British Association for the Advancement of Science.

Circular No. 13, *issued by the Seismological Committee*, Professor J. W. Judd, *C.B., F.R.S.* (*Chairman*), Mr. John Milne, *F.R.S.*, *Shide, Isle of Wight* (*Secretary*).

Contents.

I. *General Notes on Registers from Similar Horizontal Pendulums (Milne Type).*

The following registers are continuous with those published by the Seismological Investigation Committee in their first twelve circulars and in the Reports of the Association, 1896 to 1899.

If observers at these and other places will kindly send a copy of their register, together with copies of their more important seismograms, to the Secretary of the Seismological Investigation Committee, British Association, Burlington House, London, W., as early as possible after June 30, *and again after December* 31 *of each year, the interval of time which must elapse before they receive copies of the registers of co-workers in various parts of the world will be considerably reduced.*

The time employed is Greenwich mean time (civil), expressed in hours, minutes, and in decimals of minutes. 24 or 0 hours = midnight.

Amplitude indicates half of the complete range of the maximum motion, and is expressed in millimetres. Values less than 1 millinetre refer to the thickening of the line and indicate half its width.

As 1° turn of the calibrating screw in the bed-plate of the instrument causes a tilt of 1″.9, and as this is accompanied by a measurable displacement of the outer end of the boom, it is easy to determine the angular value corresponding to a 1 millimetre displacement. This quantity should be stated at the end of each register.

II. *Registers.*

The Register from Shide, Newport, Isle of Wight, England.
Observer, John Milne; *Assistant*, Shinobu Hirota.

The following entries refer to records obtained from three pendulums, A, B, and C. The periods and "sensibilities" or deflections for 1° turn of the calibrating screw were as follows:—

A. Period 17 seconds. 1° turn = 4 mm.
B. Period 25 seconds. 1° turn = 9 mm.
C. Period 20 seconds. This pendulum records N.S. motion and is without a calibrating screw. A and B record E.W. motion.

P_1 = Preliminary tremors. p. = period. d. = duration. Ats. = Air tremors.

No.	Date	Commencement	Max.	Max. Amplitude	Duration	Remarks
		1905.				
		H. M.	H. M.	MM.	H. M.	
1027	July 1	2 30·9	—	0·3	0 8	C.
1028	,, 2	3 58·0	—	—	3 0	A. Earthquake?
1029	,, 3	0 15·8	—	0·2	0 39	A.
		0 44·3				
		0 56·0	—	0·2	0 5	B.
		0 45·5	0 53·9	0·3	0 20	C.
1030	,, 6	7 46·8	—	0·2	0 7	B. Not on A.
		7 48·9	—	0·2	0 7	C.
1031		16 33·4	17 18·0	2·0	1 17	A.
		16 33·2	17 14·1	7·0	2 20	B. $P_1 = 10$ m.
		16 33·2	17 15·2	6·0	2 26	C. $P_1 = 11{\cdot}5$ m.
1032	,, 7	23 6·0	—	0·2	0 15	A.
1033	,, 8	15 36·0	—	0·2	0 10	A.
1034		23 4·0	—	0·2	0 5	B and C.
1035	,, 9	8 12·0	—	0·2	0 5	A.
1036	,, 9	9 51·5	10 17·9	>14·0	4 20	B. A not working
		9 51·5	10 15·4	>14·0	4 20	C.

The Register from Shide, Newport, Isle of Wight, England—continued.

No.	Date	Commencement	Max.	Max. Amplitude	Duration	Remarks
		H. M.	H. M.	MM.	H. M.	
1037	July 10	8 6·0	—	0·3	0 10	A.
1038	,, 11	8 57·8	9 17·0	3·0	1 10	A. p. 20s.
		9 3·1	9 18·5	1·7	0 50	B.
		9 4·1	9 18·5	3·0	0 56	C.
1039	,, 11	16 3.1	16 50·0	0·5	1 5	A.
		16 10·3	16 26·7	0·5	0 48	B.
		16 5·2	16 30·8	0·5	0 52	C.
1040	,, 11	18 28·9	—	0·5	0 10	A.
1041	,, 12	9 6·0	—	0·5	0 10	A.
1042	,, 12	19 46·2	—	1·0	0 20	A.
1043	,, 12	20 28·0	—	0·3	0 5	A.
1044	,, 13	7 48·3	—	0·2	0 8	A.
1045	,, 14	9 10·5	9 32·0	0·7	1 35	A.
		9 21·9	9 32·6	0·5	0 50	B.
		9 14·7	9 20·9	2·0	1 2	C.
1046	,, 14	22 24·6	22 40·0	1·5	1 17	A. p. 20s.
		22 31·1	22 40·4	1·0	0 32	B.
		22 31·1	22 36·2 22 42.6	1·5	0 30	C.
1047	,, 15	8 6·0	—	0·2	0 20	A.
1048	,, 17	1 3·2	1 59·1	1·0	?	A.
		1 59·0	2 3·2	0·5	0 45	B. Tremors present.
		1 50·8	2 2·1	1·5	0 45	C. Tremors present.
1049	,, 18	2 11·0	—	0·2	0 14	A.
1050	,, 18	15 57·0	—	0·2	0 27	A.
1051	,, 20	1 30·0	—	0·1	0 40	A.
1052	,, 23	2 55·6	3 21·0	—	2 55	A.
			3 8·9			B & C. P_1=8m.
		2 55·6	3 16·1	>17·0	4 20	Repetition at 6h. 20m.
			3 21·2			
1053	,, 24	23 53.7	—	B ·2 A·1	0 5	B. & C.
1054	,, 27	23 3·0				
		or 23 18.0	—	0·5	0 33or48	A.
		23 24·3	23 26·4	0·2	0 6	B.
		23 18·1	23 22·0	0·3	0 10	C.
1055	,, 30	22 22·1	—	0·2	0 5	C. Not on B. A. not working
1056	,, 31	12 37·9	—	0·2	0 5	C.
1057	Aug. 4	5 16·1	5 23·0	1·5	0 22	A.
		5 16·3	5 21·4	2·5	0 25	B.
		,,	,,	5·0	0 17	C.
1058	,, 6	20 3·0	—	0·2	0 5	C. Not on B. A. not working
1059	,, 8	14 42·4	14 48·5	0·2	0 45	B.
		14 30·0	14 39·3	0·2	0 45	C. A not working.
1060	,, 10	8 39·0	—	0·2	0 5	C.
1061	,, 10	10 30·6	—	0·2	0 5	A. Eqke. ?
1062	,, 12	14 45·3	—	0·2	0 12	C. Not on B. A. not working
1063	,, 25	20 45·8	—	0·1	0 5	A.
1064	Sept. 8	1 46·8	—	—	0 35	A. P_1=6m. 40s. p.=10 s. Trace faint.
		1 47·9	1 55·9	7·0	2 20	B.

The Register from Shide, Newport, Isle of Wight, England—continued.

No.	Date	Commencement	Max.	Max. Amplitude	Duration	Remarks.
		H. M.	H. M.	MM.	H. M.	
		1 46·9	1 54·6	11·0	2 20	C.
1065	Sept. 15	8 9·9	9 29·3	0·5	0 50	B. A not working.
		8 4·7	8 27·3	1·0	1 2	C.
1066	,, 15	6 23·8	6 54·0	> 7·0	>2 30	A. Tremors present.
		6 14·0	6 37·6	>15·0	3 0	B and C, with amp. for B, 9mm. Repetition 115m. after max.
1067	,, 16	1 55·0	—	0·2	0 12	C.
1068	,, 21	7 41·2	—	0·5	0 5	C. Tremors on B.
1069	,, 23	11 19·2	—	0·1	0 6	A.
		11 10·3	—	0·1	0 3	B and C.
1070	,, 26	1 48·3	2 7·0	1·2	0 42	A. p. 18s.
		1 48·5	2 1·9	2·0	1 6	B.
		1 50·5	2 1·0	1·5	1 6	C.
1071	,, 29	12 12·8	13 7·0	1·0	3 0	A. p. 18s. Repetition at 14h.
		12 15·3	12 35·4	0·7	1 50	B. Repetition 4m. before C.
		12 19·3	12 42·4 13 9·5	0·7	1 50	C. Repetition at 14h.
1072	Oct. 4	0 0·5	—	0·1	0 19	A.
		0 0·2	—	0·1	0 15	B and C.
1073	,, 5	3 13·8	—	0·1	1 20	C. A trace on B. Not on A.
1074	,, 8	7 32·5	7 39·0	2·0	0 44	A. p. 10s.
		7 31·4	7 39·7	1·5	0 23	B.
		7 26·3	7 37·6	2·5	0 30	C.
1075	,, 10	19 17·0	—	0·1	0 37	C. A trace on B.
1076	,, 15	22 8·0	22 11·1	0·5	0 26	B.
		,,	,,	0·7	0 30	C.
1077	,, 21	11 13·7	11 20·8	1·0	0 40	B. A. not working.
		,,	,,	1·5	0 50	C.
1078	,, 21	?	13 37·8	0·1	0 3	B. A not working.
1079	,, 21	13 34·8	13 37·8	0·3	0 10	C.
		19 54·7	—	0·2	0 13	B. A not working. Not on C.
1080	,, 22	4 9·1	—	0·3	0 5	B & C. A not working.
1081	,, 22	9 6·1	9 12·2	0·5B 1·5C	0 18	B & C. A not working.
1082	,, 24	18 17·4	18 25·6	2·5	0 30	B. A not working.
		,,	18 27·7	2·5	0 50	C.
1083	Nov. 1	5 49·4	—	0.1	0 5	B.
1084	,, 1	12 5·3	—	0·1	0 10	C.
1085	,, 3	19 10·6	—	0·2	0 30	B.
		,,	19 15·0	0·5	0 36	C.
1086	,, 6	17 30·2	18 16·0	1·0	0 35	A. p. 18s.
1087	,, 8	21 55·0	22 16·6	>15·0	3 45	B and C.
		21 57·1	22 20·6	16·0	2 18	A. p. 17 & 20s.
1088	,, 9	11 32·0	—	0·1	0 4	A.

The Register from Shide, Newport, Isle of Wight, England—continued.

No.	Date	Commencement	Max.	Max. Amplitude.	Duration.	Remarks.
		H. M.	H. M.	MM.	H. M.	
1089	Nov. 10	5 31·2	—	0·1	0 5	C. Not on B.
1090	,, 13	11 41 to 13 12	—	—	—	Tremors on A.
1091	,, 14	8 5·7	—	0·1	0 5	C. Not on B.
		8 0·0	—	0·1	0 5	A. p. 20s.
1092	,, 21	23 24·0	23 56·8	1·0B 0·7C	1 40	B and C.
			24 35·8			
		22 52·5	23 52·5	1·0	3 0	A.
1093	,, 23	15 22·0	—	0·1	0 3	B. Eqke. ?
1094	,, 28	18 34·6	—	0·1	0 5	C.
1095	Dec. 1	22 19·1	—	0·5	0 25	C. On B d. = 10m.
1096	,, 4	7 12·8	7 28·0	—	—	B and C. Trace faint.
1097	,, 10	12 52·9	13 23·7	4·0	—	C. Amp. on B 3mm. Ats.
1098	,, 10	19 7·7	19 23·1	0·7	0 50	B. Ats.
		18 58·0	19 8·3	1·0	0 50	C. Ats.
1099	,, 13	3 6·0	—	1·0	0 8	A.
1100	,, 15	7 44·1	—	0·2	0 15	B.
		7 44·1	—	0·1	0 13	C.
1101	,, 17	5 58·6	6 24·4	3·0	0 48	B.
		6 2·7	6 15·1	4·9	0 40	C.
1102	,, 17	10 6·1	10 16·1	1·5	0 35	B.
		9 9·9	10 19·1	2·5	0 54	C.
1103	,, 18	6 47·9	—	0·1	0 3	B and C.
1104	,, 29	0 32·7	—	0·2	0 5	B.
		0 36·9	—	0·3	0 23	C.

Register from National Physical Laboratory, Kew Observatory. Director, R. T. Glazebrook, *D.Sc., F.R.S.*; *Superintendent*, C. Chree, *LL.D., F.R.S.*; *Observer*, E. G. Constable.

No.	Date	Commencement	Max.	Max. Amplitude	Duration	Remarks.
			1905.			
		H. M.	H. M.	MM.	H. M.	
625	July 3	0 54·4	—	0·3	0 15	—
626	,, 6	16 37·3	17 17·2	5·0	1 38	—
627	,, 9	9 50·9	10 17·0 ?	>17·0	4 5	>17mm. from 10h. 13m. to 10h. 21m.
628	,, 11	8 46·0	9 15·2	2·0	1 9	—
629	,, 11	16 31·2	—	0·4	0 33	—
630	,, 13	8 34·7	—	0·4	0 11	—
631	,, 14	9 19·5	9 32·2	0·6	0 53	—
632	,, 14	22 33·7	22 36·5	1·0	0 33	Second max. at 22h. 41·5m.

Register from National Physical Laboratory, Kew Observatory— continued.

No.	Date	Commencement	Max.	Max. Amplitude.	Duration	Remarks.
		H. M.	H. M.	MM.	H. M.	
633	July 15	8 6·2	—	0·2	0 5	—
634	,, 17	1 37·3	1 53·5	0·5	0 48	—
635	,, 23	2 56·0	3 20·0	>14·0	?	Times approx. Action doubtful
636	,, 27	23 27·2	—	0·2	0 4	—
637	Aug. 4	5 18·4	5 21·5	2·2	0 13	—
638	Sept. 8	1 47·0	1 55·0	?	?	Boom grazing plate
639	,, 14	20 3·5	20 41·4	0·5	1 10	A long series of small movements
640	,, 15	6 23·3	6 53·3	4·5	2 31	—
641	,, 17	1 58·3	2 6·4	1·1	0 38	—
642	,, 29	12 18·5	12 33·3	0·5	1 10	Second max. at 1h. 3·5m.
643	Oct. 8	7 35·3	7 40·0	1·2	0 19	—
644	,, 15	22 11·8	22 30·0	0·6	0 47	—
645	,, 21	11 14·4	11 28·5	1·1	0 54	—
646	,, 22	9 8·2	9 18·0	0·5	0 30	—
647	,, 24	18 21·8	18 31·5	1·0	0 32	—
648	,, 27	A series of small movements from 12h. 39m. to 14h. 1m., but seismic character doubtful.				
649	Nov. 3	19 21·5	—	0·2	0 14	—
650	,, 6	17 59·5	18 14·8	0·8	0 54	—
651	,, 8	1 23·7	—	0·5	0 9	—
652	,, 8	22 9·7	22 17·6	12·1	1 43	Second max. at 22h. 18·5m.
653	,, 21	23 24·8	23 57·2	1·0	0 44	—
654	,, 22	0 28·2	0 37·7	0·8	0 25	—
655	Dec. 1	22 26·4	—	0·4	0 15	—
656	,, 4	7 16·8	—	? 1·5	0 40	Light — shutter touched boom
657	,, 10	13 1·4	—	1·3	0 53	Figures approx.
658	,, 10	19 2·5	19 20·8	1·0	0 43	—
659	,, 17	6 7.3	6 18·5	2·0	0 45	—
660	,, 17	10 16·8	10 26·4	1·0	0 44	—

Mean scale value 1mm. = 0″·55 throughout.

Register from Liverpool Observatory, Bidston. Director, W. E. PLUMMER.

