

EARTHQUAKE STATION, ST. LOUIS UNIVERSITY

St. Louis, Mo., U.S.A.

Latitude: 38° 33' 17" N.

Longitude: 90° 13' 58".5 or 6h 0m 55s.9 W. Gr.

Time: Mean Greenwich, midnight to midnight

Instrument: Wiechert 80 kg., astatic, horizontal pendulum

NOMENCLATURE: Goettingen

From January 1st. 1913

to March

Date	Char.	Phase	Time	Period.	Amplitude		
					T	AN	
			h. m. s.	s.	MM.	MM.	
Jan. 15	Ir	1P _N	18: 58. 3	3		.6	E-W very faint Distance about 3000 km.
		eP _N	18: 58. 4				
		PR _{1N}	18: 58. 8	4-6		1.	
		S _E	19: 02. 8				
		S _N	19: 02. 8	5		.5	
		L _E	19: 03. 8	6-9			
		F _E	19: 40.				
Feb. 18	I	?e _N	00: 47. 1				
		L _N	00: 52. 7	9			
		F	8: 15. 5				
Mar. 3	II	e _S	3: 12. (?)				Record very imperfect. (T = 6. 8 sec. E = 7. 3 sec. N = 5. 1 E = 6. 2 N)
		?S _E					
		L _N	3: 18. 5	10-12			
		L _E	3: 19. 8	10-11			
		M _N	3: 20.	10		.8	
		F	3: 48. 5				
Mar. 4	Iu	S _N	11: 29: 50				(S-L) = 4 min. 25 sec. Distance = 4450 km. Periods and amplitudes exceedingly slight
		S _E	11: 30: 14				
		?SR _E	11: 32: 15				
		L	11: 34:				
		F	11: 50.				
Mar. 8	IIr	?P _N	15: 57. q				S - P = 5 ^{m.} 35 ^{s.} Δ = 3800 km. Beginning of phases indistinct T = 7 sec. E = 6. 2 E _N = 6. 1 E
		S	16: 02: 41	4-10			
		M _N	16: 02: 50	10			
		eL	16: 06: 12				
		L _N	16: 11: 36	10		.4	
		C _N	16: 12: 36	10			
		F	16: 33 ca.				

J.B. Goese, Jr.

EARTHQUAKE STATION - ST LOUIS UNIVERSITY

St. Louis, Mo., U. S. A.

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Time: Mean Greenwich, midnight to midnight

Instrument: Wiechert 80 kg., astatic, horizontal pendulum.

NOMENCLATURE: International.

From March 9 1913 to March 31 1913

Date	Char.	Phase	Time			Period	Amplitude		Remarks
							AE	AN	
			h.	m.	s.	s.	mm.	mm.	
Mar. 9		L ₁	16:	30.	4			4	S - P = 10 ^{m.} Δ = 8800 km.
Mar. 14	IIu	P	9:	05:	58				P faint. L pro- N minent, but no distinct M.
		S	9:	15:	59				
		?e L	9:	27:	55				
		?e L _N	9:	32:	01	12			
		L _E	9:	41:	07	40	.4		
		L _E	10:	04:	44	15	.5		
		F _E	11:	14:	ca.				
Mar. 15	I	?e	22:	29:	.7				N-S disturbed by windquakes
		eL _E	22:	33:	22	6			
		F _E	22:	52:					
Mar. 31	IIu	P	3:	51:	14				S - P = 8 ^{m.} 18 ^{s.} Δ = 6800 km. On N-S there are seven dis- tinct main shocks and 3 after shocks T = 7 sec.
		S _E	3:	59:	31				
		S	3:	59:	33				
		L _N	4:	02:	2	33			
		M	4:	15:	35	20		.7	
		M _{N1}	4:	15:	59	19	.4		
		M _{N1}	4:	17:	37	13		.9	
		M _{N2}	4:	17:	45	14	.7		T _N = 7.2 sec.
		M _{E2}	4:	19:	48	14		1.	ε = 5.8
		M _{N3}	4:	19:	48	16	.8		ε _N = 6.3
		M _{E3}	4:	22:	49	11	.6		
		M _{N4}	4:	23:	21	13		.9	
		M _{N5}	4:	27:	58	12		.6	

J.B. Gessner

Date	Char.	Phase	Time			Period	Amplitude		Remarks
							AE	AN	
			h.	m.	s.	s.	mm.	mm.	
Mar. 31		N5							
		C ^N	5:	03:	45	10		.4	
		C ^{E1}	5:	03:	45	10	.2		
		C ^{E2}	5:	09:	14	10	.2		
		F ^N	5:	13:	30				
		F ^E	5:	30.	oa.				
Apr. 25	I	?e	18:	23:	42				
		L ^E	19:	00:	30				
		L ^N	19:	02:	07	20			
		L ^E	19:	11:	06	18			
		F	19:	59.					
Apr. 26	Ir	P ^E	12:	43 ⁴³	49				No L on E-W.P-S= 5 ^m . Δ = 3250 km.
		P ^N	12:	43:	51				
		S	12:	48:	50				
		?eL ^N	12:	51:	oa				
		L ^N	12:	54:	14	15			
	?F	13:	15.						
Apr. 28		i ^E	24:	34:	27				Local earthquake felt along the St. Lawrence
		i ^N	24:	34:	35				
Apr. 29		L ^E	24:	05.	5	15			
		L ^N	24:	07:	25	15			
		?F	24:	25.					
Apr. 30	Iu	?S	11:	52:	15				Δ = 8000? km.
		L ^N	12:	04:	58	17			
		L ^E	12:	04:	59	14-16			
		F	13:	57.					

