No. 1 from Jan 2 to 16 1914

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

$\varphi = 25° 02' 19''$ $\lambda = 121° 30' 41''$ h = 9.3 m Underground ; alluvium.

Instrument ; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_o	ε	$\frac{\gamma}{T_o^2}$
AN				
AE	20	30		
AZ				

Number and Date	Phase	Time h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	△ km	Remarks
1 Jan 2	PS.	21 40 04.0						Barometer
	LHN	21 40 15.4	1.0	92				may be
	F	21 42 28.1						
2 " 4	PS.	6 19 48.3						Barometer
	LHN.	6 19 54.1	1.5	46				may be
	F	6 21 06.0						?
3 " 12	PS.	11 02 09.0						T. M. Obs
	F	11 04 07.2						near Kawanishi
4 " 12	PS.	12 05 25.0						NE Coast Formosa
	PP	12 06 17.8						T. M. Obs "
5 " 12	PS.	17 30 32.3					165	
	PL	17 33 01.3						Origin in
	M_{ZN}	17 34 49.3			4.300			Kyushu Japan
	M_{ZN}	17 35 41.0	11.0		-235			
	E_{BN}	17 37 19.2	10.1		310			
	E_{ZN}	17 40 12.7	12		115			
	F	17 58						
6 " 16	E	3 28 59.5						
	F	4 17 07.0						

No. 2 from Jan 19 to 28 1914

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

φ=25° 02′ 19″ λ=121° 30′ 41″ h=9.3 m Underground ; alluvium.

Instrument ; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_o	ε	$\frac{\gamma}{T_o^2}$
AN				
AE	20	24		0.00054
AZ				

Number and Date	Phase	Time h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	△	Remarks
Jan. 19	PS.	3 11 40.2						Tromometer mag.
	F	3 12 33.7						
- 20		20 07 23.7						
	F	21 07 07.4						
- 21	PS.	6 21 22.3						
	F	6 29 06.0						
10 - 21	PS.	18 30 25.0					121	Tromometer magnetic
	PL	18 30 41.4						
	M.	18 30 42.5	1.5	+33				
	F	18 32 17.4						
11 - 27	P	6 31 14.7						
	F	6 35 49.5						
12 - 27	PS.	15 51 57.0					123	Tromometer magnetic
	PL	15 52 [illegible]						
	M.	15 52 18.3	1.0	+21				
	F	15 53 59.3						
- 27	PS.	16 -- 41.0						"
	PL M.	16 -- 53.5	1.0	-23			91	
	F	16 02 01.5						
	PS.	16 19 54.0						
14 - 28	PL M.	16 20 05.7	1.0	-8			90	"
	F	16 21 28.1						
15 - 28	PS.	20 26 04.0						
	PL	20 26 20.2					123	"
	M.	20 26 47.0	1.0	-32				
	F	20 28 07.8						

No. 3

from Jan 30 to Feb 5 1914

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

φ=25° 02′ 19″ λ=121° 30′ 41″ h=9.3 m Underground ; alluvium.

Instrument ; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_o	ε	$\frac{\gamma}{T_o^2}$
AN				
AE	20	24		0.00054
AZ				

Number and Date	Phase	Time (120° E.) h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	△ km.	Remarks
16 Jan 30	e	11 18 [illegible]						
	eF	11 18 [illegible]						
17 " 30	eP.	12 07 27.0					885-0.	
	eS.	12 17 47.0						
	eL	12 28 [illegible]						
	M1	12 32 25.5	22.0		T 135			
	M2	12 37 47.0	21.4		-240			
	F.	13 40 35.0						
18 Feb. 1	P.S.	9 57 13.0					100	NE 2nd Zone of Formosa
	PL	9 57 [illegible]						
	M	9 57 [illegible]	2.0		-600			
	F	14 [illegible] 053						
19 " 1	P.S.	23 24 04.7						
	LH.	23 24 18.2	2	-148			87	Ironwater, Mag. = 120.
	F	23 26 33.6						
20 " 2	P.S.	22 12 30.0						
	F	22 13 42.8						
21 " 3	P.S.	14 43 42.8						
	F	14 44 22.0						
22 " 5	P.	5 34 07.4						
	LH	5 34 [illegible]	2.0	-25			187	Ironwater, Mag. = 120. near Taito. (SE 2nd Zone of Formosa)
	F	5 37 10.0						

No. 4

from Feb 7 to 13 1914

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

ϕ=25° 02′ 19″ λ=121° 30′ 41″ h=9.3 m Underground ; alluvium.

