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Department of Commerce
Charles Sawyer, Secretary

U. S. Coast and Geodetic Survey
Leo Otis Colbert, Director

SEISMOLOGICAL BULLETIN

April, May, June, 1945

MSI - 122

ISSUED BY THE U. S. COAST AND GEODETIC SURVEY

Washington 25, D. C.

National Oceanic and Atmospheric Administration

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DEPARTMENT OF COMMERCE

Charles Sawyer, Secretary

U. S. COAST AND GEODETIC SURVEY

Leo Otis Colbert, Director

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

APRIL, MAY, JUNE, 1945

MSI-122

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Issued by the U. S. Coast and Geodetic Survey

Washington 25, D. C.

A-3725-4 (52)+

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

**Balboa Heights, C. Z. (BH)
The Panama Canal
*Bermuda. (BER)
Meteorological Station and International Union Geodesy and Geophysics
*Boulder City, Nev. (BC)
Bureau of Reclamation, National Park Service
*Bozeman, Mont. (BOZ)
Montana State College
**Burlington, Vt. (BUR)
University of Vermont
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and United States Weather Bureau
*College, Alaska. (COL)
University of Alaska
*Columbia, S. C. (COLU)
University of South Carolina
*Grand Coulee, Wash. (GC)
Bureau of Reclamation, National Park Service
*Honolulu, T. H. (HON)
University of Hawaii
*Huancayo, Peru. (HUAN)
Carnegie Institution of Washington
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Logan, Utah. (LOG)
Utah State Agricultural College
**Montezuma, Chile. (MONT)
Smithsonian Institution
**New Kensington, Pa. (NK)
Private station
*Overton, Nev. (OV)
Bureau of Reclamation, National Park Service
**Philadelphia, Pa. (PHIL)
The Franklin Institute
*Pierce Ferry, Nev. (PF)
Bureau of Reclamation, National Park Service
*Rapid City, S. D. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah. (SLC)
University of Utah
San Juan, Puerto Rico. (SJ)
**Seattle, Wash. (SEA)
University of Washington
*Shasta, Calif. (SH)
Bureau of Reclamation, National Park Service
Sitka, Alaska. (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitude Observatory

*Indicates a station maintained by a local institution in cooperation with the Coast and Geodetic Survey.

**Indicates a station operating on an independent basis.

All seismogram interpretations are made or revised at Washington except those for Balboa Heights.

Minor quakes are listed at the end of the report.

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

All magnitudes are determined by Pasadena unless otherwise stated.

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PROVISIONAL EPICENTERS

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Apr.	h m s	° ′	° ′	
1	09 02 12	19 S	175 W	Tonga Islands. Slightly deeper than normal.
1	10 43.8	30.7 N	113.9 W	By Pasadena. Gulf of California. Mag. 4.6.
1	22 20 06*	24 S	66 W	Argentina, Salta Province.
1	23 43 42	34 00 N	120 01 W	By Pasadena. California, Santa Rosa Island. Felt over most of Santa Barbara and Ventura Counties. Mag. 5.4.
5	08 33.5	32 N	115 W	By Pasadena. California, south of Laguna Salada. Mag. 3.8.
6	15 46 45	34 00 N	116 46 W	By Pasadena. California, San Andreas Fault, near Cabazon. Felt at Idyllwild. Mag. 3.6.
6	18 30 52	8¼ N	71¾ W	Northwestern Venezuela. Felt at Cucuta, Colombia.
7	10 25 41*	5½ N	77 W	Colombia, near west coast.
7	10 31 56	34 33 N	116 47 W	By Pasadena. California, near Lucerne Valley. Mag. 2.9.
7	21 29 30*	53 N	177 W	Aleutian Islands.
10	01 22 08*	42½ N	143 E	Hokkaido, Japan. Slightly deeper than normal.
11	11 22 27*	42 N	126 W	Oregon, off coast.
11	15 18 52*	26 S	177 W	Kermadec Islands. Slightly deeper than normal.
12	00 21 10*	2 N	80 W	Ecuador, off coast.
14	06 57 38*	19½ S	70 W	Chile, near northwest coast.
15	02 35 29*	57½ N	165 E	Kamchatka, off east coast. Depth about 130 km.
15	03 41 32*	57½ N	165 E	Kamchatka. Aftershock.
15	19 50 40*	22 N	107 W	Mexico, off west coast.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Apr.	h m s	° '	° '	
18	04 58 02	34 26 N	116 59 W	By Pasadena. California, Lucerne Valley. Felt at Fawnskin and San Bernardino. Mag. 4.3.
19	13 03 55*	21 S	170 E	Loyalty Islands.
20	22 32.1	31.6 N	115.6 W	By Pasadena, Baja California. Mag. 4.3.
20	22 34 20*	24 S	178 W	Tonga Islands, southwest of.
21	17 14 24	18 N	101 W	Mexico, Michoacan Province. Depth about 130 km.
22	09 45 48	31.5 N	114.0 W	By Pasadena. Gulf of California. Mag. 5.3.
26	13 41 03*	20 S	178 W	Tonga Islands. Depth about 450 km.
28	11 09 13	33 06 N	115 32 W	By Pasadena. California, near Brawley. Mag. 3.3.
28	15 44 05*	5 N	83 W	Panama, off west coast.
29	20 16 17	47.4 N	121.7 W	Washington, 10 miles southeast of North Bend. Felt over whole State. Intensity VII.
30	17 27 22*	20 S	178½ W	Tonga Islands. Depth about 500 km.
May				
1	05 57 31*	21 S	69 W	Chile, northern. Depth about 120 km.
1	16 34 55*	32 S	69 W	Argentina, western. Depth about 100 km.
2	19 47.9	41.3 N	122.5 W	By Pasadena. California. Intensity VI in Siskiyon and Trinity Counties. Felt over an area of 9,000 square miles. Mag. 5.3.
8	18 08 46	37 30 N	118 34 W	By Pasadena. California, northern Owens Valley. Felt. Mag. 4.4.
9	03 31 15*	7 S	125 E	Banda Sea region. Depth about 550 km.
10	01 57 35*	18½ S	70 W	Chile, near coast. Depth about 250 km.
10	17 53 15*	15 S	77 W	Peru, off coast. Felt at Lima. Slightly deeper than normal.
12	07 33.0	31.6 N	115.6 W	By Pasadena. Baja California, Sierra Juarez. Mag. 5.2.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
		° ′	° ′	
May 13	20 27 35*	24 N	109 W	Mexico, off west coast.
15	18 28 16	35 45 N	116 34 W	By Pasadena. California, south end of Death Valley. Mag. 3.1.
17	11 17 23	34 14 N	116 09 W	By Pasadena. California, near Twentynine Palms. Mag. 3.2.
17	15 06 47*	37 N	121½ W	California, minor damage at Hollister. Mag. 4.5.
18	09 44 40	36 12 N	118 23 W	By Pasadena. California, Kern River Fault, west of Haiwee. Mag. 4.0.
18	23 35 38*	44½ N	149½ E	Hokkaido, Japan, off northeast coast.
19	07 55 46*	16 N	98½ W	Mexico, off southern coast.
19	15 07 02	40.6 N	126.4 W	California, off Cape Mendocino. Felt along northern coast of California.
21	21 21 14*	14½ S	77 W	Peru, near coast.
28	09 39 25*	20½ S	174½ E	Fiji Islands. Foreshock.
28	10 08 31*	20½ S	174½ E	Fiji Islands, southwest of.
June 1	15 13 29*	52 N	170 W	Aleutian Islands, eastern. Depth about 70 km.
1	15 43 39*	52 N	170 W	Aleutian Islands. Aftershock.
1	16 54 50	46.6 N	112.0 W	Montana. Felt at Helena.
1	21 20 14	33 07 N	116 01 W	By Pasadena. California, Bailey's Well, near Borego Valley. Mag. 3.5.
1	22 24 07*	6½ N	34 W	Atlantic Ocean, southwest of Cape Verde Islands.
2	06 10 13	35 07 N	117 14 W	By Pasadena. California, northeast of Barstow. Mag. 3.9.
3	13 05 36	8.6 N	82.6 W	Panama. Felt in Province of Chiriqui with minor damage at David and Puerto Armuelles. Mag. 7.
4	12 08 55*	30 N	80 E	India, northern. Slightly deeper than normal. Mag. 7.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
June		° ′	° ′	
4	15 53 29*	8.6 N	82.6 W	Panama. Aftershock of June 3 quake.
6	07 00 08*	61 N	28½ W	North Atlantic Ocean, approximately 250 miles southwest of Iceland.
14	03 31 13	37 05 N	117 30 W	By Pasadena. California, north of Death Valley. Mag. 5.0.
15	04 18.2*	51 N	170 W	Aleutian Islands. Slightly deeper than normal.
15	22 24 21*	48 N	123 W	Washington, near Strait of Georgia. Felt.
16	19 54 50*	50 N	29 W	North Atlantic Ocean.
17	09 03 18	34 05 N	117 02 W	By Pasadena. California, San Andreas Fault, near Yucaipa. Mag. 3.4.
20	01 23 45	46¼ N	153 E	Kurile Islands. Foreshock.
20	17 35 07	46¼ N	153 E	Kurile Islands.
22	09 18 36*	44 N	146 E	Hokkaido, Japan, off northeast coast. Depth about 100 km. Mag. 7.
22	18 00 48*	32½ N	76½ E	India, Kashmir Province.
23	20 26 00*	56½ S	25 W	South Atlantic, Sandwich Islands group.
24	19 57 56*	35 S	71 W	Chile, approximately 100 miles south of Santiago. Depth about 100 km.
26	01 57 00*	17 S	76 W	Peru, off coast.
26	21 25 23*	5 N	83 W	Pacific Ocean, approximately 250 miles off coast of Panama.
27	13 08 18	26.7 N	111.3 W	Gulf of California. Felt at Santa Rosalia, Baja California. Mag. 7.
27	18 08 05*	26.7 N	111.3 W	Gulf of California. Aftershock.
28	09 08 22	32 58 N	116 00 W	By Pasadena. California, near Borego Valley. Mag. 3.1.
29	02 36 44	32 58 N	116 00 W	Do.

Date 1945	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
June		° '	° '	
30	05 31 16*	16½ N	116 W	Pacific Ocean, approximately 800 miles off west coast of Mexico. Mag. 6¾.
30	18 18 25*	9½ N	75 W	Colombia, northern. Slightly deeper than normal.

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SEISMOGRAM INTERPRETATIONS

Date and Station	Phase	Phase (GCT)
		h m s
Apr. 1, H = 00 44 05** Probable epicenter off east coast of New Zealand. Depth about 100 km.		
BC	iP	00 57 18.0
PF	iP	00 57 22.7
SH	iP	00 57 12
	ipP	57 23
TUC	iP	00 57 19
	e	57 49
	F	01.0
Apr. 1, H = 09 02 12* Epicenter in the region 19° S., 175° W. Tonga Islands. Slightly deeper than normal.		
GC	iP	09 14 37
SH	iP	09 14 02
TUC	iP	09 14 19
	i	14 29
	F	09.3
Apr. 1, H = 10 43.8 By Pasadena 30.7° N., 113.9° W. Gulf of California. Mag. 4.6.		
BC	eP	10 44 49
	i	47 01.0
PF	eP	10 45 07.0
	e	45 08.0
	i	46 43.7
TUC	eP	10 44 34
	i	44 44
	iS	45 13
	i	45 28
	iL	45 56
	F	10.9
		h m s
Apr. 1		
PF	e	14 45 40.1
	e	47 18.1
TUC	eP	14 45 18
	iP	45 21
	i	45 39
	i(S)	45 55
	i	46 25
	iL	48 28
	F	14.9
Apr. 1, H = 22 20 06* Epicenter in the region 24° S., 66° W. Salta Province, Argentina.		
GC	eP	22 32 50
HUAN	i(P)	22 23 55
	eS	26 40
	eL	28 39
	F	22.6
SJ	e	22 37 23
	e	39 54
	eL	42 42
	F	23.2
SH	iP	22 32 35
TUC	iP	22 31 27
	F	22.5
Apr. 1, H = 22 58 52* Aftershock of Argentina quake.		
SH	iP	23 11 21
TUC	iP	23 10 13
	F	23.2
Apr. 1		
HUAN	e	23 24 00
	e	24 52
	e	26 33
	eL	27 26
	F	Lost.
		h m s
Apr. 1, H = 23 43 42 By Pasadena 34°00' N., 120°01' W. Santa Rosa Island, Calif. Felt over most of Santa Barbara and Ventura Counties. Mag. 5.4.		
BER	eL	00 06 57
	F	00.8
BC	iP	23 44 54.7
	i	45 11.6
	i	45 15.5
BOZ	eP	23 47 06
	eS	50 02
	eL	50 40
	F	00.4
BUT	eP	23 47 03
	eL	50 38
	F	00.3
CHI	e(PcP)	23 52 39
	eS	54 09
	eL	55 34
	F	00.6
COL	eL	00 00 55
	F	00.5
HONO	eL	23 59 11
	F	00.3
GC	eP	23 47 05
	i	48 09
	eS	49 44
	e	50 51
	e	51 10
	e	53 19
HUAN	eL	00 07 30
	F	00.4
LIN	eL	23 54 27
	F	00.1

Date and Station		Phase (GCT)
		h m s
Apr. 1		
LOG	e(P)	23 46 22
	i	46 46
	i	48 54
	iL	49 09
	F	00.5
RC	eP	23 47 38
	i	47 44
	iL	49 44
	F	00.6
SLC	eP	23 46 03
	i	46 58
	eS	47 47
	eL	48 19
	F	00.4
SJ	e	23 58 50
	e	00 00 11
	eL	09 22
	F	00.8
SEA	eP	23 46 55
	eL	48 41
	F	00.1
SH	iP	23 45 28.7
	i	46 25
	i	46 56
	e	47 23
SIT	e(S)	23 53 48
	eL	57 05
	F	00.4
TUC	eP	23 45 40
	i	46 49
	eS	47 10
	i(S)	47 15
	i	47 28
	i	47 35
	iL	47 55
	F	00.0
UK	e	23 45 40
	iL	46 44
	F	00.5
Apr. 2		
HUAN	eL	06 28 00
	F	06.6

Date and Station		Phase (GCT)
		h m s
Apr. 3		
BH	iP	09 40 20
	iS	40 37
	F	09 42
Apr. 3		
HUAN	eL	14 47 11
	F	14.9
Apr. 3		
TUC	iP	18 40 47
	F	18.7
Apr. 3, H = 21 00 21** Probable epicenter southwest of Tonga Islands. Depth about 500 km.		
BC	iP	21 12 17.3
GC	eP	21 12 36
OV	e	21 12 51
PF	iP	21 12 20.8
SH	iP	21 12 07.5
TUC	iP	21 12 22
	ipP	14 25
	esP	15 47
	F	21.3
Apr. 4		
GC	eP	00 57 05.5
HUAN	eL	01 34 46
	F	01.9
TUC	iP	00 57 15
	F	01.0
Apr. 5, H = 08 33.5 By Pasadena 32° N., 115° W. South of Laguna Salada, Calif. Mag. 3.8.		
TUC	e	08 34 52
	iL	35 54
	F	08.6

Date and Station		Phase (GCT)
		h m s
Apr. 5		
MONT	i(S)	23 06 02
	eL	06 15
	F	23.2
TUC	iP	23 16 21
	i	16 38
	eL	50 20
	F	00.3
Apr. 5		
BC	i	23 21 05.4
PF	i	23 21 09.5
TUC	iP	23 21 16
	e	21 56
	eL	50 20
	F	00.3
Apr. 6, H = 12 50 45** Probable epicenter near coast of Chile.		
HUAN	e	12 54 22
	eS	56 48
	eL	57 32
	F	13.4
MONT	e	12 51 43
	e(S)	52 17
	iS	52 28
	eL	52 41
	F	12.9
TUC	iP	13 01 55
	e	04 09
	F	13.1
Apr. 6, H = 15 46 45 By Pasadena 34°00' N., 116°46' W. San Andreas Fault, near Cabazon, Calif. Felt at Idyllwild. Mag. 3.6.		
BC	iP	15 47 26.2
	iS	48 05.7
PF	iP	15 47 34.0
	iS	48 23.7

Date and Station		Phase (GCT)
		h m s
Apr. 6, cont.		
TUC	e	15 48 26
	eL	49 31
	F	15.8
Apr. 6		
BH	eP	18 32 42
	iS	34 05
	F	18 47
Apr. 6, H = 18 30 52 Epicenter in the region 8¼° N., 71¾° W. Northwestern Venezuela. Felt at Cucuta, Colombia.		
BER	e(P)	18 36 30
	eS	41 13
	eL	42 38
	F	19.2
BC	iP	18 39 31.0
GC	iP	18 40 30
	i	40 37
	eS	49 24
HUAN	iP	18 35 32
	i(PP)	36 03
	i	36 27
	i(S)	39 27
	i	40 14
	eL	41 36
	F	19.3
PF	iP	18 39 26.0
	e	54 05
SJ	eP	18 33 40
	e	34 03
	i	36 08
	i	36 13
	eL	36 54
	F	19.4
SIT	eL	19 10 28
	F	19.4

