No. 1. January 1st to 14th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14°34'41"N.$ $\lambda = 120°58'33"E.$ $h = 2.40\,m.$ Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	ε	$\frac{V}{T_0 \cdot 2}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Character	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
1	6	II_d	eP	13 18 07					Southern Luzon.
			L	18 20					
			M_N	18 29	1	1,500			
			M_E	18 2?	1		1,939		
			F	24					
2	8	I_V	iP	5 20 15					Southern Luzon.
			L	20 32					
			M_N	20 35	1	575			
			F	30					
3	11	I	e	9 17 41					
			F	32					
4	11	I_V	e	13 40 00					
			F	46					
5	11	I_V	eP	21 02 42					
			F	07					
6	12	I_T	eP	9 32 33					
			eS	36 17	5-6				
			eL	40 00	7-8				
			M_N	46 12	10	55			
			M_E	49 19	11		73		
			F	10 52					
7	12	I_V	eP	11 12 43					
			L	13 05					
			M_N	13 10	2-3	42			
			F	15					
8	12	I_V	eP	12 26 37					Northern Luzon.
			L	27 32					
			M_N	27 44	3	32			
			F	33					
9	14	I_T	eP	4 39 16					
			eS	41 51					
			eL	43 45					
			M_N	44 31	9	40			
			M_E	45 51	10		33		
			F	5 07					

No. 2. January 15th to 31st, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

Φ = 14° 34' 41" N. λ = 120° 58' 33" E. h = 2.40 m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	δ	$\frac{\delta}{T_0^2}$
A_N	6.4	4.4	0.045
A_E	6.3	3.5	0.052

No.	Date.	Character	Phase.	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
10	15	I	e	19 28 48					
			F	20 04					
11	16	I	e	12 14					
			F	28					
12	18	I	e	10 47					
			F	11 02					
13	20	I_r	eP	12 09 00					
			L	18 00					
			M_E	19 57	9		16		
			F	52					
14	20	I_v	eP	16 43 35					East-southeastern Luzon.
			L	44 16					
			M_N	44 36	3	152			
			M_E	45 12	3		177		
			F	67					
15	21	I	e	17 33					
			F	55					
16	23	I	e	0 12 46					
			F	20					
17	23	II_d	eP	20 11 27					Southern Luzon.
			L	11 45					
			M_N	12 07	3	780			
			F	22					
18	26	I	e	22 28 22					
			F	23 07					
19	28	I_v	eP	7 41 32					
			F	44					
20	30	I_r	e	3 56 05					
			F	6 17					
21	31	II_d	eP	2 05 31					Maximum and end lost by the pens thrown off through of the force of shock.
22	31	I	e	13 17 51					
			F	46					

No. 3. February 1st to 12th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41"$ N. $\lambda = 120° 58' 33"$ E. h = 2.40 m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	ε	$\frac{\varepsilon}{T_0^2}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date.	Character.	Phase.	Greenwich mean time	Period	Amplitude. $A_{\mu N}$	Amplitude. $A_{\mu E}$	Δ	Remarks.
23	2	I_V	eP	1 49 24					
			L	50 23					
			M_N	50 39	4	75			
			M_E	50 39	4		102		
			F	59					
24	2	I_V	eP	5 31 30					Southeastern Luzon.
			L	32 10					
			F	43					
25	3	I	e	11 49					
			F	12 05					
26	4	I_V	eP	1 48 31					
			L	48 45					
			M_N	48 46	1	80			
			M_E	48 48	1		73		
			F	52					
27	6	I	e	11 51 28					
			F	12 20					
28	6	I	e	14 11					
			F	28					
29	7	I_r	eP	6 56 24					
			L	7 02 00					
			M_E	03 38	8		16		
			F	35					
30	8	I	eP	15 44 46					
			F	56					
31	8	I_V	eP	17 52 49					
			L	53 16					
			F	18 04					
32	10	I	e	11 40					
			F	12 08					
33	12	I	e	8 53					
			F	9 02					

