

Jesuit Seismological Service Record

of the

Seismographic Station, Astronomical and Meteorological Observatory
University of Santa Clara, California, U. S. A.

$\phi = 37^{\circ} 26' 36''$ N $\lambda = 121^{\circ} 57' 03'' = 8^{\text{h}} 7^{\text{m}} 50^{\text{s}}$ W; elevation 27.43 M.

TIME: Mean Civil Greenwich, midnight to midnight, 0-24 hrs.

INSTRUMENTS: Wiechert 80 kg., astatic, horizontal and vertical pendulums.

NOMENCLATURE: International.

FROM JANUARY 24, 1914, TO MARCH 14, 1914

DATE	CHAR.	COMP.	PHASES.	TIME			PERIOD s.	AMP. m. m.	REMARKS
				h.	m.	s.			
Jan. 24	lld	N-S	p i	3:	32:	53			Distance:— 103.43 Km. N. 32° W. Faint shock felt. Feb. 18. Trace of V quake on horizontal, between 18:16:24 and 18:19:18. Pulsations during day.
			S						
			L	3:	33:	02			
			M	3:	33:	29	.8	8	
			C	3:	33:	38			
			F	3:	35:	18			
		E-W	p i	3:	32:	53			
			S						
			L	3:	33:	02			
			M	3:	33:	03	.8	5	
			C	3:	33:	38			
			F	3:	36:	10			
		V	p i	3:	32:	56			
			S						
			L	3:	32:	56			
			M	3:	33:	35	.8	1.75	
			C						
			F	3:	33:				

Feb. 22	Id	N-S	Pi	22: 18: 48		
			S			
			L	22: 18: 48		
			M	22: 18: 48	.8	3.25
			C	22: 19: 00		
			F	22: 19: 54		
	E-W		Pi	22: 18: 48		
			S			
			L	22: 18: 48		
			M	22: 18: 48	.8	3.25
			C	22: 19: 00		
			F	22: 19: 40		
	V		P	Trace		
			S			
			L			
			M			
			C			
			F			
Mar. 14	Id	N-S	Pi	7: 42: 12		
			S			
			L	7: 42: 20		
			M	7: 42: 28	.8	1.62
			C	7: 42: 48		
			F	7: 43: 26		
	E-W		Pi	7: 42: 12		
			S			
			L	7: 42: 20		
			M	7: 42: 23	.8	2.75
			C	7: 42: 48		
			F	7: 43: 53		
	V		P	Trace		
			S			
			L			
			M			
			C			
			F			

Distance:— Local. Movement from S. E.
Very faint shock felt.

Distance:— 96.16 Km. E. 30° 30' S.
Very faint shock felt.

JEROME S. RICARD, S. J., Director
by Albert J. Newlin, Asst.

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TIME: Mean Civil Greenwich, midnight to midnight, 0-24 hrs.

INSTRUMENTS: Wiechert 80 kg., astatic, horizontal and vertical pendulums.

NOMENCLATURE: International.

FROM MARCH 18, 1914, TO MAY 8, 1914

DATE	CHAR.	COMP.	PHASES.	TIME			PERIOD s.	AMP. m. m.	REMARKS
				h.	m.	s.			
Mar. 18	lld	N-S	P i	12:	34:	00			
			S						
			L	12:	34:	04			
			M	12:	34:	15	.8	3	
			C	12:	34:	20			
			F	12:	34:	57			
		E-W	P i	12:	34:	00			
			S						
			L	12:	34:	04			
			M	12:	34:	04	.8	3.37	
			C	12:	34:	24			
			F	12:	35:	50			
		V	P i	12:	34:	00			
			S						
			L	12:	34:	00			
			M	12:	34:	05	.8	1.5	
			C	12:	34:	15			
			F	12:	34:	48			

Distance:— 67.5 Km. E. $41^{\circ} 41'$ S.
Light shock felt.

March 19. Trace of irregular r record on horizontal, from 0:48 to 1:45. Period 15 secs., amp. 2.5 mm., at 1:00. Pulsations obscure phases.

April 6	Ilv	N-S	P e	9: 56: 51		
			S			
			L	9: 56: 51		
			M	9: 57: 14	1.2	3.75
			C	9: 57: 45		
			F	9: 59: 42		
		E-W	P e	9: 56: 06		
			S			
			L	9: 56: 47		
			M	9: 57: 05	1.2	4.75
			C	9: 57: 18		
			F	9: 59: 35		
		V	P			
			S			
			L			
			M			
			C			
			F			
April 24	Ilv	N-S	P			
			S			
			L i	8: 36: 36		
			M	8: 37: 45	1	29.25
			C			
			F	8: 38: 12		
		E-W	P e	8: 35: 51		
			S			
			L	8: 36: 12		
			M	8: 37: 36	1	29.75
			C	8: 41: 00		
			F	8: 50: 00		
		V	P e	8: 36: 00		
			S			
			L	8: 36: 43		
			M	8: 37: 12	1	7.75
			C	8: 37: 43		
			F	8: 39:		

Distance:— 340.17 Km. E. 38° 17' N.
Felt along central California-Nevada line.

April 11. Slight trace of sinusoid on E-W at approximately 17:00

Distance:— 343.34 Km. N. E.
Felt along central California-Nevada line.