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
				1905				
663	July 1	—	2 28·2	2 35·8	2 48·9	0·2	0 21	—
664	,, 3	—	0 53·1	0 57·2	1 6·9	0·2	0 14	—
665	,, 6	16 33·7	16 43·8	17 15·0	18 38·7	4·3	2 5	—
666	,, 6	—	18 46·0	18 53·2	19 20·7	0·7	0 35	—
667	,, 6	—	—	23 21·0	—	—	—	Small
668	,, 9	—	9 49·4	10 12·0	13 57·9	—	4 9	Too great for record
669	,, 10	—	21 5·0	21 11·6	21 23·2	0·3	0 18	—
670	,, 11	—	—	9 30·0	10 8·0	1·0	—	Beginning lost while changing roll.
671	,, 11	—	11 54·7	12 2·0	12 23·1	0·4	0 28	—
672	,, 11	15 3·0	15 17·2	16 40·6	17 4·4	0·8	2 1	—
673	,, 13	—	13 18·0	—	13 40·0	—	0 22	Small
674	,, 14	—	9 17·2	9 29·3	10 2·4	1·1	0 45	—
675	,, 14	—	22 27·3	22 37·3	23 5·0	—	0 38	—
676	,, 17	1 10·9	1 39·0	1 57·3	2 40·0	0·9	1 20	—
677	,, 18	—	2 8·0	2 12·0	2 20·0	—	0 12	Small
678	,, 23	—	2 56·0	3 25·0	6 56·2	—	—	Lamp failed
679	,, 23	—	10 37·4	10 39·9	10 45·6	0·2	0 8	Too great for record
680	,, 27	—	23 16·3	23 25·8	23 51·2	0·4	0 35	—
681	Aug. 4	—	5 14·7	5 22·4	5 40·0	2·0	0 25	—
682	,, 7	—	—	0 6·0	—	—	—	Small & uncertain
683	,, 8	—	14 32·5	14 40·3	15 16·7	0·5	0 44	—
684	,, 13	—	7 22·0	7 35·3	8 0·4	—	0 38	Small
685	,, 13	—	10 9·5	—	10 31·0	0·3	0 22	—
686	,, 17	—	20 27·2	20 39·5	21 1·6	0·2	0 34	—
687	,, 25	—	10 2·2	10 7·4	10 52·0	0·4	0 50	—
688	,, 25	—	20 46·1	20 51·7	21 4·9	0·2	0 19	—
689	,, 28	—	4 52·0	—	5 30·0	—	—	Small irregular disturbance
690	,, 31	—	15 16·1	15 23·0	15 43·7	0·3	0 28	—
691	Sept. 1	—	3 6·0	—	3 48·0	—	0 42	Small
692	,, 8	—	1 44·2	1 51·3	3 2·6	8·3	1 18	—
693	,, 14	—	20 5·0	20 28·8	21 13·3	1·5	1 8	—
694	,, 15	—	—	14 4·0	—	—	—	Slight
695	,, 26	—	1 49·2	2 5·3	3 6·0	3·4	1 17	—
696	,, 29	—	12 13·0	12 58·1	14 33·0	0·6	2 20	—
697	Oct. 8	—	7 31·4	7 42·0	8 3·8	0·7	0 32	—
698	,, 10	—	19 35·0	19 43·6	20 2·4	0·4	0 27	—
699	,, 14	—	15 6·0	15 18·0	15 42·9	0·5	0 37	—
700	,, 15	—	22 4·4	22 12·2	23 1·7	0·7	0 57	—
701	,, 16	—	12 4·4	12 13·9	12 25·2	0·5	0 21	—
702	,, 21	—	11 11·2	11 24·0	11 58·5	3·2	0 47	—
703	,, 21	—	13 32·3	13 42·4	15 52·8	0·5	0 21	—
704	,, 21	—	19 43·0	19 48·1	20 1·7	0·3	0 19	—
705	,, 22	—	4 6·1	4 10·2	4 18·0	0·2	0 12	—
706	,, 22	—	9 4·0	9 10·8	9 37·2	0·4	0 33	—
707	,, 24	—	4 8·3	4 14·0	4 29·8	—	0 22	Small
708	,, 24	—	18 19·4	18 29·3	18 48·0	1·3	0 29	—
709	,, 29	—	14 38·6	14 44·3	15 35·9	—	0 57	Perhaps A.T.
710	Nov. 1	—	10 58·8	11 7·4	11 16·8	0·5	0 18	—
711	,, 3	—	19 5·0	19 15·8	19 38·6	0·3	0 34	—
712	,, 6	17 43·8	18 8·2	18 11·3	19 5·4	0·8	1 22	—
713	,, 8	—	—	1 24·0	—	—	—	Uncertain: light failed
714	,, 8	—	22 11·3	22 19·6	23 22·5	10·3	1 11	—
715	,, 15	—	6 21·4	6 26·9	6 43·3	0·5	0 22	—
716	,, 19	—	23 42·5	23 48·8	23 54·3	—	0 12	Small
717	,, 21	23 22·7	23 43·0	23 50·9	1 38·3	1·4	2 16	—
718	,, 26	—	—	9 00·0	—	—	—	Small: film injured
719	Dec. 1	—	22 21·0	22 28·6	23 43·0	—	0 22	Perhaps A.T.
720	,, 4	—	7 12·5	7 29·7	8 22·6	1·7	1 10	—
721	,, 4	—	9 15·5	9 21·3	9 33·7	0·3	0 18	—
722	,, 4	—	12 35·0	12 42·6	13 2·8	0·2	0 28	—
723	,, 9	—	20 8·4	20 12·0	20 19·8	0·6	0 11	—
724	,, 10	—	12 55·0	13 18·3	14 28·2	1·1	1 33	—
725	,, 10	—	18 58·7	19 20·0	20 25·0	1·0	1 26	—
726	,, 17	—	5 53·8	6 18·4	7 3·7	2·5	1 10	—
727	,, 17	—	10 10·0	10 22·2	11 1·7	1·1	0 52	—
728	,, 17	—	12 0·4	12 6·3	12 25·1	0·4	0 25	—
729	,, 27	—	1 7·2	1 11·7	1 21·9	0·3	0 15	—
730	,, 27	—	19 28·0	—	19 40·1	—	0 12	Small
731	,, 28	—	12 46·9	12 54·4	13 6·6	0·2	0 19	—
732	,, 31	—	15 3·9	15 22·2	15 53·0	0·4	0 49	—

Register from Royal Observatory, Edinburgh.
Director, F. W. DYSON, M.A., F.R.S. *Observer*, THOMAS HEATH.

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks.
		H. M.	H. M.	H. M.	H. M.	M.M.	H. M.	
				1905				
356	July 6	16 33·5	17 9·0	17 13·8	18 52·0	2·2	2 8·5	—
357	,, 9	9 50·9	10 2·5	10 12·0	13 51·0	>17·0	4 1·0	—
358	,, 14	9 15·5	—	9 30·0	10 17·5	0·5	1 2·0	—
359	,, 14	22 32·5	—	22 38·5	22 59·0	0·5	0 27·0	—
360	,, 17	2 1·0	—	2 5·0	2 19·5	0·2	0 18·5	—
361	,, 23	2 56·3	3 4·0	3 24·0	7 16·0	41·0	4 19·7	—
362	Aug. 1	5 17·5	—	5 23·5	5 33·0	1·0	0 17·5	—
363	,, 19	5 20·0	—	—	7 45·0	—	2 25·0	Sinuous line
364	,, 25	—	—	10 5·5	10 9·5	0·3	0 4·0	Begins abruptly
365	Sept. 8	1 48·0	1 54·0	2 0·0	3 31·0	7·5	1 43·0	—
366	,, 14	20 3·0	—	20 32·5	21 19·5	0·3	1 16·5	—
367	,, 15	6 20·0	6 45·5	6 52·0	9 11·0	3·7	2 51·0	—
368	,, 26	1 44·5	2 1·5	2 4·0	2 55·0	1·5	1 14·5	—
369	,, 28	7 37·0	—	—	9 33·0	—	1 56·0	Line slightly irregular
370	,, 29	12 17·0	—	12 57·0	14 44·5	0·3	2 27·5	—
371	Oct. 1	21 40·0	—	—	22 58·0	—	1 18·0	Line irregular
372	,, 2	5 26·0	—	—	10 51·0	—	5 25·0	Line irregular
373	,, 4–5	9 0·0	—	—	8 0·0	—	23 0·0	Frequent A.T.s.
374	,, 5	8 0·0	—	—	9 59·0	—	1 59·0	Zigzag line.
375	,, 6	0 55·0	—	—	10 0·0	—	9 5·0	Zigzag line.
376	,, 8	7 36·0	7 39·5	7 43·0	7 53·5	1·5	0 17·5	—
377	,, 13	5 0·0	—	12 45·0	20 25·0	0·4	15 25·0	Trace very irregular
378	,, 15	22 12·5	—	22 19·0	23 0·0	0·25	0 47·5	Perhaps A.T.s.
379	,, 16	3 37·0	—	—	10 20·0	—	6 43·0	Trace very irregular
380	,, 21	11 13·5	11 21·0	11 24·5	11 51·0	1·2	0 37·5	—
381	,, 21	13 40·0	—	13 42·0	13 51·0	0·2	0 11·0	—
382	,, 22	9 13·0	—	—	9 58·0	—	0 45·0	A.T.s.
383	,, 24	18 24·0	18 26·5	18 28·5	18 52·0	0·8	0 28·0	—
384	,, 29	10 30·0	—	—	23 30·0	—	13 0·0	A.T.s.
385	Nov. 6	18 0·0	—	18 8·5	18 21·0	0·2	0 21·0	Perhaps A.T.s.
386	,, 8	22 11·0	22 15·0	22 20·5	23 39·0	17·0	1 28·0	—
387	,, 15	6 27·0	—	—	6 29·0	—	0 2·0	Slight tremor.
388	,, 19	23 44·5	—	23 45·0	23 48·0	0·2	0 3·5	—
389	Dec. 4	7 17·5	7 28·5	7 30·5	8 20·0	3·0	1 2·5	—
390	,, 5	—	—	12 35·0	12 39·0	0·3	0 4·0	Begins abruptly
391	,, 7	—	—	16 3·5	16 8·0	0·5	0 4·5	Begins abruptly
392	,, 10	12 25·5	13 20·0	13 24·5	14 24·5	1·7	1 59·0	—
393	,, 10	18 59·5	—	19 18·5	19 38·0	0·4	0 38·5	—
394	,, 17	6 4·0	6 12·0	6 16·5	6 52·0	2·5	0 48·0	—
395	,, 17	10 17·0	—	10 21·5	10 51·5	1·4	0 34·5	—
396	,, 17	12 2·0	—	12 5·5	12 11·5	0·3	0 9·5	—
397	,, 31	7 16·5	—	7 30·0	8 36·0	0·2	1 19·5	—

1905, Sept. 14. 1° of footscrew = 2·75 mm. at end of boom.
1905, Nov. 13. 1° of footscrew = 3·32 mm. at end of boom.
1906, Jan. 12. 1° of footscrew = 3·05 mm. at end of boom.

Mean = 3·04 mm.

∴ 1 mm. displacement at end of boom = 0″·63 tilt of pillar.

Register from the Coats Observatory, Paisley.
Superintendent, DAVID CRILLEY.

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks.
				1905				
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
225	July 2	—	—	4 20	—	—	—	Thickening.
226	,, 4	19 30	—	—	20 30	—	1 0	Thickening.
227	,, 5	3 39	—	5 11	6 3	—	2 33	Possibly A.T.
228	,, 5	11 20	—	—	12 5	—	0 45	Doubtful.
229	,, 6	—	—	15 54	—	—	—	Faint.
230	,, 6	16 36	16 43·2	17 15·8	19 0	4·0	2 24	—
231	,, 9	9 50·5	9 58·5	10 13·3	13 40	>17·0	3 50	—
232	,, 10	21 53	21 55	21 56·8	?	0·8	?	—
233	,, 11	9 1·5	9 10	9 16	10 10	1·0	1 8	—
234	,, 11	16 2·6	—	16 43·6	16 52	0·4	0 49	Possibly two movements.
235	,, 12	—	—	1 0	—	—	—	Thickening.
236	,, 14	—	—	4 57·5	—	—	—	Thickening.
237	,, 14	9 17·5	9 24·5	9 31	10 7·5	0·5	0 50	—
238	,, 16	—	—	22 6	—	0·5	—	Possibly A.T.
239	,, 18	—	—	3 30	—	—	—	Possibly A.T.
240	,, 21	2 1	—	—	2 15	—	0 14	Thickening.
241	,, 22	—	—	3 47	—	—	—	Thickening.
242	,, 22	23 39	—	—	24 0	—	0 21	Thickening, local earthquake.
243	,, 23	2 56·3	3 4·5	3 17·6	7 16·5	>17·0	4 20	Max. for about 20min.
244	,, 24	—	—	23 53	—	—	—	Thickening.
245	,, 25	—	—	1 1	—	—	—	Thickening.
246	,, 25	2 58	—	3 28	4 9	0·4	1 11	—
247	,, 31	—	—	12 23·5	—	—	—	Odd formation.
248	Aug. 4	5 18	5 21·4	5 30	5 43	0·6	0 25	—
	Light out for repair of gas pipes, August 8th.							
249	,, 9	—	—	19 40	—	—	—	Thickening.
250	,, 11	11 46	—	—	12 30	—	0 44	Thickening.
251	,, 11	—	—	19 53·5	—	—	—	Thickening.
	Instrument interrupted, August 16th.							
252	,, 17	—	—	0 31·5	—	—	—	Doubtful.
253	,, 17	—	—	20 57·5	—	—	—	Thickening.
254	,, 18	—	—	19 12	—	—	—	Doubtful.
255	,, 25	—	—	10 6	—	—	—	Thickening.
256	Sept. 1	—	—	3 7	—	—	—	Thickening.
257	,, 3	—	—	13 48	—	—	—	Thickening.
258	,, 8	1 47·5	1 51·5	1 56·6	?	8·0	?	Tremors.
259	,, 8	—	—	10 6	—	—	—	Thickening before and after.
260	,, 9	19 3	—	—	19 45	—	0 42	Thickening.
261	,, 15	6 15	6 23·3	6 55·6	9 13	3·8	2 58	—
262	,, 16	16 17·5	16 19·6	16 19·6	16 21·5	1·0	0 4	—
263	,, 26	?	2 2	2 6·5	?	1·8	—	A.T. prevalent.
264	,, 29	12 17	—	—	13 29	0·3	1 12	—
265	Oct. 8	7 36·8	7 39·7	7 42·5	8 1·5	1·0	0 25	—
266	,, 14	15 12	—	—	15 35	—	0 23	Very faint.
267	,, 14	—	—	20 15	—	—	—	Very faint.
268	,, 21	11 12·5	11 20·7	11 23·8	12 5	1·8	0 47	—
269	,, 21	—	—	13 41·5	—	—	—	Thickening.
270	,, 24	18 23	18 25·2	18 26·4	18 46	0·6	0 23	—
271	,, 26	19 3	—	—	20 35	—	1 32	Doubtful.
272	,, 27	11 56·5	—	—	13 57	—	—	Thickenings.
273	Nov. 6	17 58·2	—	—	19 12	—	—	Thickenings.
274	,, 8	22 11·8	22 16·2	22 21	?	14·0	—	End obscured
275	,,11-12	23 1	—	—	1 5	—	—	Thickenings.
276	,, 12	2 38	—	—	3 4	—	—	Thickenings.
277	,, 14	0 18·5	—	—	1 34	—	—	Thickenings.
278	,, 15	6 2·5	—	—	6 31·5	0·5	0 5	—
279	,, 19	—	—	23 45	—	—	—	Thickening.
280	,, 21	23 21	—	23 18·5	—	0·5	—	Possibly one movement.
281	,, 22	—	—	0 36·5	—	0·5	—	
282	,, 22	—	—	1 33·5	—	—	—	Thickening.
283	,, 23	9 0	—	—	13 0	—	—	Several thickenings.
284	Dec. 4	7 14·5	7 20·5	7 30·5	8 26	3·3	1 12	—

Register from the Coats Observatory, Paisley—continued.

