NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

January 1 [illegible]

Wiechert Seismograph.
(Horizontal and Vertical)

	T_o	ε	$\frac{r}{T_o^2}$	V
AN:	4.6	10.0	0.017	89
AE:	4.6	10.0	0.017	89
AZ:	5.3	3.1	0.016	53

Omori's Seismograph.
(Horizontal Pendulum)

	T_o	ε	$\frac{r}{T_o^2}$	V
AN:				
AE:				

No.	Date	Phase.	Time. 135°E			Period	Amplitude			△	Remarks
			h	m	s	s	A_E	A_N	A_Z	km	
	Jan						μ	μ	μ		
1	5	eP	10	23	57.4					1860	
		eL	10	2[illegible]	22.4						
		F	10	39	28.8						
2.	6	eP	3	55	4.4					1649	
		eS	3	57	26.6						
		F	4	05	5.8						
3	6	eP	8	07	29.9					256	
		eS	8	08	4.1						
		F	8	14	14.1						
4	11	eP	3	17	15.0						
		F	3	23	55.0						
5	11	eP	16	14	12.8					163	
		eS	16	14	41.8						
		F	16	20	55.0						
6	12	e	6	22	20.6					460	
		eS	6	23	22.6						
		F	6	31	56.8						
7	19	e	15	50	12.8						
		F	15	53	8.8						
8	21	e	13	28	54.6						
		F	13	33	28.9						

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of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'\,N$ $\lambda = 138^{\circ}51'\,E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E			Period	Amplitude			△	Remarks
			h	m	s	s	A_E μ	A_N μ	A_Z μ	km	
9	21	e	22	10	16.7						
		F	22	13	32.8						
10	21	e	23	01	52.3						
		F	23	07	3.2						
11	23	eP	7	49	21.8	1.2				1825	
		eS	7	49	46.4	1.6					
		M_E	7	49	48.3		+21.8 -43.5				
		F	7	53	42.4						
12	25	eP	8	41	21.0					243.9	
		eS	8	41	53.8						
		F	8	44	30.7						
13	25	eP	20	43	2.4					277.	
		eS	20	43	39.7						
		F	20	47	27.3						
14	26	eP	21	24	26.4					1815	
		eS	21	27	32.2						
		F	21	31	45.7						
15	31	e?	3	21	38.5						
		F	3	25	1.3						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\phi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Feb. 1940

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:	4.6	10.0	0.017	89
AE:	4.6	10.0	0.017	89
AZ:	3.9	3.1	0.016	53

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:	15.9	4.2	0.005	20
AE:	16.0	3.0	0.018	20

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
				s	μ	μ	μ	km	
16	1 Feb	E	13 35 11.8						
		F	13 40 42.5						indistinct.
17	2 "	P	8 08 1.5					192	
		eL	8 08 27.3						
		F	8 14 2.7						
18	3 "	e?	0 02 39.4						indistinct.
		F	1 13 ±						
19	3 "	E	6 02 5.3					121	
		eL	6 02 21.5						
		F	6 05 50.4						
20	4 "	e	15 06 39.6						indistinct.
		F	17 08 55.7						
21	4 "	-	13 00 8.1					247	indistinct
		-	13 00 41.3						
		F	13 05 26.7						
22	5 "	e	22 32 2.9						
		F	22 36 23.2						
23	7 "	e	17 43 41.0					251	
		eL	17 43 57.5						
		F	17 51 21.8						
24	9 "	e	20 38 14.0						
		F	20 39 44.0						
25	11 "	e	9 13 4.1						
		eL	9 13 47.4						
		M_N	9 14 11.6	2.8	-	± 77	-		
		M_E	9 14 15.4	2.8	± 58	-	-		
		F	9 22 8.0						
26	12 "	e	9 07 44.3						
		F	9 08 54.2						
27	14 "	E	2 19 57.0					45	
		eL	2 20 3.0						
		F	2 24 27.9						
28	15 "	E	1 13 21.2						
		F	1 15 6.7						

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SEISMOLOGICAL BULLETIN

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$\psi = 35^{\circ}06'\,N$ $\lambda = 138^{\circ}51'\,E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E			Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
~~4~~	~~15, F~~	~~ε ?~~	~~h0~~	~~m6~~	~~28.7~~	s	μ	μ	μ	km	
		$\bar{F}$	16	32	1.6						
30	17, F.u-	ε $\bar{P}$	22	02	3.5					29.7	The epicentre was on Ito, which is situated in Lat. 34° 58' N and Long 139° 04' E.
		ε $\bar{S}$	22	02	7.5						
		$\bar{F}$	22	04	42						
31	17 "	ε	22	04	35.1					29.7	ditto
		ε $\bar{S}$	22	04	34.1						
		$\bar{F}$	22	05	47.2						
32	17	ε	22	20	53.4					29.7	ditto
		ε $\bar{S}$	22	20	57.6						
		$\bar{F}$	22	22	38.2						
33	18 "	ε	16	11	45.7					28.2	ditto
		ε $\bar{S}$	16	11	49.5						
		$\bar{F}$	16	13	14.6						
34	19 "	ε	10	49	1.9						
		$\bar{F}$	10	51	11.3						
35	19 "	ε $\bar{P}$	16	46	43.3						ditto
		ε $\bar{S}$	16	46	47.3						
		$\bar{F}$	16	49	59.3						
36	19 "	ε $\bar{P}$	23	16	6.4						ditto
		ε $\bar{S}$	23	16	10.3						
		$\bar{F}$	23	18	6.7						
37	19 "	$\bar{P}$	23	26	24.9						distinct, ditto
		$\bar{S}$	23	26	28.8						
		$\bar{F}$	23	29	9.9						
38	20 "	ε $\bar{P}$	11	28	54.4		+ 6.8	= 3.4	= ?		distinct, ditto
		$\bar{S}$	11	28	58.4						
		$\bar{F}$	11	33	27.0						
39	20. "	ε $\bar{P}$	13	46	15.5					32.7	ditto
		ε $\bar{S}$	13	46	19.9						
		$\bar{F}$	13	50	17.6						
40	20 "	ε $\bar{P}$	13	54	33.3					28.3	ditto
		ε $\bar{S}$	13	59	37.1						
		$\bar{F}$	14	01	0.2						
41	20 "	ε $\bar{P}$	14	30	1.3					40.0	ditto
		ε $\bar{S}$	14	30	6.7						
		$\bar{F}$	14	31	31.6						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date	Phase.	Time. 135°E			Period	Amplitude			△	Remarks
			h	m	s	s	A_E μ	A_N μ	A_Z μ	km	
42	20, Feb	ēP	16	39	51.8						near Ito,
		iS̄	16	39	16,2						
		F1	16	40	29.1						
43	20.	e	21	29	47.5						
		es?	21	29	31,7						
		F1	21	31	11.7						
44	20	e	23	00	35,1						
45	20	iP̄	23	19	22.2						
		eS̄	23	19	25,0	....	E 4.5	S 4.5	---	---	Near Ito,
		F1	23	20	56,2					20.7	
46	21	iP̄	1	51	40,6	..	..	..	..	29.0	ditto
		iS̄	1	51	44.5						
		F1	1	53	11.4						
47	21	e	4	16	54.6						ditto
		es	4	17	3,9						
		F1	4	19	18.4						
48	21	iP	8	37	9,1	0.2	E 7.9	S 3,4	Z ?		ditto, distinct.
		iS	8	37	5,1	..	E1045	S 40,5	D189		
		M_N	8	37	17.3	1.2		+37.8 −41.0			
		M_E	8	37	40.1	"	+23,3 −34.5				
		F1	8	43	3.6						
49	21,	iP	10	00	56.1						ditto
		iS	10	00	59.5		E 22.3	N 27.8			
		F1	10	03	23,3						
50	21.	eP	10	35	43.2						ditto
		eS	10	35	48,5		E 4.5	S 9.3			
		F1	10	37	24.2						
51	21	eP	10	51	19.9						ditto
		eS	10	51	23.9						
		F1	10	52	48.2						
52	21	eP	11	05	55.2					41	ditto
		eS	11	06	0.7						
		F1	11	07	24.5						
53	21	eP	17	25	22.0						
54	21	eP	22	02	39.0						indistinct