No. 4. February 12th to 16th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41''$ N. $\lambda = 120° 58' 33''$ E. $h = 2.40$ m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	ε	$\frac{T}{T_0 \pi}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date.	Character	Phase	Greenwich mean time.	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
34	12	I	e	9 43					
			F	53					
35	12	I	e	18 37 30					
			F	52					
36	13	I_v	eP	16 17 20					
			F	23					
37	14	I	e	7 16					
			F	35					
38	14	I_v	eP	7 40 03					Northwestern Luzon.
			L	40 42					
			F	49					
39	14	I_v	eP	12 49 23					
			L	49 34					
			F	52					
40	15	I_r	eP	1 26 22					
			L	34 34					
			M_E	34 50	6		49		
			M_N	35 07	5-6	42			
			F	2 05					
41	16	I_v	eP	1 34 14					
			L	34 30					
			M_E	34 32	0.5		102		
			F	38					
42	16	I_v	eP	5 33 52					
			L	34 58					
			M_N	35 07	5	75			
			M_E	35 07	5		41		
			F	40					
43	16	I	e	6 08					
			F	7 03					
44	16	I	e	11 34					
			F	12 19					

No. 5. February 17th to 25th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14°34'41"N$ $\lambda = 120°58'33"E$ h = 2.40 m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	ε	$\frac{I}{T_0^2}$
A_N	6.4	4.4	0.045
A_E	6.3	3.5	0.052

No.	Date.	Character	Phase.	Greenwich mean time.	Period	Amplitude $\frac{A}{\mu}$ N	Amplitude $\frac{A}{\mu}$ E	Δ	Remarks.
45	17	I_V	eP	17 15 13					
			F	18					
46	18	I	e	6 52 40					
			F	7 02					
47	19	I_V	eP	4 20 13					
			L	20 23					
			F	23					
48	20	I_V	eP	4 27 51					Northeastern Mindanao.
			eS	29 28					
			eL	31 03					
			M_N	32 00	5-6	50			
			M_E	32 07	6		41		
			F	5 04					
49	20	I_V	eP	9 38 08					Northeastern Mindanao.
			eS	39 50					
			eL	41 15					
			M_N	41 55	9	65			
			M_E	41 58	8		41		
			F	10 34					
50	22	I_V	eP	12 04 11					Western Luzon.
			L	04 36					
			M_N	04 40	1	90			
			F	14					
51	23	I	e	4 04 36					
			F	25					
52	24	I_V	eP	11 52 18					Western Mindanao.
			eS	54 06					
			L	55 15					
			M_E	12 00 22	9		53		
			M_N	00 40	9	48			
			F	34					
53	24	I_V	eP	21 50 08					
			L	50 25					
			F	53					

No. 6. February 26th to 28th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41''$ N. $\lambda = 120° 58' 33''$ E. $h = 2.40$m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	ξ	$\frac{r}{T_0^2}$
A_N	6.4	4.4	0.045
A_E	6.3	3.5	0.052

No.	Date.	Character.	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
54	26	I_v	eP	3 38 50					
			L	40 55					
			F	51					
55	26	I_v	eP	4 49 02					
			L	50 04					
			M_E	50 17	5		102		
			F	59					
56	26	I_r	eP	5 18 06					
			eS	23 32					
			eL	28 23					
			M_E	34 49	8		35		
			M_N	35 00	8-9	45			
			F	7 03					
57	28	I_r	ePS	6 47 52					
			L	50 12					
			F	7 35					

M. Saderra M.

No. 7. March 1st to 13th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41''$ N. $\lambda = 120° 58' 33''$ E. $h = 2.40$ m. (Alluvium.

Instrument: Wiechert's static pendulum (1.000 Kg.)