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
285	Dec. 4	9 20·3	—	9 28	—	—	—	Thickening.
286	,, 4	—	—	10 3	—	—	—	Thickening.
287	,, 4	—	—	12 45	—	0·2	—	Thickening.
288	,, 10	12 47·5	12 54 or 13 3·8	13 15·7	14 48	0·8	2 0	Thickenings at intervals till next.
289	,, 10	19 5·2	?	19 16	19 57	0.6	0 52	
290	,, 17	5 53	6 11·6	6 18·5	7 21	2·2	1 28	Times approx.
291	,, 17	10 3	10 17	10 19·5	11 5	1·2	1 2	Times approx.
292	,, 17	12 1	12 2·5	12 5	12 20	0·3	0 19	Times approx.

A 4° turn of calibrating screw = 14 mm. displacement of boom. 1 mm. = 0″·55.

Register from the Observatorio de Marina de San Fernando, Spain.
Director, Capitán de Fragata TOMAS DE AZCÁRATE.

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks.
				1905				
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
441	July 6	16 52·8	17 20·8	17 27·8	17 36·8	3·50	1 14·0	—
442	,, 9	9 49·9	10 0·4	10 26·9	12 33·9	>17·50	4 8·0	—
443	,, 14	9 28·0	9 36·0	9 37·5	9 47·5	0·50	0 39·0	—
444	,, 14	20 34·0	20 40·5	20 41·5	20 45·5	1·00	0 25·0	—
445	,, 17	1 46·1	1 50·0	1 59·0	2 8·0	0·60	0 43·0	—
446	,, 21	0 24·2	—	—	—	—	7 0·0	Tremors.
447	,, 22	0 24·2	—	—	—	—	11 35·0	Tremors.
448	,, 23	2 27·8	3 7·3	3 34·3	6 40·3	>17·50	4 54·0	—
449	Aug. 1	3 35·0	—	—	—	—	—	Tremors.
450	,, 2	7 0·5	—	—	—	0·75	—	—
451	,, 4	5 28·1	5 32·6	5 33·6	5 34·6	1·25	—	—
452	,, 4 / ,, 5	23 24·6	—	—	—	—	— / —	Tremors.
453	,, 7	14 17·7	14 22·7	14 23·7	14 24·7	0·60	—	—
454	,, 8	14 31·7	14 40·7	14 41·7	14 57·7	0·60	—	—
455	,, 14	4 54·9	—	—	—	—	—	Tremors.
456	,, 21	1 25·1	—	—	—	—	—	Tremors.
457	,, 21 / ,, 22	22 7·1	—	—	—	—	— / —	Small movements
458	,, 23	7 45·2	—	—	—	—	—	Tremors.
459	,, 25	3 33·3	—	—	—	—	—	Tremors.
460	,, 29	4 10·5	—	—	—	—	—	Tremors.
461	,, 30	2 55·5	—	—	—	—	—	Tremors.
462	,, 30	9 55·5	—	—	—	—	—	Tremors.
463	Sept. 8	1 6·9	1 50·4	1 58·4	2 5·9	3·00	1 44·0	Calabria Eqke.
464	,, 15	6 26·1	6 47·6	7 1·1	7 17·1	3·00	2 17·0	—
465	Oct. 21	11 17·8	11 4·5	11 23·8	11 25·3	0·74	0 17·0	—
466	Nov. 6	17 59·9	—	—	—	0·50	0 51·0	—
467	,, 8	22 9·4	22 12·9	22 20·9	22 56·9	10·75	1 42·5	—
468	,, 21 / ,, 22	23 51·9	23 56·9	23 57·9	23 59·9	0·75	1 4·0 / —	—
469	,, 23	1 0·0	—	—	—	—	5 30·0	Tremors.
470	Dec. 4	4 49·4	7 21·1	7 27·0	7 37·1	2·25	4 37·6	—
471	,, 10	12 58·2	13 20·4	13 26·7	13 54·3	3·00	2 24·0	—
472	,, 10	18 38·5	19 12·4	19 19·9	19 34·1	1·35	1 2·7	—
473	,, 29	0 28·3	—	0 34·7	—	0·80	0 31·9	—

July 20. 1mm. = 0″·22″. Period = 21s.
August 2. 1mm. = 0″·19″. Period = 22s.
Sept. 23. 1mm. = 0″·21″. Period = 21s.
October 31. 1mm. = 0″·19″. Period = 21s.
Nov. 27. 1mm. = 0″·20″. Period = 21s.
Dec. 8. 1mm. = 0″·19″. Period = 21s.
Mean = 0″·20″. Period = 21s.

December 6th and 17th, clock stopped.

Register from Ponta Delgada, St. Miguel, Azores.
Director, Major F. A. CHAVES

No.	Date	Commencement	Max.	Semi-Amplitude	Duration	Remarks
		1905				
		H. M.	H. M.	MM.	H. M.	
134	July 6	16 47·0	—	—	1 14·0	I. of the Mercalli's scale Thickening of line.
	,, 9	9 53·5	10 34·5	6·9	2 23·0	I. of the Mercalli's scale.
135	,, 11	9 28·0	—	—	0 15·0	Idem—Thickening of line.
136	,, 23	3 00·0	3 34·5	15·1	2 34·0	Idem.
142	Register lost from 15h. 50m. on Sept. 3 to 11h. 11m. on Sept. 4.					
143	Sept. 8	1 50·5	2 17·5	2·55	1 20·5	Idem.
144	,, 14	20 05·0	—	—	0 47·0	Idem—Thickening of line.
	,, 15	1 59·0	—	—	0 04·0	Idem—Idem.
	,, 15	6 20·0	6 28·7	1·3	2 11·0	Idem.
146	,, 29	12 14·0	—	—	0 49·5	Idem—Thickening of line.
147	Oct. 8	7 40·0	—	—	0 28·0	Idem—Idem.
148	,, 15	21 51·5	22 05·5	1·1	0 58·5	Idem.
149	,, 21	11 34·5	—	—	0 12·7	Idem—Thickening of line.
	Register lost from 13h. 40m. to 16h. 51m. on Oct. 21.					
	,, 22	8 52·0	—	—	0 10·0	Idem—Idem.
150	,, 24	18 18·5	—	—	0 31·2	Idem—Idem.
152	Nov. 8	1 20·5	—	—	0 17·5	Idem—Idem.
	,, 8	22 14·2	22 40·6	1·75	1 24·9	Idem.
153	,, 19-20	23 53·5	—	—	0 09·5	Idem—Thickening of line.
	,, 15	6 35·0	—	—	0 01·0	Idem—Idem.
155	Dec. 4	7 21·8	—	—	0 56·0	Idem—Idem.
156	,, 10	12 47·5	—	—	0 51·0	Idem—Idem.
157	,, 17	5 51·6	6 08·2	1·5	1 12·2	Idem.
	,, 17	10 03·8	—	—	0 56·0	Idem—Thickening of line.

Mean scale value 1mm. = 0".50.

Register from Toronto, Ont., Canada.
Director, R. F. STUPART, *F.R.S.C.*

No.	Date	P.T. Commence	L.W. Commence	Max	End	Max. Amplitude	Duration	Remarks
		1905.						
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
586	July 6	? 16 15·0	?	17 12·0	?	0·9	?	Small
587	,, 9	10 4·7	10 17·3	10 35·3	13 9·8	7·0	3 5·1	Large, rapid oscillations
588	,, 11	9 21·3	—	9 35·8	9 59·3	0·3	0 38·0	Small, initial movement pronounced
589	,, 14	9 5·9	9 14·7	9 15·4	10 15·4	4·1	1 9·5	Moderate, max. immediately after P.T.s. passed away
590	,, 14	19 41·4	—	—	19 49·0	0·15	0 7·6	Very small
591	,, 17	0 54·0	—	—	? 2 18·5	0·1	1 24·5	Do.
592	,, 18	1 46·0	—	—	1 54·5	0·15	0 8·5	Do.
593	,, 23	3 9·9	3 23·8	3 44·0	6 49·0	15·0	3 39·1	Very large, no P.T.s. magnetometers affected
		Sudden commencement						
594	Sept. 1	3 7·8	—	—	3 28·5	0·05	0 20·7	Minute thickening
595	,, 8	1 54·0	2 3·7	2 27·3	3 36·0	1·3	1 42·0	Large waves began suddenly
	Boom anchored by spider web from 14th to 18th. Period of vibration 15 secs.							
596	,, 26	2 24·6	—	—	2 34·6	0·15	0 10·0	Minute thickening
597	,, 29	12 15·1	—	—	13 35·1	0·5	1 20·1	Extended thickenings
598	Oct. 12	22 33·5	—	—	22 59·2	0·4	0 25·7	Very small
599	,, 14	14 46·3	14 50·4	14 51·6	15 15·9	1·0	0 29·6	Began gradually
600	,, 15	21 52·1	21 56·2	21 57·7	22 55·2	2·0	1 3·1	Began abruptly
601	,, 16	12 6·0	—	—	12 28·6	0·15	0 22·6	Thickening
602	,, 24	17 56·4	—	18 2·2	Lost.	1·6	Lost.	Small
603	Nov. 3	18 48·8	—	—	19 48·2	0·25	0 59·4	Very small
604	,, 8	22 27·3	22 47·0	22 50·5	23 55·8	3·0	1 28·5	Medium and well marked
605	,, 11	22 38·9	—	—	22 45·2	0·15	0 6·3	Very small
606	,, 15	6 42·5	—	—	6 46·2	0·1	0 3·7	Slight thickening
607	,, 19	23 58·2	—	—	24 4·8	0·05	0 6·6	Very small
608	,, 22	0 43·7	—	—	0 58·1	0·2	0 14·4	Slight thickening
609	,, 25	16 21·0	—	—	16 27·0	0·05	0 6·0	Do.
610	Dec. 4	7 28·2	—	—	8 19·2	0·1	0 51·0	Thickening
611	,, 10	12 52·1	13 2·4	13 11·1	14 15·1	4·2	1 23·0	Sudden commencement
612	,, 10	18 ?	—	—	—	—	—	Air currents, uncertain
613	,, 14	21 40·0	—	—	?	0·15	?	Thickening
614	,, 17	5 42·2	5 46·7	5 47·9	7 16·0	12·0	1 33·8	Large
615	,, 17	8 17·0	—	—	8 22·0	0·1	0 5·0	Slight thickening
616	,, 17	9 47·7	9 51·7	9 53·5	11 0·0	4·45	1 12·3	Medium
617	,, 17	11 36·2	11 38·2	11 38·7	12 2·0	1·3	0 25·8	Very small
618	,, 17	21 19·7	—	—	21 21·9	0·1	0 2·2	Do.
619	,, 18	6 22·3	—	—	6 30·0	0·05	0 7·7	Thickening

Period of Vibration 15 seconds.
Angular Value 0".66.

Register from Victoria, B.C., Canada.
Superintendent, E. Baynes Reed.

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks
			1905.					
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
601	July 6	16 39·9	—	—	18 30·0	0·5	1 50·1	Small
602	,, 9	9 52·9	10 22·4	10 26·4	12 50·0	7·5	2 58·0	Large, rapid oscillations.
603	,, 11	9 23·7	—	—	9 44·2	0·1	0 20·5	Small
604	,, 11	15 57·7	—	—	16 1·7	0·1	0 4·0	Moderate
605	,, 14	8 55·3	—	8 59·5	9 50·0	0·9	0 55·2	Very small
606	,, 14	19 27·5	—	—	19 39·5	0·1	0 12·0	Do.
607	,, 17	0 47·3	—	—	1 1·3	0·1	0 14·0	Do.
608	,, 18	1 57·3	—	—	2 5·3	0·1	0 8·0	Do.
609	,, 23	2 58·8	3 8·0	3 33·1	7 16·0	20·0	4 17·2	Waves off paper at maximum
610	Sept. 1	3 6·1	—	—	3 29·6	0·05	0 23·5	Minute thickening
611	,, 8	1 56·1	2 6·1	2 39·9	3 27·6	1·4	1 31·5	Large waves began suddenly
612	,, 12	19 16·7	—	—	19 23·7	0·1	0 7·0	Slight thickening
613	,, 14	19 55·7	—	Lost.	21 22·6	Lost.	1 26·9	Very small and extended
614	,, 15	6 10·1	6 15·9	6 40·8	9 2·6	5·2	2 52·5	Medium extended
615	,, 15	13 28·7	—	13 41·5	14 14·5	0·2	0 45·8	Thickening
616	,, 26	2 26·9	—	—	2 44·7	0·25	0 17·8	Marked thickening
617	,, 29	12 11·9	—	—	13 50·1	0·2	1 38·2	Extended thickenings
618	Oct. 12	22 49·7	—	—	22 57·2	0·05	0 7·5	Thickening
619	,, 14	15 3·1	—	—	15 27·1	0·15	0 24·0	Do.
620	,, 15	21 56·0	—	—	22 55·0	0·9	0 59·0	Small
621	,, 16	11 50·0	—	—	12 21·9	0·15	0 31·8	Thickening
622	,, 21	11 53·2	—	—	12 13·2	0·15	0 20·0	Do.
623	,, 24	17 53·5	17 56·7	18 1·5	19 10·0	3·6	1 16·6	Medium
624	Nov. 3	18 55·9	—	—	19 16·4	0·25	0 20·5	Very small
625	,, 8	22 29·2	22 58·7	23 1·7	23 54·7	1·1	1 25·5	Medium
626	,, 11	22 29·7	—	—	22 36·5	0·1	0 6·8	Thickening
627	,, 15	6 51·3	—	—	6 55·8	0·05	0 4·5	Very slight thickening
628	,, 19	0 4·0	—	—	0 7·0	0·05	0 3·0	Minute thickening
629	,, 22	0 32·1	—	—	0 44·3	0·05	0 12·1	Slight thickening
630	Dec. 4	7 29·8	—	—	8 48·8	0·1	1 19·0	Thickenings
631	,, 10	12 40·0	12 44·6	12 46·6	14 21·7	1·95	1 41·7	Began gradually
632	,, 10	18 34·5	—	—	19 26·7	0·1	0 52·2	Very small
633	,, 17	5 39·9	5 43·9	5 46·9	7 12·4	3·0	1 32·5	Began abruptly
634	,, 17	8 9·4	—	—	8 15·4	0·1	0 6·0	Thickening
635	,, 17	9 46·4	—	9 54·6	10 52·4	1·1	1 6·0	Small
636	,, 17	11 33·4	—	11 38·2	12 1·4	0·9	0 28·0	Very small
637	,, 17	21 17·6	—	—	21 27·4	0·05	0 9·8	Slight thickening
638	,, 18	6 21·4	—	—	6 26·0	0,05	0 4·6	Do.

Period of Vibration 15 seconds.
Angular Value 0″·76.

