

**SEISMOLOGICAL BULLETIN**  
**OF**  
**THE NAGOYA BRANCH OBSERVATORY**  
**OF**  
**THE CENTRAL METEOROLOGICAL OBSERVATORY**  
**NAGOYA JAPAN**

**VOL. IX.**

**1938**

**NAGOYA**  

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**March 1939**



## CONSTANTS

Latitude and longitude of the center of the Seismographic room

$$\lambda = 35^{\circ}10' \text{ N}$$

$$\varphi = 136^{\circ}58' \text{ E from Greenwich}$$

Altitude, 51.7<sup>m</sup> above mean sea level.

Lithologic foundation, Schottered clay (Tertiary)

Time. 135°E mean civil time.

### Constants of the Seismographs

Apparatus	Component	T <sup>o</sup>	ξ	r T <sup>2</sup>	V	
Wiechert 200kg	I {	N	5.0	5	0.01	117
		E	5.6	6	0.02	103
	II {	N	5.1	7	0.02	113
		E	5.4	7	0.01	111
" 80kg	Z	3.7	12	0.01	80	
Omori	}	N	20.0	4	0.04	20
		E	20.0	3	0.02	20

Note. I, Jan 1 to May. 31

II, Jun. 1 to Dec. 31



## Symbols and Notations

### I. Phases of the Seismogram.

P = First preliminary tremors. (Longitudinal)

$\bar{P}$  = Individual or upperfirst preliminary tremors.

S = Second preliminary tremors. (Transverse)

L = Long waves at the beginning of the surface phase.

M = Greatest motion in the surface phase.

F = End of discernible movements.

### II. Nature of the motion.

i = Sudden beginning of the motion.

e = Gradual beginning of the motion.

### III. Remarks.

Covered = Covered by following shock.

Is = Island. Pref. = Prefecture.





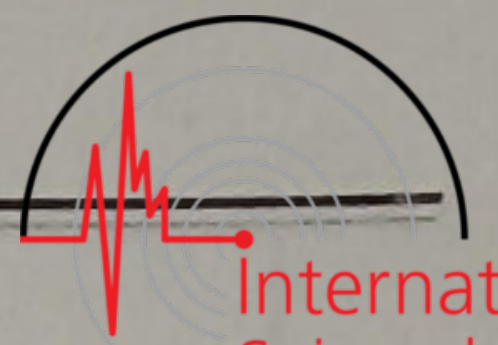
No.	Date	Phase	Time 135°E M. C T	Period	Amplitude			△ Epicentre- distance	Remarks
					A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>		
			h m s	s	μ	μ	μ	km.	
1	Jan. 1	e	16 35 32.1 16 40 32—						Sea off Titizima Is.
2	" 2	P S F	8 30 36.0 8 33 56.1 8 58 47—					1971	SW. sea far off Titizima Is.
3	" 2	P S MN ME Mz F	16 54 35.6 16 55 20.5 16 55 32.8 16 55 42.8 16 55 49.3 17 04 29—	2.3 2.2 1.3	+47	+54	±14	334	∠133.4°E, ∠34.9°N. W part of Okayama pref. The shock felt in the greater part of Tyugoku and a part of Kinki, Sikoku districts.
4	" 8	P S F	1 16 34.0 1 17 04.5 1 20 00—					227	In the Kii Straits.
5	" 8	P S MN ME F	14 52 05.5 14 52 54.7 14 52 56.5 14 52 58.5 14 56 12—	1.2 1.3	±5	+5		366	∠132.1°E, ∠33.7°N. In the Iyo bay.
6	" 9	P S F	17 04 39.2 17 06 03.4 17 09 43—						Near Wakayama city
7	" 10	P S F	0 35 05.0 0 35 38.9 0 39 17—					252	Near Matudo in Tiba pref.
8	"	eP S F	4 39 21.4 4 39 41.9 4 42 05—					152	N. part of Gihu pref.
9	" 11	P S ME MN F	5 56 13.0 5 58 35.3 5 58 44.8 6 00 02.8 6 07 12—	2.7 2.6	±15	-17		1340	∠131.2°E, ∠29.8°N. SE. sea off Yakuzima Is
10	" 12	iP S MN F	0 12 34.1 0 13 03.7 0 13 10.0 0 36 17—	3.3	+38.8	+42.8	+17.2	219	∠135.2°E, ∠33.7°N. Sea off the bay of Tanabe in Wakayama pref.(By omorib V=2) The shock felt over Kinki Tyugoku, Sikoku and Kyusyu districts Focal depth about 10ku.





