

BULLETIN OF THE SEISMOGRAPHIC STATION  
OF THE  
SAINT LOUIS UNIVERSITY, SAINT LOUIS, MISSOURI, U.S.A.  
FOR THE YEAR 1926

Z

No.	Char.	Date	Phase	G.M. Time	Period	Ampl.		Remarks		
						AE	AN			
				h. m. s.	s.	mm.	mm.			
1	Iu	Jan. 25	eP <sub>E</sub> (?)	00 50 07		M	M	Distance=110 <sup>o</sup> .7 =12300 Km. Epicenter in Solomon Is. according to press reports. Gap in record bch 53m to 59m owing to change of sheet.		
			eP <sub>N</sub>	00 50 35						
			ePR <sub>3EN</sub> (?)	01 01 22						
			ePS <sub>E</sub>	01 05 22						
			ePS <sub>N</sub>	01 05 29						
			ePPS <sub>EN</sub>	01 06 00						
			iSR <sub>1N</sub>	01 10 51						
			e <sub>N</sub>	01 15 00						
			SR <sub>2N</sub>	01 15 39						
			e <sub>E</sub>	01 18 54						
			eL <sub>EN</sub>	01 25 16						
			eM <sub>EN</sub>	01 30 14						
			M <sub>1E</sub>	01 32 10	18	-63				
			M <sub>2E</sub>	01 35 00	20	+162				
			M <sub>3E</sub>	01 37 29	20	+162				
			M <sub>1N</sub>	01 37 29	20		-110			
			F	02 21 <sup>+</sup>						

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FOR THE YEAR 1926

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No.	Date	Char.	Phase	G.M. Time			Period	Amp.		Remarks
				h.	m.	s.		s.	AE	
2	Feb. 3	Iir	eP <sub>N</sub>	15	23	22				Distance = 27°5 = 3060 Km. Epicenter about 11° N. Lat., 87°W. Long.  SR <sub>2</sub> and SR <sub>3</sub> probably present in continued group on both E and N
			PR <sub>1N</sub>	15	24	04				
			PR <sub>2N</sub>	15	24	10				
			eS <sub>N</sub>	15	28	01				
			eS <sub>E</sub>	15	28	07				
			iS <sub>N</sub>	15	28	33	17		-238	
			iS <sub>E</sub>	15	28	34				
			SR <sub>1N</sub>	15	29	22				
			SR <sub>1E</sub>	15	29	23				
			iL <sub>EN</sub>	15	30	58				
			iM <sub>E</sub>	15	32	00				
			iM <sub>N</sub>	15	32	03				
			M <sub>1N</sub>	15	33	02	25		+480	
			F	16	43	±				

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No.	Char.	Date	Phase	G.M. Time		Amplitude		Remarks	
				h. m. s.	s.	AE mm.	AN mm.		
3	Ir	Feb. 15	iP <sub>N</sub>	3	05	22			Distance=26°9 =2990 Km. Epi- center in Pac- ific near that of Feb. 8th.
			e <sub>N</sub>	3	05	52			
			PR <sub>1N</sub>	3	06	04			
			iS <sub>N</sub>	3	09	53			
			SR <sub>1N</sub>	3	10	12			
			i <sub>N</sub>	3	10	41	17	+135	
			eL <sub>N</sub>	3	12	23			
			M <sub>N1</sub>	3	14	05	29	+216	
			F	3	45	±			

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No.	Date	Char.	Phase	G. M. Time		Period	Amplitude	Remarks
				h.	m. s.			
4	Mar. 10	Ir	SR <sub>1N</sub> (?)	15	18 32			Mr. J. A. Young of the Meteorological Office in Toronto forwarded a telegram received from the observer in Mayo, Yukon Territory as follows: "Two distinct earth tremors felt this morning (3-10-26), knocking articles off shelves 6:05 and 6:07 at Mayo and Keno City".
			eLN(?)	15	21 27			
			eLEN	15	22			
			F	15	30 ±			
5	Mar. 17	Iir	eP <sub>N</sub> (?)	11	59 13			Δ (from eS-iP) = 28.5 = 3170 km. (from eS-eP) = 29.7 = 3300 km. The U.S. Coast and Geodetic survey placed the epicenter tentatively at Lat. 13°N, Long. 74°W, about 100 miles north of the coast of Columbia.
			iP <sub>N</sub>	11	59 22			

