

1935

ITHACA

201

Seismograph Station - Department of Geology
Cornell University, Ithaca, N. Y., U.S.A.

Instruments: 2 Bosch-Omori 25 kg. pendulums, N-S, and E-W.
Smoked paper recording, magnification about 10.
 T_0 : 30 seconds until July 1, then 14 secs. Air damping ϵ 3:1.

Time: checked daily by radio time signals from WOR, Newark, N.J.
Accuracy at all times probably \pm 2 seconds.

Amplitude: half trace amplitude, in mm.

Tables: Macelwane 1933 tables for normal focal depth; and
Brunner 1935 Focal Depth-Time-Distance chart for deep focus.

January 1 to May 31, 1935

Date 1935	Phase	G C T h m s	Amp. mm.	Remarks
January 2	Seismic activity from about 23h-0m to 23h-10m. Phases masked by microseisms.			
23	eP NE ePR ₁ N iS NE	7-34.1 36.4 42-16	.75	St. Louis gives H: 7-24-18; 52.4°N., 166.0°W. Δ (meas.) 57°. Δ (S-P) 58.3°.
Febru- ary 22	iP E iS E iPS N F	17-17-00 26-02 26.5 19-20 ca.		St. Louis gives H: 17-05-59 50.5°N., 176.6°E. Δ (meas) 67.7° Δ (S-P) 67.7°
25	i NE	3-12-22		Reported from the Island of Crete
April 18	e NE F NE	22-30.2 35 ca	1	Marked disturbance lasted about 2 min., with about 4 sec period.
19	iP NE iS NE	15-34-53 43-55		St. Louis gives H: 15-23-32; 32° N., 15°E. Δ (meas) 69.5°. Δ (S-P) 67.7°
20	Weak seismic activity from about 23-05 to 23-26.			
May 24	Weak seismic activity from about 6-05 to 7-25.			
30	ePR ₁ NE e N e NE e E F	21-51.5 57.4 57.8 22- 0.2 24 ca		Destructive at Quetta, India. Δ (meas) 100.5°.

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June 1 to September 22, 1935



Date 1935	Phase	G h	C m	T s	Amp. mm.	Remarks
June 24	iPR ₁ E isSKS E iS NE isS N eSR ₁ NE F	23	43	10		St. Louis gives H: 23-23-12; 15.3°S., 167.5°E.; depth 140km. Δ (meas) 119.5°. Phases identified by Brunner depth chart.
25	e NE e NE	12	57			
28	e E	2	22.4			
29	eP NE iPR ₁ NE ePR ₂ NE F	6	55.5			St. Louis gives H: 6-48-53; 18.2° N., 103.3°W. Δ (meas) 32.5° Δ (PR ₁ -H) 33.0°
July 6	i E e E	3	52-52			

Instruments out of operation July 9, 22h-11m to July 14, 16h-38m.

17	e N	11	11.4			
29	ePR ₁ E eSKS E iS N e E e(?)SP N ePS NE i E e N eSR ₁ (?)N esSR ₁ N	7	57.5		.5	Phase identifications by the Brunner depth chart and the Wadati deep focus curves. St. Louis gives H: 7-38-47; 22.9°S., 178.2° W., depth 490 km Δ (meas) 114°.
August 1	e N eS NE e E M NE F NE	16	16.0			St. Louis gives H: 16-08-17; 11.1° N., 86.1° W. Δ (meas) 32°.
3	i N F	1	32-50			
4	e NE F	10	01 ca			
7	e N F	9	16.3			St. Louis gives H: 9-02-18; 1°N., 77.5°W., depth 95 km.

Out of operation Aug. 16, 22h 01m, to Sept. 20, 17h 45m.

