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BERKELEY—MOUNT HAMILTON—PALO ALTO
SAN FRANCISCO—FERNDALE—FRESNO
MINERAL—ARCATA—RENO—CORVALLIS—SHASTA
MANZANITA LAKE—FALLON—YERINGTON

Earthquakes and the Registration of Earthquakes

From July 1, 1956, to September 30, 1956

BY
DON TOCHER
AND
W. G. MILNE

UNIVERSITY OF CALIFORNIA PRESS
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SEISMOGRAPHIC STATIONS OF THE UNIVERSITY OF CALIFORNIA

Perry Byerly, Director

EARTHQUAKES IN NORTHERN CALIFORNIA, NEVADA, AND OREGON

and

REGISTRATION OF EARTHQUAKES AT: BERKELEY, MOUNT HAMILTON,
PALO ALTO, SAN FRANCISCO, FERNDALE, FRESNO, MINERAL, ARCATA,

RENO, CORVALLIS, SHASTA, MANZANITA LAKE,

FALLON, AND YERINGTON

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EARTHQUAKES IN NORTHERN CALIFORNIA, NEVADA, AND OREGON

The list following this page gives the latitude and longitude of the epicenters for earthquakes which were well enough recorded to permit such a determination.

Map No. for each epicenter corresponds to a number plotted on the map which follows the list of epicenters.

Date and Origin Time are given in Greenwich Civil Time. Subtract eight (8) hours to convert to Pacific Standard Time (P.S.T.) or seven (7) hours to convert to Pacific Daylight Time (P.D.T.). This will change the date for some of the earthquakes. Pacific Daylight Time was legally in effect throughout California from April 28 to September 29, 1956.

M is the Richter Magnitude of the earthquakes as determined from the maximum trace amplitudes recorded for the shock by the standard Wood-Anderson Torsion Seismographs. In routine practice, the nomogram given by Nordquist in the "Bulletin of the Seismological Society of America," 32:164, is used for magnitude determinations.

Q indicates the excellence with which the epicenter has been located. "a" indicates excellent, "b" good, "c" fair, and "d" poor. Under Remarks will be found a short descriptive location of each epicenter, usually with reference to a point named on the map. Information on small foreshocks and aftershocks is sometimes included in the Remarks. When numerous foreshocks or aftershocks accompany a large earthquake, a separate table is generally included following the main list of local shocks, giving origin times, Richter Magnitudes, and, where significant differences in location can be determined, the geographic coordinates. The larger earthquakes of aftershock series are also included in the main list of local shocks.

Information on the intensities of shocks reported felt is also included under Remarks. Reports on felt earthquakes are chiefly those collected by the Seismological Field Survey of the United States Coast and Geodetic Survey, which publishes a more complete summary of such reports in "Abstracts of Earthquake Reports for the Pacific Coast and Western Mountain Region." This is a quarterly publication, and may be obtained from the District Officer, San Francisco District, Coast and Geodetic Survey, 121 Customhouse, San Francisco 26, California, or from the Director, U. S. Coast and Geodetic Survey, Washington 25, D.C.

Intensities are given by Roman numerals when sufficient information on the effects of the shock is available. These intensity numbers assigned by the Coast and Geodetic Survey are based on the Modified Mercalli Intensity Scale of 1931 (Harry O. Wood and Frank Neumann, "Bulletin of the Seismological Society of America," 21:277-283, 1931), the criteria of which follow in an abridged form.

MODIFIED MERCALLI INTENSITY SCALE OF 1931

(Abridged)

- I. Not felt except by a very few under especially favorable circumstances.
- II. Felt only by a few persons at rest, especially on upper floors of buildings. Delicately suspended objects may swing.
- III. Felt quite noticeably indoors, especially on upper floors of buildings, but many people do not recognize it as an earthquake. Standing motor cars may rock slightly. Vibration like passing truck. Duration estimated.
- IV. During the day felt indoors by many, outdoors by few. At night some awakened. Dishes, windows, doors disturbed; walls made creaking sound. Sensation like heavy truck striking building. Standing motor cars rocked noticeably.
- V. Felt by nearly everyone; many awakened. Some dishes, windows, etc., broken; a few instances of cracked plaster; unstable objects overturned. Disturbances of trees, poles, and other tall objects sometimes noticed. Pendulum clocks may stop.
- VI. Felt by all; many frightened and run outdoors. Some heavy furniture moved; a few instances of fallen plaster or damaged chimneys. Damage slight.
- VII. Everybody runs outdoors. Damage negligible in buildings of good design and construction; slight to moderate in well-built ordinary structures; considerable in poorly built or badly designed structures; some chimneys broken. Noticed by persons driving motor cars.
- VIII. Damage slight in specially designed structures; considerable in ordinary substantial buildings with partial collapse; great in poorly built structures. Panel walls thrown out of frame structures. Fall of chimneys, factory stacks, columns, monuments, walls. Heavy furniture overturned. Sand and mud ejected in small amounts. Changes in well water. Disturbed persons driving motor cars.
- IX. Damage considerable in specially designed structures; well designed frame structures thrown out of plumb; great in substantial buildings with partial collapse. Buildings shifted off foundations. Ground cracked conspicuously. Underground pipes broken.
- X. Some well-built wooden structures destroyed; most masonry and frame structures destroyed with foundations; ground badly cracked. Rails bent. Landslides considerable from river banks and steep slopes. Shifted sand and mud. Water splashed (slopped) over banks.
- XI. Few, if any (masonry) structures remain standing. Bridges destroyed. Broad fissures in ground. Underground pipe lines completely out of service. Earth slips and land slips in soft ground. Rails bent greatly.
- XII. Damage total. Waves seen on ground surfaces. Lines of sight and level distorted. Objects thrown upward into the air.



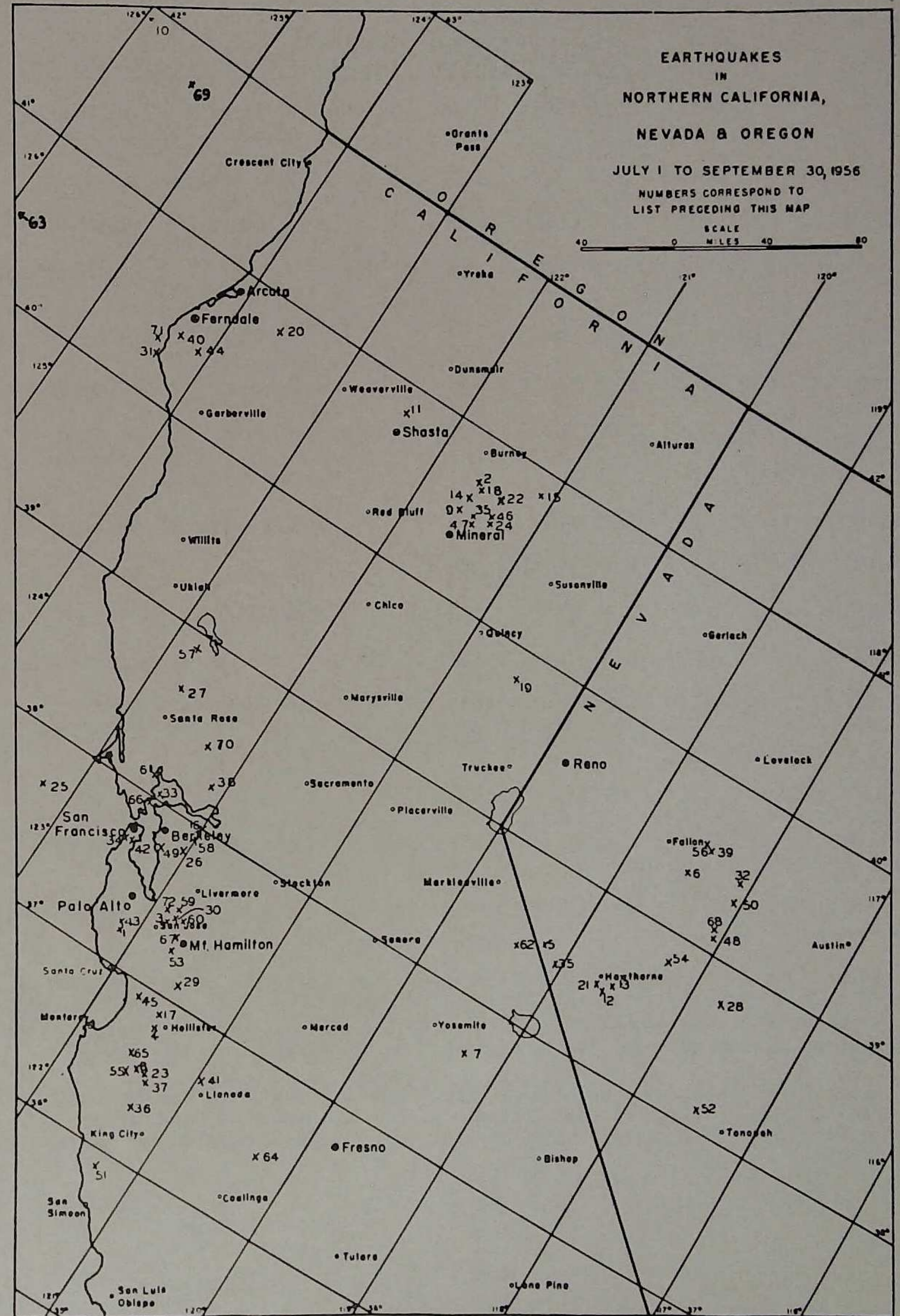
EARTHQUAKES IN NORTHERN CALIFORNIA, NEVADA, AND OREGON

Map No.	Date 1956	Origin Time (G.C.T.)	Latitude North	Longitude West	Q	M	Remarks
1	July 2	01-44-52	37° 12'	122° 07'	c	1.5	South of Palo Alto. Blast?
2	July 3	01-50-39	40.7°	121.6°	d	2.4	South of Burney.
2	July 3	06-05-32	40.7°	121.6°	d	2.4	South of Burney.
3	July 3	17-28-43	37°24'	121° 51'	b	2.3	Northwest of Mt. Hamilton.
4	July 3	22-26-31	36° 48'	121° 29'	c	3.0	Southwest of Hollister.
5	July 4	03-10-27	38.5°	119.2°	d	3.3	West of Hawthorne, Nevada.
6	July 4	04-35-36	39° 20'	118° 30'	c	3.7	Southeast of Fallon, Nevada. Felt at Stillwater.
7	July 4	05-57-28	37.7°	119.3°	d	3.6	Southeast of Yosemite. IV at Balch Powerhouse (P.E.& E.), June Lake, and Yosemite. Also felt at Silver Lake, Mono County.
8	July 4	20-21-30	36° 32'	121° 25'	c	3.1	South of Hollister.
9	July 5	19-58-04	40° 30'	121° 37'	c	2.6	North of Mineral.
10	July 6	02-21-55	42.0°	127.0°	d	4.9	140 miles west of Crescent City.
11	July 6	03-30-22	40.8°	122.4°	d	2.4	Shasta Reservoir.
12	July 6	03-31-35	38° 27'	118° 37'	b	4.9	Near Hawthorne, Nevada. IV at Dead Horse Well (9 mi. SE of Rawhide), Hawthorne, Luning, and Schurz, Nevada. Also felt at Fallon.
13	July 6	07-23-40	38° 30'	118° 34'	c	3.6	Near Hawthorne, Nevada.
-	July 6	08-13-10	42.3°	126.5°	d	3.5	Off the Coast of Oregon.
14	July 6	16-16-46	40.6°	121.6°	d	2.1	North of Mineral.
14	July 6	17-47-16	40.5°	121.5°	d	2.2	North of Mineral.
15	July 7	11-17-27	40.9°	121.1°	d	2.7	East of Burney.
-	July 8	02-01-29	42° 12'	126° 22'	c	3.9	100 miles off the coast of Oregon.
16	July 9	23-03-03	37° 57'	122° 00'	c	2.0	Northeast of Berkeley.
16	July 10	04-34-21	37° 59'	122° 00'	b	2.6	Northeast of Berkeley.
17	July 10	07-18-46	36° 54'	121° 31'	b	2.8	Northwest of Hollister.
18	July 11	19-04-55	40° 41'	121° 32'	b	2.9	North of Mineral.
19	July 12	11-24-15	39.8°	120.5°	d	2.9	Southeast of Quincy.
20	July 13	05-32-52	40.8°	123.6°	d	3.5	East of Arcata. Felt at Korb and Blue Lakes.
21	July 13	06-03-21	38° 28'	118° 41'	c	3.8	Near Hawthorne, Nevada.
22	July 13	23-02-01	40.7°	121.4°	d	3.3	Southeast of Burney. Felt at Hat Creek. Aftershocks at 2308 and 2315.
23	July 14	13-36-28	36° 33'	121° 21'	b	2.7	South of Hollister.