	T_0	ε	$\frac{\varepsilon}{T_0^2}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Character	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
58	4	I	e	13 24					
			F	51					
59	4	I	eP	15 31 00					
			F	16 56					
60	4	I	e	18 40					
			F	19 28					
61	6	I_v	eP	19 14 37					
			S	21 55					
			L	28 24					
			M_N	44 16	15	8			
			F	20 24					
62	6	I	e	20 50 52					
			F	21 14					
63	7	I_v	iP	11 26 05					
			eS	27 22					
			eL	29 16					
			M_E	30 28	6		31		
			F	51					
64	7	I	eP	16 02 53					
			F	19					
65	10	I_v	eP	16 30 14					
			F	33					
66	12	I_v	eP	17 41 48					Felt western Luzon.
			L	42 16					
			F	45					
67	13	I	e	4 43 00					
			F	5 25					

No. 8. March 14th to 18th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41"$ N. $\lambda = 120° 58' 33"$ E. $h = 2.40$ m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	ε	$\frac{\varepsilon}{T_0}$
A_N	6.4	4.4	0.045
A_E	6.3	3.5	0.052

No.	Date.	Character.	Phase.	Greenwich mean time.	Period.	Amplitude A_N μ.	Amplitude A_E μ.	Δ	Remarks.
68	14	I_T	eP	20 06 22					Akita Province, Japan.
			S	11 47					
			L	16 32					
			M_E	23 35	13-14		59		
			M_N	23 42	13-14	58			
			F	21 13					
69	15	I_V	eP	17 16 22					
			F	19					
70	16-17	II_V	eP	22 44 43					Felt in Samar, Leyte, Panay Islands and south-eastern Luzon.
			iL	45 32					
			M_N	50 49	1-2	1,775			
			M_E	50 50	1-2		918		
			F	0 22					
71	17	I_V	eP	6 49 12					
			L	50 11					
			F	59					
72	17	I_V	eP	16 56 48					
			L	58 38					
			M_N	17 00 52	7	438			
			F	35					
73	18	I_T	eP	4 29 15					
			eS	33 00					
			eL	36 34					
			M_E	39 26	6-7		29		
			F	5 34					
74	18	I_T	eP	6 27 02					
			S	30 42					
			L	34 00					
			M_E	36 47	8		13		
			F	7 30					

No. 9. March 18th to 28th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41''$ N. $\lambda = 120° 58' 33''$ E. h = 2.40m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	ε	$\frac{\varepsilon}{T_0^2}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date.	Character	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
75	18	I_V	eP	12 17 15					
			L	17 39					
			M_N	17 41	1	52			
			F	24					
76	21	I_V	eP	15 08 56					Northeastern Luzon.
			F	14					
77	22	I	ePS	18 16 00					
			L	18 29					
			M_N	19 29	6	25			
			F	50					
78	25	I_V	eP	3 26 21					
			L	26 44					
			F	29					
79	25	I	e	8 21 33					
			F	43					
80	25	I_V	eP	17 52 12					
			L	52 35					
			F	56					
81	28	I_V	eP	7 25 34					
			L	25 48					
			M_E	25 51	1		20		
			F	29					
82	28	I_V	eP	7 32 24					
			L	32 39					
			M_E	32 47	1-2		49		
			F	41					
83	28	I_V	eP	8 42 06					
			L	42 16					
			F	45					

No. 10. March 28th to 31st, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 36' 41''$ N. $\lambda = 120° 58' 33''$ E. $h = 2.40$ m. Alluvium.

Instrument: Wiechert's stable pendulum (1,000 Kg.)

	T_0	ε	$\frac{\varepsilon}{T_0^2}$
A_N:	6.4	4.4	0.046
A_E:	6.3	3.5	0.052

No.	Date	Character	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
84	27	I_r	eP	9 18 16					
			L	18 28					
			F	21					
85	28	I_r	eP	10 49 36					
			eS	54 54					
			eL	59 08					
			M_N	11 00 12	11	125			
			M_E	01 50	12		82		
			F	52					
86	30	I	e	1 01					
			F	2 54					
87	31	I	eP	0 29 53					
			L	31 30					
			F	46					

M. Saderra M.

No. 11. April 1st to 2nd, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14°34'41"N.$ $\lambda = 120°58'33"E$ $h = 2.40$ m. (Illuvium.

Instrument: Wiechert's static pendulum (1.000 Kg.)