Instrument ; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_0	ε	$\frac{\gamma}{T_0^2}$
A_N				
A_E	20	24		0,00054
A_Z				

Number and Date	Phase	Time h m s	Period s	Amplitude A_N μ	 A_E μ	 A_Z μ	$\triangle$	Remarks

No. 5 from Feb 13 to 23 1914

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

φ=25° 02′ 19″ λ=121° 30′ 41″ h=9.3 m Underground ; alluvium.

Instrument ; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_o	ε	$\frac{\gamma}{T_o^2}$
AN				
AE	20	24		0.00054
AZ				

Number and Date	Phase	Time h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	Δ Km.	Remarks
31. 13.	P.S.	12 07 23.0						Transmitted Fig. 120
	F	12 [illegible] [illegible]						
32 " 14.	P.	8 [illegible] 12.0						"
	S.	8 [illegible] 23.0	1.5	+127			156	
	F	8 51 [illegible]						"
33. " 16	P.S.	3 08 20.0						end overtaken by following earthquake
	F	—						
34 " 16	P.S.	3 10 00.8						Transmitted Fig. 120
	F	3 12 [illegible]						
" " 18	P.S.	14 34 17.0						"
	F	14 35 [illegible]						
36 " 20	P.S.	6 07 30.0					123	"
	L	6 07 46.8						
	M.	6 08 03.6	1.0	+25				
	F	6 12 00.[illegible]						
37 " 21	P.S.	14 46 11.0						NE coast of Formosa.
	L.H.	14 46 24.0	1.2	+300			97	
	F	14 50 47.[illegible]						
38 " 22	P.S.	0 [illegible] 5[illegible]					81	"
	L.H.	0 38 01.[illegible]						
	F	0 [illegible] 13.0						
39 " 23	P.S.	2 35 03.0						"
	F	2 36 49.3						

No. 6 from March 4th to 15th 1914

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

$\varphi = 25° 02' 19''$ $\lambda = 121° 30' 41''$ h = 9.3 m Underground; alluvium.

Instrument; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_o	ε	$\frac{\gamma}{T_o^2}$
AN				
AE	20	24		0.00694
AZ				

Number and Date	Phase	Time h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	Δ Km.	Remarks
March 4	P.S.	22 32 40.0	22	80			107	seismometer mag. 12
	L.M.	22 32 54.4						
	F	22 33 17.0						
4	P.S.	22 36 25.0						
	F	22 37 07.4						
4	P	23 33 48.7						
4	F	00 50 06.5						
4	P	2 48 01.3						
4	F	3 31 18.1						
6	P.S.	4 48 56.0						
6	F	4 49 28.1						
7	P	2 21 28.1						
7	F	3 04 34.8						
7	P	3 39 02.8						
7	F	4 07 31.7						
7	P.S.	8 26 41.1						
7	L.M.	8 26 49.3		10	19		67	seismometer mag. 12
	F	8 27 31.2						
9	P	16 11 13.0						
9	F	16 12 04.8						
	P	4 04 52.0					2550	地震大概
	S							
	L	4 09 31.5						
	M_1	4 13 14.7		18.0		1300		
	M_2	4 14 34.5		15.8		600		
	M_3	4 18 19.8		13.5		275		
5	F	5 04 53.0						

No. 7 from March 17 to 28 1914

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

$\varphi = 25° 02' 19''$ $\lambda = 121° 30' 41''$ h = 9.3 m Underground; alluvium.

Instrument; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_o	ε	$\frac{\gamma}{T_o^2}$
AN				
AE	20	24		0.00054
AZ				

Number and Date	Phase	Time h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	△ km	Remarks
March 17	P.S.	0 47 41.8						Tromometer mag. 120
	M.	0 49 57.8	2.4	-21				
	F	0 53 41.8						
" 18	P	12 37 37.2			-			
	F	13 33 21.3						
	P	14 28 37.6						
	F	15 09 21.2						
" 19	P.S.	10 01 35.0						
	F	10 01 35.0						Tromometer mag. 120
" 21	P	0 21 37.2					26	
	P.S.	0 37 10.2						"
	M	0 37 33.1	2.5	-27				
	F	0 37 14.2						
" 21	P.S.	0 37 25.1						"
	F	0 40 47.2						
" 23	P.S.	21 27 31.1						"
	F	21 32 21.1						
	P	20 38 12.4					108	
	M	20 48 01.8	1.4	-22				
	F	20 49 01.2						
" 28	P	1 58 10.7						"
	F	2 33 50.1						

No. 8 from *March 28* to *30* 1914

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

φ=25° 02′ 19″ λ=121° 30′ 41″ h=9.3 m Underground ; alluvium.