Map No.	Date 1956	Origin Time (G.C.T.)	Latitude North	Longitude West	Q	M	Remarks
24	July 15	04-44-23	40° 33'	121° 21'	b	2.2	Northeast of Mineral.
25	July 15	15-50-04	37° 40'	123° 13'	d	2.1	West of Farallon Islands. Explosion?
26	July 16	05-26-36	37° 49'	122° 01'	a	2.3	Southeast of Berkeley.
27	July 18	23-03-07	38° 39'	122° 44'	a	3.5	North of Santa Rosa. Felt at Santa Rosa and Windsor.
28	July 20	02-07-50	38° 45'	117° 45'	c	3.7	Northwest of Tonopah, Nevada.
29	July 20	14-00-49	37° 06'	121° 30'	b	2.2	Northwest of Hollister.
30	July 20	15-37-15	37° 26'	121° 49'	a	2.0	Northwest of Mt. Hamilton.
31	July 21	01-52-00	40° 16'	124° 22'	b	3.9	Southwest of Ferndale. Felt at Ferndale.
32	July 21	10-09-18	39° 28'	118° 05'	c	3.2	East of Fallon, Nevada.
34	July 22	02-13-23	37° 41'	122° 28'	c	2.1	South of San Francisco.
35	July 22	08-08-24	38° 26'	119° 03'	b	3.4	West of Hawthorne, Nevada.
36	July 23	08-03-48	36.3°	121.3°	d	4.7	Northwest of King City. Felt over an area of 4000 square miles of the coastal sections of west-central California. No damage reported. Maximum intensity V at Big Sur, Chualar Canyon, Gonzales, Greenfield, 7 mi. S. of Hollister, King City, Paso Robles, San Benito, and San Juan Bautista.
37	July 23	08-20-37	36.5°	121.4°	d	3.1	Aftershock.
38	July 25	06-52-16	38° 13'	122° 06'	b	2.9	Northeast of Berkeley. Felt at Napa, Solano, Vallejo, and Fairfield.
37	July 26	00-30-08	36° 35'	121° 26'	b	2.9	South of Hollister.
39	July 26	09-53-17	39° 33'	118° 27'	b	5.1	East of Fallon, Nevada. Felt at Kent Ranch, Stillwater, Nevada.
40	July 26	11-29-59	40° 27'	124° 18'	c	3.2	South of Ferndale.
41	July 28	22-46-38	36° 41'	120° 57'	c	3.0	North of Llanada.
42	July 31	15-59-14	37° 42'	122° 18'	c	1.7	South of San Francisco.
43	Aug. 1	21-47-00	37° 09'	122° 14'	b	2.3	South of Palo Alto.
44	Aug. 2	01-15-16	40° 25'	124° 05'	c	3.0	Southeast of Ferndale.
45	Aug. 2	16-23-57	36° 55'	121° 42'	b	3.1	Northwest of Hollister.
46	Aug. 3	03-39-41	40.6°	121.4°	d	2.9	Northeast of Mineral. IV at Manzanita Lake.
47	Aug. 3	18-21-25	40° 29'	121° 28'	c	3.2	Northeast of Mineral. IV at Mt. Harkness (Lassen Park).
48	Aug. 6	01-02-12	39° 05'	118° 03'	b	3.4	Southeast of Fallon, Nevada.
34	Aug. 6	15-47-48	37° 41'	122° 25'	c	1.8	South of San Francisco.
47	Aug. 7	07-03-29	40.5°	121.5°	d	3.2	Near Lassen Peak. Felt at Manzanita Lake.

Map No.	Date 1956	Origin Time (G.C.T.)	Latitude North	Longitude West	Q	M	Remarks
49	Aug. 9	21-34-12	37° 46'	122° 12'	a	2.2	Southeast of Berkeley.
50	Aug. 10	13-45-21	39° 20'	118° 02'	b	3.8	East of Fallon, Nevada.
33	Aug. 10	19-26-00	38° 02'	122° 27'	b	1.9	Northwest of Berkeley.
51	Aug. 10	23-24-03	35.9°	121.3°	d	3.0	Southwest of King City.
52	Aug. 12	04-04-06	38.1°	117.9°	d	4.0	West of Tonopah, Nevada.
53	Aug. 14	05-32-12	37° 16'	121° 41'	b	2.2	Southwest of Mt. Hamilton.
54	Aug. 19	09-16-56	38.9°	118.3°	d	3.8	Northeast of Hawthorne, Nevada.
55	Aug. 20	05-10-33	36° 29'	121° 29'	b	3.2	South of Hollister.
56	Aug. 21	18-55-42	39° 32'	118° 27'	c	3.5	East of Fallon, Nevada.
57	Aug. 23	15-25-17	38.9°	122.8°	d	2.3	Southeast of Ukiah.
58	Aug. 23	18-43-00	37° 54'	122° 00'	c	2.1	Northeast of Berkeley.
-	Aug. 30	05-24-52	40.7°	126.4°	d	5.3	Off Cape Mendocino.
59	Aug. 30	14-00-24	37° 29'	121° 47'	b	2.7	Northwest of Mt. Hamilton.
-	Sept. 1	19-16-29	40.9°	126.6°	d	3.8	West of Arcata.
60	Sept. 2	13-03-35	37° 27'	121° 46'	a	2.2	Northwest of Mt. Hamilton.
60	Sept. 2	14-17-11	37° 25'	121° 43'	b	3.4	Northwest of Mt. Hamilton.
34	Sept. 4	21-34-42	37° 38'	122° 26'	b	1.8	South of San Francisco.
34	Sept. 4	23-48-01	37° 42'	122° 30'	c	1.7	South of San Francisco.
60	Sept. 5	16-22-29	37° 27'	121° 45'	b	2.2	Northwest of Mt. Hamilton.
61	Sept. 7	23-57-02	38° 07'	122° 26'	c	1.6	Northwest of Berkeley.
62	Sept. 8	15-27-51	38.4°	119.4°	d	2.5	Southeast of Markleeville.
-	Sept. 10	04-30-16	40.5°	127.2°	d	4.5	West of Arcata.
63	Sept. 14	09-22-12	40° 28'	126° 05'	c	4.2	West of Arcata.
44	Sept. 14	10-01-17	40.4°	124.1°	d	3.2	Southeast of Ferndale.
60	Sept. 14	14-28-32	37° 25'	121° 46'	a	2.3	North of Mt. Hamilton.
64	Sept. 15	00-34-37	36.3°	120.3°	d	2.7	North of Coalinga.
65	Sept. 15	12-21-49	36° 36'	121° 31'	b	3.2	Southwest of Hollister.
34	Sept. 17	19-39-02	37° 41'	122° 28'	a	2.0	South of San Francisco.
66	Sept. 17	23-46-16	37° 59'	122° 27'	b	2.4	Northwest of Berkeley.
14	Sept. 18	13-52-06	40° 35'	121° 35'	c	2.9	Near Lassen Peak.
67	Sept. 20	07-41-11	37° 21'	121° 42'	b	2.0	Northwest of Mt. Hamilton.
67	Sept. 20	04-43-00	37° 21'	121° 44'	b	2.0	Northwest of Mt. Hamilton.
34	Sept. 24	16-50-26	37° 42'	122° 25'	c	1.8	South of San Francisco. Blast?
68	Sept. 25	04-53-08	39° 07'	118° 05'	c	3.8	Southeast of Fallon, Nevada.
69	Sept. 26	17-53-26	41° 45'	125° 21'	c	4.1	Northwest of Arcata.
70	Sept. 26	18-47-52	38° 25'	122° 21'	b	2.5	North of Berkeley.

Map No.	Date	Origin Time (G.C.T.)	Latitude North	Longitude West	Q	M	Remarks
71	Sept. 29	16-49-47	40° 20'	124° 27'	c	3.1	Southwest of Ferndale.
72	Sept. 30	04-31-17	37° 27'	121° 53'	b	2.9	Northwest of Mt. Hamilton.



THE REGISTRATION OF EARTHQUAKES

Station	North Latitude	West Longitude	Altitude Meters	Station Symbol	Present Auspices and Date
Berkeley	37° 52.3'	122° 15.6'	81	B, BG*	University of California - 1887
Mt. Hamilton	37° 20.4'	121° 38.6'	1282	MH	Lick Observatory - 1887
Palo Alto	37° 25.1'	122° 10.8'	83	PA	Stanford University - 1927
San Francisco	37° 46.4'	122° 27.2'	100	SF	University of San Francisco - 1931
Ferndale	40° 34.6'	124° 15.7'	15	Fe	City of Ferndale - 1933
Fresno	36° 46.1'	119° 47.8'	88	F	Fresno State College - 1935
Mineral	40° 20.8'	121° 36.1'	1495	M	National Park Service, Lassen Volcanic National Park - 1938
Arcata	40° 52.6'	124° 04.5'	59	A	Holboldt State College - 1948
Reno	39° 32.3'	119° 48.8'	1386	R	University of Nevada - 1948
Corvallis	44° 35.1'	123° 18.2'	123	C	Oregon State College - 1950
Shasta	40° 41.7'	122° 23.3'	312	SH	Bureau of Reclamation - 1942
Manzanita Lake	40° 32.2'	121° 33.7'	1800	ML	National Park Service, Lassen Volcanic National Park - 1956
Fallon	39° 28.4'	118° 46.6'	1207	Fa	City of Fallon - 1956
Yerington	38° 59.3'	119° 09.6'	1335	Y	City of Yerington - 1956

*B denotes readings of short period instruments, BG of long period instruments (12 sec. Galitzin-Wilip).

Earthquakes in the Northern California, Nevada, and Oregon region are included in the following list only if of magnitude 4.5 or greater, or if of special interest. Times are usually not reported for PA, SF, Fe, ML, Fa or Y unless of special interest or in case of defective records at other stations.

Measurement and interpretation of seismograms from all the above listed stations is done at Berkeley; requests for special data or for copies of seismograms should be addressed to Seismographic Station, University of California, Berkeley 4, California.



STATION EQUIPMENT

Type and Component	Station
Short-period Benioff Z	B, MH, PA, M, SH
Short-period Benioff N, E	SH
Short-period Wood-Anderson, N,E	B, MH, PA, SF, M, A
Short-period Sprengnether N,E,Z	F, R
Short-period Sprengnether Z	Y
Short-period Sprengnether E	Fa, Y
Short-period Slichter N,E	C
Short-period Wilson-Lamison Z	C
Long-period Galitzin-Wilip N,E,Z	B
100 kg Bosch-Omori N,E	B
25 kg Bosch-Omori N,E	Fe
80 kg Wiechert Z	B
Loucks-Omori N,E	ML

The three components are indicated by N, E, Z in the "phase" column of the following tabulation of readings. When no letter appears, the phase is read from the vertical component (Z) only. "i" (impetus) preceding a phase designates sudden beginning of the motion; "e" (emersio) designates gradual beginning.

In the column headed "Ground Motion," "c" or "d" indicates initial compression or dilatation of the ground as read from the vertical component instrument. N, S, E, or W indicates that the initial ground motion was north, south, east, or west, respectively.

Maximum amplitude of earth displacement in microns (A) and periods in seconds (T) of the indicated phases are given for the Berkeley station in the column headed "Time (GCT)." Combined horizontal amplitude of N and E components are designated by H.

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
July 3	✓MH	e	00 40 44		USCGS: Columbia-Venezuela border. 0 = 00 31 29
July 3	✓MH	eP	07 18 40		
		e(PP)	21 08		
July 3	✓BG	eP	15 53 55 ✓		USCGS: 13½°N, 91°W, 0 = 15 46 41. Near Coast of Guatemala.
		eSN	59 40 ✓		
		e(G)NE	16 05.6 ✓		
		eR	09.1		
			A T		
		Max H	7½ 14		
		Max Z	4 14		
	✓MH	eP	15 53 48 ✓		
	✓F	eP	33 ✓		
	✓M	eP	54 01 ✓		
	✓R	eP	53 48 ✓		
	✓C	eP	54 30 ✓		
July 4	✓B	iP	00 51 03 ✓		
	✓MH	eP	03 ✓		
		i	04.2	d	
		iPP	54 04 ✓		
	✓F	iP	51 08 ✓		
		e	53 46 ✓		
	✓R	eP	51 17 ✓		
	✓C	ePE	21 ✓		
July 4	✓SH	iP	11 ✓		
	✓B	eP	11 20 58 ✓		
	✓MH	eP	56.3 ✓	d	
		e	21 13 ✓		
	✓R	eP	20 59.4 ✓	d	
	✓SH	eP	21 08 ✓		
	✓FA	ePE	20 58 ✓		
	✓Y	eP	56 ✓	d	
July 4	✓MH	eP	21 43 08.3 ✓		PAS: 31°30'N, 115°30'W, 0 = 21 41. Baja California. Magnitude 4.7.
		e(S)	44 49.4 ✓		
	✓F	e	43 42 ✓		
		eNE	44 23 ✓		
	✓R	e	45 54 ✓		
	✓Y	e	43 40 ✓		
		eE	45 31 ✓		
July 5	✓M	eP	09 20 08 ✓		
July 5	✓MH	iP	13 07 19 ✓		USCGS: 63½°N, 151½°W, 0 = 13 01 05. Alaska.
	✓M	eP	09 ✓		
	✓SH	eP	03 ✓		
July 6	✓B	eP	02 23 19.6 ✓		42.0°N, 127.0°W, 0 = 02 21 55. Magnitude 4.9. 140 miles west of Crescent City, California.
		i	22.4 ✓		
		eSE	24 22.9 ✓		
		eLNE	24.7 ✓		
			A T		
		Max H	50 14		
	✓MH	eP	02 23 29.6 ✓	c	
		i	38.1 ✓	c	

