SLC	eL	14 43 43

Date and Station		Phase (GCT) h m s
May 9, cont.		
SJ	eP'	13 56 14
	e	56 34
	e	59 16
	e(SKS)	14 05 49
	e	08 44
	eSS	19 10
	e(SSS)	25 18
	eL	36 22
SH	eP'	13 55 16
	ePKKP	14 05 10
SIT	e	13 51 52
	ePP	54 52
	eSKS	14 01 16
	ePPS	05 27
	e	06 41
	e	11 30
	eL	21 24
TUC	eP'	13 55 41
	e	55 56
	e	59 10
	ePKS	14 00 13
	ePPP	00 54
	eSKSP	08 24
	eL	40 00
UK	eL	14 37 31
WASH	eP'	13 55 47
	i	59 20
	eL	14 57 45
May 9		
OV	e	15 06 10
	e	09 29
TUC	e	15 09 48
May 9		
HUAN	iP	21 29 52
	iS	30 07
	iL	30 17

May 10, H = 00 24 38*
19°N, 106°W. Off coast of Colima, Mexico.
Mag. 6-1/4

Date and Station		Phase (GCT) h m s
May 10, cont.		
BER	eP	00 32 13
	e(PP)	33 30
	eS	38 20
	eL	43 40
BC	iP	00 29 00
	e	29 09
BOZ	e(P)	00 30 36
	ePP	31 13
	eS	35 08
	eL	38 46
BUT	eP	00 30 31
	eS	35 14
	eL	40 36
CHI	eS	00 35 11
	eL	38 51
COL	eL	00 53 45
COLU	e(S)	00 35 10
	eL	40 45
HUAN	eS	00 39 15
	eL	42 28
HH	iP	00 30 48
LIN	eS	00 34 12
	eL	36 39
LOG	eP	00 29 46
	ePP	30 25
	eL	35 12
OV	eP	00 29 02
PHIL	eP	00 31 25
	e(PP)	32 23
	eS	36 51
	eL	38 49
PF	eP	00 28 56
SLC	ePP	00 30 03
	e(S)	33 52
	eL	35 35

Date and Station		Phase (GCT)
		h m s
May 10, cont.		
SJ	eP	00 32 04
	eS	37 47
	eL	42 10
SEA	eL	00 40 56
SH	iP	00 30 07
SIT	eS	00 39 25
	eL	43 08
TUC	eP	00 27 57
	iP	28 00
	i	28 22
	i	29 07
	eS	30 47
	eL	31 35
UK	e	00 34 08
	eS	34 50
	eL	38 14
WASH	eL	00 42 32
May 10		
COL	eP	03 01 16.5
May 10, H = 03 12 30** Colima, Mexico, aftershock.		
BOZ	eL	03 27 45
BUT	eS	03 23 07
	eL	29 51
CHI	eL	03 26 08
LIN	eS	03 22 04
	eL	24 33
LOG	eP	03 17 34
OV	eP	03 16 52
PF	eP	03 16 49
PHIL	eS	03 24 51
	eL	26 42

Date and Station		Phase (GCT)
		h m s
May 10, cont.		
SLC	eP	03 17 29
	eS	21 46
	eL	22 45
SEA	eL	03 30 15
SIT	eL	03 36 46
TUC	eP	03 15 49
	e	16 21
	e(S)	18 35
	eL	19 30
May 10		
LOG	e	03 33 17
	eS	33 33
	i	33 36
	eL	33 50
May 10, H = 04 06 33 By PAS, 34°01'N, 115°41'W. Pinto Basin, Calif., aftershock. Mag. 4.7		
BC	iP	04 07 13
	i	07 18
	iS	07 51
HH	iP	04 10 12
LOG	e	04 08 45
	eL	10 18
PF	iP	04 07 20
	iS	07 59
SLC	eL	04 10 41
SH	e(P)	04 08 32
	i	08 52
TUC	eP	04 07 44
	i	07 51
	i	08 06
	i	08 23
	i(S)	08 32
	i	08 53
	eL	09 00

Date and Station		Phase (GCT)
		h m s
May 10		
COL	eP	06 34 19
	e	34 24
May 10		
COL	iP	07 12 12
	i	12 17
	eS	12 55
	iL	14 06
May 10		
COL	eP	08 05 25
	e	05 35
May 10		
COL	iP	09 24 49
	e	25 21
	i	25 32
HH	eP	09 27 19
May 10		
COL	eP	11 36 23
HH	e(P)	11 38 29
May 10, H = 14 11 11** Fiji Islands region. h = about 100 km.		
BC	iP	14 23 21
COL	iP	14 23 56
	e	24 14
HH	iP	14 24 03
LOG	eP	14 23 57
OV	iP	14 23 33
PF	iP	14 23 33
SH	iP	14 23 17
TUC	iP	14 23 35
May 10		
OV	iP	18 39 31
May 10, H = 21 18 40** Pacific Ocean, south of Panama.		

Date and Station		Phase (GCT) h m s
May 10, cont.		
BC	iP	21 26 39
HUAN	eL	21 28 00
HH	iP	21 27 41
OV	eP	21 26 23
	e	26 41
PF	eP	21 26 37
SJ	eP	21 23 21
	e(S)	27 16
	eL	27 24
May 10, H = 22 23 32* 49½°N, 129°W. Off coast of Vancouver Island.		
BOZ	eL	22 31 05
COL	eP	22 27 49
HH	iP	22 25 55
OV	eP	22 27 28
	i	27 30
PHIL	eL	22 43 12
PF	iP	22 27 36
SH	eP	22 25 53
	i	26 03
TUC	eP	22 28 27
May 11		
OV	iP	07 28 22
May 11		
HH	e(P)	11 53 32
May 11		
BC	eP	14 16 31
OV	eP	14 16 33
PF	e(P)	14 16 34
SH	iP	14 16 15

Date and Station		Phase (GCT) h m s
May 11, cont.		
TUC	e	14 16 38
May 11		
OV	iP	17 57 00
May 12		
OV	eP	01 14 08
May 12		
OV	i(P)	05 08 15
May 12, H = 07 16 20** Fox Islands, Aleutian Islands.		
BC	iP	07 24 09
COL	e(P)	07 20 17
HH	iP	07 23 11
OV	iP	07 24 08
PF	iP	07 24 11
SH	iP	07 23 04
TUC	iP	07 24 48
May 12		
OV	eP	08 31 18
May 12, H = 10 18 40** Sumatra aftershock.		
BC	iP'	10 37 52
	i	41 20
HH	iP'	10 37 32
	e	38 06
LOG	eP'	10 37 43
OV	eP'	10 37 53
PF	eP'	10 37 52
SH	iP'	10 37 36
TUC	eP'	10 38 02
	e	38 20
	e	41 30

Date and Station		Phase (GCT) h m s
May 12		
BC	iP	14 31 01
	i(S)	31 29
PF	iP	14 31 02.5
	i	31 08
	i(S)	31 30
May 12		
OV	e	22 17 25
	i	17 26
May 12		
HH	e(P)	22 21 21
May 13		
SJ	eP	02 04 12
	e	04 24
	eS	04 36
	iS	04 39
	iL	04 43
May 13, H = 02 19 34 By BERK, 40.7°N, 124.7°W. Off Cape Mendocino, Calif. Mag. 4.3		
SH	iP	02 20 04
	iS	20 28
May 13		
OV	iP	04 54 33
PF	i(P)	04 54 33
TUC	eP	04 54 32
May 13		
BC	e(P)	06 13 41
COL	eP	06 14 46
	i	14 56
	i	15 07
HH	e(P)	06 13 57
OV	eP	06 13 34
	e	14 17
PF	e(P)	06 13 41
SH	e(P)	06 13 53

Date and Station		Phase (GCT)
		h m s
May 13, H = 07 15 48* 69½°N, 16°W. Off east coast of Greenland.		
COL	e	07 23 39
OV	e	07 25 47
PF	e(P)	07 25 53
TUC	e	07 26 10
May 13, H = 10 18 31 By PAS, 34°00'N, 118°16'W. Los Angeles, Calif. Felt. Mag. 3.7		
BC	eP	10 19 25
	i	19 35
	e(S)	20 17
PF	iP	10 19 33
	i(S)	20 18
	eL	20 36
May 13		
BH	iP	12 34 12
	iS	34 37
May 13		
HUAN	e	14 41 31
	e	42 21
May 13		
COL	e	15 31 40
May 13		
BC	e(P)	20 09 25
PF	e(P)	20 09 26
May 13, H = 20 14 03* 41°N, 32°E. Northern Turkey. Felt.		
COL	eP	20 25 44.5
HH	iP	20 26 47
PF	eP	20 27 40
May 14		
HUAN	e	00 06 01
	e(L)	07 31

Date and Station		Phase (GCT)
		h m s
May 14		
HH	e(P)	02 25 36
May 14		
TUC	eP	03 06 38
	i	06 47
	i	06 51
	e(S)	07 20
	e	07 31
	i	07 35
	iL	07 52
May 14		
COL	iP	07 27 43
	i	27 53
May 14		
COL	e	11 40 38.5
TUC	e	12 14 26
	e	15 06
May 14		
HH	eP	12 46 28
PF	eP	12 43 55
TUC	eP	12 42 54
	i	43 14
	i	43 31
	e	44 05
	e(S)	44 26
	i	44 40
	eL	44 56
May 14		
COL	eP	22 32 44.5
	i	33 02
May 14, H = 23 38 29* 53°N, 133°W. Queen Charlotte Islands.		
BOZ	eL	00 47 10
CHI	eL	23 55 34
COL	eP	23 41 48
	eS	44 08
	eL	46 09
HH	eP	23 41 37

Date and Station		Phase (GCT)
		h m s
May 14, cont.		
PHIL	eL	00 00 06
SH	i(P)	23 42 07
SIT	eP	23 39 31
	eS	40 25
	eL	40 37
May 15, H = 05 30 10* 26°N, 111°W. Gulf of California.		
BOZ	eL	05 40 48
BC	eP	05 32 42
	eL	35 47
BUT	e(S)	05 35 01
	eL	42 44
CHI	eL	05 43 07
COL	eP	05 38 29
HH	e(P)	05 35 06
LIN	eL	05 40 04
LOG	eP	05 33 54
	eL	38 37
PHIL	eL	05 46 37
PF	iP	05 32 38
	i	33 09
	eL	35 27
SLC	eS	05 36 17
	eL	37 57
SH	eP	05 34 12
TUC	eP	05 31 37
	i	31 43
	i	32 02
	eS	32 35
	i	32 47
	i(L)	33 20
May 15		
HH	eP	05 49 33

Date and Station		Phase (GCT)
		h m s
May 15, cont.		
OV	eP	05 47 12
PF	iP	05 47 03
TUC	eP	05 46 03
	i	46 34
	e(S)	47 18
	eL	47 33
May 15, H = 06 27 27* 9°S, 160°E. Solomon Islands.		
BC	eP	06 40 33
COL	eP	06 39 50.5
	eS	50 02
	eL	07 04 33
HH	e	06 40 53
LOG	eP	06 40 49
OV	eP	06 40 36
	iP	40 37
PHIL	eL	07 29 26
PF	eP	06 40 36
	e	40 48
SH	eP	06 40 11
	i	40 20
TUC	e(P)	06 40 58
	eL	07 10 14
May 15		
BC	iP	06 48 47
	iS	49 14
PF	eP	06 48 51
	e(S)	49 16
	eL	49 32
TUC	e	06 49 33
May 15		
COL	eP	07 32 11

Date and Station		Phase (GCT)
		h m s
May 15		
OV	eP	08 03 58
	iP	04 00
	iS	04 48
May 15		
TUC	eP	09 09 56
May 15		
HH	e(P)	09 31 49
May 15, H = 11 14 10** New Britain region.		
BC	eP	11 27 42
COL	eP	11 26 37
HH	eP	11 27 44
OV	eP	11 27 46
PF	eP	11 27 42
May 15		
OV	e	11 59 02
May 15		
OV	e	12 17 32
	i	17 35
	iS	18 25
	i	18 26
May 15		
HH	e	14 05 14
May 15		
OV	e	21 15 49
PF	eP	21 15 50
SH	iP	21 13 58
May 15		
COL	eP	21 59 17
	e	59 28
May 16		
HH	e	04 16 13
TUC	e	04 16 41

Date and Station		Phase (GCT)
		h m s
May 16, H = 04 32 18** Timor Sea.		
BC	eP'	04 51 20
COL	eL	05 39 30
HUAN	eL	05 50 21
HH	eP'	04 51 10
	e(PP)	52 39
LOG	eP'	04 51 19
	e	53 07
	eL	05 33 25
OV	eP'	04 51 21
PHIL	eP'	04 52 04
	e	05 03 24
	e	17 47
	eL	47 22
PF	eP'	04 51 23
SJ	e	04 52 47
	eP'	54 27
	e	05 05 06
	ePPS	12 11
	e	21 50
	eL	56 16
SIT	eS	04 57 12
	eL	05 25 00
TUC	eP'	04 51 29
	e	52 11
	ePP	53 36
	e(SSS)	47 35
	eL	05 33 42
May 16		
OV	eP'	05 04 51
	e	05 22
May 16		
OV	iP'	10 04 14
	i	04 20
	iS	04 52

Date and Station		Phase (GCT)
		h m s
May 16		
COL	iP	14 36 37
	i	36 47
	e	39 09
HH	iP	14 36 33
	i	36 40
PF	iP	14 38 20
SIT	eL	14 33 28
May 16		
COL	iP	14 55 04
HH	iP	14 57 58
OV	iP	14 58 48
May 16		
HUAN	iP	23 35 48
	eS	36 13
	eL	36 24
May 17, H = 02 29 53* 48°N, 155°E. Kurile Islands region.		
BC	iP	02 40 28
COL	iP	02 36 40
	iS	42 04
	eL	44 47
HH	iP	02 39 38
	i	40 09
	i	40 31
LOG	iP	02 40 14
	ePP	42 42
OV	iP	02 40 27
PF	iP	02 40 30
SH	iP	02 39 36
SIT	iP	02 37 40
	ePP	39 26
	eS	43 57
	eL	47 10