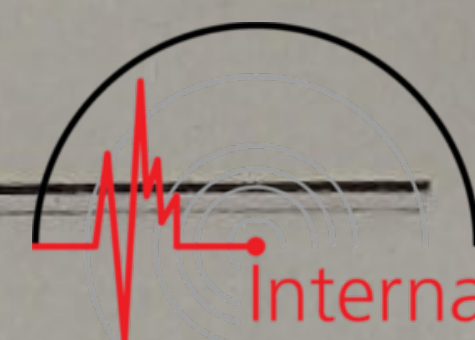
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre- distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
11	Jan. 12	P	2	34	42.0					209	An after shock of No. 10.
		S	2	35	10.1						
		Mz	2	35	10.7				+12		
		ME	2	35	11.1	<0.1	-49				
		MN	2	35	25.2	<0.1		-34			
		F	2	41	08-	<0.1					
12	" 13	eP	10	15	46.5					124	Ditto.
		S	10	16	03.2						
		F	10	16	53-						
13	" 13	eP	17	03	34.9					118	Ditto.
		S	17	03	50.8						
		F	17	05	24-						
14	" 14	P	2	20	31.7				+1.2	50	Near Okazaki city
		S	2	20	38.5						
		ME	2	20	38.6	<0.1	-29				
		MN	2	20	38.6	<0.1		-27			
		Mz	2	20	38.6	<0.1			-7		
		F	2	24	34-						
15	" 17	eP	1	04	22.2					293	ϕ132.6°E, λ33.8°N. Sea off the mouth of the river Sigenobu in Ehime pref. The shock felt at places in Sikoku, Tyugoku and Kyusyu districts.
		S	1	05	01.8						
		F	1	09	25-						
16	" 17	eP	16	24	59.1					350	ϕ141.5°E, λ37.4°N. Sea off the mouth of the river Uketo in Hukusima pref. The shock felt at places in SE. part of Tohoku and NE. part of Kwanto districts.
		S	16	25	46.2						
		ME	16	26	15.4	2.3	-21				
		Mz	16	26	15.8	2.5			+9		
		MN	16	26	17.5	2.1		+26			
		F	16	32	33-						
17	" 18	e	9	57	25.4						Epicentre unknown.
		F	9	59	16-						
18	" 18	eP	12	39	45.2					275	NE. sea off the mouth of the river Naka in Ibaraki pref.
		eS	12	40	22.2						
		F	12	41	44-						
19	" 20	eP	13	41	02.1					79	Sea off Hinomisaki in Wakayama pref.
		S	13	41	12.8						
		F	13	42	13-						





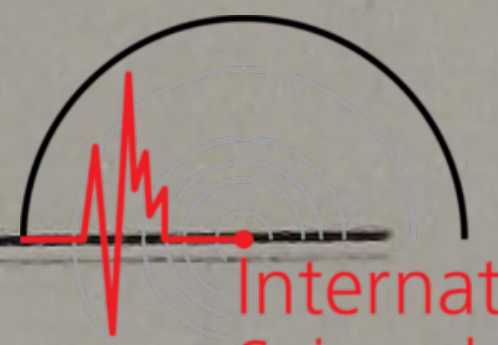
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
20	Jan. 21	eP	3 35 46.5					146	Sea off the mouth of the river Arita in Wakayama pref.
		S	3 36 06.2						
		F	3 38 10—						
21	" 22	eP	13 37 40.2					85	Near Hikone city.
		S	13 37 51.6						
			13 39 14—						
22	" 23	eP	4 34 36.3					324	Near Enkyo in Yamanasi pref
		S	4 35 20.0						
		F	4 37 03—						
23	" 23	e	15 53 03.2						Near the city of Nagoya.
		F	15 54 31—						
24	" 23	eP	17 42 34.7					550	Epicentre unknown.
		S	17 43 35.9						
		F	17 48 18—						
25	" 24	iP	19 11 51.0		+2.0	—	D	113	Δ138.2°E, Δ35.6. Near Mt. Sirane in Yamanasi pref. The shock were felt at Yamanasi and Nagano pref.
		iS	19 12 06.2						
		MN	19 12 08.6						
		ME	19 12 08.9						
		Mz	19 12 12.7						
		F	19 16 19—						
26	" 24	eP	19 50 35.7						A distant shock.
		eS	19 52 09.6						
		F	20 01 25—						
27	" 24	iP	22 03 05.1		W	-2.1	D	209	Δ135.1°E, Δ33.8°E. Near Hinomisaki in Wakayama pref. The shock felt at places over Kinki and greater part of Sikoku districts.
		S	22 03 33.3						
		ME	22 03 34.1						
		Mz	22 03 36.0						
		MN	22 03 44.9						
		F	22 11 21—						
28	" 25	e	4 38 23.9						Sea off the bay of Tanabe in Wakayama pref.
		F	4 39 39—						
29	" "	eP	9 59 21.5					114	Near Wasinomiya in Saitama pref
		eS	9 59 36.9						
		F	10 01 03—						





