

No.

from

to

1925

OSAKA JAPAN.



SEISMIC BULLETIN

of the Osaka Meteorological Observatory of Japan.

$\phi=34^{\circ} 39' N.$ $\lambda=135^{\circ} 26' E.$ Gr. $h=3.0 m$ Underground:

Instrument: Omori Horizontal Pendulum.

	T_0	ϵ	$\frac{r}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		A _N μ	A _E μ	A _Z μ		
1	Jan. 3	P	8	22	28				1200		
		L		24	59						
		Me		28	0	150		+ 75			
		Mn		25	24	138	- 33				
		Fe		46	59						
		Fn		41	42						
2	25	P	15	4	50				356		
		L		5	38						
		Mn		5	50	48	- 25	+ 53			
		Fn		10	32		- 35				
3	8	P	20	53	7				416		
		L		54	3						
12	23	Me	4	54	47	12		- 38	1380		
		Mn		54	43	29	- 25				
		Fe		59	36	168		- 1976			
		Fn		59	38	129	1700				
4	9	Pe	4	36	31				-		
		L		37	6						
13	31	Me	17	38	1	24		+ 25	1080		
		Mn		37	53	48	- 30				
		Fe		42	49	161		470			
		Fn		42	18						
5	Feb. 9	P	7	2	33				401		
		L		3	27						
		Me		4	13	110		- 50			
		Mn		4	32	23	+ 53				
		Fe		11	49						
		Fn		9	50						
6	9	Pe	15	29	3				1400		
		L		29	41						
		Mn		29	59	18	- 13	- 48			
		Fn		35	26	126	+ 38				
7	9	P	16	20	53				134		
		L		21	11						
16	8	Mn	13	21	16	11	+ 9		1880		
		Fn		24	46						
8	18	P	11	10	23	135		- 725	2000		
		L		13	58	110	+ 340				
		Me		18	8	87		+ 1250			
17	2	Mn	14	17	13	125	- 1600		1500		
		Fe	13	17	0						
		Fn		26	58	133					
9	22	P	10	18	57	144	+ 45		534		
		L		20	9						
		Me		21	11	34		- 55			
18	2	Mn	19	20	48	28	- 58		1730		
		Fe		29	54						
		Fn		27	25	132		+ 63			
						138	+ 38				

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	T.	ϵ	$\frac{r}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time h m s	Period s	Amplitude			Δ k.m.	Remarks
					A _N μ	A _E μ	A _Z μ		
10	Jan. 24	P	8 27 54					445	
		L	28 54						
		Me	29 40	38		-140			
		Mn	29 22	48	+60				
		Fe	37 4						
11	25	P	10 46 40					1282	
		L	47 18						
		Me	47 47	14		+33			
		Mn	47 35	10	-35				
		Fe	58 2						
12	28	P	4 8 46					1380	
		L	11 31						
		Me	13 44	108		-1975			
		Mn	12 46	120	-1700				
		Fe	6 2 8						
13	31	P	17 7 53					1050	
		L	10 10						
		Me	10 50	161		+70			
		Fe	29 15	69		+13			
		F _n	1 20						
14	Feb. 1	P	5 27 38					1550	
		L	30 36						
		Me	32 57	161		-600			
		Mn	31 10	120	+320				
		Fe	6 50 31						
15	2	P	11 43 13					1400	
		L	45 59						
		Me	47 24	133		-48			
		Mn	18 49 5	106	+38				
		Fe	55 58						
16	2	P	13 32 41					1580	
		L	35 42						
		Me	38 2	115		+725			
		Mn	36 30	110	+340				
		F _n	- 4						
17	2	P	14 16 15					1500	
		L	19 9						
		Me	20 55	138		-100			
		Mn	22 52	144	+45				
		Fe	57 39						
18	2	P	19 28 55					1730	
		L	32 8						
		Me	33 55	138		+53			
		Mn	34 50	138	+38				
		F _n	-						

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Instrument: Omori Horizontal Pendulum.