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ h = 6.0m

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ξ	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ξ	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E h	m	s	Period s	Amplitude A_E μ	A_N μ	A_Z μ	△ km	Remarks
55	21, Feb	iP	22	04	49.9						near Ito,
		F1	22	06	36.2						
56	21. "	eP	22	08	29.9						ditto
57	21 "	eP	22	09	50.1						
		iS	22	09	54.1						ditto
58	21 "	iP	22	12	37.2						ditto
		iS	22	12	40.6						
		F	22	15	59.4						
59	21	e	22	22	0.8						ditto
		F	22	24	14.8						
60	21	iP	22	44	39.5						distinct, ditto
		iS	22	44	43.9						
		F	22	48	38.9						
61	21.	iP	23	09	54.5	0.5					ditto
		iS	23	09	58.8	0.5					
		F	23	11	50.4						
62	22	e	1	56	49.5						ditto
		F	1	58	28.6						
63	22	iP	2	32	20.2					26	ditto
		iS	2	32	23.7						
		F	2	33	58.6						
64	22	e	4	15	5.1						
		F	4	17	22.7						
65	22,	e	6	34	34.5						
		F	6	36	35.3						
66	22	iP	6	55	8.9						
		iS	6	55	12.7	0.5	E 10.6	N 24.5	U 14.4		
		F	6	59	9.1						
67	22	e	7	07	31.7						
		F	7	09	23.9						
68	22	iP	8	29	52.3						
		iS	8	29	56.3						
		F	8	32	23.7						

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$\psi = 35^{\circ}06'\,N$ $\lambda = 138^{\circ}51'\,E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E			Period	Amplitude			△	Remarks
			h	m	s	s	A_E	A_N	A_Z	km	
69	22, Feb	e	8	52	43.1		μ	μ	μ		
		Fi	8	55	35.0						
70	22.	iP	9	08	23.2						near Ito,
		iS	9	08	27.6						
		Fi	9	12	31.1						
71	22 "	e	9	36	8.5						
72	22 "	iP	12	49	46.3						ditto
		iS	12	49	50.5						
		Fi									
73	22	iP	12	51	34.7						ditto
		Fi	12	54	34.9						
74	22	iP	14	48	11.5						ditto
		iS	14	48	15.0						
		M_E	14	48	25.9	1.1	±78	±68			
		M_N	14	48	23.6						
		Fi	14	53	35.3						
75	22	eP	18	08	43.7						ditto
		eS	18	08	46.7						
		Fi	-	-	-						
76	22	eP	18	09	53.8					28	ditto
		eS	18	09	57.5						
		Fi	18	11	14.1						
77	22	eP	18	21	47.2					30	ditto
		iS	18	21	51.2						
		Fi	18	24	33.3						
78	22	eP	18	25	11.9						ditto
		S	18	25	16.2						
		Fi	18	27	3.2						
79	22	P	18	36	7.4						ditto
		iS	18	36	11.3						
		Fi	18	38	18.2						
80	22.	eP	19	43	25.6						ditto
		eS	19	43	29.2						
		Fi	19	45	22.6						

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$\phi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E h	m	s	Period s	Amplitude A_E μ	A_N μ	A_Z μ	△ km	Remarks
81	22, Feb	i P	20	22	2,4	0.5	E 58,3	S 22,5	D 75,3	29	Near Ito, very distinct, felt moderately at Numad
		i S	20	22	6.3	-	-	-	-	-	
		M_E	20	22	6,8	2,2	± 34 − 22	-	-	-	
		M_N	20	22	11.9	2.2	-	± 39	-	-	
		F1	20	31	34.8						
82	22.	P	22	04	33.3					25	
		S	22	04	36,6						
		F1	22	06	29,5						
83	22.	e P	22	52	38,4						
		i S	22	52	42,0						
		F1	22	54	14.9						
84	23.	P	7	09	25,4					25	ditto
		S	7	09	28.8						
		F1	7	11	6,8						
85	23	e	7	44	41,8						
		F1	7	46	21,6						
86	23.	e P	8	14	56.1					35	ditto
		S	8	15	0.8						
		F1	8	17	24.9						
87	23	e P	10	21	50.9						ditto
		i S	10	21	55,1		E				
		F1	10	25	32.4						
88	23	e	11	25	50,1						
		es	11	25	55,0						
		F1	11	27	28.5					37	
89	23	e	19	16	30,7						
		F1	19	23	35,0						
90	23	eP	19	36	37,4						ditto
		iS	19	36	41,3						
		F1	19	38	33,8						
91	24	eP	5	12	32,8						ditto
		iS	5	12	36.8						
		F1	5	15	36,7						
92	24	e	5	18	32,2						

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SEISMOLOGICAL BULLETIN

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$\varphi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E h	m	s	Period s	Amplitude A_E μ	A_N μ	A_Z μ	△ km	Remarks
92	24.	e	5	18	32.2						
		F1	5	22	25.8						
93	24	eP	5	53	12.0						
		F1	5	56	21.0						
94	24	P	19	14	47.7					24.7	Near Ito.
		S	19	14	51.7						
		F	19	17	47.0						
95	25	e	6	00	55.3						
		F1	6	02	40.2						
96	26	eP	4	41	41.2						ditto
		iS	4	41	45.4					31	
		F1	4	44	32.6						
97	28	iP	18	28	54.7		E 8.0	S 4.0	D 10.9	25	distinct
		iS	18	28	58.6						
98	28	iP	18	31	1.7	0.5	E 56.2	S 24.7	D 53.0	25	Very distinct, felt moderately at Numadu, Near Ito
		iS	18	31	5.1						
		M_N	18	31	21.7	2.0		$\frac{+270}{-390}$			
		M_E	18	31	10.8		$\frac{+200}{-350}$				
99	28	P	18	32	42.6					26	
		S	18	32	46.1						
		F1	18	38	0.5						
100	28	eP	19	10	14.9					28	Near Ito,
		S	19	10	18.6						
		F1	19	12	±						
101	28	P	19	19	41.9					28	ditto
		S	19	19	45.5						
		F1	19	21	7.4						
102	28	P	19	58	51.1					31	ditto
		iS	19	58	55.3						
		F1	20	01	±						
103	28	P	21	10	33.9					24	ditto
		S	21	10	37.1						
		F1	21	14	±						
104	28	eP	22	59	32.8					27	ditto
		S	22	59	36.4						

NUMAZU JAPAN

March, 1930

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\varphi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
120	1, March	P	23h09m36.8	s	μ	μ	μ	km	Near Ito,
		S	23 09 39.7						
		F1	23 11 ±						
121	1 "	P	23 41 15.3						
		F1	23 42 52.3						
122	1 "	P	23 45 55.9						ditto
		S	23 46 00.0					30.5	
		F1	23 47 ±						
123	1 "	P	23 51 21.9					28.3	ditto
		S	23 51 25.7						
		F1	23 53 51.8						
124	1 "	P	23 56 33.0					29.7	ditto
		S	23 56 37.0						
125	1 "	P	23 59 15.3						ditto
		S	23 59 18.8						
126	1 "	P	2 42 45.8					105.	
		S	2 43 9.9						
		F1	2 47 54.8						
127	2 "	iP	12 26 55.4						distinct
		S	12 26 59.4						
		F1	12 31 ±						
128	2 "	P	13 36 14.1					34.	Near, Ito,
		S	13 36 18.7						
		F1	13 37 ±						
129	2 "	e	17 43 34.7						
		F1	17 45 58.6						
130	2 "	e	18 57 14.7						
		F1	18 00 55.3						ditto
131	3 "	P	3 04 7.7					24.5	
		S	3 04 11.0						
		F1	3 06 5.8						
132	3 "	P	14 51 14.8					25.3	ditto
		S	14 51 18.2						
		F1	14 54 16.4						

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of the Numazu Meteorological Observatory of Japan

$\varphi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6{,}0^{m}$

March. 1930.