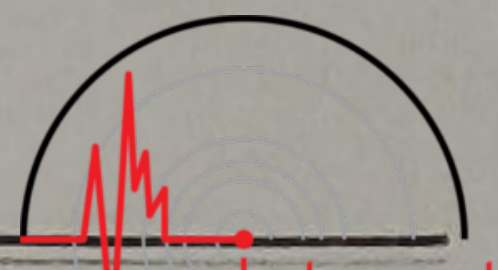
No.	Date.	Phase	Time 135°E M. C T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
30	Jan. 27	Pz	19 23 02.2					40	Near Nagoya city.
		Sz	19 23 07.6						
		ME	19 23 07.8	0.1<	-40				
		MN	19 23 14.1	0.1<		±17			
		Mz	19 23 16.8	0.1<			+10		
		F	19 26 49-						
31	" 29	eP	23 11 30.6				222	Sea off the bay of Tanabe in Wakayama pref.	
		S	23 12 00.5						
		F	23 13 59-						
32	" 30	eP	0 23 03.4				220	Ditto.	
		S	0 23 33.1						
		F	0 25 54-						
33	" 30	eP	3 36 36.8				209	Near Ogawa in Saitama pref.	
		eS	3 37 04.9						
		F	3 38 52-						
34	" 31	e	23 30 01.7					In the bay of Wakanoura.	
		F	23 31 30-						
35	Feb. 2	e	3 59 51.7					Epicentre unknown.	
		F	4 02 03.1						
36	" 2	P	4 11 56.9				4216	In the Banda sea.	
		S	4 17 56.3						
		ME	4 25 04.9	22.4	-2167				
		MN	4 27 23.9	18.4		-3467			
		ME <sub>2</sub>	4 28 12.0	18.6	-1160				
		F	Covered						
37	" 2	P	4 57 31.7				4953	Ditto.	
		S	5 04 11.2						
		ME	5 07 29.7	19.0	+246				
		MN	5 11 14.7	18.6		-216			
		F	5 23 24-						
38	" 2	eP	13 33 13.3				1305	ϕ146.0°E, λ45.0°N. N. sea off Kunasiri Is. The shock were felt at Kunasiri Is. and E. part of Hokkaido.	
		S	13 35 31.8						
		ME	13 35 52.4	2.1	-8				
		MN	13 36 01.7	2.5		+9			
		F	13 41 10-						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
39	Feb 5	P	11 42 32.3					1896	Near Marianne Is.
		S	11 45 45.9						
		F	11 54 35—						
40	" 5	eP	18 59 34.5					634	Epicentre unknown
		S	19 00 43.9						
		MN	19 01 03.1	2.5		-9			
		F	19 08 40—						
41	" 6	P	0 44 48.0					162	SW. ses off Hinomisaki in Wakayama pref.
		S	0 45 09.8						
		F	0 46 48—						
42	" 6	P	16 49 07.4					615	S. sea off Hatizyo Is (deep focus)
		S	16 50 14.9						
		F	16 54 40—						
43	" 7	eP	3 20 09.8					714	Sea off Iwaki.
		S	3 21 28.2						
		F	3 26 06—						
44	" 7	iP	23 43 38.4		+32.0	+17.5	-12.9	183	φ139.2°E, λ36.3°N. Near Honsyu in Saitama pref. The moderate shock was felt at Kwanto and the slight shock were felt at Tyubu, Tohoku districts. Focal depth about 100km.
		S	23 44 03.0						
		ME	23 44 06.6	2.6	+1700				
		Mz	23 44 13.2	2.5			±500		
		MN	23 44 15.9	2.5			-915		
		F	24 01 49—						
45	" 10	eP	8 39 13.1					654	SE. sea off Inubo cape.
		S	8 40 24.5						
		F	8 44 48—						
46	" 10	eP	10 08 19.6					329	S. sea off Inubo cape.
		S	10 09 03.8						
		F	10 11 20—						
47	" 10	e	10 25 58.7						SE. sea off Inubo cape.
		F	10 29 08—						
48	" 10	eP	10 54 20.6					555	Ditto.
		S	10 55 22.1						
		F	10 58 18—						
49	" 10	eP	11 20 59.3					540	E. sea off Inubo cape.
		S	11 21 59.3						
		F	11 24 56—						





