RECORD

of the

SEISMOGRAPHIC STATION,

CORNELL UNIVERSITY, ITHACA, N. Y.

From March 1st 1912 To May 31st 1912

No.	Date	Comp.	Phase	Time	Periods	Amp.	Remarks
				h. m. s.	s.	mm.	
5	Mar. 11	E	L	10 36 40	36		
5	Mar. 11	E	M	10 37 25		6	Earlier phases lost in
			F	10 50			microseisms.
		N	L	10 36 40	12		
			M	10 37 50		2	
			F	11 02 25			
6	Apr. 14	E	oL	13 52			
			F	14 02			
		N	oL	13 51			
			M	13 53 45			
			F	14 07			
7	Apr. 17	E	oL	4 08			
			F	4 16			
		N	oL	4 09			
			F	4 16			
8	May 6	E	P	19 07 08	4		
			S	19 12 05	10		
			L	19 16 30	12-20		
			M	19 24 30		3	
			F	20 12			
		N	P	19 07 18			
			S	19 12 56			
			L	19 16 30			
			M	19 24 04		3	
			F	20 07			
9	May 19	E	[illegible]	8 20 10	3		Possibly artificial.
			[illegible]	8 24 10	5		
10	May 27	E	[illegible]	8 4[illegible] 10	[illegible]		
			[illegible]	8 50 25			Earlier phases ob-
			oL	3 [illegible]			scured.
			M	3 55 22	10	1.5	First part of L
			F	4 09			irregular with small
		N	oL	3 54	15-50		amplitude and long
			M	3 57 35		.5	period.
			F	4 10			
11	May 29	E	oL	13 36	20		
			F	14 10			

RECORD

OF THE

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

International Seismological Centre

LATITUDE 42° 26′ 58″ N.; LONGITUDE 76° 29′ 09″ W. Greenwich.

ELEVATION : 242.6 metres, 796 feet.

INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From June 1st 1912 *To* June 7th 1912

No.	Date	Comp.	Phase	Time h. m. s.	Periods s.	Ampl's	Remarks
12	June 3	N	e	12 51 05	5		
			eL	13 08			
			F	13 14			
13	June 6	N	e	17 06 42			LL of small amplitude and short period during most of afternoon of June 6.
14	June 6	N	e	17 45 28			
15	June 7	N	e	4 06 35			
			F	4 12 30			
16	June 7	N	e	5 03 05			
			F	5 13 35			
17	June 7	N	e	6 59 05			
			F	7 29 30			
18	June 7	N	e	9 18 50			
			F	9 32 30			
19	June 7	N	e	10 20 55			
				10 24 11	6-8		
			M	10 25 17			
			F	10 37 40			
20	June 7	N	e	10 59 05			
			M	11 03 55	8	.4	
			F	11 20 30			
		E	e	10 59 20			
			F	11 16			
21	June 7	N	e	12 41 35			
				12 48 50			
			M	12 56 45	8	.3	
			F	13 08 10			
		E	e	12 41 30			
				12 48 30			
			F	13 10 30			
22	June 7	N	e	14 43 35			
			F	14 53 30			
		E	e	14 43 25			
			F	14 52 30			
23	June 7	N	S?	18 39 35	6		
			eL	18 49 30	8-10		
			F	19 20 30			

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International Seismological Centre

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INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From June 8th 1912 *To* June 8, 1912

No.	Date	Comp.	Phase	Time h.	m.	s.	Periods s.	Ampl's	Remarks
24	June 8	N	e	3	18	15			
			P	3	28	30			
25	June 8	N	e	6	34	00			
			P	6	49	20			
		E	e	6	26	05			
			P	6	49	30			
26	June 8	N	eL	7	13	35	6-12		
			M	7	18	19		.5	
			P						P in next record.
		E	eL	7	12	30			
			M	7	14	13		.4	
			M	7	17	45		.4	
			P						P in next record.
27	June 8	N	eP	7	43	43	4		
				7	46	03			
			S	7	50	50			
			L	7	59	05	8-12		
			M	8	05	20		3.5	
			P						P in next record.
		E	P	7	43	25	4		
				7	45	35			
			S	7	50	40	6		
			L	7	59	50	7-12		
			M	8	06	17		2.5	
			P						P in next record.
28	June 8	N	eL	9	10	35			
			M	9	15	50	15	1.2	
			P						P in next record.
		E	eL	9	11	13			
			P	9	47				
29	June 8	N	eL?	10	23	45			
			M	10	28	02			
			P	10	33	10			
30	June 8	N	e	10	56	50			
			P	11	09				
		E	e	10	55	55			
			P	11	03	15			
31	June 8	N	e	13	17	00	4		
			eL	13	24	20	8-10		
			M	13	29	09		.6	

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ELEVATION : 242.6 metres, 796 feet.

INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From June 9th 1912 *To* June 30th 1912

No.	Date	Comp.	Phase	Time h. m. s.	Periods s.	Ampl's	Remarks
32	June 9	N	e	17 39 20	4		
			M	17 44 12	12	.3	
			F	17 50 50			
33	June 9	N	e	22 37 15			
			F	22 50			
34	June 10	N	1P	16 14 08	4-5		
				16 16 00			
			S	16 21 16	6-8		
			L	16 31 05	10-16		
			M	16 36 00		3	
			F	17 30 30			
		E	1P	16 14 07	4		
			S	16 21 10			
			L	16 30 52			
			M	16 35 42		1	
			F	17 19 40			
35	June 12	N	e	7 28 35			
			M	7 32 29	14	.4	
			F	7 43 30			
36	June 12	N	1P	12 48 45	4-7		
				12 52 35			
			S?	12 53 47			
			eL	12 55 33			
			F	13 22 30			
		E	P	12 48 50			
			S	12 53 50			
			eL	12 55 53			
			F	13 20 48			
37	June 17	E	eL	11 52	15-20		
			F	12 04			
38	June 18	E	e	12 07 58	5		
				12 13 50			
				12 17 30	6		
			F	13 03			

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INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From July 1st 1912 *To* July 31st 1912

No.	Date	Comp.	Phase	Time h.	m.	s.	Periods s.	Ampl's	Remarks
39	July 2	N	eL	4	09				
			F	4	21				
40	July 7	N	P	8	06	02	4-6		
				8	07	55			
				8	11	25			
			S	8	12	49	10		
			L	8	16	07			
				8	19	04			
			M	8	22	20	12	22	
			M	8	25	01	12	16	
			F	10	02				
		E	L	8	16	16			P and S obscured by overlapping record of next hour.
			M	8	22	42		25	
			F	10	05				
41	July 8	N	e	22	09	10			
				22	12	27	5		
			L	22	17	51	9-11		
			M	22	18	51		5	
			F	22	52				
		E	e	22	07	50			
				22	12	27			
			L	22	17	38			
			M	22	18	47		2.8	
			F	22	59	15			
42	July 24	N	P	12	6	27	4		
				12	10	48			
			S	12	14	56	5		
				12	17	52	5		
			F	12	32				LL faint
		E	S	12	14	57			
				12	17	50			
			eL	12	20	14			
			F	12	35				

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From Aug. 1st 1912 *To* Aug. 31st 1912

No.	Date	Comp.	Phase	Time h.	m.	s.	Periods s.	Ampl's	Remarks
43	Aug. 9	N	P	1	41	08	4		
			S	1	50	24	4-8		
			eL	2	02	28	33		
			M	2	08	43	24	1.6	
			M	2	14	47	16	1.5	
			F	2	36				
		E	P	1	40	16			
			S	1	50	36			
			eL	2	01	16	35		
			M	2	16	16	16	1.5	
			F	2	19				
44	Aug. 17	N	e	19	30	50	5		
				19	32	20			
			eL?	19	51				
				20	18	14	24-28		
			F	20	47	15			
		E	e	19	33	16	6		
			eL	19	11	28	24		
			F	20	52	05			
45	Aug. 18	N	e	21	22	55			
				21	23	47	4		
			F	21	33	15			
		E	e	21	23	21	4		
			S?	21	25	58	7		
			F	21	37	45			

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From Sept. 1st 1912 *To* Sept. 30th 1912

No.	Date	Comp.	Phase	Time h.	m.	s.	Periods s.	Ampl's	Remarks
46	Sept. 3	E	e	18	23	20			
			P	18	25	20			
		N	e	18	33	40	6		
			P	18	39				
47	Sept.10	N	e	16	17	14	4	.4	
				16	18	18	3	.3	
				16	19	32	6		
			P	16	22	30			
		E	e	16	17	13	5-6	.4	
				16	18	19	8		
				16	20	34	8		
			P	16	21	40			
48	Sept.12	E	e?	23	51	13	5		
	Sept.14		eL	0	08		15-24		
			P	0	21	30			
	Sept.13	E	e?	23	50	52	6		
	Sept.14		eL	0	05		18-25		
			P	0	22				
49	Sept.20	N	e	21	49		12		
			P	21	54	30			
50	Sept.20	N	P	21	12	42	4-5		
			S	21	22	25	12		
			eL	21	47		20-25		
			P	22	29				
		E	P	21	12	18	4		
			S	21	22	22	8		
			L	21	40	40	18-23		
			P	22	45				