	T.	ϵ	$\frac{1}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time h m s	Period s	Amplitude			Δ k.m.	Remarks
					A _N μ	A _E μ	A _Z μ		
19	Feb. 2	P	19 50 28				1390		
		L	53 13						
		Me	55 15	108		-1125			
		Mn	54 7	133	-1250				
		Fe	21 41 59						
		Fn	43 9						
20	2	P	22 16 10				1580		
		L	19 12						
		Me	22 45	165		-100			
		Mn	19 56	184	-75				
		Fe	44 36						
		Fn	45 29						
21	3	P	I 54 49				497		
		L	55 56						
		Me	56 24	55		+28			
		Mn	56 8	92	-25				
		Fe	2 1 59						
		Fn	2 13						
22	4	P	10 10 53				2280		
		S	14 47	125		-1425			
		L	18 46	130	+1525				
		Me	21 0	69		+13			
		Mn	20 6	57	+13				
		Fe	0 34 28				5000		
		Fn	32 58						
23	5	P	17 12 45	120		+45	586		
		L	14 4	216	+100				
		Me	14 47	23		-280			
		Mn	0 14 22	21	-388				
		Fe	12 42 37						
		Fn	41 12						
24	7	P	18 23 7	147		-20	2350		
		L	26 56	154	+25				
		Mn	27 54	138	+75				
		Fn	19 0 56						
25	9	P	14 20 22						
		L	-						
		Me	34 59	160	+30	+15			
		Mn	48 4	192	-25				
		Fe	15 10 5						
		Fn	20 36						
26	13	P	7 14 35	18		-67	334		
		L	15 22	18	+42				
		Me	15 48	38		+25			
		Mn	15 48	20	+25				
		Fe	20 22						
		Fn	22 28						
		Me	37 36	24		-32			
		Fe	42 57						

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Instrument: Omori Horizontal Pendulum.

	T.	ϵ	$\frac{r}{T^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time h m s	Period s	Amplitude			Δ k.m.	Remarks
					A _N μ	A _E μ	A _Z μ		
27	Feb. 13	P	14 1 16				2400		
		L	5 46						
		Me	11 52	58		- 25			
		Mn	12 4	44	+ 12				
		Fe	36 22						
28	14	Fn	19 37 15				468		
		P	20 43 2						
		L	44 5	144	+ 855				
		Me	44 48	14	+ 913	- 38			
		Mn	22 44 21	12	- 30				
29	15	Fe	22 51 2				401		
		Fn	49 19						
		P	7 48 32	23		- 17	45		
		L	48 38	27	+ 30				
		Me	49 8	10		- 155			
		Mn	49 1	10	+ 100				
30	18	Fe	8 59 53				408		
		Fn	59 5						
31	20	P	1 6 4	34		+ 18	1650		
		L	9 10	28	+ 33				
		Me	12 17	125		- 1425			
		Mn	19 11	130	+ 1525				
32	18	Fe	10 28 25				108		
		Fn	27 37						
31	23	P	0 10 43	23		- 167	5000		
		L	17 29	18	- 100				
		Me	11 30 43	120		+ 45			
		Mn	26 11	216	+ 100				
33	19	Fe	15 10 54				6		
		Fn	0 55 20						
32	March 1	Pe	12 19 13	10	- 663		-		
		L	33 27	17		+ 775			
		Me	16 40 10	147		- 20			
		Mn	18 38 29	154	+ 23				
34	19	Fe	13 23 36				313		
		Fn	22 58						
33	5	Pe	10 23 11	10		+ 30	-		
		L	23 32						
35	10	Mn	20 43 46	20	+ 30		697		
		Fn	47 59						
34	9	Pe	19 51 43	20		+ 417	-		
		L	52 23	23	+ 286				
		Me	21 52 43	18		- 67			
		Mn	53 1	18	+ 42				
35	20	Fe	2 58 21				606		
		Fn	59 0						
35	10	P	1 35 52	21		- 100	534		
		L	37 4	22	- 138				
		Me	37 38	24		- 32			
		Fe	42 57						