Date and Station		Phase (GCT)
		h m s
Apr. 6, cont.		
TUC	iP	18 38 53
	i	38 58
	ePP	40 25
	eS	45 24
	eL	58 17
	F	19.2
Apr. 6		
BH	e	18 48 42
	F	18 51
Apr. 7, H = 09 30 51** Probable epicenter near coast of Ecuador.		
HUAN	iP	09 33 17
	i	33 55
	iS	34 39
	iL	35 05
	F	10.2
SJ	e	09 36 31
	e	37 00
	i	37 18
	eS	41 17
	iS	41 22
	eL	45 13
	F	10.2
TUC	iP	09 39 16
	eL	54 55
	F	10.1
Apr. 7, H = 10 25 41* Epicenter in the region 5½° N., 77° W. Near west coast of Colombia.		
BH	eP	10 27 16
	iS	28 39
	F	10 37
HUAN	eP	10 29 52
	e	30 06
	e	34 28
	eL	36 40
	F	10.9
SJ	e	10 31 32
	e(S)	33 27
	eL	34 17
	F	10.9

Date and Station		Phase (GCT)
		h m s
Apr. 7, cont.		
TUC	eP	10 33 27
	F	10.6
Apr. 7, H = 10 31 56 By Pasadena 34°33' N., 116°47' W. Near Lucerne Valley, Calif. Mag. 2.9.		
BC	i	10 33 05.4
	e	34 06.3
PF	iP	10 32 41.2
	iS	33 24.9
Apr. 7		
HUAN	e	17 56 23
	e	56 32
	iS	58 12
	iL	59 02
	F	18.2
Apr. 7, H = 21 29 30* Epicenter in the region 53° N., 177° W. Aleutian Islands.		
GC	iP	21 36 44
PF	eP	21 38 03.8
SH	iP	21 34 34.5
SIT	eP	21 34 52
	e(S)	39 17
	eL	43 29
	F	22.0
TUC	iP	21 38 38
	i	38 45
	i	38 50
	F	21.8
Apr. 8		
TUC	eP	01 11 47
	eL	40 52
	F	02.2
Apr. 8		
TUC	iP	14 26 08
	F	14.5

Date and Station		Phase (GCT)
		h m s
Apr. 8		
SH	iP	19 58 00
	eS	58 22
Apr. 9		
BH	eP	20 12 25
	eS	13 00
	F	20 19
Apr. 10, H = 01 22 08* Epicenter in the region 42½° N., 143° E. Southern Hokkaido, Japan. Slightly deeper than normal.		
BER	eL	02 13 46
	F	02.8
BC	eP	01 33 47.9
BOZ	eS	01 42 34
	e(ScS)	43 22
	eL	55 37
	F	02.3
COL	ePPP	01 32 39
	e	39 10
	e	39 35
	eL	41 38
	F	02.3
GC	iP	01 32 46.5
PHIL	eSKS	01 45 27
	iS	46 03
	eL	02 07 28
	F	02.7
RC	i(P)	01 34 05
	e(PP)	37 00
	i(S)	43 31
	e	43 54
	e(SS)	48 37
	eL	02 00 48
	F	02.4
SLC	e(S)	01 43 07
	eL	02 04 14
	F	02.4

Date and Station		Phase (GCT)
		h m s
Apr. 10, cont.		
SJ	e	01 51 17
	e	57 26
	eL	02 22 52
	F	02.9
SH	iP	01 33 02.5
	iS	41 53
TUC	iP	01 34 16
	i	34 22
	i	34 46
	e(S)	44 45
	e	45 34
	eL	59 50
	F	02.4
Apr. 10		
BER	eL	17 21 53
	F	17.8
BOZ	eL	17 05 43
	F	17.4
PHIL	eL	17 17 01
	F	17.8
Apr. 11		
BC	e	02 05 40.0
GC	e	02 05 15
LOG	eL	02 09 51
	F	02.4
PF	e	02 05 48
RC	eL	02 13 52
	F	02.4
SH	eP	02 03 55
	i	04 19
	i	04 40
	i	05 42
	e	06 27
	e	08.6
TUC	iP	02 06 49
	i	06 55
	F	02.1

Date and Station		Phase (GCT)
		h m s
Apr. 11		
COL	e	06 25 41
	e	26 18
	e (S)	26 30
	eL	26 59
	F	06.6
GC	eP	06 27 12
SH	eP	06 27 53
Apr. 11, H = 11 22 27* Epicenter in the region 42° N., 126° W. Off coast of Oregon.		
BC	eP	11 25 03.7
BOZ	eL	11 29 00
	F	11.8
BUT	eL	11 28 50
	F	11.8
GC	eP	11 24 22
	e	24 35
	e	27 17
LOG	e	11 25 22
	e	25 46
	e	28 16
	eL	29 02
	F	11.8
PHIL	e	11 36 05
	eL	40 37
	F	11.9
PF	eP	11 25 08
RC	iP	11 26 33
	e	27 00
	e	30 23
	eL	32 22
	F	11.8
SLC	eL	11 29 37
	F	11.8
SH	iP	11 23 16.3
	i	24 00
	e	25 19
	e	26 39

Date and Station		Phase (GCT)
		h m s
Apr. 11, cont.		
TUC	eP	11 26 05
	iP	26 10
	iPP	26 28
	eS	29 17
	eL	30 50
	F	11.6
UK	eL	11 23 14
	F	11.8
Apr. 11, H = 15 18 52* Epicenter in the region 26° S., 177° W. Kermadec Islands. Slightly deeper than normal.		
BOZ	eS	15 42 26
	eL	58 26
	F	16.6
CHI	e	15 46 09
	eL	16 12 14
	F	Lost.
HONO	eL	15 39 44
	F	15.8
HUAN	eS	15 43 16
	e	48 40
	eL	16 02 28
	F	17.1
LOG	eL	16 07 26
	F	16.6
PHIL	eSS	15 53 54
	eL	16 17 34
	F	17.2
RC	e	15 42 08
	eL	16 05 33
	F	16.8
SLC	e	15 41 55
	eL	16 06 55
	F	16.9
SJ	eL	16 17 28
	F	16.8

Date and Station		Phase (GCT)
		h m s
Apr. 11, cont.		
SH	iP	15 30 24
TUC	iP	15 30 34
	i	30 45
	i	30 55
	eS	40 46
	e	41 37
	eL	58 12
	F	16.9
UK	eL	15 58 12
	F	16.4
Apr. 12, H = 00 21 10* Epicenter in the region 2° N., 80° W. Off coast of Ecuador.		
BC	i	00 29 10.1
HUAN	e	00 25 11
	e(S)	27 57
	F	00.9
PF	iP	00 14 02.3
SJ	eP	00 25 51
	iP	25 58
	e	26 25
	eS	29 46
	eL	30 43
	F	00.9
TUC	eP	00 28 58
	eL	42 39
	F	00.9
Apr. 12		
SH	eP	03 34 59
	i	35 45
Apr. 12, H = 11 27 48** Probable epicenter Kermadec Islands region. Depth about 600 km.		
BC	eP	11 39 23.2
OV	i	11 39 03
PF	iP	11 39 26

Date and Station		Phase (GCT)
		h m s
Apr. 12, cont.		
SH	i	11 40 12
TUC	iP	11 39 28
	ipP	41 42
	F	11.7
Apr. 12		
TUC	eP	14 57 09
	e(S)	15 01 02
	eL	04 08
	F	15.1
Apr. 13		
HUAN	eP	01 58 06
	i	59 03
	iS	59 26
	eL	59 32
	F	02.4
Apr. 13, H = 21 12 40** Probable epicenter Kermadec Islands region. Depth about 500 km.		
BC	eP	21 24 21.1
	epP	26 21.3
GC	e	21 26 43.5
PF	iP	21 24 23
	ipP	26 24.5
SH	iP	21 24 11
	epP	26 10
TUC	iP	21 24 25
	ipP	26 26
	esP	27 58
	e(S)	34 26
	F	21.6
Apr. 14		
BH	eP	02 39 09
	iS	39 57
	F	02 47
Apr. 14, H = 06 57 38* Epicenter in the region 19½° S., 70° W. Near northwest coast of Chile.		

Date and Station		Phase (GCT)
		h m s
Apr. 14, cont.		
HUAN	eP	06 59 48
	e	07 01 13
	eS	01 23
	i(L)	01 43
	F	07.3
MONT	eP	06 58 31
	e(S)	59 00
	eL	59 06
	F	07.0
Apr. 14		
BC	i	07 09 06.5
OV	iP	07 08 42.3
	i	09 06.0
PF	eP	07 08 36
	i	09 03.2
TUC	iP	07 08 08
	ipP	08 35
	F	07.2
Apr. 14		
SH	iP	19 39 57
Apr. 15		
GC	iP	00 14 36
Apr. 15, H = 02 35 29* Epicenter in the region 57½° N., 165° E. Off east coast of Kamchatka. Depth about 130 km.		
BER	eP	02 47 48
	e	49 15
	e	50 20
	ePPP	52 43
	iS	57 55
	i	59 01
	iSS	03 03 19
	esSS	03 56
	eL	08 43
	F	06.0
BC	iP	02 45 02.4
	isPP	47 58
	eS	52 59.3
	iL	59 32

Date and Station		Phase (GCT)
		h m s
Apr. 15, cont.		
BOZ	eP	02 44 23
	epP	45 07
	e	45 22
	esPP	47 16
	ePPP	47 27
	iS	51 36
	isS	52 24
	iSS	55 16
	isSS	56 02
	eL	58 05
	F	05.4
BUT	eP	02 44 17
	ePP	46 10
	ePPP	47 15
	eS	51 14
	i	51 33
	isS	52 12
	eSS	54 53
	eL	57 36
	F	05.0
CHI	eP	02 46 00
	ipP	46 37
	e	47 27
	ePP	48 43
	eS	54 36
	eScS	55 28
	eSS	58 43
	eSSS	03 01 50
	eL	07 20
	F	05.7
COL	eP	02 43 42
	ipP	44 00
	i	44 09
	iPP	44 39
	e	45 20
	iS	47 55
	isS	48 33
	iL	49 00
	F	06.0
GC	iP	02 43 40
	i	44 59.5
	iPcS	49 09
	i	49 19
	iS	50 24
	iSS	53 38

Date and Station		Phase (GCT)
		h m s
Apr. 15, cont.		
HONO	iS	02 50 30
	iSS	53 50
	isSS	54 14
	eL	55 02
	F	Lost.
HUAN	e	02 54 43
	ePP	55 14
	e	03 00 00
	eSKS	01 00
	ePS	04 57
	eSS	11 14
	i(SSS)	16 00
	eL	24 00
	F	05.3
LOG	iP	02 44 46
	i	45 02
	i(PcP)	45 44
	i	46 26
	iPP	46 59
	iPPP	48 18
	eS	52 18
	eScS	54 16
	eSS	56 02
	F	05.6
OV	iP	02 45 01.4
	iSSS	59 40.7
PF	iP	02 45 04.8
	eS	02 52.6
RC	eP	02 45 01
	i	45 04
	ePP	47 07
	i	48 13
	eS	52 37
	i	52 51
	eSS	56 39
	eL	58 39
	F	Lost.
SLC	eP	02 44 49
	esPP	47 30
	ePPP	48 11
	eS	52 24
	eSS	56 13
	eL	59 50
	F	05.3

Date and Station		Phase (GCT)
		h m s
Apr. 15, cont.		
SJ	eP	02 48 46
	e	48 58
	ePP	52 29
	i	52 51
	eSKS	59 08
	iPS	03 01 08
	iSS	06 14
	e	13 13
	eL	17 42
	F	06.1
SEA	e(P)	02 43 45
	e	44 58
	epPP	45 45
	e	49 54
	eS	50 12
	eL	53 53
	F	05.2
SH	iP	02 44 05.4
	iPcP	45 40
	iPP	46 02
	e(PcS)	49 30
	e	50 39
	iS	51 10
	iSS	54 00
SIT	iP	02 41 50
	iPP	42 50
	iS	46 56
	iL	50 39
	F	05.3
TUC	eP	02 45 37
	i	45 45
	ipP	46 09
	ipPP	48 26
	iPPP	49 32
	iS	54 00
	iScS	55 13
	i	56 20
	i	57 38
	eSS	58 06
	eSSS	03 01 15
	e	02 44
	ePKKP	04 20
	eL	05 09
	F	Lost.

Date and Station		Phase (GCT)
		h m s
Apr. 15, cont.		
UK	eP	02 44 14
	iS	51 16
	eL	56 30
	F	07 00 00
Apr. 15		
SH	iP	03 06 10
TUC	iP	03 07 41
	F	Lost.
Apr. 15, H = 03 41 32* Aftershock of Kamchatka quake.		
BC	iP	03 51 06.5
GC	iP	03 49 44.5
	i	50 40
	e	56 26
HONO	e	03 55 58
	iS	56 33
	eL	59 53
	F	04.8
LOG	iP	03 51 05
	i	53 07
	eS	58 14
	eL	04 02 28
	F	Lost.
OV	iP	03 51 15.5
PF	iP	03 51 09
RC	eP	03 51 10
	iS	58 59
	eL	04 09 47
	F	06.0
SH	iP	03 50 10
	i	50 50
	eS	57 14
TUC	iP	03 51 41
	ipP	52 06
	i(S)	04 00 04
	eL	10 52
	F	05.2

Date and Station		Phase (GCT)
		h m s
Apr. 15, H = 19 50 40* Epicenter in the region 22° N., 107° W. Off west coast of Mexico.		
BER	e	19 59 10
	e(PP)	59 34
	eS	20 04 10
	eL	06 45
	F	21.1
BC	eP	19 54 21.2
BOZ	eP	19 55 55
	e	56 27
	eS	20 00 27
	eL	02 38
	F	21.1
BUT	e	19 56 00
	e	20 00 28
	eL	03 42
	F	21.1
CHI	e(P)	19 56 20
	e	56 47
	eS	20 00 33
	iS	00 49
	eL	03 04
	F	21.2
COLU	e(P)	19 56 26
	e	59 31
	e(S)	20 00 55
	eL	04 05
	F	22.5
GC	iP	19 56 28
	eL	20 04 20
HUAN	eP	19 59 07
	eS	20 06 01
	eL	09 30
	F	20.9
LOG	iP	19 55 17
	iPP	55 37
	i	56 18
	iS	59 10
	iL	20 01 12
	F	21.0

Date and Station		Phase (GCT)
		h m s
Apr. 15, cont.		
OV	iP	19 54 25.8
	i	56 42
PF	iP	19 54 19.0
RC	iP	19 55 40
	eS	59 43
	eL	20 02 14
	F	21.9
SLC	iP	19 55 05
	iPP	55 39
	e	59 36
	e	59 50
	eL	20 00 00
	F	21.1
SJ	eP	19 58 05
	e	58 12
	iPP	59 38
	eS	20 04 02
	eL	06 51
	F	21.4
SEA	eL	20 01 37
	F	20.6
SH	eP	19 55 32
	iPP	56 04.5
	e	20 03 50
	e	04 40
	e	07 04
SIT	eS	20 04 36
	eL	08 12
	F	20.8
TUC	iP	19 53 15
	eS	55 20
	i	55 30
	i	55 36
	iL	56 58
	F	21.0
UK	eP	19 55 36
	eL	59 48
	F	20.6
Apr. 16		
SH	iP	08 19 14.5

Date and Station		Phase (GCT)
		h m s
Apr. 17		
SIT	eL	08 50 36
	F	08.9
Apr. 17		
OV	eP	12 26 07
PF	iP	12 26 07.5
	i	26 25.5
TUC	iP	12 26 07
	i	26 26
	F	12.5
Apr. 18, H = 04 58 02 By Pasadena 34°26' N., 116°59' W. Lucerne Valley, Calif. Felt at Fawnskin and San Bernardino. Mag. 4.3.		
BC	iP	04 58 43.0
	i	58 48.8
	i	58 50.3
	iS	59 19.2
	i	59 21.5
OV	iP	04 58 51.4
	i	59 01.0
	iS	59 05.7
	i	59 23.9
PF	iP	04 58 51.2
	iS	59 00.3
SH	e	05 01 51
TUC	eP	04 59 27
	i	59 35
	eS	05 00 25
	iS	00 26
	iL	01 02
	F	05.1
Apr. 18		
BER	eL	14 15 28
	F	15.3
BOZ	eL	13 24 30
	F	14.4

Date and Station		Phase (GCT)
		h m s
Apr. 18, cont.		
HUAN	e	13 55 23
	eL	14 16 07
	F	14.8
SLC	eL	14 27 59
	F	15.4
SJ	eL	14 12 00
	F	15.5
SIT	eL	14 30 54
	F	15.0
TUC	eP'	13 24 45
	e	25 53
	e	29 34
	e	29 45
	e	33 53
	e(SS)	39 36
	eL	14 11 30
	F	15.5
Apr. 19		
BC	iP	04 04 17.3
OV	iP	04 04 16.4
PF	iP	04 04 19.9
TUC	iP	04 04 47
	F	04.8
Apr. 19		
LOG	e	06 45 13
	iL	45 30
	F	06.8
Apr. 19, H = 13 03 55* Epicenter in the region 21° S., 170° E. Loyalty Islands.		
BER	e(PP)	13 25 22
	ePKS	26 45
	eS	35 27
	e	38 35
	e	48 22
	e	54 45
	eL	14 05 45
	F	15.9

