

SHUICHINGTAI SEISMO STATION, NANKING

Issued by the Geophysical Laboratory,
National Geological Survey of China,
942 Chukiang Road, Nanking, 5, CHINA.

Mar. - Dec., 1947

Location: $118^{\circ} 47.9' E$, $32^{\circ} 02.8' N$, $727 m$

Instruments: 1 100-kg Hori. Pendulum E-W Component,
1 100-kg Hori. Pendulum N-S Component.

Constants: $T_E = 4.5 \text{ sec.}$, $M_E = 100 \text{ kg}$, $V_{OE} = 165$,
 $(r T_O^2)_E = 0.043$, $s_E =$.

$T_N = 4.2 \text{ sec.}$, $M_N = 100 \text{ kg}$, $V_{ON} = 175$,
 $(r T_O^2)_N = 0.028$, $s_N =$.

τ = Period of earth movement,

A = Unreduced double amplitude,

Δ = Distance from epicenter.

No.	Date	Phase	Time GMT h m s	τ sec	A mm	Δ deg.	Remarks
110	Mar. 2	e ₁	20 20 57			42° ca.	
		e ₂	20 27 18				
		F	20 41 --				
111	Mar. 11	P	09 35 59			9.0°	
		S	09 37 47				
		F	10 01 --				
112	Mar. 17	iP	08 24 23			24°	Epc.: 20° N, 100° E, Sikang Province, CHINA (USCGS prel. report)
		iS _E	08 27 46				
		iS _N	08 27 39				
		S ₁	08 28 16				
		iLN	08 29 14				
		iE ₁	08 30 43	6	79		
		iN ₁	08 29 49	6	71		
		M _{E2}	08 32 48	7	85		
		M _{N2}	08 33 08	4	77		
		F ₁₂	10 34 --				
113	Mar. 17	e	14 58 00				
		F	15 08 --				
114	Mar. 19	e	01 05 58				
		F	01 15 --				
115	Mar. 27	P	17 03 36			8°	
		(S)	17 05 11				
		F	17 18 --				
116	Mar. 31	e	14 04 30				
		F	14 13 --				
117	Apr. 2	P	05 47 14			39°	Epc.: 1° S, 141° E, off northern coast of New Guinea. (USCGS prel. report)
		S _E	05 53 11				
		S _N	05 53 13				
		F	06 54 --				
118	Apr. 2	P	20 52 42			11.5°	
		S	20 52 02				
		i	20 52 16				
			20 52 52	4	60		
			20 52 52	4	22		

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No.	Date	Phase	Time GMT	sec	A	Δ	Remarks
			h m s		mm	deg.	
118 Apr.	2	P	20 49 47			11.4°	
		S	20 52 02				
		iL	20 53 16				
		ME	20 52 52 ³	4	60		
		M _N	20 52 52	4	12		
		F	21 23 --				
119 Apr.	2	e ₁	21 24 18				
		e ₂	21 26 24				
		F	21 34 --				
120 Apr.	4	eP	01 09 22			7.8°	
		i _{N1}	01 09 41				
		S	01 10 54				
		i _{N2}	01 11 11				
		ME	01 12 07	5	18		
		M _N	01 12 19	3	16		
		F	01 28 --				
121 Apr.	9	e	12 10 45				
		F	12 21 --				
122 Apr.	9	e	14 16 18				
		F	14 30 --				
123 Apr.	11	e ₁	14 32 16			13°	
		e ₂	14 34 56				e ₂ probably S
		ME	14 36 28	3	7.5		
		M _N	14 36 30	3	6.5		
		F	15 00 --				
124 Apr.	14	P	07 21 04			26.7° Epc.: 45° N, 146.5° E,	
		S	07 25 42			off northeast coast	
		L	07 28 32			of Hokkaido, Japan.	
		ME	07 32 51	17	7	(USCGS prel. report)	
		M _N	07 33 29	17	4		
		F	08 17 --				
125 Apr.	19	e	01 20 58			6°	
		(S)	01 22 09				
		F	01 30 --				
126 Apr.	23	e ₁	13 41 29				
		e ₂	13 43 30				
		F	13 53 --				
127 Apr.	30	eP	07 47 41			7°	
		eS	07 49 03				
		F	08 00 --				
128 May	6	eL	20 38 20			47°	Epc.: 7° S, 150° E,
		eS	20 45 09				200 miles off southern
		F	21 46 --				coast of New Guinea.
							(USCGS prel. report)
129 May	9	e	14 12 08				
		F	14 19 --				
130 May	9	e	15 42 40			9.5°	
		eS	15 44 31				
		F	15 57 --				
131 May	25	e	23 02 08				
		S	23 04 19				
		ME	23 05 19	4	5.5		
		M _N	23 05 04	4	5.5		
		F	23 22 --				