Instrument ; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_0	ε	$\frac{r}{T_0^2}$
AN				
AE	20	*24*		*0.00054*
AZ				

Number and Date	Phase	Time (120° E.) h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	△ km.	Remarks
10. March 28	P.S.	1 27 48.0					112	NE Sea of Formosa.
	L	1 29 [illegible]						
	M	1 [illegible] [illegible]			±522			
	F	4 36 19.1						
11 " 28	e	11 13 32.7					2012	
	L	11 37 7.1						
	M1	12 5 40.3	17.1		±590			
	M2	12 15 23.4	12.0		∓670			
	M3	12 [illegible] [illegible]	8.0		±230			
	F	15 47 34.0						
12 " 28	e	21 28 45.0						
	F	21 44 21.4						
13 " 29	P.S.	3 26 39.1					62	
	L.M.	3 26 44.8			∓20			
	F	3 27 40.3						
14 " 30	e	7 22 35.0						
	F	11 24 38.5						
15 " 30	P.S.	13 53 14.3						
	F	13 56 31.6						

No. 9

from April 4 to 15 1914

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

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Instrument ; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_o	ε	$\frac{\gamma}{T_o^2}$
AN				
AE	20	24		0,00054
AZ				

Number and Date	Phase	Time h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	△	Remarks
4	P	5 14 25.5					Km.	
	F	5 22 39.0						
4	P	5 40 49.0						
	F	5 51 25.0						
4	P	6 1 49.0						
	F	6 11 14.0						
4	P	6 [illegible]						
	F	6 [illegible]						
6	P	12 10 12.4		17			111.	Tromometer mag. =120.
	F	12 10 25.6	1.4	138			99	"
	F	12 12 29.0						
9	P	11 57 20.3						
	F	12 23 [illegible]						
11	P.S.	16 37 31.0						
	F	16 39 27.5						Tromometer. mag. =120
11	P.S.	21 41 20.1						
	F	21 42 [illegible]						"
12	P	0 38 40.9					81	
	S	0 47 25.9						
	L	0 55 17.3						
	M1	0 59 51.2	20.1		+1154			
	M2	1 03 [illegible]	.21		+ 210			
	M3	1 06 12.0	17.8		− 275			
	E1	1 12 45.0	17.8		− 112			
	E2	1 17 [illegible]	17.2		− 110			
	F	2 39 [illegible]						
12	P.S.	2 21 06.1						Tromometer mag. =120.
	F	2 22 48.5						
12	P.S.	19 13 14.0						
	F	19 14 39.2						"
15	P.S.	1 34 23.0						
	L.Y.	1 34 33.8	1.4	110			82.	"
	F	1 35 33.0						

No. 10

from 1b to 28. April 191 7

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

$\varphi = 25° 02' 19''$ $\lambda = 121° 30' 41''$ h = 9.3 m Underground; alluvium.

Instrument; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_o	ϵ	$\frac{\gamma}{T_o^2}$
AN				
AE	20	24		0.00058
AZ				

120° E

Number and Date	Phase	Time h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	Δ km	Remarks
77 April 16	P.S.	16 36 39.0					152.	
	L	16 37 00.0						
	M	16 37 09.2	2.0		−7.0			
	F	16 43 21.0						
78 " 24	P.S.	19 51 20.0						Chronometer. mag=120
	F	19 52 58.4						
79 " 25	P.S.	22 40 42.0						
	L	22 41 49.2						"
	M	22 42 07.6	1.5	−5.4				
	F	22 45 34.0						
80 " 26	P.S.	7 45 38.9						"
	F	7 47 13.4						
81 " 27	P	10 26 41.3						
	F	11 10 47.5						
82 " 28	P.S.	4 21 31.0					80	N^m Formosa.
	L	4 21 37.3						
	M.	4 21 51.9	1.6		+2.1.0			
	F	4 24 07.7						
83 " 28	P.S.	10 14 14.00.0						
	LM.	10 14 5-20.0	1.5	+6.8				Chronometer. mag=120
	F	10 16 32.8						

