

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 1912	P ₁		P ₂		P ₃		Maximum		2 A	End		Boom Deviation, 1 mm = $\frac{1}{10}$ arc Boom Period = 18 sec. Pillar Inclination 1 mm = $\frac{1}{40}$ arc
	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.	
Jun.												
4	-	-	-	-	-	-	16	43.5	1.5			
-	-	-	-	-	-	-		49.	1.1	19	13.	
15	-	-	-	-	14	38.0 e	14	44.5	< .1			Cl. stopped 14 57.
17	-	-	15	34.2 e	-	-	15	49.	.1			Many small maxima
-	-	-	-	-	-	-	-	-	-			before and after.
20	-	-	4	30.7 e	5	6.2 e	5	14.5	.5			
-	-	-	-	-	-	-	5	22.5	.6			
21	-	-	-	-	3	7. e	3	11.5	< .1			
24	16	28.2 i	16	32.3 i	16	36. i	16	37.6	4.5	17	39.	
25	-	-	20	0.7 e	20	6. e	20	9.5	.5	20	29.	
26	-	-	15	15.5 e	15	20.5 e	15	26.9	.9	16	0?	Preceded by inter-
-	-	-	-	-	-	-	-	-	-	-	-	mittent tremors.
31	20	25. e	20	31.5 e	20	35.5 e	20	51.5	.6	23	30.	Many other max.
Feb.												
13	8	9.5 e	8	13.4 e	8	15.1 e	8	20.0	0.5	8	38.	
15	3	39. e	3	43.5 e	3	48.1 e	3	57.	.1	3	58.	
16	10	16. e	-	-	-	-	10	53.	.1	?		End after 11 30 at change.
19	23	27.2 e	-	-	23	27.2 e	23	32.5	.5	23	41.	
(25)	3	27.	-	-	-	-	4	20.4	< .1	-	-	
20)	-	-	13	47.8 e	13	57.9 e	13	53.4	0.5	14	17.	
Mar.												
8	15	13.5 e	-	-	-	-	15	21.5	< .1	15	40.	
13	9	24.5 e	-	-	-	-	9	53.5	.1	10	0.	
14	-	-	-	-	7	21.3 e	7	24.7	< .1			
-	-	-	-	-	-	-		37.	< .1	7	43.	
19	-	-	-	-	-	-	15	19.5	-			
21	-	-	-	-	-	-	15	8.2	-			
24	-	-	-	-	-	-	13	20.	-			
25	-	-	-	-	-	-	15	9.	-			Rev. W. Sidgreaves, S.C.

