

# Earthquake Records by Milne Seismograph Meridian Boom. Stonyhurst College Observatory.

Lat. 53° 50'.7 N., Long 2° 28'.2 W., Above Sea, 363 feet.

Time, Greenwich, 0 or 24 = Midnight.

Abbreviations on the other side.

Date	P <sub>1</sub>		P <sub>2</sub>		P <sub>3</sub>		Maximum		2 A	End		Boom Deviation, 1 mm = 2.20 arc Boom Period = 19 sec Pillar Inclination 1 mm = 0.41 arc
	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.	
<i>1915</i>												
<i>Jan.</i>												<i>January</i>
1	-	-	-	-	-	-	0 40.0	-	0.1	-	-	
3	-	-	-	-	-	-	1 36.	-	.2	-	-	
4	-	-	-	-	-	-	0 51.3	-	.3	-	-	
4	-	-	-	-	-	-	23 3.2	-	.3	-	-	
5	23 41.0		23 45.7		23 50.5		23 52.5		2.5	-	-	
"	-	-	-	-	-	-	24 18.5	-	2.0	-	-	
"	-	-	-	-	-	-	24 29.	-	1.9	26 15?		<i>followed by tw.</i>
"	-	-	-	-	-	-	-	-	-	-	-	
7	-	-	-	-	-	-	19 52.5	-	.2	-	-	
13	6 56.6		7 0.6?		7 1.4		7 2.7		31.6	9 22.		
27	1 15.3	e	1 19.4		1 22.8		1 24.9		5.0	3 3.		
<hr/>												
<i>Feb.</i>												<i>February</i>
10	-	-	-	-	-	-	4 39.3	-	.2	-	-	
11	-	-	-	-	-	-	8 47.5	-	.1	-	-	
25	-	-	-	-	-	-	9 45.	-	.1	-	-	
25	20 58.0		21 17.0		-		21 58.		.4	22 48.		
28	-	-	-	-	-	-	18 32.7	-	.1	-	-	
28	19 12.5	e	-	-	-	-	19 52.7		13.0	21 42?		
<hr/>												
<i>Mar.</i>												<i>March</i>
10	1 41.5	e	-	-	-	-	2 32.		.3	2 51.		
10	-	-	-	-	-	-	16 48.7		.1	-	-	
11	-	-	-	-	-	-	19 26.5		.4	-	-	
12	-	-	-	-	-	-	0 40.5		-	-	-	
12	15 1.0	e	15 16.5	e	15 42.5	e	15 45.5		1.9	17 26.		
13	-	-	-	-	-	-	13 11.5		-	-	-	
13	-	-	-	-	-	-	15 15.		-	-	-	
13	-	-	-	-	-	-	19 23.		-	-	-	
"	-	-	-	-	-	-	19 33.		-	-	-	
17	18 57.5	e	-	-	-	-	19 37.5		.5	20 23.		
18	1 56.0	e	-	-	-	-	2 13.8		.4	2 49.		
23	-	-	-	-	-	-	22 8.5		-	-	-	
26	5 50.0	e	-	-	-	-	6 15.		-	-	-	
"	-	-	-	-	-	-	6 24.		-	-	-	
"	-	-	-	-	-	-	6 30.		-	7 22.		