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
July 6		iS	24 40.4		
cont'd		iNE	41.1		
	✓FA	eP	23 26.7		
		e(S)E	24 33.7		
	✓SF	eN	23 31		
	✓Fe	iSE	04		
	✓F	e	55		
	✓M	iP	02.8	c	
		eSN	49.8		
	✓A	ePNE	22 34.0	SE	
		iSNE	23 02.0	NE	
	✓R	iP	26.7		
		eE	24 45		
	✓C	iP	22 51.4		
		iSE	23 29.4		
	✓SH	iP	i 22 53.7	c	
		i	24 08.8		
	✓Fa	ePE	23 38		
		e(S)E	24 17.0		
		eE	25 23		
	✓Y	eP	23 36.4	c	
July 6	✓B	iP	03 32 24.1	d	38°27'N, 118°37'W, 0 = 03 31 35. Magnitude 4.9. Near Hawthorne, Nevada. Felt strongly at Hawthorne. Also felt at Dead Horse Well, Hawthorne, Luning, Schurz, and Fallon, Nevada.
		i	31.1	d	
		eNE	33 02.9		
		eNE	09.4		
	✓MH	iP	32 20.5	d	
		i	28.6		
		iE	49.8		
		iN	55.8		
	✓PA	i(P)	29.5		
		iNE	33 10.5		
	✓SF	ePE	32 26.5		
		eN	33 13		
	✓F	iP	32 10.7	d	
		i	13.8		
		i	26.0		
		i	33 02.4		
	✓M	iP	32 24.1		
		iNE	33 12.3		
	✓R	iP	32 01.2	d	
		i(S)N	21.8		
	✓C	ePEZ	33 23		
		eE	42		
	✓SH	iP	32 33.6		
		i	42.8		
		i	33 31.3		
	✓Fa	iPE	31 54.6		
		iE	56.1		
		iSE	32 08.2		
	✓Y	iPEZ	31 48.5		
		iSE	58.1		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
July 6	✓MH	iP	13 44 16		USCGS: 23°S, 70°W, h = 60, 0 = 13 32 25. Northern Chile. Felt at Antofagasta.
		i	41		
	✓M	eP	25		
	✓R	eP	19		
	✓Y	eP	14		
July 6	✓B	e(T)	18 50 50		
		e	51 19		
	✓MH	e(T)	50 45.3		
		i	51 14.2		
	✓PA	i(T)	50 42.2		
		i	51 10.1		
July 6	✓MH	iP	23 48 07		
July 7	✓MH	e	02 33 35		
		i	55		
July 8	✓B	iP	02 02 50.2		42°12'N, 126°22'W, 0 = 02 01 29. 100 miles off the coast of southern Oregon. Magnitude 3.9.
		e(S)NE	03 51.5		
	✓BG	eQNE	04 00		
		eR	05.3		
		A T			
		Max H	5½ 15		
	✓MH	iP	02 03 01.6	c	
		e	09.5		
	✓Fe	e(S)	04 08.7		
	✓F	eSE	02 34		
		e	03 39		
		eE	05 04		
	✓M	eP	02 31.4		
	✓R	eP	55		
	✓SH	eP	21.2	c	
		e(S)N	03 03.4		
	✓C	ePNE	02 21		
		eSNE	57		
July 8	✓Y	eP	03 05.2		
	✓MH	eP	12 07 25		
	✓M	e(P)	37		
	Y	eP	20		
July 8	✓B	eP	18 17 24		
	✓MH	eP	27		
	✓F	eP	41		
	✓M	eP	27		
	✓Y	eP	39		
July 8	✓B	eP	20 42 27		
	✓MH	eP	28		
	✓F	eP	34		
	✓SH	eP	32		
	Y	eP	41		
July 9	✓B	eP	03 25 24		USCGS: New Hebrides Islands Region. 0 = 20 29 52.
		e	31		
		ePP	29 36		
		eSKSN	36 12	SWC	
	✓BG	ePSNZ	38.7		
		e(PPS)E	39.6		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
July 9 (cont'd)		iSSN	44.3		4) 56.
		eR	59.6		
		A T			
		PZ	3 10		
		PH	1-3/4 10		
		PPZ	20 9		
		PPH	16 10		
		SH	38 10		
		Max H	425 24		
	✓MH	eP	03 25 27.8	d	
		iPP	29 37.1		
		e(PS)	38 59.5		
		e	41 45		
	✓F	eP	25 28		
		e	37		
		ePP	29 44		
		eSKSE	36 16		
	✓M	eP	25 17		
		e	37 40		
	✓R	eP	25 16.4		
		eSKSN	35 57		
	✓C	e(P)	25 10		
		eSKSN	35 38		
	✓SH	eP	25 14		
		ePP	29 21		
		eSKSNE	35 50		
		e	37 39		
	Y	eP	25 18		
July 9	✓MH	eP	06 55 32		
July 9	✓B	eP	10 04 34.5	d	USCGS: 20°N, 73°W, h = 100, 0 = 09 56 13. Near coast of Haiti. Moderate damage at Port de Paix. Magnitude 6½.
	✓BG	iEZ	04 35.5	Ed	
	✓B	ePP	06 24		
	✓BG	eSN	11 18		
		iNE	42		
		eSSN	14 18		
		eN	18.5		
		eREZ	24.9		
		R from E			
		A T			
		PZ	4 5		
		PH	1½ 5		
		PPZ	4 9		
		PPH	2 9		
		SH	3 7		
		Max H	85 20		
		Max Z	30 16		
	✓MH	iP	10 04 29.8	d	
		i	40.3	d	
		iPP	06 19.7		
	✓F	iP	04 17		
		iN	07 10		
		eN	11 12		

15.0.

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
July 9 (cont'd)	M	iP	10 04 33.5	d	8.33c
		e(PP)	06 30		
	A	e(P)N	04 45		
	R	eP	21		
	C	eN	51		
		iNE	57		
	SH	iP	36.5	d	
	Y	ePEZ	17.3		
July 10	B	iP	18 07 08		USCGS: Marshall Islands. 0 = 17 56 03.
	MH	eP	11	c	
	F	iP	19	c	
	M	iP	12		
	R	eP	21		
	SH	iP	09	c	
	Y	eP	24	c	
July 11	B	iP	19 23 09.7		PAS: 35°46'N, 117°56'W, 0 = 19 22 06. Southwest of Brown, California. Magnitude 4.2. Felt at China Lake.
	MH	iP	23 00.4		
		i	01.0		
		e(S)N	42.9		
	PA	eP	06.2		
		eNEZ	07.7		
		iE	24 09.2		
	SF	ePE	23 10.7		
		eE	59		
	VF	iPNEZ	22 38.0	c	
		iSNZ	23 02.3		
	M	eP	33.8		
		e(S)EZ	24 53.3		
	R	eP	23 21.5		
		iE	24 21.9		
	SH	e	23 45.7		
		iE	25 12		
July 12	BG	eE	17 35.7		
		eRNZ	39.6		
		R from S			
		A T			
		Max H	9 20		
July 13	B	iP	13 48 12.2	d	USCGS: 27°S, 70°W, h = 100, 0 = 13 36 03. Northern Chile. Felt at Copiapo, Vallenar, and La Serena.
	MH	iP	44.2	c	
		iP	08.6	d	
	F	iP	40.6	c	
	M	eP	00		
	C	eNE	18.4	d	
	SH	eP	49 14		
July 14	SH	eP	48 21.4	d	
July 14	MH	eP	03 42 03		USCGS: Ryukyu Islands. 0 = 03 29 21. USCGS: Near coast of Guerrero, Mexico. 0 = 03 38 27.
		iP	03 44 17		
	F	e	03 28		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
July 14	MH	ePZ	17 20 38		USCGS: 17°N, 45½°W. 0 = 17 09 30 North Atlantic Ocean.
	M	ePZ	17 20 35		
	SH	ePZ	17 20 37		
July 15	B	ePZ	01 56 53		USCGS: 44°N, 127½°W. 0 = 01 55 09. Off coast of Oregon.
	MH	ePZ	01 57 03		
	F	ePZ	01 57 24		
	M	ePZ	01 56 35		
	C	iPZ	01 56 01		
	SH	ePZ	01 56 22		
July 15	MH	ePZ	11 42 56		
July 15	B	iPZ	13 03 36.8	c	USCGS: 28°N, 139°E, 0 = 12 52 16 h = 500 km. Bonin Islands region.
		pPZ	05 28		
	MH	iPZ	13 03 40.5	c	14 24
		pPZ	05 32		
		PP	06 47		
	F	ePZ	13 03 48.5		
	M	iPZ	13 03 34	c	
	R	ePZ	13 03 42		
	C	iPZ	13 03 17		
	SH	iPZ	13 03 29.7	c	
July 15	MH	ePZ	18 50 39		USCGS: 42°N, 142°E, 0 = 18 39 33 h = 100 km. Off coast of northern Honshu, Japan.
	M	ePZ	18 50 28		
July 15	SH	ePZ	18 50 24		
	MH	ePZ	19 54 46		
	C	ePE	19 54 34		
	SH	ePZ	19 54 30		
July 16	MH	ePZ	00 41 46		PAS: 31.5°N, 118.6°W, 0 = 00 39. Baja California. Magnitude 4.9. Chandeliers swayed at San Diego.
	F	e(P)Z	00 41 41		
	R	e(P)Z	00 42 28		
July 16	B	ePZ	09 33 52		USCGS: 55½°N, 161½°E, 0 = 09 24 38. Near east coast of Kamchatka.
	MH	ePZ	09 33 57		
	M	iPZ	09 33 42		
	C	ePZ	09 34 14		
	SH	iPZ	09 33 37		
July 16	B	eZ	15 26 21		USCGS: 22°N, 95½°E, 0 = 15 07 06. h = 100 km. Central Burma. 30 killed and major property damage at Mandalay and Sagaeng.
	BG	e	28 38		
		eN	35.9		
		eNE	53.8		
		A T			
		Max H	55 19		
		Max Z	25 17		
	MH	eZ	15 26 13		
	F	eZ	15 26 22		
	M	eZ	15 26 00		
	R	eZ	15 26 22		
	C	eE	15 26 14		
	SH	eZ	15 26 05		
July 16	B	ePZ	21 04 44		PAS: Magnitude 7.
	MH	ePZ	21 04 41		
	M	ePZ	21 04 46		
	SH	iPZ	21 04 47		

Date	Sta.	Phase	Time (GCT) h. m. s.	Ground motion	Remarks
1956					
July 16	B	iPZ	21 41 49.3	c	USCGS: 52°N, 178½°W, 0 = 21 34 03 Andreanof Islands, Aleutian Islands
	MH	iPZ	21 41 55.5	c	
	F	iPZ	21 42 07	c	
	M	iPZ	21 41 40.9	c	
	R	iPZ	21 41 55.2	c	
	SH	iPZ	21 41 35.6	c	
July 17	B	iPZ	04 48 25		USCGS: 0 = 04 36 02 Marianas Islands.
	MH	iPZ	04 48 28		
	F	ePZ	04 48 35		
	M	iPZ	04 48 24		
	R	ePZ	04 48 33		
	SH	iPZ	04 48 21		
July 17	BG	ePZ	07 48 07		USCGS: 7°S, 126½°E, 0 = 07 34 07 h = 450 km. Banda Sea. PAS: Magnitude 6-3/4.
	B	iPZ	51 55		
	BG	ePP	52 38		
		eSKSNE	57 52		
		eSKKSE	58 54	W	
		iSN	59 39	S	
		iPSEZ	08 01 16	W	
	B	ePKKPZ	02 54		
	BG	eSSNE	07.6		
		eN	10.3		
		eZ	26.8		
			R from WSW		
			A T		
		SKSH	4½ 10		
		SKKSH	2 10		
		SH	5 10		
		PSZ	11 11		
		PSH	8 12		
		SSH	9 14		
		Max H	11 17		
	MH	ePZ	07 48 08		
		ePPZ	52 39		
	F	ePZ	07 48 11		
	M	ePZ	07 48 02		
	R	ePZ	07 48 09		
	C	ePZ	07 48 10		
	SH	ePZ	07 47 57		
July 17	B	ePZ	17 17 29		USCGS: 0 = 17 05 07 Marianas aftershock.
	MH	iPZ	17 17 32		
	F	ePZ	17 17 36		
	M	ePZ	17 17 29		
	C	ePZ	17 17 22		
	SH	iPZ	17 17 25		
July 18	B	ePZ	00 40 31		USCGS: 5°S, 151°E, 0 = 00 27 27 New Britain.
	BG	eN	49 49		
	MH	ePZ	00 40 33		
	F	iPZ	00 40 41		
	M	ePZ	00 40 35		
	R	ePZ	00 40 41		
	C	ePZ	00 40 29		
	SH	iPZ	00 40 32		