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Date	Phase	Time GMT			τ	A	Δ	Remarks
		h	m	s	sec	mm	deg.	
2 May 27	iP	06	06	06			36°	Epc.: 2° S, 141° E, off north coast of New Guinea. (USCGS prel. report)
	i	06	07	35				
	iS	06	11	45				
	ME	06	17	31	15	6		
	MN	06	17	08	13	4.5		
	F	07	11	--				
3 Jun. 7	e	05	11	37				
	F	05	27	--				
4 Jun. 7	iP	18	52	43			22.5°	Epc.: 11° N, 127° E, near Samar, Philippine Islands. (USCGS prel. report)
	SE	18	56	45				
	iS	18	56	48				
	F	19	44	--				
5 Jun. 12	P	09	08	49			29.5°	Epc.: 1° N, 127° E, near Gilolo Islands (USCGS prel. report)
	S	09	13	45				
	eL	09	17	28				
	F	10	21	--				
6 Jun. 13	P	20	30	18			25.6°	Epc.: 19° N, 146° E, 400 miles north of Guam. (USCGS prel. report)
	S	20	34	43				
	L	20	36	50				
	F	21	23	--				
7 Jun. 13	P	23	55	55			27°	
	S	00	00	34				
	F	00	34	--				
8 Jun. 19	P	07	40	21			25°	Epc.: 22° N, 146° E, 600 miles north of Guam. (USCGS prel. report)
	S	07	44	46				
	iN	07	47	07				
	F	08	29	--				
9 Jun. 30	e	08	59	18				
	F	09	13	--				
10 July 10	eE	19	40	09				
	eN	19	40	03				
	F	19	40	--				
11 July 19	eE	14	16	16				
	eN	14	16	12				
	F	14	24	--				
12 July 29	iPE	13	48	25			22°	Epc.: 29.5° N, 97° E, (USCGS prel. report)
	iPN	13	48	28				
	iS	13	52	26				
	iL	13	54	38				
	ME1	13	56	24	5	30		
	ME1	13	56	26	5	25		
	ME1	13	59	26	7	28		
	MN2	14	00	16	6	40		
	ME3	14	06	50	10	10.5		
	MN3	14	08	32	13	12		
	F	15	00	--				
13 Sept. 23	eE1	12	36	51				Epc.: 26° N, 126° E, Eastern Sea, off east coast of China. (USCGS prel. report)
	eN1	12	37	01				
	eE2	12	42	44				
	eN2	12	42	51				
	eE3	12	55	44				
	eN3	12	56	45				
	F	13	42	--				



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No. Date Phase Time GMT τ A Δ
h m s sec mm deg.

144 Sept. 26 iP 16 04 46
iE 16 05 51
iN 16 06 14
S 16 06 32

9° Epc.: 26° N, 126° E
(USCGS prel. report)
Stylus fell down 3.5 min. after beginning.

145 Sept. 28 eE1 10 27 23
eN1 10 27 26
eE2 10 29 34
eN2 10 29 29
F 10 31 --

146 Oct. 3 F 06 24 34
S 06 27 28
eN 06 27 42
F 06 43 --

14.7°

147 Oct. 10 e 07 35 34
eLE 07 44 29
eLN 07 44 19
F 07 58 --

148 Oct. 16 eP 02 20 16
eE 02 28 40
eN 02 28 34
L 02 35 56
ME 02 45 45
MN 02 49 02
F 03 27 --

15 8.5
15 4.5

149 Nov. 1 iP 15 49 35
SE 15 51 05
eSN 15 51 01
ME 15 52 05
MN 15 52 18
F 16 01 --

7.5°

3 5.5
4 6.5

150 Nov. 4 iP 00 13 57
i 00 14 03
PP 00 14 16
iS 00 17 55
LE 00 19 54
iLN 00 19 49
ME 00 21 48
MN1 00 20 46
MN2 00 23 00
F 00 47 --

21.8°

12 9.5
14 11
13 14

151 Nov. 4 e 14 06 06
F 14 14 --

152 Nov. 4 eE 23 22 33
eN 23 22 12
F 23 32 --

153 Nov. 14 eP 05 09 47
iSE 05 12 20
iSN 05 12 17
F 05 23 --

12.8°

154 Nov. 14 iE 10 55 03
eN 10 54 02
F 11 02 --

Epc.: 46° N, 143° E,
off northern coast of
Hokkaido, Japan
Depth: 200 km.?
(USCGS prel. report)

No.	Date	Phase	Time GMT			τ sec	A mm	Δ deg.	Remarks
			h	m	s				
155	Nov. 15	eP	23	07	23			9.6°	
		eS _E	23	09	18				
		eS _N	23	09	14				
		L _E	23	09	51				
		L _N	23	09	47				
		F	23	39	---				
156	Nov. 16	eE	01	44	30				
		eN	01	44	34				
		iE	01	46	38				
		iN	01	46	18				
		F	01	57	--				
157	Dec. 8	eE ₁	03	40	00				
		eE ₂	03	41	22				
		eN	03	41	17				
		F	03	54	--				
158	Dec. 19	e	16	40	35				
		F	16	58	--				
159	Dec. 19	eE	18	29	30				
		eN	18	29	14				
		F	18	38	--				
160	Dec. 27	e ₁	22	15	54			8.9°	
		e ₂	22	17	39				
		F	22	30	--				

This is a continuation of our seismographic report issued at Pehpei, Chungking. The seismographs were moved to Nanking late in 1946, and set up temporarily in the Geophysical Laboratory office at the end of February 1947. The earthquake records given in this report were subject to much disturbances. Soon our newly built instrument room will be finished. It is hoped that our later report would reach the standard we want.

S. P. Lee
Y. S. Hsieh
February 1948