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	T ₀	ϵ	$\frac{r}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		A _N μ	A _E μ	A _Z μ		
48	April II	P	22	29	0				475		
		L	23	30	8				1400		
		Me	35	12		90		-30			
		Mn	31	42		174	-48				
		Fe	0	47	11						
		Fn	19	49	39				2800		
49	I6	P	19	56	53				1950		
		L ₁	20	40	22	48	+18				
		Mn ₁	20	2	32	144	+855				
		Mn ₂	3	56	34	96	+913		2500		
		Fn	22	14	15						
50	I6	P ₀	22	28	20	58		-13	401		
		L ₀		29	14	45	-15				
		Me	29	52		23		-17			
		Mn	29	38		27	+30				
		Fe	8	34	54				200		
		Fn		34	20						
51	I8	P ₀	8	6	15	10		-13	408		
		L ₀		7	10	10	-32				
		Me		17	49	34		+18			
		Mn		18	58	28	+33				
		Fe	8	12	15				267		
		Fn		11	47						
52	I8	P ₀	10	53	14	70		+70	102		
		L ₀		53	28	70	-92				
		Me		53	45	23		-167			
		Mn		54	6	18	-100				
		Fe	11	1	25				4500		
		Fn		1	9						
53	I9	P ₀	15	47	35	249		+175	6		
		L ₀		47	36	192		+182			
		Mn		48	20	110	-663				
		Mz		47	36	117	-180		+775		
		Fn	16	16	45						
		Fz	15	58	12						
54	I9	P	20	22	52				3103		
		L		22	53						
		Me		22	53	10		+30			
		Fe		23	34			-33			
55	I9	P ₀	20	43	46		+221		697		
		L ₀		45	20	104	-375				
		Me	11	46	3	20		+417			
		Mn	13	46	32	23	+235				
		Fe	21	4	49				3200		
		Fn		8	4						
56	20	P ₀	2	12	24	86		+38	606		
		L ₀		13	46	90	-51				
		Me	13	14	54	21		-100			
		Mn		14	8	22	-138				
		Fe		11	54						
		Fn		12	9						

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Instrument: Omori Horizontal Pendulum.

	T	ϵ	$\frac{r}{T_0^2}$	V
Δ_N :	30			20
Δ_E :	30			20
Δ_Z :				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		Δ_N μ	Δ_E μ	Δ_Z μ		
57	April 22	P	23	18	28				1400		
		L		21	14						
		Mn		27	15	184	- 45	+ 63			
	23	Fn	0	5	33						
58	23	P	19	38	35				2800		
		L		43	4						
		Mn		45	52	48	+ 18	- 18			
		Fn	20	1	55						
59	May 1	P	3	58	28				2500		
		L	4	2	36						
		Me		6	36	58		+ 13			
		Mn		4	14	46	- 15				
		Fe		23	3						
		Fn		37	47						
60	1	P	6	7	29				282		
		L		8	7						
		Me		8	21	10		+ - 13			
		Mn		8	41	10	- 22				
		Fe		13	53						
		Fn		12	51						
61	1	P	8	18	11				267		
		L		18	47						
		Me		19	41	10		+ + 70			
		Mn		20	38	10	+ 62				
		Fe		28	43						
		Fn		27	35						
62	3	P	17	28	36				4580		
		L		34	58						
		Me ₁		36	39	249		+ + 175			
		Me ₂		39	3	192	- 175	+ 162			
		Mn ₁		39	52	133	- 1140				
		Mn ₂		45	52	120	- 180				
	18	Fe	19	10	47				488		
		Fn		11	39						
63	5	P	10	12	8				3100		
		L		17	0						
		Me ₁		18	31	161		- 25			
		Me ₂		22	53	84		+ 33			
	20	Mn ₁	11	20	56	87	+ 221		648		
		Mn ₂		24	19	104	- 275				
		Fe	11	56	59						
		Fn	12	3	0						
64	5	P	12	5	13				3200		
		L		10	6						
		Me		16	14	86		+ 38			
		Mn		14	44	90	- 31				
		Fe	13	12	35						
		Fn		18	39						

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Instrument: Omori Horizontal Pendulum:	T_c	ϵ	$\frac{r}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		A _N μ	A _E μ	A _Z μ		
65	May 6	P	0	27	25				4730		
		L		33	28						
		Me		38	4	46	- 65000	+ 63			
		Fe	I	16	51						
66	6	P	5	28	25				65		
		L		28	34						
		Me		28	51	II		- 15			
		Fe		33	19						
67	7	P	12	16	52				2550		
		L		21	7						
		Me		21	58	33	- 220	+ 25			
		Mn		23	8	55	+ 26				
		Fe		51	0						
		Fn		47	20						
68	7	P	14	39	24				2700		
		L		43	50						
		Me		44	37	50	+ 22	+ 63			
		Mn		44	18	45	- 33				
		Fe	15	39	16						
		Fn		24	0						
69	15	P	18	27	11				503		
		L		28	19						
		Me		29	12	19	- 300	+ 200			
		Mn		28	59	24	+ 163				
		Fe		42	15						
		Fn		43	29						
70	17	P	II	29	37				36'		
		L		29	41						
		Me		29	42	08	- 70	+ 113			
		Mn		29	43	08	- 175				
		Fe		37	57						
		Fn		36	47						
71	18	P	16	4	58				468		
		L		6	1						
		Me		6	44	19	+ 53	- 17			
		Mn		6	49	21	+ 17				
		Fe		10	13						
		Fn		11	23						
72	20	P	II	6	43				842		
		L		8	37						
		Me		9	29	80	+ 13	+ 35			
		Fe		27	29						
73	22	P	9	41	56				1150		
		L		44	20						
		Me		44	47	81		+ 395			
		Mn		44	44	74	- 325				
		Fe		45	54						
		Fn		44	58						