Date	Sta.	Phase	Time (GCT) h. m. s.	Ground motion	Remarks
1956					
July 18	B	ePZ	06 33 40		USCGS: 5°S, 130°E, 0 = 06 19 15. Banda Sea. PAS: Magnitude 7¼ - 7½. 106.9.
		eZ	34 10		
		eZ	37 28		
	BG	ePPEZ	38 31		
		iSKSNE	44 05		
		iPSZ	47 14		
		ePPSE	53.1		
	e	eQN	07 03		
		eREZ	08		
			R from W		
			A T		
		PZ	1¼ 7		
		PPZ	2½ 9		
		PPH	1½ 9		
		SKSH	7 8		
		PSZ	11 10		
		SSH	55 20		
		Max H	90 18		
		Max Z	80 18		
	MH	ePZ	06 33 41		
	F	ePZ	06 33 46		
	M	ePZ	06 33 41		
	R	ePZ	06 33 48		
	C	iZ	06 37 43		
	SH	ePZ	06 33 33		
July 19	B	iPZ	23 34 40	c	USCGS: 9½°N, 84½°W, 0 = 23 26 25 Near coast of Costa Rica. Felt at San Jose. Magnitude 6.
		iZ	36 24		
		i(PP)Z	30		
	BG	eSN	41 31		
		eN	51.4		
			A T		
		PZ	0.6 3		
		SH	2 15		
		Max H	10 20		
		Max Z	5 17		
	MH	iPZ	23 34 35	c	
	F	ePZ	23 34 19		
	M	ePZ	23 34 46		
	R	ePZ	23 34 33		
	C	ePZ	23 34 43		
	SH	ePZ	23 34 45		
July 19	MH	ePZ	23 46 12		USCGS: 9½°N, 85°W, 0 = 23 38 04 Near coast of Costa Rica.
	F	ePZ	23 45 58		
	R	ePZ	23 46 11		
	SH	ePZ	23 46 34		
July 20	B	ePZ	07 50 56		USCGS: 20°S, 70°W, 0 = 07 39 10 Northern Chile. Felt at Antofagasta.
	MH	ePZ	07 50 53		
	M	ePZ	07 51 02		
	R	ePZ	07 50 56		
	SH	ePZ	07 51 06		
July 20	B	ePZ	17 57 08	c	USCGS: 0 = 17 45 59 Marshall Islands.
	MH	iPZ	17 57 11.6		
	F	ePZ	17 57 20		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956					
July 20	M	ePZ	17 57 11		
(cont'd)	R	ePZ	17 57 21		
	SH	iPZ	17 57 10		
July 20	MH	eZ	18 05 25		
July 20	B	ePZ	23 32 00		USCGS: 0 = 23 19 40 Marianas Islands foreshock.
	MH	ePZ	23 32 04		
	M	ePZ	23 32 00		
	SH	ePZ	23 31 57		
July 21	MH	ePZ	08 42 47		
	M	ePZ	08 43 10		
July 21	B	iPZ	15 00 32.7	c	USCGS: 50½°N, 147½°E, 0 = 14 51 06 Sea of Okhotsk.
	MH	iPZ	15 00 37.7	c	
	F	iPZ	15 00 46	c	
	M	iPZ	15 00 24.6	c	
	C	iPZ	15 00 00.5	c	
	SH	iPZ	15 00 20.8		
July 21	SF	iPZ	15 00 31		
	B	ePZ	15 34 05		USCGS: 22½°S, 172½°E, 0 = 15 21 20 Loyalty Islands region. Surface waves mixed with next shock.
	BG	eNZ	52 33		
	MH	ePZ	15 34 03		
	F	ePZ	15 34 08		
	C	ePZ	15 34 21		
	SH	ePZ	15 34 10		
July 21	B	eZ	15 51 16		USCGS: 23°N, 70°E, 0 = 15 32 25 Western India. Many killed and major property damage at Anjar. PAS: Magnitude 6½.
	MH	iZ	15 51 19		
	F	eZ	15 51 18		
	M	eZ	15 51 17		
	C	eZ	15 51 39		
	SH	eZ	15 51 12		
July 21	MH	ePZ	16 01 34		
	M	ePZ	16 01 44		
	SH	ePZ	16 01 45		
July 21	MH	ePZ	21 08 21		USCGS: 15½°N, 147°E, 0 = 20 55 57 Marianas Islands region.
	M	ePZ	21 08 17		
	SH	ePZ	21 08 14		
July 22	B	ePZ	09 36 47		USCGS: 19°S, 69°W. h = 100 km. 0 = 09 25 08. Northern Chile. PAS: Magnitude 6 - 6¼.
		epPZ	09 37 11		
		isPZ	09 37 23		
	BG	eSNE	09 46 23		
		esSNE	09 47 03		
		A	T		
		SH	1	8	
		sSH	1½	8	
	MH	ePZ	09 36 44		
		epPZ	09 37 08		
	F	ePZ	09 36 27		
	M	ePZ	09 36 52		
		eZ	09 37 12		
	C	ePZ	09 37 13		
		eZ	09 37 41		
	SH	ePZ	09 36 56		
		epPZ	09 37 21		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956					
July 22	MH	iPZ	13 18 33		
	M	ePZ	13 18 42		
July 23	B	eP	08 04 19.4	d	36.3°N, 121.3°W, 0 = 08 03 48. Northwest of King City, California. Magnitude 4.7. Felt over an area of approximately 4000 square miles of the coastal areas of West-Central California. No damage reported.
		i	20.3	c	
	BG	iSNE	39		
	MH	iPNZ	07.5	Sd	
		iSE	21.5		
	PA	iPNEZ	12.5		
	SF	eP	19.2		
		e(S)	40.4		
	F	eP	14.5		
		i	16.5	c	
		i(S)N	33.0		
	M	eP	53.1		
		i	05 03.8		
		eN	41.6		
	SH	eP	00.3		
		i	14.0		
		i	06 15.3		
	A	e(P)E	05 23		
July 23	B	ePZ	19 36 27		USCGS: 24°S, 112°W, 0 = 19 25 58 Easter Islands region. PAS: Magnitude 6-3/4.
	BG	eSNE	44 55		
		eQE	52.0		
		eRNZ	55.2		
		R from S			
		A	T		
		PZ	1¼	5	
		SH	2	9	
		Max H	35	20	
	MH	ePZ	19 36 21		
	F	ePZ	19 36 14		
	M	ePZ	19 36 42		
	C	ePZ	19 37 09		
	SH	ePZ	19 36 43		
July 24	F	iPZ	07 16 19		USCGS: 0 = 07 04 35 Tonga Islands.
	M	eZ	07 15 35		
	R	ePZ	07 16 28		
July 24	MH	eZ	08 57 57		
July 24	MH	iPZ	11 26 39		
July 24	B	iPZ	13 11 32.7	c	USCGS: 30½°N, 139°E, 0 = 13 00 18 h = 500 km. South of Honshu, Japan.
		ipPZ	13 12		
	MH	ePZ	13 11 36.9	c	
		epPZ	13 16.0		
	F	ePZ	13 11 45		
	M	eZ	13 12 09		
	R	ePZ	13 11 37		
	C	iPZ	13 11 13		
	SH	iPZ	13 11 24		
		epPZ	13 01		
July 25	MH	eZ	06 36 25		
	M	eZ	06 36 47		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
July 26	M	ePZ	06 24 40		USCGS: 0 = 06 13 29 Near east coast of Hokkaido, Japan.
July 26	MH	ePZ	08 42 22		USCGS: 23°S, 69°W, 0 = 08 30 24 Northern Chile. Felt at Antofagasta.
July 26	M	ePZ	08 42 40		
July 26	SH	ePZ	08 42 43		
July 26	B	iPZ	09 54 10.0		39°33'N, 118°27'W, 0 = 09 53 17 Magnitude 5.1. East of Fallon, Nevada. Felt at Fallon.
July 26	SH	iPZ	09 54 15.4		
July 26	MH	iPZ	09 54 09.8		
July 26	C	ePZ	09 55 00.7		
July 26	M	iPZ	09 53 58.9		
July 26	Fa	iPE	09 53 23.6		
July 26	Y	iPZ	09 53 31.8		
July 26	SF	iPZ	09 54 13.1		
July 26	A	ePE	09 54 31.3		
July 26	PA	iPZ	09 54 12.8		
July 26	F	ePZ	09 54 05.2		
July 26	R	iPZ	09 53 37.4		
July 26	MH	iPZ	14 34 53		
July 26	R	ePZ	14 35 06		
July 26	SH	ePZ	14 35 14		
July 26	B	ePZ	18 00 48		USCGS: 27°S, 178°E, 0 = 17 49 12 h = 650 km. Kermadec Islands region.
July 26	MH	iPZ	18 00 49		
July 26		epPZ	02 58		
July 26	F	ePZ	18 00 30		
July 26	M	ePZ	18 00 56		
July 26	R	ePZ	18 01 00		
July 26	SH	ePZ	18 00 57		
July 26	B	ePZ	18 15 47		
July 26	MH	iPZ	18 15 48		
July 26	F	iPZ	18 15 51		
July 26	M	iPZ	18 15 56		
July 27	B	ePZ	21 49 12		USCGS: 15°N, 147½°E, 0 = 21 36 52 Marianas Islands.
July 27	MH	iPZ	21 49 15		
July 27	F	ePZ	21 49 22		
July 27	M	ePZ	21 49 10		
July 27	R	ePZ	21 49 20		
July 27	SH	ePZ	21 49 09		
July 27	MH	ePZ	22 10 02		
July 27	SH	ePZ	22 09 55		
July 27	BG	eL	24 11.5		
July 27	MH	ePZ	23 36 16		USCGS: 15½°N, 147½°E, 0 = 23 23 54 Marianas Islands.
July 27	M	ePZ	23 36 25		
July 28	MH	ePZ	00 00 07		
July 28	MH	ePZ	02 14 53		USCGS: 6°S, 154°E, 0 = 02 01 58 h = 150 km. New Britain. Felt at Karoole, Namatanai, Rabaul, and Kokopo.
July 28	F	ePZ	02 14 46		
July 28	M	ePZ	02 14 47		
July 28	SH	ePZ	02 15 12		
July 28	MH	ePZ	10 11 46		
July 28	M	ePZ	10 11 55		
July 28	B	iPZ	11 21 24		
July 28	MH	iPZ	11 21 27		
July 28	F	ePZ	11 21 34		USCGS: 15½°N, 147½°E, 0 = 11 09 05 Marianas Islands.