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:	4.6	10.0	0.017	89
AE:	4.6	10.0	0.017	89
AZ:	3.5	3.1	0.016	53

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:	15.9	4.2	0.005	20
AE:	16.0	3.0	0.018	20

No.	Date	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
105	1. March	P	5 01 45.6					26.7	Near Ito.
		S	5 01 49.2						
		F	5 04 3.8						
106	1 "	P	21 10 24.9					31.3	ditto
		S	21 10 29.1						
		F	21 11 ±						
107	1 "	P	21 20 34.3						ditto
108	1 "	P	21 22 53.1					24.5	ditto
		S	21 22 56.4						
		F	21 24 ±						
109	1 "	P	21 28 37.6						
		S?	21 28 49.4						
110	1 "	P	21 33 48.8						ditto
		S	21 33 52.7						
		F	21 36 10.3						
111	1 "	P	21 37 21.0						
112	1 "	P	21 37 54.2						
		F	22 00 7.2						
113	1 "	E	22 10 2.9						
		F	22 12 1.1						ditto
114	1 "	P	22 17 37.7						
		S	22 17 41.2						
115	1 "	P	22 20 30.7					26.0	ditto
		S	22 20 34.2						
		F	22 21 33.7						
116	1 "	P	22 23 40.1					26.8	
		S	22 23 43.7						
		F1	22 25 6.2						
117	1 "	P	22 37 47.1						ditto
		S	22 37 50.7						
		F	22 41 38.6						
118	1 "	P	22 46 48.8						ditto
119	1 "	P	22 58 57.7						
		F1	23 00 I						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6{,}0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E h	m	s	Period s	Amplitude A_E μ	A_N μ	A_Z μ	△ km	Remarks
127	Mar. 2	iP	12	26	55,4					30	felt slightly.
		S	12	26	58.4						
		F	12	31	±						
128	Mar. 2	P	13	36	14.1					34	
		S	13	36	18.7						
		F	13	37	±						
129	"	e	17	43	34.7						
		F	17	45	58.6						
130	"	e	18	57	14.7						
		F	19	00	55.3						
131	" 3	P	3	04	7.7						
		S	3	04	11.0						
		F	3	06	5.8						
132	"	P	14	51	14.4					25	
		S	14	51	18.2						
		F	14	54	16.4						
133	"	P	21	11	1.6					31	
		S	21	11	5.7						
		F	21	12	±						
134	"	E	21	14	24.1					33	felt moderately.
		S	21	14	28.5						
		M_N	21	14	55.8	2.3		± 160			
		M_E	21	14	57.5		± 130				
		F	21	20	±						
135	"	P	21	26	14.3						
		S	21	26	14.2						
136	"	P	21	28	23.1						
		S?	21	28	27.4						
137	"	P?	21	29	57.2						
138	"	P	21	34	41.4						
139	"	P	21	45	0.0					25	
		S	21	45	3.4						
		F	21	46	19.5						
140	"	P	21	51	44.9						
		S	21	51	45.9						
		F	21	53	21.8						
141	"	P	21	55	12.8						
		F	21	57	51.3						
142	"	P	22	04	31.7						felt slightly.
		S	22	04	37						
		M_N	22	04	28.1	1.3		± 90			
		M_E	22	04	10.0		± 40				
		F	22	08	3.3						
143	"	P	22	55	13.5					33	
		S	22	55	19.9						
		F	22	59	0.5						
144	"	P	23	15	14.0					30	
		S	23	15	19.0						
		F	23	16	±						
145	"	P	0	29	43.9						

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SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\varphi = 35^{\circ}06'\,N$ $\lambda = 138^{\circ}51'\,E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E			Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
146	Mar. 4	P	2h	0m	35.1	s	μ	μ	μ	32km	
		S	2	06	39.4						
		Fi	2	09	12.1						
147	"	P	2	24	49.5					34	
		S	2	24	59.1						
		Fi	2	26	±						
148	"	P	3	50	37.3					33	felt moderately.
		S	3	50	42.1						
		MN	3	50	49.5			+26.5 −34.0			
		MS	3	50	48.0		± 24.				
		Fi	3	56	56.9						
149	"	P	5	11	28					31	
		iSz	5	11	8.0			+300			
		MN	5	11	17.4	1.8		−350			
		ME	5	11	17.4	1.8	+300 −430				
		MZ	5	11	9.3	1.8			+360 −240		
		Fi	5	18	23.8						
150	"	P	5	11	49.3					31	
		S	5	11	44.4						
		Fi	5	53	±						
151	"	P	23	02	44.1						
152	"	P	23	10	8.7					28	
		S	23	10	11.5						
		Fi	23	11	±						
153	"	P	23	17	14.0					29	
		S	23	17	22.9						
		Fi	23	19	38.2						
154	"	P	23	20	52.1					30	
		S	23	20	56.1						
155	"	P	23	22	45.2					31	
		S	23	22	49.4						
156	"	P	23	25	8.6					30	
157	"	P	23	29	32.0					25	
		S	23	29	35.3						
		Fi	23	31	18.1						
158	"	P	23	39	40.0						
159	"	P	23	40	58.6						
160		P	23	42	53.8					28	
		S	23	42	57.6						
		Fi	23	43	±						
161	"	P	23	45	54.8					28	
		S	23	45	58.6						
		Fi	23	47	27.9						
162	"	P	23	48	37.7						felt slightly.
	"	S	23	48	41.8						
	"	Fi	23	51	28.7						
113	"	P	23	54	21.9						
	"	P	23	54	52.7						felt slightly,
		Fi	23	55	55.8						
164	"	P	23	58	41.9						felt slightly.
		S	23	58	45.8						
		Fi	24	00	1.8						

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SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\varphi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
165	Mar. 4.	P	23h 58m 41.9	3.9	μ	μ	μ	29 km	
		S	23 58 45.8						
		F	24 00 1.8						
166	Mar. 5.	P	0 03 25.2						
167	"	P	0 05 38.2						
168	"	P	0 08 32.8					32	
		S	0 08 37.1						
		M_N	0 08 43.7	1.4		±106			
		M_E	0 08 46.3		±78				
		F	0 13 10.1						
169	"	P	0 28 54.3	-	-	-	-	-	
170	"	P	0 29 20.4	-	-	-	-	-	
171	"	P	0 30 44.3						
172	"	P	0 43 14.5						
		F	0 44 8.7	-					
173	"	P	0 51 57.9						
		S	0 52 1.2						
		F	0 53 ±						
174	"	P	1 09 28.5						
175	"	P	1 36 41.4						
		cS	1 36 45.2					28	
176	"	P	2 20 36.7					39	
		S	2 20 41.1						
		F	2 21 ±						
177	"	P	0 56 34.2						
178	"	P	1 00 03.4					31	
		S	1 00 07.5						
179	"	P	1 04 36.5						
	"	F	1 05 11.7						
180	"	P	1 06 06.9						
181	"	P	1 12 36.5						
		F	1 12 50.9						
182	"	P	1 13 22.4						
		F	1 14 07.9						
183	"	P	1 16 21.9						
184	"	P	1 17 15.9						
		S	1 17 19.5						
		F	1 19 29.9						
185	"	P	1 20 47.9						
		S	1 20 52.5						
186	"	P	1 21 56.1						
		S	1 22 00.4						
		F	1 23 31.9						
187	"	P	1 27 31.4						
		S	1 27 35.8						
		F	1 28 49.7						
188	"	P	1 34 42.8						
189	"	P	1 35 25.0						
		S	1 35 29.6						
		F	1 38 23.6						
190	"	P	1 40 06.0						