Date and Station		Phase (GCT)
		h m s
Apr. 19, cont.		
BC	eP	13 17 05
	e	33.3
BOZ	e	13 22 35
	eSKS	28 24
	ePS	30 18
	eSS	35 47
	eL	45 21
	F	15.0
CHI	ePP	13 23 27
	ePS	33 17
	eSS	39 00
	eL	56 21
	F	15.6
COL	eSKKS	13 28 07
	ePPS	30 05
	e	30 11
	e	43 33
	eL	47 12
	F	15.9
COLU	eL	13 52 22
	F	15.0
GC	e	13 19 08
HONO	ePcP	13 14 14
	e	16 48
	i	20 21
	eS	21 05
	iScS	22 48
	eL	28 31
	F	14.4
HUAN	e(PP)	13 22 34
	eSKS	29 09
	ePS	32 17
	ePPS	33 11
	eSS	38 16
	eL	52 13
	F	15.9
LOG	eP	13 17 31
	eSKS	28 10
	e	30 25
	eL	49 35
	F	14.2

Date and Station		Phase (GCT)
		h m s
Apr. 19, cont.		
RC	e	13 27 41
	e	30 17
	ePS	37 16
	eL	52 09
	F	15.0
SLC	eSKS	13 28 06
	eS	28 38
	e(PS)	30 10
	e	35 41
	eL	44 36
	F	15.9
SJ	ePP	13 25 21
	ePKS	26 23
	e	38 00
	e	43 13
	eSSS	46 42
	eL	14 06 54
	F	15.8
SH	eP	13 16 51.5
SIT	e(P)	13 17 42
	ePP	20 58
	e	26 42
	e(PS)	29 14
	eL	42 06
	F	16.0
TUC	eP	13 17 12
	e	18 06
	ePP	20 55
	e	24 00
	e	27 56
	eScS	28 23
	e(PPS)	29 44
	eSS	34 52
	e	35 00
	eSSS	38 23
	eL	45 25
	F	15.0
UK	eP	13 16 48
	e	17 09
	e	21 31
	eS	27 23
	eSS	33 30
	eL	40 35
	F	15.0

Date and Station		Phase (GCT)
		h m s
Apr. 19		
SIT	eL	18 33 15
	F	18.7
Apr. 19		
TUC	eL	19 51 03
	F	20.0
Apr. 20		
TUC	iP	15 30 01
	F	15.5
Apr. 20, H = 22 32.1 By Pasadena 31.6° N., 115.6° W. Sierra Juarez, Baja California. Mag. 4.3.		
BC	eP	22 33 13.3
	i	33 26.8
	i	33 47.2
OV	eP	22 33 22.5
	i	33 38.6
	i	33 42.9
PF	iP	22 33 17.2
	i	33 29.0
	i	33 29.7
	i	33 32.6
TUC	eP	22 33 10
	i	33 20
	i	33 28
	i(S)	34 14
	iL	34 49
	F	22.7
Apr. 20, H = 22 34 20* Epicenter in the region 24° S., 178° W. Southwest of Tonga Islands.		
BC	iP	22 46 53.2
BUT	eL	23 18 30
	F	23.7
CHI	eL	23 22 30
	F	00.3
GC	eP	22 47 11

Date and Station		Phase (GCT)
		h m s
Apr. 20, cont.		
HONO	eS	22 52 09
	eL	56 13
	F	23.4
HUAN	e(SKS)	22 58 07
	eL	23 20 10
	F	00.1
LOG	eL	23 16 26
	F	00.0
PF	iP	22 46 55
RC	eL	23 23 31
	F	00.0
SLC	e(S)	22 58 29
	eL	23 19 24
	F	00.0
SJ	e(SKS)	22 59 56
	e	23 04 02
	e(PS)	04 18
	eL	30 08
	F	00.2
SH	iP	22 46 45
SIT	e(S)	22 58 21
	e	23 02 16
	e(SS)	04 18
	eL	14 14
	F	00.0
TUC	iP	22 46 54
	eL	23 14 04
	F	00.1
UK	eL	23 09 32
	F	23.7
Apr. 21		
BC	e	04 53 23
	e	54 00
CHI	eL	05 05 02
	F	05.2
LOG	eL	04 58 48
	F	05.2

Date and Station		Phase (GCT)
		h m s
Apr. 21, cont.		
PF	eP	04 53 23
	iS	54 45.9
SLC	eL	04 58 23
	F	05.2
TUC	eP	04 52 50
	i	53 07
	iS	53 33
	iL	54 02
	F	05.1
Apr. 21		
BC	e	12 14 10.2
	i	14 47
OV	i	12 14 21
PF	iP	12 14 11.7
	iS	15 37.8
TUC	iP	12 13 38
	i	13 43
	i	13 54
	i(S)	14 33
	i	14 48
	iL	15 03
	F	Lost.
Apr. 21		
TUC	eP	12 18 22
	i	18 40
	i(S)	19 22
	iL	19 46
	F	12.4
Apr. 21		
BC	e	12 48 38
PF	eP	12 48 41.9
TUC	iP	12 48 44
	F	12.8
Apr. 21		
BH	eP	12 55 34
	eS	56 14
	F	13 10
Apr. 21		
OV	e	14 25 28.4

Date and Station		Phase (GCT)
		h m s
Apr. 21, cont.		
PF	e	14 25 18.3
Apr. 21, H = 17 14 24 Epicenter in the region 18¾° N., 101° W. Michoacan Province, Mexico. Depth about 130 k		
BH	eP	17 19 24
	F	17 28
BER	e(PP)	17 22 27
	eS	27 05
	e	28 16
	eL	28 52
	F	18.1
BC	iP	17 19 06.8
	i	19 46.5
BOZ	eP	17 20 10
	e(PP)	21 17
	eS	24 56
	eL	25 53
	F	17.9
BUT	eP	17 20 18
	e	21 00
	e	26 11
	eL	29 08
	F	17.9
CHI	iP	17 19 47
	ipP	20 05
	ePP	20 33
	ePcP	23 09
	eS	24 11
	i	24 26
	e	25 12
	iL	25 46
	F	17.9
COL	eP	17 27 07
	e	32 11
	eL	41 46
	F	18.1

Date and Station		Phase (GCT)
		h m s
Apr. 21, cont.		
COLU	e(P)	17 19 42
	eS	23 36
	e	24 04
	e	24 19
	eL	27 03
	F	17.9
GC	iP	17 20 51
	i	23 35
	e(S)	26 03
	e	30 36
	eScS	31 32
	e	32 12
HUAN	iP	17 21 56
	i	22 16
	e	24 03
	ePcP	24 05
	eS	27 55
	eL	31 23
	F	17.9
OV	iP	17 19 10.0
PHIL	e(P)	17 20 32
	e	21 19
	e	25 12
	e(S)	25 31
	eS	25 50
	e	30 01
	F	18.3
PF	iP	17 19 03.9
RC	iP	17 19 49
	e	20 00
	i(S)	24 27
	eL	26 00
	F	18.1
SLC	eP	17 19 35
	ipP	19 49
	e	20 32
	e	21 07
	eS	23 55
	e	24 27
	eL	25 54
	F	17.9

Date and Station		Phase (GCT)
		h m s
Apr. 21, cont.		
SJ	iP	17 20 57
	epP	21 17
	e	21 52
	iPP	22 23
	iS	26 10
	i	26 29
	eL	29 13
	F	18.2
SEA	eL	17 28 35
	F	17.8
SH	iP	17 20 14.5
	ePP	21 15
	e	21 30
	e	27 00
	e	29 18
	e	30 05
SIT	eP	17 22 35
	ePP	24 36
	eS	29 24
	e	32 10
	eL	33 10
	F	18.1
TUC	iP	17 18 11
	ipP	18 33
	i	19 08
	i	20 18
	i	20 47
	iS	21 22
	i	22 45
	iL	23 09
	F	17.9
UK	eL	17 25 18
	F	17.8
Apr. 22, H = 03 49 20** Probable epicenter New Guinea region.		
BER	eL	04 52 14
	F	05.8
BOZ	eSKS	04 14 11
	eL	35 13
	F	05.2

Date and Station		Phase (GCT)
		h m s
Apr. 22, cont.		
COL	eL	04 23 03
	F	04.9
GC	eP	04 02 54
HUAN	eL	04 55 13
	F	05.5
LOG	eL	04 36 14
	F	05.0
SLC	eL	04 36 00
	F	05.0
SJ	e(P)	04 09 30
	e	21 27
	e	29 07
	eL	57 19
	F	05.9
SH	eP	04 02 39
SIT	eP	04 02 12
	eS	12 30
	e	25 22
	eL	27 10
	F	05.0
TUC	eP	04 03 22
	e	07 18
	eL	36 20
	F	05.2
Apr. 22, H = 09 45 48 By Pasadena 31.5° N., 114.0° W. Gulf of California. Mag. 5.3.		
BC	iP	09 47 04.7
BOZ	e	09 53 55
	eL	55 07
	F	10.3
BUT	eL	09 55 42
	F	10.3
CHI	e	09 55 45
	eL	58 32
	F	10.3

Date and Station		Phase (GCT)
		h m s
Apr. 22, cont.		
COL	eL	10 07 58
	F	10.5
COLU	eL	10 00 47
	F	10.2
GC	eP	09 49 49
	e	51 01
	e	55 32
LIN	eL	09 55 12
	F	10.1
LOG	eP	09 48 33
	e	48 58
	e	51 37
	eL	51 55
	F	10.3
OV	iP	09 46 42
PHIL	eL	10 02 56
	F	10.4
RC	iP	09 49 32
	e	50 26
	eL	54 30
	F	10.3
SLC	eL	09 51 23
	F	10.2
SJ	eL	10 04 32
	F	10.9
SEA	eL	09 55 43
	F	10.3
SH	eP	09 48 44
	e	49 25
	e	52 04
SIT	eL	10 02 00
	F	10.5
TUC	iP	09 46 32
	i	46 37
	i	46 50
	i	47 00
	i	47 10
	iL	47 31
	F	10.3

Date and Station		Phase (GCT)
		h m s
Apr. 22, cont.		
UK	eL	09 51 48
	F	10.1
Apr. 22		
BC	iP	22 14 38.7
	i	15 09.0
	i	16 33
LOG	e	22 18 08
	e	19 30
	eL	20 35
	F	22.6
OV	i	22 14 45.1
	i	35 39
PHIL	eL	22 30.9
	F	22.7
SLC	eL	22 19 25
	F	22.6
TUC	iP	22 14 07
	e	14 22
	e	14 37
	e	14 49
	i	15 03
	iL	15 17
	F	22.5
Apr. 23		
TUC	iP	03 59 18
	i	59 52
	i(S)	04 00 06
	eL	00 27
	F	04.1
Apr. 23, H = 05 45 20** Probable epicenter near southern coast of Mexico.		
BER	eL	06 06 35
	F	06.3
BOZ	eL	06 00 00
	F	06.3
GC	eP	05 52 50
SH	iP	05 28 23

Date and Station		Phase (GCT)
		h m s
Apr. 23, cont.		
TUC	iP	05 50 17
	i	50 33
	e(S)	54 14
	eL	55 52
	F	06.1
UK	e	05 29 30
	eL	06 01 30
	F	06.2
Apr. 23		
GC	eP	06 02 24.5
SH	iP	06 01 19
	i	02 07
	e	04 27
	e(S)	10 09
TUC	e	06 04 14
	F	06.1
Apr. 23, H = 06 22 35** Probable epicenter Solomon Islands region. Depth about 200 km.		
BER	e	06 45 03
	i	45 57
	ePS	54 15
	e	07 01 32
	eL	17 04
	F	08.1
BOZ	eSKS	06 46 19
	eS	47 00
	e	52 23
	eL	07 13 00
	F	07.8
BUT	eSKS	06 46 09
	e	50 52
	eSS	53 20
	eL	58 40
	F	07.3
COL	eS	06 45 03
	esS	46 07
	e	51 22
	eL	56 55
	F	07.5

Date and Station		Phase (GCT)
		h m s
Apr. 23, cont.		
GC	eP	06 35 21.5
	iP	35 24.5
	ipP	36 11
	isP	36 48
	eSKS	45 40
	iS	46 16
	e	49 37
HUAN	eP'	06 41 28
	e	42 12
	e	44 45
	i	45 31
	i	49 52
	ePS	53 46
	eSS	07 00 36
	F	08.1
LOG	eSKS	06 45 58
	e	46 15
	e	50 24
	F	07.2
PHIL	e	06 43 36
	e	49 35
	eSS	58 33
	e	07 08 43
	eL	22.9
	F	08.4
RC	iSKS	06 46 44
	e	47 22
	e	50 34
	eSS	55 00
	eL	07 06 12
	F	07.2
SLC	eSKS	06 46 15
	eL	07 05 20
	F	07.1
SJ	eP'	06 41 46
	ePP	45 03
	e	45 52
	e	49 52
	e	07 04 06
	eL	17 08
	F	08.2
SH	eP	06 35 09
	i	39 22
	iS	45 50

Date and Station		Phase (GCT)
		h m s
Apr. 23, cont.		
SIT	iP	06 34 45
	ipP	35 28
	iS	44 58
	esS	46 06
	e	51 36
	e	53 24
	e	54 36
	e	58 12
	F	07.5
TUC	eP	06 35 51
	epP	36 30
	i	40 29
	eSS	55 00
	eL	07 07 21
	F	Lost.
UK	eSKS	06 45 30
	F	Lost.
Apr. 23		
GC	iP	06 47 24
SH	iP	06 46 07
	e	48 21
	e(S)	50 08
TUC	eP	06 48 54
	F	Lost.
Apr. 23		
GC	iP	07 54 56
	i	55 05
	e	56 45
	e	57 42
	e	58 49
LOG	e	07 56 20
	eL	59 02
	F	08.2
RC	eP	07 57 13
	e	08 00 44
	eL	04 11
	F	08.2
SLC	eL	07 58 50
	F	08.4

Date and Station		Phase (GCT)
		h m s
Apr. 23, cont.		
SH	iP	07 54 02
	i	55 01
	i	56 25
	i	57 09
	iS	59 17
TUC	iP	07 56 50
	e	08 03 48
	F	08.2
UK	eL	07 54 08
	F	08.1
Apr. 23		
HUAN	eL	21 56 16
	F	22.1
Apr. 23		
TUC	eP	22 37 31
	F	22.6
Apr. 24		
TUC	iP	02 52 24
	F	02.9
Apr. 24		
BC	iP	06 16 49.5
GC	eP	06 18 49
SJ	eL	06 25 16
	F	06.7
TUC	iP	06 16 34
	i	16 48
	i	18 05
	eL	28 20
	F	06.6
Apr. 24		
GC	iP	14 47 36
Apr. 24		
TUC	iP	16 45 54
	i	46 01
	i	46 09
	iL	47 00
	F	16.9
Apr. 26		
BC	iP	01 37 43.0

Date and Station		Phase (GCT)
		h m s
Apr. 26, cont.		
GC	eP	01 38 31
TUC	iP	01 38 21
	F	01.7
Apr. 26		
GC	eP	08 39 25
SH	eP	08 39 21.5
Apr. 26, H = 13 41 03* Epicenter in the region 20° S., 178° W. Tonga Islands. Depth about 450 km.		
GC	iP	13 52 53
	ipP	54 30
	iS	14 02 36
SH	eP	13 52 22
	ipP	53 57
	iS	14 01 47
TUC	iP	13 52 40
	epP	54 16
	e	55 03
	eS	14 02 21
	F	14.0
Apr. 27		
TUC	iP	14 56 27
	F	15.0
Apr. 28, H = 11 09 13 By Pasadena 33°06' N., 115°32' W. Near Brawley, Calif. Mag. 3.3.		
TUC	e	11 10 35
	iS	11 15
	i	11 23
	iL	11 49
	F	11.2
Apr. 28, H = 15 44 05* Epicenter in the region 5° N., 83° W. Off west coast of Panama.		
		h m s
Apr. 28, cont.		
BH	iP	15 45 24
	eS	46 23
	F	15 55
HUAN	eP	15 48 23
	i	48 47
	e	50 02
	e(S)	51 22
	eL	52 00
	F	16.2
SJ	iP	15 48 54
	eS	52 50
	eL	55 12
	F	16.3
TUC	iP	15 51 27
	eL	16 05 20
	F	16.2
Apr. 28		
BH	eP	21 29 04
	F	21 32
Apr. 29		
SH	eP	02 44 15
	i	47 35
TUC	e	02 44 31
	i	47 57
	e	51 39
	F	02.9
Apr. 29		
BH	eP	19 03 32
	eS	04 03
	F	19 06
Apr. 29, H = 19 43 45** Probable epicenter New Hebrides region.		
SH	i	19 57 14.5
TUC	eP	19 57 25
	F	20.0
		h m s
Apr. 29, H = 20 16 17 Epicenter 47.4° N., 121.7° W. Ten miles southeast of North Bend, Wash. Felt over whole State. Intensity VII.		
BC	eP	20 19 49
	i	26 08
BUT	eP	20 18 05
	e	18 43
	i(S)	19 02
	i	19 24
	iL	19 43
	F	20.6
CHI	eL	20 29 12
	F	20.7
GC	iP	20 16 49.4
	iS	17 17
LOG	eP	20 18 43
	e	20 01
	eS	20 22
	e	20 42
	eL	20 49
	F	20.7
PHIL	e	20 31 06
	eL	33 00
	F	20.9
RC	eP	20 19 32
	e	22 00
	iL	23 00
	F	20.8
SLC	e	20 19 01
	e(S)	20 51
	e	21 15
	iL	21 34
	F	20.5
SJ	e	20 23 07
	i	23 30
	e	27 10
	eL	28 27
	F	21.1