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
July 28	M	ePZ	11 21 23		
July 28 (cont'd)	R	ePZ	11 21 32		
July 28	C	ePZ	11 21 18		
July 28	SH	iPZ	11 21 21		
July 28	MH	iPZ	11 31 01		USCGS: 0° 80½°W, 0 = 11 21 43 Off coast of Ecuador.
July 28	M	ePZ	11 31 07		
July 28	R	ePZ	11 31 03		
July 28	SH	iPZ	11 31 18		
July 29	M	eP'Z	07 33 08		USCGS: 9°S, 85½°E, 0 = 07 13 44 Eastern Indian Ocean.
July 29	R	eP'Z	07 33 20		
July 29	B	iPZ	08 41 44		
July 29	MH	iPZ	08 41 51		
July 29	M	ePZ	08 41 27		
July 29	R	ePZ	08 41 38		
July 29	C	ePE	08 41 02		
July 29	SH	iPZ	08 41 20		
July 29	M	ePZ	12 00 38		
July 29	SH	iPZ	12 00 37		
July 29	B	ePZ	13 36 02		USCGS: 14½°N, 90½°W, 0 = 13 28 56 h = 100 km. Guatemala.
July 29	MH	iPZ	13 35 55		
July 29	F	ePZ	13 35 40		
July 29	M	ePZ	13 36 07		
July 29	R	ePZ	13 35 57		
July 29	SH	ePZ	13 36 13		
July 29	MH	ePZ	13 51 09		USCGS: 0 = 13 44 11. h = 100 km. Guatemala.
July 29	M	ePZ	13 51 21		
July 29	R	ePZ	13 51 10		
July 30	M	e(P)Z	09 28 44		USCGS: 37°N, 26°E, 0 = 09 15 00. Aegean Sea aftershock.
July 30	MH	ePZ	11 36 28		USCGS: 0 = 11 23 54 Ryukyu Islands.
July 30	M	ePZ	11 36 27		
July 31	M	ePZ	11 13 20		
Aug. 1	B	iPZ	06 56 20		USCGS: 28½°S, 71½°W, 0 = 06 44 00 Central Chile.
Aug. 1	MH	iPZ	06 56 17		
Aug. 1	R	ePZ	06 56 21		
Aug. 1	C	ePZ	06 56 48		
Aug. 1	SH	iPZ	06 56 30		
Aug. 1	B	ePZ	07 09 29		USCGS: 28½°S, 71½°W, 0 = 06 57 09 Central Chile.
Aug. 1	MH	iPZ	07 09 25		
Aug. 1	F	ePZ	07 09 09		
Aug. 1	M	ePZ	07 09 34		
Aug. 1	F	ePZ	07 09 28		
Aug. 1	C	iPZ	07 09 58		
Aug. 1	SH	iPZ	07 09 39		
Aug. 1	B	ePZ	17 44 19		USCGS: 14½°S, 173½°W, 0 = 17 32 57 Samoa Islands.
Aug. 1	MH	iPZ	17 44 18		
Aug. 1	F	ePZ	17 44 22		
Aug. 1	M	iPZ	17 44 29		
Aug. 1	SH	iPZ	17 44 27		
Aug. 1	BG	eL	20 50		USCGS: 18½°N, 71°W, 0 = 20 28 26 Dominican Republic.
Aug. 1	MH	ePZ	20 37 11		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Aug. 1	M	ePZ	20 38 07		USCGS: 5°N, 75½°W, 0 = 07 11 20. h = 200 km. Central Columbia. Felt at Chinchina and Pereiro. USCGS: 43°N, 146½°E, 0 = 07 18 11. h = 60 km. Off coast of Hokkaido, Japan.
(cont'd)	SH	iPZ	20 37 15		
Aug. 1	MH	eZ	21 59 27		
	SH	eZ	21 59 29		
Aug. 2	M	ePZ	07 20 31		
Aug. 2	MH	ePZ	07 29 04		
	F	ePZ	07 29 13		
	M	ePZ	07 28 52		
	C	ePZ	07 28 31		
	SH	iPZ	07 28 49		
Aug. 2	SH	ePZ	13 12 04		
Aug. 2	MH	ePZ	20 14 30		
	F	ePZ	20 14 32		
Aug. 3	B	iPZ	07 42 48		
	MH	iPZ	07 42 54		
	M	ePZ	07 42 38		
	SH	iPZ	07 42 34		
Aug. 4	BG	ePZ	10 01 44	c	USCGS: 5½°S, 150½°E, 0 = 09 49 02. h = 250 km. New Britain. Felt at Rabaul. PAS: Magnitude 6¼ - 6½.
		eSNE	12 28	NW	
		ePSN	13 45		
		eSSN	18.7		
		eREZ	30.0		
			R from WSW		
			A T		
		PZ	3/4 7		
		SH	1½ 9		
		Max H	13 20		
		Max Z	12 20		
	MH	ePZ	10 01 41	c	
		eZ	02 05		
	F	iPZ	10 01 51		
	M	ePZ	10 01 46	c	
	R	ePZ	10 01 54		
	C	iPZ	10 01 43		
	SH	ePZ	10 01 44		
Aug. 4	B	iPZ	13 37 55		
	MH	iPZ	13 38 01		
	M	iPZ	13 37 45		
	R	iPZ	13 37 57		
	C	iPZ	13 37 18		
	SH	iPZ	13 37 40		
Aug. 5	MH	ePZ	00 29 35		
	M	ePZ	00 30 07		
	R	ePZ	00 29 00		
Aug. 5	M	ePZ	09 20 09		
Aug. 6	SH	iPZ	06 54 29		
Aug. 6	M	ePZ	07 28 37		
					USCGS: 41°N, 144°E, 0 = 09 09 12. Off east coast of Hokkaido, Japan.

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.g		
Aug. 6	M	ePZ	13 23 22		USCGS: 26½°N, 127°E, 0 = 17 22 45. Ryukyu Islands.
	R	ePZ	13 23 11		
	C	ePZ	13 24 53		
Aug. 6	SH	iPZ	15 17 08		
Aug. 6	B	ePZ	17 35 41		
	MH	ePZ	17 35 45		
	M	eZ	17 35 51		
	C	iPZ	17 35 22		
Aug. 7	SH	iPZ	17 35 33		
	MH	ePZ	04 08 04		
	M	ePZ	04 07 36		
	C	ePZ	04 07 46		
	SH	ePZ	04 07 27		
Aug. 7	SH	ePZ	08 40 52		
Aug. 8	M	ePZ	05 26 02		
Aug. 9	B	eZ	00 09 56.6		PAS: 34°22'N, 119°48'W, 0 = 00 08 49. Off Santa Barbara. Magnitude 4.0. Felt sharply at Santa Barbara.
	MH	ePZ	00 09 39.4		
	M	iPZ	00 10 21.8		
	SF	ePZ	00 09 46.5		
	PA	iPZ	00 09 43.1		
	F	ePZ	00 09 27.3		
	Y	ePZ	00 10 10.4		
Aug. 9	B	ePZ	03 15 30		
	MH	iPZ	03 15 31		
	F	ePZ	03 15 35		
	M	ePZ	03 15 39		
	C	iPZ	03 15 48		
Aug. 9	SH	iPZ	03 15 38		
	B	ePZ	09 48 28		
	M	ePZ	09 48 28		
	F	ePZ	09 48 34		
	M	ePZ	09 48 36		
	R	ePZ	09 48 41		
	C	ePZ	09 48 46		
	SH	ePZ	09 48 34		
Aug. 9	B	ePZ	17 08 47		
	MH	ePZ	17 08 42		
	F	ePZ	17 08 28		
	M	ePZ	17 08 55		
	R	iPZ	17 08 42		
	C	ePZ	17 09 23		
Aug. 9	MH	ePZ	21 15 55		
	M	iPZ	21 15 31		
	SH	ePZ	21 15 48		
Aug. 9	BG	eN	22 09.0		
	MH	ePZ	21 58 23		
	F	ePZ	21 58 28		
	R	ePZ	21 58 47		
	C	ePZ	21 58 33		
					USCGS: 18½°S, 179°E, 0 = 03 04 16. h = 500 km. Fiji Islands.
					USCGS: 20°S, 168°E, 0 = 09 35 38. Loyalty Islands.
					USCGS: 12°N, 86°W, 0 = 17 00 57. Near coast of Nicaragua.
					USCGS: 31½°S, 178°W, 0 = 21 45 42. Kermadec Islands.

Date	Sta.	Phase	Time (GCT)		Ground motion	Remarks
			h. m. s.			
1956						
Aug. 9	B	iPZ	23 11	47.8	c	USCGS: 15°S, 176°W, h = 250 km. 0 = 23 00 42. Samoa Islands region Felt at Apia. PAS: Magnitude 6-3/4.
		epPZ	12	52	c	
	BG	esPZ	13	26		
		iSNE	20	54	SE	
		iZ		58		
		iSPZ	21	37		
	B	eP'P'Z	39	24		
			A	T		
		PZ	5	4		
		pPZ	6	7		
		SH	20	8		
		SZ	10	10		
		P'P'Z	1 1/2	5		
	MH	iPZ	23 11	49.0	c	
		ipPZ	12	54.5		
		eP'P'Z	39	23		
	F	ePZ	23 11	53.5		
		epPZ	13	04		
	M	ePZ	23 11	58.4	c	
		epPZ	13	05		
	R	iPZ	23 12	02.9		
		ipPZ	13	12.9		
	C	iPZ	23 12	08		
		ipPZ	13	17		
		e(sP)Z		57		
	PA	iPZ	23 11	47.4		
	SF	ePZ	23 11	47		
Aug. 10	MH	iPZ	02 25	18		USCGS: 10°N, 84 1/2°W, 0 = 02 17 11 Costa Rica.
	M	ePZ	02 25	30		
Aug. 10	MH	eZ	04 22	48		
	M	ePZ	04 22	46		
	SH	ePZ	04 22	43		
Aug. 10	B	ePZ	07 11	10		USCGS: Fiji Islands region. 0 = 15 24 37.
	MH	ePZ	07 11	09		
	M	ePZ	07 11	13		
Aug. 10	MH	ePZ	15 36	18		
	SH	ePZ	15 36	35		
Aug. 10	MH	ePZ	20 39	31		USCGS: 51 1/2°N, 175 1/2°E, 0 = 23 54 16. h = 100 km. Rat Islands, Aleutian Islands.
Aug. 11	MH	iPZ	24 01	35		
	M	iPZ	24 02	18		
	R	ePZ	24 01	32		
	C	ePZ	24 02	22		
	SH	ePZ	24 02	11		
Aug. 12	B	ePZ	00 37	12		USCGS: 19°S, 176°W, 0 = 00 25 42. h = 200 km. Tonga Islands.
	BG	eSN		46 42		
	MH	iPZ	00 37	12		
	F	ePZ	00 37	16		
	M	ePZ	00 37	22		
	R	iPZ	00 37	21		
	SH	iPZ	00 37	23		
Aug. 12	B	ePZ	17 11	25		USCGS: 34°N, 138°E, 0 = 16 59 33. Near south coast of Honshu, Japan PAS: Magnitude 6 1/2 - 6-3/4.
	BG	eSN	21	07		
		eQN		31.2		