No.	Date.	Phase	Time 135°E M. C. T h m s	Period s	Amplitude			△ Epicentre- distance km.	Remarks
					AE μ	AN μ	Az μ		
50	Feb. 10	eP	11 31 53.8					43.1	SE. sea off Inubo cape.
		S	11 32 51.9						
		F	11 36 00—						
51	" 10	eP	14 52 18.0					618	Sea off Nozima cape.
		S	14 53 25.8						
		F	14 56 26—						
52	" 11	eP	15 59 01.8					736	φ145.8°E, λ41.7°N. S. sea off Nosyahu cape.
		S	16 00 22.4						
		F	16 05 35—						
53	" 11	eP	23 43 01.0					837	Near Taityu city.
		S	23 44 31.7						
		ME	23 44 51.8	3.6	-8				
		MN	23 44 53.7	3.7		+7			
		F	23 52 12—						
54	" 13	P	5 02 35.0					421	φ142.1°E, λ37.4°N. Sea off Sioya cape
		S	5 03 31.6						
		F	5 08 00—						
55	" 13	P	19 16 42.6					67	Near Hatiman in Gihu pref.
		S	19 16 51.6						
		F	19 21 59—						
56	" 13	e	22 49 28.4						Near gobo in Wakayama pref.
		F	22 52 35—						
57	" 16	P	15 14 16.7					59	Near Toyohasi city.
		S	15 14 24.7						
		ME	15 14 24.9	0.6	-19				
		MN	15 14 24.9	0.6		-39			
		Mz	15 14 29.6	0.7			-9		
		F	15 18 37—						
58	" 17	eP	16 30 14.6					438	NE. sea off Sioya cape
		S	16 31 13.6						
		F	16 34 32—						
59	" 19	P	1 51 32.2					405	ESE. sea off Inubo cape.
		S	1 52 26.7						
		F	1 57 25—						