Date and Station		Phase (GCT)
		h m s
May 17, cont.		
TUC	iP	02 40 59
	e	41 13
May 17, H = 04 02 10* 34°S, 68°W. Western Argentina.		
BC	eP	04 14 33
HUAN	eP	04 07 11
HH	eP	04 15 19
LOG	eP	04 14 48
OV	eP	04 14 33
	iP	14 34
PF	iP	04 14 30
	i	15 02
SH	iP	04 15 09
TUC	eP	04 14 04
	e	14 23
May 17		
SH	i(P)	04 39 53
May 17, H = 06 24 33** Near west coast of Peru. Felt.		
BC	e(P)	06 34 33
HUAN	iP	06 25 16
	eS	25 41
	iS	25 44
	iL	26 08
OV	iP	06 34 35
PF	iP	06 34 30
	e	34 45
TUC	eP	06 33 57
May 17		
OV	eP	09 39 50
	i	40 19

Date and Station		Phase (GCT)
		h m s
May 17		
OV	e	11 43 28
	e(S)	44 04
	i	44 08
May 17		
OV	e	13 58 16
May 17		
HH	eP	15 09 41
OV	e	15 10 48
SH	iP	15 09 33
May 17, H = 22 37 45 23°S, 172°E. Loyalty Islands region.		
BC	e(P)	22 50 46
PF	iP	22 50 51
SH	i(P)	22 50 38
TUC	iP	22 50 50
May 17, H = 23 57 55 By PAS, 35°38'N, 121°09'W. Felt in San Simeon, Calif. Mag. 4.1		
HH	iP	23 26 23
LOG	eP	23 25 51
SH	iP	23 26 15
TUC	eP	23 25 08
May 17		
BC	iP	23 59 27
SH	iP	23 59 27
	i(S)	00 00 25
	i	00 36
May 18		
HH	iP	08 13 55
May 18		
TUC	e(P)	18 21 41

Date and Station		Phase (GCT)
		h m s
May 18		
HH	iP	20 50 22
SH	e(P)	20 49 54
May 19		
HUAN	e	04 25 26
May 19		
HH	eP'	05 24 13
OV	eP'	05 24 28
PF	eP'	05 24 24
TUC	eP'	05 24 28
May 19		
HH	e(P)	08 02 25
OV	eP	08 03 05
PF	e	08 03 04
May 20, H = 08 12 40* 17°S, 177°W. Fiji Islands region. h = about 200 km.		
HH	e(P)	08 16 41
PF	i(P)	08 17 18
OV	eP	08 17 19
	e	17 22
May 19		
OV	eP	08 57 51
May 19		
OV	eP	09 24 38
May 19		
OV	e	11 39 46
SJ	eP	11 31 39
	iS	31 49
	iL	31 56
May 19		
PF	i	15 18 40

Date and Station		Phase (GCT)
		h m s
May 19, cont.		
TUC	eP	15 17 36
	i	18 08
	e	18 37
	e(S)	18 48
	i	19 05
	iL	19 25
May 19		
OV	e	15 22 12
	e	22 22
May 20, H = 08 12 40* 17°S, 177°W. Fiji Islands region. h = about 200 km.		
BC	eP	08 24 25
	epP	25 19
HH	iP	08 25 01
	ipP	25 56
	epPP	29 12
OV	eP	08 24 28
	ipP	25 23
PF	iP	08 24 28
	ipP	25 21
SH	iP	08 24 13
	epP	25 06
TUC	iP	08 24 30
	iPcP	24 43
	ipP	25 20
May 20		
BC	eP	13 25 00
	i(S)	25 28
PF	iP	13 25 10
	i(S)	25 39
	eL	25 42
TUC	e	13 25 34
	i	25 47
	e	26 18
	eL	26 41
May 20		
HUAN	e	15 17 40

Date and Station		Phase (GCT)
		h m s
May 20, H = 22 35 31 By PAS, 33°N, 126°W. Off coast of southern California. Mag. 4.8		
HH	iP	22 39 39
LOG	eP	22 38 55
OV	eP	22 37 56
PF	iP	22 37 58
	i	38 03
SH	iP	22 38 30
TUC	eP	22 38 33
UK	eS	22 38 10
	eL	38 20
May 20		
HUAN	eP	23 00 46
	e(S)	02 17
	eL	02 32
May 21		
OV	i	03 44 36
May 21		
OV	iP	04 45 14
May 21, H = 05 43 51* 14½°S, 76½°W. Near coast of Peru.		
BC	eP	05 54 16
HUAN	iP	05 44 33
	iS	44 58
	iL	45 12
HH	iP	05 55 09
OV	iP	05 54 16
PF	eP	05 54 11
TUC	eP	05 53 40
May 21		
OV	eP	07 50 15

Date and Station		Phase (GCT)
		h m s
May 21, H = 07 43 03* 23°S, 117°W. Pacific Ocean, 550 miles northwest of Easter Island.		
BC	iP	07 55 24
	i	55 35
COL	eP	07 56 05
HH	eP	07 56 00
LOG	eP	07 55 49
OV	iP	07 55 27
PF	iP	07 55 27
SH	iP	07 55 15
TUC	iP	07 55 27
	e	56 06
May 21 COL	e	08 47 48
May 21 OV	eP	09 50 06
May 21 COL	e	10 46 27
OV	eP	10 51 14
	iP	51 15
May 21 OV	i	13 16 16
	i	16 39
May 21 HUAN	e	14 16 53
	e	18 02
May 21 HH	eP	17 53 52
May 21 COLU	e(L)	18 31 48
May 21 OV	e	21 24 47
	e	25 17

Date and Station		Phase (GCT)
		h m s
May 21, H = 21 40 03* 37°N, 142°E. Off east coast of Honshu, Japan. Felt. Mag. 6½		
BER	e(S)	22 06 20
	eL	30 50
BC	eP	21 52 08
	eS	22 02 02
BOZ	e	21 52 02
	eS	22 01 18
	eSS	06 08
	eL	10 07
CHI	eS	22 03 35
	iS	03 36
	eSS	09 36
	eL	15 32
COL	eP	21 48 51
	i	48 58
	i	49 36
	ePcP	50 02
	ePP	50 46
	eS	55 39
	iS	55 50
	iScS	58 38
	eL	22 00 24
COLU	eL	22 23 13
HONO	eS	21 57 08
	e(SS)	22 01 14
	eL	02 34
HUAN	eP'	21 59 34
	ePP	22 02 48
	e	03 03
	ePKS	04 13
	ePPS	15 15
	eSS	20 40
	eSSS	25 11
	eL	38 10
HH	iP	21 51 28
	eS	22 00 42
	eP'P'	19 06
LOG	eP	21 51 56
	i	52 05

Date and Station		Phase (GCT)
		h m s
May 21, cont. LOG, cont.		
	ePP	21 54 21
	eS	22 01 51
	e	05 06
	eL	10 18
PHIL	eSKS	22 04 05
	eSS	11 24
	eL	18 38
SLC	e(P)	21 52 06
	iS	22 01 49
	e	05 01
	eL	13 24
SH	iP	21 51 23
	eS	22 00 36
SIT	eP	21 49 46
	ePP	51 56
	e(PPP)	53 44
	eS	57 35
	iS	57 45
	e	59 08
	iScS	59 32
	eSS	22 01 22
	eL	03 42
TUC	eP	21 52 33
	i	52 43
	e	55 30
	ePP	55 55
	eS	22 02 50
	e(ScS)	03 08
	e	03 54
	e	04 25
	e(SS)	07 42
	eSSS	12 22
	eL	18 30
	eP'P'	19 06
UK	e	21 51 31
	i(S)	22 00 41
	eL	09 36
May 22 OV	e	03 54 20
	i	54 35
May 22 OV	e	05 24 38

Date and Station		Phase (GCT) h m s
May 22		
OV	e	05 36 18
May 22		
OV	e	08 28 53
	i	30 46
May 22		
OV	i	10 26 17
May 22		
HH	e(P)	14 27 32
May 22		
COL	eP	14 38 23
May 22		
BC	eP	14 48 52
HH	eP	14 47 55
	i	48 29
OV	eP	14 48 50
	iP	48 51
PF	iP	14 48 53
SH	eP	14 48 05
May 22		
OV	iP	15 12 36
SH	iP	15 12 23
TUC	eP	15 13 37
May 22, H = 15 25 35* 7°S, 81½°W. Off coast of Peru.		
BC	eP	15 34 56
HUAN	eP	15 27 33
	eS	29 13
	eL	29 33
HH	eP	15 35 57
OV	iP	15 34 57
PF	iP	15 34 53
TUC	eP	15 34 17

Date and Station		Phase (GCT) h m s
May 22		
TUC	e	16 50 16
May 22		
OV	eP	17 52 29
May 22		
OV	iP	18 17 13
May 22		
BC	eP	19 08 23
	eL	16 10
HH	e(P)	19 09 51
LOG	eL	19 18 16
OV	eP	19 08 28
	iP	08 29
	eL	16 25
PF	iP	19 08 23
SLC	eL	19 14 08
TUC	eP	19 07 34
	e	08 34
	e(S)	11 45
	eL	13 26
May 22		
OV	iP	20 14 20
May 22		
SH	iP	20 51 20
	e(S)	51 44
	eL	51 54
May 22		
OV	eP	21 12 56
	e	13 01
May 22		
PF	e(P)	21 22 45
	i(S)	23 13
May 22		
OV	e	21 36 44
May 22		
BC	e	21 40 04
OV	e	21 40 03

Date and Station		Phase (GCT) h m s
May 22, cont.		
PF	eP	21 40 05
SJ	e	22 00 12
	e	09 54
	e	16 15
	eL	39 07
SH	iP	21 40 12
	e	40 38
TUC	eP	21 40 21
	eL	47 43
May 22		
SH	e(P)	21 44 13
May 22		
OV	e	22 15 55
	i	16 09
May 22		
OV	iP	23 17 06
May 22		
BC	eP	23 21 02
	i	21 07
	i(S)	21 33
	e(S)	21 35
PF	iP	23 21 09
	i	21 12
	i(S)	21 51
TUC	iP	23 21 32
	e	21 40
	i	21 50
	iS	22 28
	i	22 41
	iL	22 48
May 22		
OV	e	23 57 40
	e	59 23
TUC	e	23 56 45
May 23		
OV	e	00 12 41
May 23		
OV	e	01 44 42

Date and Station		Phase (GCT)
		h m s
May 23, H = 01 47 30 By PAS, 34°01'N, 115°41'W. Pinto Basin, Calif., aftershock. Mag. 3.9		
BC	eP	01 48 13
	i(S)	48 41
OV	eP	01 48 22
	iP	48 24
	i(S)	49 04
PF	iP	01 48 16
	i	48 21
	e	48 49
	i(S)	48 54
TUC	eP	01 48 40
	i	48 59
	eS	49 31
	e(L)	49 57
May 23, H = 04 17 36* 30°S, 178°W. Kermadec Islands. Felt. h = 70 km. Mag. 6½		
BC	iP	04 30 23
	eS	40 52
	eP'P'	56 09
COL	eP	04 31 00
HUAN	eP	04 30 52
HH	eP	04 30 58
	e(PP)	34 47
	eSKS	41 30
	e(S)	41 58
LOG	eP	04 30 45
	epP	31 08
	e(PP)	34 12
OV	eP	04 30 26
PF	iP	04 30 26
	eSKS	40 37
	eS	41 17

Date and Station		Phase (GCT)
		h m s
May 23, cont.		
SJ	e	04 33 05
	ePP	37 29
	eSKS	43 04
	eSP	46 47
	ePS	47 13
	eSS	53 34
	eL	05 15 16
SH	iP	04 30 16
	ipP	30 37
	e(S)	40 58
	e(sS)	41 29
SIT	eSKS	04 41 20
	e	42 29
	e	43 42
	eL	05 04 30
TUC	iP	04 30 24
	ipP	30 38
	ePP	33 54
	ePS	42 19
	e	52 33
	eL	58 28
May 23, H = 05 24 10* 6°S, 154°E. New Britain region. h = about 50 km.		
BC	eP	05 37 33
	e	37 48
COL	eP	05 36 34
HH	iP	05 37 39
OV	eP	05 37 35
	iP	37 36
PF	iP	05 37 37
	i	37 51
SH	iP	05 37 08
TUC	eP	05 37 49
May 23		
COL	eP	06 22 07
HH	iP	06 23 12

Date and Station		Phase (GCT)
		h m s
May 23		
OV	e	07 22 17
	e	24 06
May 23		
OV	eP	08 32 02
May 23, H = 11 33 00* 19°N, 95°W. Off coast of Vera Cruz, Mexico. h = about 100 km.		
BC	eP	11 38 15
	i	38 26
COL	eP	11 42 43
	e	43 34
HH	iP	11 39 32
	i	39 44
OV	eP	11 38 22
PF	eP	11 38 10
	i	38 21
SH	e(P)	11 39 31
TUC	eP	11 37 23
	epP	38 37
May 24, H = 11 51 52* 24½°S, 112½°W. Easter Island region.		
OV	i	12 03 27
PF	iP	12 03 27
TUC	eP	12 03 27
May 23		
TUC	eP	12 28 16
May 23		
PF	iP	17 18 53
	i	18 55
TUC	eP	18 18 50
	i	18 57
	i	19 11
	e(S)	19 25
	iL	19 40

Date and Station		Phase (GCT) h m s
May 23		
BC	e	19 19 59
OV	e	19 19 34
	e	20 32
PF	iP	19 18 36
	eL	20 17
TUC	eP	19 18 02
	i	18 08
	i	18 13
	e(S)	18 48
	i(S)	18 52
	eL	18 59
May 23		
OV	eP	23 04 28
	iP	04 29
May 24		
SJ	eP	00 17 19
	i(S)	18 18
	eL	18 28
May 24		
BER	eL	03 29 24
BC	eP	02 40 55
BUT	eL	03 18 56
CHI	eL	03 22 58
COLU	eL	03 38 12
HUAN	eL	03 16 24
HH	e(P)	02 41 30
LOG	eP	02 41 19
	eL	03 12 54
OV	iP	02 40 57
PHIL	eL	03 27 27
PF	iP	02 40 58
RC	eL	03 17 34
SLC	eL	03 14 33

