Double
25 NOV. 1940

ŌSAKA

SEISMOLOGICAL BULLETIN

of the Ōsaka Meteorological Observatory, Nippon (Japan)

[φ=34° 39′ N. λ=135° 32′ E.
Elevation=5.2m]

From April to June 26 00 (1940)

Date from which Constants Apply	Instrument.		T_0	$\frac{r}{T_0^2}$	ε	V
Apr. 18, 2600 (1940)	Wiechert's	N	5.6	0.007	5.2	77
		E	5.5	0.010	5.2	79
		Z	5.0	0.014	3.6	74
Jun. 6, 2600 (1940)	"	N	5.7	0.012	5.0	80
		E	5.6	0.012	5.6	78
		Z	5.2	0.013	3.7	72

No. 5

No.	Date	Phase	Time (G. M. T.) h. m. s.	Amplitude (μ)	Period (s)	Remarks
53	Apr. 1	P	11 25 50.4			New Guinea.
		S	32 5.8			
		MN	32 31.9	-53	4.5	
		ME	32 32.8	-55	5.4	
		MZ	32 12.4	-12	3.9	
		F	11 50 -			
55	6	P	13 51 15.7			
		S	55 27.1			
		MN	14 1 36.1	± 17	4.6	
		ME	1 40.2	± 11	5.7	
		MZ	0 41.7	± 4	3.7	
		F	14 12 -			
58	12	P	5 56 9.1			141.8°E 38.4°N
		S	57 27.4			
		MN	58 47.7	+10	2.3	
		ME	58 22.9	+ 9	3.6	
		MZ	57 50.6	- 6	2.1	
		F	6 20 -			
59	16	P	6 14 11.3			Aleutian Is.
		S	19 29.5			
		MN	23 46.1	±388	17.2	
		ME	25 28.9	-131	13.2	
		MZ	23 52.2	-117	14.5	
		F	- - -			Overlapped by next Shock.

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No. 6

No.	Date	Phase	Time (G. M. T.) h. m. s.	Amplitude (μ)	Period (s)	Remarks
60	Apr. 16	PP	6 49 28.7			Aleutian Is.
		S	54 52.5			
		MN	59 9.9	+156	13.2	
		ME	7 0 7.6	±156	17.5	
		MZ	6 59 12.0	-131	14.2	
		F	7 12 -			
67	20	P	20 18 49.4			Neighbourhood of Kyoto.
		S	19 25.1			
		MN	20 6.8	+55	4.6	Deep forcas.
		ME	19 25.4	+77	3.4	depth: 350 km
		MZ	20 6.0	-27	2.9	
		F	20 31 -			
73	May 1	P	18 27 21.6			140.4°E, 35.6°N
		S	28 16.5			
		MN	29 6.3	-10	2.9	
		ME	29 12.3	+ 8	1.9	
		MZ	28 42.5	+ 6	2.4	
		F	18 35 -			
78	11	eP	14 0 16.0			Aleutian Is.
		S	5 40.8			
		MN	10 35.2	±21	10.7	
		ME	11 43.5	+23	15.1	
		MZ	10 45.5	±17	11.7	
		F	14 19 -			
81	16	P	12 3 4.1			Mineyama, Kyoto.
		S	3 18.3			135.1° E, 35.6°N
		MN	4 13.2	+60	3.3	
		ME	4 8.1	-48	3.5	
		MZ	3 56.6	+30	3.4	
		F	12 12 -			
82	16	P	14 29 40.1			Mineyama, Kyoto.
		S	29 53.6			
		MN	30 35.8	+55	4.0	
		ME	30 44.9	-47	3.8	
		MZ	30 33.6	+26	3.4	
		F	14 42 -			
83	16	P	21 19 31.7			Mineyama, Kyoto.
		S	19 46.0			
		MN	20 41.2	+23	3.3	
		ME	20 35.5	-19	3.7	
		MZ	20 25.8	+12	2.9	
		F	21 29 -			
84	16	P	22 41 40.8			Mineyama, Kyoto.
		S	41 55.5			
		MN	42 52.9	+12	3.5	
		ME	42 45.0	+12	3.5	
		MZ	42 34.4	+ 7	2.8	
		F	22 52 -			

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No. 7

No.	Date	Phase	Time (G. M. T.) h. m. s.	Amplitude (μ)	Period (s)	Remarks
87	May 19	P	15 21 40.7			Sea of Okhotsk.
		S	24 47.0			151.0°N, 51.0°E
		MN	26 56.3	-27	4.8	Focal depth:
		MZ	26 50.8	-10	2.9	600 km.
		F	15 42 -			
89	24	P′	16 53 17.7			Neighbourhood of
		PPP	59 28.9			Lima, Peru.
		SoPcS	17 0 36.0			
		iS′	7 2.7			
		MN	44 53.4	±190	21.1	
		ME	49 10.3	±210	19.8	
		MZ	47 54.4	±338	21.0	
		F	18 53 -			
91	28	iP	0 47 53.6			Distant earthquake.
		S	53 41.9			New Guinea.
		MN	10 0 47.0	±100	21.2	
		ME	4 52.4	± 30	13.1	
		MZ	1 31.0	± 92	18.7	
		F	10 22 -			
92	28	iP	14 23 44.5			Nakagun, Tokusima.
		S	23 59.7			134.5°N, 33.8°E
		MN	24 37.6	±813	-2.5	Seismic intensity:
		MZ	24 26.8	±424	2.8	(I) *
		F	1 47 -			
95	31	P	14 57 29.3			SE of Nozimasaki,
		S	58 26.0			Tiba.
		MN	59 40.0	± 16	2.8	140.6°E, 34.4°N
		ME	15 0 27.1	± 16	3.9	
		MZ	0 30.4	± 6	3.2	
		F	15 15 -			
101	Jun. 5	P	14 52 44.5			Bashi Str.
		PP	53 11.0			
		S	56 17.0			
		SS	57 9.4			
		F	15 7 -			
105	12	P	14 1 17.2			ENE of Katuura,
		S	2 19.7			Tiba,
		MN	2 54.5	±291	3.4	141.0°E, 35.3°N
		ME	3 4.4	±330	5.0	
		MZ	3 19.7	±169	2.0	
		F	to be continued to next.			

