

Jesuit Seismological Service

RECORD

OF THE

Earthquake Station, Sacred Heart College

DENVER, COLO., U. S. A.



ALTITUDE: 1655 M.
 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 Jan. 1st To Jan. 31st

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
			h.	m.	s.		AN	AE	
							μ	μ	
25	I.a.	Pu	22	32				Possibly the Santa Islands quake - very small record. Hardly anything on E-W. comp. - Tremors evident during the day. - The card was made up of very small and regular waves which lasted a long time after the shocks proper. -	
		Fu	22	33					
31	V.e.	Pu	20	30					
		Pe	20	30					
		Su		?					
		Se		?					
		Tu		?					
		Te		?					
		Mu	20	31			35		
		Me	20	38 30	6.6		75		
Cu	20	40							
Ce	20	40							
Fu	20	45							
Fe	20	44							

H. W. Forrestall Jr.

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FROM Febr. 1st To Febr. 29th

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
			h.	m.	s.		AN	AE	
							μ	μ	
19	I. u. e.	Pu		?				Prelim. tremors very unclear and indis- tinct. - Too small to be analysed. - Evident tremors however during the day. -	
		Pe		?					
		Su		?					
		Se		?					
		Tu	23	3					
		Te	23	3					
		Mu	23	4	12	12			
		Me	23	4	12		10		
		Cu	23	6					
		Ce	23	5					
Fu	23	7							
Fe	23	6							

A. W. Farnall S.J.

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FROM March 1st To March 31st

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
			h.	m.	s.		AN	AE	
						s.	μ	μ	
77	I.e.	Pu	10	28					Hardly possible to locate exactly the 2 ^d - prelim. tremors.
		Pe	10	28					
		Su	?						
		Se	?						
		Tu	10	30					
		Tc	10	30					
		Mu	10	30		10	31		
		Me	10	30		10		31	
		Cu	10	33					
		Ce	10	33					
		Fu	10	41					
		Fe	10	38					

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FROM April 1st TO April 30th

DATE	CHAR.	PHASE	TIME			PERIOD s.	AMPLITUDE		REMARKS
			h.	m.	s.		AN μ	AE μ	
22	I. S.	Pu	13	4					<p style="text-align: center;"><i>other</i> No earthquake this month. —</p> <p style="text-align: center;">Possibly a few microseisms, but I am not certain. Seismograph was not in good repair as heavy machinery was in motion nearby. —</p> <p style="text-align: right;">A. W. Forstall S. J.</p>
		Pe	13	5					
		Su	13	7					
		Se	13						
		Tu	13	10	24	37.5			
		Te	13	10	20		31		
		Mu	13	10	30	24	100		
		Me	13	10	30	20		31	
		Cu	13	13					
		Ce	13	11					
		Pu	13	32					
		Te	13	12					

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FROM May 1st TO May 31st

DATE	CHAR.	PHASE	TIME			PERIOD s.	AMPLITUDE		REMARKS
			h.	m.	s.		AN μ	AE μ	
6	e.r.	Pu	19	11	30?				Prelim. Tumors very indistinct. - No record was obtained of Guadalupe quake on 11 th May. (Mexico)
		Pe	19	11	30?				
		Su	19	25					
		Se	19	25					
		Tu	19	27		28	56.2		
		Tc	19	27		26		48	
		Mu	19	28		28	56.2		
		Mc	19	28		26		48	
		Cu	19	35					
		Cc	19	35					
		Fu	20	2					
Fc	20								
23	e.r.	Pu	3	19	?				This quake was in Honolulu (Hawaiian Islands) No record whatever of the 2 ^d Guadalupe quake on May 26 th
		Pe	3	19	?				
		Su	3	30	?				
		Se	3	30	?				
		Tu	3	32		32	37.5		
		Tc	3	32		29		30	
		Mu	3	36		32	37.5		
		Mc	3	34		29		30	
		Cu	3	40					
		Cc	3	38					
		Tu	3	59					
Tc	4	3							

