

DURHAM UNIVERSITY OBSERVATORY.

SEISMOGRAMS. 1933 January 1 to 1933 June 30.

January 7	M.	4-52	
January 9	\cancel{P} S	2-17-28	
	?	2-19-52	
January 14	✓ P.	8-30-32	
January 21	M.	20-23-40	
January 23	M.	18-58	
January 27	?	22-59-3	\cancel{PP}
	?	22-59-45	= PKS-45.
	M.	23-44	
February 13	?P.	3-10-56	x
	?S.	3-18-5	x
	M.	3-28-30	? Δ = 49.9 Δ should be 54.9
February 22	M.	18-31-30	
February 23	?P.	8-22-17	(-2)
	?S.	8-33-39	(+7) \cancel{PP} .
	?	8-34-10	
	M.	9-1	? Δ = 96.6 Δ should be 94.7
February 25	M.	23-39	
March 2	P.	17-43-17	(-1)
	PR,	17-45-58	
	?S.	17-53-40	(+4) ? Δ = 83.7 Δ should be 81.8
March 3	M.	10-0-30	
March 11	?P.	2-15-46	no S-2
	M.	2-35-30	
	?	14-44-4	S-5
	M.	15-10-15	
	?	19-55-11	S-11
	?	19-58-40	
	?	20-1-40	
	M.	20-30	
March 14	M.	1-33-50	

SEISMOGRAMS. 1933 January 1 to 1933 June 30. (Continued)

March 17	M.	16-46		
	M.	20-33		
March 23	M.	18-15-30		
April 1	M.	16-55		
April 9.	M.	3-33-30		
April 16	M.	20-30		
April 19	M.	7-42		
April 23	P.	6- 3-13 ✓		
	?	6- 7-12		
	?S.	6- 7-48 ✓	yes S	? Δ = 26° 4
	?	6- 8- 1	large.	
	M.	6-13-15		
April 25	M.	22-48		
April 27	?eP.	2-46-25	P	
	?iP.	2-46-31	(0-c)	? Δ = 62° 1
	S.	2-54-50	(+3).	
	W ₂ .	5-14		
	M.	12-40		
April 28	M.	22-46		
May 4	M.	0-28	not seismic	
May 5	M.	4-56	not seismic	
May 8	?P.	10-46- 5	(0-c) +4	
	?S.	10-56-27	+12	? Δ = 83° 5
	M.	11-22-40		
May 11 May 11	P.	19-14-42 ✓		
	PR ₂ .	19-15-16		
	S.	19-18-39 ✓		? Δ = 22° 1
	SR ₃ .	19-19-53		
	M.	19-22-40		
May 19	P.	18- 7-55		
	PR ₂ .	18-11-20		Δ = 56° 5
	S.	18-15-45	-5	
	M.	18-32-40		
June 1	M.	2-53-40		
June 2	?P. ho.	8- 1-42	= 5-6 sec	
	M.	8-35		

SEISMOGRAMS. 1933 January 1 to 1933 June 30. (Continued)

June 3	?P. No 17-32-10	17-32-10	S-16secs	
	M.	18-5-30		
June 6	?P. No	2-52-26	S-8 secs.	
	M.	3-21		
June 7	?	12-2-49	unknown	
	?	12-7-20	S-2secs.	
	M.	12-32-40		
June 10	?	12-10-11	P-6secs.	
	M.	12-15-30		
	?M.	14-25		
	?M.	16-40		
June 13	?P.	20-55-55	No S	
	?S.	21-5-36	unknown.	? $\Delta = 75^{\circ}6$
	M.	21-19		
	?P.	22-30-10	✓	
	?S.	22-38-35	S+5secs.	? $\Delta = 62^{\circ}1$
	M.	22-56		
June 18	P.	21-49-57	+4	
	?PR ₁ .	21-53-5		
	?PR ₂ .	21-54-56	unknown	
	S.	22-0-7	-4	$\Delta = 81^{\circ}0$
	M.	22-21		
	?SR ₁ .	22-5-23	unknown	
June 19	M.	19-27		
June 24	?P.	22-11-50	unknown	
	PR ₃ .	22-19-52	= SKKS - 16secs.	
	S.	22-23-6	unknown	? $\Delta = 95^{\circ}1$
	M.	22-43-30		
June 25	M.	21-24		
June 27	M.	16-51		
June 29	M.	17-4-30		
	M.	18-40		

DURHAM UNIVERSITY OBSERVATORY.