Register from the Royal Observatory, Cape of Good Hope, South Africa.
Director, Sir David Gill, *K.C.B., F.R.S.*

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Semi-Max. Amplitude	Duration	Remarks
			1905					
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
331	July 6	—	16 45·0	17 59·0	18 13·0	0·4	1 28·0	Series of slight vibrations
332	,, 23	3 12·0	3 42·0	3 58·0	5 32·0	8·0	2 20·0	—
333	,, 30	—	21 38·0	—	21 44·0	—	0 6·0	Tremors
334	Sept. 8	2 4·0	2 28·0	2 31·5	2 48·0	1·0	0 44·0	—
335	,, 15	—	6 27·0	—	7 47·0	—	1 20·0	Tremors
336	Oct. 22	—	8 20·0	8 25·0	8 49·0	0·6	0 29·0	—
337	,, 28-29	—	8 44·0	—	4 30·0	—	19 46·0	Series of slight vibrations (?) Seismic origin
338	Nov. 8	—	22 41·0	22 50·9	23 6·9	0·7	0 25·0	—

July. 22, 1mm. of boom motion = 0″·20. Boom period = 24·5 seconds.
Aug. 26, ,, ,, ,, = 0″·19. ,, ,, = 24 ,,
Sept. 23, ,, ,, ,, = 0″·20. ,, ,, = 25 ,,
Oct. 28, ,, ,, ,, = 0″·20. ,, ,, = 25 ,,
Nov. 25, ,, ,, ,, = 0″·20. ,, ,, = 25 ,,
Dec. 9, ,, ,, ,, = 0″·19. ,, ,, = 25 ,,

Register from Alipore Observatory, Calcutta.
G. W. Küchler, *Assistant Meteorological Reporter.*

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude.	Duration	Remarks
			1905					
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
358	July 6	16 29·8	16 19·1	16 51·1	18 14·5	1·75	1 44·7	Except when otherwise specified sensibilities 1mm. = 0″·38 of tilt.
359	,, 9	9 47·6	—	—	13 40·5	3·50	3 52·9	The boom having gone out of range, the times of maximum displacement and amplitude cannot be determined.
360	,, 11	8 49·9	8 55·0	8 56·0	9 50·9	3·50	1 1·0	—
361	,, 11	10 39·2	—	10 41·8	11 6·2	1·00	0 27·0	Doubtful.
362	,, 14	9 16·8	9 37·2	9 38·2	10 8·7	1·50	0 51·9	—
363	,, 14	22 9·0	—	22 19·1	22 28·2	5·50	0 19·2	—
364	,, 16	18 57·0	19 3·1	19 8·2	19 17·3	1·50	0 20·3	—
365	,, 21	10 45·7	—	11 26·4	11 36·5	1·00	0 50·8	—
366	,, 23	2 53·3	—	?	6 56·4	?	4 3·1	The boom having gone out of range the times of maximum displacement and maximum amplitude cannot be determined.
367	Aug. 25	9 59·8	10 3·8	10 6·2	10 19·1	0·75	0 19·3	—
368	Sept. 1	3 1·9	3 5·5	3 8·0	3 30·4	0·50	0 28·5	—
369	,, 8	0 54·5	2 22·0	3 28·1	3 33·2	3·00	2 38·7	—
370	,, 14	20 1·0	20 20·8	20 33·4	21 15·2	1·75	1 14·2	—
371	,, 15	6 14·2	6 23·4	6 50·3	9 23·4	16·00	3 9·2	Measured from the base line.
372	,, 15	13 19·5	—	—	14 0·0	—	0 10·2	Thickening of line.
373	,, 16	7 13·5	—	—	7 35·9	—	0 22·4	Thickening of line.
374	,, 22	21 8·8	—	21 9·3	21 23·0	0·50	0 14·2	—

Register from the Observatory Alipore—continued.

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
375	,, 26	1 29·3	1 37·5	1 39·5	2 37·5	6·00	1 8·2	Measured from the base line.
376	,, 29	12 3·1	12 9·2	12 14·8	13 27·0	2·50	1 23·9	—
377	Oct. 21	11 17·4	11 29·6	11 33·7	11 48·9	0·75	0 31·5	—
378	,, 22	9 5·8	9 16·5	9 27·7	9 55·1	1·50	0 49·3	—
379	Nov. 3	19 9·7	—	19 18·4	19 33·1	0·75	0 23·4	—
380	,, 8	22 20·0	22 28·1	22 44·9	24 3·2	2·75	1 42·2	—
381	,, 11	19 39·3	—	19 42·4	19 46·4	0·30	0 7·1	—
382	,, 21	22 54·7	—	22 56·3	23 3·9	0·50	0 9·2	—
383	,, 21	23 12·5	23 19·7	23 20·7	23 41·5	2·25	0 29·0	Sensibility 1 mm. = 0″·48.
384	,, 21	23 45·6	0 1·3	0 8·0	0 34·9	2·00	0 49·3	—
385	,, 26	20 10·3	—	—	26 21·5	—	0 11·2	Thickening of line.
386	,, 28	17 43·0	—	17 47·6	18 19·0	0·50	0 27·0	—
387	Dec. 1	21 56·3	—	22 1·4	22 10·0	0·75	0 13·8	—
388	,, 4	7 20·1	7 32·3	7 37·8	8 22·1	1·25	1 2·0	—
389	,, 9	14 2·0	—	14 5·0	14 41·7	2·00	0 39·7	—
390	,, 10	12 59·1	13 23·6	13 26·1	15 21·5	4·00	2 22·4	—
391	,, 10	18 18·5	18 24·6	18 38·7	19 26·5	3·00	1 8·0	—
392	,, 17	6 35·8	—	—	7 10·9	—	1 5·1	Thickening of line.
393	,, 18	18 57·8	19 0·3	19 1·3	19 5·9	1·50	0 8·1	—

Register from the Government Observatory, Bombay.
Director, N. A. F. Moos.

No.	Date	P.T. Commence	L.W. Commence	Max.	End.	Max. Amplitude.	Duration	Remarks
				1905				
		H. M.	U. M.	H. M.	H. M.	MM.	H. M.	
177	July 2	3 53·7	—	3 53·4	4 3·0	0·5	0 10·3	—
191	,, 6	16 31·2	—	17 4·4	18 56·6	2·4	2 25·4	—
197	,, 9	9 47·0	—	— —	11 7·7	—	4 20·7	As the traces overlap maximum amplitude cannot be found.
202	,, 11	8 59·6	—	9 2·4	9 55·8	2·1	0 56·2	—
207	,, 14	9 37·8	—	9 52·8	10 29·1	0·7	0 51·6	—
209	,, 14	22 21·5	—	22 24·3	22 59·3	0·8	0 37·8	—
212	,, 16	18 59·5	—	19 6·1	19 20·9	0·5	0 21·4	—
229	,, 23	2 53·5	—	—	9 45·9	—	6 52·1	As the traces overlap maximum amplitude cannot be found.
315	Sept. 8	1 52·5	—	2 28·1	3 22·3	1·0	1 29·8	—
325	,, 14	20 4·7	—	20 20·6	21 7·2	1·5	1 2·5	—
326	,, 15	6 14·7	6 48·6	6 53·5	9 34·1	12·6	3 19·4	—
340	,, 28	1 30·1	—	1 35·8	2 31·7	2·1	1 4·6	—
344	,, 29	12 3·0	—	12 35·6	13 23·2	1·0	1 20·2	—
366	Oct. 19	16 33·6	—	16 37·0	17 3·0	1·2	0 29·4	—
370	,, 21	11 23·4	—	11 27·8	11 36·0	0·5	0 12·6	—
371	,, 22	9 2·5	—	9 10·2	9 42·2	0·6	0 39·7	—
381	Nov. 3	19 16·6	—	19 29·0	19 32·1	0·3	0 15·5	—
385	,, 8	22 18·2	—	22 26·9	23 42·7	1·7	1 24·5	—
386	,, 9	16 22·7	—	16 24·7	16 32·3	1·6	0 9·6	—
412	Dec. 4	7 17·7	—	7 27·6	8 9·2	0·9	0 51·5	—
426	,, 10	13 21·6	—	13 39·2	14 38·8	1·5	1 17·2	—
428	,, 10	18 19·3	—	18 31·3	19 25·8	0·9	1 6·5	—

Between 1st July and 7th August 1·0 mm. of amplitude = 0″·43, and between 8th August and 31st December 1·0 mm. of amplitude = 0″·47.

Register from the Solar Physics Observatory, Kodaikânal, Madras.
Director, C. Michie Smith.

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude.	Duration.	Remarks
				1905				
		H. M.	H. M.	H. M.	H. M.	MM. ″	H. M.	
28	July 6	16 31·5	17 00·5	17 03·6 09·7	18 21	3·0 = 1·3 2·0 0·9	1 49	— —
29	,, 9	—	—	—	—	— —	— —	Very large Earthquake, but time uncertain, as clock was driving badly.
30	,, 14	9 43·3	?	9 55·6	10 09	0·4 0·2	0 26	—
31	,, 14	22 25·4	22 26·9	22 26·2	22 45	1·1 0·6	0 20	—
32	,, 16	18 56·7	18 59·6	19 02·1	19 13	0·8 0·3	0 16	—
33	,, 17	0 47·3	—	—	1 46	— —	0 59	? E.Q. Widening of line.
34	,, 23	2 54·6	3 03·8	?	5 39	24 9	2 15	Light went off scale for some time. Chita E.Q.
35	,, 27	22 55·4	—	—	23 03	— —	0 08	Widening of line.
36	Sept. 8	1 52·8	2 21·7	2 22·8 31·0	3 43	1·4 0·8 1·0 0·5	— 2 50	— Italian E.Q.
37	,, 8	5 33·1	5 33·1	5 33·1	5 37	1·0 0·5	0 04	? E.Q.
38	,, 14	20 05·6	?	22 35·1 39·2 43·6	— — 21 11	0·4 0·2 0·5 0·2 0·4 0·2	— — 1 05	— — —
39	,, 15	6 15·1	6 51·0	6 56·7	9 13	7·5 3·6	2 58	—
40	,, 27	1 36·2	1 42·3	1 43·3	2 37	1·6 0·8	1 01	—
41	,, 29	11 53·6	12 12·9	12 13·9	13 24	1·1 0·4	1 30	—
42	Oct. 19	16 27·0	16 32·0	16 32·5	17 00	4·2 2·0	0 33	—
43	Nov. 8	22 19·7	22 40·3	22 48·1	23 34	1·6 0·7	1 14	—
44	,, 22	23 29·6	—	—	25 36	— —	0 06	Widening of line.
45	,, 22-23	23 55·6	0 13·1	0 14·1	0 29	0·6 0·3	0 33	—
46	,, 26	9 59·5	10 12·7	10 12·7	10 23	0·7 0·3	0 23	? E.Q.
47	Dec. 4	7 20·3	7 32·0	7 33·6 37·7	— 8 05	0·6 0·3 0·8 0·4	— 0 45	— —
48	,, 10	13 27·9	13 33·1	13 35·1 37·2	— 14 04	0·5 0·2 0·6 0·3	— 0 36	Felt in N. India. —
49	,, 10	18 19·4	18 30·5	18 31·0	19 02	0·6 0·3	0 43	—

Register from Irkutsk Magnetical and Meteorological Observatory.
Director, A. V. Voznessensky.

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude	Duration
				1905			
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.
800	April 3	7 49·5	—	7 50·5	8 13	0·2	0 23
802	,, 4	0 55·7	0 55·7	1 08·5	> 2 36	> 20·0	> 1 40
808	,, 7	4 42·8	—	4 44·9	5 17	0·2	0 34
812	,, 11	20 33·0	—	20 36·0	20 54	0·2	0 21
816	,, 17	7 43·0	—	7 48·7	8 07	0·2	0 24
816	,, 19	12 54·8	13 20·9	13 40·0	15 13	0·5	2 18
820	,, 22	8 58·5	—	—	9 24	—	0 25
821	,, 24	7 52·8	—	7 55·0	8 06	0·2	0 07
822	,, 24	8 20·5	8 28·9	8 32·3	8 55	0·4	0 34
823	,, 25	9 45·9	—	9 46·5	?	0·2	?
821	,, 25	10 28·6	—	10 43·5	11 20	0·8	0 51

Register from Irkutsk Magnetical and Meteorological Observatory—continued.

No.	Date	P.T. Commence	L.W. Commence	Max.	End	Max. Amplitude	Duration	
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
825	April 26	5 41·9	—	5 50·1	6 05	0·2	0 23	
826	,, 26	13 28·8	—	—	14 02	—	0 73	
828	,, 26	22 07·9	—	22 25·9	23 46	0·3	1 38	
829	,, 28	6 40·2	—	6 41·2	6 48	0·1	0 08	
830	,, 28	16 50·3	—	16 57·2	17 20	0·1	0 30	
832	,, 29	14 15·8	—	14 16·3	14 21	0·2	0 05	
833	,, 30	6 39·6	—	16 47·0	16 57	0·2	0 26	
835	May 8	18 08·4	—	18 13·4	18 41	0·2	0 33	
836	,, 9	7 31·4	—	7 43·9	?	0·4	?	
838	,, 11	13 21·2	—	13 24·4	13 28	0·1	0 04	
839	,, 11	17 18·4	17 22·7	17 22·4	18 11	1·0	0 53	
840	,, 17	23 48·5	—	24 06·3	24 23	0·3	0 34	
841	,, 18	13 56·5	14 05·9	14 25·9	17 21	1·6	3 24	
843	,, 21	4 38·7	—	4 41·2	4 58	0·1	0 19	
844	,, 23	7 18·2	—	7 53·4	8 39	0·3	1 21	
845	,, 25	4 44·6	—	5 08·3	5 22	0·3	0 37	
847	,, 26	17 27·8	—	17 30·1	17 49	0·1	0 21	
848	,, 26	19 12·2	—	19 16·0	19 29	0·2	0 17	
853	June 1	5 03·4	5 17·4	5 18·7	5 43	0·7	0 40	
854	,, 2	5 45·0	5 50·1	5 58·1	6 58	3·4	1 13	
855	,, 2	18 15·1	—	—	18 41	—	0 26	
856	,, 3	5 44·2	5 48·4	5 48·9	6 23	0·3	0 39	
859	,, 12	5 40·7	—	5 43·9	6 47	0·4	1 06	
860	,, 12	8 34·4	—	8 35·6	8 47	0·2	0 13	
861	,, 12	10 00·0	—	10 00·9	10 27	0·3	0 27	
862	,, 14	11 54·4	12 29·8	12 48·6	14 29	1·0	2 35	
863	,, 15	16 07·5	—	—	16 27	—	0 16	
864	,, 19	1 46·7	—	1 52·5	> 2 19	0·2	> 0 32	
865	,, 20	3 50·1	—	—	4 22	—	0 32	
866	,, 23	14 42·0	—	14 44·9	15 09	0·1	0 27	
867	,, 26	16 21·6	16 28·7	16 29·9	17 19	0·5	0 57	
868	,, 30	17 24·0	17 57·2	18 03·0	21 59	0·9	4 35	

Register from the Royal Magnetical and Meteorological Observatory, Batavia.
Director, DR. S. FIGEE.

