

RECORDS OF MILNE SEISMOGRAPH NO. 16, AT CHRISTCHURCH.

Latitude: 43° 31' 50" S. Longitude: 172° 37' 18" E. Time employed: Greenwich Mean Civil Time.

Time: G.M.C.T., as stated above. P.T. = Preliminary tremors less than 2mm. complete range; A.T. = After-tremors less than 2mm. complete range; B.E. = Beginning and end of vibrations not less than 2mm.; Amp. = Half-range in millimeters.

Date.	P.T. from	B.	Maxima.		Amp.	E.	A.T. till	B.P.	Remarks.
			From	To					
APRIL, 1907.									
7	H. m. 9 54.4	H. m. ..	H. m. 10 02.7	H. m. ..	Mm. ..	H. m. ..	H. m. Indefinite	Secs. ..	Followed by continuous tremors.
15	6 32.5	7 02.0	7 30.9	..	4.1	7 52.7	9 25.8	..	
18	21 11.4	21 39.8	21 48.6	..	1.5	22 00.5	22 50.6	..	
19	0 07.2	0 32.0	0 36.2	..	1.5	0 42.4	2 00.5	..	
20	2 13.5	..	2 21.8	..	1.3	..	3 27.0	..	
22	Indefinite	..	18 10.7	..	0.7	..	Indefinite	..	Small, and in middle of night tremors.
24	23 40.9	24 02.6	24 04.7	..	1.1	24 07.8	24 38.8	..	
MAY, 1907.									
4	5 58.3	6 08.7	6 18.0	..	2.7	6 22.1	Indefinite	..	A.T. obscured by night tremors.
9	8 29.9	..	8 33.0	..	..	..	8 37.2	..	Very slight.
12	Indefinite	8 04.6	8 06.1	..	1.1	8 25.2	Indefinite	..	P.T. and A.T. obscured by night tremors.
13	"	21 23.5	21 26.7	..	1.9	21 33.9	"	..	Ditto.
14	3 50.3	..	4 02.9	..	0.45	..	4 22.5	..	
17	1 22.6	..	1 24.6	..	0.4	..	1 31.8	..	Slight.
23	Indefinite	..	11 21.8	..	0.4	..	Indefinite	..	In middle of minute night tremors.
27	5 08.6	5 13.5	5 13.8 and 5 15.8	..	1.4	5 20.0	"	..	A.T. obscured by night tremors.
30	Indefinite	..	22 04.9	..	0.7	..	"	..	In middle of continuous tremors.
31	"	12 51.8	12 58.0	..	4.9	13 19.7	"	..	P.T. and A.T. obscured by night tremors.
JUNE, 1907.									
5	3 46.2	..	4 23.9	..	0.4	..	5 39.9	..	
13	9 57.2	..	10 10.7	..	0.7	..	11 48.9	..	
13	12 17.9	..	12 21.0	..	0.3	..	12 35.5	..	
18	9 06.3	..	9 07.9	..	1.9	..	9 17.7	..	Felt in towns south of Timaru.
19	17 28.6	..	..	..	..	..	17 33.8	..	Very small, carrot-shaped.
19	19 03.8	19 30.7	19 32.2	..	1.9	19 44.1	20 37.8	..	
27	Indefinite	22 43.0	22 49.2	..	6.0±	22 55.4	Indefinite	..	In middle of continuous tremors.
JULY, 1907.									
18	0 48.1	..	0 51.2	..	0.25	..	1 07.7	..	
18	5 06.7	..	5 10.8	..	0.8	..	5 44.6	..	
20	..	..	14 21.5	..	0.8	..	..	..	In middle of night tremors.
29	0 55.7	..	1 27.3	..	0.6	..	2 20.6	..	
29	19 51.4	..	20 11.0	..	0.4	..	20 44.1	..	
AUGUST, 1907.									
4	6 39.1	..	6 44.8	..	0.3	..	7 38.6	..	
5	7 02.7	..	7 04.7	..	0.3	..	8 12.9	..	
13	21 54.4	22 05.7	22 06.8	..	2.4	22 11.9	23 11.9	..	
16	3 57.7	..	..	..	..	..	..	..	Small, sudden.
18	6 17.6	..	6 21.7	..	..	..	6 32.1	..	Swelling.
19	6 09.5	..	6 16.8	..	..	..	6 30.2	..	Very small.
23	7 10.0	..	7 13.1	..	..	..	7 38.0	..	"
23	13 38.0	..	13 47.3	..	0.1	..	14 00.7	..	
28	19 20.8	..	19 23.9	..	0.3	..	20 10.4	..	
31	8 43.8	..	8 48.9	..	0.3	..	8 59.3	..	
SEPTEMBER, 1907.									
2	16 26.3	16 54.3	16 55.7	..	1.5	17 01.4	..	..	A.T. continued for two hours. ±
15	5 28.3	5 32.9	5 36.6	..	2.2	5 40.2	6 58.3	..	
24	6 00.7	..	..	..	..	..	6 32.8	..	Thickening of line.
24	16 58.6	..	17 03.8	..	1.4	..	17 32.7	..	
29	5 03.8	..	..	..	..	..	5 12.1	..	Swelling.
OCTOBER, 1907.									
2	1 35.6	..	2 05.8 and 2 07.7	..	1.9	..	3 24.9	..	
10	Indefinite	22 05.1	22 05.8	..	3.5	22 09.2	Indefinite	..	In middle of continuous tremors.
11	"	Indefinite	14 54.9	..	5.9	Indefinite	"	..	In middle of night tremors.
17	4 15.6	..	4 18.1	..	0.2	..	4 34.0	..	
17	9 00.2	..	9 02.3	..	0.4	..	9 10.4	..	