*Rev'd W. Sidgreaves, F.R.S.*

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	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.			
Apr. 1	-	-	-	-	-	-	14	43.	-	-	-	April		
2	-	-	-	-	-	-	11	24.5	-	-	-			
3	20	33. e	-	-	-	-	21	25.7	.3	23	20			
6	5	54.5 e	-	-	-	-	6	24.	.1	in tra.				
7	-	-	-	-	-	-	0	50.5	.1	-	-			
-	-	-	-	-	-	-	2	27.	-	-	-			
13	-	-	-	-	-	-	16	37.	-	-	-			
16	-	-	-	-	-	-	15	7.5	-	-	-			
-	-	-	-	-	-	-	15	39.5	-	-	-			
17	-	-	-	-	-	-	3	38.5	-	-	-			
20	-	-	-	-	-	-	1	7.	-	-	-			
-	-	-	-	-	-	-	1	35.	-	-	-			
22	-	-	-	-	-	-	1	30.	-	-	-			
22	19	9.7 e	19	18.8 e	19	53.5 e	19	54.5	.2	20	54			
-	-	-	-	-	-	-	58.3	.2						
23	15	41. e	15	50.6 i	-	-	Lost		-	17	26		by work in room	
25	-	-	-	-	-	-	0	37.5	.1	-	-			
26	-	-	-	-	-	-	3	32.	.5	-	-			
27	3	46.5 i	3	56.2 i	-	-	4	2.7	.5	4	37			
27	-	-	-	-	-	-	5	18.	-	-	-			
27	-	-	-	-	-	-	7	40.5	-	-	-			
27	-	-	-	-	-	-	22	33.	-	-	-			
30	2	14.3 e	-	-	-	-	2	27.6	.3	3	14.			
30	-	-	-	-	-	-	10	58.5	-	-	-			
May 1	5	11.1 i	5	21. i	5	44.5 i	5	51.	22.0	10	3.			May
1	-	-	-	-	-	-	15	18.6	1	-	-			
2	4	21. e	-	-	-	-	4	50.6	.4	-	-			
2	8	12.8 e	-	-	-	-	8	24.4	.2	9	6			
2	-	-	-	-	-	-	16	30.5	-	-	-			
2	-	-	-	-	-	-	19	27.7	-	-	-			
3	3	26.5 e	3	36.5 i	-	-	4	6.	.6	7.0	A greater max at change?			
-	-	-	-	-	-	-	12.	.5						
3	Lost in preceding				-	-	5	6.5	.6	-	-			
-	-	-	-	-	-	-	11.	.7	-	-	-			
3	Lost in prec.				-	-	6	7.5	.6	-	-			
-	-	-	-	-	-	-	11.	.5	.5	-	-			
5	11	39.4 i	-	-	-	-	12	24.	.6	-	-			
-	-	-	-	-	-	-	13	21.	.3	14.	7			
5	15	35.6 i	-	-	-	-	15	47.5	.4	17	33.			
-	-	-	-	-	-	-	58.5	.3						
6	12	31. i	12	42.1 i	-	-	12	50.3	.6	13	50			
8	14	12.1 i	14	16.8 i	14	27.2 i	14	32.5	1.0	in tra.				

Recd W. Sidgreaves S. J.

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M.—Maximum.

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Abbreviations on the other side.