Date and Station		Phase (GCT) h m s
May 24, cont.		
SH	eP	02 40 45
SIT	eS	02 52 05
	eL	03 07 42
TUC	eP	02 40 58
	ePP	44 14
	eS	50 54
	eSS	56 15
	e(SSS)	03 00 15
	eL	09 32
May 24		
BC	eP	05 52 22
	i	52 27
	e(S)	52 52
	i(S)	52 58
OV	iP	05 52 30
	i	52 38
	i(S)	53 16
PF	iP	05 52 29
	i	52 35
	i	52 45
	i(S)	52 58
	i(L)	53 10
TUC	eP	05 52 51
	e	52 58
	i	53 13
	e(S)	53 50
	i	54 11
	eL	54 21
May 24		
OV	e	06 03 36
May 24		
BC	e	11 12 26
	e	12 31
CHI	e(S)	11 17 18
	eL	22 18
OV	e(P)	11 12 37
PHIL	eL	11 19 47
PF	eP	11 12 22

Date and Station		Phase (GCT) h m s
May 24, cont.		
SJ	e(PP)	11 16 16
	e	18 22
	e	19 18
	e(S)	20 26
	eL	22 24
SH	e(P)	11 11 35
TUC	e(P)	11 11 42
	e	12 41
	e(S)	15 10
	eL	16 42
May 24, H = 11 51 52* 24½°S, 112½°W. Easter Island region.		
BC	eP	12 02 06
COL	eP	12 05 07
HUAN	eP	11 59 07
	eL	12 07 32
HH	eP	12 03 20
LOG	e	12 02 42
OV	eP	12 02 06
PF	eP	12 02 02
SH	eP	12 02 37
TUC	eP	12 01 36
	eL	14 05
May 24		
BC	eP	12 29 38
HH	e(P)	12 28 25
	i	30 56
LOG	eP	12 30 15
	eL	14 02 18
OV	eP	12 27 11
	i	29 42
	i	34 00
PF	iP	12 27 08
	e	29 39

Date and Station		Phase (GCT)
		h m s
May 24, cont.		
SH	i(P)	12 30 12
TUC	eP	12 29 11
May 24		
BC	eP	12 39 17
	e	39 29
HH	e(P)	12 39 53
OV	iP	12 39 20
PF	iP	12 39 21
	i	39 33
SH	iP	12 39 08
May 24		
OV	e	12 43 44
May 24, H = 13 49 41** Colima, Mexico, foreshock.		
BC	eP	13 54 06
BOZ	eL	14 06 07
COL	eL	14 18 15
HH	iP	13 55 52
LIN	eL	14 01 24
OV	eP	13 54 08
PHIL	eL	14 08 35
PF	eP	13 54 02
	i	54 04
RC	eL	14 02 28
SLC	eL	14 01 39
TUC	eP	13 53 05
	epP	53 26
	e	54 07
	e	54 43
	eL	56 19

Date and Station		Phase (GCT)
		h m s
May 24		
BC	eP	14 57 14
LIN	eL	15 05 05
OV	e(P)	14 57 17
PF	eP	14 57 11
TUC	eP	14 55 09
	e	55 28
	e	56 14
May 24		
PF	iP	15 51 38
TUC	iP	15 51 39
May 24, H = 16 20 17* 18°N, 105½°W. Off coast of Colima, Mexico. h = about 100 km. Mag. 6½		
BC	eP	16 24 40
	eS	28 30
BOZ	e	16 28 42
	e	30 10
	e(S)	31 08
	eL	33 32
BUT	eS	16 31 04
	eL	35 44
CHI	eS	16 31 00
	eL	34 30
COL	eP	16 29 36
	eL	49 16
COLU	eL	16 35 37
HH	eP	16 26 28
LIN	eS	16 29 50
	eL	32 30
LOG	eP	16 25 20
	eS	29 52
	eL	32 17
OV	eP	16 24 44
	iP	24 45

Date and Station		Phase (GCT)
		h m s
May 24, cont.		
PHIL	eP	16 27 07
	eS	32 30
	eL	34 58
PF	iP	16 24 39
	i	25 48
	e(S)	28 27
RC	eP	16 25 52
	ePP	26 45
	eS	30 35
	eL	33 30
SLC	eP	16 25 19
	eS	29 33
	eL	32 11
SEA	eL	16 36 14
SH	iP	16 25 48
SIT	eS	16 35 14
	eL	38 40
TUC	iP	16 23 42
	ipP	24 18
	eS	26 32
	eL	27 20
UK	eL	16 30 55
May 24, H = 18 59 16* 37°N, 142°E. Honshu, Japan, aftershock. Felt.		
BC	iP	19 11 23
	eS	11 35
COL	iP	19 08 04
HH	iP	19 10 42
OV	iP	19 11 21
PF	iP	19 11 25
	i	11 37
SH	iP	19 11 37
TUC	iP	19 11 48

Date and Station		Phase (GCT) h m s
May 24		
BC	eP	19 26 25
	e	26 30
	e(S)	26 58
PF	iP	19 26 31
	i	26 37
	eL	27 10
TUC	e	19 27 04
	i	27 12
	e(S)	27 30
	i	27 39
	i	27 52
	iL	28 06
May 24		
COL	eP	20 24 51
HH	iP	20 27 04
May 25, H = 00 34 48* 69°N, 19°W. Off east coast of Greenland.		
BC	eP	00 44 53
HH	iP	00 43 29
PF	iP	00 44 50
TUC	iP	00 45 06
May 25		
HH	iP	02 37 18
May 25		
HH	iP	05 09 03
May 25		
COL	eP	06 06 37
May 25		
BER	eL	07 23 35
SJ	eL	07 27 24
May 25		
BC	e	07 24 27
HH	iP	07 23 48

Date and Station		Phase (GCT) h m s
May 25, cont.		
PF	e	07 24 15
TUC	e	07 24 16
May 25, H = 08 23 48* 42°N, 83°E. Sinkiang Province, China.		
BER	eSKS	08 48 15
	eL	09 12 02
BC	eP	08 37 39
	ePP	41 48
BOZ	eP	08 37 02
	eSKS	47 30
	eS	48 16
	ePS	49 06
	e(SS)	54 19
	e	09 11 24
BUT	eP	08 36 54
	eSKS	47 30
	ePS	49 02
	eSS	54 13
	eL	09 14 40
CHI	eSKS	08 47 57
	ePS	49 57
	eSS	55 24
	eL	09 01 47
COL	iP	08 34 36
	e(PP)	37 27
	ePPP	38 41
	eS	43 31
	eScS	44 39
	eSS	47 45
	eL	53 17
HUAN	eP'	08 43 26
	e	45 54
	e(PP)	47 00
	eL	09 41 00
HH	iP	08 36 41
	ePP	40 15
	eSKS	47 12
LIN	e(SKS)	08 48 08
	eL	09 18 35

Date and Station		Phase (GCT) h m s
May 25, cont.		
PHIL	ePP	08 41 09
	eSKS	47 59
	e(SS)	54 20
	eL	09 07 37
LOG	eP	08 37 13
	e	37 33
	e(PP)	40 32
	eL	09 11 12
PF	eP	08 37 38
	ePP	41 37
RC	eL	09 08 55
SLC	eSKS	08 48 00
	e(PS)	50 10
	eSS	54 49
	eL	09 02 48
SJ	ePS	08 52 53
	eL	09 24 58
SH	iP	08 37 09
	ePP	40 49
SIT	iP	08 35 37
	ePP	38 30
	ePPP	40 25
	eS	45 28
	e(ScS)	45 55
	eSS	50 16
	eSSS	53 40
	e(L)	57 09
TUC	eP	08 37 57
	ePP	42 19
	ePPP	44 31
	eSKS	48 33
	ePS	51 30
	eSS	57 12
	eSSS	09 01 32
	eL	06 13
UK	eL	09 18 16
May 25		
COL	eP	09 30 15
May 25		
TUC	eP	09 50 23

Date and Station		Phase (GCT)
		h m s
May 25		
SH	iP	10 35 00
May 25, H = 17 31 46 By PAS, 34°01'N, 115°41'W. Pinto Basin, Calif., aftershock. Mag. 4.5		
BC	eP	17 32 23
	e	32 28
	e(S)	32 56
OV	eP	17 32 32
	iP	32 33
	i	32 39
	iS	33 26
PF	iP	17 32 30
	i	32 35
	i(S)	33 03
TUC	eP	17 32 53
	i	32 59
	e	33 08
	i	33 10
	i(S)	33 35
	iL	34 03
May 25		
OV	e	18 25 02
PHIL	eL	19 24 52
PF	i(P)	18 25 00
TUC	e	18 25 03
	eL	53 28
May 25		
BC	e	19 45 08
OV	eP	19 45 11
PF	iP	19 45 10
TUC	e	19 45 10
May 25		
OV	iP	21 58 07
May 25		
BC	iP	23 44 42

Date and Station		Phase (GCT)
		h m s
May 25, cont.		
HUAN	i	23 36 38
	i	39 20
	eL	40 26
HH	iP	23 45 26
OV	iP	23 44 43
PF	iP	23 44 39
	i	44 52
SH	iP	23 45 21
TUC	iP	23 44 12
	i	44 31
	e	45 11
May 26		
OV	e	01 44 19
May 26		
HUAN	iP	02 09 04
	iS	09 16
	eL	09 27
May 26, H = 05 10 00* 26½°S, 72½°W. Off coast of Chile.		
BC	eP	05 21 38
HUAN	e	05 13 33
HH	eP	05 22 28
OV	iP	05 21 39
PHIL	eL	06 27 21
PF	iP	05 21 35
SH	e(P)	05 22 29
TUC	eP	05 21 07
	i	21 13
	i	21 19
	e	21 28
	e	22 04
May 26, H = 06 23 20* 37°N, 33°W. Azores region.		

Date and Station		Phase (GCT)
		h m s
May 26, cont.		
BER	eS	06 33 30
	eL	38 21
BC	eP	06 33 55
HH	eP	06 33 14
OV	iP	06 33 52
PF	eP	06 33 51
SJ	eL	06 39 46
TUC	e(P)	06 33 48
May 26		
LOG	eP	07 33 24
May 26		
COL	eP	08 50 00
May 26		
TUC	e(P)	09 32 55
May 26, H = 09 37 54* 12°S, 171½°W. Samoa Islands region.		
OV	eP	09 49 22
PF	iP	09 49 21
SH	iP	09 49 06
TUC	eP	09 49 23
May 26		
LOG	eP	14 14 55
May 26		
OV	iP	14 40 48
May 26, H = 15 43 39 By PAS, 34°01'N, 115°41'W. Pinto Basin, Calif., aftershock. Mag. 3.9		
BC	eP	15 44 20
OV	iP	15 44 33
	i(S)	45 12

Date and Station		Phase (GCT) h m s
May 26, cont.		
PF	iP	15 44 23
	i	44 28
	e(S)	44 55
May 26		
HH	iP	17 48 49
May 26		
HH	iP	18 44 28
May 26		
OV	iP	19 28 46
May 26		
HUAN	e(P)	23 22 28
	e	22 46
	i	23 19
	eL	23 38
May 26		
OV	e	23 36 03
May 27		
BC	eP	03 16 32
HH	iP	03 17 17
OV	iP	03 16 35
PF	iP	03 16 30
TUC	eP	03 16 04
May 27		
OV	e	04 11 33
May 27		
PF	iP	04 23 25
	e	23 35
	e(S)	24 11
May 27		
HH	iP	04 42 20
OV	eP	04 42 35
PF	i(P)	04 42 36
May 27		
OV	i	04 45 20
	e	46 27

Date and Station		Phase (GCT) h m s
May 27		
OV	e	06 00 24
May 27		
OV	eP	07 59 28
May 27		
HH	e(P)	09 13 09
	e	22 58
OV	e	09 11 49
SH	ePP	09 12 36
May 27, H = 10 59 22* 16°S, 172°W. Samoa Islands. h = about 60 km.		
BC	eP	11 11 01
COL	iP	11 11 42
	i	11 50
	i	11 58
HH	iP	11 11 39
LOG	eP	11 11 28
	e	11 36
OV	iP	11 11 04
PF	iP	11 11 05
SH	iP	11 10 48
	i	10 55
TUC	iP	11 11 06
	i	11 23
	e	15 09
	eL	34 06
May 27		
TUC	eP	14 06 31
May 27		
BC	eP	17 31 14
HUAN	eL	17 49 02
OV	eP	17 31 18
	e	33 28

Date and Station		Phase (GCT) h m s
May 27, cont.		
PF	iP	17 31 17
SH	iP	17 31 02
TUC	iP	17 31 20
May 27		
BC	eP	18 41 41
COL	iP	18 42 05
HH	eP	18 42 11
OV	iP	18 41 44
PF	iP	18 41 43
SH	iP	18 41 29
TUC	iP	18 41 45
May 27		
BC	eP	19 07 29
OV	eP	19 07 33
	iP	07 34
PF	iP	19 07 27
SH	e(P)	19 08 38
TUC	eP	19 06 30
	e	07 36
	e(S)	08 13
	eL	10 33
May 27		
BC	eP	20 00 45
OV	iP	20 00 50
PF	iP	20 00 43
SH	e(P)	20 01 54
TUC	e	20 00 07
	e	00 30
	eL	04 15
May 27		
COL	iP	21 38 48
	i	39 17

Date and Station		Phase (GCT) h m s
May 27		
COL	eP	22 09 58
May 28		
BC	e	05 41 48
OV	e	05 41 52
PF	eP	05 41 45
TUC	eP	05 40 48
May 28		
HH	iP	06 34 27
May 28		
COL	eP	14 12 28
May 28		
COL	e	15 13 46
May 28		
COL	eP	15 38 34
May 28, H = 16 01 17* 11°S, 165°E. Santa Cruz Islands.		
OV	e	16 14 23
SH	eP	16 13 56
May 28		
HH	iP	16 47 03
SH	iP	16 46 59
May 28		
OV	e	18 00 22
May 28		
TUC	eP	22 09 53
May 28		
OV	eP	23 36 18
TUC	e	23 36 17
May 29		
COL	eP	10 16 58
	e	18 08

