

NAGASAKI, JAPAN.

SEISMIC BULLETIN

OF THE

NAGASAKI METEOROLOGICAL OBSERVATORY OF JAPAN.

$\phi=32^{\circ} 44'03''$ $\lambda=129^{\circ}52'31''$ $h=130.6m.$

Lithologic foundation : Volcanic Agglomerate.

Instrument: Omori Horizontal Pendulum.

	T_0	\mathcal{J}	$\frac{r}{T_0^2}$	V
AN	20			20
AE	26			120
Az				

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			135° E				AN	AE	Az		
			h.	m.	s.	s.	μ	μ	μ	km.	
1/2	I Jan.	P	5	44	55					10	Microseisms
2	" "	P	8	47	39					21	Ditto, Felt in Nagasaki
		L	8	47	41.9			± 25			
		F									
3	1 "	P	12	32	21					18	Ditto
4	2 "	P	8	30	17					35	Ditto
5	4 "	P	1	36	10					18	Ditto
6	5 "	P	8	51	14					22	Ditto
7	7 "	P	9	29	44					22	Ditto
8	13 "	P	6	40	31					32	Ditto. Felt in Nagasaki
		L=M	6	40	35.3			$+ 15$			
		F	6	41	05						
9	13 "	P	6	52	37					32	Ditto
		L=M	6	52	41.3						
		F	6	53	03						
10	14 "	P	5	03	50					36	Ditto
11	15 "	P	5	52	21		- 0.1	- 1		910	Great damage has been done, Epicenter Mt. Tanzawa
		L	5	54	23	9.	- 450				
		M	5	55	03	5.7	-1000	-1000			M: Observed by Imamura
		FN	6	07	30						Typo $T_0=3$ $V=2$
12	19 "	P	11	56	20					18	Microseisms
13	20 "	P	7	17	00					18	Ditto
14	" "	P	19	42	01					18	Ditto
15	21 "	P	10	58	31		- 1	- 1		2545	Distant faint record.
		S	10	59	57						
		L	11	03	10						
		M	11	05	20		- 5	+ 8			
		F	11	15	13						
16	27 "	P	6	22	48			- 1		< 10	Microseisms
17	31 "	P	11	12	45					15	Ditto

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	T_0	\mathcal{E}	$\frac{r}{T_0^2}$	V
A_N	20			20
A_E	26			120
A_z				

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			135° E				A_N	A_E	A_z		
			h.	m.	s.	s.	μ	μ	μ	km.	
1	I Jan.	P	5	44	55					10	Microseisms
2	" "	P	8	47	39					21	Ditto, Felt in Nagasaki
		L	8	47	41.9			± 25			
		F									
3	1 "	P	12	32	21					18	Ditto
4	2 "	P	8	30	17					35	Ditto
5	4 "	P	1	36	10					18	Ditto
6	5 "	P	8	51	14					22	Ditto
7	7 "	P	9	29	44					22	Ditto
8	13 "	P	6	40	31					32	Ditto. Felt in Nagasaki
		L=M	6	40	35.3			$+ 15$			
		F	6	41	05						
9	13 "	P	6	52	37					32	Ditto
		L=M	6	52	41.3						
		F	6	53	03						
10	14 "	P	5	03	50					36	Ditto
11	15 "	P	5	52	21		- 0.1	- 1		910	Great damage has been done, Epicenter Mt. Tanzawa
		L	5	54	23	9.	- 450				
		M	5	55	03	5.7	-1000	-1000			M: Observed by Imamura
		F_N	6	07	30						Typo $T_0=3$ $V=-2$
12	19 "	P	11	56	20					18	Microseisms
13	20 "	P	7	17	00					18	Ditto
14	" "	P	19	42	01					18	Ditto
15	21 "	P	10	58	31		- 1	- 1		2545	Distant faint record.
		S	10	59	57						
		L	11	03	10						
		M	11	05	20		- 5	+ 8			
		F	11	15	13						
16	27 "	P	6	22	48			- 1		< 10	Microseisms
17	31 "	P	11	12	45					15	Ditto