	T_0	ε	$\frac{r}{T_0^2}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Character	Phase	Greenwich mean time	Period	Amplitude A_N	Amplitude A_E	Δ	Remarks.
88	1	I_v	eP	22 13 00					Felt in Bolinao and Baguio (W of Luzon).
			L	13 23					
			M_N	13 26	3	70			
			F	19					
89	2	I_v	eP	13 33 49					
			L	34 04					
			F	38					
90	2	I_v	eP	13 56 11					
			L	56 26					
			F	14 00					
91	2	II_d	eP	17 49 40					Registered at Ambulong (S of Luzon).
			L	49 55					
			M_N	50 10	3-4	1,250			
			F	18 12					
92	2	I_v	eP	18 01 47					
			F	04					
93	2	I_v	eP	18 15 43					
			L	15 68					
			F	20					
94	2	I_v	eP	18 21 32					
			L	21 47					
			F	25					
95	2	I_v	eP	18 41 07					
			L	41 22					
			M_N	41 32	1-2	65			
			F	47					
96	2	I_v	eP	19 06 06					Registered at Ambulong (S of Luzon).
			L	06 21					
			F	10					
97	2	I_v	eP	20 29 24					
			F	32					

No. 12. April 2nd to 4th, 1914.

Manila, P.I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41''$ N. $\lambda = 120° 58' 33''$ E. $h = 2.40$ m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T.	ε	$\frac{\varepsilon}{T_0^2}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Character	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
98	2	I_V	eP	21 04 50					
			L	05 05					
			M_N	05 18	4	50			
			F	12					
99	2	I_V	eP	22 28 16					
			F	31					
100	3	I_V	eP	0 02 13					Registered also by the seismograph of Ambulong (S of Luzon).
			L	02 29					
			M_N	02 45	2-3	47			
			F	08					
101	3	I_V	eP	3 06 10					Do.
			L	06 26					
			M_E	06 33	2-3		53		
			F	11					
102	3	I_V	eP	6 40 00					Do.
			L	40 15					
			M_N	40 23	1-2	18			
			F	43					
103	3	I_V	eP	6 02 00					Do.
			L	02 15					
			M_E	02 22	2-3		290		
			M_N	02 26	2-3	275			
			F	18					
104	3	I_V	eP	9 14 31					End overtaken by following earthquake.
			L	14 46					
105	3	I_V	eP	9 15 44					
			L	15 59					
			F	20					
106	3	I_I	e	21 47					
			F	22 32					
107	4	I_V	eP	0 57 52					
			F	1 01					

No. 13. April 4th to 9th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41''$ N. $\lambda = 120° 58' 33''$ E. $h = 2.40$ m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	ε	$\frac{T}{T_0^2}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Character	Phase	Greenwich mean time	Period.	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
108	4	I_V	eP	0 57 52					
			L	58 08					
			F	1 01					
109	4	I_V	eP	2 24 49					
			F	29					
110	4	I_V	eP	9 53 20					
			F	56					
111	4	I_V	eP	10 24 09					
			L	24 25					
			M_N	24 27	2	67			
			F	31					
112	4	I_V	eP	18 08 28					
			F	12					
113	4	I_V	eP	18 42 05					
			F	46					
114	4	I_V	eP	20 50 46					
			F	53					
115	5	I_V	eP	6 22 25					
			F	25					
116	7	I_V	eP	18 56 34					
			F	59					
117	8	I	e	12 16					
			F	35					
118	9	I_T	eP	3 46 30					
			L	54 33					
			F	4 38					
119	9	I	e	5 19.2					
			F	33					
120	9	I	eP	9 30 40					
			F	55					