Date and Station		Phase (GCT) h m s
May 29		
COL	e	12 40 31
HH	e	12 41 25
SH	iP	12 39 39
May 29		
COL	eP	23 38 56
	e	39 08
May 30, H = 00 01 13* 27°N, 79½°W. Near coast of Ecuador.		
HH	iP	00 10 44
TUC	eP	00 09 08
May 30, H = 01 32 44* 22°S, 69°W. Tarapaca Province, Chile. h = about 100 km. Mag. 7		
BER	eP	01 41 58
	ipP	42 20
	e(PP)	43 48
	eS	49 15
	eSS	53 35
	e	54 25
	eL	55 50
T_S = 10 sec. A = 1.0 mm.		
BUT	eP	01 44 36
	epP	45 08
	eS	54 18
	esS	55 09
	eL	02 10 21
CHI	eP	01 43 15
	epP	43 43
	epPP	46 03
	eS	51 41
	iS	51 43
	e	52 59
	e	53 47
	e(SS)	55 47
	eSSS	59 00
	eL	59 17

Date and Station		Phase (GCT) h m s
May 30, cont.		
COLU	eL	01 49 53
HUAN	eP	01 35 23
	i	36 51
	eS	37 31
	iS	37 37
	iL	38 05
HH	iP	01 44 49
	eS	54 43
NK	e(S)	01 51 08
	e(sS)	51 53
	eL	56 01
OV	iP	01 44 03
	eP'P'	02 11 51
PHIL	eP	01 42 47
	epP	43 17
	e	44 18
	eS	50 58
	esS	51 41
	eScS	52 32
	e	53 22
	eSS	55 15
	eL	57 51
PF	iP	01 43 59
	eS	53 52
RC	iP	01 44 04
	ipP	44 31
	e(pPP)	47 04
	iS	53 15
	esS	53 58
	e	54 44
	eSS	58 08
SLC	eP	01 44 15
	epP	44 43
	eS	53 33
	eL	02 03 18
SJ	eP	01 40 06
	epP	40 31
	ePP	41 34
	eS	45 47
	iS	45 51
	isS	46 22
	eL	48 56

Date and Station		Phase (GCT) h m s
May 30, cont.		
SEA	e(S)	01 55 23
	eL	55 27
SH	iP	01 44 53
	ipP	45 20
	eS	54 42
	e(SαS)	54 57
SIT	e	01 49 35
	eSKS	56 33
	eS	57 08
	e	02 02 38
	e(SS)	03 38
	e(SSS)	07 15
	eL	19 05
TUC	iP	01 43 30
	ipP	43 56
	e(PP)	46 14
	e(sPP)	46 57
	e(PPP)	48 50
	eS	52 10
	e(SαS)	53 17
	e	54 05
	e	58 08
	eL	02 00 50
	eP'P'	11 59
WASH	eP	01 42 47
	epP	43 12
May 30		
HH	iP	07 22 45
	i	23 29
PF	iP	07 22 52
SH	iP	07 22 36
TUC	iP	07 22 55
May 30		
HH	iP	07 38 21
	e(S)	38 48
	eL	38 59
May 30		
HUAN	e	08 39 53
	e	41 20
	eL	41 48

Date and Station		Phase (GCT) h m s
May 30		
HH	iP	10 02 16
PF	i(P)	10 02 50
SH	iP	10 02 08
May 30		
HUAN	eP	13 34 40
	i	34 42
	iS	35 15
	iL	35 31
May 30		
SH	iP	18 11 41
	i	11 48
	i(S)	12 00
May 30		
COL	iP	20 25 48
	i	26 06
May 30		
BC	eP	21 52 31
COL	eP	21 50 25
	iP	50 26
HH	iP	21 52 15
	eS	22 01 45
LOG	iP	21 52 31
	e	53 27
	e(S)	22 02 18
OV	eP	21 52 32
PF	iP	21 52 34
SH	iP	21 51 57
	i	53 52
	eS	22 01 20
TUC	eP	21 52 52
	e	54 48
May 31		
OV	i(P)	05 16 56
May 31		
OV	eP	07 36 52

Date and Station		Phase (GCT) h m s
May 31		
OV	iP	07 44 19
May 31		
OV	e	23 44 54
	i	45 00
June 1		
BC	iP	05 48 01
HH	iP	05 49 02
PF	iP	05 48 33
TUC	iP	05 48 37
June 1		
HH	eP	07 00 55
PF	iP	07 01 13
June 1		
BC	eP	07 46 54
HH	eP	07 47 38
LOG	eP	07 47 07
OV	eP	07 46 57
	i	47 20
PF	eP	07 46 56
TUC	eP	07 46 49
June 1, H = 07 23 15* 47½°N, 124½°W. Off coast of Washington.		
HH	iP	08 25 00
OV	eP	08 26 36
PHIL	eL	08 43 19
PF	eP	08 26 35
SIT	eL	08 26 30
TUC	eP	08 27 30
June 1		
TUC	eP	10 15 52

Date and Station		Phase (GCT) h m s
June 1		
BC	e(P)	10 20 47
OV	iP	10 20 50
	e	23 52
PF	eP	10 20 49
June 1		
BC	e(P)	11 03 04
OV	eP	11 03 02
PF	iP	11 03 01
TUC	e	11 03 02
June 1		
HH	eP	11 33 34
PF	e(P)	11 34 08
June 1		
HH	iP	17 41 01
June 1		
OV	eP	19 24 25
June 1		
OV	i	20 45 16
	e	46 03
June 1		
OV	iP	21 26 02
June 1		
BC	iP	21 36 02
HH	iP	21 35 30
PF	iP	21 36 05
June 1		
BC	i(P)	22 04 11
HH	eP	22 03 32
PF	i(P)	22 04 14
June 1		
BH	eP	23 27 00
	iS	27 08

Date and Station		Phase (GCT) h m s
June 2		
BC	iP	16 09 18
	i(S)	09 46
OV	eP	16 09 22
	iP	09 29
	e	10 10
PF	iP	16 09 19
	e(S)	09 48
	eL	09 58
TUC	e	16 09 52
	i	10 04
	e	10 42
	iL	11 06
June 3		
BC	e(P)	02 21 05
PF	e(P)	02 21 05
June 3, H = 03 06 45** Western South Dakota. Felt in Nebraska and South Dakota.		
HH	eP	03 08 52
	e	09 38
	iL	11 04
LOG	e(L)	03 10 45
PF	e(P)	03 10 11
RC	eP	03 07 08
	iL	07 30
TUC	e(P)	03 10 39
	eS	13 24
June 3		
HH	eP	07 06 45
June 3		
HH	iP	20 00 00
June 4, H = 00 55 00** Fiji Islands region. h = about 600 km.		
BC	iP	01 06 36

Date and Station		Phase (GCT) h m s
June 4, cont.		
HH	iP	01 07 08
LOG	eP	01 07 00
PF	iP	01 06 40
SH	iP	01 06 25
TUC	iP	01 06 42
June 4, H = 03 51 40** About 400 miles north of Guam.		
BC	iP	04 04 25
HH	iP	04 04 06
LOG	eP	04 04 24
PF	iP	04 04 27
	e	06 34
SH	iP	04 03 49
TUC	iP	04 04 45
June 4		
HUAN	iP	09 52 12
	iS	52 27
	iL	52 39
June 4		
PF	eP	19 45 36
June 4, H = 23 26 30* 19½°N, 67°W. Off north coast of Puerto Rico.		
BER	eL	23 33 02
COL	eP	23 37 33
HH	iP	23 35 05
LOG	eP	23 34 35
PHIL	eL	23 39 45
PF	eP	23 34 40

Date and Station		Phase (GCT)
		h m s
June 4, cont.		
SJ	iP	23 26 56
	i	27 04
	iS	27 14
	iL	27 34
SH	eP	23 35 33
TUC	eP	23 34 18
June 5		
PF	i(P)	04 10 00
TUC	eP	04 10 02
June 5		
HUAN	e	06 05 08
	eL	07 06
TUC	eP	06 12 25
June 5		
COL	e	11 46 20
TUC	eP	11 41 46
June 5		
BUT	e	12 49 16
	i	49 20
	e	49 23
	eL	49 30
June 5		
TUC	eP	17 42 56
	i	43 13
	i	43 22
	eS	43 52
	iS	44 07
	i	44 27
	iL	45 18
June 5		
BC	e	17 46 23
PF	e(P)	17 46 21
	i	46 29
June 5		
HH	iP	18 42 53
SH	e(P)	18 42 57

Date and Station		Phase (GCT)
		h m s
June 5, H = 19 26 40** Off southeast coast of Honshu, Japan. h = about 200 km.		
BC	eP	19 38 39
COL	eP	19 35 35
HH	iP	19 38 04
LOG	e(P)	19 38 31
PF	iP	19 38 41
SH	eP	19 37 55
	e	38 20
TUC	eP	19 39 02
June 5		
TUC	eP	22 16 53
	i	17 10
	e(S)	17 44
	i	17 59
	iL	18 12
June 5		
PF	eP	22 17 39
	eL	20 06
June 5		
BC	eP	22 20 10
June 6		
TUC	e	06 22 52
	i	23 07
	i	23 20
	e(S)	23 34
	e	23 51
	eL	24 05
June 6		
OV	eP	06 26 36
June 6, H = 06 59 04** Tonga Islands region. h = slightly greater than normal.		
BC	eP	07 11 24

Date and Station		Phase (GCT)
		h m s
June 6, cont.		
COL	iP	07 12 03
	i(pP)	12 15
HUAN	eL	07 41 27
HH	e	07 11 56
OV	eP	07 11 27
PHIL	eL	07 57 16
PF	eP	07 11 25
	e(pP)	11 38
SH	eP	07 11 14
	e(pP)	11 25
TUC	eP	07 11 27
	e(pP)	11 39
	eL	37 30
June 6		
COL	eP	08 42 23
June 6, H = 12 22 43 By PAS, 33°57'N, 116°30'W. Near Desert Hot Springs, Calif. Mag. 3.5		
BC	iP	12 23 21
	i(S)	23 58
OV	eP	12 23 32
	e	23 34
	i	23 41
	e(S)	24 22
PF	iP	12 23 29
	i(L)	24 14
TUC	e	12 24 03
	i	24 19
	e	24 39
	e(S)	24 58
	eL	25 17
June 6, H = 13 52 16** New Hebrides Islands region.		
BC	eP	14 05 26

Date and Station		Phase (GCT) h m s
June 6, cont.		
COL	iP	14 05 06
HH	iP	14 05 45
OV	iP	14 05 30
	i	06 39
PF	iP	14 05 30
SH	iP	14 05 07
TUC	eP	14 05 36
June 6		
OV	e	18 55 59
June 6		
OV	eP	20 09 03
June 6		
COL	iP	21 31 01
	i	31 44
June 6		
BC	iP	22 59 23
HH	eP	22 59 08
PF	iP	22 59 26
SH	iP	22 58 49
June 7, H = 04 35 45** Near south coast of Alaska.		
BC	iP	04 42 29
COL	eP	04 36 51
	iP	36 52
	iS	37 39
HH	iP	04 41 04
LOG	eP	04 41 58
OV	eP	04 42 27
	iP	42 28
PF	iP	04 42 31

Date and Station		Phase (GCT) h m s
June 7, cont.		
SH	eP	04 41 26
TUC	iP	04 43 10
	e	43 36
June 7		
HH	e(P)	04 48 09
June 7, H = 05 24 20* 57°N, 165°E. Off northeast coast of Kamchatka.		
BC	iP	05 34 02
COL	iP	05 29 42
HH	iP	05 33 00
	i	34 23
	i	34 55
LOG	eP	05 33 42
OV	iP	05 34 01
	i	34 26
PF	iP	05 34 04
SH	iP	05 33 06
	e	33 26
	i	33 47
TUC	iP	05 34 34
June 7		
OV	e	08 58 55
PF	e	08 58 44
TUC	eP	08 57 50
	e	58 28
	eL	09 03 17
June 7		
BC	iP	12 08 11
COL	eP	12 05 08
HH	iP	12 07 37
	i	07 49
LOG	eP	12 08 04

Date and Station		Phase (GCT) h m s
June 7, cont.		
OV	iP	12 08 11
PF	iP	12 08 12
SH	iP	12 07 29
TUC	eP	12 08 34
June 7		
OV	iP	15 01 36
June 7		
OV	iP	21 30 30
June 8		
BC	eP	04 24 46
PF	iP	04 24 42
TUC	eP	04 23 59
	e	24 34
June 8, H = 05 00 54* 63°N, 153°W. Central Alaska.		
BC	iP	05 07 55
BOZ	eL	05 16 05
BUT	eL	05 15 50
CHI	eL	05 23 12
COL	iP	05 01 32
	iS	01 56
	iL	02 27
HH	iP	05 06 25
	i	06 29
	eL	14 53
LIN	eL	05 21 49
LOG	eP	05 07 18
	ePcP	10 11
	eL	17 40
OV	iP	05 07 52
	i	08 07
	iPcP	10 23

Date and Station		Phase (GCT) h m s
June 8, cont.		
PHIL	eL	05 26 38
PF	iP	05 07 56
	iPcP	10 24
RC	eL	05 18 41
SEA	eL	05 13 20
SH	eP	05 06 54
	i	06 58
SIT	eP	05 03 14
	e	04 15
	e(S)	05 09
	eL	05 38
TUC	iP	05 08 35
	e	09 47
	iPcP	10 38
	eL	24 20
June 8		
BC	e	07 57 23
June 9		
OV	e	01 40 15
June 9		
TUC	eP	03 59 24
June 9		
OV	e	04 05 57
TUC	e	04 05 24
June 9		
OV	e	04 36 13
June 9		
HH	e(P)	07 58 43
OV	eP	07 57 26
PF	iP	07 57 19
TUC	eP	07 56 31
June 9		
HH	eP	09 34 59
	i	35 12
	eL	36 28

Date and Station		Phase (GCT) h m s
June 9, cont.		
LOG	iP	09 33 49
	i	34 02
	iS	34 09
	iL	34 18
OV	eP	09 35 07
	e	35 15
PF	iP	09 35 09
	eL	37 26
TUC	e	09 36 30
	i	36 36
	eS	37 45
	eL	38 32
June 9, H = 10 49 10* 14½°N, 91°W. Off coast of Guatemala. h = about 100 km.		
BC	iP	10 55 17
	epP	55 36
	iPcP	58 16
HH	eP	10 56 29
	iPcP	58 39
LOG	eP	10 55 37
OV	iP	10 55 18
	iPcP	58 16
PF	iP	10 55 13
	iPcP	58 14
SH	eP	10 56 19
	iPcP	58 35
TUC	eP	10 54 32
	e(pP)	55 06
	iPcP	58 04
	eS	58 43
	eL	11 02 47
June 9		
OV	eP	15 49 17
June 9		
HUAN	e	16 16 08
	e	16 11
	iS	17 02
	iL	17 28