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	T_0	\mathcal{J}	$\frac{r}{T_0^2}$	V
AN	20			20
AE	26			120
Az				

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			135° E				AN	AE	Az		
			h	m.	s.		μ	μ	μ		
18	1 Feb	P	4	42	25				140	Very small amplitude.	
		L	4	47 ²	44						
		F	4	43	22						
19	2	"	P	15	50	17			22	Microseisms	
20	3	"	P	2	27	53			> 22	do.	
21	3	P L=M FN	2	27	59	+ 5	+ 2		56	Felt in Nagasaki Epical: Sea of Amakusa	
			2	28	06.5	- 400	+ 220				
			2	31	43						
22	3	eP eL F	7	27	16				1070 ?		
			7	29	40						
			7	50	—						
23	4	P L F	3	13	14				126	Neighbouring Koshiki Is	
			3	13	31		- 7				
			3	14	36						
24	5	P L F	3	44	21				142	do.	
			3	44	29						
			3	44	57						
25	5	P L F	20	37	54				148	do.	
			20	38	14						
			20	39	08						
26	6	"	P	18	14	32			19	Microseisms	
27	7	P L F	4	31	18				70	No. 28-42 Microseisms	
			4	31	27.6						
			4	31	49						
43	15	P L F	17	25	12		+ 6		15	Microseisms, Felt in Nagasaki	
			"	"	14		+ 7				
			"	"	58						
44	"	"	P	20	54	07			15	Microseisms	
45	20	P L F	19	44	44				18	do, Felt in Nagasaki	
			"	44	46.5		+ 8				
			"	45	02						
49	23	eP F	2	16	53				340 ?	Faint record. No.50-51, Microseisms.	
			2	20	15						
52	25	P F	1	48	51				89	Faint record.	
			1	49	56						
53	25	"	P	15	37	25			36	Microseisms	
54	25	"	P	18	29	06			15	do.	

No 3



Form 1 st to 31 st Mar 1924

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	T_0	\mathcal{J}	$\frac{r}{T_0^2}$	V
A_N	20			20
A_E	26			120
A_z				

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			h	m.	s.		A_N	A_E	A_z		
			135° E								
			h	m.	s.	s.	μ	μ	μ	km.	
55	1 Mar.	P	21	03	34				10	Microseismes	
56	2 "	P	9	25	50				26	Ditto	
57	11 "	P	22	31	10				22	Ditto, Felt in Nagasaki	
		L	22	31	13						
		F	22	31	57						
58	11 "	P	22	31	58				22	Ditto	
59	12 "	P	18	18	04				22	Ditto	
60	15 "	P	17	11	08				22	Ditto	
61	15 "	P	19	35	40				2350		
		L	19	39	34						
		M_1	19	41	45			+125			
		M_2	19	43	43			-108			
		F	20	08	12						
62	19 "	P	19	44	49				156		
		L	19	45	10						
		F	19	45	54						
63	23 "	P	7	45	34				18	Microseisms	
64	24 "	P	9	52	13				178		
		L	9	52	37						
		M	9	52	49						
		F	9	55	05						
65	27 "	P	16	27	55				22	Microseisms	
		L	16	27	58			+12			
		M	16	28	03			-14			
		F	16	28	42						
66	31 "	P	22	35	35				15	Ditto, Felt in Nagasaki	
		L	"	"	37			+5			
		F	"	36	22						

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	T_0	\mathcal{J}	$\frac{r}{T_0^2}$	V
AN	20			20
AE	26			120
Az				