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INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From Oct. 1st 1912 *To* Oct. 31st 1912

No.	Date	Comp.	Phase	Time h. m. s.	Periods s.	Ampl's	Remarks
51	Oct. 12	E	e	15 45 54	4		
			eL	15 58 52	16-18		
			P	16 22			
		N	eL	15 52 25	12-26		
			N	16 02 25	13	2	
			P	17 30			
52	Oct. 18	E	eL	12 29 10	15-25		
			P	13 07			
		N	?	12 25 20	10		
			L	12 29 26	15-30		
			N	12 33 12	15	.5	
			P	13 23			

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INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From Nov. 1st 1912 *To* Nov. 30th 1912

No.	Date	Comp.	Phase	Time h. m. s.	Periods s.	Ampl's	Remarks
53	Nov. 7	H	P	7 49 29	4	.2	P, R, P and S unusually
			R, P	7 51 20	3-6	.3	distinct
			S	7 56 26	8	.6	
			L	7 59 21	4-16		
			M	8 08 01	12	1.7	E component out of
			F	8 56 30			commission
54	Nov. 7	H	P	16 51 26	5		
				16 52 46	4-5		
			S?	16 56 47	5		
			L	17 08 12	16-27		E component out of
			M	17 08 52	20	.3	commission
			F	17 14 30			
55	Nov. 7	E	P	17 36 35	3-5		
				17 37 40	4-6		
			S?	17 41 59	4-5		"
				17 45 31	5-7		
			L	17 47 22	15-24		
			M	17 49 08	20	.5	
			F	18 00			
56	Nov. 19	H	P	14 02 07	6-7		Absolute times
			S	14 07 11	12	.4	approximate
			L	14 11 80			Contact out of order
			F	14 59 80			On H record L begins
		E	P	14 02 11	7		with long waves (40
			S	14 07 14	11	.4	sec.) and soon de-
			F	14 52			creases to period of
							less than 10 sec.
							No decided maximum.
							S of E component be-
							gins abruptly and
							merges into L with
							no distinct break
							between the two
							Periods of L mainly
							under 10 sec.
57	Nov. 22	H	eP	1 14 08	4-7		
			S?	1 17 13	6-8		Obscured by micro-
		E	eP	1 14 48	8-10		seisms
			S?	1 16 56	4-11		
58	Nov. 26	H	eL	15 24	12		Obscured by micro-
			F	15 45 20			seisms
		E	eL	15 29	12		Possibly not due to
			F	15 28			a quake

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ELEVATION : 242.6 metres, 796 feet.

INSTRUMENTS : Two Bosch-Omori horizontal pendulums (25 kgm., mechanical registration).

From Dec. 1st 1912 *To* Dec. 31st 1912

No.	Date	Comp.	Phase	Time h. m. s.	Periods s.	Ampl's mm.	Remarks
59	Dec. 5	E	P?	12 43 25	3-5		
			S?	12 47 25	10		
			eL	12 52 08	6-12		Obscured by microseisms
			F	13 18 20			
		N	P?	12 43 40			
			S?	12 47 40			
			M	12 57 55	8	.2	
			F	13 12			
* 60	Dec. 7	N	iS?	23 05 36	6	.7	This phase begins abruptly with maximum amplitude of quake. Other phases indistinct with small amplitude and short period. Same on E record.
			F	23 36			
		E	iS?	23 05 35	8	1.0	
			F	23 29			
61	Dec. 9	N	L	8 44 20	6-25		
			M	8 52 40	18	2.6	
			F	9 29 15			Early phases lost in microseisms.
		E	L	8 44 18	5-22		
			M	8 51 17	10	1.0	
			F	9 29			
62	Dec. 22	E	eL	21 28 44	8-12		
			F	21 35 15			
		N	eL	21 29 35	8		
			F	21 37 20			
63	Dec. 22	N	eL	22 46 18	10	.3	
			F	22 55 45			Microseisms present.
		E	eL	22 44 50	7-8		
			F	22 57			
64	Dec. 24	N	S?	0 22 12	4-5		Other phases indistinct and obscured by microseisms.
			F	0 23 30			
		E	S?	0 22 08	3-6		
			F	0 23 15			

Microseisms unusually even, with a period of about six seconds, from the night of Dec. 24 th to the morning of Dec. 26th and during Dec. 28th, 29th and 30th.

* N P 22 57 03 4