Date and Station		Phase (GCT) h m s
June 9		
HH	iP	19 06 33
June 9, H = 21 18 47* 16½°S, 174°W. Samoa Islands region. Felt in Apia. h = about 200 km.		
BC	iP	21 30 23
COL	iP	21 30 58
	ipP	31 41
HH	iP	21 30 59
	iPP	34 14
LOG	iP	21 30 48
	e	33 36
	e(S)	40 47
OV	iP	21 30 25
PF	iP	21 30 26
	e(PcP)	30 36
	e	30 44
	e(S)	40 05
SH	iP	21 30 10
	ipP	30 53
TUC	iP	21 30 28
	epP	31 10
	ipP	31 14
	esP	31 32
	e	32 07
	e	32 36
	eS	40 13
June 10		
TUC	eP	01 51 54
June 10		
BC	iP	03 08 05
	eL	09 40
BOZ	eL	03 12 33
BUT	eL	03 12 36
HH	iP	03 09 40
	eL	13 17

Date and Station		Phase (GCT) h m s
June 10, cont.		
LOG	e	03 09 00
	eL	11 24
OV	eP	03 08 08
	i	08 29
	iL	09 46
PHIL	eL	03 24 23
PF	iP	03 08 13
	eL	09 55
SH	iP	03 07 31
	i	07 36
	i(S)	08 15
TUC	eP	03 09 05
	e	09 32
	e(S)	10 22
	eL	11 18
UK	eP	03 07 20
	e	07 39
	eS	07 55
	eL	08 07
June 10		
BC	e	05 06 20
OV	e	05 06 26
	i	08 03
PF	e(P)	05 06 12
June 10		
BC	eP	06 23 55
HH	iP	06 23 02
OV	iP	06 23 54
PF	eP	06 23 56
SH	iP	06 23 20
June 10		
HH	eP	10 06 36
June 10		
HH	iP	12 07 40
OV	eP	12 07 56

Date and Station		Phase (GCT) h m s
June 10, cont.		
PF	iP	12 07 57
SH	eP	12 07 20
June 10		
HH	e	14 01 49
June 10		
OV	eP	20 13 21
June 10		
BH	iP	20 19 53
	iS	20 32
June 11		
OV	eP	00 10 38
June 11		
HH	eP	01 21 49
PF	e	01 21 42
June 11		
HUAN	eS	02 45 12
	eL	49 05
June 11, H = 07 34 55* 12½°N, 87°W. Near west coast of Nicaragua. h = about 100 km.		
BER	eL	07 41 40
BH	eP	07 36 58
BC	eP	07 41 33
	ePcP	44 10
	e(ScP)	47 58
BOZ	eL	08 00 35
HUAN	eP	07 40 34
HH	iP	07 42 40
	ipP	42 59
	iPcP	44 34
LOG	iP	07 41 50
	i	42 00
	e	42 41
	eS	47 21

Date and Station		Phase (GCT) h m s
June 11, cont.		
OV	eP	07 41 33
	iPcP	44 10
PHIL	eP	07 40 53
	e(pP)	41 08
	eS	45 41
	esS	46 27
	eL	50 53
PF	eP	07 41 29
	ePP	42 41
	ePcP	44 09
	e(ScP)	47 56
RC	eP	07 41 40
	epP	43 01
SJ	eP	07 39 36
	ePP	40 19
	e	40 38
	e(S)	43 45
	eL	44 40
SH	iP	07 42 34
	iPcP	44 31
SIT	eL	08 09 25
TUC	iP	07 40 49
	iPP	41 31
	iPcP	43 56
	e(S)	45 11
	eL	47 00
	eScS	50 30
WASH	iP	07 40 41
	eL	46 48
June 11		
TUC	eP	11 28 40
June 11		
HH	iP	14 27 26
OV	e	14 28 15
	e	31 31
SH	iP	14 27 27
June 11		
HH	iP	15 17 21

Date and Station		Phase (GCT) h m s
June 11, cont.		
OV	eP	15 18 46
PF	e	15 18 48
TUC	eP	15 19 08
June 11		
BC	e	15 53 37
HUAN	eL	15 54 20
HH	eP	15 54 54
LOG	eP	15 54 06
OV	eP	15 53 40
PF	eP	15 53 35
TUC	eP	15 52 56
June 11		
OV	e	17 39 24
June 11		
HH	iP	18 17 22
OV	iP	18 18 46
PF	eP	18 18 49
TUC	eP	18 19 09
June 11		
COL	e	21 30 08
	e(S)	31 03
	eL	31 18
OV	e	21 36 05
June 12		
OV	iP	02 21 02
June 12, H = 04 31 36* 19°N, 69°W. Near east coast of Dominican Republic.		
BER	eL	04 38 11
BC	eP	04 39 45

Date and Station		Phase (GCT) h m s
June 12, cont.		
HH	iP	04 40 05
LOG	eP	04 39 34
OV	eP	04 39 42
	iP	39 43
PHIL	eS	04 40 20
	eL	42 11
PF	eP	04 39 40
SJ	eP	04 32 19
	e	32 37
	iS	32 51
	iL	32 58
SH	eP	04 40 24
TUC	eP	04 39 12
June 12		
BH	eP	07 18 09
	iS	18 34
June 12		
HH	iP	09 24 51
June 12		
TUC	eP	12 47 07
June 12		
OV	e	14 39 45
TUC	iP	14 40 23
June 12, H = 17 52 26* 28°S, 63½°W. Northern Argentina. h = about 650 km. Mag. 6.9		
BER	eP	18 02 30
	iS	10 00
	eScS	11 22
	esS	13 15
	e	15 21
	eL	16 40
BOZ	e	18 06 10
	epP	06 24
	eS	13 30
	e(SS)	19 44

Date and Station		Phase (GCT) h m s
June 12, cont.		
BUT	eP	18 04 03
	ePP	07 30
	eS	13 31
	e	13 47
	eSP	14 45
	e(sS)	17 38
	eL	24 43
HUAN	iP	17 56 15
	i	56 50
	e	57 59
	e	58 48
	iS	59 17
	iL	18 00 10
	iScS	06 32
HH	iP	18 04 15
	ipP	06 23
	eSKS	13 45
LOG	iP	18 03 46
	epP	05 52
	e(PP)	07 30
	eS	13 09
	esS	16 44
	eSKPP'	32 37
OV	iP	18 03 36
	ipP	05 40
	iPP	07 03
	eP'P'	30 21
	eSKPP'	32 27
PHIL	eP	18 02 27
	epP	04 30
	eS	10 42
	iS	10 43
	eScS	11 29
	esS	14 11
	eL	21 09
PF	iP	18 03 33
	ipP	05 40
	eS	12 43
	eP'P'	30 23
FC	eP	18 03 44
	epP	05 49
	ePP	07 09
	iS	13 01
	esS	16 50

Date and Station		Phase (GCT)
		h m s
June 12, cont.		
SJ	eP	17 59 52
	ePcP	18 01 22
	e	02 21
	iS	05 48
	eL	07 14
SH	iP	18 04 10
	ipP	06 18
	iS	14 00
TUC	iP	18 03 08
	e(PcP)	03 30
	ipP	05 11
	i	05 37
	eS	11 58
	eSP	12 26
	eL	20 42
	eP'P'	30 18
	eSKPP'	33 08
WASH	iP	18 02 23
	ipP	04 23
	eS	10 38
June 12, H = 17 55 53* 28°S, 63½°W. Northern Argentina aftershock. h = about 650 km. Mag. 6.9		
HUAN	i	18 02 07
	iS	02 49
	eL	03 06
	iPcP	03 35
HH	iP	18 07 43
	eSKS	17 14
LOG	iP	18 07 14
	i(S)	16 42
PF	iP	18 06 59
	e(S)	16 16
SJ	e(P)	18 03 37
	iPcS	08 44
	eS	09 13
	e	10 25
SH	iP	18 07 38
	iS	17 53

Date and Station		Phase (GCT)
		h m s
June 12, cont.		
TUC	iP	18 06 35
	ipP	08 37
	e	14 22
	eS	15 27
June 12		
OV	eP	21 18 16
June 13, H = 01 58 58* 28°S, 63½°W. Northern Argentina aftershock. h = about 650 km.		
HH	iP	02 10 48
OV	iP	02 10 09
	i	12 14
PF	iP	02 10 05
TUC	iP	02 09 40
June 13, H = 06 42 21** Kurile Islands region.		
BC	iP	06 53 27
COL	iP	06 49 47
HH	iP	06 52 39
LOG	eP	06 53 15
OV	iP	06 53 26
PF	eP	06 53 30
TUC	iP	06 53 57
June 13		
BC	e	13 29 04
OV	eP	13 29 06
	iP	29 07
PF	iP	13 29 07
SH	iP	13 28 52
TUC	iP	13 29 09

Date and Station		Phase (GCT)
		h m s
June 13		
BH	e	17 59 12
	i	18 02 39
June 14, H = 00 21 14* 12°N, 95½°E. Bay of Bengal.		
HH	e	00 38 32
	ePP	40 59
LOG	ePP	00 41 45
OV	eP'	00 40 18
	iP'	40 31
PHIL	eSS	00 59 48
	eL	01 15 33
PF	eP'	00 40 20
SH	ePP	00 41 24
TUC	eP'	00 40 28
	e	40 39
	ePP	42 41
June 14		
BC	eP	04 54 47
	e(S)	55 06
	eL	55 13
OV	iP	04 54 54
PF	eP	04 54 59
	i(S)	55 32
TUC	e	04 55 14
	e	55 55
	e(S)	56 13
	eL	57 16
June 14, H = 05 49 00* 52°N, 160°W. Aleutian Islands region.		
BC	eP	05 56 59
	e	57 07
COL	eP	05 53 05
	iP	53 07

Date and Station		Phase (GCT)
		h m s
June 14, cont.		
HH	eP	05 56 00
	i	06 02 11
LOG	eP	05 56 53
OV	eP	05 56 55
PF	eP	05 57 01
SH	eP	05 55 47
	i	56 04
TUC	iP	05 57 34
	i	57 46
June 14		
OV	eP	08 06 42
PF	eP	08 06 35
TUC	iP	08 05 38
June 14		
HH	eP	11 57 42
OV	iP	11 58 40
PF	iP	11 58 45
TUC	e	11 59 23
June 14		
PF	eP	12 51 12
SH	iP	12 48 44
	e(S)	49 03
	eL	49 13
June 14		
BH	e	14 08 34
	e	09 59
June 14		
COL	e	19 50 31
June 15, H = 01 47 25* 51°N, 179°W. Aleutian Islands. h = about 100 km.		
June 15, cont.		
BC	eP	01 55 55
	e(PcS)	02 01 17
COL	iP	01 52 07
	iPP	52 48
	e	54 46
HH	iP	01 55 02
	eS	02 01 04
LOG	eP	01 55 43
OV	eP	01 55 59
PF	eP	01 55 28
PHIL	eS	02 06 58
	eL	24 29
SH	iP	01 54 55
TUC	iP	01 56 32
June 15		
COL	e	02 52 11
	eS	52 40
	iL	53 08
June 15, H = 07 10 31 By PAS, 34°01'N, 115°41'W. Pinto Basin, Calif. aftershock. Mag. 3.9		
BC	eP	07 11 09
	e	11 12
	i(S)	11 41
PF	eP	07 11 13
	i(S)	11 48
TUC	eP	07 11 42
	i	11 59
	i	12 38
	e	13 03
June 15		
OV	iP	08 54 36
June 15		
COL	eP	09 53 48
June 15, cont.		
HH	iP	09 55 58
June 15		
COL	iP	09 57 35
	i	57 40
	i	57 49
	iS	57 56
	iL	58 13
June 15		
HH	i(P)	10 29 01
June 15		
COL	iP	23 07 49
	i	07 51
	i	08 20
	eL	08 29
	iL	08 49
June 16		
TUC	eP	01 23 45
June 16		
HUAN	eP	02 31 13
	iP	31 15
	i	31 30
	iS	31 51
	iL	32 02
OV	eP	02 41 10
TUC	iP	02 40 10
June 16		
BC	e	02 53 55
HH	i(P)	02 50 17
LOG	eP	02 52 49
	e	53 12
OV	e(P)	02 50 31
	i(P)	50 33
	i	54 00
	i	54 13
PF	e	02 54 00
	i	54 27
SH	i(P)	02 50 16
TUC	iP	02 50 32
	i	54 10

Date and Station		Phase (GCT)
		h m s
June 16, H = 03 47 34 By BERK, 36°45'N, 121°40'W. Near Hollister, Calif. Felt. Mag. 3.9		
BC	e	03 49 12
PF	e	03 49 08
	e	49 38
SH	iP	03 48 36
TUC	e	03 50 44
	eL	53 07
June 16, H = 06 24 28 By PAS, 36°20'N, 116°50'W. Death Valley, Calif. Mag. 3.7		
BC	eP	06 24 58
	e(S)	25 17
OV	eP	06 25 01
	iP	25 02
	i(S)	25 33
PF	eP	06 25 06
	i	25 08
	i(S)	25 37
TUC	e	06 26 04
	i	26 29
	e	27 10
	i(S)	27 40
	iL	27 50
June 16		
HH	e(P)	10 06 52
	e(L)	07 12
June 16		
SH	i	10 17 53
TUC	eP	10 18 10
June 16, H = 17 57 58** Gulf of Aden, off south coast of Arabia.		
BER	eL	18 46 10

Date and Station		Phase (GCT)
		h m s
June 16, cont.		
HUAN	eL	18 55 44
PHIL	eL	18 48 36
June 16		
OV	eP	20 00 10
June 17, H = 01 34 50* 3°S, 12½°W. Atlantic Ocean, about 400 miles north of Ascension Island.		
TUC	eP	01 42 24
June 17		
HUAN	eL	02 06 17
June 17		
TUC	eP	02 57 58
	e	58 02
	e	03 04 06
June 17, H = 04 24 55** 34°N, 28°E. Mediterranean Sea, about 100 miles east of Crete.		
COL	iP	04 32 15
HH	iP	04 34 02
	eS	44 27
TUC	eP	04 34 59
June 17		
COL	eP	04 50 47
June 17		
OV	i	06 08 05
	i	08 55
June 17		
COL	eP	07 49 58
June 17		
TUC	iP	15 15 09
	e(S)	15 40
	iS	15 44
	i	15 57
	eL	16 02
	iL	16 13

Date and Station		Phase (GCT)
		h m s
June 17		
OV	i	18 11 31
June 18		
HH	iP	03 38 41
	i(pP)	38 55
June 18		
TUC	eP	05 39 40
June 18		
TUC	eP	11 41 43
June 18		
TUC	eP	13 11 28
June 19		
BER	eL	00 02 00
BC	e	23 56 06
CHI	e	00 03 32
COLU	e	23 59 27
HH	i(P)	23 58 49
LOG	e	23 58 14
PHIL	e	00 00 34
	eL	02 53
SJ	e	23 59 21
	eL	00 00 10
TUC	e	23 57 35
June 19		
TUC	eP	02 21 53
June 19		
HH	iP	09 01 31
LOG	e	09 01 38
TUC	e	09 01 39
June 19		
HUAN	eL	09 29 12
June 19, H = 12 24 14* 23½°N, 45°W. North Atlantic Ocean.		