No. 11 from 4 to 16 May 1914

TAIHOKU, FORMOSA JAPAN

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Instrument ; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_o	ε	$\frac{\gamma}{T_o^2}$
AN				
AE	20	24		.00058
AZ				

120 E.

Number and Date	Phase	Time h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	△ km	Remarks
84 May 4	P.S.	22 43 41.8						Tromometer
	F	22 44 3.0						
6	P.S.	2 09 05.0						
	L.M.	2 09 45.0	1.7	-30				"
	F	2 11 59.4						
86	9 P.S.	20 20 05.6						"
	L	20 20 36.0						
	M	20 20 39.6	1.6	-52				
	F	20 23 29.6						
87	10 P.S.	16 49 49.0						"
	L.M	16 50 07.1	1.5	-25				
	F	16 52 05.0						
88	13 P.S.	18 30 49.0						"
	F	18 32 33.1						
89	16 P.S.	3 12 57.0						"
	L.M.	3 13 35.3	-	-100				
	F	3 15 37						
90	16 P.S.	3 32 29.0						"
	F	3 33 31.1						
91	16 P.S.	5 28 50.0						"
	F	5 30 38.8						
92	16 P.S.	12 01 30.0						"
	F	12 02 37.2						
93	16 P.S.	17 35 35.0						"
	F	17 37 19.1						

No. 12. from 18 to 25 May 1914.

TAIHOKU, FORMOSA JAPAN

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Instrument; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_o	ε	$\frac{\gamma}{T_o^2}$
AN				
AE	20	24		0.00054
AZ				

Number and Date	Phase	120° E Time h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	△ km	Remarks
94 May 18	P.	11 19 35.0	1.2		+270			
	L.M.	11 19 51.6						
	F	11 44 01.0						
95 " 19	e	12 53 40.0						
	f	13 22 31.8						
96 " 20	e	7 52 41.3						
	f	8 34 20.0						
97 " 21	e	16 43 18.6						
	f	17 22 10.9						
98 " 23	P.S.	20 23 25.6						Barometer max. = 12a
	F	20 21 [illegible]						
99 " 24	P.S.	11 14 46.0					238	
	L	11 15 19.5						
	M	11 15 35.2	1.5	+90				3
	F	11 23 14.8						
100 " 25	P.S.	11 24 54.6						
	L.	11 25 31.0						
	M.	11 25 47.7	2.3	+58			248	1
	F	11 35 12.5						

No. 13

from 3 to 31 Dec. 191 1

TAIHOKU, FORMOSA JAPAN

Seismic Bulletin

of the Taihoku Meteorological Observatory

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Instrument ; Omori Horizontal Pendulum. (mass 16 kg.)

	V	T_0	ε	$\frac{\gamma}{T_0^2}$
AN				
AE	20	24		0.00084
AZ				

Number and Date	Phase	120° E Time h m s	Period s	Amplitude AN μ	Amplitude AE μ	Amplitude AZ μ	Δ km	Remarks
101 Dec. 24	iP	22 29 21.0					5090	
	iS	–						
	iL	22 35 11.0	23?		+52?			
	M_1	22 36 24.0	–		>5000	計算出		
	C_1	22 59 48.0	12		−2000			
	C_2	23 06 14.0	13		+700			
	F	1 54 25.0						
102 " 28	PS.	10 49 46.0						
	F	10 51 12.0						
103 " 29	iP	12 53 17.1					5370	
	iS	12 59 34.5						
	iL	13 05 08.1						
	M_1	13 07 10.1	21.6		+1340			
	M_2	13 08 40.4	17.4		+835			
	M_3	13 10 12.9	15.4		−400			
	F	14 51 04.9						
104 " 31	PS.	3 14 04.0						
	F	3 15 25.0						
105 " 31	PS.	6 44 41.0						
	L.	6 45 12.4					210	
	M.	6 45 38.8	15		−510			
	F	7 02 03.1						
106 " 31	PS.	11 51 43.0						
	F	11 52 38.2						