No. 14. April 9th to 24th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14°34'41"N.$ $\lambda = 120°58'33"E.$ $h = 2.40m.$ Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	ε	$\frac{T}{T_0^2}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Instrument	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
121	9	I_v	eP	18 08 44					
			iL	09 10					
			M_N	09 12	2	150			
			F	16					
122	10	I_v	eP	5 52 21					
			F	55					
123	11	I_u	eP	16 39 10					
			eS	46 03	5-6				
			eL	52 56	10-11				
			M_E	57 30	17		133		
			M_N	59 09	12	105			
			F	18 52					
1	9	I	e	19 55					
			F	20 13					
	17	I_v	eP	10 54 05					
			eL	54 30					
			M_E	54 36	1		184		
			M_N	54 39	1-2	260			
			F	11 12					
		II_v	eP	3 46 37					North of Luzon.
			L	47 17					
			M_N	47 23	2-3	600			
			M_E	47 23	3-4		490		
			F	4 15					
127	20	I_u	eP	13 49 48					
			S	58 14					
			M_E	14 14 32	17		8		
			M_N	14 44	11	10			
			F	53					
128	22	I	e	7 21					
			F	32					
129	23	I	e	16 39					
			F	51					

No. 15. April 25th to 30th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41''$ N. $\lambda = 120° 58' 33''$ E. $h = 2.40$ m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kg.)

	T_0	ε	$\frac{\varepsilon}{T_0}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Character	Phase.	Greenwich mean time.	Period.	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
130	25	II$_V$	eP	14 39 07					Felt in northern Luzon.
			L	39 53					
			M_N	40 26	3-4	462			
			M_E	40 43	4-5		300		
			F	15 01					
131	27	I$_V$	eP	21 38 52					
			L	39 04					
			M_E	39 06	1-2		286		
			F	46					
132	28	I	e	11 40					
			F	12 08					
133	29	I$_V$	eP	4 37 46					
			F	46					
134	29	I$_V$	e	8 37					
			eS	39 12					
			eL	42 08					
			M_N	44 53	9	15			
			F	9 19					
135	30	I	e	10 16					
			F	44					

M. Saderra M.

No. 16. May 1st. to 19th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41''$ N. $\lambda = 120° 58' 33''$ E. $h = 2.40$ m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kgs.)

	T_0	δ	$\frac{T}{T_0 \pi}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Character	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
136	1	I	e	5 43					
			F	6 50					
137	4	I_V	eP	4 16 46					
			L	17 04					
			F	21					
138	9	I	e	0 44 00					
			M_N	53 38	8	15			
			F	1 22					
139	12	I	eP	20 50 03					
			L	50 38					
			M_N	50 51	3	111			
			F	21 06					
140	14	I	e	0 27 32					
			F	52					
141	14	I_V	eP	20 47 15					
			L	47 29					
			F	50					
142	15	I_V	eP	12 47 05					
			L	47 23					
			F	51					
143	17	I_V	eP	7 58 00					
			L	59 17					
			M_N	59 28	4	62			
			F	8 22					
144	18	I_T	eP	3 22 01					From the Horizontal Pendulums. Time signal not working in the Wiechert seismograph.
			L	25 48					
			F	47					
145	18-19	I_T	eP	23 50 41					Do.
			L	59 06					
			F	0 24					
			M_N	21 28	11	40			

No 17. May 19th to 25th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41''$ N. $\lambda = 120° 55' 33$ E. $h = 2.40$ m. Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kgs).

	T_0	ε	$\frac{\varepsilon}{T_0^2}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Character	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
146	19	I_v	eP	0 30 54					Felt in northern Luzon. From the Horizontal Pendulum. Time signal not working in the Wiechert seismograph.
			L	31 56					
			M_N	32 19	7	27			
			F	42					
147	19	I	e	4 48 25					From the Horizontal Pendulum. Time signal not working in the Wiechert seismograph.
			M_N	56 32	8	20			
			F	5 14					
148	19	I	e	6 44 46					Do.
			F	7 05					
149	19-20	I	eP	23 49 26					Do
			L	52 01					
			F	0 26					
150	20	I_v	eP	14 48 00					Felt central Luzon.
			L	48 15					
			M_E	48 23	1-2		245		
			M_N	48 25	1-2	262			
			F	15 01					
151	21	I_v	eP	4 52 50					
			L	56 21					
			F	5 23					
152	22	II_v	eP	9 53 55					Felt southern Luzon.
			L	54 07					
			M_N	55 06	4-5	1,075			
			F	10 21					
153	24	I	eP	15 02 02					
			L	04 11					
			F	14					
154	25	I	eP	3 15 03					End overtaken by following earthquake.
			eS	16 58					
			eL	19 16					
			M_E	21 00	11		53		
			M_N	21 28	11	40			

No. 19. June 1st. to 19th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

φ=14°34'41"N. λ=120°58'33"E. h=2.40 m. (Alluvium.