Date and Station		Phase (GCT)
		h m s
Apr. 29, cont.		
SEA	iP	20 16(28)
	i	16(31)
	iS	16(37)
	F	20.4
SH	eP	20 17 57.2
	i	18 05.1
	e	19 51
TUC	iP	20 20 20
	i	20 29
	iS	23 44
	eL	25 08
	F	20.9
UK	eL	20 20 11
	F	20.5
Apr. 29		
BH	e	20 19 56
	F	20 28
TUC	iP	20 24 55
	eL	36 55
	F	20.8
Apr. 29		
BH	eP	21 02 04
	F	21 09
SJ	e	21 05 33
	e(S)	09 20
	eL	13 00
	F	21.8
TUC	iP	21 07 01
	eL	20 08
	F	21.5
Apr. 30		
BC	iP	11 25 43
	i	25 44.4
GC	iP	11 24 14
	i	24 42
PF	eP	11 24 44
	i	24 46.9
	eL	33.0

Date and Station		Phase (GCT)
		h m s
Apr. 30, cont.		
SH	iP	11 24 33
	i	28 18
	i	31 52
	iS	33 22
TUC	iP	11 25 43
	epP	27 30
	i	28 20
	iP'P'	53 26
	F	12.0
Apr. 30		
BC	iP	17 09 43.4
SH	iP	17 08 33.5
TUC	eP	17 09 37
	F	17.2
Apr. 30, H = 17 27 22* Epicenter in the region 20° S., 178½° W. Tonga Islands. Depth about 500 km.		
BC	iP	17 39 19.6
GC	iP	17 39 09
	eS	47 57
PF	eP	17 38 52.9
RC	e	17 37 43
	e(S)	48 11
	F	18.0
SJ	(e)	17 43 34
	i	51 03
	e	18 00 36
	eL	20 38
	F	19.1
SH	iP	17 38 38
	ipP	40 37
	iS	47 56
	iSKS	48 18
TUC	iP	17 38 54
	e	41 47
	eS	48 33
	e	49 28
	F	17.8

Date and Station		Phase (GCT)
		h m s
May 1		
SH	iP	05 28 36
May 1, H = 05 57 31* Epicenter in the region 21° S., 69° W. Northern Chile. Depth about 120 km.		
BER	e(P)	06 06 48
	e	13 31
	esSS	18 25
	eL	19 33
	F	06.7
BC	iP	06 08 43.3
	ipP	09 15
GC	eP	06 09 43.5
	ipP	10 15
HUAN	e(P)	06 00 10
	eS	01 45
	iL	02 23
	F	06.9
MONT	iP	05 58 02
	e	58 19
	iS	58 23
	F	07.0
OV	iP	06 08 47
	ipP	09 16
PF	eP	06 08 43
	i	08 43.5
	ipP	09 13.5
	eS	17 55
RC	iP	06 08 48
	e	09 21
	ePS	18 45
	eL	28 43
	F	06.7
SLC	e	06 09 23
	e(S)	18 23
	e	19 34
	eL	41 20
	F	06.8

Date and Station		Phase (GCT)
		h m s
May 1, cont.		
SJ	eP	06 04 52
	e	05 28
	i	06 58
	iS	10 38
	esS	11 23
	iSS	13 42
	eL	14 28
	F	07.0
SH	iP	06 09 26.5
TUC	eP	06 08 14
	eL	24 50
	F	06.7
May 1, H = 07 53 55** Probable epicenter Kamchatka region.		
BC	eP	08 03 40
BOZ	eL	08 22 00
	F	08.6
GC	iP	08 02 20
OV	eP	08 03 37.5
PF	iP	08 03 42.5
	i	03 52
SJ	eL	08 43 42
	F	09.1
SH	iP	08 02 44
SIT	eL	08 10 24
	F	08.4
TUC	eP	08 04 14
	F	08.2
May 1, H = 16 34 55* Epicenter in the region 32° S., 69° W. Western Argentina. Depth about 100 km.		
BC	iP	16 47 02.5
	eS	56 57
	ePS	57 50

Date and Station		Phase (GCT)
		h m s
May 1, cont.		
CHI	eP	16 46 28
	eS	55 54
	epS	56 28
	esS	56 43
	eL	17 06 05
	F	17.1
GC	iP	16 47 56
	ipP	48 22
	i	48 50
	eS	58 38
HUAN	iP	16 39 36
	ipP	39 56
	i(PP)	40 23
	iS	43 22
	eL	44 23
	F	17.2
OV	iP	16 47 05
PF	iP	16 47 01
	eS	56 55
	esS	57 43
RC	iP	16 47 08
	e(S)	57 17
	e	58 06
	eL	17 07 00
	F	18.0
SLC	eS	16 57 21
	esS	58 10
	esSS	17 03 13
	eL	08 19
	F	18.5
SJ	eP	16 43 46
	epP	44 09
	esP	44 24
	e	45 53
	epPP	46 14
	eS	50 38
	e	51 25
	eL	54 17
	F	17.5
SH	iP	16 47 39

Date and Station		Phase (GCT)
		h m s
May 1, cont.		
TUC	iP	16 46 35
	ipP	47 01
	eS	56 05
	ePS	56 58
	e(SS)	17 11 15
	eL	16 24
	F	17.4
May 1		
BC	e	23 19 11
	e	19 17
GC	iP	23 14 18.5
	i	14 22.5
PF	eP	23 15 12
	eS	19 13
SH	eP	23 14 28
TUC	e	23 19 45
	F	23.4
May 2		
HUAN	eP	05 50 10
	eS	51 56
	eL	53 00
	F	06.0
May 2, H = 10 31 46** Probable epicenter in region of north-central Argentina.		
TUC	iP	10 43 17
	F	10.8
May 2, H = 19 47.9 By Pasadena 41.3° N., 122.5° W. Siskiyon and Trinity Counties, Calif. Felt over area of 9,000 square miles. Mag. 5.3.		
BC	eP	19 49 57.5
	i	50 00.5
	i	50 38
	eL	52 25
BOZ	iL	19 53 16
	F	20.0

Date and Station		Phase (GCT)
		h m s
May 2, cont.		
BUT	eS	19 51 44
	eL	52 17
	F	19.9
GC	eP	19 49 48
	e	49 54.7
	i	50 02
	i	50 15
	iL	51 55
LOG	i(P)	19 50 16
	i	50 42
	iL	52 20
	F	20.1
OV	eP	19 49 56
	i	49 58
	iL	51 50
PHIL	eL	20 06 05
	F	20.2
PF	iP	19 50 04.5
	i	50 45
	eL	52 33
RC	iP	19 51 29
	i	51 45
	iS	54 09
	iL	56 00
	F	20.0
SLC	iP	19 50 04
	eS	51 53
	eL	52 36
	F	20.0
SEA	eL	19 52 06
	F	19.9
TUC	iP	19 51 07
	i	51 20
	i	51 41
	i	52 22
	eS	53 42
	eL	54 21
	F	20.2
UK	e	19 48 38
	iS	48 52
	eL	49 04
	F	20.0

Date and Station		Phase (GCT)
		h m s
May 3		
BC	iP	15 28 31
GC	e	15 29 11
OV	iP	15 28 44
PF	iP	15 28 34
SH	iP	15 28 22
TUC	i	15 28 34
	eL	56 36
	F	16.3
May 4		
BC	eP	13 15 15
	e	15 44
OV	eP	13 15 14
PF	eP	13 15 17.5
	i	15 28.5
SH	eP	13 14 21
TUC	iP	13 15 49
	i	15 57
	F	13.4
May 5		
TUC	iP	12 41 51
	ipP	42 06
	F	12.8
May 5		
BC	iP	13 14 56.5
OV	eP	13 14 57
PF	iP	13 14 54.5
TUC	eP	13 14 30
	F	13.3
May 5		
BC	eP	14 04 18.5
OV	eP	14 04 22
PF	iP	14 04 22

Date and Station		Phase (GCT)
		h m s
May 5, cont.		
TUC	eP	14 04 22
	F	14.2
May 5		
CHI	eL	20 40 32
	F	20.8
PF	eP	20 30 36
	e	34 30
	e	34 50
	e	36 48
SLC	eL	20 36 46
	F	20.7
TUC	eP	20 29 35
	eS	31 41
	eL	31 55
	F	20.6
May 6		
BC	iP	08 09 09
PF	iP	08 09 12
SH	iP	08 08 33.5
TUC	iP	08 09 31
	F	08.3
May 6		
SH	iP	11 53 58
TUC	eP	11 55 04
	F	12.1
May 7		
SJ	eP	18 18 04
	e	18 33
	i	18 37
	eL	18 50
	F	18.4
May 7, H = 17 21 07** Probable epicenter Kermadec Islands region.		
TUC	eP	17 33 54
	e	35 24
	F	17.7

Date and Station		Phase (GCT)
		h m s
May 8, H = 18 08 46 By Pasadena 37°30' N., 118°34' W. Northern Owens Valley, Calif. Felt. Mag. 4.4.		
SH	eP	18 09 54
	i	10 07
	i	10 59
	i	11 07
TUC	e	18 11 06
	i	11 25
	eL	13 10
	F	18.3
May 9, H = 03 31 15* Epicenter in the region 7° S., 125° E. Banda Sea. Depth about 550 km.		
BC	iP'	03 49 00.5
	i	49 17
	iPP	50 21
GC	ePP	03 49 42
HUAN	eP'	03 50 15
	e	04 03 22
	e	06 18
	ePPS	09 07
	eSS	12 51
	eL	45 29
	F	05.0
LOG	e(PP)	03 50 38
	e	04 03 00
	F	04.2
OV	eP'	03 49 00.5
PF	iP'	03 49 01.5
	iPP	50 27
SJ	eP'	03 50 20
	iPP	55 00
	e	59 36
	e	04 05 16
	e	07 30
	e	17 49
	eL	46 16
	F	05.3

Date and Station		Phase (GCT)
		h m s
May 9, cont.		
SH	eP	03 44 55.5
	iP'	48 50
	iPP	49 35
SIT	ePP	03 48 16
	esPP	50 50
	iSKS	53 53
	ePS	57 35
	e	59 50
	esSS	04 00 00
	eL	02 26
	F	04.7
TUC	eP'	03 49 09
	iPP	50 51
	i	52 54
	i	59 11
	eSP	59 50
	e	04 02 34
	e	04 41
	e	19 07
	eSS	26 30
	eSSS	30 40
	F	05.0
May 9		
HUAN	eP	17 57 54
	i	58 14
	iS	58 43
	F	18.1
May 9		
BC	eP	23 58 21
PF	eP	23 58 18.5
SH	eP	23 58 35
TUC	iP	23 58 15
	F	00.1
May 10, H = 01 57 35* Epicenter in the region 18½° S., 70° W. Near coast of Chile. Depth about 250 km.		
BC	iP	02 08 22
	epP	09 23
OV	iP	02 08 23.5

Date and Station		Phase (GCT)
		h m s
May 10, cont.		
PF	iP	02 08 20
	epP	09 23.5
TUC	iP	02 07 52
	F	02.2
May 10, Probable epicenter Mid-Atlantic Ocean.		
BC	eP	02 26 46.5
PF	iP	02 26 41.5
SJ	iP	02 20 53
	ePP	21 19
	eS	24 34
	eL	26 04
	F	02.9
TUC	iP	02 26 26
	e	27 21
	F	02.6
May 10, H = 17 53 15* Epicenter in the region 15° S., 77° W. Off coast of Peru. Felt at Lima. Slightly deeper than normal.		
BH	eP	17 58 30
	F	18.3
BC	eP	18 03 37
	i	03 42
	i	03 47
BOZ	eS	18 13 09
	eL	32 38
	F	19.5
CHI	e	18 07 46
	iS	10 54
	i(ScS)	12 52
	eL	19 14
	F	18.8
GC	eP	18 04 56
HUAN	iP	17 54 05
	iS	54 35
	F	18.5

Date and Station		Phase (GCT)
		h m s
May 10, cont.		
OV	iP	18 03 43
PF	iP	18 03 39
	eS	12 04
RC	eP	18 03 50
	eS	12 19
	eL	28 07
	F	18.3
SLC	eS	18 12 28
	eL	30 14
	F	18.8
SJ	eP	18 00 05
	i	01 33
	iS	05 22
	i	06 10
	eL	07 28
	F	19.0
SH	iP	18 04 28
TUC	iP	18 03 08
	i	03 15
	eS	11 08
	eL	22 07
	F	18.9
May 11		
HUAN	eP	12 22 07
	eL	36 30
	F	13.1
SH	iP	18 32 05
May 11		
BC	iP	22 04 25.5
	e	05 20.5
PF	e	22 04 21
SH	eP	22 03 30.5
TUC	eP	22 04 44
	e	04 53
	F	22.2

Date and Station		Phase (GCT)
		h m s
May 12, H = 07 33.0 By Pasadena 31.6° N., 115.6° W. Sierra Juarez, Baja California. Mag. 5.2.		
BC	eP	07 34 11
	i	34 32
	e	35 23
	e	35 30.8
OV	iP	07 34 20.7
	e	35 45.5
PF	iP	07 34 16.2
	eS	35 23.4
	e	35 32.4
SH	eL	07 38 35
TUC	iP	07 34 05
	i	34 21
	i	34 26
	iS	34 59
	i	35 13
	iL	35 23
	F	07.7
May 13		
HUAN	eL	09 55 30
	F	10.0
May 13, H = 20 27 35* Epicenter in the region 24° N., 109° W. Off west coast of Mexico.		
BC	eP	20 30 40
	eL	34 43
BOZ	e	20 32 46
	e(S)	36 32
	eL	39 08
	F	21.0
BUT	e(S)	20 36 41
	eL	39 53
	F	21.0
CHI	eS	20 37 20
	eL	39 36
	F	21.2

Date and Station		Phase (GCT)
		h m s
May 13, cont.		
COLU	eS	20 37 39
	eL	41 40
	F	21.1
LIN	eS	20 35 36
	eL	37 44
	F	20.8
OV	eP	20 30 45
	eL	34 46
PHIL	eS	20 39 19
	eL	41 16
	F	21.5
PF	eP	20 30 36
	eL	34 28
RC	eP	20 32 16
	eS	35 56
	eL	37 20
	F	20.9
SLC	eP	20 31 29
	e(S)	34 59
	eL	35 25
	F	21.0
SJ	eP	20 35 14
	e	36 33
	eS	41 11
	eL	44 16
	F	21.4
SIT	eL	20 43 50
	F	21.1
TUC	iP	20 29 37
	e(S)	31 27
	iL	31 58
	F	20.9
May 13, H = 21 12 27* Aftershock of preceding quake.		
CHI	eL	21 25 26
	F	21.5
COL	eL	21 41 18
	F	21.2

Date and Station		Phase (GCT)
		h m s
May 13, cont.		
PF	eP	21 15 32
	eL	19 23
TUC	iP	21 14 29
	eL	16 51
	F	21.4
May 14		
LOG	iP	20 31 51
	e	36 55
	eL	37 32
	F	21.6
May 15, H = 03 36 23** Probable epicenter New Hebrides Islands region.		
BC	eP	03 49 23.5
PF	iP	03 49 27
SH	eP	03 49 07
TUC	iP	03 49 32
	F	03.9
May 15		
SJ	iP	06 01 27
	iS	01 38
	iL	01 52
	F	06.3
May 15, H = 18 28 16 By Pasadena 35°45' N., 116°34' W. South end of Death Valley, Calif. Mag. 3.1.		
BC	iP	18 28 43.4
	e	29 00
	i	29 02
OV	iP	18 28 52.7
	eS	29 17.7
PF	iP	18 28 52
	i	28 56.6
	i	29 24
TUC	i	18 30 05
	i	31 22
	F	18.5

Date and Station		Phase (GCT)
		h m s
May 16		
PF	eP	09 03 56
SH	e	09 03 12
TUC	e	08 58 54
	F	09.1
May 16		
COL	e	10 46 14
	e	47 12
	eL	47 51
	F	10.9
SIT	e	10 44 44
	e	46 56
	F	11.2
May 16, H = 10 53 40** Probable epicenter Atlantic Ocean, approximately 400 miles east of Puerto Rico.		
PF	iP	11 02 47
SJ	iP	10 55 05
	i	55 13
	i	55 23
	eS	55 45
	i	55 54
	iL	56 30
	F	11.1
SH	iP	11 03 35.5
TUC	iP	11 02 22
	F	11.1
May 16		
HUAN	e	15 47 36
	e	51 55
	eL	52 50
	F	16.0
TUC	e	15 47 34
	eL	16 05 25
	F	16.2
May 17		
PF	eP	08 37 11
	i	37 55.5