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	T.	ϵ	$\frac{r}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		A _N μ	A _E μ	A _Z μ		
74	May 23	P	2	10	4				125		
		L		10	21						
		Me		11	5	37		+84000			
		Mn		11	3	38	-65000				
75	23	P	2	38	43						
		L		38	56						
		Me		38	58	10		-146			
		Fe		45	54						
76	23	P	3	2	46				104		
		L		3	0						
		Me		3	41	09		-1117			
		Mn		4	15	06	-920				
		Fe		17	1						
		Fn		18	22						
77	23	Pe	3	40	54				89		
		L		41	6						
		Me		41	47	21		+31			
		Mn		41	34	09	+22				
		Fe		49	39						
		Fn		50	2						
78	23	P	4	52	57				142		
		L		53	16						
		Me		53	59	19		-463			
		Mn		53	25	08	-300				
		F	5	0	58						
79	23	P	5	1	1				111		
		L		1	16						
		Me		1	56	19		-200			
		Mn		1	37	09	-75				
		Fe		11	41						
		Fn		10	40						
80	23	P	5	47	15				108		
		L		47	29						
		Me		47	31	12		-43			
		Mn		47	58	08	+32				
		Fe		52	24						
		Fn		52	10						
81	23	P	7	26	30				89		
		L		26	42						
		Me		26	46	04		+18			
		Mn		27	10	08	+18				
		Fe		33	58						
		Fn		33	4						
82	23	P	9	39	0				141		
		L		39	19						
		Me		40	38	18		+130			
		Mn		39	41	20	-65				
		Fe		45	54						
		Fn		47	25						

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	T.	ϵ	$\frac{r}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		A _N μ	A _E μ	A _Z μ		
83	May 23	P	14	45	13				417		
		L		46	9						
		Me		46	58	14		-200			
		Mn		46	56	19	+50				
		Fe		55	6						
		Fn		53	4						
84	24	P	1	28	0				2350		
		S		32	0						
		L		34	45						
		Me		37	12	58		-20			
		Mn		40	20	73	-30				
		Fe		54	32						
		Fn	2	9	51						
85	24	P	3	53	18				377		
		L		54	9						
		Me		55	37	25	+138	+105			
		Mn		55	49	12					
		Fe	4	6	25						
		Fn		11	8						
86	24	P	10	55	38				108		
		L		55	52						
		Me		56	24	10		-40			
		Mn		56	32	13	-168				
		Fe		58	57						
		Fn		56	8						
87	24	P	12	54	32				115		
		L		54	48						
		Me		55	17	12		-38			
		Mn	7	55	24	10	-68				
		Fe		57	41						
		Fn		59	56						
88	25	P	3	48	33				3170		
		L		53	27						
		Me		57	37	62		-35			
		Mn		56	52	38	-40				
		Fe	5	8	55						
		Fn		14	0						
89	25	P	14	18	33				137		
		L		18	52						
		Me		19	35	24		-125			
		Mn	18	19	26	10	-45				
		Fe		24	16						
		Fn	18	38	12						
90	25	P	14	41	25				138		
		L		41	44						
		Me		42	22	24		-250			
		Mn		42	7	13	+88				
		Fe		56	41						
		Fn		52	56						

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OSAKA JAPAN.

SEISMIC BULLETIN

of the Osaka Meteorological Observatory of Japan.

$\varphi = 34^{\circ} 39' N.$ $\lambda = 135^{\circ} 26' E.$ Gr. $h = 3.0 m$ Underground:

Instrument: Omori Horizontal Pendulum.

