

THE  
SEISMOLOGICAL BULLETIN

OF THE  
CENTRAL METEOROLOGICAL OBSERVATORY

OF THE  
WESTERN DISTRICT

OF

JAPAN

HUKUOKA

VOL. 7

No. 1

From Jan. To June

1940

(2600)

Longitude ..... 130° 22' 45" E  
 Latitude ..... 33° 34' 47" N  
 Height ..... 2.5 m  
 Underground ..... Sandy Loam

Instruments and their constants

Instr.	Comp	Mass kg	T <sub>0</sub> sec	$r/T_0^2$	▽	▽
1. From Jan. to March 26						
Wiehert's	E - W	200	5.2	0.02	5.1	83
∕	N - S	∕	4.3	0.01	3.6	72
∕	U - D	80	4.6	0.04	5.1	98
Mainka's	E - W	450	12.5	0.02	∞	73
∕	N - S	∕	7.9	0.02	∞	119
2. From March 27						
Wiehert's	E - W	200	5.1	0.004	4	85
∕	N - S	∕	4.2	0.009	4	78
∕	U - D	80	4.8	0.059	3	92
Mainka's	E - W	450	13.6	0.035	∞	64
∕	N - S	∕	8.8	0.070	∞	71

Remarks :

1. (f) = felt earthquake
2. I.D. = initial displacement of P-Wave
3. From April the Epicentre is not in detail
4. Time

We keep J. M. T. not but G. M. T  
 (G. M. T in Vol. 6, 1939 must be corrected to J. M. T.)

No.	Date		Phase	J h	M m	T s	Amplitude ( $\mu$ )			Period s	Remarks
							E	N	Z		
1	I	01	P	08	43	16.4				Neighbour hood of Sumoto. local earthquake	
			S	08	44	05.7					
			F	08	46	—					
2	I	06	P	23	14	15.9				Distant earthquake	
			S	23	23	04.6					
			?	23	42	39.9					
			F(?)	24	00	—					
3	I	07	?	12	28	31.8			15.0		
			F	12	38	—					
4	I	07	P	13	04	09.5				Southern part of Hyûganada (f)	
			S	13	04	42.8					
			F	13	06	—					
5	I	07	P	13	35	23.2				Southern part of Hyûganada (f)	
			S	13	35	53.0			2.1		
			F	13	37	—					
6	I	10	?	20	31	19.0				Distant earthquake	
			F	20	40	—					
7	I	10	P	23	44	19.7				Hyûganada (f)	
			S	23	45	07.7					
			F	23	46	—					
8	I	11	P	12	23	01.0				Neighbourhood of Yuhu-dake, Oita (f)	
			S	12	23	12.9	$\pm 5$	$\pm 11$	$\pm 1$		0.3
			F	12	24						Very small
9	I	13	eP	05	38	37.3				NE off Tanega-Sima	
			S	?							
			F	05	43	—					
10	I	17	P	10	19	57.6				I.D.: $\left\{ \begin{array}{l} N+5\mu \\ E+6\mu, \sigma 2\mu \end{array} \right\}$ Distant earthquake Mariawa Isl	
			S	10	24	03.7					
			ME	10	24	12.9	-111				5.3
			MN	10	24	13.6		+250			7.2
			MZ	10	24	13.3			-37		5.8
			F	11	03	—					
11	I	19	eP(?)	13	29	43.4					
			S	13	30	04.9					2.9
			ME	13	30	50.2	$\pm 46$				3.7
			MN	13	30	31.9		+61			2.8
			MZ	13	30	40.7			-25		
			F	13	37	—					