Date and Station		Phase (GCT)
		h m s
May 17, H = 11 17 23 By Pasadena 34°14' N., 116°09' W. Near Twentynine Palms, Calif. Mag. 3.2.		
BC	iP	11 18 00
	i	18 04
	e	18 32
OV	i	11 18 47
	e	18 53
PF	i	11 18 14
	e	18 46.5
	i	18 48
TUC	e	11 18 56
	eS	19 28
	iL	20 03
	F	11.4
May 17, H = 15 06 47* Epicenter in the region 37° N., 121½° W. Minor damage at Hollister, Calif. Mag. 4.5.		
BC	eP	15 08 11
	e	08 16
	e	08 26
	iL	09 08
BOZ	eL	15 13 17
	F	15.3
GC	eL	15 12 55
LOG	e	15 11 28
	eL	11 45
	F	15.3
OV	eP	15 08 17
	e	08 29
	eL	09 41
PF	eP	15 08 18.5
	e	08 33
SLC	eL	15 10 42
	F	15.2

Date and Station		Phase (GCT)
		h m s
May 17, cont.		
SH	eP	15 07 47.7
	i	07 50
	i	07 59
	iS	08 32
	e	09 01
TUC	eP	15 09 11
	eS	10 43
	eL	11 48
	F	15.3
May 18		
SJ	e	07 41 56
	i	42 06
	eL	42 20
	F	07.8
May 18, H = 09 44 40 By Pasadena 36°12' N., 118°23' W. Kern River Fault, west of Haiwee, Calif. Mag. 4.0.		
BC	iP	09 45 27.3
	i	45 33.4
	eL	46 12
OV	iP	09 45 31.6
	i	45 40.2
	eL	46 25
PF	iP	09 45 36.8
	i	45 45.8
	eL	46 33
SH	e	09 47 00
	eL	47 29
TUC	eP	09 46 21
	eL	48 26
	F	09.8
May 18		
TUC	iP	12 35 48
	F	12.7
May 18, H = 23 35 38* Epicenter in the region 44½° N., 149½° E. Hokkaido, Japan, off northeast coast.		
May 18, cont.		
BC	iP	23 46 50.3
	iS	55 53
GC	iP	23 45 45.5
OV	iP	23 46 50
PF	iP	23 46 51
	i	46 53
SH	iP	23 46 01.3
TUC	iP	23 47 19
	F	23.9
May 19		
PF	eP	02 42 20.5
SH	eP	02 42 04
TUC	iP	02 42 15
	eL	03 11 00
	F	04.2
May 19, H = 07 55 46* Epicenter in the region 16° N., 98½° W. Off southern coast of Mexico.		
BH	eP	08 00 13
	F	08.8
BC	eP	08 01 09
	e	05 07
	eL	05 47
BOZ	eP	08 02 09
	e	02 40
	eS	07 18
	iS	07 23
	eL	12 16
	F	09.2
BUT	eP	08 02 16
	eS	07 32
	e	08 18
	eL	13 30
	F	09.1
May 19, cont.		
CHI	iP	08 01 30
	e	01 55
	iS	06 13
	eL	10 47
	F	09.3
COL	eS	08 14 01
	eScS	15 43
	eL	25 36
	F	09.2
COLU	eP	08 00 59
	e	02 45
	e	03 06
	e(S)	05 23
	eL	06 34
	F	09.2
GC	iP	08 02 49
	i	03 29
	eS	08 31
	e	09 19
	eL	14 47
HONO	eS	08 13 26
	eL	21 10
	F	08.7
HUAN	eP	08 02 55
	ePP	04 17
	iS	08 35
	eL	11 17
	F	09.2
LIN	eP	08 01 15
	eS	05 20
	eL	08 34
	F	08.7
LOG	e(P)	08 01 58
	e	03 09
	e(S)	06 46
	eL	08 43
	F	09.3
OV	eP	08 01 11
PHIL	eP	08 02 07
	ePP	03 14
	eS	07 15
	iL	09 11
	F	09.3

Date and Station		Phase (GCT)
		h m s
May 19, cont.		
RC	eP	08 01 44
	eS	06 34
	e	06 48
	eL	11 14
	F	09.1
SLC	eP	08 01 30
	eS	06 14
	eL	10 48
	F	09.3
SJ	eP	08 02 04
	ePP	02 57
	e	03 32
	e	04 23
	iS	07 10
	e	07 51
	eL	09 20
	F	09.7
SIT	eP	08 04 38
	ePP	06 37
	eS	11 48
	eSS	15 36
	eL	20 10
	F	09.4
SH	eP	08 02 15
	eL	11 27
SEA	eL	08 14 09
	F	08.7
TUC	iP	08 00 17
	i	00 32
	e	00 38
	iS	04 05
	iL	05 22
	F	09.5
UK	eP	08 02 14
	eS	07 30
	eL	11 26
	F	09.0
May 19		
HONO	iP	12 19 00
	F	12.4
PF	iP	12 25 20

Date and Station		Phase (GCT)
		h m s
May 19, cont.		
TUC	iP	12 25 35
	F	12.6

May 19, H = 15 07 02
Epicenter in the region 40.6° N., 126.4° W. Off Cape Mendocino, Calif. Felt along northern coast of California. Mag. 6.

BC	iP	15 09 33.2
	eL	12 05
BOZ	iP	15 10 00
	i	10 42
	iS	12 21
	eL	13 24
	F	17.7
BUT	iP	15 09 52
	iS	11 58
	iL	13 10
	F	17.0
CHI	eP	15 13 06
	ePP	14 13
	e	17 19
	iS	17 57
	iL	18 52
	F	17.0
COL	e(P)	15 13 00
	e(S)	17 36
	eL	19 25
	F	17.4
COLU	eP	15 14 08
	e	15 19
	eS	19 50
	eL	22 00
	F	16.4
GC	eP	15 09 17.4
	iP	09 19.4
	eL	11 28

Date and Station		Phase (GCT)
		h m s
May 19, cont.		
HONO	eP	15 13 38
	ePPP	15 02
	e(S)	19 18
	e	19 59
	eL	20 52
	F	17.6

T_L=8s. A max.= 14mm.

HUAN	e(P)	15 18 42
	eS	27 34
	e	31 45
	eL	37 03
	F	15.7
LIN	eP	15 12 10
	i	12 24
	e(S)	16 26
	eL	17 00
	F	16.2
LOG	i(P)	15 10 04
	iS	11 50
	iL	12 10
	F	17.4
OV	iP	15 09 35.8
	eL	16.3
PHIL	eP	15 14 30
	e	15 06
	iPP	15 56
	eS	20 28
	e	22 35
	iL	23 06
	F	17.2
PF	iP	15 09 41
	eL	12 19
RC	iP	15 11 08
	i	11 29
	iS	14 30
	iL	14 51
	F	17.0
SLC	iP	15 09 46
	eS	11 48
	eL	12 02
	F	17.3

Date and Station		Phase (GCT)
		h m s
May 19, cont.		
SJ	eP	15 16 53
	ePP	19 03
	ePPP	20 08
	iS	24 38
	iSS	28 24
	eL	30 25
	F	17.2
SEA	eP	15 09 03
	i	09 18
	eL	10 35
	F	16.2
SH	iP	15 07 51.4
	iS	08 27.5
SIT	iP	15 11 11
	iPP	11 29
	i	14 02
	i(S)	14 38
	iL	15 10
	F	18.5
TUC	iP	15 10 37
	i	11 03
	i	12 26
	iS	13 32
	eL	14 06
	F	18.0
UK	iP	15 07 47
	i	08 24
	F	19.6
May 19		
BC	e	19 56 50
PF	iP	19 56 53.7
	i	57 23.5
SH	eP	19 56 38
TUC	i(P)	19 57 24
	F	20.1
May 20, H = 04 13 42** Probable epicenter Tonga Islands region.		
BC	iP	04 26 19.5
May 20, cont.		
OV	iP	04 26 17
PF	iP	04 26 22.5
SH	iP	04 26 09.5
TUC	iP	04 26 24
	F	04.5
May 20		
OV	iP	12 03 09.8
PF	iP	12 03 10
TUC	eP	12 03 09
	F	12.2
May 20, Probable epicenter near western coast of Mexico.		
BC	iP	16 33 29
	eL	37 29
BOZ	e(S)	16 39 22
	eL	42 18
	F	17.0
CHI	eL	16 43 28
	F	16.8
LOG	eL	16 40 30
	F	16.9
OV	eP	16 33 32.5
	eL	37 53
PF	iP	16 33 26
	iL	37 21
SH	eP	16 34 53
TUC	iP	16 32 22
	eS	34 23
	iL	34 47
	F	16.9
May 20		
BC	eS	18 20 44
May 20, cont.		
PF	eP	18 16 21
	e(S)	20 50
SH	iP	18 15 50
	i	19 50
	i	26 19
May 21, H = 14 02 15** Probable epicenter Samoa Islands region. Felt at Apia.		
PF	iP	14 14 02
TUC	eP	14 14 04
	F	14.3
May 21, H = 21 21 14* Epicenter in the region 14½° S., 77° W. Near coast of Peru.		
HUAN	iP	21 22 01
	iS	22 35
	F	21.5
TUC	iP	21 31 01
	i	31 09
	F	21.6
May 22		
TUC	iP	00 58 08
	F	01.0
May 23, H = 06 21 30** Probable epicenter Baffin Bay region.		
SH	iP	06 29 22
TUC	iP	06 30 00
	i	30 10
	i	30 39
	F	06.6
May 23		
SJ	eL	06 43 20
	F	06.8
May 24		
TUC	iP	16 59 34
	F	17.1

Date and Station		Phase (GCT)
		h m s
May 24, H = 20 39 20** Probable epicenter near coast of Peru.		
HUAN	eP	20 39 41
	iS	39 58
	iL	40 04
	F	20.8
TUC	iP	20 48 42
	F	20.9
May 25, H = 00 20 40** Probable epicenter Samoa Islands region.		
TUC	iP	00 32 25
	F	00.7
May 25		
SJ	iP	20 08 30
	iS	09 18
	iL	09 33
	F	20.3
May 27		
TUC	iP	13 37 23
	e	43 38
	F	13.8
May 27		
BC	eP	21 50 40
OV	e	21 50 39
PF	i	21 49 58
	e	50 41
SH	eP	21 49 58
TUC	eP	21 51 04
	i	22 06 59
	F	22.3
May 28, H = 09 39 25* Foreshock of Fiji Islands quake.		
BC	eP	09 52 16
OV	eP	09 52 20

Date and Station		Phase (GCT)
		h m s
May 28, cont.		
PF	eP	09 52 18
SH	eP	09 52 01
TUC	eP	09 52 21
	e	10 05 04
	e(SS)	19 35
	eL	26 02
	F	Lost.
May 28, H = 10 08 31* Epicenter in the region 20½° S., 174½° E. Southwest of Fiji Islands.		
BC	eP	10 21 20.5
	e	23 07
HONO	eL	10 29 08
	F	10.6
HUAN	eL	11 01 14
	F	11.5
OV	eP	10 21 22.5
PF	iP	10 21 22.5
SLC	eL	10 46 37
	F	11.0
TUC	eP	10 21 27
	i	21 35
	eL	49 36
	F	11.5
May 28		
PF	iP	11 36 24
SH	eP	11 21 06
May 28		
BC	eP	18 17 34
	i	18 42
OV	e	18 17 35
PF	eP	18 17 11
	i	17 30
	i	18 38.5

Date and Station		Phase (GCT)
		h m s
May 29, H = 00 20 39** Probable epicenter Kermadec Islands region.		
TUC	iP	00 33 33
	F	00.7
May 29		
TUC	iP	03 12 35
	F	03.6
PF	eP	03 12 43
May 29		
TUC	iP	12 09 30
	epP	11 23
	F	12.4
May 29		
SJ	e	17 53 44
	F	18.0
SH	iP	17 47 40
	e	51 44
TUC	eP	17 53 07
	e	55 05
	e	57 19
	eL	18 35 12
	F	18.8
May 31, Probable epicenter region of Japan.		
BC	iP	18 23 48
GC	eP	18 23 00
OV	iP	18 23 46.5
PF	iP	18 23 50
	iS	33 44
SH	iP	18 23 03
TUC	eP	18 24 14
	i	24 26
	eL	50 00
	F	19.1

Date and Station		Phase (GCT)
		h m s
May 31		
PF	eP	21 01 29.5
TUC	eP	21 01 32
	F	21.2
May 31		
BC	e	23 03 58
OV	e	23 04 02
PF	iP	23 04 01
SH	iP	23 24 07
TUC	iP	23 04 08
June 1, H = 06 44 40** Probable epicenter Tonga Islands region.		
BC	iP	06 56 48.9
OV	iP	06 56 52.7
PF	iP	06 56 50
SH	iP	06 56 40.5
TUC	iP	06 56 51
	ipP	57 04
	F	06.9
June 1, H = 15 13 29* Epicenter in the region 52° N., 170° W. Eastern Aleutian Islands. Depth about 70 km.		
BER	iS	15 34 40
	eL	50 15
	F	16.9
BC	eP	15 21 25
	i	27 08.5
	eS	27 40.5
BOZ	eP	15 20 57
	eS	26 47
	eL	30 45
	F	16.9

Date and Station		Phase (GCT)
		h m s
June 1, cont.		
BUT	eS	15 26 41
	eL	30 08
	F	16.1
CHI	iS	15 30 35
	eScS	32 43
	eL	39 04
	F	16.5
COL	e(P)	15 17 42
	eS	20 49
	eL	22 26
	F	Lost.
GC	i	15 20 09
	eL	25 15
HONO	ePP	15 21 07
	eS	25 00
	eL	27 17
	F	15.7
HUAN	eS	15 38 08
	e(SS)	46 43
	eL	57 28
	F	16.8
OV	iP	15 21 24.7
PF	iP	15 21 28.5
	iS	27 50.5
RC	eP	15 21 45
	e	23 48
	eS	28 12
	eL	31 50
	F	16.0
SLC	eP	15 21 16
	ePP	22 50
	eS	27 12
	eL	30 38
	F	16.5
SJ	e	15 26 40
	iS	36 24
	e	41 28
	eL	48 17
	F	16.2

Date and Station		Phase (GCT)
		h m s
June 1, cont.		
SH	iP	15 20 23.5
	eS	25 51
SIT	eP	15 18 14
	eS	21 59
	eL	23 08
	F	17.9
TUC	iP	15 22 05
	i	22 19
	ePP	23 50
	i	27 29
	eS	28 55
	eL	32 43
	F	Lost.
June 1, H = 15 43 39* Aftershock of Aleutian Islands quake.		
BC	iP	15 51 34.5
	eS	57 51.5
COL	e(P)	15 47 59
	eS	50 48
	eL	52 46
	F	16.6
GC	e	15 50 16
	eL	55 24
HONO	e(S)	15 55 45
	eL	59 22
	F	16.2
OV	eP	15 51 32.2
SH	eP	15 50 31
	eS	55 57
TUC	iP	15 52 15
	i	52 26
	iPP	54 12
	i	56 47
	eS	59 17
	eScS	16 02 06
	eL	05 07
	F	16.5

Date and Station		Phase (GCT)
		h m s
June 1, H = 16 54 50* Epicenter in the region 46.6° N., 112.0° W. Montana. Felt at Helena.		
BC	eP	16 57 28.5
	eL	17 00 29.5
BOZ	iP	16 55 13
	i	55 14
	iS	55 32
	F	17.0
BUT	iP	16 55 04
	F	17.0
GC	iP	16 56 06.8
	i	56 22.8
	iS	57 01
	iL	57 23
LOG	e(P)	16 56 19
	i(S)	57 23
	iL	57 53
	F	17.1
OV	eP	16 57 23
	eL	17 00 10
PF	eP	16 57 30.4
	eL	17 00 23.4
RC	i	16 57 03
	iL	58 06
	F	17.0
SLC	eL	16 57 56
	F	17.0
SH	iP	16 57 13
	i	57 50
TUC	eP	16 58 24
	eL	17 02 24
	F	17.1
June 1, H = 21 20 14 By Pasadena 33°07' N., 116°01' W. Bailey's Well, near Borego Valley, Calif. Mag. 3.5.		