No.	Date	Commencement.	Duration of P.T's	Max.	Amplitude Double	Total Duration	Remarks
				1905.			
		H. M.	M.	H. M.	MM.	M.	
695	July 3	0 0·9	—	?	0·6 = 0·2	18	—
696	,, 6	16 30·5	7·2	17 1·0	2·8 0·9	120	—
697	,, 9	9 50·5	7·5	10 13·0	>5·0>15·5	? 21·4	—
698	,, 11	9 3·9	7·5	9 12·0	10·0 3·1	40	—
699	,, 11	15 45·0	6·5	15 51·0	3·5 1·1	44	—
700	,, 13	0 52·0	—	0 53·5	1·0 0·3	2	—
701	,, 14	9 52·0	—	9 57·5	1·0 0·3	24	—
702	,, 14	22 30·0	3·5	22 34·0	3·5 1·1	17	—
703	,, 15	7 19·5	—	7 21·0	1·0 0·3	6	—
704	,, 15	14 30·0	—	14 31·5	1·2 0·4	9	—
705	,, 16	0 27·0	—	0 27·5	1·2 0·4	4	—
706	,, 16	18 53·0	—	19 2·7	1·5 0·5	31	—
707	,, 17	9 21·5	—	1 4·0	1·7 0·5	70	—
708	,, 21	2 52·5	—	2 54·7	1·5 0·5	16	—
709	,, 23	2 56·1	7·5	±3 21·5	>5·0>15·5	240	From Siberia.
710	,, 27	22 31·9	—	22 33·1	2·0 0·6	38	—
711	,, 27	22 49·9	—	22 50·2	0·7 0·2	1	—
712	,, 30	21 35·7	—	21 35·8	± 3 ± 0·9	7	—
713	Aug. 11	14 12·2	—	?	0·5 0·2	5	—
714	,, 13	3 30·2	—	?	0·4 0·1	5	—
715	,, 17	7 24·2	—	?	0·5 0·2	10	—
716	,, 17	7 57·2	—	7 58·7	0·7 0·2	8	—
717	,, 19	14 1·2	—	14 2·2	1·0 0·3	14	—
718	,, 23	19 12·7	—	19 14·2	0·4 0·1	2	—
719	,, 24	3 58·7	—	4 39·2	0·4 0·1	43	—

Register from the Royal Magnetical and Meteorological Observatory, Batavia—continued.

No.	Date	Commencement.	Duration of P.T's	Max.	Amplitude Double	Total Duration.	Remarks
		H. M.	M.	H. M.	MM. ″	M.	
720	Aug. 25	8 51·9	—	8 52·4	0·4 = 0·1	1	—
721	,, 25	10 1·7	—	10 9·0	0·7 0·2	20	—
722	,, 26	1 8·7	—	1 9·0	0·4 0·1	1	—
723	,, 26	2 37·5	—	2 38·0	0·4 0·1	2	—
724	,, 26	3 34·0	—	3 34·4	0·5 0·2	2	—
725	,, 31	3 3·7	—	3 4·4	0·4 0·1	3	—
726	,, 31	3 42·2	—	3 43·2	0·5 0·2	3	—
726a	Sept. 1	2 7·2	—	2 8·0	0·4 0·1	4	Doubtful.
726b	,, 1	3 2·5	—	3 14·6	0·4 0·1	12	Id.
727	,, 2	3 11·2	—	3 16·2	0·6 0·2	10	—
728	,, 8	2 7·6	—	2 50·6	1·5 0·5	> 62·5	—
729	,, 10	1 18·8	—	1 19·3	0·6 0·2	3	—
730	,, 13	22 33·7	40·0	23 15·1	1·3 0·4	395	—
731	,, 14	20 12·7	—	23 36·9	1·0 5·3	50	—
732	,, 15	6 14·7	8·7	7 1·3	±10 ±3	175	—
733	,, 16	7 2·7	2·8	7 12·1	2·1 0·6	25	—
734	,, 24	0 9·3	—	0 12·1	1·0 0·3	13	—
735	,, 26	1 38·9	17·5	1 1·2	1·5 0·5	34	—
736	,, 29	11 56·7	—	12 7·4	>9·0>2·7	95	—
736a	Oct. 3	6 37·4	—	6 53·4	0·7 0·2	203	Doubtful.
736b	,, 9	7 58·5	—	7 59·0	0·3 0·1	2	Id.
736c	,, 9	9 4·2	—	9 4·5	0·4 0·1	69	Id.
736d	,, 9	11 18·5	—	11 19·2	0·3 0·1	20	Id.
736e	,, 9	13 3·7	—	13 4·5	0·4 0·1	2	Id.
737	,, 10	23 58·5	—	28 59·3	0·6 0·2	2	—
738	,, 11	3 57·1	—	3 57·4	0·7 0·2	2	—
738a	,, 16	4 11·8	—	4 12·7	0·4 0·1	4	Doubtful.
738b	,, 16	6 31·5	—	6 32·1	0·4 0·1	73	Id.
				6 56·5	0·4 0·2		
				7 16·1	0·7 0·2		
				7 36·0	0·8 0·2		
738c	,, 16	8 42·0	—	8 42·5	0·4 0·1	78	Id.
				8 58·7	0·4 0·1		
				9 16·9	0·3 0·1		
				9 41·2	0·6 0·2		
				9 58·3	0·5 0·2		
738d	,, 16	23 36·3	—	23 37·0	0·4 0·1	2	Id.
738e	,, 17	1 39·5	—	1 42·2	0·4 0·1	213	Id.
				2 27·3	0·3 0·1		
				3 5·3	0·3 0·1		
				3 51·5	0·5 0·2		
				4 32·1	0·4 0·1		
				4 48·7	0·4 0·1		
				5 5·9	0·4 0·1		
739	,, 17	11 58·7	—	11 58·8	0·7 0·2	5	—
740	,, 17	15 56·8	—	15 56·9	1·0 0·3	6	—
741	,, 19	16 33·0	—	16 46·5	2·3 0·7	20	—
742	,, 21	18 55·8	—	18 58·9	0·5 0·2	22	—
				19 15·0	0·6 0·2		
743	,, 22	8 57·5	5·0	9 7·5	1·3 0·4	27	—
743a	,, 23	8 3·0	—	8 4·0	0·4 0·1	105	Doubtful.
				8 6·5	0·4 0·1		
				8 27·3	0·3 0·1		
				8 32·0	0·4 0·1		
				8 35·7	0·3 0·1		
				8 36·4	0·3 0·1		
				9 39·0	0·3 0·1		
				9 37·0	0·3 0·1		
				9 39·9	0·3 0·1		
				9 41·0	0·3 0·1		
				9 45·5	0·5 0·2		
743b	,, 23	11 14·7	—	11 16·5	0·4 0·1	29	Doubtful.
				11 23·8	0·3 0·1		
				11 27·7	0·4 0·1		
				11 30·4	0·3 0·1		
				11 34·6	0·5 0·2		
				11 42·5	0·4 0·2		
743c	,, 24	2 10·5	—	2 12·3	0·3 0·1	120	Doubtful.
				2 15·9	0·3 0·1		
				2 17·5	1·0 0·3		
				2 51·3	0·4 0·1		
				3 29·5	0·3 0·1		
				4 2·0	0·3 0·1		
				4 6·4	0·5 0·2		

Register from the Royal Magnetical and Meteorological Observatory, Batavia—continued.

No.	Date	Commencement	Duration of P.T's	Max.	Amplitude Double	Total Duration	Remarks
		H. M.	M.	H. M.	MM. ″	M.	
743d	Oct. 24	19 3·0	—	19 5·5	0·3=0·1	31	Doubtful.
				19 9·5	0·4 0·1		
				19 14·5	0·4 0·1		
				19 22·7	0·4 0·1		
				19 32·5	0·4 0·1		
743e	,, 24	23 40·1	-	23 41·5	0·5 0·2	30	Doubtful.
	,, 25	...	...	0 8·5	0·3 0·1	—	
743f	,, 25	4 44·3	—	4 44·8	0·3 0·1	4	Id.
				4 47·0	0·4 0·1		
743g	,, 26	1 56·5	—	1 57·5	0·5 0·2	8	Id.
				1 59·5	0·5 0·2		
				2 3·7	0·5 0·2		
743h	,, 27	2 10·5	—	2 12·2	0·5 0·2	4	Id.
744	,, 27	12 35·5	—	12 37·3	0·7 0·2	4	—
744a	,, 28	6 51·9	—	6 52·5	0·5 0·2	19	Id.
				6 56·2	0·4 0·1		
				7 8·1	0·6 0·2		
745	,, 30	2 15·4	-	2 17·6	1·3 0·4	11	—
746	,, 30	23 34·4	-	23 34·9	0·8 0·2	4	—
747	Nov. 2	1 4·4	—	1 5·5	1·2 0·4	3	—
748	,, 2	16 27·9		16 28·9	0·5 0·2	3	—
749	,, 6	17 3·1	7·8	17 23·6	1·2 0·4	60	—
750	,, 8	22 29·3	...	23 10·2	1·0 0·3	80	—
751	,, 21	23 19·6	3·0	23 33·1	1·0 0·4	24	—
752	,, 21	23 54·6	9·0	0 4·6	1·0 0·4	29	—
753	,, 28	17 31·7	—	'	'	32	—
754	Dec. 4	7 51·5	—	8 5·8	1·0 0.4	19	—
755	,, 7	12 46·2	—	12 46·3	1·5 0·6	20	—
756	,, 10	18 15·8	—	'	'	56	—
757	,, 28	23 32·7	—	23 48·7	1·0 0·4	30	—

Register from Helwan Observatory, Cairo, Egypt.
Superintendent, B. H. WADE.

No.	Date.	Commencement	L.W. Commence	Max.	End	Max. Amplitude.	Duration.	Remarks
				1905.				
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
256	July 9	13 55	14 02	14 23	17 30	>18	3 35	Great earthquake
257	,, 23	3 03	3 10	3 30	7 10	>18	4 07	Great earthquake
258	,, 28	2 26	—	3 03	3 10	0·8	0 41	Small distinct tremor
259	Aug. 4	5 25	—	5 26·5	5 33	0·6	0 08	Small tremor
260	Sept. 8	1 48·5	1 59·5	2 1·5	3 30	9	1 41·5	Great Calabrian earthquake.
				2 5				
261	,, 14	—	—	20 55·5	—	—	—	Slight tremor
262	,, 15	6 21·5	6 53·5	7 10·5	8 48·5	9	2 27	Great earthquake
263	,, 26	1 42	1 48·5	2 50	2 09	4·5	2 27	Small earthquake
264	,, 29	12 17	—	12 53	13 10	—	0 53	Slight tremors
265	Oct. 8	7 37·5	7 39	7 43·5	7 58·5	1	0 21	Distinct tremor
266	,, 21	11 8·5	11 11	11 43·5	11 42·5	1	0 34	Distinct tremor
				11 50				
267	,, 22	9 0·5	9 06	9 7·5	20 51·5	0·75	11 51	Distinct tremor
				9 14				
	Nov. 5	Very slight and doubtful tremors from 16h. 58m.—17h. 58m.						
	,, 7	Continuous slight and doubtful tremors from 17h. 38m.—20h. 30m.						
268	,, 7	20 35	20 42·5	20 44	20 50	5	0 15	Very slight but distinct tremor
		Slight irregular disturbances from 20h. 59m.						

Register from Helwan Observatory, Cairo, Egypt—continued

No.	Date.	Commencement	L.W. Commence	Max.	End.	Max. Amplitude.	Duration.	Remarks
		H. M.	H. M.	H. M.	H. M.	H. M.	MM.	
269	,, 7-8	22 9	22 16·5	22 17	22 59	0·8	0 50	Distinct tremors
	,, 8	Continuous slight disturbances from 4h. 0m.—8h. 30m.						
270	,, 25	17 23	17 25	17 27	18 00	0·8	0 37	Distinct tremors
271	Dec. 4	7 08	7 11·5	7 14	8 12	7	1 04	Very sharp rise after preliminary tremors
272	,, 4	9 44	—	9 45	—	—	0 10	Slight distinct tremors
				9 49	...	—		
273	,, 4	12 26	12 30	12 31	—	—	0 15	Slight distinct tremors
	,, 10	13 37	—	—	—	—	0 55	Very slight tremor
	,, 10	18 34	...	—	—	0·2	0 58	Very slight tremor
	,, 16	—	—	—	end about 6 54	0·5	—	Lamp out 3h. 20m. to 6h. 16m. tremor in progress when lamp relit
	,, 17	3 35	—	—	—	—	0 20	Thickening
	,, 17	6 33	—	—	—	—	0 25	Thickening
	,, 26	14 02	—	—	...	0·7	0 7	Seismic origin doubtful

Register from the Observatory (Syrian Protestant College), Beirût, Syria.
Observers, G. MAIER, *M.S., and* ALFRED H. JOY, *M.A.*

No.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks
				1905.				
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
116	July 6	15 49·5	17 7·5	17 20	18 7·5	2·0	2 18·0	—
117	,, 9	9 48	...	10 10·5	10 25·5	0·5	0 37·5	—
118	,, 10	22 14	...	22 15·5	22 17	...	0 3·0	Slight thickening.
119	,, 11	8 58	...	9 11	9 45·5	1·0	0 47·5	—
120	,, 11	16 1	—	16 30·5	16 46	0·3	0 45·0	—
121	Aug. 4	4 13	—	4 16	4 23	0·6	0 10·0	—
122	,, 25	10 5	—	—	10 7	—	0 2·0	Slight thickening.
123	Sept. 1	3 6	—	—	3 19	—	0 13·0	Slight thickening.
124	,, 15	6 14	—	7 3	7 44·5	1·9	1 30·5	Short shocks.
125	,, 26	1 37	—	1 47	2 6	1·4	0 29·0	—
126	,, 29	12 13·5	—	12 19·5	12 40·5	0·4	0 27·0	—
127	Oct. 7	7 33	7 34·5	7 35·5	7 59	3·3	0 26·0	Single shock.
128	,, 21	11 8	—	11 10·5	11 33·5	2·2	0 25·5	—
129	,, 21	13 28	—	13 28·5	13 36·5	0·5	0 8·5	—
130	,, 22	4 1	—	4 2	4 17	0·7	0 16·0	—
131	,, 22	9 4	—	—	9 21	—	0 17·0	Thickening.
132	,, 22	16 48	—	—	17 5·5	0·2	0 17·5	Thickening.
133	Nov. 8	22 9	22 13	22 14	23 11	18·0	1 2·0	Entirely across film
134	,, 9	0 35	—	0 35·5	0 38·5	0·5	0 3·5	—
135	,, 9	1 20·5	—	1 21·5	1 24	0·3	0 3·5	—
136	,, 18	14 49	—	14 49·5	14 53	0·5	0 4·0	—
137	,, 18	22 52	—	—	22 55·5	—	0 3·5	Thickening.
138	,, 27	20 13	—	—	20 16	—	0 3·0	Thickening.
139	Dec. 4	4 35	—	—	4 38·5	—	0 3·5	Thickening.
140	,, 4	5 37·5	—	—	5 40·5	—	0 3·0	Thickening.
141	,, 4	7 5·5	—	7 12	8 7·5	12·0	1 2·0	Interrupted by entry.
142	,, 4	8 51·5	—	—	8 54·5	—	0 3·0	Thickening.
143	,, 4	9 40	—	9 42	10 9	6·0	0 29·0	—
144	,, 4	12 21·5	—	12 23·5	12 36·5	2·8	0 15·0	—
145	,, 4	22 2	—	—	22 5·5	0·3	0 3·5	Thickening.

Register from the Observatory (Syrian Protestant College), Beirût, Syria—continued.