No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			135° E				AN	AE	AZ		
			h	m.	s.						
67	1 April	P	16	04	29				178		
		L	16	04	53						
		F	16	08	58						
68	3 "	P	9	36	10				26	Microseisms	
69	3 "	P	11	32	14				89		
		L	11	32	26						
		F	11	35	51						
70	3 "	P	11	33	17				89		
		L	11	33	29						
		F	11	35	51						
71	7 "	P	7	37	49				10	Microseisms	
72	11 "	P	22	56	18				14	do	
		L	22	56	20	0.5		-29			
		F	22	56	58						
73	14 "	P	15	57	51				18	do	
		L	15	57	53.4						
		F	15	58	31						
74	15 "	P	1	26	11	14	-160	± 0	2100		
		LE	1	30	51.2	7		+19			
		LN	1	30	51.2	22	+450				
		M ₁	1	31	31.5	15	+3350				
		M ₂	1	36	20	15	+3575				
		M ₃	1	41	16	15	+1900				
75	16 "	P	0	49	12.5				14	Microseisms	
		L	0	49	14.5						
		F	0	49	48						
76	17 "	P	13	38	34				360		
		L	13	39	22						
		F	"	41	46						
77	17 "	P	14	33	37				450		
		L	14	34	37						
		F	14	35	54						
78	20 "	P	9	55	58.5				275		
		L	9	56	35						
		F	9	58	19						
79	25 "	P	3	27	07				18	Microseisms	
		L	3	27	09.5						
		F	3	27	43						
80	28 "	P	14	16	54				180		
		L	14	17	17						
		F	14	18	09						

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	T_0	\mathcal{J}	$\frac{r}{r_0^2}$	V
AN	20			20
AE	26			120
Az				

No.	Date	Phase	Time			Period	Amplitude			Δ	Remarks
			135° E				AN	AE	Az		
			h.	m.	s.	s.	μ	μ	μ	km.	
81	1 May	P	21	09	44					18	Microseisms
82	1 "	P	21	14	39					18	Ditto
83	5 "	eP	2	02	20						Distant, very small amplitude
		eM	2	11	10		-40	-23			
		eF	2	45	55						
84	7 "	eP	1	13	54					1630	
		L	1	17	34	9	+50	-6			
		MN	1	17	46	12	+175				
		ME	1	17	57	14		+54			
		F	2	07	05						
85	7 "	P	10	38	06					364	
		L	10	38	55						
		F	10	43	54						
86	10 "	P	19	01	06					24	Microseisms
87	11 "	P	18	23	48					45	Ditto
88	18 "	P	15	48	43					74	
		L	15	48	53						
		F	15	49	23						
89	19 "	P	17	12	10			-3		22	Microseisms
		L	17	12	13			± 3			
		F	17	12	46						
90	21 "	P	11	47	16					45	Ditto, felt in Shimabara machi. Epicenter: neighbouring Shimabara machi.
		L	11	47	22						
		F	11	47	52						
91	21 "	P	14	58	05					45	Ditto, felt Shimabara machi. 4 ^h 50 ^m 4 ^h 57 ^m 5 ^h 20 ^m 6 ^h 30 ^m A.M. 23 rd slight shock at Shimabara machi.
		L	14	58	11						
		F	14	59	03						
92	23 "	P	23	38	08					540	
		L	23	39	21		-20	-16			
		M	23	39	39		-100	+42			
		F	23	48	30						
93	24 "	P	0	37	51					36	Microseisms
		L	0	37	55.8						
		F	0	38	30						
94	28 "	P	18	55	55					1460	
		L	18	59	12						
		M	18	59	28	N 14 E 19	+200	+150			
		F	19	07	15						
95	30 "	P	7	23	40					<10	
96	31 "	eP	21	06	20					1387	
		eL	21	09	27						
		F	21	16	45						
97	31 "	eP	21	30	20					1358	
		eL	21	33	23						
		F	21	37	45						

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	T_0	\mathcal{E}	$\frac{r}{T_0^2}$	V
AN	20			20
AE	26			120
Az				