Date and Station		Phase (GCT)
		h m s
June 1, cont.		
BC	eP	21 21 04.5
	e	21 14.0
	iL	21 49.0
OV	i	21 21 33
	iL	22 08
PF	eP	21 21 10
	i	21 21
	iL	21 59.5
TUC	e	21 21 39
	eL	22 40
	F	21.4
June 1, H = 22 24 07* Epicenter in the region 6½° N., 34° W. Atlantic Ocean, southwest of Cape Verde Islands.		
BER	e	22 32 52
	eL	40 10
	F	23.7
BC	eP	22 36 08.0
HUAN	e	22 32 42
	e	36 08
	eS	39 04
	eL	44 07
	F	23.4
OV	iP	22 36 08
PF	iP	22 36 06
SJ	eP	22 30 42
	eS	35 55
	iL	37 44
	F	23.8
TUC	iP	22 35 50
	i	35 59
	eL	23 02 15
	F	23.3

Date and Station		Phase (GCT)
		h m s
June 2, H = 06 10 13 By Pasadena 35°07' N., 117°14' W. Northeast of Barstow, Calif. Mag. 3.9.		
BC	iP	06 10 51.5
	i	10 54.5
	i	10 57.5
	e(S)	11 23.5
OV	iP	06 10 58.5
	i	11 05
	eS	11 33
	eL	11 41
PF	iP	06 11 00
	i	11 06
	i	11 10
	eL	11 41.5
TUC	iP	06 11 44
	i	11 51
	iL	13 24
	F	06.3
June 2		
TUC	eP	10 23 11
	e	28 54
	F	10.7
June 2		
COL	iP	13 58 34
	iS	58 56
	F	14.1
GC	e	14 10 51
TUC	eP	14 05 58
	F	14.2
June 2, H = 18 16 40** Probable epicenter region of Honshu Island, Japan.		
BC	iP	18 29 06
	i	29 42.0
OV	iP	18 29 05.5

Date and Station		Phase (GCT)
		h m s
June 2, cont.		
PF	iP	18 29 07.5
TUC	iP	18 29 30
	i	30 06
	F	18.6

June 3, H - 13 05 36
Epicenter in the region 8.6° N., 82.6° W. Panama. Felt in Province of Chiriqui with minor damage at David and Puerto Armuelles. Mag. 7.

Date and Station		Phase (GCT)
BH	iP	13 06 27
	i(S)	07 13
	F	13 45
BER	eP	13 11 34
	e	11 48
	e	12 20
	eS	16 21
	eL	17 24
	F	15.0
BC	iP	13 13 13
	e	19 05
	eScS	23 20
BOZ	eL	13 24 19
	F	14.5
BUT	eP	13 13 57
	ePP	15 50
	e(S)	19 47
	eL	24 35
	F	14.6
CHI	eP	13 12 14
	ePP	13 26
	eS	17 44
	eL	18 49
	F	15.3
COL	eP	13 16 58
	eS	26 20
	eL	38 49
	F	14.9
COLU	eP	13 11 04
	eS	15 33
	eL	18 53
	F	14.4
GC	eP	13 14 26
	i	14 59.5
	i	20 52
	eS	21 36
HONO	e(S)	13 26 45
	eL	38 16
	F	14.6
HUAN	iP	13 10 27
	i	11 08
	iS	14 27
	iL	15 40
	F	15.3
LOG	eP	13 13 27
	ePP	15 10
	eS	19 54
	eL	23 56
	F	14.7
OV	eP	13 13 11.5
	e	19 03.5
PHIL	iP	13 12 04
	e	12 26
	ePPP	13 23
	e	16 25
	iS	17 18
	eL	18 41
	F	14.8
PF	iP	13 13 09.5
	iS	19 03
	eL	23 31
RC	iP	13 13 08
	i	13 21
	ePP	14 35
	iS	19 14
	eL	22 24
	F	14.4
SLC	eP	13 13 22
	ePP	15 06
	eS	19 42
	eL	22 45
	F	15.0
June 3, cont.		
SJ	iP	13 09 57
	iS	13 14
	iL	14 17
	F	15.7
SEA	eL	13 32 28
	F	15.4
SH	iP	13 14 10
	iPPP	16 59
	eS	21 06
SIT	eP	13 16 03
	ePP	18 24
	eS	24 26
	e	29 03
	eL	33 56
	F	15.1
TUC	iP	13 12 31
	i	12 41
	i	13 24
	ePP	13 55
	eS	18 08
	eL	21 50
	F	14.5
UK	eP	13 14 10
	eS	21 10
	eL	25 26
	F	15.1
June 3		
BH	iP	13 19 13
	iS	19 56
	F	13 22
June 3		
BH	e	14 03 33
June 3		
BH	eP	16 05 19
	eS	06 03
	F	16 08

June 3, H = 16 56 59*
Aftershock of Panama quake.

Date and Station	Phase	Phase (GCT)
		h m s
June 3, cont.		
BH	iP	16 57 52
	i(S)	58 38
	F	17 05
TUC	eP	17 03 54
	F	17.1
June 3		
BH	eP	21 39 41
	eS	40 20
	F	21 43
June 3, H = 23 35 55* Aftershock of Panama quake.		
TUC	eP	23 42 51
	eS	48 17
	F	23.9
June 4		
BH	e	00 42 47
June 4		
BH	e	01 38 21
June 4, H = 04 57 35* Aftershock of Panama quake.		
BH	eP	04 58 37
	iL	59 19
	F	05 04
TUC	eP	05 04 30
	F	05.1
June 4		
PF	e	08 17 02
	i	17 09
	eL	17 23
SH	eP	08 17 02
TUC	iP	08 17 39
	i	17 56
	F	08.4
June 4		
BH	e	10 12 00

Date and Station	Phase	Phase (GCT)
		h m s
June 4, H = 12 08 55* Epicenter in the region 30° N., 80° E. Northern India. Slightly deeper than normal. Mag. 7.		
BER	eS	12 35 45
	eSS	43 14
	eL	13 03 32
	F	14.2
CHI	eSKS	12 33 52
	ePS	37 07
	eSS	42 37
	e	48 23
	eL	13 01 25
	F	13.8
COL	eP	12 20 58
	eS	30 51
	eL	49 39
	F	13.5
HUAN	eP'	12 29 35
	eSS	51 51
	eL	13 25 04
	F	14.6
SLC	eSKS	12 34 00
	e	48 01
	eL	13 08 44
	F	13.7
SH	iP	12 27 30.5
	i	27 35.5
	iSKS	33 47
	i	33 59
SIT	eP	12 21 48
	eSKS	32 14
	eL	52 27
	F	14.0
TUC	iP'	12 27 44
	ePP	28 51
	eL	13 15 40
	F	13.8
UK	eL	13 11 56
	F	14.1

Date and Station	Phase	Phase (GCT)
		h m s
June 4, H = 15 53 29* Aftershock of Panama quake.		
BH	eP	15 54 27
	e(S)	55 15
	F	Lost.
BER	eL	16 07 14
	F	16.6
BC	e	16 01 06
HUAN	eP	15 58 27
	e	59 02
	eS	16 02 20
	eL	03 27
	F	16.5
SJ	eP	15 57 50
	i	58 22
	eS	16 01 21
	eL	02 16
	F	16.8
TUC	eP	16 00 24
	F	16.1
June 4		
BH	eP	16 04 22
	eS	05 14
	F	Lost.
June 4		
BH	e	16 09 38
June 4		
BH	e	16 20 45
June 4		
BH	e	17 18 42
June 4		
BH	e	17 39 53
June 5		
BH	eP	04 45 47
	iS	46 25
	F	04 50

Date and Station		Phase (GCT)
		h m s
June 5		
BH	eP	08 38 08
	iS	38 47
	F	08 41
June 5		
BH	eP	09 54 06
	iS	54 47
	F	09 58
June 5		
BH	e	14 41 39
June 5		
BH	eP	21 54 34
	eS	55 21
	F	22 02
June 6		
BC	e	01 05 52
COL	e	01 08 08
	e	11 20
	eL	20 33
	F	01.9
PHIL	eL	01 53.9
	F	02.3
PF	e	01 04 02
	e	05 55
SLC	e	01 16 43
	eL	45 56
	F	02.1
SJ	e	01 15 20
	eL	02 01 45
	F	02.7
SH	i	01 03 22.5
	e	05 16
	e	15 35
TUC	e	01 06 16
	F	01.2
June 6		
BH	e	01 30 39
June 6		
BH	e	02 42 34

Date and Station		Phase (GCT)
		h m s
June 6, H = 07 00 08* Epicenter in the region 61° N., 28½° W. North Atlantic Ocean, 250 miles southwest of Iceland.		
BOZ	eL	07 24 59
	F	08.0
BUT	ePP	07 10 51
	eS	15 55
	eL	25 30
	F	07.9
CHI	eS	07 13 54
	eSS	16 44
	eL	19 16
	F	07.9
COL	eS	07 15 39
	eL	19 37
	F	07.8
OV	iP	07 09 56.5
PHIL	eS	07 12 41
	eL	16 50
	F	07.9
PF	iP	07 09 56.5
RC	eP	07 08 33
	eSS	18 39
	eL	23 48
	F	08.1
SLC	eS	07 16 48
	eL	26 53
	F	08.1
SJ	e	07 10 34
	eS	16 15
	eL	20 52
	F	08.1
SIT	eS	07 16 13
	e(SS)	19 52
	eL	25 20
	F	07.9

Date and Station		Phase (GCT)
		h m s
June 6, cont.		
TUC	iP	07 10 09
	eS	17 41
	eL	28 43
	F	08.1
June 6, H = 07 44 24* Aftershock of Panama quake.		
BH	i(P)	07 45 25
	i(S)	46 12
	F	07 52
TUC	eP	07 51 19
	F	08.0
June 6		
TUC	iP	09 29 02
	ipP	29 18
	F	09.6
June 6		
BH	eP	22 14 16
	iS	14 57
	F	22 18
June 7		
BC	e	00 19 04
	e	19 05
June 7		
BH	eP	01 17 00
	eS	17 38
	F	01 24
June 7		
BH	eP	01 45 30
	eS	46 16
	F	01 51
June 7		
BH	e	01 56 17
June 7		
BH	e	02 28 25
June 7		
BH	e	03 06 33
June 7, H = 11 47 43** Probable epicenter Tonga Islands region.		

Date and Station		Phase (GCT)
		h m s
June 7, cont.		
BER	eL	12 53 24
	F	13.7
BC	eP	11 59 54.5
BOZ	eL	12 27 27
	F	13.7
CHI	eL	12 42 15
	F	13.4
HONO	e	12 04 06
	eL	11 23
	F	12.5
HUAN	e	11 12 13
	eL	12 31 01
	F	13.4
PHIL	eL	12 47 12
	F	13.6
PF	eP	11 59 57
RC	eL	12 38 34
	F	13.2
SLC	eL	12 24 26
	F	13.4
SH	eP	11 59 47
TUC	iP	11 59 57
	i	12 00 03
	i	00 10
	eL	26 20
	F	13.5
UK	eL	12 21 34
	F	13.5
June 7		
BH	e	11 58 48
June 7		
BC	eP	20 07 33.5
	iP	07 45.5
PF	eP	20 06 59.5
	i	06 28.5

Date and Station		Phase (GCT)
		h m s
June 7, cont.		
SH	iP	20 06 50
TUC	eP	20 08 01
	e	08 13
	F	20.2
June 7		
TUC	i	20 22 41
	F	20.4
June 8		
TUC	eP	17 55 35
	F	18.0
June 9, H = 03 25 52* Aftershock of Panama quake.		
BH	eP	03 26 54
	i(S)	27 39
	F	03 34
TUC	eP	03 32 47
	F	03.6
June 9, H = 16 56 55* Probable epicenter off west coast of Chile.		
TUC	iP	17 07 48
	F	17.2
June 10		
SH	iP	21 28 56
TUC	iP	21 29 08
	e	29 25
	F	21.6
June 10, H = 23 49 30** Probable epicenter off coast of Oregon.		
GC	eP	23 51 04
SH	eP	23 50 27.5
	i(S)	51 21
TUC	eP	23 53 24
	F	23.9

Date and Station		Phase (GCT)
		h m s
June 10, cont.		
UK	eL	23 51 52
	F	00.0
June 11		
BH	eP	10 31 07
	iS	31 52
	F	10 35
June 12		
BH	e	03 44 26.
June 12		
TUC	eP	09 16 09
	F	09.3
June 12		
BH	e	13 21 11
June 12		
BC	eP	16 10 08
	e	10 21
COL	e	16 21 07
	eL	35 22
	F	17.2
HONO	e	16 11 34
	e	15 30
	eL	16 54
	F	16.8
OV	iP	16 10 12.5
	i	10 14.5
PF	iP	16 10 10.5
	i	10 20
	i	10 30
RC	eL	16 45 47
	F	17.2
SJ	eL	16 51 20
	F	17.8
SH	eP	16 09 48.5
	i	09 55.5
TUC	eP	16 10 13
	i	10 46
	eL	34 36
	F	17.5

Date and Station		Phase (GCT)
		h m s
June 12, cont.		
UK	eL	16 28 25
	F	17.0
June 12		
TUC	eP	16 22 50
	F	16.4
June 12		
BH	e	17 17 35
June 13		
BH	e	04 25 00
June 13, H = 14 05 59* Aftershock of Panama quake.		
BH	iP	14 06 50
	i(S)	07 36
	F	14 18
TUC	iP	14 12 54
	F	14.3
June 14		
CHI	eL	01 05 51
	F	01.4
SJ	e	00 04 13
	eL	27 16
	F	01.9
SIT	eL	00 35 41
	F	17.2
TUC	eP	00 03 40
	e	07 04
	e	15 07
	F	00.1
June 14		
TUC	iP	02 01 25
	F	02.1
June 14, H = 03 31 13 By Pasadena 37°05' N., 117°30' W. North of Death Valley, Calif. Mag. 5.0.		
		h m s
June 14, cont.		
BC	iP	03 31 54.5
	i	31 59
	iS	32 25
BOZ	eP	03 33 41
	eL	36 40
	F	03.8
BUT	eL	03 36 28
	F	03.7
GC	eL	03 37 04
LOG	e	03 33 21
	eL	34 38
	F	03.7
OV	iP	03 32 02
PF	eP	03 32 01.5
	i	32 03
	i	32 08.5
SLC	e	03 33 22
	e	33 25
	eL	34 25
	F	03.7
SH	eP	03 32 21.5
	e	32 34.7
	i	32 38
	i	32 52
	eL	33 58
TUC	iP	03 33 03
	i	33 19
	i	33 31
	i	33 36
	i	33 56
	eS	34 31
	iS	34 36
	i	34 44
	i	34 51
	i	35 00
	i	35 10
	i	35 20
	iL	35 29
	F	03.8
UK	eS	03 33 11
	iL	34 08
	F	03.8
		h m s
June 14		
TUC	iP	16 04 53
	F	16.1
June 15, H = 04 18.2* Epicenter in the region 51° N., 170° W. Aleutian Islands. Depth slightly greater than normal.		
BC	iP	04 25 59
	i	26 09
COL	e	04 22 18
	e(S)	25 28
	eL	27 15
	F	04.8
OV	iP	04 25 59
PF	iP	04 26 02.5
	eS	32 24.5
SH	iP	04 24 55
SIT	e(P)	04 22 49
	eS	26 35
	eL	30 29
	F	04.8
TUC	iP	04 26 38
	i	26 50
	i	32 22
	F	04.6
June 15		
TUC	iP	06 18 59
	F	06.4
June 15		
HUAN	iP	09 09 15
	iS	09 39
	F	09.3
June 15		
BC	iP	17 50 07.5
PF	iP	17 50 09

Date and Station		Phase (GCT)
		h m s
June 15		
SJ	eP	18 21 43
	iS	22 08
	iL	22 21
	F	18.7
TUC	iP	17 50 34
	e	50 57
	F	17.9
June 15, Probable epicenter near coast of Chile. Depth about 100 km.		
TUC	iP	18 59 03
	i	59 41
	F	18.1
June 15, H = 22 24 21* Epicenter in the region 48° N., 123° W. Near Strait of Georgia. Felt in Washington.		
GC	iP	22 25 02.4
	i	25 06.7
	i	25 08
	i	25 20.7
	i(S)	25 43.4
TUC	eP	22 28 35
	e	28 55
	F	22.5
June 15		
MONT	e	22 48 27
	e	49 34
	iS	49 37
	eL	48 48
	F	22.9
June 15		
TUC	iP	23 31 44
	F	23.6
June 16		
SJ	eP	18 24 03
	eS	24 20
	iL	24 31
	F	18.7

Date and Station		Phase (GCT)
		h m s
June 16, H = 19 54 50* Epicenter in the region 50° N., 29° W. North Atlantic Ocean.		
BC	iP	20 05 06.5
	i	05 12
PF	iP	20 05 02.5
TUC	iP	20 05 06
	F	20.2
June 16		
SH	iP	20 17 53
TUC	iP	20 19 02
	F	20.4
June 17		
HUAN	eL	00 27 00
	F	00.8
June 17, H = 09 03 18 By Pasadena 34° 05' N., 117°02' W. San Andreas Fault, near Yucaipa, Calif. Mag. 3.4.		
BC	iP	09 04 01.5
	iL	04 41.5
OV	iP	09 04 23
	iL	05 04.5
PF	eP	09 04 09.5
	iS	04 30
	eL	05 00
TUC	eP	09 04 47
	e	05 06
	F	09.1
June 17, H = 16 43 00** Probable epicenter near west coast of Mexico.		
BC	iP	16 47 18
	eL	53 20
BOZ	eL	16 58 18
	F	17.2

