

Geophysics Library



SEISMOLOGICAL BULLETIN

1911

OBSERVATORY
ST. IGNATIUS COLLEGE
Cleveland, O., U. S. A.

Frederick L. Odenbach, s.J.
Director.

Latitude $41^{\circ} 29' 08''$ N
Longitude $81^{\circ} 42' 29''$ W
Altitude 206 m.
Geological formation
Glacial drift 105 ft.

Wiechert Horiz. 80 Kg.
Magnification 80.
Period 7 sec.
Damping, 5:1.
Time: Greenwich 0-24

(Time: By wireless from Washington)

Observatory Press

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Date.	Phase	Time			Period s	Amp. MM	Remarks
		H	M	S			
Jan. 3	N P	24	39	12			
	S	23	50	32	30		
4	L	0	11	22	20	4.5	
	M	0	22	00		6.5	
	F	1	58	00			
	E P	23	39	20			
	S	23	50	20			
	L	0	11	15	25		
	M	0	17	30		4	
	F	2	9	00			
Feb. 5	E P	4	30	00			N covered by wind
	L	4	35	25			
	M	4	38	36			
	F	4	57	00			
7	E M	2	23	00			
	F	2	35	00			
17	N M	2	48	00			
	F	2	49	30			
17	N M	14	37	40			E very faint
	F	14	40	00			
18	N P	19	5	25			
	S	19	27	00		1.5	
	L	19	39	00	20		
	F	20	15	00			
	E S	19	24	30			
	L	19	39	00	20	1	
F	20	13	00				

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Date.	Phase	Time			Period s	Amp. MM	Remarks
		H	M	S			
Mar. 4	E L	17	16	00	20	1	3 Waves
		17	17	00			
Apr. 7	e	18	37	00	20	.5	
		18	46	00			
	M	18	43	00			
10	N P e	18	49	00	20	1	
	S	18	54	25			
	L	18	57	10			
	C	19	06	00			
	F	19	22	00			
	E P e	18	49	10			
	S	18	54	40			
L	18	57	00	20	1		
M	19	02	00				
C	19	07	00				
F	19	15	00				
11	Trace	12	18	00			
28	N P	3	57	05	20	1	
	S	4	05	00			
	L	4	06	35			
	M	4	07	00			
	F	4	25	00			
	E P	3	57	05			
	M	4	07	00			

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Date.	Phase	Time			Period s	Amp. MM	Remarks	
		H	M	S				
May 4	N P e	23	47	35	3.5			
	L	23	57	00				
	M	23	57	00				
	5	C	0	26				00
	F	0	59	00				
4	E P e	23	47	35	9	5		
	L	23	57	00				
	M	23	57	00				
	5	C	0	37				00
	F	0	59	00				
10	L	0	31	00				
	F	1	00	00				
	M	0	42	00				
June 7	E P	5	07	15				
	S	5	14	00				
	L	5	21	00				
	M	5	31	00				
	F	6	00	00				
15	N P	14	43	00		4		
	S	14	51	45				
	L	14	53	00				
	M	15	12	00				
	F	16	41	00				
July 1	N P	22	10	55	12	7		
	L	22	16	45				
	M	22	18	00				
	F	22	53	00				

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Date.	Phase	Time			Period s	Amp. MM	Remarks
		H	M	S			
July 12	nP	4	28	30			
	L	5	11	00		3	
	F	6	16	00			
Aug. 16	nPe	23	09	10			
	L	23	36	00			
	M	23	44	00	16	4	
	17	F	1	00	00		
16	ePe	23 23	32	17 00			
	L	23	41	00			
	M	23 23	41	31	16	4	
	17	F	0	15	00		
Sep. 15	nPi	13	20	16			
	S	13	29	00			
	L	13	42	14	21	1.5	
	M	13	43	00			
	F	14	00	00			
	ePe	13	20	00			
	S	13	29	00			
	L	13	40	00	21	.5	
	M	13	43	00			
	F	13	50	00			
17	nPe	3	46	12			
	S	4	02	07			
	L	4	07	00			
	M	4	08	00	1.5	4	
	F	5	05	00			

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Date.	Phase	Time			Period s	Amp. MM	Remarks			
		H	M	s						
Sep. 17	ePe	3	49	00	15	2				
	S	4	03	00						
	L	4	07	00						
	M	4	08	55						
	F	5	00	00						
22	nPe	5	09	30			Covered			
	S	5	16	00						
	L	5	24	15						
	M	5	25	10						
	F	5	52	30						
	P									
	S	5	16	00						
	L	5	24	00						
	M	5	25	00						
	F	5	40	00						
	Oct. 6	nPi	10	22				31	13	3
S		10	27	00						
L		10	29	20						
M		10	30	00						
F		11	12	00						
ePe		10	22	31						
S		10	27	00						
L		10	29	10						
M		10	34	25						
F		11	00	00						
						6 - 10				
						5				

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Date.	Phase	Time			Period s	Amp. MM	Remarks
		H	M	S			
Oct. 10	nPi	13	24	00			
	S	13	27	00			
	L	13	30	37	10		
	M	13	32	00		2	
	F	13	57	10			
	ePi	13	23	16			
	S	13	26	10			
	L	13	28	37	10		
	M	13	28	53		3.5	
	F	14	00	00			
13	nPe	3	11	00			
	M	3	23	00	14	1	
	F	4	00	00			
14	nL	17	11	00			
	M	17	15	00	.75	10	
	F	17	13	00			
Nov. 13	rL	16	46	00			
	M	17	12	00			
	F	17	55	30			
20	rL	14	01	30			
	M	14	04	30		2	
	F	14	35	00			
25	eP	19	45	00			
	L	19	49	00		2	
	M	19	49	30			

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Date	Phase	Time			Period s	Amp. MM	Remarks
		H	M	S			
Dec. 16	nP	19	20	29		16	
	S	19	25	19			
	L	19	31	20			
	M	19	34	45			
	F	21	47	45			
	eP	19	20	23			
	S	19	25	36			
	L	19	29	00			
	M	19	35	05			
	F	21	41	00			
20	nL	20	20	00		.5	
	F	21	00	00			
22	nL	13	00	00		2	
	F	14	00	00			
23	eL	20	01	30			
	M	20	01	45			
	F	20	08	00			
	nP	21	11	20	17	2	
	L	21	25	30			
	M	21	28	00			
	F	21	45	00			