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h	m.	s.		AN μ	AE μ	Az μ		
98	3 June	P	16	39	34				74	Microseisms	
99	4 "	P	8	33	08				44	do	
100	" "	P	10	03	26				26	do No. 106-110. Microseisms	
101	5 "	P	7	31	41				44	do on 11th	
102	" "	P	21	54	58				14	do	
103	8 "	P	17	43	49				34	do No. 111-114 Microseisms	
104	10 "	P	11	57	04				53	do on 14th	
105	" "	P	17	09	34				44	do	
105	16 "	P	10	58	13				34	do	
		L	"	"	17.8						
		F	"	59	07						
116	" "	P	15	47	24				37		
		L	"	"	29	$\frac{1}{3}$		- 26			
		F	"	49	20						
117	" "	P	16	02	06				187		
		eL	"	"	31.2						
		F	"	06	25						
118	17 "	P	2	17	41				195		
		L	"	18	07.4						
		F	"	19	36						
119	" "	P	4	02	49				17	Microseisms	
120	20 "	P	5	21	20	$\frac{1}{3}$		2	25	do. felt in Nagasaki	
		L	5	21	23.5	$\frac{1}{3}$		12		(class: 1)	
		F	"	"	55						
121	22 "	P	1	54	20				45	do.	
122	" "	P	9	46	31	$\frac{1}{2}$	± 0	+ 21	63	North Ariake Sea.	
		S	"	"	38		± 0	-187			
		L	"	"	39.5		-100	+250			
		F	"	50	35						
123	23 "	P	7	21	16				45	do.	
124	25 "	P	5	49	56				26	do.	
125	26 "	eP	10	50	41					Dis ant	
		M	11	08	06	14	+200				
		M	11	29	18	21	-100				
		F	12	50	48						
126	30 "	P	18	03	31	$\frac{1}{2}$	+ 20	- 3	34	do Felt in Nagasaki.	
		L	"	"	35.7	$\frac{1}{2}$	- 75	- 50		(class: 1)	
		M	"	"	38	$\frac{1}{2}$		+ 60		Epicentre: Eastern sea of Isahaya.	
		F	"	06	45						
127	" "	P	18	09	34		+400	+50	30	do. Epicentre Eastern Sea of Isahaya. Felt	
		L	"	"	38	0.8	-350	+500		in Nagasaki (class: 2, and Nagasaki	
		M	"	"	43.5	0.8	+700	+350		Prefecture except Tsushima and Goto.	
		F	"	11	25					Observed by Imamura Typo. $T_0=3$, $V=2$.	

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Az				

No.	Date	Phase	Time		Period	Amplitude			Δ	Remarks	
			135° E			AN	AE	Az			
			h	m.		s.	μ	μ			μ
128	1 July	P	0	48	31	4	+ 5	+ 5	2070		
		PR ₁	0	49	05	$\frac{E}{N} \frac{6}{10}$	-65	- 71			
		S	0	51	44	$\frac{E}{N} \frac{4}{01}$	-50	+ 6			
		L	0	51	57	$\frac{E}{N} \frac{15}{19}$	+150	- 325			
		M	0	52	10	$\frac{E}{N} \frac{8}{14}$	+425	- 120			
		M _E	0	54	52	14		+ 54			
		M _N	0	56	46	11	+190				
		C _E	1	00	50	14		+ 13			
		C _N	1	02	40	12	-100				
131	3 "	P	13	47	29				5440		
		S	13	53	17						
		L	14	00	21	24	+200				
		M ₁	14	02	17	17		- 617			
		M ₁	14	02	37	14	+1850				
		M ₂	14	05	05	14		+ 330			
		M ₂	14	05	10	12	+300				
		M ₃	14	08	01	14	+250				
		M ₃	14	08	34	17		- 42			
		M ₄	14	10	01	12	+400				
		M ₄	14	10	59	12		- 25			
		F	15	08	10						
		135	12 "	P	4	57	54				
L	5			04	39						
M ₁	5			05	31	12	+200				
_E M ₂	5			06	45	20	+700				
_N M ₂	5			07	08		- 58				
_N M ₃	5			08	43	14	-700				
_E M ₃	5			09	03	13		- 110			
_N M ₄	5			09	45		+800				
_N M ₄	5			10	56	13		- 133			
F	6	06	45								
136	13 "	eP	0	38	57					Distant earthquake	
138	16 "	F	1	00	46				22	No. 137: Microseisms on 14 th	
		P	14	46	52					Microseisms, felt in Nagasaki.	
141	17 "	L	14	46	55		+ 25		70	No. 139-140 do, unfelt.	
		F	14	47	55					do, felt in Nagasaki.	
		P	18	39	03		- 2				
143	22 "	L	18	39	12.5		+ 17		20	No. 142 Microseisms on 18 th	
		F	18	40	10					do, felt in Nagasaki prefecture except Iki,	
		P	21	42	36		+ 30	+ 6		Tsushima	
144	22 "	L	21	42	38.1		+500	+ 450	1788		
		F	21	43	08						
		P	23	26	39						
		S	23	29	50						
		L	23	30	40	18	+140			No. 145 Microseisms on 23 th	
M	23	33	25	12	+225		No. 145 " " 31 th				
F	23	47	35								