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 ₁		P ₂		P ₃		Maximum		2 A	End		Boom Deviation, 1 mm = 1.25" arc
	H.	M.	H.	M.	H.	M.	H.	M.	mm	H.	M.	Boom Period = 17 sec
												Pillar Inclination 1 mm = 4.41" arc
1912												
April												
1	0	8.6	-	-	-	-	-	-	-	0	39.	
9	14	15.5	-	-	-	-	14	23.	-	14	43.	
15	0	1.5	-	-	-	-	-	-	-	0	55.	
-	-	-	23	36 ^x	-	-	23	42.	-	23	50.	x = phase uncertain
17	4	16.50	-	-	-	-	4	39.	.5	5	4.	
20	2	3.50	-	-	-	-	2	53.5	.4	4	4.	
21	3	4.0	-	-	-	-	3	24.	-	3	28.	
23	-	-	-	-	22	36.70	22	39.2	.2	23	13.	
29	-	-	15	46.6 ^x	-	-	15	59.2	.6	16	13.	
May												
1	-	-	-	-	13	31.0	13	35.	-	13	53.	
3	20	55	-	-	-	-	20	17.7	-	20	38.	
6	-	-	19	4.9 i	19	8.4 i	19	10.7	29.8	21	45.	
-	22	6.5 i	-	-	-	-	22	22.4	.1	22	53.	
7	-	-	10	17.5 i	10	21.3 i	10	23.0	.5	10	32.	
11	5	20.3	-	-	-	-	5	47.	-	6	9.	
-	17	50.5 i	-	-	-	-	18	19.5	.2			
-	-	-	-	-	-	-	18	42.	.2	20	5.	
-	21	15.5 ^x	-	-	-	-	21	19.5	.1	21	27.	
14	15	15.6 ^x	-	-	-	-	15	23.5	.2	15	28.	
15	0	34.0	-	-	-	-	1	5.	.2	2	31.	followed by 6 other max ^s
17	16	49.9 i	16	54.2 i	16	56.0	16	59.	.6	17	41.	
18	22	8. ?	22	15.3 i	22	32.2 i	22	35.5	.4	22	51.	
21	8	52.5 i	8	57.9 i	9	17.7 i	9	19.3	.6			Tsingtau (Z.K.W.) 8 34.
-	-	-	-	-	-	-	9	24.6	.6	11	25.	
23	2	36.6 i	2	46.4 i	3	7.2 i	3	12.8	34.0			Complete interference
-	-	-	-	-	-	-	3	18.1	26.0	7	24.	at 3 14.5 Tsingtau etc.
25	-	-	18	5.1 ^x	-	-	18	18.2	1.0	18	55.	
28	13	14.7 i	-	-					.5	15	42.	4 max ^s of 2 A .5 mm.
June												
1	0	54.5 i	-	-	-	-	1	8.	.2	21	18.	
2	12	45. i	-	-	-	-	13	25.7	.1	13	50.	Tremors 14 6 16 14 25
3	13	14.5 i	-	-	-	-	13	22.5	.1			
-	-	-	-	-	-	-	-	28.4	.1	14	35.	
5	12	16.4 i	-	-	-	-	12	31.5	.2	13	44.	
7	18	52. i	-	-	-	-	19	7.3	.5			
-	-	-	-	-	-	-	-	50.1	.5	21	12.	
8	7	16. i	-	-	-	-	7	31.5	.5			
-	7	56. i	8	4.	-	-	8	13.3	2.5			ending in the following
-	-	-	-	-	-	-	-	-	-			
-	13	18.4 i	13	25.4 i	13	35. i	13	41.	.6			
-	-	-	-	-	-	-	13	55.	.5	14	55.	
-	15	30. i	-	-	-	-	15	45	.1	15	57.	
9	22	45. i	-	-	-	-	22	57.4	.1	23	40.	
10	16	28.5 i	16	33.4	-	-	16	47.6	2.4	19	31.	
12	7	30.5	-	-	-	-	7	48.6	.1	9	2.	
-	-	-	-	-	-	-	-	-	-	-	-	several other max ^s nearly equal.
-	12	55.5 i	13	5.4	-	-	13	35.	1.4	15	52.	
15	1	6.5 i	-	-	-	-	1	17.5	.1	1	30.	
-	19	5.1 i	-	-	-	-	19	11.	.1	19	18.	
16	18	31.2 i	-	-	-	-	18	37.	.5	18	45.	
18	12	15.5 i	12	45. i	12	45. i	12	57.3	3.0	14	43.	
26	17	11.5 i	-	-	-	-	17	40.3	.5	18	45.	
27	21	57. i	-	-	-	-	22	12.	.1	22	50.	
29	8	15.3 i	-	-	-	-	8	47.5	.2	9	40.	

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

Lat. $53^{\circ} 50' 7''$ N., Long $2^{\circ} 28' 2''$ W., Above Sea, 363 feet.

Time, Greenwich, 0 or 24 = Midnight.

Abbreviations on the other side.