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FROM June 1st TO June 8th

DATE	CHAR.	PHASE	TIME			PERIOD s.	AMPLITUDE		REMARKS
			h.	m.	s.		AN μ	AE μ	
7	r.e.	Pu	18	44				Distinct but very small oscillations. Hardly visible on N-S.	
		Pe	18	44					
		Lu							
		Le	18	45		2.0			12.5
		Fu	18	54					
8	r.e.	Pe	18	54				Considerably stronger than preceding: much stronger on E-W than on N-S.	
		Pu	7	50					
		Pe	7	50					
		Lu	7	56					
		Le	7	56		12			
		Mu	8	00			16.5		
		Me	8	00		2.0			31.2
8	r.e.	Fu	8	10				Extremely small but very regular sinusoidal curve too small to analyse.	
		Fe	8	10					
8	r.e.	Pe	8	30				Too small to study	
		Fe	8	51					
		Me	9	48					
		Mu	9	48					
8	r.e.	Fe	9	58				Too small to study. All these reports from Alaska; Redoubt Volcano eruption (Cook Inlet)	
		Fu	9	58					
		Mu	11	5					
		Me	11	5					
8	r.e.	Fu	11	15				Too small to study. All these reports from Alaska; Redoubt Volcano eruption (Cook Inlet)	
		Fe	11	15					
		Mu	15	27					
		Me	15	27					
8	r.e.	Fu	15	38				Too small to study. All these reports from Alaska; Redoubt Volcano eruption (Cook Inlet)	
		Fe	15	38					

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FROM June 10th TO June 30th

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
			h.	m.	s.		s.	AN μ	
10	n.e.	Pu	16	22					Record very weak on N-S. From Alaska, Cook Inlet, coincident with Redoubt Volcano erupt.
		Pe	16	20					
		Lu							
		Le	16	26					
		Mu	16	28		15	10		
		Me	16	28		10		12	
		Fu	16	39					
12	n.e.	Pe	16	41					Very weak and indistinct on E-W. Apparently did not come from Alaska but from Columbia, S.C. or Savannah, Ga.
		Pu	12	55					
		Pe	12	56	9				
		Lu	12	56					
		Le							
		Mu	12	59		4-6	5		
13		Me							Microseisms during day principally on E-W.
		Fu	13	5					
		Pe							

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FROM July 1st To July 31st

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS	
			h.	m.	s.		AN	AE		
						s.	μ	μ		
7	n.i.	Pn	10	3		4	2		Second prelim on each comp. very angular and irregular. Very perfect record on both comp. Reported in Alaska (Cook Inlet)	
		Pe	10	3		4		2		
		Sn	10	8		30-5	31-3			
		Se	10	8?		30-5				
		Ln	10	14		5	200-40			
		Le	10	14		7				
		Mn	10	18		6	325			
		Me	10	15		15				
		Cn	10	27		15-3	Variable			
		Ce	10	32		15-3		Variable		
		Fu	11	00						
Fe	11	00								
8	n.i.	Pn	22	19		?			Record on E-W. much larger. Waves are in distinct groups. Prelim. on both comp. very irregular and indistinct. Center unknown to me yet.	
		Pe	22	19		?				
		Sn				?				
		Se		not clear		?				
		Ln	22	23		8-12	31-10			
		Le	22	23		8-12		56-10		
		Mn	22	26		6	50			
		Me	22	23		6		81		
		Cn	22	31		6-3				
Ce	22	34		6-3						
28		Fu	22	50					Distinct microseisms more prominent on E-W. A.W. Horstall S.J.	
		Fe	22	54						

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FROM August 1st TO August 31st

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS	
							AN	AE		
			h.	m.	s.	s.	μ	μ		
7									Microseisms during day more prominent on E-W comp.	
9	u.e.	Pn	4	11					Prelim imperceptible on both components. Exact end could not be recorded on account of sliding accident of blank.	
		Pe	4	11					Constant noise.	
		Sn								
		Se								
		In	4	16		20	22			
		Ie	4	16		20		25		
		Mn	4	22		20				
		Me	4	21		20				
		Cn	4	30						
		Ce	4	30						
		Fn		?						
		Fe		?						
18	v.i.	Pn	21	12					Prelim very close and crowded. Very good and clear record.	
		Pe	21	12					Came from Williams Arizona.	
		Sn		?						
		Se		?						
		In	21	14		5				
		Ie	21	14		5				
		Mn	21	14	30	5	118			
		Me	21	14	30	5		86		
		Cn	21	16						
		Ce	21	16						
		Fn	21	18						
		Fe	21	18						
30									Microseisms; but small quake in Nevada failed to reach us.	