Date	Sta.	Phase	Time (GCT)		Ground motion	Remarks
			h. m. s.			
1956						
Aug. 12		eRNZ		35.5		USCGS: 28 1/2°S, 176°W, 0 = 09 07 38. Kermadec Islands region.
(cont'd)			A	T		
		PZ	1	3 1/2		
		SH	2 1/2	9		
		Max H	15	20		
	MH	ePZ	17 11	28		
	F	ePZ	17 11	34		
	M	ePZ	17 11	22		
	R	ePZ	17 11	39		
	C	iPZ	17 11	04		
	SH	ePZ	17 11	15		
	PA	ePZ	17 11	27		
	SF	ePZ	17 11	28		
Aug. 12	B	ePZ	21 24	58		USCGS: 28 1/2°S, 176°W, 0 = 09 07 38. Kermadec Islands region.
	MH	ePZ	21 25	10		
	F	ePZ	21 25	23		
	M	ePZ	21 24	35		
	R	ePZ	21 25	01		
	C	ePZ	21 23	30		
	SH	ePZ	21 24	25		
Aug. 13	B	ePZ	07 15	51		
	BG	eSNE		20 02		
		eREZ		23.6		
		R from SE	A	T		
		PZ	1/2	4 1/2		
		Max H	2	13		
	MH	iPZ	07 15	44		
	F	ePZ	07 15	29		
	M	ePZ	07 16	09		
	R	ePZ	07 15	58		
	SH	ePZ	07 16	14		
Aug. 13	B	ePZ	09 20	14		USCGS: Prince Edward Islands region, South Indian Ocean. 0 = 02 50 30.
	BG	eSNE		30 37		
		eNE		46.4		
		eRNZ		50.4		
		R from SW	A	T		
		Max H	5	18		
	MH	ePZ	09 20	07		
	F	ePZ	09 20	14		
	M	ePZ	09 20	19		
	R	ePZ	09 20	23		
	SH	ePZ	09 20	20		
Aug. 14	B	eP'Z	03 10	10		USCGS: 0 = 11 47 53 Kermadec Islands.
	MH	eP'Z	03 10	07		
	F	eP'W	03 10	10		
	M	eP'Z	03 10	04		
	R	eP'Z	03 10	02		
	C	eP'Z	03 10	22		
	SH	eP'Z	03 10	03		
Aug. 14	B	ePZ	12 00	43		
	MH	ePZ	12 00	46		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Aug. 14	M	ePZ	12 00 54		USCGS: 19 $\frac{1}{2}$ °S, 179°W, 0 = 23 34 33. h = 550 km. Fiji Islands.
(cont'd)	SH	ePZ	12 00 54	c	
Aug. 14	B	iPZ	23 45 40	c	
	MH	iPZ	23 45 35.8	c	
	M	ePZ	23 45 49.7		USCGS: 0° 101 $\frac{1}{2}$ °E, 0 = 05 20 37. h = 300 km. Sumatra.
	R	ePZ	23 45 53		
Aug. 15	SH	iPZ	23 45 48		
	B	eP'Z	05 39 09		
	BG	eN	48 34		USCGS: $\frac{1}{2}$ °S, 123°E, 0 = 10 51 19. h = 150 km. Northern Celebes.
	MH	iP'Z	05 39 10		
	M	eP'Z	05 39 06		
	C	eP'Z	05 39 02		
Aug. 15	SH	eP'Z	05 39 04		USCGS: 43 $\frac{1}{2}$ °N, 16 $\frac{1}{2}$ °E, 0 = 12 02 54. Near coast of Jugoslavia.
	B	iP'Z	11 09 41	EC	
	BG	eEZ	10 11		
		iSKSNE	16 09		
		iSPEZ	19 26		
		eSSNE	25 32		
		A T			
		SKSH	1 $\frac{1}{4}$ 7		
	MH	ePZ	11 05 42		
		eP'Z	09 43		
	M	ePZ	11 05 49		USCGS: 46°N, 151°E, 0 = 13 12 10. Kurile Islands. PAS: Magnitude 6 $\frac{1}{4}$.
		eP'Z	09 40		
	C	ePZ	11 05 27		
		eP'Z	09 44		
	SH	ePZ	11 05 34		USCGS: 21 $\frac{1}{2}$ °S, 179°W, 0 = 05 17 43. h = 150 km. Fiji Islands region.
		eP'Z	09 41		
Aug. 15	M	ePZ	12 15 51		
	C	ePZ	12 15 43		
	SH	ePZ	12 15 50		USCGS: 20°S, 176°W, 0 = 08 48 57. h = 100 km. Tonga Islands.
Aug. 15	B	ePZ	13 22 33	E	
	BG	eSE	30 58		
		eNZ	31 03		
		eQNE	38.4		USCGS: 7 $\frac{1}{2}$ °N, 80°W, 0 = 05 33 47. Near south coast of Panama. Felt at Balboa Heights.
		A T			
		PZ	1 7		
		PH	$\frac{1}{2}$ 8		
		SH	3 8		
		Max H	9 20		
	MH	ePZ	13 22 36		
	M	ePZ	13 22 00		
	C	ePZ	13 22 04		
	SH	iPZ	13 21 56		
	SF	ePZ	13 22 36		
Aug. 15	SH	ePZ	13 55 37		
Aug. 15	SH	ePZ	15 12 12		
Aug. 15	B	ePZ	15 36 20		
	MH	iPZ	15 36 21		
	SH	iPZ	15 36 24		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Aug. 15	B	ePZ	21 39 18		USCGS: 45 $\frac{1}{2}$ °N, 151°E, 0 = 21 28 50. Kurile Islands aftershock.
	MH	ePZ	21 39 23		
	C	ePZ	21 38 57		
	SH	ePZ	21 39 07		USCGS: 51°N, 176°W, 0 = 08 10 25. Andreanof Islands, Aleutian Islands.
Aug. 16	MH	ePZ	01 20 59		
Aug. 16	MH	ePZ	08 18 38		
	M	ePZ	08 17 53		
	C	ePZ	08 17 39		USCGS: 54°N, 35°W, 0 = 01 23 10. North Atlantic Ocean.
Aug. 17	SH	ePZ	08 18 00		
	MH	iZ	01 36 18		
	M	eZ	01 32 56		USCGS: 54 $\frac{1}{2}$ °N, 36°W, 0 = 01 59 37. North Atlantic aftershock. Coast of Oregon foreshock?
	R	eZ	01 32 52		
Aug. 17	MH	eZ	02 09 32		
Aug. 17	M	ePZ	09 06 21		USCGS: 0 = 09 15 06. About 300 miles off coast of Oregon.
	C	eNE	09 05 42		
Aug. 17	MH	eZ	09 17 32		
	M	ePZ	09 16 58.7		
	C	ePNE	09 16 18		USCGS: 4°S, 151 $\frac{1}{2}$ °E, 0 = 14 15 53. New Britain region. Felt at Rabaul.
Aug. 17	SH	eZ	09 16 43		
	MH	eZ	14 28 12		
	SH	eZ	14 28 56		USCGS: 44°N, 115 $\frac{1}{2}$ °W, 0 = 00 52 16. Idaho.
Aug. 18	MH	ePZ	00 54 55		
	M	ePZ	00 54 10		
	C	eE	00 54 18		
	SH	ePZ	00 54 19		USCGS: 21 $\frac{1}{2}$ °S, 179°W, 0 = 05 17 43. h = 150 km. Fiji Islands region.
Aug. 18	SH	ePZ	01 21 17		
Aug. 18	MH	iPZ	04 01 36		
Aug. 18	M	ePZ	04 48 08		
Aug. 18	M	eZ	19 16 58		USCGS: 7 $\frac{1}{2}$ °N, 80°W, 0 = 05 33 47. Near south coast of Panama. Felt at Balboa Heights.
Aug. 18	MH	ePZ	19 23 04		
	M	ePZ	19 22 41		
	C	ePZ	19 23 49		
	SH	ePZ	19 22 32		USCGS: 21 $\frac{1}{2}$ °S, 179°W, 0 = 05 17 43. h = 150 km. Fiji Islands region.
Aug. 19	B	ePZ	05 29 41		
	MH	ePZ	05 29 41		
	M	ePZ	05 29 51		
	R	ePZ	05 29 58		USCGS: 20°S, 176°W, 0 = 08 48 57. h = 100 km. Tonga Islands.
	C	ePZ	05 30 04		
	SH	iPZ	05 29 53		
Aug. 19	MH	ePZ	09 00 42		
	M	ePZ	09 00 53		USCGS: 7 $\frac{1}{2}$ °N, 80°W, 0 = 05 33 47. Near south coast of Panama. Felt at Balboa Heights.
	R	ePZ	09 00 56		
	SH	iPZ	09 00 52		
Aug. 19	MH	iPZ	20 40 30		
	M	ePZ	20 40 31		USCGS: 7 $\frac{1}{2}$ °N, 80°W, 0 = 05 33 47. Near south coast of Panama. Felt at Balboa Heights.
Aug. 20	MH	iPZ	01 06 12		
Aug. 20	B	ePZ	05 42 33		
	BG	eSN	49 55		
	MH	ePZ	05 42 32		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Aug. 20 (cont'd)	M	ePZ	05 42 43		USCGS: 7½°N, 80°W, 0 = 07 06 20. Panama aftershock. Felt at Balboa Heights.
	R	ePZ	05 42 31		
	C	ePZ	05 43 05		
	SH	ePZ	05 42 46		
Aug. 20	MH	ePZ	07 15 04		
	M	ePZ	07 15 14		
	R	ePZ	07 15 05		
Aug. 20	B	ePZ	07 28 49		
	MH	ePZ	07 28 44		
	M	ePZ	07 28 53		
	R	ePZ	07 28 43		
Aug. 20	MH	iPZ	09 50 50		USCGS: 13½°N, 91½°W, 0 = 09 43 50. h = 100 km. Off coast of Guatemala.
	M	ePZ	09 51 02		
	R	ePZ	09 50 52		
	C	iPZ	09 51 32		
Aug. 21	MH	ePZ	11 35 59		USCGS: 49½°N, 156°E, 0 = 11 26 01. Kurile Islands.
	M	iPZ	11 35 46		
	R	ePZ	11 35 58		
	SH	iPZ	11 35 42		
Aug. 21	MH	ePZ	23 14 22		
	SH	ePZ	23 14 19		
Aug. 22	B	iPZ	11 38 43		USCGS: 0 = 11 26 06 New Hebrides.
	MH	iPZ	11 38 44		
	M	iPZ	11 38 49		
	R	ePZ	11 38 55		
	C	ePZ	11 38 55		
	SH	iPZ	11 38 48		
Aug. 22	MH	ePZ	13 08 35		
	M	ePZ	13 08 09		
	C	ePN	13 08 52		
Aug. 23	M	eZ	10 27 08		
Aug. 23	M	ePZ	13 10 21		USCGS: 54°N, 162½°W, 0 = 13 04 06. Unimak Island region.
	SH	ePZ	13 10 16		
Aug. 23	B	iPZ	13 59 56		USCGS: 15°S, 68°W, 0 = 13 48 30. h = 100 km. Bolivia.
	BG	eSN	14 09 18		
	MH	ePZ	13 59 51		
	M	iPZ	14 00 01		
	R	ePZ	13 59 54		
	C	ePZ	14 00 19		
	SH	ePZ	14 00 03		
Aug. 23	MH	iPZ	15 00 47		
	SH	iPZ	15 00 56		
Aug. 24	B	ePZ	00 12 15		
	MH	ePZ	00 12 19		
	M	ePZ	00 12 04		
	R	ePZ	00 12 18		
	SH	iPZ	00 12 00		
Aug. 24	MH	ePZ	04 01 36		USCGS: 57°N, 163°E, 0 = 00 03 10. Near east coast of Kamchatka.
	SH	ePZ	04 01 08		
Aug. 24	B	ePZ	04 36 03		
	iZ		17		
					USCGS: 45½°N, 152°E, 0 = 03 50 54. Kurile Islands.
					USCGS: 53°N, 172½°E, 0 = 04 27 33. Near Islands, Aleutian Islands.