No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre- distance	Remarks
							A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>		
			h	m	s	s	μ	μ	μ	km.	
60	Feb. 20	P	8	57	58.6					294	Near Singo in Okayama pref.
		S	8	58	38.3						
		M <sub>N</sub>	8	58	44.9	1.9		-17			
		M <sub>E</sub>	8	58	47.1	1.9	-10				
		F	9	03	09-						
61	" 20	eP	18	06	03.5					78 ?	Near Kameoka in Kyoto pref.
		S	18	06	14.0						
		M <sub>E</sub>	18	06	16.7	0.5	-10				
		F	18	08	22-						
62	" 22	eP	20	10	53.9					267	Near Torite in Ibaraki pref.
		S	20	11	29.9						
		F	20	13	13-						
63	" 25	eP	17	56	24.4					32	Near Mitake in Gifu pref.
		iS	17	56	28.7						
		F	17	57	42-						
64	" 27	eP	10	32	24.5					890	φ147.7°E, λ43.7°N. S sea off Etorohu Is.
		eS	10	34	01.0						
		F	10	41	52-						
65	" 28	eP	10	46	54.6					560	φ141.6°E, λ36.2°N. ENE. sea off Inubo cape. The shock felt at places in E. part of Kwanto district and Hukusima pref.
		S	10	47	56.7						
		M <sub>E</sub>	10	48	18.8		-25				
		M <sub>N</sub>	10	48	41.0			-27			
		F	10	55	45-						
66	" 28	e	12	54	50.2						ENE. sea off Inubo cape.
		F	12	57	38-						
67	Mar. 1	P	15	01	31.6					973	Near the city of Miyakonozyo in Miyazaki pref
		S	15	03	16.9						
		M <sub>E</sub>	15	04	42.8	2.7	+7				
		M <sub>N</sub>	15	04	45.8	2.9		-7			
		F	15	12	42-						
68	" 5	e	2	11	05.7						S. part of Kumamoto pref.
		F	2	15	24-						
69	" 5	e	20	39	28.6						A distant shock.
		F	20	45	41-						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>		
			h m s	"	μ	μ	μ	km.	
70	Mar. 11	eP	0 43 02.5					1130	Sea off Titizima Is.
		L	0 45 03.1						
		F	0 51 08—						
71	" 13	eP	13 42 08.0					182	Near Honsyo in Saitama pref. (deep focus)
		S	13 42 32.5						
		F	13 43 57—						
72	" 17	e	5 40 37.8						S. sea off Oosima in Yamaguti. pref.
		F	5 43 52—						
73	" 18	e	11 11 35.0						N. sea off Etorohu Is.
		F	11 16 45—						
74	" 19	iP	21 48 24.1		E	S	+6	25	Near Takegahana in Gihu pref.
		iS	21 48 27.5						
		ME	21 48 27.6		+18				
		MN	21 48 27.6			+20			
		Mz	21 48 27.6				+13		
		F	21 51 27—						
75	" 20	P	8 24 13.9					30	Near Nagoya city.
		iS	8 24 17.9						
		F	8 25 45—						
76	" 21	P	8 51 07.7					139	Near Mt. Nisikasa-gatake in Toyama pref.
		S	8 51 26.3						
		ME	8 51 27.5	1.1	-17				
		F	8 57 14—						
77	" 23	eP	0 15 07.2					791	N. part of the Japan sea. (deep focus)
		S	0 16 33.3						
		F	0 21 20—						
78	" 23	eP	11 22 05.9					311	∠140.4°E, ∠36.6°N. Near Oomiya in Ibaraki pref. The shock felt at places in Ibaraki and Totigi pref.
		S	11 22 47.8						
		ME	11 22 54.5	1.3	+6				
		MN	11 23 01.0	1.1		+8			
		F	11 26 53—						
79	" 25	P	14 52 49.6					388	SSE. sea off Katuura in Tiba pref.
		S	14 53 41.8						
		F	14 58 56—						