	T	ϵ	$\frac{1}{T^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		A _N μ	A _E μ	A _Z μ		
91	May 25	P	16	22	40				133		
		L		22	58						
		Me		23	43	25		-33000			
		Mn		23	50	25	-12900				
		Fe		33	43						
92	25	Fn		33	11				103		
		P	18	10	39						
		L		10	53						
		Me		12	4	19		+80			
		Mn		11	38	33	-37				
93	25	Fe		17	47				144		
		Fn		19	8						
		P	18	32	13						
		L		32	32						
		Me		33	16	22		-83			
94	25	Mn		33	18	25	+33		114		
		Fe		39	3						
		Fn		37	31						
		P	23	42	39						
		L		42	54						
95	26	Me		43	35	08		+75	108		
		Mn		43	28	11	-110				
		Fe		51	27						
		Fn		52	6						
		P	6	57	33						
96	26	L		57	47				129		
		Me		58	33	22		-275			
		Mn		58	43	19	-78				
		Fe	7	3	59						
		Fn		4	55						
97	26	P	12	47	29				2000		
		L		47	46						
		Me		48	32	21	+25	-383			
		Mn		48	17	21	-145	+27			
		Fe		57	32						
98	26	Fn		57	46				115		
		P	15	40	53						
		L		44	28						
		Me		49	43	25		+38			
		Mn		49	51	33	-33				
99	26	Fe	16	22	16				115		
		Fn		19	28						
		P	16	40	54						
		L		41	9						
		Me		42	33	18		+125			
100	26	Mn		42	3	38	+38		115		
		Fe		46	54						
		Fn		45	25						

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from

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Instrument: Omori Horizontal Pendulum.

	T_0	ϵ	$\frac{1}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time h m s	Period s	Amplitude			Δ k.m.	Remarks
					A _N μ	A _E μ	A _Z μ		
99	May 27	P	2 30 50					3720	
		L	31 49					445	
		Me	32 34	28		-2033			
		Mn	32 54	24	-900				
		Fe	3 4 55						
		Fn	4 38						
100	27	P	7 11 40					119	
		L	11 56						
		Me	12 37	23		-260			
		Mn	12 32	22	-118				
		Fe	21 5						
		Fn	22 18						
101	28	P	17 51 57					297	
		L	52 37						
		Me	52 58	14		+26			
		Mn	52 43	14	-13				
		Fe	57 39						
		Fn	57 41						
102	28	P	22 40 21					111	
		L	40 36					3720	
		Me	41 19	48		+380			
		Mn	41 24	41	+160				
		Fe	54 51						
		Fn	55 2						
103	29	P	8 48 19					162	
		L	48 41						
		Me	49 21	42		-123			
		Mn	48 59	40	+50				
		Fe	54 48						
		Fn	55 9						
104	29	P	13 7 11					52	
		L	7 18						
		Mn	7 42	08	+25				
		Me	7 22	08		+27			
		Fn	11 52						
		Fe	12 30						
105	June 2	P	3 46 7					1050	
		L	48 22						
		Me	55 23	55		-25			
		Mn	48 57	38	-50				
		Fe	4 6 56						
		Fn	1 56						
106	2	P	5 20 20					1200	
		L	22 51						
		Me	23 6	29		+120			
		Mn	23 20	49	+232				
		Fe	15 46 1						
		Fn	56 17						

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Instrument: Omori Horizontal Pendulum.

	T.	ϵ	$\frac{1}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		A _N μ	A _E μ	A _Z μ		
I07	June 3	P	4	40	43					3720	
		S	4	46	10						
		L	1	50	30						
		Me	13	46	19	62		- 105			106
		Mn	5	51	10	118	+ 200				
		Fe	5	55	50			- 87			
I08	3	F _n	8	48	40	19				267	
		P	8	40	39						
		L	3	41	15						
		Me	3	41	39	19		- 47			150
I09	4	Mn	4	41	27	17	- 84				
		F	4	45	19						
		P	1	24	46						
I10	4	L									
		Me		36	34	34		+ 15			
		Fe		56	16						
I11	9	P	12	31	11						
		L									
		Me		39	41	53	- 100	+ 20			
I12	14	Fe	13	4	18						
		P	13	48	15					3720	
		S	22	53	45					74	
I13	14	L	14	58	40						
		Mn	14	0	17	106	+ 738				
		F _n	15	6	35						
		P	0	33	28					119	
		L	22	33	44					542	
		Me	22	34	34	24		+ 242			
I14	16	Mn	34	13		19	+ 138				
		Fe	40	8							
		F _n	41	26							
		P	5	42	4						
		L	17							119	
		Me	17	52	41	46		- 20			
I15	19	Mn	6	51	30	41	- 25	- 18			
		Fe	6	10	59						
		F _n	22	33							
		P	17	10	29					2735	
		L	17	12	8						
		Me	17	13	16	20		+ 48			
I16	21	Mn	2	12	51	25	+ 63	- 20			
		F	1	19	46						
		P	4	3	16					119	
		L	5	3	32						
		Me	8	3	57	24		- 158		222	
		Mn	8	4	37	19	- 175				
I17	21	Fe	12	12							
		F _n	10	52							
		P	15	5	1					141	
I18	21	L	15	5	20						

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of the Osaka Meteorological Observatory of Japan.