* Showing that shocks were felt by person.
The intensity is given by 6 classes, from I to VI .

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No. 8

No.	Date	Phase	Time (G. M. T.) h. m. s.	Amplitude (μ)	Period (s)	Remarks
106	Jun. 12	P	14 12 55.6			E of Tibuken.
		S	13 50.2			141.0°E, 35.2°N
		MN	14 28.4	± 236	3.8	
		ME	14 39.4	± 274	4.5	
		MZ	14 49.0	± 83	2.5	
		F	15 0 -			
108	12	P	18 38 31.8			SE of Hatizyo I.
		S	39 50.			143.2°E, 32.4°N
		MN	7.3	± 22	3.1	Deep foreas
		ME	40 5.6	± 15	4.0	depth: 100 km
		MZ	40 14.1	± 7	2.2	
		F	19 3 -			
110	13	P	16 36 55.3			
		S	37 48.7			
		MN	38 31.2	± 17	2.0	
		ME	38 25.5	± 17	3.3	
		MZ	38 35.4	± 12	2.2	
		F	16 48 -			
111	15	P	9 10 28.1			
		S	11 24.4			
		MN	12 29.5	± 43	3.7	
		ME	12 16.1	± 40	3.7	
		MZ	12 6.8	± 17	3.0	
		F	9 27 -			
112	18	P	13 57 42.9			Mindanao I.
		S	14 2 13.7			
		MN	3 14.5	± 19	3.2	
		ME	2 39.2	± 23	5.7	
		MZ	3 27.2	± 11	2.9	
		F	14 15 -			
113	19	P	17 27 20.5			SE of Kinkazan
		S	28 42.3			141.7°E, 38.1°N
		MN	30 11.3	± 13	3.5	
		ME	30 46.8	± 15	3.7	
		MZ	29 43.0	± 7	2.9	
		F	17 41 -			
117	20	P	11 13 50.6			Arita R. Wakayama
		S	13 59.8			
		MN	14 50.5	± 6	3.3	
		ME	14 32.0	± 11	3.7	
		MZ	14 50.0	± 2	2.6	
		F	11 21 -			

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No. 9

No.	Date	Phase	Time (G. M. T.) h. m. s.			Amplitude (μ)	Period (s)	Remarks
119	Jun 22	P	11	[illegible]	32.9			
		PP		44	27.2			
		S		47	47.4			
		MN		49	32.5	±67	5.4	
		ME		49	32.0	±53	5.0	
		MZ_1		49	9.7	±16	3.9	
		[illegible]		49	38.4			
		L		52	24.2			
		MZ_2		58	26.1	±28	15.2	
		F	12	14	-			
122	27	P	6	53	58.9			NW of T[illegible]ti I.
		S		55	2.0			138.8°E, 30.6°N
		MN		55	26.5	± 28	3.3	Deep forcas
		ME		56	[illegible]	± 19	4.9	depth : 400 km
		MZ		55	45.8	± 11	2.8	
		F	7	7	-			
123	30	P	9	12	21.5			Neighbourhood of
		S		12	31.3			Yuasa, Wakayama
		MN		12	52.3	± 192	2.9	135.1 E, 34.0 N
		ME		13	7.3	± 136	2.6	
		MZ		13	1.8	± 126	2.3	
		F	9	29	-			

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October 11th, 2600 (1940) .

OSAKA Meteorological Observatory
OSAKA, NIPPON (JAPAN) .

We wish acknowledge with thanks the receipt of the following seismological publication and bulletins.

STATIONS	BULLETINS
Apia	April to June, 1940
Batavia	October to December, 1939
Brisbane	May to July, 1940
Hamburg	January to June, 1940
Helgoland	October, 1939 to June, 1940
Jesuit Seismo. Association (Preliminaly Bulletin)	No. 2, 3, 6, 7, 11, 12. 13, 14, 15, 16, 17, 18, 19, 21, 25, 29.
Kew	May, 1940
Manila	June & July, 1940
Ottawa	May & June, 1940
Pasadena (preliminaly Report)	May & June, 1940
Riverview	April to June, 1940
Strasbourg	April, 1940
〃 (International)	April & May, 1940
〃 (University)	April & May, 1940
Parc St. Maur, Paris	April, 1940
Wellington	June & August, 1940

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