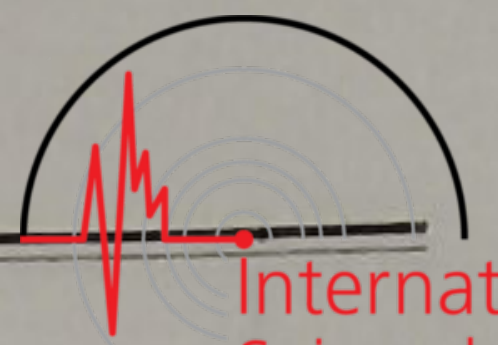
No.	Date.	Phase	Time 135°E M. C. T.	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	"	μ	μ	μ	km.	
80	Mar 28	P	3 54 03.0					321	SW. sea off Hatizyo Is. (deep focus)
		S	3 54 46.2						
		ME	3 54 47.9	3.0	+10				
		MN	3 54 54.0	2.7		+8			
		F	3 58 59.0						
81	" 28	P	8 55 43.7					108	The middle course of the river Ooi.
		S	8 55 58.2						
		F	8 58 26—						
82	" 28	eP	22 07 20.2					978	130.2°E, 31.8°N. Sea off the mouth of the river Sendai in Kagosima pref. The shock felt in the Kyusyu district.
		S	22 09 06.0						
		ME	22 09 10.9	2.8	+11				
		MN	22 09 11.9	2.6		+8			
		F	22 16 17—						
83	" 28	P	22 35 00.2					57	Near Mt. Ibuki.
		S	22 35 07.8						
		ME	22 35 08.0	<0.1	+21				
		MN	22 35 08.0	<0.1		+32			
		Mz	22 35 09.2	<0.1			±5		
		F	22 37 16—						
84	April 1	P	7 36 00.7					2390	In the Bashi Channel.
		S	7 39 56.6						
		ME	7 40 26.4	4.4	±15				
		MN	7 40 28.8	4.4		±18			
		F	7 51 54—						
85	" 1	eP	9 48 38.3						Ditto.
		eS	9 48 55.3?						
		F	9 52 33—						
86	" 1	eP	15 09 46.9					342	Near Mikkaido in Ibaraki pref.
		S	15 10 33.1						
		F	15 13 46—						
87	" 1	P	22 14 09.7					230	134.0°E, 34.1°N. Near Mituno in Tokusima pref. The shock felt in the greater part of Sikoku and Tyugoku districts.
		iS	22 14 40.7						
		ME	22 14 41.7		+24				
		MN	22 14 44.2			+17			
		F	22 48 43—						
88	" 2	e	3 09 00.4						Near Titizima Is.?
		F	3 14 31—						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance km.	Remarks
					AE	AN	Az		
89	April 2	P	Covered		$\mu$	$\mu$	$\mu$	N part of the South China sea.	
		eS	6 36 09.9						
		ME	6 36 52.9	3.0	+20				
		MN	6 36 56.8	3.2		-13			
		F	6 45 52—						
90	" 2	eP	7 49 27.8				1120	In the Soya Straits. (deep focus)	
		eS	7 51 27.6						
		F	7 56 47—						
91	" 2	e	15 22 03.8					A distant shock.	
		F	15 26 57—						
92	" 2	eP	16 33 11.1				1290	Near Etorohu Is. (deep focus)	
		S	16 35 27.8						
		F	16 43 03—						
93	" 4	P	12 10 41.7				176	The lower course of the river Arita in Wakayama pref	
		S	12 11 05.4						
		F	12 12 52—						
94	" 5	P	6 16 24.5				4065	A distant shock.	
		S	6 22 15.2						
		F	6 31 22—						
95	" 5	eP	7 34 30.0				115	Sea off Hukusima pref.	
		S	7 34 45.5						
		F	7 39 04—						
96	" 7	eP	12 37 20.7				550	In the Kasima nada.	
		S	12 38 21.8						
		F	12 42 33—						
97	" 9	eP	5 02 54.7				190	Near Iiyama in Nagano pref.	
		eS	5 03 20.2						
		F	5 06 15—						
98	" 9	eP	21 08 22.5				304	Near Honsho in Saitama pref. (deep focus)	
		eS	21 09 03.5						
		F	21 11 26—						
99	" 13	eP	12 02 51.7				3646	A distant earthquake.	
		S	12 08 18.0						
		MN	12 08 44.7	4.0		-18			
		ME	12 08 45.7	4.0	-14				
		F	12 26 55—						





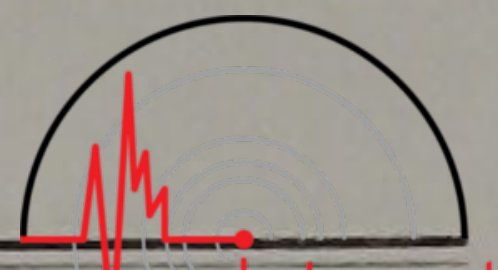
No.	Date.	Phase	Time 135°E M. C. T h m s	Period s	Amplitude			△ Epicentre- distance km.	Remarks
					A <sub>E</sub> μ	A <sub>N</sub> μ	A <sub>Z</sub> μ		
100	Apri 14	P	10 23 50.1					4002	A distant earthquake.
		S	10 29 37.2						
		M <sub>N</sub>	10 29 40.7	4.0	+22				
		M <sub>E</sub>	10 29 41.6	4.1	-29				
		F	10 44 38-						
101	" 15	P	9 04 58.5		+6.8	+3.4	+21.5	112	ϕ138.4°E, λ35.3°N. S part of Yamanasi pref. The shock felt in the greater part of Tyubu and a part of Kwanto, Kinki districts
		S	9 05 13.6						
		M <sub>E1</sub>	9 05 13.9	0.9	-196				
		M <sub>N1</sub>	9 05 14.4	0.9		-239			
		M <sub>N2</sub>	9 05 15.4	0.9		+256			
		M <sub>E2</sub>	9 05 15.4	0.9	+182				
		M <sub>Z1</sub>	9 05 22.6	0.8			+101		
		M <sub>Z2</sub>	9 05 43.2	1.6			-115		
		F	9 15 48-						
102	" 16	P	2 58 25.5					322	ϕ141.7°E, λ37.2°N. NE. sea off Sioya cape. The shock felt at places in Hokusima and Totigi pref.
		S	2 59 08.9						
		M <sub>N</sub>	2 59 28.9	2.1		+22			
		M <sub>E</sub>	2 59 33.9	2.1	-25				
		F	3 05 02-						
103	" 17	eP	12 04 40.8					113	Near Tadono in Wakayama pref.
		S	12 04 56.1						
		F	12 07 00-						
104	" 20	e	16 38 10.9						A distant shock.
		F	16 49 06-						
105	" 22	eP	8 56 28.2					342	SE. sea off Inubo cape.
		S	8 57 14.4						
		M <sub>N</sub>	8 57 56.1	2.2		-21			
		M <sub>E</sub>	8 58 01.2	3.0	±19				
		F	9 05 10-						
106	" 23	P	9 29 59.2					880	ϕ131.0°E, λ28.1°N. SE. sea off Amami Oosima. Felt at places in Amami Oosima, Yaku Is. and S. part of Kyusyu.
		S	9 31 35.2						
		M <sub>N</sub>	9 31 51.2	3.1		±21			
		M <sub>E</sub>	9 32 16.3	3.3	-21				
		F	9 52 11-						