 $\varphi=34^{\circ} 39' N.$ $\lambda=135^{\circ} 26' E. Gr.$ $h=3.0 m$ Underground:

Instrument: Omori Horizontal Pendulum.

	Γ	ϵ	$\frac{r}{T_0^2}$	V
A N:	30			20
A E:	30			20
A Z:				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		A _N μ	A _E μ	A _Z μ		
	June 21	Me	15	5	44	24		- 298			
		Mn		6	4	24	+ 379				
		Fe		14	48						
		Fn		16	57						
117	21	P	18	21	35					104	
		L		21	49						
		Me		22	54	24		- 67			
		Mn		22	17	19	- 96				
		Fe		26	44						
		Fn		26	30						
118	23	P	3	58	18			- 700		156	
		L		58	39						
		Me		59	26			> 5600			
		Mn		59	29	23	+ 2850				
		Fe	4	24	41						
		Fn		24	24						
119	23	P	4	46	11						
		L		48	24						
		Me		48	48	23		+ 98			
		Mn		48	49	46	- 100				
		Fe	5	17	15						
		Fn		13	31						
120	23	P	22	9	39					74	
		L		9	49						
		Me		9	59	06		- 21			
		Mn		9	57	06	- 27				
		F		14	25						
121	25	P	22	26	2					542	
		L		27	15						
		Me		28	16	14		+ 42			
		Mn		28	13	14	- 67				
		Fe		33	43						
		Fn		32	18						
122	26	P	17	29	0					119	
		L		29	16						
		Me		29	50	13		+ 18			
		Mn		29	39	13	+ 18				
		F		34	9						
123	28	P	1	32	33					9250	
		S		42	52						
		L		-	-						
		Me	2	11	32	145		+ 20			
		Mn		11	40	100	- 25				
		Fe		51	36						
		Fn		50	36						
124	28	P	6	15	33					822	
		L		17	24						
		Me		19	51	36		+ 300			
		Mn		20	44	24	- 225				
		Fe		57	36						
		Fn		58	54						

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Instrument: Omori Horizontal Pendulum.

	T.	ϵ	$\frac{r}{T_0^2}$	V
A N:	30			20
A E:	30			20
A Z:				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		A _N μ	A _E μ	A _Z μ		
I25	July 3	P	17	9	10				163		
		L		9	32						
		Me		9	33	09		+10			
		Mn		9	35	08		-10			
		Fe		12	50						
		Fn		13	24						
I26	3	P	19	21	25				178		
		L		21	49						
		Me		22	43	30		-700			
		Mn		22	37	28	+670				
		Fe		39	41			-142			
		Fn		39	4	09	-158				
I27	3	P	23	54	10				178		
		L		54	34						
		Me		55	27	17		+57			
		Mn		54	36	12		-83			
		Fe		0	1 25						
		Fn		0	20	12		-25			
I28	4	P	8	30	31	18	+30			378	
		L		31	22						
		Mn		31	23	20	+23				
		Fn		34	8						
I29	4	P	9	17	53					-	
		L		31	10			+35			
		Fe		10	5 20		+28				
I30	5	P	14	54	9					186	
		L		54	34						
		Me		54	34	10		+20			
		Mn		53	36	07	-30				
		Fe		59	15			-428			
		Fn		59	15	117	+375				
I31	6	P	16	47	14					148	
		L		47	34						
		Me		47	55	25		-900			
		Mn		48	5	19	+1075				
		Fe		17	4 30			-759			
		Fn		6	43						
I32	17	P	3	19	4					2550	
		L		23	19						
		Me		28	9	58		-83			
		Mn		27	2	57	-85				
		Fe		5	33 44						
		Fn		18	48						
I33	17	P	21	15	10					3820	
		L		20	42						
		Me		25	24	57		+15			
		Mn		29	9	87	+25				
		Fe		22	9 40						
		Fn		21	56 40						

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Instrument: Omori Horizontal Pendulum.