Date and Station		Phase (GCT) h m s
June 19, cont.		
BER	e(P)	12 29 35
	eL	33 02
BC	eP	12 34 32
COL	eP	12 35 54
HH	iP	12 34 17
LOG	eP	12 34 08
OV	iP	12 34 28
PF	iP	12 34 25
SJ	eP	12 29 03
	eS	32 52
	eL	33 30
SH	i	12 35 02
TUC	iP	12 34 12
	e	35 13
	e	37 09
June 19		
SH	iP	19 07 02
TUC	iP	19 07 11
	i	07 27
June 19, H = 22 04 28* 61°N, 150°W. Southern Alaska. h = about 100 km.		
BC	e	22 11 06
BUT	e(S)	22 14 54
	eL	18 15
CHI	eL	22 25 29
COL	iP	22 05 23
	i(S)	06 32
	iL	07 45
HH	iP	22 09 38.5
	epP	09 54
	eS	14 10

Date and Station		Phase (GCT) h m s
June 19, cont.		
LOG	eP	22 10 33
	epP	10 47
OV	eP	22 11 03
	ipP	11 22
PHIL	eL	22 27 07
PF	iP	22 11 05
RC	eL	22 21 20
SH	iP	22 10 03
	epP	10 19
SIT	eS	22 07 58
	eL	08 53
TUC	eP	22 11 47
	e	11 59
June 20		
OV	eP	08 36 40
	i	37 16
June 20		
HH	eP	08 40 16
June 20		
HH	iP	09 29 51
OV	iP	09 29 23
PF	iP	09 29 22
SH	iP	09 29 05
TUC	eP	09 29 27
June 20		
HH	e	18 54 01
	e	54 29
LOG	e	18 54 15
OV	e	18 53 54
PF	eP	18 53 53
SH	iP	18 53 39
TUC	e	18 53 55

Date and Station		Phase (GCT) h m s
June 20		
OV	i(P)	19 44 07
	i(S)	44 47
June 20		
HUAN	eP	21 00 45
	i(S)	01 04
	iL	01 27
HH	eP	21 11 31
OV	i	21 10 30
PF	e	21 10 01
TUC	iP	21 09 53
	e	10 12
June 21		
HH	iP	00 29 11
	e(S)	29 27
June 21		
PF	e	03 49 48
June 21		
HH	eP	09 03 05
	e	03 30
PF	iP	09 02 15
	e	02 40
SH	e(P)	09 03 23
TUC	e	09 02 10
June 21		
BC	eP	09 24 17
PF	eP	09 24 13
TUC	eP	09 23 31
	e	24 35
June 21		
PF	e	10 34 16
TUC	eP	10 33 35
June 21		
HH	e	13 31 42
PF	e	13 32 08

Date and Station		Phase (GCT) h m s
June 21, cont.		
SH	e(P)	13 31 28
June 21		
BC	eP	20 02 46
OV	eP	20 02 48
PF	e	20 02 46
June 22		
COL	iP	02 17 49
June 22		
TUC	eP	03 30 26
	i	30 42
	e	30 50
	eS	31 21
	i	31 36
	eL	31 50
June 22		
COL	iP	05 53 30
	i	53 32
	iS	53 36
	i	53 39
	iL	53 49
June 22		
PF	eP	08 35 08
SH	e(P)	08 34 50
TUC	eP	08 35 12
June 22		
OV	eP	09 35 08
June 22		
OV	iP	11 39 26
June 22		
OV	iP	11 46 42
PF	iP	11 46 42
June 22		
COL	iP	11 52 12
	i	52 14
	iS	52 19
	i	52 20
	iL	52 29

Date and Station		Phase (GCT) h m s
June 22, H = 13 04 45* 19°N, 69°W. Near east coast of Dominican Republic.		
BER	eL	13 11 12
BC	eP	13 12 53
CHI	eL	13 23 31
HH	eP	13 13 14
	i	13 36
LOG	eP	13 12 44
OV	eP	13 13 01
	iP	13 02
PHIL	eS	13 13 30
	eL	15 20
PF	eP	13 12 48
SJ	eP	13 05 31
	e	05 48
	eS	06 01
	iS	06 02
	iL	06 05
SH	eP	13 13 40
TUC	e	13 12 37
June 22		
OV	i	14 17 22
June 22, H = 18 08 46 By BERK, 37°20'N, 121°41'W. West-central California. Felt in San Jose, San Francisco, and San Mateo. Mag. 4.1		
BC	e	18 10 34
OV	eP	18 10 17
	i	10 36
PF	eP	18 10 22

Date and Station		Phase (GCT) h m s
June 22, cont.		
SH	eP	18 09 38
	e	09 50
	eS	10 08
	eL	10 20
TUC	eL	18 14 27
June 22		
COL	iP	18 56 58
	iS	57 04
	iL	57 13
June 23		
HH	eP	01 05 08
PF	e	01 04 40
SH	e(P)	01 04 24
TUC	eP	01 04 48
June 23		
COL	e	07 41 28
HH	eP	07 40 30
PF	e	07 41 08
SH	iP	07 40 37
June 23		
COL	eP	08 27 07
OV	e	08 26 34
June 23		
COL	eP	09 20 47
June 23		
HH	iP	11 06 42
	i	06 45
	e(S)	07 16
	i	07 22
June 23		
COL	iP	13 26 22
	iL	27 51
PF	iP	13 32 36

Date and Station		Phase (GCT) h m s
June 23		
BC	e(P)	14 32 52
	e	36 12
HH	eP	14 35 14
LOG	e(P)	14 35 01
	eL	38 36
OV	eP	14 32 58
	e	36 02
	e	36 39
SH	e(P)	14 34 27
TUC	eP	14 31 45
	i	32 10
	i(S)	33 12
	eL	33 21
	iL	33 24
June 23		
COL	iP	17 15 53
	i	15 55
	iS	16 04
	i	16 11
	iL	16 14
June 23, H = 18 47 09** Kurile Islands region.		
COL	eP	18 54 10
HH	eP	18 57 16
OV	eP	18 58 01
PF	iP	18 58 06
SH	eP	18 57 14
June 23, H = 22 27 15* 16½°S, 168°E. New Hebrides Islands. h = about 200 km. Mag. 6½-6-3/4		
BC	eP	22 39 54
	epP	40 40
	ePP	43 30
	eSP	51 36

Date and Station		Phase (GCT) h m s
June 23, cont.		
BOZ	e	22 52 06
	e	52 43
	e	23 02 20
	eL	07 52
BUT	e	22 41 19
	e(S)	51 15
	e	51 34
COL	epP	22 40 28
	ipP	40 29
HH	eP	22 40 59
	ePP	44 48
	eSKS	51 54
HONO	e	22 36 48
	e(PP)	37 34
	e(S)	42 49
	esS	44 04
	e	47 17
	eL	48 05
LOG	epP	22 40 59
	esP	41 12
	ePP	44 00
	epPP	44 46
	e(SKS)	49 59
	eS	51 08
	esS	52 01
	ePS	52 30
OV	iP	22 39 56
	ipP	40 41
PHIL	e(sS)	22 56 22
	eSS	23 03 31
	esSS	04 42
	eSSS	08 09
	eL	16 03
PF	iP	22 39 55
	ipP	40 43
	eSP	51 40
RC	e	22 45 33
	eSKS	51 05
	eS	52 05
	e	52 33
	e	56 15

Date and Station		Phase (GCT) h m s
June 23, cont.		
SJ	e	22 47 05
	ePKS	49 23
	epPKS	50 28
	ePPP	51 24
	epPS	59 12
	e	23 01 17
	eSS	05 09
	eSSS	10 27
SEA	eSKS	22 49 53
SH	eP	22 39 36
	ipP	40 22
SIT	eL	23 03 52
TUC	eP	22 40 02
	iP	40 03
	i(pP)	40 50
	ePP	43 35
	e(PPP)	45 20
	eS	50 50
	eSP	51 44
	esS	52 10
	e(PS)	52 18
	e	58 26
	eL	23 07 19
June 24		
BC	eP	07 48 08
PF	iP	07 48 11
SH	iP	07 47 59
TUC	eP	07 48 11
June 24		
COL	eP	10 31 04
HH	eP	10 31 07
PF	iP	10 30 28
SH	i(P)	10 30 23
TUC	eP	10 30 39
June 24		
COL	e	12 43 56
TUC	eP	12 41 45

Date and Station		Phase (GCT)
		h m s
June 24, H = 16 03 03* 12½°S, 171½°W. Samoa Islands. Felt in Apia.		
BC	eP	16 14 29
COL	eP	16 15 08
	e	16 12
HH	iP	16 15 08
OV	iP	16 14 33
PF	iP	16 14 33
SH	i(P)	16 14 17
OV	iP	17 17 07
TUC	eP	16 14 35
	e	14 56
June 24		
BC	eP	21 19 59
PF	eP	21 20 02
SH	i(P)	21 19 43
TUC	eP	21 20 07
June 24, H = 22 38 48* 5°S, 106½°E. Java Sea. h = about 60 km. Mag. 7		
BER	e(P')	22 59 25
	ePP	23 03 10
	eSKSP	13 31
	eL	40 44
BC	eP'	22 57 53
	e	23 01 24
BOZ	ePKS	23 01 19
	e(PPP)	03 20
	ePS	10 22
	eL	42 32
BUT	ePKS	23 01 13
	eL	48 21
COL	e	22 59 06

Date and Station		Phase (GCT)
		h m s
June 24, cont.		
CHI	eP'	22 58 12
	e(PP)	23 01 24
	eSKP	01 52
	e	05 46
	e	08 30
	e	16 11
	eL	38 47
COLU	eL	23 53 44
HONO	eL	23 28 22
HUAN	eP'	22 58 46
	ePPP	23 07 50
	eSKKS	09 56
	eSKSP	13 42
	i(SS)	23 08
	eL	59 00
HH	iP	22 57 46
	e	23 06 38
LOG	iP'	22 57 56
	e(pP')	58 12
	iSKP	23 01 18
	eSKSP	10 19
	eSPP	12 11
	eL	42 10
OV	iP'	22 58 00
	i(PP)	23 00 55
	iSKP	01 25
PHIL	eP'	22 58 21
	ipP'	59 07
	e	23 01 27
	e	02 26
	e(SKKS)	08 32
	e(SKSP)	12 15
	eL	43 41
PF	e	22 57 51
	eP'	58 01
	eSKP	23 01 25
RC	eP'	22 58 05
	ePKS	23 01 35
	eSKS	05 08
	eL	42 20
SJ	e	22 58 45
	eP'	58 55

Date and Station		Phase (GCT)
		h m s
June 24, cont.		
SJ, cont.	i	23 03 29
	e	06 51
	e	10 37
	eSKSP	14 15
	e	22 42
	e(SS)	24 43
	e	29 30
	e	30 34
	eL	00 02 11
SH	iP'	22 57 44
	epP'	58 16
	ePP	59 32
SIT	eL	23 34 52
TUC	e	22 57 57
	iP'	58 09
	e(pP')	58 27
	e	23 00 45
	e(PP)	00 52
	e	01 09
	ePKS	01 45
	e	03 28
	epPPP	04 47
	eSKSP	11 13
	eSPP	13 10
	eL	35 20
UK	eL	23 37 45
June 24		
OV	iP	23 37 13
June 25		
HH	e(P)	00 34 20
	i	34 24
SH	iP	00 34 50
June 25		
OV	iP	01 19 14
June 25		
OV	i(P)	02 14 28
	e	14 31
	i	15 04
	i(S)	15 39
June 25		
COL	iP	10 08 27
	i	08 29

Date and Station		Phase (GCT) h m s
June 25, cont.		
COL, cont.		
	iS	10 08 35
	iL	08 50
June 25		
COL	iP	11 32 13
	i	32 16
	i	32 26
	i(S)	32 54
	i	32 59
	iL	33 26
June 25		
COL	iP	11 35 53
	iS	36 01
	iL	36 22
June 25		
COL	e	16 27 06
June 25		
OV	iP	16 55 54
June 25		
COL	iP	17 16 55
	iL	17 22
June 25		
OV	eP	17 43 27
June 25		
COL	iP	17 54 02
	iL	55 16
June 25, H = 19 17 10** Tonga Islands region.		
BER	eL	20 24 36
BC	eP	19 29 22
BUT	eL	19 56 40
COL	eP	19 30 03
	i	30 14
COLU	eL	20 03 22
HONO	eL	19 36 22
HH	eP	19 29 59

Date and Station		Phase (GCT) h m s
June 25, cont.		
LOG	eP	19 29 46
	e(PP)	32 59
OV	iP	19 29 26
PHIL	ePS	19 46 07
	eSS	51 46
	eL	20 10 36
PF	eP	19 29 25
SH	eP	19 29 11
	i	29 23
TUC	eP	19 29 26
	ePP	32 30
	ePPP	34 35
	eS	39 36
	e(SS)	44 18
	eL	54 22
WASH	ePP	19 36 12
	eL	20 12 37
June 25		
TUC	eP	21 35 20
	iP	35 23
	eS	35 53
	i	36 02
	i	36 11
	eL	36 17
June 25		
HUAN	e	20 48 16
	eL	21 01 05
June 25		
HUAN	e	23 59 17
	e	00 00 05
	eL	00 23
June 26, H = 01 35.4 By BERK, 31.1°N, 113.9°W. Northern Gulf of California. Mag. 4.3		
OV	e	01 37 48
	eS	38 17
PF	iP	01 36 35
	iL	38 18

Date and Station		Phase (GCT) h m s
June 26, cont.		
TUC	iP	01 36 08
	i	36 20
	i(S)	36 41
	i	37 02
	iL	37 33
June 26		
HUAN	iP	04 57 01
	iS	57 27
	iL	57 40
June 26		
HH	eP	05 33 13
	i(S)	33 24
June 26, H = 05 42 24* 40°N, 21°E. Northwestern Greece.		
HH	iP	05 54 54
LOG	e	05 55 53
TUC	eP	05 55 51
June 26, H = 08 41 16* 0°, 125°E. Celebes Island region. Mag. 6½		
BER	eP'	09 02 03
	ePKS	05 45
	eSS	23 45
	eL	37 28
CHI	eP'	09 00 36
	ePP	02 40
	eSKSP	12 39
	eSS	20 06
	eL	43 31
COL	eP	08 54 14
	ePP	57 44
HONO	e	08 53 35
	eS	09 03 09
	eL	20 05

T_L = 20 sec. $A_{max.}$ = 1.5mm.