No.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude.	Duration.	Remarks
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
146	Dec. 5	8 57·5	—	—	9 0·5	0·3	0 3·0	Thickening.
147	,, 5	17 1·5	—	17 2·5	17 9	0·9	0 7·5	—
148	,, 5	17 13	—	17 13·5	17 19·5	0·4	0 6·5	—
149	,, 9	3 9·5	—	—	3 12	—	0 2·5	Thickening.
150	,, 10	11 57·5	—	—	13 6	—	0 8·5	Thickening.
151	,, 17	19 42·5	—	—	19 45·5	—	0 3·0	Thickening.
152	,, 17	21 17	—	—	21 19	—	0 2·0	Thickening.

Sept. 7 8hrs. to Sept. 8 21hrs. instrument not adjusted.

Period 15 sec. 1mm. = 0″·54.

Register from Baltimore, Md., U.S.A.
Director, HARRY FIELDING REID.

No.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude.	Duration.	Remarks
				1905.				
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
39	June 14	19 5	—	—	19 42	—	0·4	Beads. Probably E.Q.
41	Aug. 8	20 54·1	—	20 57·6	21 2·2	—	0·3	,, ,, ,,
42	,, 9	14 29·3	—	—	16 45·6	—	0·5	,, ,, ,,
43	,, 11	17 23·6	—	—	18 22·6	—	0·4	,, ,, ,,
44	,, 15	14 19·9	—	—	15 19·9	—	0·4	,, ,, ,,
45	,, 15	18 42·9	—	—	19 42·9	—	0·6	,, ,, ,,
46	,, 17	20 16	—	—	20 22·5	—	0·3	Swelling.
50	Sept. 8	2 3·2	2 7·2	2 28·4	3 40	—	1·6	Calabrian E.Q.
51	,, 8	14 13·8	—	—	14 18·3	—	0·3	Slight swelling.
53	,, 14	20 3·9	20 17·1	20 28·6	21 25	—	1·1	E.Q.
54	,, 15	6 14·2	6 19·2	6 23·0	6 45·7	9·10	8·7	Large E.Q.
55	,, 15	13 49·7	—	—	6 48·7	—	0·4	Perhaps return of last disturbance.
					14 0·7			
56	,, 19	13 25	—	—	13 49	—	0·2	Slight swelling.
57	,, 26	2 14·2	—	—	2 57·5	—	0·3	Slight swelling.
59	,, 29	12 14	—	—	?	—	—	—
61	Oct. 14	14 44·2	—	14 49·4	15 13	—	1·1	E.Q. P.T. about 5m.
62	,, 15	21 46·8	—	21 54·5	22 35	—	1·8	Very much like 61.
65	,, 24	2 30	—	—	3 0	—	0·4	A series of slow vibrations. Times inaccurate.
66	,, 24	17 55	18 0	—	18 33	—	1·5 ?	E.Q. Times and amplitude inaccurate.
70	Nov. 1	—	11 39·2	11 42·5	12 10	—	0·4	Mere swelling.
77	,, 8	22 27·3	22 49·4	22 52·5	23 47	—	1·1	E.Q.
78	,, 9	6 0	—	—	13 0	—	—	A series of slow waves.
92	,, 25	13 59·5	—	—	14 14	—	0·2	Small slow waves.
102	Dec. 10	12 43·2 ?	13 7·8 ?	13 13·8	14 39 ?	—	2·4	E.Q.
108	,, 17	5 46·7	5 51·8	5 52·5	7 54	—	11·0	E.Q.
109	,, 17	9 53·0	9 57·0	9 58·0	11 10	—	4·0	E.Q.
110	,, 17	11 38	11 41·6	11 42·2	12 19	—	1·7	E.Q.
111	,, 17	—	21 27·0	—	—	—	0·4	—
115	,, 21	—	15 28·2	—	—	—	0·4	Probably not E.Q.
118	,, 27	0 49	0 51·4	—	0 59·8	—	0·2	Probably not E.Q.

Register from St. Clair Experimental Station, Botanical Dept., Trinidad, B.W.I.
WILLIAM LESLIE, *Superintendent.*

No.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks
				1905.				
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
272	July 9	/	10 36	10 59	12 51	2	2 50?	Merged in tremors
273	,, 11	5 24	—	—	5 46	—	0 22	Several thickenings of line
274	,, 23	3 10	3 28	4 8	5 51	3	2 41	Merged in tremors
275	,, 26	17 49	—	—	17 51	—	0 2	Thickening of line
276	,, 30	0 39	—	—	0 40	—	0 1	Thickening of line
277	Aug. 17	20 4	—	20 5	20 11	1	0 7	—
278	,, 29	15 49	—	15 50	15 58	full swing	0 9	—
279	Sept. 8	2 36	—	—	2 54	—	0 18	Thickening of line
280	,, 11	5 0	—	5 0	5 2	2	0 2	—
281	,, 14	20 46	—	—	21 10	—	0 24	Thickening of line
282	,, 15	6 36	—	7 14	8 36	4	2 0	Merged in tremors
283	,, 29	13 15	—	—	13 56	—	0 41	Series of line thickenings
284	,, 29	16 18	—	—	16 20	—	0 2	Thickening of line
285	Oct. 9	8 34	—	8 34	8 39?	2	0 5?	Merged in tremors
286	,, 14	14 41	14 45	14 47	15 5	2	0 24	—
287	,, 15	21 44	21 51	21 52	22 16	2	0 32	—
288	Nov. 10	22 20	—	22 21	22 25	1	0 5	—
289	Dec. 12	13 37	—	—	13 45	—	0 8	Thickening of line
290	,, 16	16 26	—	16 28	16 30	1	0 4	—
291	,, 28	5 16	—	5 16	5 21	full swing	0 5	Severe shock felt merging in tremors for 4 hours after. No damage

Newspaper reports.
No. 286 Reported from Cuba, no time given.
,, 287 ,, ,, ,, 5·45 p.m. local time? sharp shock.
,, 287 ,, ,, Jamaica 5·50 p.m. local time, sharp shock.
,, 286 ,, ,, ,, no time given.

Register from Vieques, Porto Rico.
(Bosch-Omori Seismograph.)
Compiled by J. E. BURBANK, *U.S. Coast and Geodetic Survey.*

No.	Comp.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Remarks
					1904.			
			H. M. S.	H. M. S.	H. M. S.	H. M. S.	MM.	
29	N	July 10	23 00 16	—	—	23 15 00	—	—
29	E	,, 10	23 00 22	—	—	23 14 44	—	—
30	N	,, 21	11 37 00	—	—	11 53 00	—	—
31	N	Aug. 24	21 55 00	—	—	22 55 00	—	—
31	E	,, 24	22 00 00	—	—	22 44 00	—	—
32	N	,, 27	22 08 34	22 30 30	22 40 00	24 00 00	20·0	—
32	E	,, 27	22 08 38	22 29 18	22 35 54	24 09 00	16·5	—
33	—	,, 30	—	12 45 00	—	13 27 00	0·4	—
33	—	,, 30	—	12 47 00	—	13 21 00	—	—
34	N	Sept. 3	17 16 00	—	—	17 22 00	—	—
34	E	,, 3	17 15 00	—	—	17 26 00	—	—
35	N	,, 11	—	6 52 00	—	7 28 00	—	—
35	E	,, 11	—	6 47 00	—	7 26 00	—	—
36	N	,, 19	—	0 35 00	—	0 57 00	—	—
36	E	,, 19	—	0 32 00	—	1 02 00	—	—
37	N	,, 19	—	5 50 00	—	6 50 00	—	—
37	E	,, 19	—	5 48 00	—	6 48 00	—	—
38	N	Oct. 3	3 51 00	—	—	4 37 00	—	—
38	E	,, 3	4 08 00	—	—	4 28 00	—	—

Register from Vieques, Porto Rico—continued.

No.	Comp.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Remarks
			H. M. S.	H. M. S.	H. M. S.	H. M. S.	MM.	
39	N	Oct. 9	14 09 00	—	—	14 48 00	—	—
39	E	,, 9	14 07 00	—	—	14 50 00	—	—
40	N	,, 25	9 55 00	—	—	10 20 00	—	—
40	E	,, 25	9 56 00	—	—	10 17 00	0·2	—
41	N	Nov. 1	9 29 08	—	9 29 26	9 32 33	0·6	Local.
41	E	,, 1	9 29 11	—	9 29 27	9 32 33	0·4	—
42	N	,, 21	13 16 40	13 17 36	13 18 56	13 27 00	—	—
42	E	,, 21	13 15 39	13 17 15	13 17 23	13 30 00	—	—
43	N	,, 24	—	—	—	12 42 00	—	—
43	E	,, 24	—	—	—	12 40 00	—	—
44	N	Dec. 2	2 27 17	2 34 17	2 37 08	3 05 00	2·0	—
44	E	,, 2	2 27 10	2 35 48	2 39 14	3 04 30	2·4	—
45	N	,, 5	18 09 34	—	—	18 26 40	0·2	—
45	E	,, 5	18 09 34	—	—	18 26 40	—	—
46	N	,, 11	17 15 20	—	—	17 45 20	—	—
46	E	,, 11	17 15 22	17 24 22	17 35 40	17 50 22	0·4	—
47	N	,, 20	5 50 10	5 53 49	5 54 40	7 21 10	28·0	—
47	E	,, 20	5 50 10	5 53 46	5 58 10	7 24 10	35·0	—
48	N	,, 21	1 41 27	1 45 17	1 50 17	2 20 00	0·4	—
48	E	,, 21	1 41 28	1 45 18	1 48 27	2 18 00	0·4	—
49	N	,, 28	21 09 12	21 13 00	—	21 57 00	—	—
49	E	,, 28	21 09 20	21 13 16	—	21 45 00	—	—
				1905				
51	N	Jan. 20	18 05 02	18 08 40	18 09 04	18 29 20	0·6	—
51	E	,, 20	18 05 02	18 08 44	18 09 08	18 29 20	0·5	—
52	N	,, 22	3 03 39	3 27 37	—	4 47 39	—	Long.
52	E	,, 22	3 03 39	3 27 37	—	4 46 39	—	Waves.
53	N	Feb. 14	9 10 37	9 35 24	9 43 49	10 21 11	1·1	—
53	E	,, 14	9 11 01	9 31 43	9 38 00	10 45 00	0·5	—
54	E	,, 19	—	5 38 00	—	—	—	Distant.
55	N	March 5	—	—	—	—	—	Distant.
55	E		—	—	—	—	—	—
56	N	,, 6	—	1 46 43	—	2 06 53	—	Very small.
56	E	,, 6	—	1 41 50	—	2 05 50	—	—
57	N	,, 19	0 21 32	1 00 08	—	2 37 32	—	Very small.
57	E	,, 19	0 21 14	0 59 54	—	2 21 14	—	—
58	N	,, 22	4 03 05	4 26 05	4 36 25	5 20 15	0·8	—
58	E	,, 22	4 03 21	4 29 31	—	5 24 21	—	—
59	N	April 4	1 10 26	1 50 48	2 10 48	3 47 26	1·2	Long.
59	E	,, 4	1 10 25	1 43 25	2 13 51	3 38 25	1·6	Waves.
60	N	,, 19	—	9 52 00	—	10 54 00	—	E. nothing.
61	N	,, 19	—	13 25 00	—	13 48 00	—	E. nothing.
62	N	,, 26	21 50 04	—	21 59 40	22 20 44	0·7	Small.
62	E	,, 26	21 51 07	—	21 59 31	22 19 43	0·7	—
63	N	May 9	—	6 56 26	—	7 32 10	—	Small.
63	E	,, 9	—	6 53 10	7 06 10	7 24 10	0·4	—
64	N	,, 12	—	15 40 00	—	16 06 30	—	Doubtful.
64	E	,, 12	—	15 45 30	—	16 09 46	—	Doubtful.
65	N	,, 15	9 08 44	—	9 08 46	9 09 44	0·5	Local.
65	E	,, 15	9 08 46	—	—	9 09 46	—	Very small.
66	N	,, 18	—	14 06 00	—	15 42 00	—	—
67	N	,, 23	—	6 54 00	—	7 09 00	—	—
67	E	,, 23	—	6 54 37	—	7 13 37	—	—
68	N	June 14	—	11 59 00	—	12 43 00	—	Small.
68	E	,, 14	—	11 59 00	—	12 41 00	—	—
69	N	,, 30	—	17 30 30	—	19 48 30	—	Long.
69	E	,, 30	—	17 31 30	—	19 39 30	—	Waves.
70	N	,, 30	20 20 24	—	—	20 58 24	—	Notes.
70	E	,, 30	20 21 24	—	—	20 58 24	—	—

Period of Pendulum Aug. 27th, N-S 27 4 sec. E-W 23 2 sec.
,, ,, ,, Dec. 20th, N-S 26 2 ,, E-W 22 2 ,,

No. 43 Second phase, 12 29 00.
No. 43 ,, ,, 12 30 00.
No. 44 ,, ,, 2 31 53.
No. 44 ,, ,, 2 31 48.
No. 46 ,, ,, 17 21 22.
No. 50 January 13th, 14 30–15 00 few large waves.

Notes to Register from Vieques, Porto Rico—continued.

No. 52 Waves small amplitude period 15 to 25 sec.
No. 53 L.W. period 24 sec. Max. period 19·2 sec.
No. 54 Few large waves evidently P.P. of distant earthquake.
No. 55 Only P.P. of distant earthquake, waves small amplitude N-S about 0 28—0 55. E-W about 0 28—0 55.
No. 56 Phases not distinctly marked.
No. 57 N-S 1st P.T. indistinct. E-W 1st P.T. waves 4 to 6 sec. Second phase 0 37 54.
No. 58 Waves P.P. 17–27 seconds, only P.P. of distant earthquake.
No. 59 Continuous waves 1 50 44—3 06 26. 16 to 26 sec. period.
,, ,, 1 43 25—3 12 25. 16 to 20 ,, ,,
Second phase, 1 26 48—1 26 27.
Nos. 60 and 61. No record on E-W pendulum; evidently P.P. of distant earthquakes.
No. 62 Small earthquake near origin. Second phase, 21 56 12—21 56 07.
Nos. 66 and 67. Beginning and end indefinite, only long waves P.P. of distant earthquakes.
No. 69 Beginning and end indefinite long waves nearly whole interval.
No. 70 Trace removed at 20 58 24.

Period of Pendulum.

	N-S	E-W
Feb. 14th,	23·6	20·7.
Mar. 22nd,	23·8	21·0.
Apr. 4th,	23·7	21·0.