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A_N	20			20
A_E	26			120
A_z				

No.	Date	Phase	Time			Period	Amplitude			Δ km.	Remarks
			135° E				A_N	A_E	A_z		
			h	m.	s.		μ	μ	μ		
247	13 Aug.	P	3	20	04				549		
		L	3	21	18						
		F	3	25	00						
148	13 "	P	17	41	11				18	Microseisms	
149	13 "	P	20	10	01				18	do	
150	15 "	P	3	05	07				1300	The bottom off the east coast of Honshū, E. component needle off in Max. motion,	
		S	3	07	42	E 5	+ 50	- 23			
		L	3	08	02	$\frac{N}{E} \frac{7.2}{4.5}$	+ 450	+ 133			
		M_1	3	11	57	16	+4250				
		M_2	3	13	33	14	+3000				
		F	4	22	30						
151	15 "	P	8	30	17				1500		
		S	8	33	16		- 75	- 13			
		L	8	33	30	N 10	+ 70	- 50			
		M	8	34	25	N 15	+ 200	- 75			
		F	8	42	35						
152	16 "	P	20	00	25				18	Microseisms	
153	17 "	P	10	48	46				1200		
		L	10	51	28						
		F	11	04	30						
154	17 "	P	11	12	39				1573		
		L	11	16	11						
		M	11	16	47	14	- 200				
		M	11	17	54	14	+ 200				
		M	11	18	01	10		+ 80			
		F	11	38	33						
155	25 "	P	23	32	46				1293		
		L	23	35	40						
		M	23	37	19	$\frac{E}{N} \frac{12}{1}$	- 400	- 237			
		M	23	39	16	11		+ 125			
		M	23	39	28	14	+ 425				
		F	23	58	28						
156	29 "	P	8	51	03				275	The bottom off the SW coast of Shikoku, E. Component needle off in Max. Motion,	
		L	8	51	40	1.0	+ 750	- 46			
		M	8	51	47	$\frac{1}{2}$		+458<			
		C	8	55	11	8.5	+ 20				
		F	8	04	20						
157	30 "	P	4	14	20				45	Microseisms	
158	30 "	P	12	10	28				2394		
		S	12	12	16			- 23			
		L	12	14	41	N 14	- 75	- 10			
		M_1	12	15	41	$\frac{N}{N} \frac{15}{14}$	+ 180	+ 270			
		M_2	12	17	24	$\frac{N}{E} \frac{17}{12}$	+ 550	+ 75			
		M	12	23	14	15	+ 400				
		F	13	21	22						

NAGASAKI, JAPAN.