Date and Station		Phase (GCT)
		h m s
June 17, cont.		
CHI	e(S)	16 53 41
	eL	56 37
	F	17.3
OV	iP	16 47 21
PHIL	eL	17 01 20
	F	17.4
PF	iP	16 47 15
RC	eL	16 56 41
	F	17.3
SLC	e(S)	16 52 06
	eL	54 41
	F	17.4
TUC	iP	16 46 16
	i	46 29
	eL	50 33
	F	17.1
June 17, Probable epicenter near northern coast of Chile.		
TUC	iP	17 26 20
	i	26 35
	F	17.5
June 17, Probable epicenter Fox Islands.		
BC	iP	22 52 45.5
	i	52 54.5
COL	e	22 48 59
	eL	51 28
	F	23.2
OV	iP	22 53 14
	i	54 05.5
PF	iP	22 52 49
	i	52 57
TUC	iP	22 53 26
	i	53 35
	F	23.0

Date and Station		Phase (GCT)
		h m s
June 17		
HUAN	eL	00 28 08
	F	00.9
June 18		
OV	iP	04 57 22
TUC	eP	04 56 34
	i	56 50
	F	05.0
June 18		
BH	eP	06 56 16
	iS	56 54
	F	07 00
June 18		
TUC	iP	09 23 40
	F	09.4
June 18		
RC	eL	12 57 23
	F	13.2
SLC	eL	12 56 34
	F	13.3
TUC	iP	12 46 55
	F	12.9
June 19, H = 17 31 15** Probable epicenter region of Hokkaido, Japan. Depth about 80km.		
BC	eP	17 42 59.5
	e	43 03.5
COL	eS	17 46 05
	eL	54 35
	F	18.4
GC	i(P)	17 42 17
CV	i	17 42 59
PF	iP	17 43 02
SH	iP	17 42 13
TUC	iP	17 43 26
	i	43 46
	F	17.8

Date and Station		Phase (GCT)
		h m s
June 19, H = 17 44 20* Probable epicenter near northern coast of Chile. Depth about 180 km.		
BC	eP	17 55 16
GC	i	17 56 25
HUAN	e	17 48 20
	eL	48 42
	F	18.0
PF	iP	17 55 13.5
SH	iP	17 55 58
TUC	iP	17 54 43
	ipP	55 28
	F	18.0
June 20, H = 01 23 45 Epicenter in the region 46¼° N., 153° W. Foreshock of Kurile Islands quake.		
BER	eS	01 48 15
	eL	02 11 22
	F	03.2
BC	eP	01 34 35
BOZ	eP	01 34 08
	eS	42 33
	eL	56 50
	F	03.4
BUT	eP	01 34 06
	eS	42 24
	eL	59 16
	F	02.6
COL	eP	01 30 52
	eS	36 32
	eL	39 24
	F	02.8
GC	e(P)	01 33 54
HONO	eS	01 39 05
	eL	44 16
	F	02.3

Date and Station		Phase (GCT)
		h m s
June 20, cont.		
OV	eP	01 34 36
PHIL	e(P)	01 36 08
	eS	46 31
	eSS	52 22
	eL	02 02 25
	F	03.0
PF	iP	01 34 39
	i	34 50
SJ	eP	01 42 20
	eS	49 57
	eSS	57 27
	eL	02 18 06
	F	03.3
SH	eP	01 33 43
	i	33 56.5
	eS	41 49
SIT	eP	01 31 52
	eS	38 24
	eL	41 37
	F	03.1
TUC	iP	01 35 07
	i	35 19
	eS	44 17
	eL	57 07
	F	02.8
June 20, Probable epicenter New Guinea region.		
BER	eL	09 55 22
	F	11.2
BC	ePP	09 07 01
COLU	e	09 11 32
	eL	52 06
	F	10.8
HUAN	eSS	09 30 01
	eL	56 58
	F	10.7
PHIL	eL	09 45.6
	F	11.0

Date and Station		Phase (GCT)
		h m s
June 20, cont.		
SJ	eP'	09 08 52
	e	12 15
	e	22 31
	eL	54 11
	F	11.1
SH	eP	09 02 15
	i	02 18.5
	ePP	06 12
SIT	e	09 12 05
	eL	29 37
	F	10.2
TUC	ePP	09 07 20
	ePS	16 44
	e	18 58
	eL	37 44
	F	10.6
June 20		
BC	eP	11 52 25
	e	52 32
OV	eP	11 52 37
PF	eP	11 52 35.5
TUC	iP	11 52 36
	eL	12 27 16
	F	13.1
June 20, H - 17 35 07 Epicenter approximately 46¼° N., 153° E. Kurile Islands.		
BER	ePP	17 52 14
	eS	59 33
	eL	18 19 35
	F	20.1
BC	iP	17 45 57.5
	eS	54 46.5
BOZ	eP	17 45 32
	eS	53 58
	eL	18 07 24
	F	20.0

Date and Station		Phase (GCT)
		h m s
June 20, cont.		
CHI	eP	17 47 00
	eS	56 43
	eL	18 09 23
	F	19.4
COL	eP	17 42 15
	eS	47 52
	eL	50 45
	F	19.4
COLU	eS	17 58 13
	eL	18 10 51
	F	19.2
GC	eP	17 45 01
	eS	52 35
HONO	eP	17 43 42
	e	46 00
	eS	50 28
	e	52 26
	e	53 24
	eL	55 23
	F	19.3
HUAN	e	18 03 13
	eSS	13 07
	eL	28 35
	F	19.8
LOG	eP	17 45 47
	e(PP)	48 32
	eS	54 26
	e	54 47
	eSS	58 44
	eL	18 05 47
	F	18.3
PHIL	eP	17 47 38
	iS	57 58
	eSS	18 03 32
	eL	13 34
	F	20.0
PF	iP	17 46 01
	i	46 40.5
	i	47 01
	iS	54 52.5

Date and Station		Phase (GCT)
		h m s
June 20, cont.		
RC	eP	17 46 07
	iS	55 01
	eL	18 02 45
	F	18.7
SLC	eP	17 45 50
	e	54 30
	e	54 32
	e	55 38
	e	58 35
	eL	18 02 56
	F	19.5
SJ	ePP	17 53 44
	e	54 36
	e	18 00 32
	eSKS	01 20
	e	08 22
	eSS	08 43
	eL	19 48
	F	19.8
SH	iP	17 45 06
	i	45 08
	iS	53 12
SIT	iP	17 43 16
	iS	49 46
	eL	53 08
	F	19.9
TUC	iP	17 46 29
	i	46 40
	i	46 47
	iPP	49 11
	eS	55 48
	eL	18 04 32
	F	20.3
UK	eP	17 45 14
	eS	53 12
	eL	59 36
	F	20.2
June 20		
TUC	i	20 10 10
	F	20.2
June 20		
BC	e	20 31 01

Date and Station		Phase (GCT)
		h m s
June 20, cont.		
PF	iP	20 31 04.5
SH	eP	20 30 10
TUC	eP	20 31 33
	F	20.6
June 22, H = 01 06 50** Probable epicenter approximately 1,000 mi. southeast of Easter Islands.		
BC	eP	01 18 38
HUAN	eP	01 13 36
	ePP	14 46
	eS	18 46
	eL	21 19
	F	02.2
PHIL	eL	01 46.0
	F	02.0
PF	eP	01 18 39
SJ	e	01 25 51
	eL	33 20
	F	02.1
SH	iP	01 19 13
TUC	eP	01 18 15
	F	01.4
June 22, H = 09 18 36* Epicenter in the region 44° N., 146° E. Off northeast coast of Hokkaido, Japan. Depth about 100 km. Mag. 7.		
BC	iP	09 29 43
	i	29 58.5
	i	38 38.5
	iS	39 04
	e	40 13.5

Date and Station		Phase (GCT)
		h m s
June 22, cont.		
BOZ	eP	09 29 26
	i	29 32
	eS	38 16
	esS	39 04
	eSS	42 45
	eSSS	46 00
	eL	48 44
	F	11.1
CHI	iP	09 30 50
	iS	40 49
	eSS	46 15
	eSSS	49 46
	eL	57 14
	F	11.2
COL	eP	09 26 17
	epP	26 44
	eS	32 23
	eL	35 38
	F	10.9
COLU	eSKS	09 41 48
	eSS	47 40
	e(sSS)	48 39
	eSSS	52 08
	eL	56 24
	F	11.1
GC	iP	09 28 50.5
	iPP	30 49
	i	32 16
	iS	37 03
	e	38 28
HONO	eP	09 27 34
	i	27 40
	i	28 28
	e	30 25
	eS	34 51
	esSS	39 03
	eL	39 26
	F	10.2
HUAN	eP'	09 37 47
	eSKP	41 01
	e	42 37
	eSS	57 36
	eSSS	10 03 09
	eL	13 05
	F	11.4

Date and Station		Phase (GCT)
		h m s
June 22, cont.		
LOG	iP	09 29 44
	F	09.6
OV	iP	09 29 52.5
	iS	39 02
PHIL	iP	09 31 23
	i	31 25
	eSKS	41 32
	iS	41 54
	isS	42 37
	esSS	48 21
	F	11.4
PF	iP	09 29 55.5
	i	39 39
RC	iP	09 30 00
	ipP	30 31
	iS	39 15
	iL	39 57
	F	10.5
SLC	eP	09 29 44
	eS	38 43
	ePS	39 37
	e(SS)	43 49
	eSSS	46 41
	eL	47 35
	F	11.1
SJ	ePP	09 37 45
	e	38 27
	eS	45 10
	eSS	53 02
	eSSS	57 21
	eL	10 04 32
	F	10.9
SH	eP	09 29 05.2
	isP	29 45
	iS	37 34
	e	37 53
	e	38 46
SIT	eP	09 27 15
	iS	34 13
	esSS	38 17
	eL	40 37
	F	11.4

Date and Station		Phase (GCT)
		h m s
June 22, cont.		
TUC	iP	09 30 22
	ipP	30 47
	e	37 40
	eS	40 00
	eSS	45 03
	e(SSS)	48 46
	eL	51 04
	F	11.3
UK	eP	09 29 10
	eS	37 38
	eL	46 05
	F	11.2
June 22		
TUC	iP	15 49 47
	F	15.9
June 22, H = 18 00 48* Epicenter in the region 32½° N., 76½° E. Kashmir Province, India.		
BER	ePP	18 19 23
	eS	27 01
	eSS	34 18
	eL	53 47
	F	20.1
BC	e	18 19 04
	ePP	20 20
BOZ	ePP	18 18 56
	eSKS	25 24
	eL	41 14
	F	18.9
BUT	eP	18 14 53
	ePP	18 52
	eSKS	25 27
	eL	50 23
	F	19.7
CHI	e(PP)	18 19 13
	eSKS	25 35
	ePS	28 27
	eL	49 55
	F	20.4
COL	eP	18 12 44
	eS	22 26
	eL	36 14
	F	19.7
June 22, cont.		
GC	eP	18 18 33
	eSKS	25 08
HUAN	eP'	18 20 39
	i	21 04
	i	23 08
	e	32 53
	eSS	42 49
	eSSS	48 03
	eL	19 01 26
	F	20.4
LOG	ePP	18 19 31
	eSKS	25 47
	eS	26 54
	ePS	28 50
	e	39 08
	eL	50 37
	F	19.6
PHIL	e	18 18 25
	ePP	19 07
	iPKS	21 16
	iSKS	25 29
	ePS	28 16
	e	31 47
	eSS	33 39
	eL	43 36
	F	20.0
PF	eP'	18 19 30
	e	19 50
SJ	e	18 19 05
	iPP	20 58
	e(SKS)	28 40
	e	30 36
	e	30 39
	e	34 32
	eSS	37 05
	e	40 32
	e	46 06
	eL	55 25
	F	20.9
SH	e	18 19 04.5
	i	25 10
	eSKS	25 45
June 22, cont.		
SIT	eP	18 13 40
	ePP	16 57
	eS	24 03
	e(SSS)	34 08
	eL	34 22
	F	19.8
TUC	iP'	18 19 40
	e	20 27
	ePP	20 46
	e	24 59
	eSKS	26 25
	eS	28 22
	ePS	30 10
	eL	57 44
	F	21.0
UK	eL	19 01 32
	F	19.6
June 23		
TUC	iP	01 48 24
	e	49 08
	F	01.9
June 23, H = 20 26 00** Probable epicenter Sandwich Islands region.		
BC	iP'	20 44 44.5
	i	44 50.5
GC	e(P')	20 45 04
	e	45 19
HUAN	e	20 36 20
	e	38 32
	e(S)	44 45
	eL	50 38
	F	21.8
PF	iP'	20 44 42
	i	44 54.5
SJ	eP	20 38 32
	e	41 27
	eS	48 26
	e	53 49
	eL	59 30
	F	21.8

Date and Station		Phase (GCT)
		h m s
June 23, cont.		
SH	iP'	20 44 57.5
	i	45 12.5
TUC	iP'	20 44 35
	i	44 49
	ePS	55 16
	F	21.0
June 24		
BH	iP	01 04 22
	iS	05 04
	F	01 10
June 24		
OV	iP	05 17 14
	i	17 38
TUC	iP	05 17 42
	i	18 06
	F	05.4
June 24		
BH	e	08 31 11
June 24		
BC	eP	11 12 48
	e	12 58
OV	iP	11 12 46
	i	12 52
PF	iP	11 12 45
	i	13 09.5
TUC	iP	11 12 51
	F	11.3
June 24		
HUAN	e	16 46 02
	e	47 02
	e(S)	47 53
	eL	48 15
	F	17.2
June 24, H = 17 11 55** Probable epicenter Bonin Islands region.		
BC	eP	17 24 23.5

Date and Station		Phase (GCT)
		h m s
June 24, cont.		
PF	iP	17 24 32
	i	24 51.5
	i	25 00.5
OV	eP	17 24 30
SH	iP	17 23 51
TUC	iP	17 24 52
	F	17.5
June 24, H = 19 57 56* Epicenter in the region 35° S., 71° W. Approximately 100 miles south of Santiago, Chile. Depth about 100 km.		
BC	iP	20 10 04.5
	ipP	10 28
	eS	20 11
BUT	eP	20 10 47
	eSKS	21 07
	eL	54 44
	F	21.2
CHI	eP	20 09 48
	e	13 03
	eS	19 26
	eSSS	28 14
	eL	32 44
	F	21.4
GC	eP	20 11 04
HUAN	eP	20 03 02
	iPP	03 40
	i	04 44
	iS	07 04
	i	07 17
	iL	07 42
	i	07 55
	F	21.0
OV	iP	20 10 11
	i	10 26.5

Date and Station		Phase (GCT)
		h m s
June 24, cont.		
PHIL	iP	20 09 29
	ePcP	09 44
	iS	18 57
	isS	19 39
	F	20.6
PF	iP	20 10 08
	ipP	10 33
SJ	eP	20 07 09
	ePP	08 20
	iS	14 24
	isS	14 54
	eL	20 02
	F	21.0
SH	iP	20 10 45
	ipP	11 10
	e(SKS)	21 04
	iS	21 23
	esS	21 56
TUC	iP	20 09 43
	ipP	10 07
	ePP	12 34
	eS	19 24
	e	19 27
	esS	19 49
	eL	34 32
	F	20.9
June 24		
COL	eP	21 41 05
	i	41 13
	i	41 41
	F	21.8
June 25		
BUT	e	08 12 18
	eS	18 43
	eL	27 02
	F	09.1
CHI	e	08 15 45
	eL	20 12
	F	08.9
PHIL	eL	08 15 15
	F	08.7

Date and Station		Phase (GCT)
		h m s
June 25, cont.		
TUC	eP	08 12 35
	F	08.3
June 25		
BH	e	09 28 31
June 25		
SH	eP	15 57 58.5
	i	16 01 59
TUC	eP	15 59 23
	i	16 03 28
	F	16.1
June 25, Probable epicenter region of Japan. Depth about 80 km.		
BC	iP	23 52 07
	i	52 17.5
	i	52 26.5
GC	e	23 51 29
OV	iP	23 52 07.5
	i	52 16
PF	iP	23 52 09
	i	52 14.5
	i	52 28
SH	iP	23 51 22.5
	i	51 42
TUC	iP	23 52 33
	ipP	52 53
	F	00.0
June 26, H = 01 57 00** Epicenter in the region 17° S., 76° W. Off coast of Peru.		
HUAN	iP	01 58 07
	i	58 23
	iS	58 58
	iL	59 12
	F	03.0

Date and Station		Phase (GCT)
		h m s
June 26, cont.		
SJ	eP	02 04 04
	eS	09 36
	eL	12 02
	F	02.9
TUC	eP	02 07 03
	F	02.2
June 26		
TUC	eP	06 46 26
	i	49 10
	eL	07 18 26
	F	07.8
June 26		
BH	e	09 38 25
June 26		
BC	eP	16 56 17.5
GC	iP	16 56 38
OV	eP	16 56 21.5
PF	eP	16 56 21.5
SH	iP	16 56 07
	e	58 18
TUC	iP	16 56 23
	i	56 40
	i	56 49
	i	57 12
	F	17.0
June 26, H = 21 25 23* Epicenter in the region 5° N., 83° W. Approximately 250 miles off Pacific coast of Panama.		
BH	eP	21 26 40
	eS	27 38
	F	21 34
BC	eP	21 33 24.5
SJ	eP	21 30 13
	eS	34 08
	eL	37 00
	F	21.8