Register from Cheltenham, Md., U.S.A.
(Bosch-Omori Seismograph.)
Compiled by J. E. BURBANK, *U.S. Coast and Geodetic Survey.*

No.	Comp.	Date	Commence-ment	L.W. Commence	Max.	End	Max. Ampli-tude	Remarks.
				1904				
			H. M. S.	H. M. S.	H. M. S.	H. M. S.	MM.	
1	N	Dec. 2	2 30 59	2 36 29	—	2 55 00	1·9	—
1	E	,, 2	2 30 32	2 36 16	—	3 06 10	2·0	—
2	N	,, 20	5 51 01	5 59 59	6 04 19	7 41 20	27·7	—
2	E	,, 20	—	—	—	—	—	No record.
3	N	,, 21	1 28 50	1 40 00	—	1 58 00	1·4	—
3	E	,, 21	—	1 38 50	—	1 58 00	1·6	—
				1905				
4	N	Jan. 20	18 06 19	18 14 15	18 16 15	18 30 30	0·5	—
4	E	,, 20	—	18 16 00	18 17 15	—	0·5	Indistinct.
5	N	,, 22	3 05 35	3 55 35	4 02 00	5 00 00	0·5	—
5	E	,, 22	3 06 28	3 46 12	—	5 00 00	0·4	—
6	E	Feb. 13	5 54 00	—	6 28 30	6 58 00	—	—
7	N	,, 14	9 09 06	9 22 00	9 33 00	10 46 00	2·5	Typical E.Q.
7	E	,, 14	9 07 00	9 22 00	9 27 50	10 58 00	4·0	—
8	N	,, 17	12 34 20	12 46 20	—	13 12 20	—	—
8	E	,, 17	12 30 33	12 45 33	—	13 10 33	—	—
9	N	,, 19	5 26 00	5 37 00	—	6 20 00	0·3	—
9	E	,, 19	5 05 20	5 38 20	—	5 58 20	0·5	—
10	E	,, 26	3 26 10	—	—	3 59 00	—	Nothing N.
11	N	March 5	0 20 50	0 25 50	—	0 56 50	—	—
11	E	,, 5	0 21 10	0 24 10	0 27 10	1 05 10	0·7	—
12	N	,, 6	1 46 00	—	—	1 58 00	—	—
12	E	,, 6	1 42 10	—	—	2 05 20	—	—
13	N	,, 19	0 32 00	1 00 00	—	1 44 00	—	—
13	E	,, 19	0 32 20	1 02 00	—	1 44 20	—	—
14	N	,, 22	3 58 42	4 12 00	4 25 52	5 43 00	4·7	—
14	E	,, 22	3 59 16	4 12 00	4 23 52	5 47 20	2·2	—
15	N	,, 22	11 48 00	—	—	12 07 00	—	Very small.
15	E	,, 22	11 46 20	—	—	12 00 00	—	—
16	N	April 4	1 08 45	1 35 00	1 52 05	—	10·6	India.
	N		—	—	2 00 45	3 47 25	3·0	—
16	E	,, 4	1 08 50	1 35 50	1 53 00	—	4·3	—
	E		—	—	1 58 40	3 58 00	3·0	—
17	N	,, 19	13 19 00	—	—	13 40 00	—	—
17	E	,, 19	13 20 20	—	—	13 42 00	—	—

Register from Cheltenham, Md.—continued.

No.	Comp.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude.	Remarks
			H. M. S.	H. M. S.	H. M. S.	H. M. S.	MM.	
18	N	,, 26	21 53 10	—	—	22 37 00	—	Very small.
18	E	,, 26	21 54 00	—	—	22 37 00	—	—
19	N	May 9	6 51 24	6 56 25	6 58 24	7 21 24	1·6	—
19	E	,, 9	6 51 43	6 57 43	6 58 03	7 16 43	0·8	—
20	N	,, 18	—	14 37 00	—	15 32 00	—	—
20	E	,, 18	—	14 37 00	—	15 32 00	—	—
21	N	June 9	—	13 30 00	—	13 53 00	—	—
21	E	,, 9	—	13 26 00	—	14 04 00	—	—
22	E	,, 12	—	6 19 00	—	6 36 00	—	Doubtful.
23	N	,, 14	12 12 14	—	—	13 37 30	—	—
23	E	,, 14	—	12 24 30	—	13 14 30	—	L.W. only.
24	N	,, 30	17 48 40	—	—	20 08 40	—	—
24	E	,, 30	17 32 40	18 05 40	—	20 01 40	—	—
25	N	,, 30	20 17 14	—	20 24 00	20 54 14	2·5	—
25	E	,, 30	20 23 14	—	20 16 45	20 48 40	1·5	Local.

November 30th, E-W 31 2 sec. N-S 28 0 sec.
December 21st, E-W 18 0 ,, N-S 25-0 ,,

No. 2 Second phase, 5 56 11.
No. 4 Second phase, 18 11 15—18 12 55.
No. 5 Second phase, 3 30 00—3 24 08.
No. 6 N-S pendulum out of adjustment.
No. 7 Waves on N 17 sec., on E 18—20.
Nos. 8 and 9 Evidently only large waves from distant earthquake.
No. 11 Only P.P. of distant earthquake.
No. 14 P.P. of distant earthquake.
No. 15 Only P.P. of distant earthquake.
No. 16 Second phase, 1 18 10—1 23 30.
No. 17 Only the P.P. of a distant earthquake.
No. 18 Origin not very distant. Second phase, 22 01 00—22 01 00.
No. 19 Appears like a local earthquake; vibrations of very short period superposed on natural period of pendulum. Second phase, 6 53 52.
No. 20 Only P.P. of distant earthquake.
No. 21 P.P. of distant earthquake.
No. 22 Only few long waves P.P. of distant earthquake. N-S no hing.
No. 23 P.P. of distant earthquake.
No. 25 Presents strange disagreement of time on two components in beginning and in maximum.

Register from Sitka, Alaska.
(Bosch-Omori Seismograph.)
Compiled by J. E. BURBANK, *U.S. Coast and Geodetic Survey.*

No.	Comp.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks
					1904				
			H. M. S.	H. M. S.	H. M. S.	H. M. S.	MM.	H. M. S.	
1	E	May 2	—	10 13 45	—	—	—	—	Local.
1	N	,, 2	—	10 13 46	—	—	—	—	—
2	E	June 25	14 54 08	15 08 00	—	15 35 00	—	—	—
2	N	,, 25	—	15 09 00	—	15 16 00	—	—	—
3	E	,, 25	21 09 16	21 25 16	—	22 00 00	0·5	—	—
3	E	,, 25	21 09 11	21 22 00	—	21 46 00	—	—	—
4	N	,, 27	0 23 28	0 31 00	—	0 54 00	0·6	—	—
4	E	,, 27	—	—	—	—	—	—	Record imperfect.
5	E	Aug. 24	21 11 15	—	—	22 43 00	—	1 31 45	Doubtful.
5	N	,, 24	21 21 00	—	—	22 28 00	—	1 07 00	Very small.
6	E	,, 27	22 00 50	22 03 26	22 05 26	23 51 00	52·0	1 50 50	Typical.
6	N	,, 27	22 01 07	22 03 43	22 05 07	24 07 00	55·0	2 05 53	Large.

Register from Sitka, Alaska—continued.

No.	Comp.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks
			H. M. S.	H. M. S.	H. M. S.	H. M. S.	MM.	H. M. S.	
7	E	,, 30	12 23 30	12 27 00	12 29 30	12 58 00	0·7	34 30	—
7	N	,, 30	12 23 30	12 27 00	12 29 30	12 40 00	1·0	16 30	—
8	N	Sept. 11	6 26 12	6 29 00	—	6 43 40	—	17 28	Very small.
8	E	,, 11	6 20 00	—	—	6 49 00	—	29 00	—
9	N	,, 18	23 51 20	—	—	25 01 20	—	1 10 00	Very small.
9	E	,, 18	23 57 00	—	—	25 06 00	—	1 09 00	—
10	N	,, 19	18 19 24	—	18 21 24	18 34 14	—	14 50	Very small.
10	E	,, 19	18 20 19	—	18 21 37	18 32 00	—	11 41	Local.
11	E	,, 24	5 27 41	—	—	5 38 00	—	10 19	—
11	N	,, 24	5 27 36	—	—	5 37 36	—	10 00	—
12	N	Oct 3	3 30 27	—	—	4 38 47	—	1 08 20	Long waves.
12	E	,, 3	3 30 32	—	—	4 40 32	—	1 10 00	—
13	N	,, 9	14 10 32	14 16 30	14 18 40	14 10 20	0·8	29 48	Small. Typical.
13	E	,, 9	—	14 18 00	—	—	—	—	—
14	N	Dec. 3	2 42 37	—	—	3 14 37	—	32 00	Very small.
14	E	,, 2	2 41 16	—	—	5 14 16	—	33 00	—
15	N	,, 20	—	6 24 48	—	6 51 00	—	—	—
15	E	,, 20	5 53 00	6 20 00	6 30 00	6 53 00	—	1 00 00	—

Second phase not recognized in any of the earthquakes.

August 7-8th, artificial disturbances.
August 13th, disturbance possibly earthquake.
August 27th, E-W pendulum off sheet at 22 05 16.
N-S off sheet at 22 05 12 and 22 07 20.
Period of waves E-W. P.P. 15—16s. N-S P.P. and Max. 16—22.
No trace E-W September 2nd, 20 15—September 6th, 2 26.
No trace N-S September 6th, 19 09—September 9th, 2 31.
No trace E-W September 26th, 2 24—September 27 h, 2 05.
No trace E-W September 27th, 6 13—September 28th, 2 33.
October 9th, period of waves in maximum 16·5.
October 9th, E-W pendulum not in good adjustment.
No record N-S October 12th, 5 53—October 13th, 2 26.
Tremors October 13-18, more or less marked, especially during day of October 16th.
No record N-S October 24th, 5 25—October 25th, 2 27.
Tremors November 4th and 5th.
November 7th, unusual (artificial) disturbances 20 54—24 00.
No record N-S November 18th, 11 17—November 19th, 2 25.
Tremors November 20th and 21st.
No record N-S November 20th, 3 35—November 21st about 2 20.
Tremors December 19th, very strong.
December 20th, beginning obscured by tremors, and somewhat indefinite. Period max. waves N-S 15 E-W 14.

Register from Honolulu, T.H.
Observer, S. A. DEEL, *Compiler*, J. E. BURBANK.

No.	Date	Commencement	L.W. Commence	Max.	End.	Max. Amplitude	Approximate Duration	Remarks
				1904				
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
67	July 26	00 44·8	—	1 14·9	2 04·2	1·5	1 19	—
68	,, 24	10 59·8	—	11 10·3	12 14·3	1·0	1 14	—
69	Aug. 8	23 10·3	—	—	23 41·3	—	0 31	—
70	,, 18	5 04·6	—	5 37·6	6 07·6	0·6	1 03	—
71	,, 21	21 10·7	21 26·3	21 38·3	24 10·0	3·0	3 00	—
72	,, 27	22 04·3	22 13·8	22 16·0	25 10·0	12·3	3 06	Max. real.
73	,, 30	12 07·6	12 29·6	—	12 54·0	—	0 46	Small.
74	Sept. 8	2 36·5	—	3 12·5	3 45·5	1·0	1 07	—
75	,, 11	6 16·1	—	6 40·3	7 05·0	—	0 49	Small.

Register from Honolulu, T.H.—continued.

No.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Approximate Duration	Remarks
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
76	Sept. 16	17 27·7	—	—	17 54·0	—	0 26	Doubtful.
77	,, 17	20 03·7	—	—	20 33·7	0·6	0 30	—
78	,, 19	00 00·2	—	00 01·2	00 50·0	1·0	0 50	—
79	,, 19	5 05·6	—	5 25·6	7 12·0	1·0	2 06	—
80	Oct. 1	10 31·1	—	—	11 13·0	—	0 39	Very small.
81	,, 2	22 02·4	22 12·7	22 17·1	22 44·2	0·75	0 42	—
82	,, 3	3 67·9	—	1 24·6	5 05·9	1·7	1 27	Max. doubtful.
83	,, 5	19 27·4	—	—	20 06·0	0·6	0 39	—
84	,, 8	19 12·3	—	19 17·4	19 36·2	0·6	0 23	—
85	,, 9	14 39·7	—	—	14 47·8	—	0 08	Doubtful.
86	,, 28	14 31·3	—	—	15 21·3	0·5	0 50	Small.
87	Nov. 21	3 19·4	3 22·7	—	4 14·7	—	0 55	Max. lost.
88	,, 22	1 16·1	1 32·2	1 38·5	2 36·5	1·7	1 20	—
89	,, 27	7 19·3	—	—	7 29·1	—	0 10	Local ?
90	Dec. 2	2 08·7	—	2 53·0	3 17·6	1·0	1 08	—
91	,, 4	8 18·3	—	—	8 57·0	0·6	0 39	Doubtful.
92	,, 11	9 19·1	9 21·7	9 32·7	9 52·0	0·8	0 42	—
93	,, 19	18 12·6	—	18 36·8	19 11·6	0·5	0 59	Very small.
94	,, 20	5 55·8	6 18·3	6 21·8	8 37·0	5·0	2 41	Large typical
95	,, 23	15 30·6	—	15 36·3	15 51·0	1·0	0 20	—

Period 19·2 seconds. 1mm. amplitude = 0·39″ tilt.
Lamp out August 10th, 23 30 to August 12th, 1 30; September 8th, 8 38 to 19 24; September 23rd, 9 04 to 18 50; December 2nd, 3 22 to 20 25.

No.	Date	Commencement	Second Group Commence	L.W. Commence	Max.	End	Max. Amplitude	Remarks
				1905				
		H. M.	H. M.	H. M.	H. M.	H. M.	MM.	
96	Jan. 13	13 27·0	—	13 47·0	13 54·1	—	0·5	See notes.
97	,, 15	20 41·8	—	—	—	20 57·7	0·5	Doubtful.
98	,, 19	22 05·1	—	—	22 17·4	22 44·9	0·5	Very small.
99	,, 20	23 07·4	—	—	—	23 34·1	—	Very small.
100	,, 22	2 55·9	3 05·4	3 23·5	3 30·1	—	2·5	Typical.
		—	—	—	34·3	5 36·4	3·2	—
	Feb. 3	13 51·7	—	—	—	14 55·6	—	Waves.
	,, 6	14 50·0	—	—	—	15 09·7	—	Waves.
101	,, 4	7 22·1	—	—	—	7 28·1	—	Thickening.
102	,, 13	5 53·7	5 10·8	5 43·8	5 53·1	6 40·3	6·4	—
103	,, 14	8 53·6	—	8 59·3	9 05·9	—	4·6	Air tremors.
		—	—	—	10·9	—	3·5	At end.
		—	—	—	36·9	12 03·0	2·5	—
104	,, 17	12 05·3	—	—	12 37·3	13 00·0	1·2	—
105	,, 19	4 43·5	4 53·2	4 57·7	5 04·2	7 36·7	3·9	—
106	March 4	—	—	16 27·4	16 33·8	—	2·0	Notes.
107	,, 4	—	18 58·7	19 02·2	19 05·2	19 59·0	1·3	106 ?
108	,, 4	23 27·6	23 35·2	23 43·9	23 50·6	23 37·1	4·7	Typical.
109	,, 18	12 35·3	—	—	12 41·8	12 50·8	0·5	Thickening.
110	,, 19	0 07·4	0 15·0	0 23·0	0 26·4	—	9·4	Very large.
		—	—	—	29·4	3 12·4	4·0	Typical.
111	,, 22	3 46·5	—	3 54·1	3 59·5	7 12·5	10·5	Typical.
112	,, 22	11 25·8	—	—	11 32·8	12 08·0	0·5	Slight.
113	,, 24	8 55·8	—	—	9 13·8	9 24·8	0·5	Thickening.
114	April 2	1 14·3	—	—	1 52·3	2 02·3	0·6	Thickening.
115	,, 4	1 04·6	1 08·7	1 15·0	1 35·2	—	2·5	Very large.
		—	—	—	47·2	—	1·5	Typical
		—	—	—	55·5	5 20·0	8·2	—
116	,, 17	7 35·2	—	—	7 50·0	8 01·7	0·7	Small.
117	,, 19	12 47·0	—	—	13 00·0	—	1·0	Notes.
118	May 4	2 40·7	—	—	2 42·1	2 52·8	3·4	Insect ?
119	,, 9	6 38·1	—	—	7 06·1	7 29·2	—	Very small.
120	,, 11	17 25·5	—	—	17 40·7	18 07·2	0·5	Thickening.
121	,, 12	16 13·1	—	—	16 18·1	16 24·6	0·5	Thickening.
122	,, 15	3 09·7	—	—	3 19·5	3 25·3	0·4	Thickening.
123	,, 17	23 17·9	—	23 20·5	23 21·4	24 10·4	0·6	Well marked.