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SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\varphi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
191	Mar. 6	P	1 43 18.0						
		S	1 43 20.6						
		F	1 44 10.0						
192	"	P	1 51 45.4						
193	"	P	1 52 46.7					27	
		S	1 52 50.3						
		F	1 55 37.1						
194	"	P	2 22 41.6						
		S	2 22 46.3						
195	"	F	2 23 37.2						
		P	2 40 13.7						
196	"	P	2 51 40.0						
197	"	P	4 00 04.1						
		F	4 01 16.5						
198	"	P	7 46 52.5						
199	"	P	10 00 36.8					26	
		S	10 00 40.3						
		F	10 02 38.8						
200	"	P	11 48 36.8						
201	"	eP	12 33 34.2					601	
		eS	12 34 55.2						
		F	12 41 18.2						
202	"	P	23 40 30.9						
		F	23 41 45.6						
203	Mar. 7	P	0 18 05.2						
204	"	P	0 20 05.9						
205	"	P	0 27 14.2						
		F	0 28 34.8						
206	"	P	0 33 23.4						
		F	0 34 30.5						
207	"	P	0 51 42.3						
		S	0 51 46.0						
		F	0 53 41.1						
208	"	P	1 00 39.2						
		S	1 00 32.8						
209	"	P	1 01 39.4						
		F	1 03 16.5						
210	"	P	1 07 18.4					33	
		S	1 07 22.8						
		F	1 10 41.2						
211	"	P	1 17 37.0						
		F	1 18 27.0						
212	"	P	1 46 18.2						
		F	1 47 29.3						
213	"	P	1 49 13.8						
		F	1 50 28.5						
214	"	P	1 58 01.7						
215	"	P	2 01 50.7						
216	"	P	2 09 18.2						
		F	2 10 41.2						
217	"	P	2 18 50.7						
		F	2 18 41.5						

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SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E			Period	Amplitude			△	Remarks
			h	m	s	s	A_E	A_N	A_Z	km	
218	Mar. 7	P	13	43	49.3		μ	μ	μ		
		S	13	43	45.4						
		Fi	13	45	22.7						
219	Mar. 7	P	14	06	07.8						
		Fi	14	07	25.5						
220	"	P	14	53	51.9						
221	"	P	17	41	37.4						
		Fi	17	43	31.9						
222	"	P	19	55	32.8						
		Fi	19	58	36.0						
223	Mar. 8	P	5	45	36.5						
		S	5	45	40.6						
		Fi	5	48	39.3						
224	"	P	20	08	18.8						
225	"	P	20	11	20.2						
		S	20	11	24.2						
226	"	P	20	13	07.8						
		Fi	20	13	48.8						
227	"	P	20	23	48.2						
		Fi	20	24	41.3						
228	"	P	20	32	24.6						
229	"	P	20	35	24.4						
		S	20	35	28.4						
		Fi	20	37	05.9						
230	"	P	20	38	29.9						
		S	20	38	33.9						
		Fi	20	40	48.9						
231	"	P	20	51	54.1						
		S?	20	51	58.3						
232	"	iP	20	53	12.9					29	
		iS	20	53	16.8						
		Fi	20	53	21.5						
233	"	P	21	22	10.3						
234	"	iP	22	18	38.7					31	
		iS	22	18	42.9						
		Fi	22	20	11.6						
235	"	P	22	24	27.7					31	
		S	22	24	31.8						
		Fi	22	25	49.2						
236	"	P	22	46	43.2					26	
		S	22	46	46.7						
		Fi	22	48	12.7						
237	"	P	0	13	48.3						
238	"	P	0	42	59.5						
239	Mar. 9.	P	0	55	39.3						
		Fi	0	56	07.3						
240	"	P	1	27	24.7						
		S	1	27	28.9						
		M_N	1	27	32.7			±2.8			
		M_E	1	27	35.4		±8.0				
		Fi	1	30	24.4						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\varphi = 35^{\circ}06'\,N$ $\lambda = 138^{\circ}51'\,E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
241	Mar. 9	P	3 37 38.5					31	
		S	3 37 40.5						
		F1	3 39 12.5						
242	"	P	4 09 48.9						
		S	4 07 52.9						
		F1	4 10 0.0						
243	"	P	4 31 14.2					31	
		S	4 31 18.3						
244	"	P	4 33 46.2						
		F1	4 34 4.6						
245	"	P	4 37 05.8						
246	"	P	4 37 46.0		+ 7.2	- 3.0	- 5.5	32	felt moderately.
		S	4 37 44.3						
		M_N	4 39 49.4			±27.8			
		M_S	4 39 54.6		±42.3				
		F1	4 46 09.0						
247	"	P	5 55 52.3						
		F1	5 56 49.8						
248	"	P	7 00 33.8						
		F1	7 01 29.0						
249	"	P	7 23 45.1						
250	"	iP	7 50 32.0						
		iS	9 50 36.1						
		F1	9 52 23.0						
251	"	P	16 56 29.5						
		S	16 56 33.4						
		F1	16 56 50.6						
252	"	P	17 04 43.4						
		S	17 04 48.3						
		F1	17 18 12.6						
253	"	P	17 13 49.3						
		S	17 13 52.6						
		F1	17 15 ±						
254	"	P	17 36 50.7						
255	"	P	17 39 41.8					27	
		S	17 39 45.4						
256	"	P	17 46 43.7						
257	"	P	17 47 21.8						
258	"	P	17 50 55.8						
259	"	P	18 00 15.8						
260	"	P	18 13 19.2						
		S	18 13 22.9						
261	"	P	18 17 14.1						
262	"	P	18 18 27.9						
		S	18 18 31.9						
		F1	18 22 40.8						
263	"	P	18 42 29.6						
264	"	e	18 51 45.6						
265	"	P	18 56 28.3					28	
		S	18 56 32.0						
266	"	P	19 01 3X.3						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35°06'N$ $\lambda = 138°51'E$ $h = 6.0^m$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
267	Mar. 9	P	19 02 41.0					28	
		S	19 02 44.8						
268	"	P	19 06 54.5					30	
		S	19 06 58.6						
		F	19 08 ±						
269	"	S	19 18 41.6						
270	"	P	19 22 22.8						
271	"	iP	19 54 36.5		+160	-50	-104	30	felt moderately.
		S	19 54 40.6						
		M_Z	19 54 41.9				+240		
		F	20 02 29.3				-280		
272	"	P	20 14 09.3						
		F	20 18 30.4						
273	Mar. 10	P	5 23 05.9					30	
		S	5 23 09.4						
		F	5 27 43.9						
274	"	P	6 50 16.7						
275	"	P	6 48 37.1						
		F	6 49 51.7						
276	"	P	7 48 46.5						
		S	7 48 50.6						
		F	7 51 44.4						
277	"	P	8 47 50.3						
		S	8 47 54.5						
		F	8 49 12.0						
278	"	P	9 14 40.8						
		S	9 14 44.6						
		F	9 16 51.9						
279	"	P	9 20 05.1						
280	"	P	9 49 25.5						
281	"	P	9 50 01.7						
282	"	P	14 54 02.0						
		S	14 54 05.0						
283	"	P	14 56 41.8						
		F	14 58 23.1						
284	"	P	17 11 07.4					29	
	"	S	17 11 11.3						
		F	17 12 00.5						
285	"	P	22 10 54.4						
		F	22 12 54.4						
286	"	P	22 46 02.5						
		S	22 46 11.9						
		F	22 47 47.3						
287	"	P	23 16 29.5						
		F	23 17 33.8						
288		E	23 42 56.9						
289	"	P	23 57 54.7					32	
		S	23 57 59.0						
		F	23 59 31.7						
290	Mar. 11	P	0 44 22.7						
		S	0 44 26.5						
		F	0 47 49.5						