May 8. Trace of record on Horizontal between 11:49 and 11:53. Again between 16:43 and 16:46.

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TIME: Mean Civil Greenwich, midnight to midnight, 0-24 hrs.

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NOMENCLATURE: International.

FROM SEPTEMBER 7, 1914, TO OCTOBER 22, 1914

DATE	CHAR.	COMP.	PHASES.	TIME			PERIOD s.	AMP. m. m.	REMARKS	
				h.	m.	s.				
Sept. 7	lld	N-S	P						Distance:— Local. Movement S.E. to N.W. Light shock felt.	
			S							
			Li	18	05	36				
			M	18	05	40	.8	10		
			C	18	06	30				
			F	18	08	50				
			E-W	P						
			S							
			Li	18	05	40				
			M	18	05	57	.8	12.25		
			C	18	06	24				
			F	18	10					
			V	P						
			S							
			Li	18	05	37				
M	18	05	58	.8	5					
C	18	06	24							
F	18	07	24							

Sept. 11	ld	N-S	P i	21: 10: 12		
			S			
			L	21: 10: 18		
			M	21: 10: 18	.8	1.87
			C	21: 11: 15		
			F	21: 12: 55		
		E-W	P i	21: 10: 13		
			S			
			L	21: 10: 18		
			M	21: 10: 33	.8	2.80
			C	21: 11: 00		
			F	21: 13: 30		
		V	P			
			S			
			L i	21: 10: 16		
			M	21: 10: 33	.8	1
			C	21: 10: 50		
			F	21: 11: 20		
Oct. 3	lr	N-S	P i	17: 31: 54		
			S			
			L	17: 39: 50		
			M	17: 32: 24	1.5	.87
			C	17: 45: 00		
			F	18: 00		
		E-W	P i	17: 31: 54		
			S			
			L	17: 39: 50		
			M	17: 32: 12	1.5	3.25
			C	18: 00: 00		
			F	18: 30		
		V	P i	17: 31: 54		
			S			
			L	17: 39: 54		
			M	17: 32: 12	1.5	1.25
			C	17: 53: 00		
			F	18: 00		

Distance:— 82 Km. E. 30° 44' S.
Very faint shock felt.

Distance:— 2393 Km. E. 14° 59' S.

Oct. 22. Trace of sinusoid on E-W. from 6:48:25 to 6:51:07.

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NOMENCLATURE: International.

FROM NOVEMBER 9, 1914, TO NOVEMBER 24, 1914

DATE	CHAR.	COMP.	PHASES.	TIME			PERIOD s.	AMP. m. m.	REMARKS		
				h.	m.	s.					
Nov. 9	Ild	N-S	P						Distance:— Local. Strong shock felt.		
			S								
			L i	2:	31:	10					
			M	2:	31:	10	.8	50			
			C	pen dislodged							
			F								
			E-W	P							
				S							
				L j	2:	31:	10				
				M	2:	31:	10	.8		50	
				C	2:	32:	30				
				F	2:	39:	25				
				V	P						
					S						
					L i	2:	31:	10			
	M	2:	31:		30	.8	55				
	C	2:	32:		06						
	F	2:	33:		15						

Nov. 21	Id	N-S	P i	16: 24: 09		
			S			
			L	16: 24: 14		
			M	16: 24: 23	.8	4.24
			C	16: 24: 33		
			F	16: 26: 50		
		E-W	P i	16: 24: 09		
			S			
			L	16: 24: 14		
			M	16: 24: 23	.8	2.75
			C	16: 24: 35		
			F	16: 27		
		V	P			
			S			
			L i	16: 24: 09		
			M	16: 24: 09	.8	1.75
			C	16: 24: 45		
			F	16: 26		
Nov. 22	Ilr	N-S	P i	12: 05: 28		
			S			
			L	12: 15: 12		
			M	12: 15: 36	1.5	10.87
			C	12: 15: 47		
			F	12: 35		
		E-W	P j	12: 05: 28		
			S			
			L	12: 15: 12		
			M	12: 15: 36	1.5	13.15
			C	12: 16: 15		
			F	13: 50		
		V	P e	12: 05: 28		
			S			
			L	12: 15: 20		
			M	12: 15: 56	4	.75
			C			
			F	12: 16		

Distance:— 74.85 Km. S. 32° 54' E.
Light shock felt.

Distance:— 3100 Km. W. 39° 35' N.

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NOMENCLATURE: International.

FROM DECEMBER 28, 1914, TO MARCH 31, 1915

DATE	CHAR.	COMP.	PHASES.	TIME			PERIOD s.	AMP. m. m.	REMARKS
				h.	m.	s.			
Dec. 28	lld	N-S	P i	10:	42:	30			Distance:— 60 Km. N. $31^{\circ} 41'$ W. Light shock felt.
			S						
			L	10:	42:	33			
			M	10:	42:	40	.8	20.25	
			C	10:	43:	45			
			F	10:	46:	00			
		E-W	P i	10:	42:	30			
			S						
			L	10:	42:	32			
			M	10:	42:	54	.8	12.5	
			C	10:	43:	49			
			F	10:	47:	00			
		V	P						
			S						
			L i	10:	42:	30			
			M	10:	42:	44	.8	7.3	
			C	10:	43:	04			
			F	10:	44:	50			