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No.	Date	Char	Phase	G.M. Time	Period	Amplitude		Remarks
						AE	AN	
5	Mar.17 Cont'd	Iir	iS <sub>N</sub>	12 04 04	7	μ	μ	
			eS <sub>E</sub>	12 04 06	8	3	5	
			eL <sub>N</sub>	12 08 12				
			iM <sub>N</sub>	12 09 17				
			iM <sub>E</sub>	12 09 20				
			M <sub>N1</sub>	12 09 28	16		90	
			M <sub>E1</sub>	12 09 38	11	32		
			M <sub>N2</sub>	12 13 09	12		82	
			FE	12 19 ±				
FN	12 32 ±							
6	Mar.18	IIu	eP <sub>N</sub>	14 19 10				Earthquake reported from the Island of Castel Rosso, SW coast of Asia Minor. Δ=82.7=9180km.
			iS <sub>N</sub>	14 29 34				
			eL <sub>N</sub>	14 47 00				
			iM <sub>N</sub>	14 55 00				
			M <sub>N1</sub>	14 56 48	25		56	
			FN	15 15 ±				
7	Mar.27	Iu	ePR <sub>2N</sub>	11 11 17				Epicenter possibly in SW Pacific near Solomon Islands Δ apparently=111° = 12330km.
			ePR <sub>3N</sub>	11 13 13				
			ePPS <sub>N</sub>	11 19 16				
			e <sub>N</sub>	11 26 37				
			eL <sub>N</sub>	11 37 19				
			eM <sub>N</sub>	11 45 00				
			eM <sub>E</sub>	11 48 00				
			FN	12 18 ±				

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No.	Char.	Date	Phase	G.M. Time		Period	Trace Amp.		Remarks
				h.	m.		s.	AE	
8	Iu	April 1	P <sub>N</sub>	16	19	12			Epicenter according to Swiss Seismological Service in Farther India 15°N. 95°E. Δ=126°=14000Km.
			P' <sub>E</sub> (?)	16	21	20			
			P' <sub>N</sub> (?)	16	21	28			
			i <sub>E</sub>	16	22	15			
			PR <sub>1N</sub>	16	24	40			
			PR <sub>2N</sub>	16	26	44			
			PR <sub>3EN</sub>	16	29	53			
			PS <sub>N</sub>	16	34	12			
			PPS <sub>N</sub>	16	36	09			
			SR <sub>1N</sub>	16	40	25			
			L <sub>N</sub> (?)	17	01	±			
			M <sub>N</sub>	17	33				
9	Ir	April 5	S <sub>N</sub> (?)	23	42	29			Reported from the Azores - Gártuja gives epicenter as 42°1' N 31°4' W. Δ=41.5°=4610 Km.
			PS <sub>N</sub> (?)	23	42	59			
			M <sub>N</sub>	23	54	00			
			M <sub>1N</sub>	00	03				
			M <sub>2N</sub>	00	05				
10	Iu	April 12	PS <sub>N</sub>	8	59	39			Epicenter apparently in N-W portion of New Hebrides Islands 166° E. 14°4' S. Δ=109°=12110 Km.
			PPS <sub>E</sub>	9	01	24			
			SR <sub>1E</sub>	9	07	00			
			e <sub>N</sub>	9	11	12			
			SR <sub>2N</sub>	9	11	30			
			e <sub>N</sub>	9	21	00			

