

HARVARD UNIVERSITY
SEISMOGRAPH STATION



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August 12, 1956 through June ~~30, 1957~~

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Committee on Experimental Geology and Geophysics and of
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STATION CONSTANTS

Latitude: 42° 30' 26" North
 Longitude: 71° 33' 45" West
 Altitude: 180 meters

INSTRUMENTS

Vertical, North-South, and East-West Benioff short-period variable reluctance seismographs with mass of 112.7 kg., galvanometric registration, and magnetic damping.

Normal Operating Constants

Instru- ment	T sec.	T _g sec.	Critical Damping	Drum Speed	Displacement for accel- eration of 10 ⁻⁸ gravity
ZSP	1.0	0.2	.6	60 mm/min.	15 mm
NSP	1.0	0.2	.6	60 mm/min.	15 mm
ESP	1.0	0.2	.6	60 mm/min.	15 mm

MAIL ADDRESS

Harvard Seismograph Station
 c/o Prof. L. Don Leet
 Harvard, Massachusetts, U. S. A.

September 1, 1955 through August 11, 1956, no readings

Date	Phase	Time (GCT) λ	Remarks
1956 Aug. 12	eP ipP	00-05-18 45	CGS: H = 23-54-16 51.5 N, 175.5 E (Rat Islands, Aleutian Islands) h = 100 km.ca.
Aug. 14	e	03-08-49	CGS: H = 02-50-30 (Prince Edward Islands region, South Indian Ocean)
Aug. 15	eP' iSKP	05-39-30 42-33	CGS: H = 05-20-37 0, 101.5 E (Sumatra) h = 300 km.ca.
Aug. 15	iP' ipP' iPKS isPKS	11-09-36 (c) 10-01.5 13-08 52.5	CGS: H = 10-51-19 ^a .5 S, 123 E (Northern Celebes) h = 150 km.ca
Aug. 15	iP	12-13-12 (d)	CGS: H = 12-02-54 43.5 N, 16.5 E (Near coast of Yugoslavia)
Aug. 17	eP	06-02-35	CGS: H = 05-53-25 7 S, 80 W (Near coast of Peru)
Aug. 17	eP	10-51-25	
Aug. 22	iP'	11-45-00 (c)	CGS = 11-26-06 (New Hebrides)
Aug. 23	iP	13-58-16 (d)	CGS: H = 13-48-30 15 S, 68 W (Bolivia) Mag. 6 1/4 (Pas) h = 100 km.ca.
Aug. 24	eP	19-25-21	CGS: H = 19-14-55 52 N, 170.5 W (Fox Islands, Aleutian Islands)
Aug. 25	eP' e	00-42-03.5 17.5	CGS: H = 00-22-44 2 N, 129 E (Halmahera Island region)

^aH_{calc.} = 10-50-26

Date	Phase	Time (GCT)	Remarks
1956 Aug. 25	eP'	22-22-03	CGS: H = 22-03-28 12 S, 166.5 E (Santa Cruz Islands) h = 200 km.ca.
Aug. 29	eP	03-16-07	CGS: H = 03-04-32 54 N, 160 E (Near east coast of Kamchatka)
Aug. 31	eP ipP	18-32-35 51	CGS: H = 18-22-53 13 S, 77 W (Near coast of Peru) h = 60 km.ca.
Sept. 4	iP i	07-37-59 (c) 38-29	CGS: H = 07-31-30 (Guatemala-El Salvador border) h = 100 km.ca.
Sept. 6	eP	11-57-56	CGS: H = 11-46-35 (Dodecanese Islands region)
Sept. 7	eP e iS	13-39-20 41-21 43	CGS: H = 13-35-57 (Eastern Tenn.)
Sept. 7	eP	13-55-17	
Sept. 11	eP	10-01-11	CGS: H = 09-54-40 14 N, 91 W (Guatemala) Mag. 6 1/4 (Pas) h = 100 km.ca.
Sept. 11	iP	21-16-07 (d)	CGS: H = 21-03-56 49.5 N, 155 E (Northern Kurile Islands) Mag. 6 1/4 (Pas)
Sept. 20	iP	22-03-49.5 (d)	CGS: H = 21-52-01 51.5 N, 159.5 E (Near south coast of Kamchatka) Mag. 6 1/4 (Pas)

Date	Phase	Time (GCT)	Remarks
1956 Sept. 21	iP	19-22-13 (c)	CGS: H = 19-11-59 26.5 S, 63 W (Santiago del Estero Province, Argentina) h = 600 km.ca.
Sept. 21	iP	23-08-16 (c)	CGS: H = 22-55-46 46 N, 151.5 E (Kurile Islands)
Nov. 13	eP'	03-39-18	BCIS: H = 03-19.8 (Java)
Nov. 14	eP	22-05-42	BCIS: H = 21-55-31 20.75 S, 69.5 W (North of Chile)
Nov. 16	iP	12-00-42	CGS: H = 11-53-54 8.5 N, 71 W (Northwestern Venezuela)
Nov. 16	iP	22-12-15 (d)	CGS: H = 22-02-19 18 S, 69 W (Peru-Bolivia-Chile border region) h = 150 km.ca.
Nov. 17	iP iL	20-35-07.5 (c) 48-39	CGS: H = 20-27-15 54.5 N, 135 W (Queen Charlotte Islands region) Mag. 6 1/2 (Pas)
Nov. 20	iP' i	12-18-02 (d) 21-24	CGS: H = 11-58-55 .5 S, 123.5 E (Near east coast of Celebes) h = 200 km.ca.
Nov. 26	i	04-20-41	CGS: H = 04-12-42 37 N, 90.5 W (Missouri)
Nov. 26	iP ipP	19-00-47.5 (d) 01-03.5	CGS: H = 18-49-56 26 S, 70.5 W (Northern Chile) h = 100 km.ca.

Date	Phase	Time (GCT)	Remarks
1956 Nov. 28	iP	19-39-22 (d)	CGS: H = 19-27-11 49.5 N, 155 E (Northern Kurile Islands) Mag. 7
Nov. 30	iP	19-41-55 (c)	CGS: H = 19-30-34 31.5 S, 70 W (San Juan Province, Argentina) h = 150 km.ca.
Dec. 4	iP	08-56-34	CGS: H = 08-44-28 50 N, 156 E (Kurile Islands)
Dec. 4	eP	10-21-13	CGS: H = 10-07-54 45.5 S, 106 W (South Pacific Ocean) Mag. 6 3/4 (Pas)
Dec. 4	iP	23-07-58	CGS: H = 23-01-35 15 N, 92 W (Guatemala) Mag. 6 (Pas) h = 150 km.ca.
Dec. 18	iP	02-42-03 (d)	CGS: H = 02-31-00 25.5 S, 68.5 W (Chile-Argentina border) Mag. 7 1/4 (Pas)
Dec. 21	eP iL	09-06-34 19-50	CGS: H = 08-58-53 51 N, 131 W (Queen Charlotte Islands) Mag. 6 3/4 (Pas)
Dec. 25	eP	09-39-54	CGS: H = 09-33-37 48.5 N, 28 W (North Atlantic Ocean) Mag. 6 1/2 (Pas)
Dec. 27	eP i	00-32-34 43-09	CGS: H = 00-14-15 24 S, 177 W (Tonga Islands region) Mag. 7 1/4 (Pas) h = 300 km.ca.
Dec. 28	eP i	19-27-40 28-50	CGS: H = 19-21-30 21 N, 109 W (Off south coast of Baja, California)