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SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
291	11. March	P	1h 00m 14.5s	s	μ	μ	μ	2km	
		S	1 00 23.4						
		Fi	1 01 49.5						
292	"	P	1 30 53.0						
		S	1 33 35.0						
		MiN	1 33 42.3		±78				
		MiE	1 33 36.5	+89 −116					
		MaN	1 34 12.2		+89 −75				
		MaE	1 34 1.9	±119					
		Fi	1 40 41.9						
293		P	2 01 31.4	-	-	-			
294		P	10 57 39.3						
		S	10 57 43.0						
		Fi	10 59 39.3						
295		P	11 22 31.1						
		Fi	11 23 56.8						
296		E	12 28 26.6						
		Fi	12 28 53.6						
297	"	E	13 37 54.2						
		Fi	13 39 21.2						
298	"	P	13 53 48.7						
		S	13 53 56.1						
		Fi	13 55 16.7						
299	"	E	14 35 20.3						
		Fi	14 36 34.8						
300	"	P	16 59 15.2						
		S	16 59 19.2						
		Fi	17 02 ±						
301	"	P	18 49 29.4						
		S	18 49 32.6						
		Fi	18 52 ±						
302	"	P	22 42 18.8						
		Fi	22 43 55.4						
304	"	P	23 52 42.4						
		Fi	23 54 ±						
303	"	E	23 57 58.5						
		Fi	23 22 ±						
305	12 March	E	1 41 30.5						
		Fi	1 46 59.0						
306	"	E	4 53 34.3						
		Fi	4 59 54.8						
307	"	P	8 50 6.7						
		Fi	8 53 0.4						
308	"	P	10 47 7.7						
		S	10 47 12.0						
		Fi	10 49 0.9						
309	"	4P	12 46 23.2						
		eS	12 46 27.9						
		MN	12 46 31.5			±9.0			
		MS	12 46 28.0	±40.0 −12.0					
		Fi	12 52 ±						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\varphi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E h	m	s	Period s	Amplitude A_E μ	A_N μ	A_Z μ	△ km	Remarks
310	12. March	eP	13	16	48.8					31.	
		S	13	16	52.9						
		Fi	13	18	31.2						
311	"	P	19	14	10.2						
		S	19	14	13.6					25	
		Fi	19	16	1.8						
312	"	P	19	43	12.5						
		eS	19	43	18.0						
		Fi	19	45	1.8						
313	"	P	19	54	3.6						
		Fi	19	55	4.3						
314	"	e	20	00	35.8						
		Fi	20	03	1.8						
315	"	P	20	04	32.5						
		S	20	09	36.4						
		Fi	20	11	1.8						
316	"	P	20	22	5.0						
		eS	20	22	8.5	W 33	V 11				felt moderately
		Fi	20	25	1.9						
317	"	P	21	09	26.5						
		Fi	21	10	32.0					31	
318	"	P	21	14	36.3						
		S	21	14	40.4						
		Fi		2							
319	"	P	21	17	36.0						
		Fi	21	20	2.0						
320	"	P	21	29	41.7					32	
		S	21	29	46.0						
		Fi	21	32	2.0						
321	"	P	21	39	2.0						
		S	21	39	6.0						
		Fi	21	41	32.0						
322	"	e	21	45	35.3						
		Fi	21	47	2.0						
323	"	P	21	41	20.7						
		S	21	47	23.6						
		M_N	21	47	29.7	1.3		+ 5		1	
		M_E	21	47	30.6	1.3	+ 45 − 52	− 67			
		Fi	21	51	2.1						
324	"	e	22	31	9.0						
		Fi	22	34	2.1						
325	"	P	22	37	26.6						
		Fi	22	38	32.1						
326	"	P	22	43	27.6					29.	
		S	22	43	51.5						
		Fi	22	47	2.1						
327	"	e	23	02	7.5						
		Fi	23	04	2.1						
328	"	P	23	26	16.8					31	
		S	23	26	20.1						
		Fi		2							

