

SEISMOLOGICAL BULLETIN

Of the Meteorological Observatory of Ootomari,

Karafuto, Japan,

1927

$\varphi = 46^{\circ} 39' N$

$h=35.7m$

$\lambda = 142^{\circ} 46' EGr$

Underground: Tertiary

Instrument; Omori Horizontal pendulum.

	T_o	$\frac{r}{T_2}$	v
AN	25		60
AE	20		20

Symbols and Notations.

1. Phase of the Seismogram —

P = 1st Preliminary tremors.

S = 2nd " "

L = Principal Phase, Long waves.

M = Max. Amplitude in Principal phase.

C = Frominet waves among after tremors.

F = End of perceptible movement

2. Nature of Motion —

i = abrupt commencement, clearly defined.

e = gradual Commencement, not clearly defined.

AE = E-W component of A, and takes as positive eastward.

AN = N-S component of A, and takes as positive northward.

3. Distance of epicenter

Δ is calculated by the Omori's Formula.

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No.	Date.	Phase.	Time			Period.	Amplitude.		Δ Km	Remarks.
			h	m	s		AE μ	AN μ		
1	17 Jan.	P	21	59	53	21.8	—	73	680	
		L	22	1	21					
		M		3	46					
		C		7	0					
		F	22	28	6					
2	3 Feb.	P	4	0	45				801	
		L		2	30					
		C		9	19					
		F	4	22	29					
3	16 Feb.	P	1	37	14	15.6 15.6	—	638	697	
		L		58	45					
		M		39	43					
		M	1	40	4					
		F								
4	16 Feb.	P	2	58	21	13.6 58	—	150	772	
		L	3	0	2					
		M		1	46					
		M		2	29					
		F	4	44	12					
5	16 Feb.	P	8	38	28				678	
		L		39	59					
		F		56	0					
6	16 Feb.	P	11	54	16				741	
		L		55	16					
		F	12	10	29					
7	3 Mar	P	1	15	3				4239	
		L		24	1					
		F	2	38	31					
8	3 Mar	P	16	52	6	14.6	—	150	649	
		L		53	30					
		M	16	55	43					
		C	17	1	25					
		F	17	39	34					

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No.	Date.	Phase.	Time			Period.	Amplitude.		△ Am	Remarks.
			Greenwich.	h	m		s	AE μ		
9	7 Mar.	P	9	30	43				1341	
		L		33	00					
		M		37	32	6.5	+1413			
		M		38	00	9.8		+1625		
		C	10	19	40					
		F	13	19	7					
10	15 Mar.	P	22	6	20				1754	
		L		9	37					
		M		10	18	10.5		+ 22		
		F	22	27	5					
11	16 Mar.	P	6	53	23				725	
		L		54	58					
		C	6	56	58					
		F	7	5	8					
12	31 Mar.	P	21	11	32				1235	
		L		13	34					
		F	21	21	3					
13	1 Apr.	P	19	16	15				4377	
		L		25	35					
		F	19	46	38					
14	13 Apr.	P	6	43	20				309	
		L		43	57					
		F	7	11	48					
15	16 pr.	P	8	20	42				2428	
		L		25	3					
		F	8	45	27					
16	22 Apr.	P	10	55	57				423	
		L		56	50					
		F	21	7	39					
17	27 Apr.	P	19	20	7				1772	
		L		23	26					
		F	19	51	37					

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No.	Date.	Phase.	Time			Period.	Amplitude.		Δ Km	Remarks.
			Greenwich.	h	m		s	AE μ		
18	16 May.	P	12	5	9					
		F	12	40	4					
19	22 May.	P	22	38	47					
		L		44	16				2873	
		M		52	11	9.7		+1288		
		M		52	33	9.7	-1875			
		C	23	2	6					
		F	24	21	50					
20	3 June.	P	7	21	41					
		L		29	11				3696	
		M		33	35	22.9		- 358		
		M		42	24	22.9		+ 833		
		C		48	15					
		F	8	3	46					
21	20 June.	P	14	16	46					
		L		17	57				557	
		M		18	30	26.9		+ 242		
		C		23	33					
		F	14	37	46					
22	11 July.	P	8	9	50					
		L		11	0				545	
		C		15	19					
		F	8	24	38					
23	12 July.	P	21	8	53					
		L		9	38				361	
		M		10	3	14.4		- 633		
		C		12	57					
		F	21	43	50					
24	22 July.	eP	4	28	13					
		eS		31	18					
		eL		32	18				2318	
		M		33	49	19.0		+ 417		
		M		37	42	19.0		+ 242		
		C		41	41					