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No.	Char.	Date	Phase	G.M. Time	Period	Trace AE	Amp. AN	Remarks
10	Iu	April 12 Cont'd	e <sub>LE</sub> M <sub>EN</sub> F <sub>N</sub> F <sub>E</sub>	h. m. s. 9 24 00 9 28 24 10 02 ± 10 09 ±	s. 24			
11	Iu	April 24	e <sub>N</sub> e <sub>E</sub> e <sub>EN</sub> e <sub>N</sub> L <sub>N</sub> M <sub>N</sub>	5 11 48 5 17 15 5 31 18 5 31 30 5 34 26 5 49 00	17			
12	Iu	April 28	P <sub>N</sub> (?) e <sub>N</sub> iS <sub>EN</sub> (?) PS <sub>EN</sub> (?) e <sub>EN</sub> e <sub>N</sub> L <sub>N</sub> (?) M <sub>N</sub> M <sub>N</sub> F <sub>N</sub>	11 24 10 11 32 34 11 32 38 11 33 32 11 36 25 11 38 40 11 55 00 12 48 00 13 10 00 13 37 00				This together with data from Gonzaga University, Spokane points to Atacama. Deep off Chilean coast as origin Δ=62°4= 6930 Km.

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				h.	m.	s.			
B	May 11	Ir	eP <sub>N</sub> ?	11	25	41	5.4	2	Beginning very faint
			eS <sub>EN</sub> ?	11	29	53			
			L <sub>N</sub> ?	11	33				
			eM <sub>N</sub>	11	34	00	9.5		
			M <sub>2N</sub>	11	37	00			
			F	11	40	±			



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Latitude of the seismograph vault:  $38^{\circ} 38' 17''$  N.  
 Longitude:  $90^{\circ} 13' 59''$  or 6h 0m 56s W. Fr..  
 Altitude: 160.4 meters  
 Foundation: Clay on St. Louis limestone of Miss-  
 issippian age  
 Instrument: Wiechert 80 Kg., inverted pendulum.

CONSTANTS

Determined	Component	Period $T_0$	V	Damping	$\frac{r}{T_0^2}$
April 30	E	6.1	76	4.2	0.0071
				3.9	
June 26	N	5.8	94	5.6	0.0067
				4.9	
	E	6.0	69	5.07	0.0072
				6.2	
	N	6.35	74	7.0	0.0055
				6.9	

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					E	S.N	A <sub>E</sub>	A <sub>N</sub>	
14	June 5	Ir	e <sub>N</sub>	19 56 07					Epicenter off the coast of Northern California.
			e <sub>N</sub>	19 56 28					
			e <sub>N</sub>	19 58 00					
			e <sub>EN</sub>	20 01 35					
			e <sub>EN</sub>	20 02 08					
			eL <sub>N</sub> ?	20 05 35					
			M <sub>N</sub> ?	20 06 13					
			M <sub>1E</sub>	20 08 43	12		-21		
			M <sub>1N</sub>	20 09 40		7		+13	
			F <sub>N</sub>	20 27 ±					
15	June 26	IIu	eP <sub>N</sub>	19 59 09					Reported from Crete and Malta
			i <sub>EN</sub>	19 59 21	4	5	+3	+2	
			i <sub>EN</sub>	19 59 35	5	5	+3	+7	
			i <sub>EN</sub>	19 59 40	4	4	+6	+7	
			i <sub>EN</sub>	19 59 44	4	4	+9	+11	
			PR <sub>1EN</sub>	20 02 39					
			PR <sub>2EN</sub>	20 05 49					
			iS <sub>EN</sub>	20 09 19					
			i <sub>EN</sub>	20 09 31	7	7	+32	*21	
			i <sub>E</sub>	20 09 41	7		+64		
			PS <sub>EN?</sub>	20 09 49					
			i <sub>EN</sub>	20 09 54	5	3	+26	+20	
			i <sub>N</sub>	20 10 35					
			i <sub>E</sub>	20 10 40					
			i <sub>EN</sub>	20 10 50	18	18	+85	+124	
			i <sub>E</sub>	20 13 50					
			i <sub>E</sub>	20 16 23					
			L <sub>E</sub>	20 24 30					
			M <sub>N</sub>	20 29 40					
			F <sub>E</sub>	20 50 ±					