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'\,N$ $\lambda = 138^{\circ}51'\,E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
329	12. Mar.	e	23 27 2.2						
		Fi	23 30 2.2						
330	"	e	23 35 27.2						
		Fi	23 37 0.0						
331	"	e	23 44 25.8						
		s	23 44 31.2						
		Fi	23 46 2.2						
332	"	e	23 47 48.8						
		Fi	23 49 2.2						
333	"	P	23 54 30.7					37	
		S	23 54 35.2						
		Fi	23 57 2.2						
334	"	P	0 01 37.5						
		Fi	0 03 2.2						
335	13. Mar.	P	0 17 13.3						
		Fi	0 18 32.3						
336	"	P	0 20 46.3						
		Fi	0 22 2.3						
337	"	e	0 29 27.0						
		Fi	0 31 2.3						
338	"	e	0 34 43.9						
		Fi	0 36 2.3						
339	"	P	0 41 32.6					32	
		S	0 41 34.9						
		Fi	0 44 2.3						
340	"	e	0 44 40.9						
341		e	0 55 10.3						
		Fi	0 56 32.3						
342	"	e	1 02 42.7						
		Fi	1 04 2.3						
343	"	P	1 05 31.3						
		Fi	1 07 2.3						
344	"	P	1 09 43.3						
		Fi	1 11 2.3						
345	"	P	1 12 31.3						
		Fi	1 14 2.3						
346	"	P	1 30 42.3						
		S	1 30 46.4						
		Fi	1 33 2.3						
347	"	P	1 43 15.7						
		Fi	1 44 32.3						
348	"	P	1 53 56.4						
		Fi	1 55 2.4						
349	"	P	2 01 7.5						
		S	2 01 13.2						
		Fi	2 03 5.4						
350	"	e	2 07 38.1						
		Fi	2 11 2.4						
351	"	P	2 34 51.4						
		Fi	2 37 2.4						
352	"	e	2 52 2.4						
		Fi	2 55 32.4						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'\,N$ $\lambda = 138^{\circ}51'\,E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
				s	μ	μ	μ	km	
353	13, Mar.	S	3 02 23.7						
		Fi	3 05 2.4						
354	"	P	3 19 26.7		E 10	S 45			
		S	3 19 30.5						
		M_N	3 19 37.4			±42			
		M_S	3 19 37.4		±37				
		Fi	3 24 2.4						
355	"	P	3 26 7.6						
		Fi	3 27 2.4						
356	"	P	4 12 29.5						
		Fi	4 14 2.5						
357	"	P	4 29 34.4		E 56	S 23		28	
		S	4 29 38.2			S 35			
		M_N	4 30 10.4						
		M_S	4 30 12.6		W 32.5				
		Fi	4 36 2.6						
358	"	e	4 42 21.4						
		Fi	4 43 32.6						
359	"	e	4 47 2.6						
		Fi	4 49 2.6						
360	"	P	6 33 17.3						
		S	6 33 21.6						
361	"	P	7 32 43.9						
		Fi	9 33 32.8						
362	"	P	19 10 25.5		W 100	N 22			
		S	19 10 28.6						
		Fi	19 12 4.6						
363	14, Mar.	eP	3 17 12.4				28		
		S	3 17 14.2						
		Fi	3 19 5.4						
364	"	P	11 27 9.6						
		eS	11 27 14.0						
		Fi	11 28 6.1						
365	"	eP	11 55 29.7					33	
		eS	11 55 34.2						
		Fi	11 57 0.0						
366	"	P	14 16 26.0						
		S	14 16 30.0		W 50	N 72			
		ME	14 16 38.4		E 61 N 45				
		Fi	?						
367	"	P	14 19 27.0		E 50	S 13	D 57		
		S	14 19 32.9						
		M_N	14 19 47.1			+154			
		M_S	14 19 42.8		+195 −133	−157			
		Fi	14 25 6.7						
368	"	P	15 21 24.8						
		Fi	15 24 35.9						
369	"	P	15 43 26.1						
		Fi	15 46 25.3						
370	"	eP	16 48 28.2						
		S	16 48 32.2						
		Fi	16 51 22.7						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
370	14. Mar.	iP	16 47 28.2						
		S	16 48 32.2		V 58	N 2 1			
		F	16 51 22.7						
371	14. Mar.	e	17 13 36.5						
		F	17 16 19.1						
372	"	eP	20 17 20.8						
373	"	P	20 18 1.9						
		F	20 19 23.2						
374	"	P	20 42 50.0						
		F	20 44 25.7						
375	"	P	21 05 2.0					29	
		S	21 05 9.7						
		F1	21 09 58.1						
376	"	P	22 18 12.8					35	
		S	22 18 18.5						
		F1	22 21 54.2						
377	"	iP	18 33 49.8						E: felt heavy shock
		iS	18 33 54.0						
		MN	18 33 59.1			V 217			
		ME	18 34 3.9		E 240	S 159			
		F1	18 39 52.4		V 217				
378	"	P	18 56 40.8						
		F	18 57 37.5						
379	"	P	22 57 5.4						
		F	22 59 40.5						
380	"	iP	1 08 22.5					29	
		S	1 08 31.4						
		F1	1 11 38.7						
381	16. Mar.	P	11 29 30.9						
382	"	P	11 30 29.8					32	
		S	11 30 34.1						
		F1	11 33 1.6						
383	"	P	11 39 50.1						
		F1	11 40 56.1						
384	17. Mar.	eP	1 23 0.9					24	
		S	1 23 4.1						
		F1	1 24 59.5						
385	"	eP	1 31 5.0					21	
		iS	1 31 53.5						
		F1	1 33 48.1						
386	"	eP	1 39 31.8						
		iS	1 39 31.5						
		F1	1 40 54.0						
387	"	P	1 44 5.8						
388	"	P	1 45 24.2						
		F	1 46 10.6						
389	"	P	1 49 13.7						
390	"	P	1 50 47.1					31	
		S	1 50 51.3						
		F1	1 51 56.0						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'\,N$ $\lambda = 138^{\circ}51'\,E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
391	11, Mar.	P	1 59 28.7						
		F	1 56 24.2						
392	"	eP	1 58 14.3					33	
		S	1 58 18.7						
393	"	e	1 59 35.1						
394	"	P	2 01 2.7						
		F	2 02 3.6						
395	"	eP	1 03 29.5						
396	"	eP	2 03 57.7					31	
		iS	2 04 1.8						
		F	2 05 9.3						
397	"	P	2 09 29.8					34	
		S	2 09 34.4						
		F	2 13 10.6						
398	"	iP	2 55 46.6						
		S	2 55 50.6						
		F	2 56 51.0						
399	"	P	3 04 33.9					27	
		S	3 04 37.5						
		F	3 05 40.9						
400	"	e	3 22 34.6						
401	"	P	19 07 26.9					34	
		S	19 07 31.5						
		F	19 11 10.3						
402	"	P	19 27 37.3						
		F	19 28 52.4						
403	"	eP	2 11 32.5					33	felt moderate
		S	2 11 36.9						
		F	2 16 9.8						
404	18, Mar.	P	2 34 1.3						
		F	2 35 56.8						
405	"	P	2 41 38.3						
		F	2 42 53.4						
406	"	iP	2 46 39.3					34	
		S	2 46 43.9						
		F	2 50 1.3						
407	"	P	7 50 39.1					35	
		S	7 50 43.8						
		F	7 52 3.1.9						
408	"	P	22 54 56.4					31	
		S	22 55 0.5						
409	19, Mar.	P	7 29 15.1					28	
		S	7 29 18.8						
		F	7 31 24.2						
410	"	P	7 34 42.2					36	
		S	7 34 47.0						
		F	7 36 24.2						
411	"	P	7 44 54.2					67	
		S	7 45 3.2						
		F	7 46 54.2						
412	"	e	7 48 34.2						
		F	7 49 57.3						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\varphi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
413	19. Mar.	P	7 45 8.7					34	
		S	7 45 13.3						
		F_1	7 53 14.4						
414	19 "	e	7 54 17.5						
415		P	7 55 30.4						
416	"	e	7 56 31.4						
417		P	8 00 56.9					29	
		S	8 01 0.8						
		F_1	8 03 24.4						
418	"	P	8 07 31.8						
		iS	8 07 36.3		-12	+10.			
		F_1	8 09 24.4						
419	"	P	8 27 10.0						
		iS	8 27 14.1		-22.7	+12.2			
		F_1	8 29 45.4						
420	"	P	8 38 59.4						
421	"	P	8 49 23.2						
		S	8 49 28.1		-22.2	+11.6			
		F_1	8 51 53.4					36	
422	"	iP	10 16 45.2		E 445	S166	D 17.0	33	
		iS	10 16 49.8	1.3					
		F_{1N}	10 16 56.3			N266			
		F_{1E}	10 16 59.9		+166	S250			
		M_2	10 16 54.5		-216		D 55.5 U 77.9		
		F_1	10 22 21.5						
423	20. Mar.	P	2 12 52.1					34	
		S	2 12 56.7						
		F_1							
424	20. Mar.	P	2 15 11.8						
		S	2 15 11.2						
		F_1	2 16 51.8						
425	20. Mar.	P	2 17 22.8						
		F_1	2 37 3.8						
426	20. Mar.	P	2 41 6.8					27	
		S	2 41 10.4						
		I.	2 41 13.4						
427	20. Mar.	P	10 04 27.1					31	
		S	10 04 33.2						
		F_{1N}	10 04 37.1						
		F_1	10 07 43.7						
428	20 "	P	10 10 9.3					33	
		S	10 10 13.7						
		F_1	10 10 31.6						
429	"	P	10 22 31.3						
		S	10 22 35.4						
		F_1	10 24 17.9						
430	"	P	10 30 4.4					28	
		S	10 30 5.2						
		F_1	10 31 34.4						
431	"	P	11 03 41.5						
		S	11 03 44.1						
		F_1	11 05 27.0						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\varphi = 35°06'N$ $\lambda = 138°51'E$ $h = 6.0^m$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
432	20. Mar	P	16h 48m 50s1	s	μ	μ	μ	3km	
		iPz	16 48 49.3						
		iS	16 48 55.1		W32.3	N12.1			
		iSz	16 48 54.2						
		F1	16 51 27.6						
433	20,	P	22 21 0.3					34	
		iS	22 21 4.9						
		F1	22 23 28.3						
434	20.	P	5 33 54.3					34	
		iS	5 33 58.9						
		F1	5 35 30.0						
435	21	e	8 16 22.2						
		F1	8 16 31.4						
436	21	P	8 39 7.0					28	
		iPz	8 39 7.0						
		iS	8 39 10.7						
		iSz	8 39 11.8		-116	+13.2	34.0		
		MN	8 39 16.3		-69.0	+67.0			
		ME1	8 39 21.5		83.5				
		ME2	8 39 27.5		+72.1				
		Mz	8 39 29.5		-81.1		+67.5		
		F1	8 43 22.5				-37		
437	21 ,,	e	19 10 31.0						
		F1	19 15 31.8						
438	21 ,,	e	20 54 20.3						
		F1	20 57 21.9						
439	21 ,,	P	22 47 35.9					34	
		iPz	22 47 35.8						
		iS	22 47 41.4		W31.7	N2.2			
		F1	22 50 32.3						
440	21 ,,	iP	23 24 11.8		E16.0	S25.5			felt severe.
		iPz	23 24 10.8						
		iS	23 24 11.5						
		iSz	23 24 15.5			N21			
		MN1	23 24 21.1						
		MN2	23 24 29.1		S233				
		ME1	23 24 25.9		+200				
		ME2	23 25 18.3		-144				
		Mz	23 24 16.3		+211		+115		
		F1	23 31 32.3		-228		-132		
441	21 ,,	P	23 34 47.1						
		iS	23 34 51.4		-23.4	+14.4			
		F1	23 37 32.3						
442	22 ,,	e	15 57 1.0						
443	,,	e	15 58 5.5						
		F1	15 58 58.5						
444	22 ,,	P	16 08 07.0						
		S	16 08 11.3						
		F1	16 09 7.5						
445	22 ,,	S	16 10 55.1						
		F1	16 11 34.5						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{c}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
446	22. Mar	S	16 10 55.1						
		F	16 11 34.5						
447	"	iS	16 13 10.5						
		F	16 14 34.5						
448	"	i	16 21 29.5						
		F	16 23 34.5						
449	"	iP	17 02 17.9						
		iS	17 02 21.7		- 50.0	516.6			
		iP_z	17 02 17.8						
450	"	P	17 03 22.6					30	
		P_z	17 03 25.2						
		M_N	17 03 38.6			+853			
		M_E	17 03 37.7		+1100 -700	+972			
		F	17 07 22.6						
451	"	iS	17 25 24.3						
		F	17 26 34.6						
452	"	e	17 29 27.1						
		F	17 30 34.6						
453	"	iS	17 31 47.8						
		F	17 32 34.6						
454	"	iS	17 42 45.0						
		F	17 44 34.6						
		iS	17 45 51.0						
		F	17 46 34.6						
456	"	iP	17 50 40.1						over quake
		iS	17 50 45.1			4570			
		M'_{NE}	17 50 52.6						
		M''_{NE}	17 50 55.1		+4560 -1430				
		M'_{NE}	17 51 13.9						
		M'_{SE}	17 50 31.3		+2550 -2290	+2850 -2570			
		M''_{SE}	17 51 45.1		+1720 -2000				
		M'_Z	17 50 45.0				+1520 -1750		
		M''_Z	17 52 56.4				+1250 -1100		
		F	18 01 34.6						
457	"	P	18 39 1.7						
		S	18 39 11.5						
		F	18 40 34.7						
458	"	e	19 09 13.3						
	"	F	19 10 34.8						
459	"	P	19 32 6.4						
		F	19 33 34.8						
460	"	e	19 40 23.4						
		"	19 41 34.8						
461	"	e	20 25 34.4						
		F	20 26 34.4						
462	"	P	21 08 47.6						
		S	21 08 51.5						
		F	21 10 35.0						
463	23, Mar	e	0 24 53.4						
	"	F	0 27 35.2						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'\,N$ $\lambda = 138^{\circ}51'\,E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_o	ε	$\frac{r}{T_o^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_o	ε	$\frac{r}{T_o^2}$	V
AN:				
AE:				