Register from Honolulu T.H.—continued.

No.	Date.	Commencement	Second Group Commence	L.W. Commence	Max.	End.	Max. Amplitude	Remarks.
		H. M.	H. M.	H. M.	H. M.	H. M.	MM.	
124	May 18	13 55·1	14 03·6	14 13·1	14 19·9	16 46·3	3·9	Typical.
125	June 2	5 58·4	—	6 08·9	6 16·7	6 47·1	1·0	Small.
126	,, 5	22 09·5	—	—	22 15·0	22 26·5	0·5	Small.
127	,, 6	2 41·3	—	2 53·2	2 55·5	3 24·0	0·6	Small.
128	,, 9	12 40·4	—	12 48·1	12 49·3	14 03·8	0·8	Well marked.
129	,, 12	5 22·2	—	5 34·3	5 40·5	—	1·1	Small.
		—	—	—	49·8	6 21·3	1·0	Well marked.
130	,, 14	11 39·5	—	11 46·9	12 01·4	—	1·0	End obscured.
131	,, 29	7 30·3	—	—	—	7 51	—	Thickening.
132	,, 30	—	17 24·4	17 31·4	17 36·7	20 32·1	4·4	Typical.
133	,, 30	20 25·1	—	—	20 28·6	20 56·1	0·8	—
134	July 1	1 12·1	1 23·6	1 31·6	1 35·2	2 12·1	1·2	Small.

Period of pendulum constant at 19·5 to 20 0 seconds. 1mm. deflection of boom corresponds to 0·29″ tilt.
No. 96 Beginning and end obscured by air tremors.
Possible earthquake January 13th, 18 56—19 10 partly obscured by time break.
Nos. 97 and 98 very small earthquakes. February 3rd, 53 regular sinusoidal waves of very small amplitude. Duration 55·9 minutes, period of waves 66·7 seconds.
February 6th, 12 regular waves in 19.7 minutes, period 98·5 seconds, no air tremors within several hours of either group of waves.
No. 103 End obscured by air tremors, second phase not easily recognized.
No. 106 Beginning and end obscured by air tremors.
No. 107 Possibly a portion of No. 106.
No. 117 Beginning and end obscured by air tremors.
No. 118 Possibly disturbances due to insects.
No. 120 Bead like thickening of line.
No. 130 End obscured by air tremors.
No. 131 Prolonged thickening of trace.
No. 132 Large typical earthquake.

No record was obtained on the following dates:

February 23rd, 18 51 to February 24th 18 46,
February 23rd, 4 30 to 18 51,
February 24th, 18 46 to February 27th, 20 00,
March 2nd, 11 00 to 19 00,
March 9th, 11 30 to March 11th, 18 51. } Boom disturbed by spiders and other insects.
March 24th 13 27 19 56 no race.
March 25th, 17 42 to 18 52 lamp out.
April 7th, 10 00 to 19 24 no trace.
April 23rd, 4 54 to April 27th, 19 00 insect disturbances.
April 27th, 23 12 to May 2nd, 19 16 tied up by spider web.
May 10th, 19 00 to May 11th, 8 00 insect disturbances.
May 21st, 17 42 to 18 23 clock stopped.
May 23rd, about 7 07 possible small earthquake.
June 18th, 3 45 to 5 23 paper run out.
June 25th, 6 50 to 19 29 insect disturbances.
June 27th, 19 08 to 20 00 paper run out.

Register from Perth Observatory, Western Australia.
Director, W. E. Cooke, *M.A., F.R.A.S., &c.*

No.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Remarks.
				1905.			
		H. M.	H. M.	H. M.	H. M.	MM.	
56	July 1	Watch	wound	1 43·3	20 20·0	0·5	—
		here		1 56·2		0·5	Small tremors all day
57	,, 1	—	—	—	—	—	
58	,, 3	0 3·4	0 17·3	0 19·0	0 25·7	0·5	—
59	,, 6	9 16·4	16 42·4	17 16·2	19 47·6	0·75	—
				17 39·1		0·75	

Register from Perth Observatory, Western Australia.—continued.

No.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Remarks
		H. M.	H. M.	H. M.	H. M.	MM.	
60	July 8	0 0·0	—	—	24 0·0	—	Constant small tremors.
61	,, 11	none	15 59·4	16 18·3	16 31·9	0·65	—
62	,, 17	0 38·7	0 51·8	0 54·9	1 45·2	3·1	—
63	,, 23	3 0·3	3 10·3	3 34·2	7 19·2	Too large to measure	—
64	Aug. 8	13 26·4	13 37·7	13 55·0	14 13·0	2·0	—
65	,, 8	19 48·6	19 53·8	19 55·6	20 10·6	0·4	—
66	,, 31	5 17·8	—	10 14·1	10 39·8	0·6	—
67	Sept. 5	23 30·0	—	—	24 0·0	—	Small tremors.
68	,, 6	0 0·0	—	—	6 15·0	—	Small tremors.
69	,, 8	2 8·4	3 3·7	3 7·4	3 25·1	0·4	—
70	,, 9	2 30·0	—	4 18·5	16 0·0	0·3	Small tremors.
				4 12·7		0·5	
71	,, 11	1 3·2	—	9 24·7	24 0·0	0·6	Small tremors all day.
				11 11·7		0·6	
72	,, 12	0 0·0	—	—	24 0·0	—	Very small tremors all day.
73	,, 15	6 26·4	6 26·9	6 42·1	9 6·7	1·4	—
74	,, 15	22 48·1	23 2·9	23 8·7	23 26·9	0·8	—
	No record from 1905, Sept. 18th, 12h. 0m. to 1905 Sept. 20th, 2h. 15m.						
75	,, 29	11 58·1	12 2·6	12 9·4	13 37·6	7·2	—
	No record from 1905, Sept. 30th, 4h. 10m. to 1905, Oct. 2nd, 2h. 55m.						
76	Oct. 17	11 7·6	11 15·6	11 22·2	11 34·6	0·6	—
77	,, 19	8 24·8	8 29·1	8 29·8	8 33·0	0·35	—
78	,, 19	16 39·1	16 44·8	17 0·8	17 17·6	0·8	—
79	,, 21	18 46·0	19 5·2	19 9·6	19 39·0	0·5	—
80	,, 22	8 30·3	8 43·7	8 59·1	9 42·2	0·9	—
81	Nov. 1	10 59·7	11 16·9	11 22·4	12 7·9	0·9	—
82	,, 4	7 33·3	7 35·2	7 36·4	7 38·9	0·45	—
82	,, 6	17 3·7	17 16·1	17 18·5	18 28·9	4·15	—
		—	—	23·7	—	2·00	—
		—	—	49·7	—	3·4	—
		—	—	52·4	—	2·25	—
84	,, 6	18 30·0	—	—	0 0·0	—	Small tremors.
85	,, 7	0 0·0	—	—	24 0·0	—	Small tremors.
86	,, 8	0 0·0	—	—	24 0·0	—	Small tremors.
87	,, 8	23 6·1	23 26·5	23 28·4	23 53·4	0·5	—
88	,, 20	0 0·0	—	—	3 0·0	—	Very small tremors
89	,, 20	15 0·0	—	—	24 0·0	—	—
90	,, 21	0 0·0	—	—	5 0·0	—	—
91	,, 21	22 14·1	22 18·8	22 21·2	22 42·4	0·6	—
92	,, 22	—	1 34·3	1 37·0	1 39·7	0·4	—
93	,, 25	0 0·0	—	—	3 30·0	—	Small tremors.
94	,, 25	15 31·2	15 33·5	15 34·5	15 54·5	0·4	—
95	,, 28	17 40·4	17 42·9	17 47·1	18 15·9	1·1	—
				17 54·9		1·0	
	No record 1905, Nov. 29th, 19h. 30m. to Dec. 2nd, 1h. 40m.						
96	Dec. 4	7 56·0	8 2·8	8 21·6	8 36·0	0·35	—
	No record 1905, Dec. 7th, 6h. 48m. to Dec. 8th, 1h. 30m.						

Register from Perth Observatory, Western Australia—continued.

No.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Remarks
		H. M.	H. M.	H. M.	H. M.	MM.	
97	Dec. 10	13 0·0	—	—	14 3·0	—	Small tremors.
98	,, 10	18 24·1	18 27·3	18 32·9	19 25·5	1·1	—
				18 42·1		1·0	
99	,, 11	5 15·6	—	—	9 0·0	—	Small tremors.
	No record 1905, Dec. 13th, 22h. 0m. to Dec. 14th, 1h. 30m.						
100	,, 15	15 29·5	15 32·9	15 34·0	15 45·0	0·8	
101	,, 16	1 40·0	—	—	3 2·0	—	Small tremors.
102	,, 17	6 43·4	—	7 13·9	7 31·9	0·25	—
103	,, 21	12 0·0	—	—	13 10·0	—	Small tremors.

1905, Dec. 23rd, clock stopped at intervals during day.
No record 1905, Dec. 28th, 13h. 15m. to Dec. 29th. 1h. 30m.

July 19 1mm. = 0″·53.
Oct. 9 1mm. = 0″·58.

Register from the Magnetic Observatory, Christchurch, New Zealand. Observer, Henry F. Skey, *B.Sc.*

No.	Date	Commencement	L.W. Commence	Max.	End	Max. Amplitude	Duration	Remarks
		1905.						
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
251	Jan. 7	2 30·1	—	2 34·3	—	0·6	0 50·5	—
252	,, 8	—	—	23 07·9	—	—	—	Minute.
253	,, 13	Indefinite	—	13 48·9	—	2·8	Indefinite	In middle of large night tremors.
254	,, 19	21 54·2	22 00·4	22 01·4	22 03·5	3·25	0 37·4	—
255	,, 20	22 58·3	—	23 04·0	—	0·8	0 27·2	—
256	,, 22	2 54·4	3 07·9	3 26·5 to 3 28·1	3 38·9	5·05	2 21·7	—
257	,, 22	9 27·7	—	9 29·3	—	0·9	0 24·3	—
258	Feb. 1	2 21·4	—	2 26·1	—	—	0 07·3	Very slight.
259	,, 13	Indefinite	5 44·0	5 46·1	5 51·8	2·45	—	P.T's came while attending to instrument between 5 36 and 5 40. A.T's till 7h. 17·6m.
260	,, 13	23 32·0	23 36·2	23 41·4	23 43·2	4·15	0 32·1	—
261	,, 14	1 13·4	—	1 17·5	—	0·7	0 20·7	—
262	,, 14	9 12·9	9 40·1	9 41·3	10 08·2	1·9	Indefinite	A.T. obscured by night tremors.
263	,, 15	0 00·2	—	0 04·3	—	—	0 06·2	Very slight.
264	,, 15	1 35·9	—	1 40·0	—	1·4	0 37·8	—
265	,, 19	4 44·1	4 50·6	4 59·4	5 19·5	12·45	2 19·4	—
266	,, 20	11 50·7	—	11 58·7	—	—	0 17·5	Very slight.
267	,, 20	—	—	13 23·3	—	—	—	Thickening merely

Register from the Magnetic Observatory, Christchurch, New Zealand—continued.

No.	Date	Commencement	L.W. Commence	Max.	End.	Max. Amplitude.	Duration.	Remarks
		H. M.	H. M.	H. M.	H. M.	MM.	H. M.	
268	,, 20	14 22·9	—	14 30·5	—	—	Indefinite	Very slight A.T. obscured by night tremors.
269	,, 21	4 00·6	—	4 05·0	—	—	0 07·7	Thickening of line
270	,, 26	2 38·1	2 45·4	2 46·4	2 50·8	2·5	Indefinite	—
271	,, 26	4 21·6	—	—	—	—	—	Short sharp shocks.
272	,, 26	4 38·1	—	—	—	—	—	
273	,, 26	5 03·0	—	—	—	—	—	
274	,, 27	Indefinite	17 32·6	17 39·6	18 00·3	3·5	Indefinite	P.T. and A.T. obscured by night tremors.
275	March 4	Indefinite	16 28·1	16 29·4	16 38·9	2·3	Indefinite	P.T. and A.T. obscured by night tremors.
276	,, 4	Indefinite	18 53·6	19 00·7	19 06·9	2·4	Indefinite	P.T. and A.T. obscured by night tremors.
277	,, 4	23 25·5	23 40·0	23 44·6	24 07·9	7·4	Indefinite	A.T. obscured by second quake.
278	,, 5	Indefinite	0 59·6	1 03·9	1 05·3	2·0	A.T's till 2 20·8	P.T's obscured by previous quake.
279	,, 17	2 00·7	—	2 02·8	—	0·45	0 22·8	—
280	,, 19	0 03·7	0 09·4	0 18·0 to 0 18·7	1 39·4	17·0 +	3 46·6	—
281	,, 19	4 19·3	—	4 24·4	—	0·3	0 11·0	Very slight.
282	,, 19	11 53·9	—	11 59·6	—	0·3	0 24·3	Very slight.
283	,, 19	13 09·9	—	13 15·6	—	0·05	0 14·0	Very slight.
284	,, 22	4 02·7	4 29·6	4 30·1	5 12·6	1·9	2 36·2	—
285	,, 27	7 55·6	—	8 12·1	—	0·6	0 55·3	—
286	April 2	Indefinite	—	1 45·7	—	0·5	Indefinite	In middle of continuous tremors.
287	,, 4	1 10·0	1 25·9	2 08·0	3 21·0	8·5	4 07·4	Origin in Northern India.
288	,, 9	4 55·4	—	5 02·1	—	0·3	0 16·5	—
289	,, 19	Indefinite	12 43·9	12 47·5	12 56·8	2·55	Indefinite	P.T. and A.T. obscured by night tremors.
290	,, 25	9 34·6	9 39·8	9 41·9	9 42·9	1·3	Indefinite	A.T's obscured by night tremors.
291	May 11	Indefinite	17 45·9	17 48·0	17 50·1	1·5	Indefinite	P.T. and A.T. obscured by night tremors.
292	,, 15	4 05·4	—	4 09·0	—	0·5	0 19·1	—
293	,, 17	23 17·9	—	23 26·1	—	0·7	0 53·2	—
294	,, 18	Indefinite	14 00·8	14 11·2	14 37·5	6·9	Indefinite	P.T. and A.T. obscured by night tremors.
295	,, 23	6 42·6	—	6 59·4	—	0·55	1 26·1	—
296	,, 25	3 47·0	—	4 03·6	—	0·5	0 46·6	—
297	June 1	—	—	21 07·8	—	0·9	—	In middle of continuous tremors.
298	,, 9	Indefinite	12 44·5	12 53·8	12 56·3	2·35	Indefinite	P.T. and A.T. obscured by night tremors.
299	,, 11	5 22·5	5 22·6	5 31·8	5 42·7	2·9	1 31·0	—
300	,, 14	Indefinite	11 36·9	11 46·6	12 20·4	17·0 +	Indefinite	P.T. and A.T. obscured by night tremors.
301	,, 16	9 40·0	—	9 49·4	—	0·75	0 57·2	—
302	,, 17	21 01·6	—	21 13·9	—	0·3	0 31·1	—
303	,, 21	7 43·3	—	7 46·4	—	—	0 09·3	Very slight.
304	,, 29	7 31·5	—	7 38·8	—	0·3	0 15·0	—
305	,, 30	17 13·1	17 18·3	17 24·4 to 17 24·9	18 29·9	17·0 +	2 16·4	—

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