	T.	ϵ	$\frac{r}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				



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No.	Date	Phase	Time h m s	Period s	Amplitude			Δ k.m.	Remarks
					A _N μ	A _E μ	A _Z μ		
I34	July 17	P	22 35 I				2620		
		L	40 18						
		Me	41 20	73		-55			
		Mn	43 10	38	+88				
		Fe	23 48 45						
		Fa	40 25						
I35	26	P	12 47 31				570		
		L	48 48						
		Me	49 10	09		-143			
		Mn	48 56	09	-158				
		Fe	55 10						
		Fa	55 I	13					
I36	Aug. 6	P	10 37 24				124		
		L	37 41						
		Me	38 31	12		+25			
		Mn	38 6	12	+30				
		F	41 11						
I37	7	P	2 54 3				38 457		
		L	55 5						
		Me	55 24	07	+75	±35			
		Mn	55 51	09	+28				
		F	57 58						
I38	19	P	12 13 24				3350		
		L	18 38		+40				
		Me	22 26	115		-438			
		Mn	22 54	117	+575				
		F	-						
I39	19	P	12 51 38				101		
		L	51 52						
		Me	51 54	05		-563			
		Mn	52 34	38	-750				
		F	13 16 57						
		Me	43 26	06		-37			
		Mn	43 34	08	+27				
		Fe	46 31						
		Fa	46 54						
I40	20	P	9 45 31				810		
		L	45 21						
		Me	48 27	10		-473			
		Mn	46 11	10	475				
		Fe	46 I						
		Fa	46 I						

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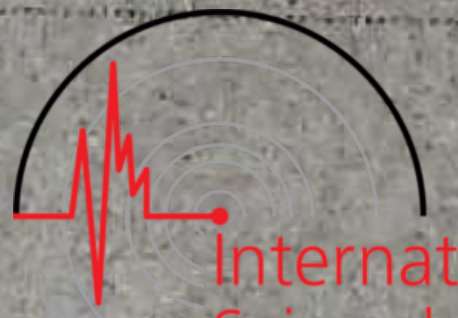
	T.	ϵ	$\frac{r}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		A _N μ	A _E μ	A _Z μ		
I40	Aug. 31	P	19	48	24				846		
		L		50	18						
		Me		50	56	29		-100			
		Mn		51	48	25	-138				
		Fe	20	18	18						
		F _n		19	23						
I41	Sept. 12	P	10	57	59				356		
		L		58	47						
		Me		59	6	13		+25			
		Mn		59	26	13	-24				
		F	11	2	27						
		F _n		11	27						
I42	Oct. 5	P	11	12	27				772		
		L		14	11						
		Me		16	8	23		-25			
		Mn		15	40	31	+53				
		Fe		24	11						
		F _n		21	57						
I43	13	P	17	57	30				3900		
		L	18	3	12						
		Mn		4	39	44	+75				
I44	15	P	12	48	52				2930		
		L		53	33						
		Me		56	56	42		+33			
		Mn		54	15	60	+40				
		Fe	13	20	54						
		F _n		12	5						
I45	15	P	23	41	59				97		
		L		42	12						
		Me		42	51	10		-33			
		Mn		45	8	15	-41				
		Fe		45	54						
		F _n		46	22						
I46	20	P	0	42	50				171		
		L		43	13						
		Me		43	26	08		+37			
		Mn		43	24	08	+27				
		Fe		46	54						
		F _n		46	54						
I47	20	P	9	43	31				816		
		L		45	21						
		Me		46	27	10		+471			
		Mn		46	11	10	-675				
		Fe		56	1						
		F _n		56	1						

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Instrument: Omori Horizontal Pendulum.