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No.	Date	Char.	Phase	G.M. Time			Period s.	Amplitude		Remarks
				h.	m.	s.		$A_E \mu$	$A_N$	
16	July 14	Ir	e <sub>N</sub>	22	38	14				Recorded at Georgetown be- ginning at 22h. 37m.
			i <sub>N</sub>	22	38	33				
			i <sub>N</sub>	22	38	43				
			e <sub>N</sub>	22	44	19				
			e <sub>N</sub>	22	47	19	4		+1.2	
			e <sub>E</sub>	22	47	37	4	-1.3		
			e <sub>E</sub>	22	48	12	13	-6.4		
			e <sub>N</sub>	22	48	22	12		+8.8	
		F <sub>N</sub>	22	54	±					

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No.	Date	Char.	Phase	G.M. Time h. m. s.	Period s.	Amplitude		Remarks
						$A_E$	$A_N$	
17	August 9	Iu	O	3 39 33				Epicenter $52^\circ$ N. $176^\circ$ W. $\Delta=57.4=6380$ Km
			eP <sub>EN</sub>	3 49 25				
			iS <sub>E</sub>	3 57 20	4	+25		
			i <sub>E</sub>	3 57 27	4	+25		
			F <sub>E</sub>	4 12 <sup>+</sup>				
18	August 18	?	e <sub>N</sub> ?	19 36 39				
			i <sub>N</sub>	19 39 25	2		-39	
			e <sub>N</sub>	19 39 37	2		-25	
			e <sub>N</sub>	19 40 13	3		+25	
			e <sub>N</sub>	19 41 18	3		+37	
			F <sub>N</sub>	19 45 <sup>+</sup>				
19	August 25	Iu	e <sub>N</sub>	6 42 57				Only M faintly recorded. Approximate epicenter $13^\circ$ N $147^\circ$ E. a short distance east of Guam Island according to U. S. Coast and Geodetic Survey.
			e <sub>E</sub>	6 47 19				
			e <sub>N</sub>	6 49 00				
			F <sub>N</sub>	7 02 <sup>+</sup>				

Constants

Determined	Component	Period $T_0$	V	Damping	$\frac{r}{T_0^2}$
August 14	E	5.8	75	5.1	0.0057
	N	6.4	76	5.2 8.6 7.4	0.0049



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No.	Date	Char.	Phase	G.M. Time			Period s.	Amplitude		Remarks
				h.	m.	s.		$A_E \mu A_N$		
20	Sept. 2	Iu	e <sub>EN</sub> ?	1	42	05			The record is too faint to permit the accurate determination of the beginning of the phases.	
			e <sub>N</sub> ?	1	46	00				
			e <sub>EN</sub> ?	1	51	50				
			e <sub>E</sub>	1	53	47				
			L <sub>N</sub>	2	38	00				
			M <sub>N</sub>	2	46	00				
			M <sub>1NE</sub>	2	53	00				
			M <sub>2N</sub> F	3	04	00 21 <sup>±</sup>				
21	Sept. 10	Iu	e <sub>N</sub>	10	53	57			The first phase is quite sharp and clear but the rest are uncertain.	
			e <sub>E</sub>	10	54	06				
			e <sub>N</sub>	11	04	26				
			e <sub>N</sub>	11	05	55				
			e <sub>N</sub>	11	09	57				
			e <sub>N</sub>	11	15	19				
			L <sub>N</sub>	11	24	43				
			M <sub>N</sub>	11	59	00				
			F <sub>N</sub>	12	37 <sup>±</sup>					
22	Sept. 16	Iu	eP' <sub>E</sub>	18	17	19			Epicenter in the Pacific, apparently between the New Hebrides and the Solomon Islands.	
			eP' <sub>N</sub>	18	17	20				
			PR <sub>1E</sub>	18	18	34				
			PR <sub>1E</sub>	18	21	14				
			PR <sub>2N</sub>	18	24	19				
			PR <sub>4E</sub>	18	24	27				
			PR <sub>4N</sub>	18	27	56				
			PS <sub>EN</sub>	18	38	00				
			e <sub>N</sub>	18	47	00				
			L <sub>N</sub>	18	49	21	25	39		
			M <sub>N</sub>	18	54	00				
			M <sub>E</sub>	19	05	08	17	64		
			M <sub>1E</sub> F <sub>N</sub>	19	28 <sup>±</sup>					