Date	P ₁	P ₂	P ₃	Maximum	2 A	End	Boom Deviation, 1 mm = 1 mm arc	Boom Period = 17 sec.	Pillar Inclination 1 mm = 41" arc
1912	H. M.	H. M.	H. M.	H. M.	mm	H. M.			
July									July.
6	14 29.	-	-	14 33.	0.1	14 57.			
7	8 12.5	8 16.4 i	8 23.3	8 35.1	4.1				after 11 35 in "change"
"	-	23 11.5 i	-	23 34.	.2	24 2.			
8	-	17 28.5 e	-	17 39.	.2				
"	-	-	-	43.	.1	17 56.			
"	22 12.1 i	-	-	22 34.	.8				
"	-	-	-	42.	.5	24 4.			
9	8 36.3 i	8 43.5	-	8 54.5	.5				
9	-	-	-	9 1.0	.2	9 43.			
18	21 49.8 e	-	-	22 22.5	.4	23 58.			
19	22 57.3 e	-	-	23 10.	<.1	23 15.			Air tremors?
20	14 7.5 i	-	-	14 27.	.5	15 3.			
24	12 13.6 ?	12 23.5 i	-	12 50	1.7	14 57.			
25	23 31. i	23 45. i	24 9.5 ?	24 24.2	1.4	26 7.			
26	3 0.5 e	-	-	3 39.	.4				
"	-	-	-	46.	.5				
"	-	-	-	55.	.3	5 17.			
26	8 20.4 i	-	-	8 57.	.3				after 10 h.
Aug.									August
4	22 6.6 i	-	-	22 17.	.5	22 52.			
6	13 52. i	-	-	14 28.	.5				
"	-	-	-	31.5	.5	15 2.			
"	21 34.5 i	-	-	22 30.7	.6	23 55.			
9	1 35.5 i	1 39.9 i	1 43.3 i	1 44.	>30.0				Max indicated on
"	-	-	-	45.					Magnetogram at 1.45.
"	-	-	-	1 47.5					South of Sea of Marmora.
"	-	-	-	1 50.					
"	-	-	-	1 56.5	28.0				
"	-	-	-	1 59.5	27.0	5 55.			
10	9 24.4 i	9 34.4	9 38.	9 44.5	1.1	10 42.			
"	18 40.7 e	-	-	-	<.1	19 0.			
"	22 58. e	-	-	23 15.	.5	24 45.			
17	19 26.5 e	-	-	-	-	29 5.			part of next?
"	21.4 i	19 40.6 i	20 10. i	20 21.8	10.5	22 56.			
18	8 41.3 e	-	-	8 50.7	.1	9 10.			
"	19 26.4 e	-	-	19 33.	.1	19 49.			
"	22 17.1 e	-	-	22 22.7	.5	22 43.			
19	16 45.5 e	-	-	17 43.6 1/2	<.1				
"	-	-	-	45		18 39.			Air tremors?
22	17 53.5 i	-	-	18 32.	.5				
"	-	-	-	37.	.5				
"	-	-	-	45.	.2	19 56.			
23	14 19.8 i	-	14 34.2 i	14 37.2	1.0				
"	-	-	-	43.7	1.0	15 40			
30	18 43.6 e	-	19 5.7 e	19 11.0	.1	19 43			
31	22 44.6 e	-	23 3.6 e	23 16.	.4	24 14			Rev. W. Sidgreaves, Sec.

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

Lat. $53^{\circ} 50'.7$ N., Long $2^{\circ} 28'.2$ W., Above Sea, 363 feet.

Time, Greenwich, 0 or 24 = Midnight.

Abbreviations on the other side.



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

Lat. $53^{\circ} 50'.7$ N., Long $2^{\circ} 28'.2$ W., Above Sea, 363 feet.

Time, Greenwich, 0 or 24 = Midnight.

Abbreviations on the other side.

International
Seismological
Centre

Date	P ₁	P ₂	P ₃	Maximum	2 A	End	Boom Deviation, 1 mm = 220" ar	Boom Period = 18.5 se	Pillar Inclination 1 mm = 0.43" ar
1912	H. M.	H. M.	H. M.	H. M.	mm	H. M.			
Nov.									November
2	-	-	3 27.6e	3 30.8	.4				
"	-	-	-	36	.4	3 58.			
"	-	4 33.8e	-	4 42.5	.1	4 50.			
"	-	-	21 58.5e	22 5.	.1	22 10.			
3	-	-	6 50.5e	6 56.	.3				
"	-	-	-	7 3.	.3	7 11.			
7	7 51.5i	7 54.8e	8 0.5i	8 07	4.1				
"	-	-	-	50	2.9				
"	-	-	-	10.83	6.1	11 36.			
"	17 7. i	-	-	17 31.	1.2	?			End in following
"	?	-	-	18 16.	2.0	19 40.			Began in preceding
17	?	-	-	12 21.5	.5	?			In tremors
29	14 14.	-	-	-	-	14 54.			Tremors
30	-	3 12.8e	3 24. i	3 27.5	.1	3 38.			
Dec.									December
1	8 59.0?	-	-	9 22.?	4.0	10 0.			Time shutter failed
5	-	12 47.5i	-	13 12.	.1	15 25.			
"	16 27.8e	-	-	16 41.5	< .1	16 56.			
6	15 17.5e	-	-	15 39.5	< .1	15 52.			
7	22 59. e	23 8.7 i	23 12.6 i	23 15.	.5	24 43.			
9	0 11.3 i	0 16.6 i	0 35.4 i	0 38.	.6	2 30.			
"	8 43.5 i	8 53.5 i	-	9 19.5	3.0	11 41.			
24	0 21.	-	-	1 3.	.5				
"	-	-	-	107	.5	2 32.			
"	-	-	-	18 59.	1.4				Beginning lost in
"	-	-	-	19 6.	.6				Wind tremors.
28	8 25. e	-	-	9 5.	.6	10 5.			
29	-	-	-	22 49.5	.1				

Rev. W. Sidgreaves, Sec.

Stonyhurst College Observatory
Seismic Register, Nov.-Dec. 1912.

Erratum: -

For 16 14, Dec. 5, read 18.