

Jesuit Seismological Service

RECORD

OF THE

Earthquake Station, Sacred Heart College

DENVER, COLO., U. S. A.

ALTITUDE: 1655 Met.
LONGITUDE: 104° 56' 54" W. Gr. LATITUDE: 39° 40' 36" N.
TIME: Mean Greenwich, midnight to midnight.
INSTRUMENT: Wiechert 80 Kg., astatic, horizontal pendulum.
NOMENCLATURE: International

FROM February 1st TO Febr. 28th

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
			h.	m.	s.		s.	AN	
									<i>No quakes recorded by our instruments in February.</i>

A. W. Horstall S.J.

1919

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FROM March 1st TO March 31st

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
			h.	m.	s.		s.	AN	
14		In	18	40				Very strong activity at intervals during day. Stronger on N-S.	
		Fn	22	30					
15		In	19	42				Distinct but too small to be analyzed.	
		Fn	19	51					
23		In	2	27				Small and indistinct.	
		Fn	2	37					
31		In	12	10				Distinct activity, especially at hour marked. Somewhat doubtful as to being seismic.	
		Fn	12	40					

H. W. Forstall Jr.

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FROM APRIL 1ST TO APRIL 30TH

DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An.	Ae.		
							M.	M.		
3		Ln	1	3					Sinusoidal-small amplitude. Large period.	
		Mn	1	7						
		Fn	1	12						
5		Ln	1	8					Irregular Sinusoidal.	
		Fn	1	15						
17		Le	21	3					Very indistinct. Prelim. not discernible.	
		Ln	21	3						
		Me	21	11						
		Mn	21	4						
		Fe	21	22						
		Fn	21	24						
18	II.i.	Pn	?	?					1st Prelim. on N-S not discernible.	
		Pe	22	8						
		Ln	22	11		9	5.5			
		Le	22	11		10	0.5			
		Mn	22	14			5.5			
		Me	22	13			5.5			
		Fn	22	22						
		Fe	22	22						
30	III.r.	Pn	7	39					2nd Prelim. obscured by minute marks.	
		Pe	7	39						
		Sn	7	45	30					
		Se	?	?						
		Ln	7	59		15	2.1-2			
		Le	7	57		15	3-2			
		Mn	8	8		21	2.1			
		Me	8	8		20	3-2			
		Fn	9	12						
		Fe	9	11						

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FROM MAY 1ST TO MAY 31ST

DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An. In. M.	Ae.		
3	I.r.e.	Ln	1	31					Preliminaries not discernible. Weak and irregular on both components.	
		Le	1	35						
		Cn	1	36						
		Ce	1	42						
		Fn	2	00						
		Fe	1	50						
6	I.r.e.	Pn	20	28					Preliminaries not discernible. Waves on N-S are very weak and indistinct.	
		Pe	20	28						
		Sn	?							
		Se	?							
		Ln	?							
		Le	20	40		15				
		Mn	20	32			1			
		Me	20	41		15		1		
		Cn	?							
		Ce	20	47						
		Fn	21	3						
		Fe	21	8						
31		Le	12	20					Distinct wavelets on E-W.	
		Fe	14	4						

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FROM SEPTEMBER 1ST. TO SEPTEMBER 30TH.

DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An.	Ae.		
15	II. v. i.	Pn	16	33						Heavy machinery in motion nearby during first portion of record.
		Pe	16	33						
		Sn	?							
		Se	?							
		Ln	16	38	30	4 - 5	4.5			
		Le	16	38	30	4 - 5	4.5			
		Mn	16	38			4.5			
		Me	16	39			6.5			
		Cn	16	40						
		Ce	16	40						
		Fn	16	40	30					
		Fe	16	40	30					
20										Wavelets at intervals during day.

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F. A. BAUTSCH, S. J.,
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FROM AUGUST 1ST TO AUGUST 31ST

DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An.	Ae.		
9	u.e.	L	5	21						Sinusoidal.
		F	5	24						
10			3-5	5						Activity. Stronger on N-S.
22			3-9	9						Activity on E-W.
27-28			11-1	1						Activity on E-W. Sinusoidal; long period; small amplitude.
31										Wavelets at intervals during the day.

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DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An.	Ae.		
								<i>m. m.</i>		
15	II. v. i.	Pn	16	33					Heavy machinery in motion nearby during first portion of record.	
		Pe	16	33						
		Sn		?						
		Se		?						
		Ln	16	38	30	4 - 5	4.5			
		Le	16	38	30	4 - 5	4.5			
		Mn	16	38			4.5			
		Me	16	39			6.5			
		Cn	16	40						
		Ce	16	40						
		Fn	16	40	30					
		Fe	16	40	30					
20									Wavelets at intervals during day.	

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FROM OCTOBER 1ST.

To OCTOBER 31ST.

DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An.	Ae.		
								<i>M. N.</i>		
1	I.i.	Le	19	36	30				Preliminary not discernable. Distinct wavelets at intervals during day.	
		Ln	19	36	30					
		Me	19	37		6		2		
		Mn	19	37		6	2.8			
		Fe	19	38						
		Fn	19	38						
10	I.e.	Le	1	15		12			Regular Sinusoidal. Preliminary and maximum not discernable. Wavelets very clear at intervals during day.	
		Ln	1	15		?				
		Fe	1	35						
		Fn	1	35						
12-13								Distinct activity at intervals during day.		
15-16								Wavelets visible at intervals during day.		
20-21								Thickening of penmarks at intervals during day. Doubtful as to being seismic.		

Director:

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19 19

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FROM DECEMBER 1ST. TO DECEMBER 31ST.

DATE	CHAR.	PHASE	TIME			PER. s.	AMPL.		△	REMARKS
			h.	m.	s.		An. Mm.	Ae. Mm.		
2		Le	14	44					Very distinct sinusoidal on E-W. Recurs during day.	
		Fe	17	30						
12		Le	14	20					Distinct but irregular wavelets at intervals.	
		Fe	16	50						
18	I. v. i.	Pe	1	29					Second preliminary not discernible.	
		Se		?						
		Me	1	31		4	2.5			
		Ce	1	35						
		Fe	1	38						
22		Le	2	8					Very small but distinct sinusoidal recurring at intervals.	
		Fe	3	50						
23-24									Activity at intervals during day.	

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