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Aug. 24 (cont'd)	BG	eSNE	42 50		Magnitude 6½.
		e(SS)N	45.9		
		eQN	48.3		
		eREZ	50.0		
				R from W	
				A T	
		PZ	3½ 7		
		PH	1½ 7		
		SH	11 11		
		Max H	60 20		
		Max Z	45 22		
	MH	ePZ	04 36 07		
	F	eE	04 36 22		
	M	ePZ	04 35 52		
	R	ePZ	04 36 08		
	SH	iPZ	04 35 48		
Aug. 24	MH	ePZ	04 58 33		USCGS: 53½°N, 172½°E, 0 = 04 50 00. Near Islands, Aleutian Islands
	M	ePZ	04 58 17		
	SH	ePZ	04 58 12		
Aug. 24	MH	ePZ	05 09 12		USCGS: 48½°N, 157°E, 0 = 04 59 16. Northern Kurile Islands.
	M	ePZ	05 08 57		
	R	ePZ	05 09 09		
	SH	iPZ	05 08 54		
Aug. 24	B	ePZ	08 40 34		USCGS: 21°S, 169°E, 0 = 08 27 42. Loyalty Islands.
	MH	iPZ	08 40 33		
	M	ePZ	08 40 42		
	R	ePZ	08 40 57		
	SH	iPZ	08 40 41		
Aug. 24	SH	ePZ	08 50 31		USCGS: 54°N, 162°E, 0 = 08 41 30. Kamchatka.
Aug. 24	SH	ePZ	19 21 46		USCGS: 52°N, 179½°W, 0 = 19 14 55. Fox Islands, Aleutian Islands.
Aug. 25	MH	iPZ	15 59 40		PAS: 31°30'N, 115°30'W, 0 = 15 57 43. Baja California. Magnitude 5.0. Felt at San Diego.
	F	ePZ	15 59 27		
	R	ePZ	15 59 58		
	C	ePZ	16 01 18		
	SH	ePZ	15 59 47		
Aug. 25	SH	ePZ	19 41 59		USCGS: 52½°N, 172½°E, 0 = 19 33 45. Near Islands, Aleutian Islands.
Aug. 25	B	iPZ	22 15 36.6	c	USCGS: 12°S, 166½°E, 0 = 22 03 28. h = 200 km. Santa Cruz Islands.
	MH	iPZ	22 15 38.8	c	
	R	ePZ	22 15 48		
	C	ePZ	22 15 46		
	SH	iPZ	22 15 42		
Aug. 27	MH	iPZ	14 45 01		
Aug. 27	MH	iPZ	18 07 22		USCGS: 64°N, 150°W, 0 = 18 01 01. h = 60 km. Central Alaska.
	C	ePZ	18 06 18		
	SH	ePZ	18 06 59		
Aug. 28	B	iPZ	10 00 36.2	c	USCGS: 23½°S, 180°, 0 = 09 49 13. h = 600 km. Tonga Islands region.
	MH	iPZ	10 00 37.4	c	
	SH	iPZ	10 00 45		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Aug. 29	MH	ePZ	03 13 59		USCGS: 54°N, 160°E, 0 = 03 04 32. Near east coast of Kamchatka.
	F	iE	03 14 52		
	R	ePZ	03 13 56		
	SH	ePZ	03 13 40		
Aug. 29	MH	ePZ	15 39 17		
Aug. 29	B	eTZ	16 12 49		
	MH	eTZ	16 12 49		
	PA	eTZ	16 12 42		
Aug. 29	MH	eZ	17 14 39		
Aug. 30	B	ePZ	04 31 07		USCGS: 54°N, 164°W, 0 = 04 24 24. Unimak Island, Aleutian Islands. PAS: Magnitude 6.
	BG	eSE	36 13		
		eN	38.2		
		eREZ	39		
			R from W		
			A T		
		SH	2 1/4 9		
		Max H	21 15		
	MH	ePZ	04 31 01		
	R	ePZ	04 31 03		
	C	ePZ	04 30 24		
		eSZ	35 34		
	SH	iPZ	04 30 45		
Aug. 30	B	ePZ	05 25 59.9		40.7°N, 126.4°W, 0 = 05 24 52. Off coast of northern California. Magnitude 5.3
		iNEZ	26 02.3	NWd	
		iZ	10.7		
		iSNE	50.0		
	BG	iGNE	28.2		
			A T		
		Max H	125 10		
	MH	iPZ	05 26 11.4	c	
		iZ	16.5		
		eSN	27 07.0		
	PA	iPZ	05 26 05.7		
		iSNE	27 00.7		
	SF	ePN	05 26 01.0		
	R	ePZ	05 26 12.2		
		iZ	55.6		
		iZ	27 21.5		
	A	iPNE	05 25 23		
		iSNE	44		
	Fe	iPNE	05 25 22		
		iSNE	44		
	SH	iPZ	05 25 41.5		
Aug. 30	MH	ePZ	05 52 44		
Aug. 30	C	eZ	07 37 40		
	SH	ePZ	07 36 24		
Aug. 30	MH	eP	09 37 36		
Aug. 30	MH	iP	09 48 01		
		e	49 50		
Aug. 30	MH	ePZ	18 21 45		
	R	ePZ	18 21 27		
Aug. 31	MH	ePZ	02 59 30		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Aug. 31	MH	ePZ	09 42 21		
Aug. 31	B	eZ	18 33 51		USCGS: 13°S, 77°W, 0 = 18 22 53. h = 60 km. Near coast of Peru.
	MH	iPZ	18 33 32		
	R	ePZ	18 33 33		
	C	ePZ	18 34 23		
	SH	iPZ	18 34 03		
Aug. 31	B	iPZ	22 15 41		USCGS: 15 1/2°N, 147 1/2°E, 0 = 22 03 23. Marianas Islands foreshock.
	MH	ePZ	22 15 43		
	R	ePZ	22 15 50		
	C	ePZ	22 15 30		
	SH	iPZ	22 15 38		
Aug. 31	B	iPZ	23 18 54.5	d	USCGS: 15 1/2°N, 147 1/2°E, 0 = 23 06 38. Marianas Islands.
	MH	iPZ	23 18 58.1	d	
	R	ePZ	23 19 03		
	SH	iPZ	23 18 52		
Sept. 1	B	ePZ	00 33 53		USCGS: 15 1/2°N, 147 1/2°E, 0 = 00 21 36. Marianas Islands aftershock.
	MH	ePZ	00 33 56		
	R	ePZ	00 34 02		
	SH	iPZ	00 33 50		
Sept. 1	MH	ePZ	11 13 41		USCGS: 15 1/2°N, 147 1/2°E, 0 = 11 01 22. Marianas Islands aftershock.
Sept. 1	MH	ePZ	18 02 21		USCGS: 54°N, 163 1/2°W, 0 = 17 56 36. Unimak Island region, Alaska.
	SH	ePZ	18 02 35		
Sept. 1	MH	ePZ	19 36 05		
	R	ePZ	19 36 01		
	C	iPZ	19 34 59		
Sept. 2	MH	iPZ	02 48 05		PAS: 33°45'N, 116°00'W, 0 = 02 46 37. East of Indio, California. Magnitude 4.2
	F	eE	02 47 57		
	R	ePZ	02 48 39		
Sept. 2	SH	ePZ	09 17 30		
Sept. 2	MH	ePZ	19 43 41		
Sept. 3	MH	ePZ	18 17 53		USCGS: 17 1/2°S, 163 1/2°E, 0 = 18 05 11. New Hebrides Islands.
Sept. 4	MH	ePZ	05 52 34		
	SH	ePZ	05 52 42		
Sept. 4	MH	iPZ	07 38 36		USCGS: Guatemala-El Salvador border. h = 100 km. 0 = 07 31 30.
Sept. 4	MH	ePZ	08 36 42		USCGS: 0 = 08 34 32. Central Idaho.
	R	ePZ	08 36 19		
	C	eE	08 37 38		
	SH	ePZ	08 36 37		
Sept. 4	MH	ePZ	10 53 06		
	C	ePE	10 52 27		
Sept. 4	MH	iPZ	11 07 37		USCGS: 0 = 11 55 31. Fiji Islands. h = 100 km.
	SH	iPZ	12 07 12		
Sept. 4	MH	iPZ	12 07 19		USCGS: Fiji Islands region. 0 = 14 11 57.
	SH	iPZ	12 07 19		
Sept. 4	MH	ePZ	14 23 33		
	SH	iPZ	14 23 45		
Sept. 5	MH	iPZ	13 38 37		
	SH	iPZ	13 38 46		
Sept. 5	MH	iPZ	16 14 07		
	SH	ePZ	16 14 01		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Sept. 5	✓MH	ePZ	18 31 07		
Sept. 6	✓B	iZ	00 08 59		
		eZ	10 19		
	✓MH	eZ	00 09 14		
		eZ	10 06		
	✓SH	eZ	00 10 10		
Sept. 6	✓B	ePZ	08 58 46		USCGS: 0 = 08 47 10. Tonga Island region.
	✓MH	ePZ	08 58 46		
	✓R	ePZ	08 59 01		
	✓SH	iPZ	08 58 55		
Sept. 6	✓MH	ePZ	10 48 37		USCGS: 52°N, 174°E, 0 = 10 40 06. Near Islands, Aleutian Islands.
	✓SH	ePZ	10 48 17		
Sept. 6	✓MH	ePZ	22 57 56		
	✓SH	ePZ	22 57 45		
Sept. 7	✓B	iPZ	04 05 37 ✓		USCGS: 18°S, 176½°W, 0 = 03 54 18. h = 250 km. Fiji Island region.
	✓MH	iPZ	04 05 37 ✓		
	✓R	ePZ	04 05 51 ✓		
	✓SH	iPZ	04 05 47 ✓		
Sept. 8	✓MH	ePZ	07 59 22		
Sept. 8	✓MH	eZ	16 13 08		
	✓SH	ePZ	16 13 13		
Sept. 8	✓B	ePZ	18 18 30 ✓		USCGS: 76½°N, 7°E, 0 = 18 08 10.9 Arctic Ocean, west of Spitsbergen.
	✓MH	ePZ	18 18 32 ✓		
	✓R	ePZ	18 18 16 ✓		
	✓SH	ePZ	18 18 39 ✓		
Sept. 8	✓MH	eZ	22 09 11		
	✓R	eZ	22 11 19		
Sept. 9	✓M	eZ	08 28 09		
	✓SH	ePZ	08 28 20		
Sept. 9	✓B	iPZ	15 31 08.6		USCGS: 0 = 15 19 44. h = 550 km. Fiji Island region.
	✓MH	iPZ	15 31 09.5		
	✓M	ePZ	15 31 19.7		
	✓R	ePZ	15 31 23		
	✓SH	iPZ	15 31 17.5		
Sept. 10	✓B	ePZ	02 19 59		
Sept. 10	✓MH	ePZ	02 19 55		
	✓B	ePZ	04 31 24.8		
		eSZ	32 16.2		
	✓MH	eNE	16.8		40.5°N, 127.2°W, 0 = 04 30 16. Off Cape Mendocino, California. Magnitude 4.5
		ePZ	04 31 34.9		
		iZ	42.5		
	✓PA	iSZ	32 34.5		
		iPZ	04 31 28.8		
	✓SF	iSNE	32 25.2		
		ePN	04 31 26.3		
	✓M	i(S)E	32 10.5		
		ePZ	04 31 20.4		
		iZ	26.0		
		i(S)Z	32 06.7		
	✓A	eSNE	04 31 21		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Sept. 10	✓SH	iPZ	04 31 13.3		
(cont'd)		iZ	20.1		
		iSZ	54.3		
Sept. 10	✓MH	eZ	07 13 43		
	✓M	eZ	07 13 09		
Sept. 10	✓B	ePZ	14 11 09		USCGS: 0 = 14 04 45 11½°N, 103½°W, Pacific Ocean, south of Mexico.
	✓MH	ePZ	14 11 01		
	✓M	ePZ	14 11 18		
	✓SH	ePZ	14 11 26		
Sept. 10	✓B	iPZ	00 04 03		USCGS: 25½°S, 175½°W, 0 = 23 51 44. Tonga Island region.
	✓BG	eSN	14 12		
		eLNE	25.7		
			A T		
		PZ	3/4 5½		
		PH	0.6 5		
		SH	1 10		
	✓MH	iPZ	00 04 02		
		ePPZ	07 49		
	✓M	eP	00 04 12		
	✓SH	eP	00 04 06		
Sept. 11	✓B	iPZ	02 44 29 ✓		USCGS: 16½°S, 178°E, 0 = 02 32 28. Fiji Islands. PAS: Magnitude 6.
	✓BG	eSN	54 29 ✓		
		eN	57 28 ✓		
		eREZ	03 07.8 ✓		
			R from SW		
			A T		
		PZ	1 3		
		Max H	11 21		
	✓MH	iPZ	02 44 31 ✓		
	✓E	ePE	02 44 37 ✓		
	✓M	ePZ	02 44 38 ✓		
	✓C	iPZ	02 44 53 ✓		
	✓SH	iPZ	02 44 36 ✓		
Sept. 11	✓M	ePZ	03 50 05		
Sept. 11	✓M	ePZ	04 27 21		
Sept. 11	✓M	ePZ	05 00 26		
Sept. 11	✓M	ePZ	08 49 06		
	✓SH	ePZ	08 49 05		
Sept. 11	✓B	e(P)Z	10 01 40 ✓		USCGS: 14°N, 91°W, 0 = 09 54 40. h = 100 km. Guatemala. PAS: Magnitude 6¼ - 6½.
	✓BG	ePPZ	03 08		
		eSNE	07 30 ✓		
		eScSNE	12 00 ✓		
		eQNE	13.1 ✓		
		eRZ	16.7		
			A T		
		PZ	1¼ 6		
		PH	3/4 6		
		SH	4½ 9		
		Max H	23 14		
		Max Z	11 14		
	✓MH	ePZ	10 01 31 ✓		
	✓M	eZ	10 01 47 ✓		

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks	
1956			h. m. s.			
Sept. 11 (cont'd)	✓C	eZ	10 02 17 ✓		USCGS: 17°S, 169°E, 0 = 15 44 04. New Hebrides. PAS: Magnitude 6.	
Sept. 11	✓SH	eP	10 01 40 ✓			
Sept. 11	✓B	ePZ	15 56 42			
		iZ	49.8			
		eRZ	16 27			
		R from SW				
		A T				
		PZ	1 5			
		Max H	6 20			
	✓MH	ePZ	15 56 43			
	✓M	ePZ	15 57 09			
	✓C	ePZ	15 57 01			
	✓SH	iPZ	15 56 48			
Sept. 11	✓B	ePZ	20 53 16			
	✓MH	iPZ	20 53 17			
	✓SH	ePZ	20 53 25			
Sept. 11	✓B	ePZ	21 13 50 ✓		USCGS: 49½°N, 155°E, 0 = 21 03 56. Northern Kurile Islands. 4-5 PAS: Magnitude 6¼.	
		eZ	14 07 ✓			
	✓BG	eSNEZ	21 49 ✓			
		eREZ	31.0 ✓			
		R from W				
		A T				
		PZ	3/4 6			
		SH	4½ 10			
		SZ	2¼ 10			
		Max H	10 22			
	✓MH	ePZ	21 13 56 ✓			
	✓C	ePZ	21 13 18 ✓			
	✓SH	iPZ	21 12 39 ✓			
Sept. 12	✓MH	ePZ	10 29 47			
	✓SH	ePZ	10 29 18			
Sept. 12	✓B	iPZ	13 37 44.4	c	USCGS: 23°N, 146°E, 0 = 13 25 45. Marianas Islands.	
	✓MH	ePZ	13 37 48.1	c		
	✓M	ePZ	13 37 41.2	c		
	✓C	ePZ	13 37 29			
	✓SH	iPZ	13 37 39.2			
Sept. 12	✓B	eZ	19 55 38			
	✓MH	ePZ	19 55 14			
	✓M	ePZ	19 55 55			
	✓SH	ePZ	19 56 00			
Sept. 12	✓B	ePZ	20 09 46			USCGS: 49½°N, 156°E, 0 = 19 59 54. Kurile Islands.
	✓MH	iPZ	20 09 53			
	✓M	ePZ	20 09 38			
	✓SH	iPZ	20 09 35			
Sept. 13	✓M	ePZ	16 25 43			
	✓SH	ePZ	16 26 00			
Sept. 13	✓B	eZ	18 56 31		USCGS: 0 = 18 43 49. New Hebrides Islands.	
	✓MH	eZ	18 56 26			
	✓M	eZ	18 56 39			
	✓SH	eZ	18 56 31			
Sept. 14	✓MH	ePZ	02 12 59			

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Sept. 14	✓B	ePZ	06 23 37 ✓		USCGS: 15°N, 94°W, 0 = 06 16 54. Off coast of Chiapas, Mexico.
	✓MH	ePZ	06 23 33 ✓		
	✓M	ePZ	06 23 45 ✓		
	✓SH	ePZ	06 23 52 ✓		
Sept. 14	✓B	ePZ	09 23 12 ✓		
		eSNE	57.6		
	✓BG	iLNE	24.3		
	✓MH	ePZ	09 23 22.5	d	
		iZ	56.9		
	✓PA	ePZ	09 23 17.4	d	
		eSE	24 06.4		
	✓SF	ePE	09 23 13.0		
	✓M	iP	09 23 05.2	c	
		eE	41.9		
	✓A	ePE	09 22 38.9		
		iSNE	56.9		
	✓Fe	ePE	09 22 40		
		e(S)E	55		
	✓SH	iPZ	09 22 58.7		
		iSN	23 30.4		
	✓C	ePZ	09 23 28.6		
		iSN	24 16.8		
Sept. 14	✓B	iPZ	12 18 45		
	✓MH	ePZ	12 18 46		
	✓M	iPZ	12 18 55		
	✓SH	iPZ	12 18 53		
Sept. 14	✓SH	ePZ	16 28 35		
Sept. 14	✓B	eZ	22 17 23		
	✓A	eEN	22 17 22		
	✓C	eZ	22 17 27		
	✓SH	eZ	22 17 22		
Sept. 15	✓MH	ePZ	03 08 33		
Sept. 15	✓B	iPNEZ	07 50 48.9 ✓	SEd	USCGS: 20°S, 69°W, h = 100 km., 0 = 07 39 04 Northern Chile. Felt at Antofagasta. PAS: Magnitude 6-3/4.
		epPZ	51 14.5		
		esPZ	25.3		
		eZ	53 29		
	✓BG	ePPZ	54 09		
		iSNE	08 00 30	NE	
		esSE	01 08		
		eSSNE	06 14		
		A T			
		PZ	2½ 5		
		PH	3/4 4		
		PPZ	1 6		
		SH	1-3/4 7		
		SSH	2¼ 10		
		iPZ	07 50 45.8 ✓		
		ipPZ	51 12.0		
		iZ	16.7		
		e(S)Z	08 00 26 ✓		
		ePE	07 50 36 ✓		
		iPZ	07 50 54.5 ✓	d	