No.	Date	Phase.	Time. 135°E			Period	Amplitude			△	Remarks
			h	m	s	s	A_E	A_N	A_Z	km	
464	23. Mar.	P	3	02	0.9		μ	μ	μ	25	
		S	3	02	4.2						
		F1	3	04	35.4						
465	,,	P	3	46	23.9						
		S	3	46	28.1						
		F1	3	48	34.1						
466	23.	e	4	39	34.6						
		F1	4	40	34.6						
467	,,	P	10	29	38.0					27	
		S	10	29	41.6						
		F1	10	31	36.0						
468	,,	P	11	37	48.7					31	
		S	11	37	53.1						
		F1	11	39	36.2						
469	,,	e	11	53	15.5						
		F1	11	54	36.4						
470	,,	e	11	57	0.1						
		F1	11	58	36.4						
471	,,	P	12	00	25.4						
		F1	12	01	36.4						
472	,,	P	12	02	28.2						
		S	12	02	31.3						
		F1	-	-	-						
473	,,	P	12	05	0.1					30	
		S	12	05	4.1						
		F1	12	07	34.4						
474	,,	e	12	08	27.4						
		F1	12	08	36.4						
475	,,	e	12	20	33.4						
		F1	12	22	36.4						
476	,,	P	12	57	43.2					31	
		S	12	59	47.4						
		F1	13	02	36.6						
477	,,	P	13	08	20.6					30	
		S	13	08	24.6						
		F1	13	10	36.6						
478	,,	P	13	21	59.1						
		F1	13	22	36.6						
479		P	14	56	21.2					32	
		S	14	56	25.5						
		F1	14	59	38.7						
480	24. Mar.	e	3	20	3.7						
481		F1	3	21	34.5						
		e	3	31	29.5						
		F1	3	37	39.4						
482	,,	e	5	43	14.6						
		F1	5	44	39.6						
483	,,	e	5	46	19.2						
		F1	5	47	39.6						
484	,,	e	5	47	54.0						
		F1	5	49	39.6						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date	Phase.	Time. 135°E			Period	Amplitude			△	Remarks
			h	m	s	s	A_E	A_N	A_Z	km	
485	24. Mar	e	6	02	15.3		μ	μ	μ		
		Fi	6	03	39.7						
486	"	e	7	13	55.2						
		Fi	7	15	39.8						
487	"	e	7	17	52.8						
	"	Fi	7	19	39.8						
488	"	e	7	20	26.8						
		Fi	7	20	39.8						
489	"	P	7	27	41.9						
		Fi	7	29	39.8						
490	"	e	11	03	30.0						
		Fi	11	04	40.1						
491	"	e	12	13	17.1						
		Fi	12	15	40.1						
492	"	P	12	20	3.9						
		S	12	20	7.4						
		Fi	12	22	40.1						
493	"	P	12	45	20.2						
		S	12	45	24.6						
		Fi	12	47	40.2						
494	"	e	13	13	5.2						
		Fi	13	14	40.2						
495	"	eP	13	20	31.3						
		S	13	20	35.3						
		Fi	13	-	-						
496	"	P	13	22	2.7					29	
		S	13	22	6.6						
		Fi	13	24	40.3						
497	"	P	14	07	57.4						
		Fi	14	09	40.4						
498	"	e	14	41	59.4						
		Fi	14	44	40.4						
499	"	P	15	02	21.6						
		S	15	02	25.0						
		iN	15	02	37.8						
		Fi	15	06	40.5						
500	"	P	15	13	15.2						
		Fi	15	14	40.4						
501	"	P	15	26	59.7					31	
		iS	15	27	4.1						
		Fi	15	28	40.4						
502	"	P	15	30	34.4						
		iS	15	30	38.3						
		Fi	15	32	40.4						
503	"	P	15	36	37.4						
		Fi	15	37	40.4						
504	"	P	15	44	15.0						
		iS	15	49	17.3		N 11.2	S 27.2			
		Fi	15	52	40.5						
505	"	P	15	55	38.1						
		Fi	15	57	40.6						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\phi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E			Period	Amplitude			△	Remarks
							A_E	A_N	A_Z		
			h	m	s	s	μ	μ	μ	km	
506	24. Mar	P	17	07	17.7						
		F	17	09	40.6						
507	"	iS	17	12	34.8						
508	25"	P	7	58	55.6						
		iS	7	59	0.3						
		F	8	01	41.0						
509	"	e	21	08	23.7						
		F	21	09	38.7						
510		eP	21	11	8.5						
		eS	21	11	12.0						
		F	21	13	44.1						
511	"	iS	21	20	5.7						
		F	21	21	5.7						
512	"	S	21	23	53.2						
		F	21	24	58.1						
513	"	P_H	22	10	50.2					25	
		iS	22	10	53.5		W 16.6	S 27.7			
		M_N	22	10	59.9						
		M_E	22	10	59.4		± 27.8	± 27.8			
		iP_Z	22	10	49.1				D 5.5		
		F	22	12	49.1						
514	"	e	22	15	20.4						
		F	22	17	0.4						
515	"	e	22	21	5.8						
516	"	P	22	21	54.0						
517	"	eP	22	40	01.2						
		iS	22	40	10.4		E 16.6	N 8.9			
		M_N	22	40	12.6						
		M_E	22	40	22.7						
		F	-	-	-						
518	"	P	22	41	41					25	
		S	22	46	7.4						
		F	22	43	17.2						
519	"	iS	22	53	10.9						
		F	22	54	44.2						
520	"	P	23	11	11.5						
		S	23	11	15.8						
		F	23	12	44.2						
521	"	iS	23	20	7.7						
		F	23	21	±						
522	"	P	23	25	4.8						
		S	23	25	8.6						
		M_N	23	25	13.8						
		M_Z	23	25	15.8						
		iP_Z	23	25	5.3						
		F	23	26	44.8						
523	26. Mar	e	0	00	1.8						
		F	0	01	15.8						
524	"	S	1	13	6.4						
		F	1	13	50.4						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{c}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_o	ε	$\frac{r}{T_o^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_o	ε	$\frac{r}{T_o^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
525	26. IIM	P	2h 0m 39s4	s	μ	μ	μ	3km	
		iS	2 01 43.6						
		iPz	2 01 39.0				D 5.5		
526	"	Fi	2 04 44.4						
		P	3 15 15.8						
		iS	3 15 19.6			+18.4			
		MN	3 15 25.7			-33.3			
		ME	3 15 25.1		±16.7	+22.2 -27.8			
		iPz	3 15 14.6				+12.7		
		iS	3 15 20.6						
		Fi	3 17 35.8						
527	"	eP	3 24 1.0					31	
		iS	3 29 5.2						
		Fi	3 31 44.2						
528	"	e	4 40 20.0						
		Fi	4 41 44.6						
529	"	e	4 49 46.4						
		Fi	4 51 44.6						
530	"	P	4 59 18.9					32	
		S	4 59 23.0						
		Fi	5 00 44.6						
531	"	e	14 05 54.2						
	"	Fi	14 07 ±						
532	"	e	14 17 56.8						
		Fi	14 19 6.8						
533	"	iP	14 22 44.5					36	
		iPz	14 22 51.3						
		MNE	14 23 2.9			±1250			
		MSE	14 22 59.1		±700				
		Mz	14 23 8.4				D 50.2 Up 1.89		
		Fi	14 35 40.5						
534	"	P	15 16 57.9					33	
		S	15 17 14.3						
		Fi	15 17 13.1						
535	"	P	15 34 27.3					34	
		iS	15 34 33.9						
		Fi	15 36 9.9						
536	"	P	15 38 4.4					36	
		iS	15 38 9.2						
		Fi	15 40 13.5						
537	"	S	16 11 17						
538	"	P	16 20 17.6						
		S	16 26 56.8						
		L	16 33 53.2						
		Fi	17 07 45.6						
539	"	P	19 48 37.7						
		S	19 48 43.8						
		Fi	19 51 28.9						
540	"	e	20 59 31.6						
541	"	P	21 00 17.6						
		iS	21 00 22.4						
		Fi	21 02 04.0						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\phi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
542	26.	S	21h 43 6.8						
543	"	S	21 05 27.4						
544	27"	P	0 46 24.9						
		S	0 46 28.9						
		F	0 49 37						
545	27.	iPH	1 41 36.0						
		iS	1 41 40.0			± 1000			
		MNE	1 41 40.5						
		ME	1 41 36.3		± 1500 1000				
		MU	1 41 40.5				409		
		MD	1 34 55.5				409		
		iPZ	1 41 34.5						
546	27 "	FI	1 52 46.5						
		P	3 30 39.9					31	
		S	3 30 44.0						
		F	3 33 1.7						
547	27 "	E	11 28 56.8						
		F	11 09 38.0						
548	28 "	iS	10 01 25.1						
		P?	10 01 34.6						
		F	10 02 28.1						
549	29 "	P	2 34 15.6						
		FI	2 35 52.6						
550	29 "	P	2 48 20.1				D 7.2		
		S	2 48 24.3						
		MN	2 48 27.4						
		iPZ	2 48 19.0						
		F	2 51 21.4						
551	29 "	P	2 55 2.5		E ?	S 5.6	D 14.1		fast strongly
		iS	2 55 7.1						
		MZ	2 55 12.2			± 44.5 58.8			
		iPZ	2 55 2.6						
		F	2 57 55.4						
552	29 "	P	3 11 36.4		E 31.1	S 11.1	D 21.0		
		iPZ	3 11 37.4						
		S	3 11 40.4						
		MN	3 11 55.4			± 144			
		ME	3 11 49.4		± 122	145	± 73.0		
		MZ	3 11 45.4						
		F	?						
553	29 "	P	3 14 47.5				D 14.6	25	
		iPZ	3 14 47.4						
		MN	3 14 55.4			± 55.5			
		ME	3 14 55.4		± 33.3				
		F	3 17 47.4						
554	29 "	P	4 04 25.5						fast slightly
		iPZ	4 04 23.0						
		MN	4 04 33.7	1.7		+ 98.0			
		ME	4 04 35.0	1.7	+ 34.0	− 74.5			
		MZ	4 04 29.5	1.7	− 55.5		± 72.2		
		F	4 17 16.5						