Date and Station		Phase (GCT)
		h m s
June 26, cont.		
HUAN	eP'	09 01 19
	e	02 36
	eSKKS	12 09
	eSKSP	15 47
	e	24 16
	e(SS)	26 06
	eSSS	31 27
	eL	47 00
HH	eP	08 55 36
	eP'	59 26
	e(PS)	09 09 53
LOG	eP'	08 59 59
	ePKKP	09 11 05
PHIL	ePP	09 03 21
	ePKS	04 17
	eSS	21 21
	e	21 40
	eL	36 35
PF	eP'	09 00 03
	ePS	10 44
SJ	eP'	09 01 57
	ePP	05 23
	e	09 40
	eSKKS	12 18
	e	13 33
	e(PPS)	19 50
	e(SS)	25 00
	eSS	25 27
	e	30 41
	eSSS	31 19
	eL	56 14
SH	eP	08 55 37
	iP'	59 23
	iPP	59 58
	iPKKP	09 11 17
SIT	eSKS	09 05 28
	e(S)	06 10
	ePS	07 16
	eL	29 28
TUC	eP'	09 00 10
	ePP	01 23
	e	01 45
	ePPP	03 46

Date and Station		Phase (GCT)
		h m s
June 26, cont.		
TUC, cont.		
	eSKS	09 07 09
	eSP	11 10
	ePS	11 28
	e(SS)	16 38
	eL	35 52
WASH	iP'	09 00 44
	ePP	03 23
	eL	43 52
June 26		
TUC	eP	11 40 35
	i	40 42
	e(S)	41 12
	i(S)	41 22
	i	41 31
	eL	41 50
June 26, H = 14 07 10** Off east coast of Kamchatka.		
HH	e(P)	14 15 59
PF	iP	14 17 02
SH	eP	14 16 04
June 26		
COL	eP	14 46 47
June 26		
COL	eP	15 44 51
	e	45 12
June 26		
HH	iP	18 31 46
	i(S)	32 12
June 26		
COL	iP	20 20 13
	i	20 15
	i(S)	20 20
	iL	20 31
June 26, H = 20 59 28** Off east coast of Kamchatka.		
COL	iP	21 04 58
	ePP	05 38

Date and Station		Phase (GCT)
		h m s
June 26, cont.		
HH	eP	21 08 16
LOG	eP	21 08 58
OV	iP	21 09 19
SH	eP	21 08 21
TUC	eP	21 09 52
June 26		
COL	e	21 29 02
HH	iP	21 31 07
TUC	eP	21 31 26
June 26		
COL	eP	22 05 55
June 26		
HH	i(P)	22 51 46
June 26, H = 22 50 23** Off east coast of Kamchatka.		
HH	iP	22 59 13
SH	iP	22 59 18
TUC	eP	23 00 51
June 26		
COL	iP	23 03 34
June 27		
COL	e	02 42 07
June 27		
BH	eP	04 40 04
	eS	40 46
June 27		
COL	eP	10 14 55
June 27, H = 10 35 31 By BERK, 35.8°N, 121.1°W. Central California. Felt in San Ardo and San Miguel. Mag. 5.3		

Date and Station		Phase (GCT) h m s
June 27, cont.		
BOZ	eL	10 42 00
HH	iP	10 38 50
LOG	e	10 37 52
	eL	40 28
OV	iP	10 36 55
	i	37 11
	iL	40 40
PF	eP	10 36 56
	e	37 14
SH	eP	10 36 48
	e(S)	37 30
TUC	eP	10 37 42
	i	38 32
	e(S)	39 34
	i	40 01
	eL	40 24
June 27		
COL	eP	12 35 09
	e	36 48
HH	e(P)	12 35 13
OV	eP	12 34 43
PF	iP	12 34 42
TUC	eP	12 34 44
	e	34 45
June 27		
HH	iP	14 27 35
June 27		
COL	iP	15 24 22
	i	24 28
	i(S)	24 54
	i	25 03
	iL	25 17
HH	eP	15 28 22
	e	28 49
June 27		
COL	iP	20 55 48

Date and Station		Phase (GCT) h m s
June 27, cont.		
HH	iP	20 55 00
June 27		
HUAN	eP	23 03 25
	e	04 36
	eL	04 46
June 27		
HUAN	eP'	23 26 04
HH	eP'	23 25 33
	e(PP)	26 43
LOG	e(P')	23 25 58
	e(PP)	27 09
OV	iP'	23 25 59
PF	eP'	23 25 58
SH	ePP	23 25 42
	e	26 13
TUC	e(P')	23 26 05
	ePP	27 15
	eL	00 07 52
June 28		
OV	i	08 43 45
June 28		
COL	eP	09 27 33
OV	eP	09 26 56
June 28, H = 24°N, 45°W. North Atlantic Ocean.		20 08 29*
BER	eL	20 17 19
BC	eP	20 18 43
	e	18 50
COL	eP	20 20 06
HH	eP	20 18 28
LOG	e	20 18 20
OV	iP	20 18 42

Date and Station		Phase (GCT) h m s
June 28, cont.		
PF	e(P)	20 18 38
RC	e(P)	20 17 38
SJ	eP	20 13 05
	e(PP)	13 58
	eL	17 53
TUC	eP	20 18 24
June 29		
COL	iP	02 23 08.5
	i(S)	23 15
	iL	23 30
June 29		
COL	e	04 34 48
HH	e(P)	04 36 38
June 29		
OV	eP	05 46 35
TUC	e	05 45 09
	i	45 18
	i	45 56
	i(S)	46 08
	i	46 21
	eL	46 47
June 29		
COL	iP	08 14 06
	iS	14 13
	i	14 18
	iL	14 26
June 29		
COL	eP	10 35 54
OV	e	10 40 13
June 29		
TUC	eP	12 44 30
June 29		
OV	eP	17 15 42
PF	iP	17 15 37
June 29		
COLU	eL	23 19 25

Date and Station		Phase (GCT) h m s
June 30		
COL	e	01 38 07
HH	e(P)	01 36 44
LOG	eP	01 36 36
OV	e	01 36 09
PF	eP	01 36 10
TUC	eP	01 36 12
	eL	02 02 09
June 30, H = 02 37 46* 18½°S, 173°W. Tonga Islands region.		
COL	eP	02 49 57
LOG	eP	02 49 40
OV	eP	02 49 21
PF	iP	02 49 20
TUC	eP	02 49 20
June 30		
COL	e	08 09 40
June 30		
COL	e	08 26 02
	e	28 23
TUC	eP	08 29 40
June 30		
COL	e	10 37 44
June 30, H = 17 18 57* 14½°S, 172½°W. Samoa Islands. Felt.		
BC	eP	17 30 35
COL	iP	17 31 15
HH	iP	17 31 15
LOG	eP	17 31 03
OV	iP	17 30 38

Date and Station		Phase (GCT) h m s
June 30, cont.		
PF	eP	17 30 38
TUC	eP	17 30 41
June 30		
OV	eP	18 02 59
June 30		
BC	iP	20 04 25
COLU	eL	20 35 18
OV	eP	20 04 24
PF	iP	20 04 28
TUC	eP	20 04 57
June 30		
TUC	e	20 47 42
	eL	48 15

Local and Minor Earthquakes

day	hour	day	hour	day	hour	day	hour	day	hour	day	hour
BER		COL, cont.		COL, cont.		COL, cont.		COL, cont.		COL, cont.	
May		Apr., cont.		Apr., cont.		Apr., cont.		Apr., cont.		Apr., cont.	
4	04.2	6	05.6	11	14.0	12	20.8	15	07.6	19	01.9
			06.4		14.2		21.8		10.8		01.9
BOZ			10.9		14.8		23.2		11.5		02.0
Apr.			18.8		14.8		23.7		12.6		04.4
14	03.2		19.3		15.3	13	00.8		12.7		05.6
15	00.0		22.1		21.9		02.5		14.1		06.2
18	21.8		22.2		22.6		02.6		16.6		07.3
		7	06.2		22.9		04.0		17.1		09.3
BUT			07.5	12	02.7		05.4		18.6		09.5
Apr.			08.7		04.0		06.4		21.1		10.2
14	02.2		09.9		05.1		07.0		23.4		13.7
			10.6		05.2		11.5	16	03.6		13.8
June			11.6		05.3		12.0		04.4		14.6
23	11.1		12.8		05.3		12.4		23.0		14.9
			14.3		05.4		13.6	17	03.7		15.4
COL			17.6		05.6		13.9		04.3		18.6
Apr.			21.6		05.7		14.8		05.5		22.0
1	07.5		23.6		05.7		16.4		07.4	20	05.3
	07.8		23.7		05.8		19.0		07.6		06.6
	11.3	8	00.7		05.9		19.4		09.0		08.0
	16.4		00.8		06.0		20.8		09.9		11.0
	16.8		01.1		06.0		22.1		12.6		11.1
	21.0		01.6		06.0	14	00.0		13.3		12.3
	23.8		02.0		06.0		02.6		13.9		12.5
	23.9		02.7		06.2		04.6		15.4		12.7
2	01.5		05.8		06.3		04.9		15.9		14.3
	01.7		06.1		07.0		05.1		16.2		14.5
	02.7		06.7		07.0		05.6		16.5		16.5
	04.1		07.1		07.2		06.0		18.5		18.5
	04.2		07.5		07.2		06.3		21.8		19.5
	06.7		10.9		07.3		06.4		22.5	21	01.9
	07.3		11.3		07.4		07.1		23.0		06.8
	15.3		11.6		07.8		07.5		23.7		07.1
	16.9	10	10.9		07.9		07.7	18	01.7		09.3
3	00.6		13.8		08.2		08.5		03.4		10.2
	04.4		23.8		08.5		10.0		08.1		11.5
	08.1	11	01.8		08.6		10.1		08.2		13.2
	13.4		03.3		08.8		10.9		09.2		13.3
	20.6		04.7		08.8		13.1		09.3		14.1
4	03.9		06.2		08.9		13.7		11.0		14.3
	05.8		06.3		08.9		14.3		11.3		15.8
	07.9		06.7		09.3		15.6		12.4		23.2
	09.9		06.8		09.5		22.3		13.0	22	00.7
	11.2		07.0		11.0	15	00.2		13.1		03.0
	12.2		07.1		13.6		00.5		14.0		04.9
	12.9		07.2		13.8		02.4		14.4		05.1
	13.2		07.3		15.2		05.8		15.4		06.3
	20.3		07.4		16.7		05.9		16.0		07.0
	23.8		09.5		17.4		06.5		20.9		12.5
5	08.2		09.8		17.5		06.8	19	01.0		12.9
6	05.2		10.6		20.6		07.3		01.6		

Local and Minor Earthquakes, cont.

day	hour	day	hour	day	hour	day	hour	day	hour	day	hour
COL, cont.		COL, cont.		COL, cont.		COL, cont.		COL, cont.		COL, cont.	
Apr., cont.		Apr., cont.		Apr., cont.		May, cont.		May, cont.		May, cont.	
23	00.6	26	03.6	28	09.4	1	03.3	4	15.3	9	00.2
	01.7		03.8		09.8		03.4		16.1		01.2
	03.7		04.0		09.8		04.3		16.2		02.2
	06.2		04.1		10.7		06.3		21.5		03.5
	09.0		05.5		10.8		07.3		22.2		05.2
	13.0		06.3		12.0		09.6		23.5		08.2
	13.2		07.6		13.6		09.7		23.7		09.4
	14.7		07.6		15.1		10.3	5	00.6		10.4
	16.2		10.2		16.0		13.3		00.6		10.9
	16.9		10.9		18.0		13.4		01.9		12.5
24	12.9		11.9		20.6		13.4		03.8		19.6
	12.9		13.1		21.3		13.5		05.2		21.6
	13.4		13.2		22.2		13.7		05.2	10	02.9
	15.0		13.3		22.4		16.4		05.4		11.5
	18.1		15.0	29	00.1		16.5		05.5		12.7
	18.6		15.9		00.5		16.6		05.5		14.6
	19.3		17.1		03.0		20.5		06.5		14.7
	20.6		17.2		05.5		20.5		07.8		15.6
	23.0		18.1		06.3		23.6		08.1		16.3
25	00.1		19.2		08.7	2	02.0		08.6	11	00.4
	00.2	27	03.2		09.6		03.2		10.7		05.5
	01.8		06.7		10.3		03.5		10.8		06.1
	01.8		07.7		11.6		04.7		11.2		07.5
	04.9		08.4		13.5		04.7		11.2		07.9
	05.4		09.0		19.9		04.8		11.7		11.6
	06.4		09.4		20.2		09.4		14.7		21.6
	06.9		09.4		22.6		12.7		15.1		23.4
	07.6		10.1		22.8		16.6		15.4	12	02.6
	07.6		10.3	30	05.4	3	02.2		18.7		07.5
	07.9		10.4		05.5		02.9		19.2	13	04.1
	08.8		10.4		07.6		04.9		21.4		05.2
	09.1		11.1		07.8		05.6	6	00.4		06.3
	09.1		13.9		08.0		06.0		01.0		08.4
	10.0		14.1		08.1		06.4		01.5		17.5
	10.4		14.7		09.4		06.6		01.7	14	00.1
	11.0		15.0		10.2		06.9		04.7		03.7
	11.1		15.7		10.6		11.6		06.2		05.1
	11.3		16.4		10.7		12.2		06.6		05.6
	11.6		16.5		11.4		15.0		11.0		06.9
	11.7		16.9		12.2		16.3		11.2		12.0
	12.0		17.2		14.1		18.0		14.6		12.6
	13.1		18.1		14.6	4	03.0	7	03.4		15.8
	14.6		18.2		14.9		04.7		09.9		15.9
	14.9		19.0		19.3		06.2		10.4		23.6
	15.5		20.6		20.8		07.9		12.7	15	01.7
	16.7		20.6		21.5		09.2		13.0		04.1
	17.1		20.9		21.5		09.3		13.3		04.2
	17.7		22.0				09.7		15.8		06.5
	20.3		22.6	**May**			11.3		17.1		07.7
26	03.1		23.5	1	02.4		12.9	8	13.4		08.2
	03.2	28	08.8		03.3		14.4		22.9		09.6