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						A <sub>E</sub>	μ	A <sub>N</sub>	
23	Oct. 3	Iu	e <sub>N</sub>	19 56 23					The first nine phases are uncertain. They are obscured by wind vibrations.
			e <sub>N</sub>	20 00 45					
			e <sub>N</sub>	20 02 15					
			e <sub>N</sub>	20 03 33					
			e <sub>N</sub>	20 05 38					
			e <sub>N</sub>	20 08 36					
			e <sub>N</sub>	20 09 38					
			e <sub>N</sub>	20 10 38					
			e <sub>N</sub>	20 11 51					
			e <sub>LN</sub>	20 30 00	60				
			e <sub>MN</sub>	20 39 00	39		+160		
			M <sub>1N</sub>	20 41 20	28		+155		
			e <sub>ME</sub>	20 42 00					
			M <sub>1E</sub>	20 44 53	19	-61			
			M <sub>2N</sub>	20 50 45	18		-42		
F <sub>N</sub>	20 20 <sup>+</sup>								
24	Oct. 13	IIu	e <sub>PEN</sub>	6 12 37				Epicenter Aleutian Islands Δ=60.2=6690 km.	
			e <sub>SN</sub>	6 20 50					
			L <sub>N</sub>	6 27 00					
			M <sub>N</sub>	6 30 30					
			F <sub>N</sub>	7 18 <sup>+</sup>					
25	Oct. 13	IIu	e <sub>PEN</sub>	14 28 02				Epicenter Aleutian Islands Δ=60.2=6690 km.	
			e <sub>SEN</sub> ?	14 36 16					
			L <sub>N</sub>	14 46 23	27		+13		
			M <sub>EN</sub>	14 52 24					
			M <sub>1E</sub>	14 57 24	13	-10			
			M <sub>1N</sub>	14 58 11	15		+16		
			F	15 28 <sup>+</sup>					

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						A <sub>E</sub>	μ	A <sub>N</sub>	
26	Oct. 13	IIu	iP <sub>EN</sub>	19 18 08					Epicenter Aleu- tian Islands Δ=57°2=6360 km.
			e <sub>N</sub>	19 19 34					
			PR <sub>1N</sub>	19 20 28					
			iS <sub>EN</sub>	19 26 04					
			i <sub>N</sub>	19 27 32					
			eL <sub>N</sub>	19 33 12					
			iM <sub>N</sub>	19 43 00	17		+40		
			M <sub>1N</sub>	19 43 05	16		+30		
			M <sub>1E</sub>	19 43 44	16		-33		
			M <sub>2N</sub>	19 45 37					
			M <sub>3M</sub>	19 47 08	13			+31	
F	20 58 <sup>±</sup>								
27	Oct. 19	Ir	eP <sub>N</sub>	20 54 48					
			e <sub>N</sub>	20 55 14					
			e <sub>N</sub>	20 55 35					
			e <sub>EN</sub>	20 55 50					
			eS <sub>EN</sub> ?	20 59 24					
			iS <sub>EN</sub>	20 59 43					
			e <sub>N</sub>	20 01 35					
			eL <sub>N</sub>	20 07 00					
			M <sub>N</sub>	20 08 00					
			F	20 18 <sup>±</sup>					
28	Oct. 22	Ir	eP <sub>E</sub>	12 40 37					
			eS <sub>N</sub>	12 44 57					
			SR <sub>1N</sub>	12 45 54					
			SR <sub>3N</sub> ?	12 46 25					
			eL <sub>N</sub>	12 48 11					
			L <sub>1N</sub>	12 49 03	14		+68		
			iM <sub>N</sub>	12 49 20	11		+44		
			iM <sub>E</sub>	12 50 57	12		-41		
			F	13 20 <sup>+</sup>					