NUMAZU JAPAN

SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E	Period	Amplitude A_E	Amplitude A_N	Amplitude A_Z	△	Remarks
			h m s	s	μ	μ	μ	km	
557	29. Mar	P	22 37 28.7					3	
		S	22 37 32.8						
		Fi	22 39 8.7						
558	29 "	S	22 39 25.5					28	
		P	22 39 21.7						
		Fi	22 40 28.7						
559		iS	22 42 6.9						
		Fi	22 43 12.9						
560		iS	22 49 43.5					29	
		P	22 49 44.6						
		Fi	22 50 44.6						
561	"	e	22 54 5.4						
		Fi	22 55 53.4						
562	"	e	22 59 13.4						
		Fi	23 00 13.4						
563	"	e	23 05 38.6						
		Fi	23 06 38.6						
564	"	S	23 22 10.2						
		Fi	23 23 8.2						
565	"	S	23 33 34.1						
		Fi	23 34 11.1						
566		iS	23 57 27.1		E 39	S 11	D 29		
567	30. Mar	iP	0 06 22.9						
		S	0 06 26.9						
		M_N	0 06 32.8			± 170 215			
		M_E	0 06 37.2						
		M_Z	0 06 29.1		+		+5.6 −6.1		
		Fi	0 11 44.6						
568	"	iS	0 12 13.7						
		P	0 12 10.2						
		Fi	0 12 53.2						
569	"	S	0 27 44.7						
		Fi	0 28 44.7						
570	"	P	0 36 18.0					29	
		S	0 36 21.9						
		Fi	0 37 33.0						
571	"	e	0 47 45.0						
		Fi	0 48 50.0						
572	"	P	2 03 24.9					29	
		S	2 03 28.8						
		Fi	2 04 39.9						felt slightly
573	"	P_H	5 40 9.2						
		iP_Z	5 40 8.2			± 40			
		M_N	5 40 36.8						
		M_E	5 40 19.8		± 33				
		FL	5 43 47.8						
574	"	P	5 45 9.2					34	
		iS	5 45 13.8						
		Fi	5 46 45.2						
575	"	S	6 05 2.2					31	
		iP	6 04 58.1						
		Fi	6 05 58.1						

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SEISMOLOGICAL BULLETIN

of the Numazu Meteorological Observatory of Japan

$\psi = 35^{\circ}06'N$ $\lambda = 138^{\circ}51'E$ $h = 6.0^{m}$

Wiechert Seismograph.
(Horizontal and Vertical)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				
AZ:				

Omori's Seismograph.
(Horizontal Pendulum)

	T_0	ε	$\frac{r}{T_0^2}$	V
AN:				
AE:				

No.	Date.	Phase.	Time. 135°E h	m	s	Period s	Amplitude A_E μ	A_N μ	A_Z μ	△ km	Remarks
576	30, Mar	e?	14	08	58.8						
		F	14	10	36.8						
577	"	iS	14	18	29.4						
		P	14	18	33.3						
578	"	P	17	28	29.3					31	
		S	17	28	33.5						
		F1	17	28	54.9						
579	31, Mar	P	9	38	35.8						
		iS	9	38	39.6						
		F1	9	39	59.8						
580	"	P	4	49	15.6						
		F1	4	50	15.6						
581	"	P	9	59	42.2					29	
		S	9	59	51.1						
		M_N	10	00	8.9			± 150 ~ 420			
		M_E	10	00	3.5		± 600 ~ 470				
		F1	10	03							
582	"	e	10	56	43.0					26	
		S	10	56	46.5						
		F1	10	57	43.0						
583	"	e	11	13	55.0						
		F1	11	15	42.0						
584	"	eP	16	37	26.4					31	
		eS	16	39	20.6						
		F1	16	50	0.6						
585	"	P	16	40	4.4						
		F1	16	41	0.6						
586	"	P	16	44	13.4						
		F1	16	45	6.6						
587	"	P	19	05	34.7					31	
		S	19	05	35.9						
		F1	19	07	0.6						
										31	
588	"	P	19	20	49.8						
		F1	19	22	0.6						

(The end)