No.	Date		Phase	J h	M m	T s	Amplitude ( $\mu$ )			Period s	Remarks
							E	N	Z		
12	I	21	P	11	46	58.3					I.D.: $\left\{ \begin{array}{l} N+6\mu \\ E+0\mu \\ Z0\mu \end{array} \right\}$ WSW off Amami ōsima
			S	?			of same order to the				
			F	11	48	—	Pulsatory oscil.				
13	I	27	P	02	05	58.4					S: indistinct SE off Amami ōsima (Semi-remarkable earth- quake)
			?	02	06	54.3					
			?	02	08	01.4					
			L(?)	02	09	25.2					
			ME	02	07	17.8	-54			2.9	
			MN	02	07	44.8		+43		2.9	
			MZ	02	08	10.0			$\pm 5$	4.0	
14	I	27	eP	23	51	34.1					S off Irōzaki, Sizuoka Pref. (local earthquake)
			S	23	53	58.8					
			F	24	03	—					
15	I	29	P	02	53	10.5					N. Part of Higasiusuki- Miyazaki Pref. (f)
			S	02	53	29.5					
			ME	02	53	29.5	-34			2.9	
			MN	02	53	30.5		-52		2.0	
			MZ	02	53	29.5			-10	2.0	
16	II	08	P(?)	02	23						Distant earthquake (indistinct in mixing with the pulsatory os- cillation)
			L	02	39						
			F	02	44						
17	II	09	eP	22	56	36.7					E. off Kuzi, Iwate Pref. (Semi-remarkable earthq.)
			S	22	58	48.4					
			F	23	05						
18	II	18	P	01	31	01.6					Neighbourhood of Huzan
			S	01	31	21.9	$\pm 3$	$\pm 3$	$\pm 3$	0.1	
			F	01	32	11.9					
19	II	20	P	11	28	01.6					I.D.: $\left\{ \begin{array}{l} N-12\mu \\ E-14\mu \\ \cup 3\mu \end{array} \right\}$ Distant earthquake
			S(?)	11	34	48.4					
			F	11	41						
20	II	22	P	20	19	19.6					Neighbourhood of Tue. (Oita Pref. (f))
			S	?							
			F	20	20	—					

No.	Date	Phase	J h	M m	T s	Amplitude ( $\mu$ )			Period s	Remarks	
						E	N	Z			
21	II	23	P	02	58	01.8				Neighborhood of Oota-Yamaguti Pref. (f) Seismic intensity Yukuhasi, Hukuoka Pref. III Gotô zi " " II	
			S	02	58	17.3					
			ME	02	58	17.3	$\pm 28$		0.1		
			MN	02	58	17.3		$\pm 24$	0.1		
			MZ	02	58	17.3			$\pm 13$		
			F	03	00	—					
22	II	28	P	05	48	06.8				Off the mouth of Gokase-River, Miyazaki Pref. (f)	
			S(?)	05	48	24.7					
			?	05	49	25.2	(Small)				
			F	05	50	06.-					
23	III	2	P	04	07	10.9				Hibiki-Nada, Hukuoka Pref. (f)	
			S	04	07	19.4	$\pm 8$	$\pm 8$	$\pm 5$		0.0
			F	04	09	—					
24	III	9	ep	19	49	28.7				WNW off Tizizima (Remarkable, deep, earthq.)	
			S	19	51	19.0					
			ME	19	51	20.4	-42		4.4		
			MN	19	51	20.4		-52	3.8		
			MZ	19	51	20.4			$\pm 10$		
F	19	55	—								
25	III	12	P	10	20	02.8				Wakasa-Bay (deep, earthq.)	
			S	10	21	06.5	(Small)				
			F	10	23	—					
26	III	29	ep	00	53	22.7				I.D.: $\left\{ \begin{array}{l} N+4\mu, \\ E+4\mu, D15\mu \end{array} \right\}$ Distant earthquake	
			S	00	57	04.3					
			MN	00	57	11.0	+250		9.2		
			ME	00	57	11.4		-100	8.8		
			MZ	00	53	22.7			-15		
			F	01	15	—					
27	IV	1	ep	20	26	16.6				(Small)	
			S	20	32	01.0					
			F	20	46	—					
28	N	6	ep	01	38	33.0					
			S	01	40	59.1					
			F	01	42	—					
29	N	6	P	?						Indistinct in mixing with the pulsatory oscillation	
			S(?)	22	57	11.0					
			ME	22	59	16.5	$\pm 67$		11.0		
			MN	22	57	57.8		$\pm 125$	12.3		
			F	23	05	—					