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Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks		
1956			h. m. s.				
Sept. 15 (cont'd)	✓R	iPZ	07 50 47.7		39-7		
		iE	51 38.8				
	✓C	eSE	08 00 27				
		iPZ	07 51 15.6				
	✓SH	ipPZ	42.3				
		isPZ	52.1				
		eSE	08 01 20				
		eE	02 04				
		iPZ	07 50 57.9				
		ipPZ	51 23.9				
Sept. 15	✓B	ePZ	10 45 28		USCGS: 4°S, 151°E, 0 = 10 33 09. h = 400 km. New Britain.		
		MH	10 45 31				
	✓M	ePZ	10 45 31				
		ePZ	10 45 38				
		iPZ	10 45 30				
Sept. 15	✓B	eZ	16 39 07		USCGS: 0 = 16 26 30. New Hebrides Islands.		
		MH	16 39 04				
	✓M	eZ	16 39 09				
Sept. 16	✓B	ePZ	03 10 56				
		MH	03 10 54				
	✓M	ePZ	03 10 57				
		ePZ	03 10 56				
		ePZ	03 10 59				
Sept. 16	✓M	ePZ	08 44 33				
		eZ	08 56 02				
Sept. 16	✓BG	eZ	56 54		USCGS: 34°N, 69½°E, 0 = 08 37 22. Afghanistan. PAS: Magnitude 6¼ - 6½.		
		eN	09 02 29				
	✓MH	eZ	08 55 53				
		ePZ	08 51 38				
	✓M	eZ	54 56				
		eE	08 55 54				
	Sept. 16	✓C	eZ	08 53 49			
			ePZ	08 51 40			
	Sept. 16	✓M	eZ	09 33 10			USCGS: 19°S, 174½°W, h = 200 km. 0 = 13 26 30. Tonga Islands.
			ePZ	13 38 01			
✓MH		epPZ	54				
		iPZ	13 38 01.8				
✓F		iZ	13.8				
		ipPZ	55.5				
✓M		epPZ	13 38 59				
		ePZ	13 38 10.4				
✓R		epPZ	39 03.7				
		ePZ	13 38 15				
✓C	epPZ	39 08					
	epPZ	13 39 15					
Sept. 16	✓SH	ePZ	13 38 10				
		epPZ	39 06				
	✓B	ePZ	20 35 42				
		iPZ	20 35 47				
✓M	ePZ	20 35 16					
				USCGS: 0 = 20 25 44. Near south coast of Kamchatka.			

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Sept. 16 (cont'd)	✓R	ePZ	20 35 45		USCGS: 5½°N, 95°E, 0 = 20 19 07. h = 150 km. Near north coast of Sumatra.
		eZ	20 35 06		
Sept. 16	✓SH	iPZ	20 35 13		
		ePZ	23 44 15		
Sept. 17	✓B	iPZ	23 44 19		
		ePZ	07 44 12		
Sept. 17	✓M	ePZ	08 39 48		
		eP'Z	20 38 46		
Sept. 17	✓SH	ePZ	21 31 05		
		iPZ	05 24 48		
Sept. 18	✓MH	ePZ	05 24 57		USCGS: 0 = 03 02 50. Near coast of northern Chile. Felt at Antofagasta.
		ePZ	05 24 54		
Sept. 18	✓SH	ePZ	15 10 55		
		eZ	03 14 53		
Sept. 20	✓M	eZ	03 14 39		USCGS: 57½°N, 152°W, 0 = 13 55 00. Kodiak Island, Alaska. USCGS: 51°N, 159°E, 0 = 20 06 09.8 Near south coast of Kamchatka.
		eZ	03 15 08		
Sept. 20	✓C	eZ	03 14 43		
		ePZ	14 00 34		
Sept. 20	✓M	ePZ	14 00 29		
		ePZ	20 15 50		
Sept. 20	✓SH	ePZ	20 15 56		
		ePZ	20 15 44		
Sept. 20	✓R	ePZ	20 15 28		
		ePZ	22 01 33		
Sept. 20	✓B	ePZ	03 44		USCGS: 51½°N, 159½°E, 0 = 21 52 01. Near south coast of Kamchatka. PAS: Magnitude 6¼.
		ePPZ	08 13		
Sept. 20	✓BG	eSE	18.4		
		iQN			
Sept. 20	✓M	PZ	1 4		
		SH	7 20		
Sept. 21	✓MH	ePZ	22 01 37		USCGS: 20°N, 100½°W, 0 = 09 16 20. Central Mexico.
		ePZ	22 01 47		
Sept. 21	✓F	ePZ	22 01 21		
		ePZ	22 01 34		
Sept. 21	✓M	ePZ	22 01 06		
		ePZ	22 01 17		
Sept. 21	✓R	ePZ	22 01 31		
		eNE	09 29 31		
Sept. 21	✓BG	e(R)Z	32.2		
Sept. 21	✓M	Max H	8 13		
		e(P)Z	09 21 49		
Sept. 21	✓F	ePZ	09 21 23		
		ePZ	09 22 08		
Sept. 21	✓M	ePZ	09 21 53		
		ePZ	19 23 33		
Sept. 21	✓R	ePZ	19 23 26		USCGS: 26½°S, 63°W, 0 = 19 11 59. h = 600 km. Argentina.
		ePZ	19 23 42		
Sept. 21	✓M	ePZ	19 23 36		
		iPZ	19 23 59		
Sept. 21	✓C	iPZ	19 23 44		
		iPZ			

Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Sept. 21	M	ePZ	23 05 56		USCGS: 46°N, 151½°E, 0 = 22 55 46. Kurile Islands.
Sept. 21	B	ePZ	07 04 33		USCGS: 22½°S, 179½°W, 0 = 06 53 20. h = 650 km. Fiji Islands.
	MH	ePZ	07 04 26		
	M	iPZ	07 04 43		
	R	ePZ	07 04 46		
	SH	ePZ	07 04 42		
Sept. 22	SH	ePZ	08 51 36		
Sept. 22	C	ePZ	11 36 09		
	SH	ePZ	11 36 06		
Sept. 22	SH	ePZ	18 28 32	✓	USCGS: 45½°N, 151°E, 0 = 18 18 19. Kurile Islands.
Sept. 23	MH	ePZ	08 53 57		PAS: 31°35'N, 115°40'W, 0 = 08 51 55. Baja California. Magnitude 4.9 Felt at San Diego.
	F	e(P)Z	08 53 38		
	M	e(P)Z	08 54 38		
	R	e(P)Z	08 54 16		
Sept. 23	MH	ePZ	11 26 05.1		PAS: 33°32'N, 116°33'W, 0 = 11 24 42. Southern California. Magnitude 4.3 Felt at Palm Springs.
	M	ePZ	11 26 46.1		
	R	eZ	11 26 48		
	F	ePZ	11 25 53.7		
Sept. 24	B	ePZ	06 16 02	✓	USCGS: 15½°S, 173½°W, 0 = 06 04 37. Samoa Islands.
	MH	ePZ	06 16 03	✓	PAS: Magnitude 6. 40
	F	ePZ	06 16 07	✓	
	M	ePZ	06 16 13	✓	
	R	ePZ	06 16 19	✓	
	C	ePZ	06 16 25	✓	
	SH	ePZ	06 16 13	✓	
Sept. 24	B	ePZ	07 14 48		USCGS: 22°S, 175°E, 0 = 07 02 13. Fiji Islands region.
	BG	eN	07 37 40		
	MH	ePZ	07 14 49		
	F	ePZ	07 14 53		
	M	ePZ	07 14 56		
	R	ePZ	07 15 01		
	C	ePZ	07 15 12		
	SH	ePZ	07 14 56		
Sept. 24	MH	eZ	10 39 12	✓	USCGS: 34°N, 69½°E, 0 = 10 20 38. Pakistan-Afghanistan border 37 aftershock.
	M	eZ	10 38 02	✓	USCGS: 0 = 11 23 54. Near coast of Central Chile. Felt at Santiago.
Sept. 24	MH	iPZ	11 36 25		0 = 15 38 08 Costa Rica-Panama foreshock.
	M	ePZ	11 36 34		
	R	ePZ	11 36 29		
	SH	ePZ	11 36 37		
Sept. 24	MH	ePZ	15 46 26		
Sept. 25	MH	ePZ	01 15 12		
Sept. 25	MH	ePZ	02 13 41		
Sept. 25	B	ePZ	18 35 53		USCGS: 8°N, 83°W, 0 = 18 27 25. Near Costa Rica-Panama border.
	MH	iPZ	18 35 49		
	F	ePZ	18 35 34		
	SH	ePZ	18 35 33		



Date	Sta.	Phase	Time (GCT)	Ground motion	Remarks
1956			h. m. s.		
Sept. 25	MH	ePZ	21 39 41		USCGS: 8°N, 83°W, 0 = 21 31 15. Costa Rica aftershock.
	F	ePZ	21 39 26		
Sept. 26	B	ePZ	05 15 51	✓	USCGS: 30½°N, 142°E, 0 = 05 04 01.5 Off south coast of Honshu.
	MH	ePZ	05 15 55	✓	
	M	ePZ	05 15 47	✓	
	SH	ePZ	05 15 44	✓	
Sept. 26	B	iPZ	13 54 55.2		USCGS: 52°N, 176°E, 0 = 13 46 52. h = 100 km. Rat Islands, Aleutian Islands.
		epPZ	55 23.7		
		iPcPZ	56 38.3		
	MH	iPZ	13 55 00.9	d	
		iPcPZ	56 41.4		
	M	iPZ	13 54 46.3	d	
		iPcPZ	56 33.8		
	C	eP	13 54 18.1		
		e(pP)Z	50.0		
		ePcPZ	56 23		
	SH	iPZ	13 54 42		
		iPcPZ	56 32		
Sept. 27	MH	e(P)Z	14 12 16		
	SH	ePZ	14 12 29		
Sept. 28	M	ePZ	05 00 50		
Sept. 28	MH	ePZ	15 13 55		USCGS: 77½°N, 7°E, 0 = 15 01 36. Off west coast of Spitzbergen.
Sept. 28	MH	ePZ	20 43 56		
	R	ePZ	20 43 53		
Sept. 29	MH	eZ	09 22 46	✓	USCGS: 7½°N, 94½°E, 0 = 09 03 37. Nicobar Islands. 39
	M	eZ	09 22 34	✓	
	SH	eZ	09 22 36	✓	
Sept. 29	B	e(T)Z	20 44 02.3		
		iZ	17.1		
	MH	i(T)Z	20 43 58.8		
		iZ	44 14.0		
	PA	i(T)Z	20 43 56.8		
Sept. 29	B	ePZ	21 32 21.3	d	USCGS: 37½°N, 141°E, 0 = 21 20 52. Central Honshu, Japan. 55
	BG	eSE	41 48	✓	
		eN	52.2	✓	
		A	1¼		
		T	4		
		PZ	21 32 26.0	d	
	MH	iPZ	21 32 33	✓	
	F	ePZ	21 32 14.4	✓	
	M	ePZ	21 32 24.7	✓	
	R	ePZ	21 31 51.0	✓	
	C	ePZ	21 32 11.7	✓	
	SH	iPZ	21 32 11.7	✓	
Sept. 29	SH	eZ	22 37 01		USCGS: 3°N, 128°E, 0 = 22 22 48. h = 60 km. Off north coast of Halmahera.
		eZ	41 10		
Sept. 29	B	iPZ	23 32 27.4	✓	USCGS: 35½°N, 140°E, h = 60 km., Central Honshu, Japan. One killed, several injured, and minor property damage in Tokyo.
		iZ	40.3	✓	PAS: Magnitude 6-3/4 - 7.
	BG	eSE	41 58	✓	
		eE	42 42	✓	
		eN	52.3	✓	

Date	Sta.	Phase	Time (GCT)		Ground motion	Remarks
1956			h.	m.	s.	
Sept. 29 (cont'd)		PZ	1 $\frac{1}{2}$		4	
		SH	1 $\frac{1}{2}$		8	
	✓MH	iPZ	23	32	32.4	c ✓
		iZ			57.7	
	✓F	ePZ	23	32	40.2	c ✓
	✓M	ePZ	23	32	21.5	c ✓
		iZ			34.6	
	✓R	ePZ	23	32	31.8	c ✓
	✓C	iPZ	23	31	59.0	
		iZ		32	19.0	
Sept. 30		eSE		41	07	
	✓SH	iPZ	23	32	18.3	
	✓B	ePZ	14	54	11	
		e(pP)Z			43	
		eZ		55	00	
	✓MH	iPZ	14	54	13.8	c
		i(pP)Z			48.3	
	✓F	ePZ	14	54	20	
	✓M	iPZ	14	54	09.7	c
		e(pP)Z			42.2	
	✓R	iPZ	14	54	18.8	c
	✓C	iPZ	14	53	55	
	✓SH	iPZ	14	54	09	
	i(pP)Z			44		
	eZ		57	24		

USCGS: 14°N, 144°E, h = 100 km.,
 O = 14 41 44. Marianas Islands.
 Felt on Guam.