Local and Minor Earthquakes, cont.

day	hour	day	hour	day	hour	day	hour	day	hour	day	hour
COL, cont.		COL, cont.		COL, cont.		COL, cont.		COL, cont.		COL, cont.	
May, cont.		May, cont.		May, cont.		June, cont.		June, cont.		June, cont.	
15	11.7	23	05.3	30	21.4	14	01.2	17	23.9	22	01.5
	13.6		09.3		22.6		05.1	18	00.1		02.4
	16.7		10.8		23.4		05.9		04.7		02.5
	22.2		15.4	31	05.6		06.9		06.8		02.5
16	00.2		18.4				07.6		08.8		03.6
	07.5		22.6	June			08.7		10.5		03.7
	11.2	24	02.6	1	15.7		09.4		14.9		03.9
	13.9		04.5		16.6		09.4		15.6		04.2
	14.2		06.5	4	23.3		13.0		20.4		04.5
	16.5		11.5		23.5		13.0		21.0		04.6
	16.8		15.4	5	04.6		23.1		21.3		05.0
	17.7	25	00.8		09.5		23.7		22.1		08.7
	17.8		02.9		09.9	15	00.0		23.0		10.2
	20.4		03.6		10.0		00.5		23.3		17.6
	22.2		09.0		19.0		01.6	19	00.1		21.7
	23.1		23.5		21.2		02.5		00.9	23	02.1
	23.3	26	02.6	6	01.0		05.2		02.1		09.4
17	00.0		07.6		04.0		11.7		02.8		09.8
	03.1		20.3		08.6		12.0		03.1		12.4
	04.3	27	01.1		10.7		12.6		03.8		17.3
	16.3		08.1		12.0		13.2		04.5		19.2
18	06.9		18.2		14.3		13.7		06.8	24	15.3
	08.2		21.2		15.9		15.5		07.1	25	01.3
	08.5	28	04.7		17.7		20.4		10.5		02.9
	08.9		06.7	7	04.6		23.0		12.6		06.1
	12.2		07.8	8	02.1	16	00.5		16.5		08.0
	13.3		09.2		03.2		05.4		18.5		10.3
	20.1	29	03.6	9	20.4		05.7		18.6		13.0
20	20.5		05.4		21.3		05.9		19.4		13.2
21	03.7		08.7		21.7		06.0		21.5		15.7
	07.6		09.5		22.9		06.9		21.6		15.8
	08.1		09.9		23.5		07.8	20	01.4		17.5
	08.6		12.3	10	01.4		07.9		08.6	26	05.0
	08.7		13.6		04.2		09.2		09.5		05.5
	11.1		14.1		04.7		10.2		10.0		13.4
	15.3		20.7		05.0		15.9		11.4		14.3
	15.5		21.0	12	19.8		17.6	21	04.3		15.0
	16.3		22.5		20.7		22.1		07.4		16.1
22	06.5	30	00.3		20.8	17	01.4		10.0		18.0
	10.6		00.9		22.2		05.4		10.2		20.1
	11.0		02.4		22.5		05.5		19.4		20.5
	16.7		03.6	13	00.8		05.7		20.4		21.0
	18.0		05.0		03.3		06.0		20.5		22.3
	18.3		08.7		05.9		07.8		20.6		22.7
	21.0		09.6		08.4		08.0		20.8	27	05.0
	22.3		11.7		09.3		10.7		20.9		06.1
	23.6		13.1		15.2		12.1		21.4		08.5
23	00.4		14.1		15.8		13.8		22.4		08.7
	00.7		14.3		17.6		20.2		22.7		14.5
	04.7		17.7		19.4		22.2		22.8		14.6

Local and Minor Earthquakes, cont.

day	hour
COL, cont.	
June, cont.	
27	14.7
28	03.6
	07.0
	07.8
	11.8
	12.7
	13.0
	16.7
29	05.0
	06.8
	09.3
30	16.7
	17.0
HONO	
Apr.	
2	02.4
	05.3
	10.0
	22.0
4	00.1
8	02.4
	23.8
9	22.0
10	05.1
11	08.4
12	04.7
14	19.8
15	20.5
	22.0
18	22.4
19	16.3
	19.1
	22.2
29	23.1
30	00.5
May	
8	09.5
13	23.0
21	20.3
	23.3
23	20.4
24	23.4
26	22.0
27	06.5
June	
1	01.8
7	01.5
17	21.8

day	hour
COL, cont.	
June, cont.	
22	01.3
25	01.4
HUAN	
Apr.	
1	03.9
	04.9
	11.1
	14.3
2	15.7
	20.6
	23.8
3	06.6
	20.8
5	08.8
6	06.1
7	08.3
	10.2
8	01.4
	08.5
	13.4
	15.2
9	06.7
	15.0
	22.5
10	15.1
	22.7
12	05.8
	17.6
	22.3
	23.8
13	09.0
	14.1
14	08.1
	17.5
15	00.0
	08.1
	14.5
16	01.8
	05.3
	09.5
	10.2
	14.0
17	02.5
	06.1
	14.9
18	00.7
	01.0
	10.8
	10.9
	21.5

day	hour
HUAN, cont.	
Apr., cont.	
18	21.8
	22.8
19	12.4
	14.7
	17.9
20	00.3
	14.9
21	01.2
22	01.3
	10.1
23	01.8
24	04.7
	12.9
	20.3
25	05.6
	10.7
26	00.3
	04.4
	06.6
	10.0
	20.0
27	00.3
	22.2
29	06.7
	19.3
30	05.4
May	
1	00.4
	08.2
	21.0
2	00.0
	10.8
	11.4
	11.7
4	13.2
	16.1
5	03.9
	10.5
	13.5
	14.0
6	19.7
	20.1
	21.1
7	19.8
	21.6
8	00.4
9	08.9
	09.2
	17.6
10	11.6

day	hour
HUAN, cont.	
May, cont.	
10	14.8
	16.9
11	19.1
12	03.2
13	12.2
14	19.8
	22.4
15	00.9
	06.4
16	04.6
	18.4
	19.4
	19.6
17	04.9
	09.4
	19.8
	20.3
19	20.8
20	17.8
	23.0
21	20.3
22	04.7
	09.2
23	18.1
	21.5
	21.7
24	03.3
	12.1
	22.2
	23.9
25	17.0
26	05.2
27	18.2
	18.8
	22.4
28	11.6
	18.7
29	03.8
	04.1
30	06.0
31	02.6
	08.2
June	
1	22.6
	23.1
2	16.1
	21.9
3	01.5
	11.5
	17.8

day	hour
HUAN, cont.	
June, cont.	
3	21.6
4	09.0
	22.4
	23.5
6	03.7
	10.7
	14.9
7	17.5
	19.5
	21.0
8	06.8
	16.7
	23.3
9	13.4
10	05.9
	09.0
11	03.3
	06.8
	22.2
12	13.8
14	01.5
	13.2
	13.3
	19.5
15	14.0
	18.6
16	13.4
	23.6
17	13.9
	14.5
18	03.5
19	03.0
21	04.1
	04.5
	06.8
	08.9
	12.4
	13.4
	18.2
22	07.9
23	02.9
	07.5
	17.1
	18.5
	21.5
	22.6
24	16.4
	20.4
25	04.2
	13.7
	20.1

day	hour
HUAN, cont.	
June, cont.	
25	23.7
26	05.3
27	13.3
	15.1
	23.1
28	00.8
	02.3
	13.2
	14.8
	15.0
	19.2
	20.1
	20.8
	22.5
	23.2
29	00.2
	03.5
30	02.1
	06.5
LOG	
Apr.	
4	06.8
	08.2
23	01.2
28	00.9
May	
28	14.8
RC	
Apr.	
17	01.0
	04.5
June	
3	03.1
SJ	
Apr.	
16	05.5
18	01.6
19	12.2
22	19.0
25	14.6
May	
4	04.0
10	17.5
19	07.4
	11.1

Local and Minor Earthquakes, cont.

day	hour	day	hour	day	hour	day	hour	day	hour	day	hour
SJ, cont.		TUC, cont.		TUC, cont.		TUC, cont.		TUC, cont.		TUC, cont.	
May, cont.		Apr., cont.		Apr., cont.		Apr., cont.		May, cont.		May, cont.	
18	07.5	6	02.1	15	14.5	24	18.5	3	20.1	13	23.5
19	07.4		06.8		16.7		22.4		21.2	14	01.5
	11.1		18.7		17.2	25	06.8		21.5		03.2
21	09.7		19.1		19.4		08.6	4	06.3		14.5
	18.8		20.2		22.2		08.7		07.1		17.4
26	03.0		20.4		22.4		10.1		08.3		17.6
			21.5		22.9		17.3		16.9	15	06.8
June			21.6	16	18.6		20.5		17.6		08.1
1	19.3	7	10.4		20.1		23.0		19.7		11.1
2	09.1		23.0		20.7	26	00.0		20.5		11.7
7	03.0	8	01.4		22.0		17.1	5	02.3		12.3
12	00.8		01.6	17	04.7		19.3		03.2		20.1
14	21.5		13.7		15.5		22.8		08.7	16	09.6
	23.2		16.8		20.3	27	17.4		09.5		10.1
			20.4	18	21.3		18.7		13.3		18.1
SIT			21.5		22.5		19.0		18.0	17	09.7
Apr.		9	17.1		23.2		22.5		18.6		09.9
2	09.3		17.5		23.7	28	05.7		19.9		15.2
			18.1	19	01.5		17.5	6	02.4		18.2
May			20.3		10.5		21.1		04.9	18	00.0
9	20.5		22.3		13.9	29	09.5		11.0		07.8
			22.9		17.1		20.1	7	00.3		17.9
TUC		10	05.3		17.4		21.1		05.8		20.6
Apr.			05.5		18.2		21.8		07.9		22.1
1	14.4		07.7		20.9				08.9	19	11.7
	14.4	11	02.4		21.1	May			17.1		14.6
	15.1		19.0		22.9	1	10.6		18.4	20	05.8
	20.6		20.6	20	17.2		20.5		19.5		10.9
	21.1		21.1		18.5	2	00.6		19.8		11.2
	21.6		21.4		21.6		04.0		21.2		22.7
	22.3		21.9		22.9		04.2	8	01.1	21	11.3
	23.0		22.4	21	18.1		11.8		06.7		17.2
	23.3	12	16.8		21.0		11.9		20.5	22	08.0
2	18.0		18.4		22.2		13.0	9	04.3		20.6
	19.7		18.8		22.5		13.5		19.7	23	07.3
	21.8		19.3	22	12.9		14.6		20.9		09.9
	21.9		19.7		17.0		16.4		23.4		22.0
	22.1	13	00.1		18.3		17.8	10	03.8	25	02.0
3	01.7		03.9		18.7		17.9		04.3		04.4
	16.0		07.9		20.7		18.1		16.9	26	15.7
	20.2		13.1		20.9		18.2		21.7		21.3
4	00.7		18.6		22.2		18.7		22.5		21.7
	12.5		19.1		22.4		19.2	11	02.0	27	04.4
	19.3		21.1	23	16.8	3	01.8		06.0		05.3
	19.6		21.2		17.5		06.7		06.8		09.0
	20.7		22.1		18.4		07.0		22.4		12.0
	22.5		23.2		18.7		09.9	12	12.2		23.3
	22.9	14	18.0		19.0		10.3	13	07.2		23.8
	23.2		20.5		21.5		11.5		10.1	28	05.7
5	16.8		20.9		22.7		15.1		12.0		11.2
	17.6	15	02.2	24	18.0		17.1		20.2	29	09.2

Local and Minor Earthquakes, cont.

day	hour
TUC, cont.	
May, cont.	
29	10.0
31	18.5
	18.7
June	
1	10.2
	16.3
2	17.3
	17.5
3	03.2
	03.8
	10.1
4	12.8
	18.1
	18.5
	19.7
	21.8
	23.8
5	03.8
	17.9
	23.6
6	07.3
	07.7
	11.1
	13.8
	18.1
7	03.0
	21.3
8	08.0
	18.3
9	16.5
	17.5
	20.8
10	02.9
11	05.5
	10.4
	16.0
	17.6
12	18.0
	21.9
13	16.8
	12.3
14	07.2
	12.2
	20.8
	23.1
15	16.8
	19.1
	20.9
16	20.9
	22.1

day	hour
TUC, cont.	
June, cont.	
17	03.3
	03.5
	05.9
	18.3
	20.4
18	01.8
19	13.0
	21.3
20	15.5
	19.8
	21.0
	21.1
	21.5
	23.0
21	00.0
	22.5
	23.7
22	01.7
	02.4
	09.0
	18.8
	23.2
23	16.2
	18.8
	21.0
24	00.3
	03.6
	20.5
	23.4
25	02.2
	21.9
	22.1
	22.3
26	01.6
	03.0
	19.1
	23.1
27	01.3
	03.7
28	05.9
	05.9
	06.1
	08.7
	20.2
29	12.7
	16.4
	17.2
	17.8
	20.7
30	04.3
	04.4

day	hour
TUC, cont.	
June, cont.	
30	04.9
	07.8
	08.2
	10.5
	18.7
	21.1
UK	
June	
27	06.6