SEISMIC BULLETIN

OF THE NAGASAKI METEOROLOGICAL OBSERVATORY OF JAPAN

$\phi=32^{\circ} 44'03''$ $\lambda=129^{\circ}52'31''$ $h=130.6m.$

Lithologie foundation: Volcanic Agglomerate.

Instrument: Omori Horizontal Pendulum.

	Γ_0	\mathcal{E}	$\frac{r}{T_0^2}$	V
A _N	20			20
A _E	26			120
A _Z				

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		A _N μ	A _E μ	A _Z μ		
159	7 Sept	P	0	06	58				< 10	Microseisms	
160	" "	P	0	41	50				< 10	do	
161	" "	P	3	52	21				< 10	do	
162	13 "	eP	23	54	06				8750	Distant Earthquake	
	14 "	S	0	05	34						
		L	0	14	34		- 80				
		M	0	19	35		+ 85				
		F	1	05	35						
163	14 "	P	4	47	17				30	Microseisms	
164	16 "	eP	8	34	37				675		
		L	8	36	08						
		M	8	36	42						
		F	8	40	55						
165	" "	P	14	44	08				37	Microseisms	
166	" "	P	14	47	16				22	do	
167	18 "	eP	10	10	50				1105	Kashima Nada	
		S	10	12	51						
		L	10	13	19	5		+ 7			
		M	10	14	07	8	- 25	- 61			
		F	10	26	47						
168	19 "	P	1	57	02				18	Microseisms	
169	23 "	eP	0	29	36				341		
		L	0	30	22						
		F	0	32	20						
170	" "	P	5	22	31				< 10	Microseisms	
171	" "	P	7	22	25				30	do	
172	24 "	P	17	07	53				22	do	
173	25 "	P	2	37	48				22	do	
174	" "	P	3	46	07				794		
		L	3	47	54						
		F	3	51	55						
175	" "	P	7	29	05				22	Microseisms	
176	" "	P	11	30	39				26	do	
177	" "	P	21	19	02				16	do	
178	27 "	P	7	24	42				22	do	
179	" "	P	14	10	17				28	do	

NAGASAKI, JAPAN.

SEISMIC BULLETIN

OF THE NAGASAKI METEOROLOGICAL OBSERVATORY OF JAPAN

$\phi = 32^{\circ} 44' 03''$ $\lambda = 129^{\circ} 52' 31''$ $h = 130.6m.$

Lithologic foundation: Volcanic Agglomerate.

Instrument: Omori Horizontal Pendulum.

	Γ_0	\mathcal{E}	$\frac{r}{T_0^2}$	V
A _N	20			20
A _E	26			120
A _Z				

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		A _N μ	A _E μ	A _Z μ		
180	5 Oct.	P	4	01	33				18	Microseisms	
181	6 "	P	8	25	12				<10	do	
182	7 "	P	0	59	25				<10	do	
183	8 "	P	16	12	22				22	do	
184	" "	P	17	06	49				38	do	
185	14 "	P	7	18	40				26	do	
186	" "	P	11	58	31				22	do	
187	" "	P	22	57	56		+ 2		38	do	
		L	"	58	01.2		-16				
		F	"	"	50						
188	16 "	P	13	27	23				45	do	
189	" "	P	17	46	50				45	do	
190	17 "	P	11	00	36				53	do	
191	" "	P	23	52	45				26	do	
192	18 "	P	7	55	33				26	do	
193	19 "	P	4	37	32				668		
		L	4	39	02						
		M	4	39	14		-100	+ 8			
		F	4	45	57						
194	20 "	P	22	40	18	$\frac{1}{2}$		- 3	31	Microseisms, felt in Nagasaki	
		L	22	40	22.2	$\frac{1}{2}$	-30	+18		class:(1) Eastern sea of Isahaya.	
		F	22	44	13						
195	21 "	P	7	48	27				18	do	
196	" "	P	11	43	30				33	do	
		L	"	"	34.6						
		F	"	44	38						
197	" "	P	11	48	31				25	do	
198	" "	P	15	58	03				25	do	
199	22 "	P	10	29	32				22	do	
200	23 "	P	3	10	28				18	do	
201	27 "	P	18	04	15	<1		- 2	36	do, felt in Nagasaki class: (1)	
		L	"	"	19.8	1		+200			
		M	"	"	22.2	1		+233			
		F	"	05	22						
202	29 "	P	0	11	46				18	do	
203	" "	P	1	05	22				<10	do	
204	30 "	P	15	"	18				92	do	