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						A <sub>E</sub> μ	A <sub>N</sub>	
29	Oct. 22	Ir	P eS <sub>N</sub> SR <sub>1N</sub> L <sub>N</sub> iM <sub>N</sub> M <sub>1N</sub> iM <sub>E</sub> M <sub>1E</sub> F	Beginning 13 45 26 13 46 22 13 48 00 13 49 21 13 50 03 13 51 06 13 51 15 14 12 <sup>±</sup>	obsured by		traffic	
30	Oct. 26	Iu	eP <sup>i</sup> <sub>N</sub> ? ePR <sub>1N</sub> e <sub>N</sub> S <sub>c</sub> P <sub>c</sub> P <sub>c</sub> S <sub>N</sub> PS <sub>N</sub> SR <sub>1N</sub> SR <sub>2N</sub> eL <sub>N</sub> iM <sub>N</sub> M <sub>1N</sub> M <sub>2N</sub> F	4 03 22 4 05 19 4 10 19 4 12 09 4 14 54 4 21 40 4 26 04 4 36 01 4 44 05 4 45 06 4 53 35 5 14 <sup>±</sup>				
31	Oct. 26	Iu	eL <sub>N</sub> iM <sub>N</sub> M <sub>1N</sub> F	5 30 00 5 49 00 6 02 00 6 18 <sup>±</sup>				Beginning ob- scured by the preceding.
32	Oct. 26	Iu	M <sub>N</sub> F	7 20 00 7 27 <sup>±</sup>				Beginning ob- scure.
33	Oct. 30	Ir	iP <sub>E</sub> iPR <sub>1E</sub> iS <sub>E</sub> eL <sub>E</sub> eM <sub>E</sub> M <sub>1E</sub> F	19 48 05 19 48 54 19 53 07 19 58 12 19 59 56 20 01 07 20 28 <sup>±</sup>		8	+7	



BULLETIN OF THE SEISMOGRAPHIC STATION  
 OF THE  
 SAINT LOUIS UNIVERSITY, SAINT LOUIS, MISSOURI, U.S.A.  
 FOR THE YEAR 1926.

No.	Date	Char.	Phase	G.M. Time			Period s.	Amplitude			Remarks	
				h.	m.	s.		A <sub>E</sub>	μ	A <sub>N</sub>		
34	Nov. 1	Iir	iP <sub>E</sub>	.1	45	26	7	-4.		Off the coast of British Columbia Δ=29°7 =3300 km. Epicenter as determined by U.S. Coast and Geodetic Survey is 49° N. and 129° W.		
			ePR <sub>1E</sub>	1	46	12						
			eS <sub>E</sub>	1	50	18						
			iS <sub>E</sub>	1	50	30						
			SR <sub>1E</sub>	1	52	18						
			SR <sub>2E</sub>	1	52	43						
			SR <sub>3E</sub>	1	53	01						
			eL <sub>E</sub>	1	55	23						
			L <sub>1E</sub>	1	55	37					10	+9
			L <sub>2E</sub>	1	56	26					13	+26
			iM <sub>E</sub>	1	57	17						
			M <sub>1E</sub>	1	57	21					12	+47
			M <sub>2E</sub>	1	58	14					10	+59
			F	2	25	±						
35	Nov. 5	Iir	eP <sub>E</sub>	8	01	03	14	-85		Nicaragua Δ=25°6=2840 km.		
			iPR <sub>1E</sub>	8	01	39						
			iPR <sub>2E</sub>	8	01	57						
			iS <sub>E</sub>	8	05	24						
			eL <sub>E</sub> ?	8	06	03						
			iM <sub>E</sub>	8	06	23						
			M <sub>1E</sub>	8	06	34					15	-113
			M <sub>2E</sub>	8	07	29						
			F	8	41	±						
36	Dec. 10	Ir	ePR <sub>1N</sub>	8	45	42	10	-8		Off the coast of northern California. Δ=27° =3000 km.		
			e <sub>N</sub>	8	46	53						
			eSR <sub>1N</sub>	8	50	41						
			iSR <sub>3N</sub>	8	51	22						
			eL <sub>N</sub>	8	54	08						
			iM <sub>N</sub>	8	55	39						
			M <sub>1N</sub>	8	56	34						
			F	9	07	±						

Constants

Determined	Component	Period T <sub>0</sub>	V	Damping	$\frac{r}{T_0^2}$
December 25	E	6	75	6.3	0.0086
	N	6.1	79	7.0 6.8 7.9	0.0071