Date 1915	P <sub>1</sub>		P <sub>2</sub>		P <sub>3</sub>		Maximum		2 A	End		Boom Deviation, 1 mm = 22.0" arc Boom Period = 20 sec Pillar Inclination 1 mm = 0.38" arc	
	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.		
May 14	6	50.5 e	7	4. e	7	26.6 c	7	35.	.2			May	
-	-	-	-	-	-	-	41.5	.2					
-	-	-	-	-	-	-	48.	.2		8	58.		
19	5	4. e	-	-	-	-	5	14.5	.5	5	38.		
21	4	35.7 i	4	39.2 i	-	-	4	50.9	1.7	6	8.		
21	-	-	-	-	-	-	18	39.3	.2	-	-		
29	-	-	-	-	-	-	0	59.	.1	-	-		
29	-	-	-	-	-	-	22	2.5	-	-	-		
June 1	14	35. e	-	-	14	55.5 i	15	11.4	1.6	16	47.	June	
1	-	-	-	-	-	-	19	21.5	-	-	-		
1	-	-	-	-	-	-	23	13.	-	-	-		
2	-	-	-	-	-	-	2	42.	-	-	-		
2	-	-	-	-	-	-	9	32.	-	-	-		
3	-	-	-	-	-	-	8	47.	-	-	-		
3	-	-	-	-	-	-	23	2.5	-	-	-		
4	-	-	-	-	-	-	0	49.5	-	-	-		
4	22	13. e	22	20.6 e	-	-	22	48.1	1.0	24	28		
5	-	-	-	-	-	-	17	38.7	-	-	-		
6	-	-	-	-	-	-	0	23.	-	-	-		
6	-	-	-	-	-	-	7	54.	-	-	-		
6	8	20.5 e	8	25.2 e	-	-	9	9.5	.4	10	9.		
6	21	43.	21	47.5	21	53.7	21	56.	3.2				
-	-	-	second shock		-	-	22	20.7	3.3		25		19.
7	-	-	-	-	12	49.5 e	12	53.5	.1	13	54.		
7	22	15. e	-	-	-	-	22	54.4	.6	23	37.		
11	-	-	-	-	-	-	16	34.5	.1	-	-		
16	-	-	-	-	-	-	10	27.5	-	-	-		
18	0	23. e	0	29.4 e	0	33.5 e	0	45.6	.3	1	19.		
20	-	-	-	-	-	-	20	49.4	-	-	-		
22	-	-	3	47. i	-	-	4	16.	.5	5	40.		
22	-	-	-	-	-	-	14	38.5	-	-	-		
23	-	-	4	34. e	-	-	4	42.5	.2				
-	-	-	-	-	-	-	5	39.2	.2				
-	-	-	-	-	-	-	5	44.	.2		6	7.	
24	-	-	5	31.2 i	-	-	5	37.	.3	5	56.		
27	15	45.5 e	-	-	-	-	16	19.	.8	17	23.		
29	14	39.5 e	-	-	-	-	14	55.7	.1	16	6.		

Rev'd W. Sidgreaves S. J.





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	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.	
<i>July</i>												<i>July</i>
2	-	-	-	-	-	-	14	18.2	.2	-	-	
8	22	43.5e	-	-	-	-	23	15.1	.7	24	10.	
12	-	-	-	-	-	-	3	5.5	-	-	-	
13	-	-	-	-	-	-	0	4.5	-	-	-	
13	-	-	-	-	-	-	20	15.	.1	-	-	
24	-	-	-	-	-	-	20	32.	.1	-	-	
25	-	-	-	-	-	-	21	35.6	.2	-	-	
31	1	44.0i	1	54.0i	2	11.2i	2	16.9	7.0			} 6 11.
"	-	-	-	-	-	-		25.3	5.0			
"	-	-	-	-	-	-		28.0	5.0			
"	-	-	-	-	-	-		35.0	4.0			
<i>Aug.</i>												<i>August</i>
2	-	-	-	-	-	-	8	8.7	-	-	-	
3	13	25.4e	13	36.3i	-	-	14	17.3	1.5	-	-	
"	-	-	-	-	-	-	15	19.8	.9	17	25.	
6	13	22.2e	13	34.1i	-	-	14	5.3	2.2	16	23.	
7	-	-	-	-	-	-	5	30.3	-	-	-	
7	15	8.3i	15	12.2i	15	15.7i	15	17.0	4.0	17	20.	
8	-	-	-	-	-	-	3	34.5	-	-	-	
10	0	54.5e	0	57.0i	1	0.0i	1	2.7	.6	1	35.	
10	2	5.6i	2	10.3i	2	14.5i	2	15.0	4.7	4	10.	
11	9	16.0i	9	19.8i	9	23.2i	9	24.5	2.4	10	45.	
12	8	3.0i	8	6.2i	-	-	8	48.5	.5	10	49.	
16	1	19.5e	1	29. i	-	-	1	54.8	.5	3	50.	
19	2	26.7e	-	-	-	-	3	3.5	.3	4	27.	
19	8	29.2i	8	53.1i	8	56.5i	8	58.2	2.1	10	20.	
31	21	16.5e	21	22.6i	-	-	21	43.5	.5		?	
<i>Sep.</i>												<i>September</i>
1	-	-	-	-	-	-	20	50.5	-	-	-	
12	0	20.5e	-	-	-	-	0	42.0	.2	2	23.	
12	21	0.0i	21	5.9i	-	-	21	12.4	2.0	23	11.	
20	-	-	-	-	-	-	23	24.	-	-	-	
23	8	32.0i	-	-	-	-	8	47.	0.3	-	-	
30	-	-	-	-	-	-	13	21.	-	-	-	
30	-	-	-	-	-	-	14	40.	-	-	-	