J.M.L. 11/14

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FROM October 18th TO October 31st

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
							AN	AE	
			h.	m.	s.	s.	μ	μ	
25	<u>II</u> <u>c.d</u>	<u>Pu</u>	<u>17</u>	<u>44</u>					Exact center not known. Was felt distinctly in Aspen, Colo. and Glenwood-Springs, Colo. —
		<u>Pe</u>	<u>17</u>	<u>44</u>					
		<u>Su</u>		<u>?</u>					
		<u>Se</u>		<u>?</u>					
		<u>Lu</u>	<u>17</u>	<u>47</u>		<u>3 ?</u>	<u>50</u>		
		<u>Lc</u>	<u>17</u>	<u>47</u>		<u>3 ?</u>		<u>40</u>	
		<u>Mu</u>	<u>17</u>	<u>47</u>	<u>30</u>	<u>3 ?</u>	<u>50</u>		
		<u>Mc</u>	<u>17</u>	<u>47</u>	<u>30</u>	<u>3 ?</u>		<u>40</u>	
		<u>Cu</u>	<u>17</u>	<u>48</u>					
		<u>Cc</u>	<u>17</u>	<u>48</u>					
		<u>Fu</u>	<u>17</u>	<u>48</u>					
		<u>Fc</u>	<u>17</u>	<u>48</u>					

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FROM November 1st TO November 7th

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS
							AN	AE	
			h.	m.	s.	s.	μ	μ	
5									Microseisms during day. - At 15:24 very weak oscillations
7	I.d.	Pn	?						Reported in Stewart Alaska. Very irregular and broken waves. No visible P and 2 nd S nd pullow. tremors. -
		Pe	?						
		Sn	?						
		Se	?						
		In	19 46 30	2 ?	25				
		Ic	19 46 30	2 ?		25			
		Mn	?						
		Me	?						
		Cn	?						
		Ce	?						
7	I.v.e.	Pn	19 52					Starts 3 min. after preceding. Possibly the same. I believe however it was a different quake probably the one said to have taken place in San Juan del Sur. (Nicaragua. C. Am.)	
		Pe	19 52						
		Sn	?						
		Se	?						
		In	19 56	20	10-15				
		Ic	19 56	20		10-15			
		Mn	?	20	10-15				
		Me	?	20		10-15			
		Cn	20 5						
		Ce	20 5						
		In	20 18						
		Ic	20 18						

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FROM November 7th TO November 30th

DATE	CHAR.	PHASE	TIME			PERIOD s.	AMPLITUDE		REMARKS
			h.	m.	s.		AN μ	AE μ	
19	II i.d.	Pn	14	1					<p>Two quakes were re- ported on this day by papers, one in Mexico City, the other in Seattle, Wash. - Our blank gives only one; we believe it is the Mexico quake. Excellent record.</p>
		Pe		?					
		Sn	14	2	40				
		Se		?					
		Tn	14	5		5	62		
		Tc	14	5		7		187	
		Mn	14	9		2			
		Me	14	9-14-3		4	70		
		Cn	14	13				200	
		Ce	14	15					
Fn	14	29							
Fc	14	31							
24-25								<p>Two shocks felt in Seattle, Wash. - at 7:30 and 9 p.m. local time. - We fail to see them on our blank. -</p> <p style="text-align: right;">A. W. Farstall</p>	

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FROM December 1st TO December 31st

DATE	CHAR.	PHASE	TIME			PERIOD	AMPLITUDE		REMARKS	
			h.	m.	s.		s.	AN μ		AE μ
9	e. T.U.	T _u	8	41					Very regular sinusoidal curve but hardly perceptible. Could not ascertain the center.	
		T _c	8	41						
		M _u	8	46		20	11			
		M _c	8	46		20		11		
		P _u	9	7						
		P _c	9	7						
21-22								Two quakes reported: one in Messina and the other in Martinique but the blank fails to show them. However slight disturbances can be noticed.		
								A. W. Forrestall		