	T.	ϵ	$\frac{I}{T_0^2}$	V
A _N :	30			20
A _E :	30			20
A _Z :				

No.	Date	Phase	Time h m s	Period s	Amplitude			Δ k.m.	Remarks
					A _N μ	A _E μ	A _Z μ		
I48	Oct. 22	P	17 10 42				1800		
		S	14 1						
		L	17 54						
		Me	18 41	36		- 53			
		Mn	19 51	45	+ 45				
		Fe	18 2 33						
I49	26	Fn	17 48 23				59		
		P	2 6 58						
		L	7 6						
		Me	7 29	07		+ 118			
		Mn	7 29	07	+ 107				
		Fe	11 2						
I50	30	Fn	12 24				7730		
		P	14 50 58						
		S	15 0 6						
		L	7 13						
		Me	8 59	116		+ 20			
		Mn	9 14	121	+ 25				
I51	Nov. 6	Fe	20 57				357		
		Fn	24 4						
		P	15 14 33						
		L	15 21						
		Me	16 54	10		+ 383			
		Mn	17 27	10	- 275				
I52	10	Fe	23 28				4220		
		Fn	24 33						
		P	13 57 53						
		S	14 3 55						
		L	8 10						
		Me	8 10	111		- 750			
I53	13	Mn ₁	9 25	125	+ 1400		2500		
		Mn ₂	13 47	105	+ 1375				
		Fe	15 27 43						
		Fn	55 45						
		P	12 20 4						
		L	24 14						
Me ₁	25 47	145		> 4125					
Me ₂	34 4	80		+ 675					
Mn ₁	27 12	150	> 3800						
Mn ₂	28 3	95	> 925						
Mn ₃	42 59	90	> 883						
Fe	14 45 25								
Fn	46 44								

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	T_0	ϵ	$\frac{r_0^2}{T_0^2}$	V
AN:	30			20
AE:	30			20
Az:				



No.	Date	Phase	G.M.T.			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		AN "	AE "	Az "		
I54	Nov. 13	P	14	5	0					2500	
		L		9	11						
		Mn		10	37	7.6	+ 50				
		Fn		46	44						
I55	✓ 14	P	8	16	53					2100	
		L		20	38						
		Me		22	36	5.4		+ 38			
		Mn		21	43	5.0	+ 50				
		Fe	9	16	59						
		Fn		35	27						
I56	14	P	10	9	22					2400	
		L		13	25						
		Me		14	10	4.8		+ 70			
		Mn		15	12	4.0	+ 90				
		Fe	11	14	48						
		Fn		16	6						
I57	14	P	14	42	56					2590	
		L		47	13						
		Me		47	46	5.8		+ 50			
		Mn		54	3	5.5	- 25				
		Fe	15	19	15						
		Fn		17	56						
I58	26	P	15	51	23					475	
		L		52	27						
		Me		53	16	1.5		+ 23			
		Mn		52	56	1.3	+ 38				
		Fe		58	22						
I59	26	P	17	0	14					111	
		L		0	29						
		Me		1	52	1.0		-791			
		Mn		0	56	1.0	+800				
		F		10	5						
I60	Dec. 4	P	20	41	31					898	
		L		43	32						
		Me		45	55	3.8		- 48			
		Mn		44	30	2.9	+ 45				
		Fe	21	9	14						
		Fn		7	24						
I61	7	P	8	58	40					2920	
		L		9	3	20					
		Me		5	10	4.4		- 60			
		Mn		7	29	5.3	± 20				
		Fe		23	4						
		Fn		22	10						
I62	11	P	7	20	36					482	
		L		21	41						
		Me		22	3	1.5		- 36			
		Mn		22	34	1.0	+ 46				
		F		26	29						
I63	13	P	15	31	45					163	
		L		32	7						
		Me		32	8	1.5		- 21			
		Mn		32	16	1.0	+ 27				
		F		32	20						
I64	13	P	15	32	21					178	
		L		32	45						
		Me		32	46	1.1		+ 27			
		Mn		32	46	1.8	- 50				
		F		34	59						



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Instrument: Omori Horizontal Pendulum.

	T_0	ϵ	$\frac{r_2}{r_0^2}$	V
AN:	30			20
AE:	30			20
Az:				

No.	Date	Phase	G.M.T.			Period s	Amplitude			Δ k.m.	Remarks
			h	m	s		AN μ	AE μ	Az μ		
I65	Dec. 22	P	-	-	-						
		L	5	22	48						
		Me		26	44	5.0		+375			
		Mn		23	50	7.4	+425				
		Fe		52	29						
I66	22	Fn		49	59						
		P	7	6	30					95	
		L		6	43						
		Me		7	30	1.5		-192			
		Mn		7	12	1.0	-167				
I67	26	F		11	9						
		P	18	29	37					3100	
		L		34	30						
		Me		37	31	4.1		+38			
		Mn		40	22	4.8	-33				
I68	27	Fe		57	29						
		Fn	19	24	13						
		P	10	35	6					3850	
		L		40	40						
		Me		42	22	4.8		-30			
		Mn		41	47	4.7	-25				
		Fe	11	4	23						
		Fn		9	16						