SEISMOGRAMS.

1933 July 1 to 1933 December 31.

July 9	P.	1-42- 0	$\Delta = 77^{\circ} 4$
	S.	1-51-50	
	M.	2-22-30	
July 9	P.	12-42-35	$\Delta = 77^{\circ} 5$
	S.	12-52-26	
July 9	M.	17- 0- 0	
July 10	M.	4-10-50	
July 19	?P.	11-36-20	
	?M.	11-45	
	?M.	14-23	
	?M.	15-50-30	
July 19	P.	20-12-47	$\Delta = 29^{\circ} 0$
	S.	20-17-42	
	L.	20-22-13	
	M.	20-25-20	
July 21	?eP.	20-26-11	? $\Delta = 76^{\circ} 4$
	?S.	20-35-56	
	M.	21- 5-30	
July 22	P.	21- 6-41	$\Delta = 72^{\circ} 2$
	S.	21-16- 3	
	?PS.	21-16-46	
	M.	21-38	
	W ₂	23-32	
July 24	?eP.	19-18-11	
	M.	20-10	
July 31	M.	11-48	
August 13	M.	10-37	
August 15	?.	0-54-41	
	M.	0-58-20	
August 20	M.	12-43	
August 22	M.	12- 6-40	

SEISMOGRAMS. 1933 July 1 to 1933 December 31. (Continued)

August 25	P.	8- 1-56	
	S.	8-11-22	$\Delta = 72^{\circ}9$
	M.	8-32	
August 26	?eP.	20-27- 8	
	M.	20-29-30	
August 28	?P.	22-35- 3	
	?	22-39- 3	
	?	22-44-30	
	?	22-49-24	
	?	22-55-57	
	M.	23-22	
August 29	?P.	15- 6-35	
	?S.	15-13-41	? $\Delta = 49^{\circ}4$
	?	15-14- 9	
September 2	?P.	16-55- 8	
	?S.	17- 3-10	? $\Delta = 58^{\circ}4$
September 6	?P.	22-27-10	
	?	22-40-50	
September 21	M.	10-39	
September 24	?P.	15-31-10	
	?S.	15-40-34	? $\Delta = 72^{\circ}6$
	M.	16- 0- 0	
September 25	?P.	19- 1-30	
	?	19- 5- 6	
	?S.	19- 9-45	? $\Delta = 60^{\circ}5$
	?	19-15- 7	
	M.	19-25	
September 26	P.	3-37-16	
	S.	3-40-25	$\Delta = 17^{\circ}2$
October 2	?P.	15-42- 9	
	?S.	15-52-33	$\Delta = 83^{\circ}9$
October 5	?	5-59-38	
	?	6-29-50	
	M.	6-32-40	
October 5	?P.	13-44-37	
	?S.	13-48- 8	$\Delta = 19^{\circ}4$
	M.	14- 3	

SEISMOGRAMS.

1933 July 1 to 1933 December 31. (Continued)

November 20	P.	23-28- 5	
	?	23-28- 8	
	S.	23-33-15	$\Delta = 31^{\circ}2$
	M.	23-41	
	η_2	2-34	(on November 21)
November 22	?	13- 3-20	
	M.	13-54	
November 28	?P.	11-24-29	
	?S.	11-27-57	
	M.	11-35	$? \Delta = 19^{\circ}1$
November 29	M.	19-51	
December 2	M.	21-20	
December 13	?	21-46-25	
	M.	22-12	
December 14	?M.	1-59-30	
	?M.	8- 5-30	
December 15	P.	7-46-17	
	S.	7-49-53	
	M.	7-52-40	$\Delta = 19^{\circ}9$