Instrument: Wiechert's static pendulum (1,000 Kgs.)

	T.	ε	$\frac{V}{T}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Character	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
161	2	I_v	eP	3 45 22					
			L	46 10					
			F	49					
162	4	I_v	eP	3 05 57					
			L	06 19					
			F	11					
163	4	I_v	eP	15 35 28					Mindoro Sea.
			eL	36 23					
			M_N	36 48	4-5	123			
			M_E	36 52	5-6		114		
			F	16 05					
164	6	I_v	eP	11 43 44					
			iL	44 06					
			F	50					
165	7	I_v	eP	20 33 51					
			iL	36 39					
			M_N	36 45	6	43			
			F	57					
166	9	I_v	eP	5 28 00					
			L	28 24					
			M_N	28 29	3-4	18			
			F	33					
167	11	I	e	23 03					
			F	25					
168	12	I	e	8 32 36					
			F	51					
169	14	I	eP	20 21 23					
			F	36					
170			P	14 15 00					
				20					

No. 20. June 20th to 25th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14° 34' 41''$ N. $\lambda = 120° 58' 33''$ E. h = 2.40 m. Albuminum.

Instrument: Wiechert's static pendulum (1,000 Kgs.)

	T_0	ε	$\frac{V}{T_0 \cdot 2}$
A_N	6.4	4.4	0.045
A_E	6.3	3.5	0.052

No.	Date	Character	Phase	Greenwich mean time	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
171	20	I_T	eP	7 29 44					
	//		i_E	31 13	5				
			i_N	34 03	9				
			eS_E	35 14					
			eS_N	35 24					
			i_E	38 13	6				
			i_N	39 53	7				
			eL_E	40 32					
			eL_N	40 50					
			M_E	43 35	8		65		
			M_N	43 46	8	88			
			F	9 05					
172	20	I_T	eP	10 33 22					
			L	42 00					
			F	11 12					
173	20-21	I_T	eP	23 45 20					
			L	54 00					
			M_N	55 41	8	25			
			F	0 22					
174	21	I	e	9 13 25					
			F	52					
175	23	I	e	11 03 53					
			F	31					
176	25	I_V	eP	0 11 54					
			L	12 15					
			M_N	12 36	1	75			
			F	25					
177	25	II_T	eP	19 13 02					
	//		iS	17 48					
			iL	21 47					
			M_N	24 44	8	475			
			M_E	25 46	10		561		
			I	21 32					

No. 21. June 26th to 30th, 1914.

Manila, P. I.

Seismological Bulletin of the Observatory.

$\varphi = 14°34'41''N.$ $\lambda = 120°59'33''E.$ h = 2.40 m. Alluvium.

Instrument: Wiechert's static pendulum. (1,000 Kgs.)

	T_0	ε	$\frac{\varepsilon}{T_0^2}$
A_N:	6.4	4.4	0.045
A_E:	6.3	3.5	0.052

No.	Date	Character.	Phase	Greenwich mean time.	Period	Amplitude A_N μ	Amplitude A_E μ	Δ	Remarks.
178	26	I	e	4 59 53					End overtaken by following earthquake.
179	26	I	e	6 02 18					
			F	36					
180	28	I_V	eP	7 32 53					
			L	33 10					
			M_N	33 29	2	220			
			F	39					
181	28	I_V	eP	18 44 29					
			L	44 43					
			M_N	44 54	1	112			
			F	50					
182	30	II_V	eP	15 56 15					Northern Luzon.
			eL	56 51					
			M_E	56 56	4		989		
			M_N	57 08	3	775			
			F	16 26					
183	30	I_V	eP	17 05 28					Eastern Visayas.
			F	17					

M. Saderra M.