*Rev<sup>d</sup> W. Sidgreaves, F. J.*



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	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.	
Oct. 3	2	23.8 i	-	-	-	-	2	30.5	-	2	48.	October
3	7	3.6 i	7	13.0 i	7	23.0 i	7	31.0	15.0	after 11 <sup>h</sup>		
9	-	-	4	21. ? e	-	-	4	26.8	.5	4	46.	
10	-	-	-	-	-	-	7	9.0	.1	-	-	
11	2	55.5 i	3	2.1 i	-	-	3	8.0	.9	4	0.	
11	19	43.5 e	19	52.1 i	20	3.1 i	20	7.5	2.0	21	37.	
12	-	-	-	-	-	-	2	57.5	-	-	-	
12	21	42.5 ?	21	52.5 i	22	17.	22	20.	.7	22	58	
13	-	-	-	-	-	-	20	33.	-	-	-	
14	-	-	-	-	-	-	17	16.5	-	-	-	
14	-	-	-	-	-	-	19	29.5	.2	-	-	
15	-	-	-	-	-	-	17	44.	.1	-	-	
17	-	-	-	-	-	-	18	50.	.1	-	-	
17	-	-	-	-	-	-	23	53.5	.2	-	-	
20	-	-	-	-	-	-	0	10.	-	-	-	
23	-	-	-	-	-	-	3	11.8	.2	-	-	
31	-	-	-	-	-	-	9	48.	-	-	-	
31	-	-	-	-	-	-	16	3.5	.2	-	-	
Nov. 1	7	33.6 i	7	44.0 i	8	9.5 i	8	15.9	15.2	After 11 <sup>h</sup>	November	
1	-	-	-	-	-	-	16	30.0	.3	-	-	
4	3	31.7 i	-	-	-	-	4	1.0	.4	4	36.	
16	2	23.5 e	-	-	-	-	2	32.6	.1	-	Shutter failing	
16	-	-	-	-	-	-	3	29.5	.1	-	-	
18	4	14.5 e	-	-	-	-	4	57.	1.5	7	4.	
18	20	42.0 e	20	56.0 e	-	-	21	19.5	.5	22	24.	
21	0	34.6 i	0	43.2 e	-	-	0	54.8	4.5	3.2.	Shutter failing Times slow 10 <sup>s</sup>	
21	-	-	-	-	-	-	23	2.	.2	-	-	
22	-	-	-	-	-	-	5	15.5	.2	-	-	
25	-	-	-	-	-	-	17	15.	-	-	-	
30	5	14.4 e	-	-	-	-	5	31.	.3	-	-	
Dec. 3	3	0.5	-	-	-	-	3	29.2	2.3	4	18.	December
6	21	19.2 e	-	-	-	-	21	46.	.5	22	30.	Times slow - 20 <sup>s</sup>
7	10	46. e	10	55. e	-	-	11	6.8	1.1	-	-	" - 15 <sup>s</sup>
17	7	15.5	-	-	-	-	7	40.1	3.0	-	-	" - 15 <sup>s</sup>
17	-	-	-	-	-	-	19	39.8	.2	-	-	" - 18 <sup>s</sup>
18	-	-	-	-	-	-	19	11.3	-	-	-	-
19	21	11.7 i	-	-	-	-	21	19.7	.2	21	54.	-
24	-	-	-	-	-	-	1	8.5	-	-	-	-
26	-	-	-	-	-	-	10	57.3	.5	-	-	-
28	23	52.4 e	24	2.5 i	-	-	24	29.8	1.1	25	43.	Times slow - 10 <sup>s</sup>
31	-	-	12	40.7 i	-	-	13	1.4	1.0	-	-	" " - 10 <sup>s</sup>

Rev<sup>d</sup> W. Tidgreaves, F. J.

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