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No.	Date.	Phase.	Time			Period.	Amplitude.		△ Am	Remarks.
			h	m	s		AE μ	AN μ		
		F	4	53	51					
25	23 July.	eP	20	51	30					
		L		53	51				1372	
		M		54	39	16.4		+ 25		
		F	21	6	11					
26	23 July.	P	23	14	36					
		L		16	37				1231	
		F	23	24	38					
27	1 Aug.	eP	17	16	20					
		F	17	30	30					
28	1 Aug.	eP	18	56	43					
		eF	19	15	13					
29	5 Aug.	P	21	15	5					
		L		16	57				852	
		M		18	5	16.9	-1170			
		M		20	5	15.4		-1325		
		C		25	11					
		F	22	48	10					
30	8 Aug.	eP	1	1	3					
		F	1	23	33					
31	10 Aug.	eP	11	44	48					
		L		51	46					
		M		56	25	19.4		+ 458		
		M	12	0	46	25.8		+ 327		
		M		4	20	20.3		-1233		
		C		17	18					
		F	12	48	45					
32	18 Aug.	P	16	30	54					
		S		32	54					
		L		33	58				1668	
		M		36	13	17.9		-1500		
		M		37	56	16.3	-6025			

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No.	Date.	Phase.	Time			Period.	Amplitude.		Δ Km	Remarks.	
			h	m	s		AE μ	AN μ			
33	20 Aug.	M	19	38	57	15.2		-1000			
		C		46	31						
		F	21	8	58						
		eP	21	42	24	13.1		+ 42			
eL		44	47								
M		47	18								
F	22	29	46								
34	23 Aug.	eP	6	34	2	15.3		+ 208	1474		
		eL		36	38						
		M		39	8						
		C		53	21						
		F	7	33	59						
35	24 Aug.	eP	8	58	26	14.3		+ 40	1559		
		eL		1	15						
		M	9	5	29						
		C		8	26						
		F	9	40	34						
36	24 Aug.	eP	18	20	1	14.4		+ 50	3099		
		L		26	5						
		M		30	57						
		F	18	52	54						
37	27 Aug.	P	12	16	2				689		
		L		17	31						
		F	12	40	47						
38	29 Aug.	P	7	42	46				633		
		L		44	8						
		C		48	16						
		F	8	18	25						
39	11 Sept.	P	22	35	59				6439		
		L		50	33						
		M	23	59	28					21.2	+ 117
		M		2	46					17.0	- 100
		M		6	47					21.5	+ 192

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			Greenwich.				AE	AN		
			h	m	s					
40	15 Sept.	C		11	57					
		F	23	42	46					
		P	15	48	25					
		L		50	1				735	
		C		53	58					
		F	16	5	39					
41	14 Sept.	P	14	16	33					
		L		18	27				847	
		F	14	44	58					
42	30 Sept.	P	7	39	52					
		L		40	36				359	
		M		44	10	16.6		+ 150		
		C		47	10					
		F	8	2	36					
43	11 Oct.	P	17	31	31					
		L		32	16				367	
		M		33	14	5.2		- 125		
		C		36	15					
		F		51	25					
44	24 Oct.	eP	16	8	40					
		L		15	42				3480	
		M		28	42	16.4		- 783		
		M		32	30	17.2		- 405		
		C		38	38					
		F	17	56	15					
45	2 Nov.	eP	19	19	44					
		L		20	25				340	
		F	19	30	16					
46	4 Nov.	P	14	2	13					
		L		11	23				4324	
		F	14	58	57					
47		P	5	1	38					

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No.	Date.	Phase.	Time			Period.	Amplitude.		Δ Km	Remarks.
			h	m	s		AE μ	AN μ		
		L	6	22				2576		
		M	6	47	18.0		+ 192			
		M	12	29	14.4		+ 175			
		C	19	23						
		F	5	36	2					
48	15 Nov.	P	8	34	27					
		L		38	51			2445		
		M		39	2	7.6	+ 20			
		F	8	57	36					
49	22 Nov.	P	12	54	29					
		S		55	34					
		L		56	14			804		
		M	13	0	9	11.3		+ 17		
		C		3	1					
		F	13	18	30					
50	28 Dez.	P	18	23	44					
		L		26	40			1608		
		M		29	39	13.4		-1135		
		M		29	54	6.7	+ 438			
		M		30	52	10.7		-1175		
		M		31	49	7.1	- 338			
		F	20	54	13					
51	30 Des.	P	23	25	55					
		L		26	41			369		
		M		26	60	2.7		- 125		
		M		27	47	2.9	+ 160			
		F	23	49	26					