No. 12

From 1st to 31th Dec. 1924

NAGASAKI, JAPAN.

SEISMIC BULLETIN

OF THE NAGASAKI METEOROLOGICAL OBSERVATORY OF JAPAN

No. 11

From 1st to 30th Nov. 1924

NAGASAKI, JAPAN.

SEISMIC BULLETIN

$\phi = 32^{\circ} 44' 03''$ $\lambda = 129^{\circ} 52' 31''$ $h = 130.6\text{m.}$

Lithologic foundation: Volcanic Agglomerate.

Instrument: Omori Horizontal Pendulum.

	T_0	\mathcal{E}	$\frac{r}{T_0^2}$	V
AN	20			20
AE	26			120
AZ				

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AN μ	AE μ	AZ μ		
205	1 Nov.	P	12	33	56	<1		- 5	18	Micros	
206	8 "	P	23	10	57	<1		+ 11	37	do. felt in Nagasaki	
		S	"	11	00	<1	+ 90	\pm 8			
		L	"	11	02						
		F	"	"	50				18	do	
207	13 "	P	8	46	16				20	do	
208	14 "	P	1	20	01				22	do	
209	20 "	P	3	01	22				22	do	
210	22 "	P	13	50	31				1270		
211	26 "	P	2	30	29	5	+ 25	+ 2			
		L	2	33	20	5		+ 16			
		M	"	"	26	5		+ 13			
		M	"	34	05						
		F	"	38	17						

NAGASAKI, JAPAN.

SEISMIC BULLETIN

OF THE NAGASAKI METEOROLOGICAL OBSERVATORY OF JAPAN

$\phi = 32^{\circ} 44' 03''$ $\lambda = 129^{\circ} 52' 31''$ $h = 130.6\text{m.}$

Lithologic foundation: Volcanic Agglomerate.

Instrument: Omori Horizontal Pendulum.

	To	\mathcal{E}	$\frac{r}{T_0^2}$	V
AN	20			20
AE	26			120
Az				

No.	Date	Phase	Time 135° E			Period s.	Amplitude			Δ km.	Remarks
			h.	m.	s.		AN μ	AE μ	Az μ		
212	Dec. 3	P	13	38	10				30	Microseisms	
		L	"	"	13,5						
		F	"	"	47						
213	" "	P	16	42	51				30	do	
		F	"	43	14						
214	" 13	P	8	24	10				30	do	
215	" "	P	11	52	03				54	do	
216	" 14	P	5	20	10				54	do	
217	" 16	P	16	41	20				30	do	
218	" 19	P	17	11	42				18	do	
219	" "	P	19	41	48				18	do	
220	" "	P	19	41	53				18	do	
221	" "	P	19	42	29				18	do	
222	" "	P	19	48	28				18	do	
223	" 23	P	10	15	44				18	do	
224	" "	P	19	22	04				25	do	
225	" 24	P	2	46	19				25	do	
226	" "	P	2	47	15				25	do	
227	" 27	P	20	25	44				1360		
		L	20	28	46			- 25			
		M	20	29	23	2	+ 125				
		F	20	59	14						
228	" 29	P	7	58	40				2590		
		L	8	03	26						
		M	8	04	15	23		+ 50			
		M	8	06	05	E 23 N 19	- 400	- 100			
		F	8	40	-						
229	" 30	P	17	07	07				35	Microseisms	
230	" 31	P	21	19	46				18	do	