Date and Station		Phase (GCT)
		h m s
June 26, cont.		
TUC	iP	21 32 43
	F	21.6
June 27, H = 13 08 18 Epicenter approximately 26.7° N., 111.3° W. Gulf of California. Felt at Santa Rosalia, Baja Calif. Mag. 7.		
BER	iPP	13 17 30
	eS	22 23
	eSS	24 51
	eL	28 15
	F	16.4
BC	iP	13 10 42
	i	10 44
	e	11 20
	e(S)	12 42
	eL	13 15
BOZ	iP	13 12 40
	i	12 56
	iS	16 20
	iL	18 16
	F	16.0
BUT	iP	13 12 46
	i	13 37
	i	14 07
	i(S)	16 39
	eL	18 07
	F	15.6
CHI	eP	13 13 38
	eS	18 00
	e	18 37
	eL	19 38
	F	15.6
COL	eP	13 16 32
	ePP	18 20
	eS	23 16
	eL	26 39
	F	15.7
COLU	eP	13 14 00
	eS	18 36
	eL	20 54
	F	15.8

Date and Station		Phase (GCT)
		h m s
June 27, cont.		
GC	eP	13 13 12.3
	i	13 15
	eS	17 21
	eL	19.4
HONO	e	13 17 35
	eS	22 52
	eL	26 06
	F	15.9
HUAN	eP	13 17 35
	ePP	19 30
	e	19 34
	eS	24 52
	eSS	28 20
	eL	30 51
	F	15.5
LOG	iP	13 11 55
	i	13 02
	iS	14 57
	iL	16 08
	F	15.3
OV	iP	13 10 47.5
PHIL	eS	13 20 05
	iL	23 35
	F	Lost.
PF	iP	13 10 39.5
	i	10 43
	eL	13 20
RC	eP	13 12 36
	iS	16 03
	eL	16 48
	F	14.4
SJ	eP	13 16 09
	ePP	17 23
	iS	22 40
	eL	25 48
	F	16.4
SEA	e	13 13 34
	e(S)	17 45
	eL	20 16
	F	14.6

Date and Station		Phase (GCT)
		h m s
June 27, cont.		
SH	iP	13 12 15.5
	i	12 16.5
	i	15 05
	eS	15 24
	eL	16.1
SIT	eP	13 15 12
	iPP	16 35
	eS	20 50
	eL	22 53
	F	16.6
TUC	iP	13 09 38
	iS	10 43
	i	10 55
	eL	11 10
	F	17.0
UK	eP	13 12 06
	eS	15 14
	iL	16 04
	F	16.2
June 27, H = 18 08 05* Aftershock of Gulf of California quake.		
BER	ePP	18 17 24
	eSS	25 11
	eL	28 17
	F	19.4
BC	iP	18 10 23.5
	i	10 27.5
	i	10 56
	i	11 25
BOZ	eP	18 12 25
	e	12 38
	iS	16 10
	eL	17 50
	F	19.7
BUT	eP	18 12 31
	eS	16 18
	eL	18 27
	F	19.4
CHI	iL	18 21 08
	F	19.6

Date and Station		Phase (GCT)
		h m s
June 27, cont.		
COL	eP	18 26 16
	e	26 28
	eL	28 32
	F	19.5
COLU	eS	18 18 28
	eL	21 59
	F	19.5
GC	eP	18 12 59
	e	13 01
	i	14 05
	eL	19 27
HONO	e	18 24 02
	eL	28 04
	F	19.0
HUAN	e	18 17 33
	eS	24 53
	eL	31 02
	F	19.1
LOG	iP	18 11 40
	i	12 32
	eS	14 37
	eL	15 14
	F	19.6
OV	iP	18 10 29.5
	i	11 48.5
PHIL	eS	18 19 53
	eL	22 00
	F	19.1
PF	iP	18 10 23
	i	11 09.5
RC	iP	18 12 23
	eS	15 49
	eL	17 47
	F	18.3
SLC	eL	18 52 21
	F	20.4
SJ	eP	18 16 06
	eS	22 24
	eL	25 02
	F	18.9

Date and Station		Phase (GCT)
		h m s
June 27, cont.		
SEA	eL	18 20 01
	F	18.6
SH	iP	18 11 53.9
	eS	15 12
	eL	16.6
SIT	ePP	18 16 20
	eS	20 36
	eL	23 24
	F	19.8
TUC	iP	18 09 24
	e	09 30
	iL	10 44
	F	19.9
UK	eP	18 11 55
	eS	15 00
	eL	15 49
	F	20.2
June 27		
COLU	eL	20 10 15
	F	20.4
RC	eL	20 05 56
	F	20.2
TUC	iP	19 57 20
	i	58 43
	F	20.3
June 27		
BC	iP	23 49 33
June 27, H = 23 55 00** Probable epicenter near coast of Peru.		
BC	iP	00 05 45
	i	06 54.5
HUAN	e	23 56 38
	eL	57 25
	F	00.1
OV	iP	00 05 46.5
	i	05 57.7
PF	iP	00 05 42
	i	05 46

Date and Station		Phase (GCT)
		h m s
June 28, cont.		
SH	iP	00 06 29.5
TUC	iP	00 05 11
	F	00.2
June 28		
TUC	iP	04 49 23
	F	04.9
June 28		
TUC	iP	07 25 10
	F	07.5
June 28		
TUC	e	09 09 50
	F	09.2
June 28		
BH	e	17 15 39
	e	16 23
	F	17 19
BC	e	17 20 52
	e	22 27.5
	i	22 47
	e	24 30
OV	eP	17 20 25.5
	i	20 32.5
	i	22 45.5
PHIL	eL	17 35.0
	F	17.8
PF	iP	17 21 09.5
	i	21 27.5
RC	eL	17 27 40
	F	17.8
TUC	iP	17 19 21
	i	19 38
	i	20 21
	i	20 28
	i	20 41
	iL	.21 22
	F	17.7
June 28, Probable epicenter New Hebrides region.		

Date and Station		Phase (GCT)
		h m s
June 28, cont.		
BC	iP	19 34 09.5
GC	iP	19 34 15
PF	iP	19 34 12.5
SH	eP	19 33 48.5
TUC	eP	19 34 17
	F	19.6
June 29		
BH	e	01 55 00
	e	55 23
	F	01 57
June 29		
BH	e	01 49 43
	e	50 06
	F	01 52
June 29		
TUC	iP	02 37 29
	F	02.7
June 29		
HUAN	e	04 51 09
	eL	05 02 45
	F	05.5
June 29		
SH	iP	06 59 53
TUC	eP	07 01 36
	e	01 53
	F	07.1
June 29		
BH	e	22 10 00
June 30		
BH	e	02 20 04
	e	20 41
	F	02 24
June 30, H = 05 31 16* Epicenter in the region 16½° N., 116° W. Approximately 800 miles off west coast of Mexico. Mag. 6¾.		

Date and Station		Phase (GCT)
		h m s
June 30, cont.		
BH	e	05 38 26
	F	06 38
BER	iP	05 40 00
	iPP	42 07
	eS	47 05
	eL	50 53
	F	07.9
BC	iP	05 35 47.5
	i	36 37
BOZ	eP	05 37 25
	iPP	38 22
	iS	42 11
	eL	44 05
	F	08.4
BUT	eP	05 37 25
	ePP	38 22
	eS	42 09
	eL	49 00
	F	08.2
CHI	iP	05 38 10
	iS	43 42
	eL	45 48
	F	08.2
COL	eP	05 40 35
	ePPP	43 45
	eS	48 04
	eL	56 24
	F	06.8
COLU	eP	05 38 18
	eS	43 55
	eL	46 20
	F	07.0
GC	eP	05 37 39
	iPP	38 50
	e	39 49
	eS	42 51
HONO	eP	05 38 53
	ePP	40 36
	eS	45 05
	eL	47 45
	F	08.8

Date and Station		Phase (GCT)
		h m s
June 30, cont.		
HONO, cont.		
T_L=12s. A max.= 25.5mm.		
T_L=20s. A = 6.4mm.		
HUAN	eP	05 40 08
	i	40 41
	e	41 09
	ePP	42 10
	e	45 33
	eS	47 14
	eL	51 16
	F	07.2
LOG	iP	05 36 49
	iPP	37 19
	iS	41 06
	iL	42 01
	F	08.1
OV	iPP	05 36 08
PHIL	iP	05 39 13
	iPP	40 53
	e	44 27
	eS	45 28
	eSS	48 47
	eL	49 42
	F	08.7
PF	eP	05 35 48.5
RC	eP	05 37 25
	e	39 16
	eS	42 15
	eL	43 40
	F	07.9
SJ	eP	05 39 53
	e	41 43
	e	43 07
	eS	46 34
	eL	50 27
	F	08.1
SEA	eL	05 44 14
	F	06.9
SH	iP	05 36 40.5
	i	36 43.5
	iPP	37 18
	eS	41 00
	eL	42 20

Date and Station		Phase (GCT)
		h m s
June 30, cont.		
SIT	eP	05 39 20
	ePP	41 01
	eS	45 44
	eL	49 16
	F	08.5
TUC	iP	05 35 08
	i	35 10
	i	36 13
	i	36 41
	iS	38 09
	iL	38 15
	F	07.7
UK	eP	05 36 30
	eS	40 45
	eL	41 24
	F	08.9
June 30		
BC	iP	09 37 48.5
	i	37 59.5
OV	iP	09 37 54.5
	i	38 08
PF	iP	09 38 20
	i	38 32.5
TUC	iP	09 37 10
	F	09.7
June 30, H = 18 18 25* Epicenter in the region 9½° N., 75° W. Northern Colombia. Depth slightly greater than normal.		
BH	iP	18 19 38
	iS	20 26
	F	18 30
BC	iP	18 26 44
	i	26 56
HUAN	eP	18 23 19
	ipP	23 32
	e	25 44
	eS	27 13
	isS	27 35
	eL	29 49
	F	18.8

Date and Station		Phase (GCT)		
		h	m	s
June 30, cont.				
OV	iP	18	26	45
	i		26	56
SJ	e	18	21	47
	eS		24	04
	eL		25	14
	F	18.8		
TUC	eP	18	26	06
	iP		26	07
	i		26	18
	e		27	34
	e		28	00
	F	18.6		
June 30				
TUC	iP	18	36	29
	F	18.7		

Local and Minor Quakes

day	hour
BH	
June	
4	19.9
	21.3
	23.4
	23.5
5	0.1
	10.2
	17.0
	21.5
6	2.3
BUT	
Apr.	
11	1.7
22	0.9
COL	
Apr.	
12	7.7
19	17.0
HONO	
Apr.	
6	2.4
7	21.5
10	21.5
12	21.5
18	0.5
20	21.4
	22.3
21	21.4
28	21.0
	21.4
May	
10	0.8
11	1.2
12	23.5
16	21.5
23	2.8
26	3.4
June	
2	21.4
3	2.0
7	22.2
15	20.6
28	21.6

day	hour
HUAN	
Apr.	
1	12.8
	19.2
	20.9
2	6.5
4	10.0
	15.0
	17.1
	18.6
5	7.6
6	0.3
	19.1
10	19.1
17	8.6
	11.3
27	13.6
May	
7	4.8
10	12.0
11	4.9
	5.5
	5.7
13	2.2
14	14.5
30	19.9
June	
1	8.5
3	2.1
5	6.0
12	23.7
14	13.1
16	4.1
21	12.0
24	10.3
	17.1
26	3.0
	4.9
	6.0
	6.1
	7.4
	12.2
	21.5
28	16.3
LOG	
Apr.	
19	15.8
27	10.7

day	hour
MONT	
Apr.	
18	22.9
21	3.7
June	
16	17.2
17	17.3
19	17.8
24	5.1
26	20.5
SLC	
Apr.	
18	5.0
SJ	
Apr.	
7	21.1
12	3.0
25	5.6
26	7.2
28	5.9
29	11.8
May	
2	11.8
8	21.3
18	7.6
29	17.9
June	
1	0.0
6	0.7
7	1.3
8	22.9
	23.5
9	0.8
	3.6
	5.6
12	3.6
	3.9
15	18.4
	20.6
	22.1
16	18.0
	19.4
17	3.2
	5.9
	6.6
20	3.6

day	hour
SEA	
May	
1	19.8
SIT	
June	
2	14.1
24	20.8
TUC	
Apr.	
1	14.8
	15.8
	16.2
	18.3
	19.2
	19.5
	21.4
	23.0
2	5.0
	5.5
	11.9
	12.9
3	4.2
	5.2
	9.5
	9.8
	15.2
	17.4
	17.9
	19.6
	19.8
	21.4
4	1.0
	13.0
	20.5
5	16.6
	16.8
	20.9
6	14.8
	19.1
	21.4
	21.9
7	20.9
	22.1
	23.0
8	1.8
9	20.3
10	21.5
11	6.5
	12.7

day	hour
TUC, cont.	
Apr.	
11	20.6
	22.4
12	17.2
	18.8
	19.7
	20.0
	21.4
13	6.7
14	2.8
	17.8
	18.0
	19.4
	20.6
15	4.4
16	1.4
	7.0
	18.4
	21.5
17	7.2
	16.6
	18.1
	18.3
	20.5
	21.6
	21.9
18	14.2
	19.4
	20.0
19	3.1
	3.5
	7.4
	15.7
	16.1
	18.1
20	17.4
	17.9
	20.1
	22.1
	23.5
21	5.2
	6.1
21 and 22*	
23	6.6
	18.1
	20.1
	21.3
	22.4
24	7.3
	16.0

day	hour
TUC, cont.	
Apr.	
24	17.2
	17.8
	21.3
	23.0
25	2.5
	4.1
	7.2
	10.5
26	1.0
	5.0
	8.7
	9.2
	18.5
	23.4
27	7.0
	8.6
	22.1
28	0.6
	1.1
	1.9
	17.6
	21.9
29	7.3
	17.2
	23.2
	23.9
30	5.8
	18.1
	22.9
May	
1	7.6
	8.7
	18.5
	20.4
	21.0
2	22.3
4	8.7
5	2.7
	12.3
7	18.1
	21.4
8	6.3
	18.0
	15.4
	23.5
9	17.1
	19.6
	21.0

Local and Minor Quakes, cont.

day	hour
TUC, cont.	
May	
9	21.3
10	16.2
	18.0
	20.3
	22.0
	21.2
11	6.7
	22.3
12	13.9
13	9.9
	19.5
	21.7
14	4.7
	5.3
	20.7
15	19.5
	19.6
16	6.3
	8.7
	15.8
	19.7
17	8.7
	16.6
	17.3
	18.1
	20.5
18	8.0
	11.0
	11.8
	13.6
19	5.4
	8.5
	19.9
20	2.5
	18.3
21	18.1
22	5.7
	14.0
	21.1
	22.4
	23.9
23	3.6
	14.2
	19.2
24	19.0
25	7.5
	18.0
	20.2
	22.0

day	hour
TUC, cont.	
May	
26	9.0
	17.8
	18.8
27	0.6
28	17.9
	18.3
30	18.7
June	
1	19.7
	21.9
2	4.9
	11.2
	17.0
	18.2
	19.8
3	10.5
	11.9
	12.5
	12.7
	12.8
	13.7
	14.5
	14.7
	15.7
	17.9
4	5.8
	13.3
	20.5
	20.9
	21.3
5	18.0
	20.8
7	18.2
	19.9
	20.7
	22.0
8	3.1
	16.2
	17.7
	23.1
	23.4
9	15.9
	16.1
	17.1
	18.0
	20.9
	22.7
	23.2

day	hour
TUC, cont.	
June	
10	6.9
	21.4
	22.3
12	16.0
	18.6
	20.6
	21.1
13	1.4
	1.5
	18.5
	22.1
14	4.1
	12.6
	19.2
	22.2
15	5.9
	6.0
	19.5
16	21.2
	23.4
18	1.8
	19.7
	20.9
	21.7
	22.1
	22.4
19	1.6
	18.8
	19.3
	19.8
20	6.8
	12.8
	18.2
21	17.3
	18.1
	19.7
	19.8
	20.0
22	18.1
	20.1
	23.0
23	5.2
	5.3
	18.0
	21.3
24	0.0
	1.2
	20.8
	23.1

day	hour
TUC, cont.	
June	
25	1.3
	2.3
	16.1
	20.0
	23.8
26	17.7
	18.2
	21.0
27	0.3
	13.4
	14.0
	14.2
	15.2
	15.6
	16.8
	16.9
	19.4
	19.5
	20.2
	20.4
	20.6
	20.7
	20.8
	21.3
	21.7
	22.1
	23.3
	23.8
	23.9
28	0.8
	1.1
	1.2
	2.6
	3.1
	4.9
	6.4
	10.2
	11.2
	11.6
	16.3
	19.3
	22.6
29	1.0
	5.0
	5.6
	8.7
	9.7
	10.0
	10.7

day	hour
TUC, cont.	
June	
29	12.7
	15.2
	18.1
	20.3
	21.4
	21.7
30	12.0
	19.6

*20 foreshocks and aftershocks of Gulf of California quake.