No.	Date		Phase	J h	M m	T s	Amplitude ( $\mu$ )			Period s	Remarks
							E	N	Z		
30	N	10	eP	23	21	52.1	(very small)				
			S	?	?						
			F	23	24	—					
31	N	15	eP	00	00	35.2	(very small)				
			S	?							
			F	00	10	—					
32	N	16	eP	15	14	47.4					
			S	15	20	27.3					
			L	15	24	13.4					
			ME	15	25	55.7	$\pm 39$			16.7	
			MN	15	25	55.7		$\pm 22$		16.5	
			MZ								
33	N	16	eP	15	50	16.2	(to be continued to next)				
			S	15	55	53.9					
			L	15	58	29.2					
			M				$\pm 10$	$\pm 10$	Small	15.0	
			F	17	00	—					
34	N	19	eP	23	45	15.7					
			S(?)	23	49	53.2					
			F	23	53	—					
35	V	1	eP	09	20	18.7					
			S	09	20	35.7	-23			0.1	
			ME	09	20	35.7		-14		0.1	
			MN	09	20	35.7			$\pm 5$	0.1	
			MZ	09	20	35.7					
			F	09	22	—					
36	V	2	P	11	12	30.6					Neighbour hood of Tr
			S	11	12	40.7	$\pm 1$	$\pm 1$	$\pm 1$	0.1	
			F	11	15	—					
37	V	14	eP	14	51	06.3	$\pm 1$	$\pm 1$	$\pm 1$	0.1	
			S	?							
			F	14	52						
38	V	16	eP	21	04	57.8					
			S	21	05	05.7	$\pm 9$	$\pm 8$	$\pm 1$	1.3	
			F	21	07						
39	V	17	eP	06	21	26.0					
			S	?							
			F	06	21	47.0					Indistinct in mixing w the pulsatory oscillat

No.	Date		Phase	J h	M m	T s	Amplitude ( $\mu$ )			Period s	Remarks
							E	N	Z		
40	V	20	eP	00	22	12.7	(Small)				
			S(?)	00	25	44.9					
			F	00	39						
41	V	20	eP	19	17	04.4					
			S	19	17	07.7	(very small)				Simonoseki, Moji and neighbourhood.
			F	19	18	—					
42	V	25	P	01	53	33.1					Great earthquake of Lima and neighbourhood, Peru, South America. Many houses were destroyed.
			S(?)	02	16	08.—					
			ME	01	53	51.4	$\pm 16$			5.1	
			MN	—	—	—		$\pm 5$		1.5~2.5	
			MZ	?					?	?	
			L	02	43	—					
	F	03	48								
43	V	28	eP	18	47	52.2	$\pm 2$	$\pm 2$	$\pm 1$	1.0	
			S	18	53	36.8					
			L	18	58	—					
			F	19	09	—					
44	V	28	P	23	24	17.4					I.D.: $\left\{ \begin{array}{l} N+4\mu \\ E-4\mu \end{array} \right. D.? \mu$
			S	23	25	14.8					
			ME	23	25	38.2	$\pm 42$			3.1	
			MN	23	25	20.4		$+76$		2.4	
			MZ	?							
			F	23	34						
45	V	29	?	11	31	about				20.0	Distant earthquake
			F	11	36	—					
46	VI	5	?	20	28	—					Distant earthquake
			L	20	35	—					
			F	22	03	—					
47	VI	5	P	22	35	54.0					Felt within the limits of Hukuoka city Neighbourhood of Hukuoka
			S	22	36	00.5					
			M	22	36	00.5	-27	-20	$\pm 5$	0.0	
			F	22	38						
48	VI	13	eP	00	02	07.4					
			S	00	04	47.8					
			ME	00	05	13.3	$\pm 9$			4.6	
			MN	00	05	05.9		$\pm 15$		3.1	
			MZ	00	05	05.9			$\pm 5$	3.0	

to be continued to next

No.	Date		Phase	J h	M m	T s	Amplitude ( $\mu$ )			Period s	Remarks
							E	N	Z		
49	VII	13	eP	00	13	54.6					
			S(?)	00	16	37.5					
			ME	00	16	45.9	+12			3.8	
			MN	00	16	45.3		$\pm 13$		4.0	
			MZ	?							
			F	00	26						
50	VII	16	P	09	28	46.3					Neighbour hood of Nagasaki I.D.: ?
			S	09	28	57.6	-19	$\pm 9$	$\pm 1$	0.0	
			F	09	30						
51	VII	18	eP	19	31	54.1					
			S	19	32	01.1	$\pm 2$	$\pm 2$	$\pm 1$	0.0	
			F	19	33						
52	VII	18	eP(?)	23	01	52.7					P: ?
			S	23	07	23.6					
			F	23	14	—					
53	VII	22	eP	20	43	13.9					
			S(?)	20	51	07.-					
			L(?)	20	56	—					
			F	21	20						
54	VII	30	P	18	13	24.4					
			S	18	14	17.2					
			ME	18	14	27.8		$\pm 13$		1.4	
			MN	18	14	23.7	+22			2.8	
			MZ	18	14	17.2		$\pm 5$		1.5	
			F	18	16	—					
{ By Tatumobu Okabe } { Husasige Inoue }											