

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	R.	Maxima.		Amp.	E.	A.T. till	B.P.	Remarks.
			From	To					

APRIL, 1909.									
	H. m.	H. m.	H. m.	H. m.	Mm.	H. m.	H. m.	Secs.	
10	5 38.4	5 43.8	5 45.9 and 5 46.9	..	6.0	6 25.2	7 38.6	15.5	
12	1 14.3	1 18.5	1 22.6	..	3.95	1 37.1	2 43.3	..	
22	7 14.8	..	7 15.8	..	0.2	..	7 42.2	..	
27	12 54.7	13 09.0	13 19.3	..	6.8	13 43.8	14 56.1	..	

MAY, 1909.									
2	7 06.1	7 12.3	7 15.4	..	1.9	7 17.5	8 30.9	..	
2	..	..	15 24.4	..	..	..	..	..	Very slight.
2	18 20.3	18 25.4	18 29.6	..	2.5	18 34.2	19 17.2	..	
11	Indefinite	..	13 21.7	..	1.75	..	Indefinite	..	In middle of air tremors.
12	0 57.2	..	1 19.3	..	0.3	..	1 52.4	..	
17	8 20.2	..	8 31.0	..	0.9	..	9 56.9	..	
24	7 13.4	..	7 17.0	..	0.5	..	7 25.8	..	
25	4 59.7	..	5 27.6	..	1.1	..	6 08.0	..	
30	Indefinite	21 35.9	21 37.9	..	2.9	21 47.2	22 44.6	..	P.T. obscured by air tremors.

JUNE, 1909.									
8	18 52.7	19 24.8	19 37.7	..	2.2	20 04.1	21 45.0	..	
			6 11.8	..	..	..	..	..	
8	6 09.7	..	6 39.7	..	0.7	..	..	..	
			6 55.2	..	..	..	..	..	
			7 13.9	..	..	..	Indefinite	..	A.T. obscured by air tremors.
9	0 51.0	..	..	..	..	..	1 55.0	..	Very small; maximum at beginning.
12	20 25.5	20 29.1	20 34.3	..	7.5	21 01.7	22 01.7	..	
14	7 31.1	..	7 38.4	..	0.4	..	7 53.4	..	
15	1 19.8	..	..	..	..	..	2 00.1	..	Thickening merely.
26	9 35.6	..	9 36.6	..	0.1	..	9 39.7	..	
27	7 22.0	7 30.3	7 35.5	..	4.7	7 56.1	9 21.0	..	
28	Indefinite	..	15 29.0	..	0.7	..	Indefinite	..	P.T. and A.T. obscured by air tremors.

JULY, 1909.									
1	13 03.7	..	13 10.9	..	0.3	..	13 31.6	..	
2	6 25.9	..	6 28.5	..	0.1	..	6 57.0	..	
5	Indefinite	..	17 55.3	..	3.5	..	Indefinite	..	P.T. and A.T. obscured by air tremors.
			13 42.8	13 58.9	0.4	..	..	..	
10	13 40.3	..	14 11.3	..	..	..	14 13.4	..	
26	22 06.6	..	22 08.1	..	..	..	22 22.1	..	Slight thickening.
27	4 34.5	..	4 36.1	..	0.2	..	5 03.5	..	
30	11 16.5	..	11 16.5 and 11 31.2	..	0.8	..	13 50.7	..	First maximum at beginning of quake. (?) Origin, Mexico

AUGUST, 1909.									
4	6 18.3	..	6 20.4	..	0.1	..	6 24.5	..	
6	5 46.0	..	5 49.1	..	0.4	..	5 57.4	..	
10	6 56.1	..	7 01.2	..	0.25	..	7 17.8	..	
13	12 19.7	..	12 21.7	..	0.25	..	12 25.9	..	
16	7 54.6	..	8 17.7	..	0.4	..	8 36.6	..	
18	0 35.4	0 46.2	0 56.4	..	3.9	1 05.7	2 04.6	..	In progress while attending to instrument.
29	23 59.5	..	..	..	..	..	25 33.4	..	Thickening of line.

SEPTEMBER, 1909.									
8	8 11.2	..	8 18.4	..	0.35	..	8 29.7	..	
25	12 29.6	..	12 32.7	..	0.5	..	12 44.0	..	

OCTOBER, 1909.									
3	1 28.8	..	..	..	..	..	3 44.2	..	Thickenings.
4	13 53.2	..	14 07.0	..	0.9	..	Indefinite	..	A.T. obscured by air tremors.
21	0 45.5	..	..	..	..	..	1 40.4	..	Thickenings.
23	Indefinite	..	21 28.9	..	..	..	21 56.6	..	P.T. obscured by air tremors.
27	1 32.3	..	1 33.3	..	0.35	..	2 08.5	..	
30	10 33.8	..	11 02.0	..	0.9	..	Indefinite	..	A.T. obscured by air tremors.