Supplementary : Please insert in previous record:

Jan. 11	I	?P ^E	13:	39.				Contact clock slightly inac- curate
		?P ^N	13:	39.	.1			
		L ^N	13:	54:	.3			
		L ^E	13:	54.				
		F ^E	15:	37.				

Note: Please rectify the following on first record 1913:

Damping symbol write: ϵ for E

Amplitudes in millimetres write: mm for MM.

~~Δ = D~~

~~E = e~~

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Time: Mean Greenwich, midnight to midnight.

Instrument: Wiechert 80 kg., astatic, horizontal pendulum.

NOMENCLATURE: INTERNATIONAL.

From May 1 to August 31

Date	Char.	Phase	Time	Period	Amplitude		Remarks	
					AE	AN		
			h. m. s.	s.	mm	mm		
May 8		e _E	18 51 .8				Record very slight and masked in locals and microseisms	
May 16	I	?eL _E	12 11 15	10				
		?eL _N	11 17					
		F	30 ca.					
May 30	I	?eP _N	11 54 53				Δ = 13200 Km.?	
		?eP _E	58 .3					
		e _N	12 02 .7				U T = 7 sec.	
		e _E	02 35				T E = 7 sec.	
		eL _N	34 20	54		.4	e E = 4.5	
		eL _E	35 .5				e E = 6.3	
		L _E	50 32	20	.5			
		L _N	53 36	15		.6		
		F _E	14 08 30					
		F _N	09 55					
June 22	Ir	eP	13 59 .6					
		R P _{1 N}	14 02 .2				S-P = 8 min. .1 sec.	
		eS	07 .7				Δ = 6.500 Km. Quake reported from Aleutian Islands	
		?R S _{1 N}	12					
		?eL _N	17 .4					
		?eL _E	17 .8					
		M _E	26	17	.5			
		M _N	27 .5	16		.7		
		F	15 12					

Continued

Date	Char.	Phase	Time			Period	Amplitude		Remarks	
			h	m	s	T	AE	AN		
			h	m	s	s	mm	mm		
June 26	Ir	?eP	5	11	30				S-P==6min.30sec.	
		?eS _E		18						
		R P _E		13	15					Δ=:4.900 Km.
		eL _E		23	01					Microseisms on N.S
		?eL _N		23	50					render determina-
		M _E		45	18		26	.8		tion of S impossi-
		M _N		43	54		21		.7	ble
July 8	Ir	F	7	36						
		?eP _E	0	17	05				S-P=3min.18sec.	
		eP _N	0	17						Δ = 1.900
		eS _E	0	20	23					
		eS _N	0	20	16					
		eL _E	0	20	59					
		eL _N	0	21	58					
		M _E	0	25	39		.8	.4		
		M _N	0	25	17		10		.7	
		F _E	0	40						
Aug. 1	II	?e	17	33	02					
		?eL		52	50					
		F	18	30						
Aug. 6	II	?eP _E								
		e	21	21	15				S-P=5min.24 sec.	
		?eP _E		24	06					Δ = 3.600 Km.
		P _N		24	22					
		?eS _E		29	30					Quake reported
		?S _N		29	19					from Peru
		eL _E		31	58					
		L _N		32	12		12			
		M _E		44	55		30	.9		
		M _N		48			21		2.1	
M _{E2}		50	01		20	1.2				
		F	22	50						

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NOMENCLATURE: INTERNATIONAL

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From October 2

to December 31 1913

Date	Char.	Phase	Time	Period	Amplitude		Remarks
					T	AN	
			h m s	s	mm	mm	
Oct. 2	IIr	eP _N	4: 29: 47				
		?PR _{1N}	30: 41				Distance: 3100 Km. reported from Panama
		eS _N	34: 13				
		?S _E	35: 53				
		eL _N	36: 17				
		?eL _E	39: 04				
		M _{N1}	41: 11	9		.5	
		M _E	41: 15	8	.4		
		M _{N2}	46: 09	11		.6	
		F _N	5: 03: 00				
F _E	5: 18: 00						
Oct. 4		e _N	22: 11: 39				Microseisms, especially on E-W
		eE _E	11: 06				
		F	29: 00				
Oct. 11		?eP _E	2: 03: 16				
		?eL _e	35: 00				
		eL _e	43: 00				
			53: 00				

Date	Char.	Phase	Time	Period T	Amplitude		Remarks
					AEI	AN	
			h m s	s	mm	mm	
Oct. 11	IIr	eL _N	5: 05: 38				
		eL _E	:16 :42				
		F	:35 :00				
Oct. 14	Ir	eP _E	8 :27 :38				
		RP _{2E}	:33 :12				
		RP _{3E}	:34 :22				
		?eS _E	:38 :08				
		RS _E	:44 :				
		F	:55 :00				
Oct. 23	Ir	?eP	15:08 :26				
		eS	:13 :14				
		eL	:15 :25				
		M _E	:16 :19	9	.3		
		F	:44 :00				
Nov. 23		e _E	21:34 :17				
Nov. 26		?i _N	7:01 :00				Microseisms prevail
		?e	:04 :00				
Dec. 6		e _E	0:26 :00				
		e _E	0:31 :12				
Dec. 6		?e	11:08 :33				
		?i _E	:14 :46				
		?e	:19 :27				
Dec. 15			23:59 :00				
			24:14 :06				Microseisms
Dec. 21		?eL _E	24:48 :02				
		eL _N	16:42 :25				
		M _N	:43 :00				
		F	:46 :12			.3	
Dec. 28		?e	17:00 :00				
		?i	12:08 :12				Microseisms, remarkable for their frequent appearance on this and the following days
			:18 :49				