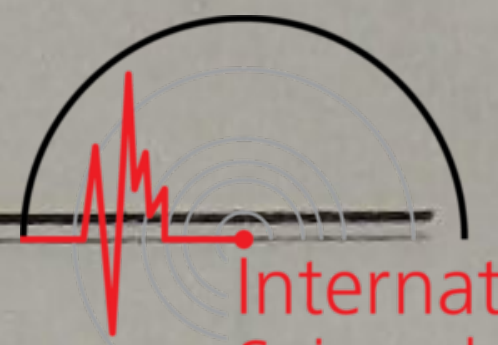
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentro- distance	Remarks
					AE	AN	Az		
107	April 25	iP	h m s 23 46 12.0		μ	μ	μ	35.7	φ141.8°E, λ37.1°N. ENE. sea off Sioya cape. The shock felt at places in E. part of Tohoku, the greater part of Kwanto and SE. part of Tyubu districts.
		S	23 47 00.1						
		M <sub>N1</sub>	23 47 14.3	3.2	+238				
		M <sub>E2</sub>	23 47 36.3	2.7	-218				
		M <sub>N1</sub>	23 47 37.4	2.7		+188			
		M <sub>N2</sub>	23 47 38.7	2.6		-175			
		Mz	23 48 15.4	2.3			-59		
108	" 26	eP	5 00 11.7				63	Near Tokitu in Gihu pref.	
		S	5 00 20.2						
		F	5 01 36-						
109	" 26	e	22 02 31.5					Mt. Asama.	
		F	22 11 15-						
110	" 27	eP	11 30 25.0				279	S. sea off Hatizyu Is.	
		S	11 31 02.6						
		F	11 33 17-						
111	" 27	eP	21 35 28.5				750	Sea off Hatizyo Is.	
		S	21 36 50.3						
		F	21 41 33-						
112	" 28	e	18 17 43.5					Near Mikkaido in Ibaraki pref.	
		F	18 19 48-						
113	May 1	eP	5 21 47.9				25	Near Gihu city.	
		S	5 21 51.3						
		MN	5 21 51.5	0.1<		-4			
		M <sub>E</sub>	5 21 51.6	0.1<	-5				
		F	5 23 16-						
114	" 1	eP	23 18 50.3				221	Near Takayama city.	
		S	23 19 20.1						
		F	23 21 13-						
115	" 2	eP	7 23 48.9				258	N. part of Kasima-nada.	
		S	7 24 23.7						
		F	7 26 55-						
116	" 2	P	23 57 12.6				1378	S. sea off Yaku Is	
		S	23 59 37.8						
		MN	0 00 28.2	3.0		-26			
		M <sub>E</sub>	0 00 47.9	2.8	-13				
		E	0 07 34-						