ITHACA (Continued)

September 23 to October 31, 1935

Date 1935	Phase	G C T h m s	Amp. mm.	Remarks
Sept. 23	e N e NE F	9-46 ca 10-16 11 ca		St. Louis gives H: 9-18-30; 0.5° N., 141.5°E.
24	eP NE eS N eS E eSR ₁ NE e NE M F	22-19.5 25.2 25.3 27.8 29.5 32 23-10		St. Louis gives H: 22-12-21; 129°W., 50°N. Δ (meas) 36.5°. Δ (S-P) 36.2°.
October 10	e NE F	22-32 40		
11	eL NE F	23-15 40		
12	e NE F	8-04 8-10		
12	e NE eL NE F	17-09 28.5 18-05		St. Louis gives H: 16-45-44; 43°N., 144°E.
18	e NE eL NE F	0-35.9 52 1-30		St. Louis gives H: 0-12-34; 43.8°N., 147°E.
18	c NE e NE F	11-25.2 34.8 12 ca		
18	e NE	15-17.7		
19	eP NE ePR ₁ E iS ₁ NE M NE F	4-53.6 54-10 58-16 5-01.2 5-30		St. Louis gives H: 4-48-04; 46.6°N., 111.8°W. Δ (meas) 25.3° Δ (S-H) 26.1°
31	iP E ePR ₂ E iS ₂ NE M NE F	18-43-24 44.0 48-06 51 19-20		St. Louis gives H: 18-37-51; 46.6°N., 111.8°W. Δ (meas) 25.3° Δ (S-H) 26.4°

ITHACA (Continued)

November 1 to December 20, 1935

Date 1935	Phase	G C T h m s	Amp. mm.	Remarks
November 1	i N e E iP NE e NE iS E eS N iL NE F	6-04-04 08 48 6-05-06 40 40 06-00 7 ca	tiny " .3 1. 15	Felt locally. P and S phases identified by Ottawa data and Brunner depth chart. Ottawa gives H: 6-03-40 ±; 46°47' N., 79° 04' W.; depth 200 km. Δ (meas) about 525 km. or 4.7°
1	e E F	17-20 40		
2	i NE F	14-34-10 35		Aftershock of Nov. 1, 6h.
4	e F	14-10.3 27		
10	eP E ePR ₁ N ePR ₂ E eS NE F	18-33.7 34-20 34.8 38.7 19		St. Louis gives H: 18-27-49; 18.0°N., 62.8°W. Δ (meas) 27°.
30	eP N e N eS NE eL NE F	3-46.4 47.4 51.6 57.5 4-15 ca		St. Louis gives H: 3-39-59; 11.0°N., 80.5°W; Depth 50 km. Δ (meas) 32°.
December 14	iP N iS NE isS E e(?) N i E F	1-39-30 46-07 48-12 49.1 49-36 2 ca		Phase determinations by Brunner depth chart. St. Louis gives H: 1-31-24; 5.5°S., 73.3°W; Depth 350 km. Δ (meas) 48.° Δ (P-H) 48.° (S-P) 48.5°
14	eP NE iS NE F	22-11.7 17-10 23-20 ca	.5	St. Louis gives H: 22-05-20; 15.0°N., 92.9°W. Δ (meas) 30.5°. (S-P) 33.3°.
15	c N eL N eL E F	7-34.5 8- 3 11 9-30 ca		St. Louis gives H: 7-07-49; 10.6°S., 160.7°E.
20	c N F	8-02.7 8-10 ca		

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December 21 to December 31, 1935

Date 1935	Phase	G C T h m s	Amp. mm.	Remarks
24	e N e(?) E e(?) E F	12-37.5 39 41 13 ca		
28	e N i N e E i N i N e E ePPS NE iSR ₁ E e N eSR ₂ NE eL(?) E cL(?) N F	2-55-06 57-50 58.0 58-36 3-07-56 8.0 10.0 15-54 16.0 21 32 43 5 ca		St. Louis gives H: 2-35-20; 2.5°S., 99.5°E. Δ (meas) 139°.

L. C. Conant, Observer.

May, 1936.