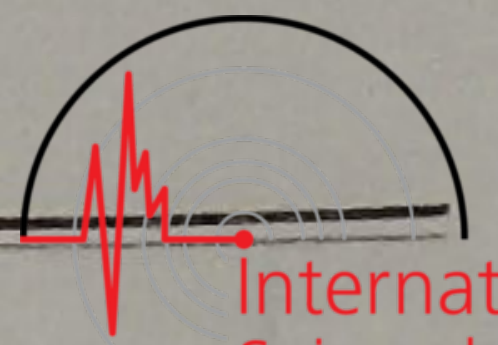
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre- distance	Remarks
							AE	AN	Az		
			h	m	s	"	μ	μ	μ	km.	
117	May 3	e F	14	31	22.1						SE. sea off Katuura in Tiba pref.
118	" 4	P S ME F	4	19	32.1	3.2	-10			1635	SE. sea off Etorohu Is.
119	" 6	eP S F	9	58	08.4					293	Near Tajima in Hukusima pref
120	" 6	eP S F	14	56	44.4					584	NE. sea off Sioya cape.
121	" 6	e F	15	01	26.0						ESE. sea off Miyako Is.
122	" 8	P S ME F	23	47	43.5	3.2	+8			3830	A distant shock.
123	" 9	P S MN ME F	12	47	58.6	3.0		+21		308	W. sea off Hatizyo Is.
124	" 9	P S MN F	19	46	47.5	1.5		+11		273	Near Sakai in Ibaraki pref.
125	" 11	eP S ME MN F	12	11	32.0	3.0	+11			940	ϕ142.9°E, λ40.6°N. E. sea off Hatinohé. The shock felt at places in NE. part of Tohoku and S. part of Hokkaido.
126	" 11	P iS F	12	47	48.2					86	Near Toyokawa in Aiti pref.





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
127	May 11	e F	17 07 17.6 17 11 23—						SSE, sea off Amami Oosima Is.
128	" 13	eP S L F	0 46 57.9 0 53 20.7 0 57 45.4 1 41 28—					4645	A distant earthquakl.
129	" 13	e F	21 03 15.3 21 06 39—						Epicentre unknown.
130	" 14	e F	0 12 35.3 0 16 21—						A distant shock.
131	" 14	eP S F	12 04 03.5 12 04 41.5 12 06 36—					282	N. part of the Kasima nada.
132	" 14	e F	21 10 02.5 21 14 27—						A distant shock.
133	" 15	e F	0 37 27.6 0 40 40—						In the Kasima nada.
134	" 20	eP L ME Mz MN F	2 15 52.8 2 22 12.3 2 27 19.9 2 29 20.5 2 29 32.5 3 17 13—		24.0 25.0 22.2	+909		4590	A distant earthquake.
135	" 21	eP S F	12 03 54.0 12 04 08.6 12 06 14—					109	In the Uruga Straits.
136	" 21	P S F	19 39 53.0 19 40 07.6 19 41 59—					109	Near Kawasaki in Sizuoka pref.
137	" 22	P S MN F	0 07 29.4 0 07 35.7 0 07 38.1 0 09 00—	0.1<		+5		47	E. part of Aiti pref.





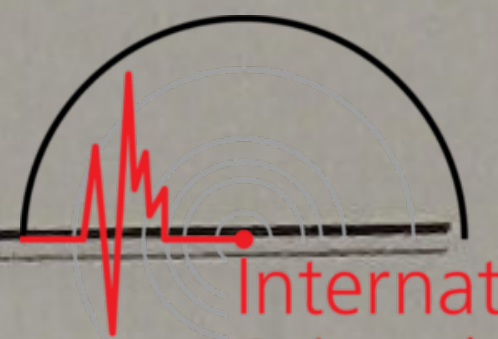
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
138	May 22	eP	14 17 34.8					329	Near Iwama in Ibaraki pref.
		S	14 18 19.0						
		F	14 20 28—						
139	" 23	ePE	16 19 32.6					370	141.5°E, 36.7°N. Sea off Sioya cape. The shock was felt in the E. half of Japan
		ePN	16 19 33.8						
		ePz	16 19 33.2						
		iPE	16 19 36.5		-77.7				
		iPN	16 19 36.5			-30.8			
		iPz	16 19 37.1				+17.2		
		S	16 20 22.4						
		ME	16 20 39.4	2.5	-6500				
		MN	16 20 46.8	2.5		+5100			
		Mz	16 20 49.4	2.5			-3050		
140	" 23	iP	17 25 57.2					2527	In the Bashi Channel
		S	17 30 04.3						
		MN	17 30 28.6	3.0		+67			
		F	18 09 00—						
141	" 23	eP	18 01 55.5					306	Sea off Sioya cape. An after shock of No. 139.
		S	18 02 36.8						
		MN	18 03 10.4	1.5		+5			
		F	18 06 51—						
142	" 23	P	22 31 30.3					339	Ditto.
		S	22 32 16.0						
		MN	22 32 45.4	2.3		+10			
		F	22 36 05—						
143	" 24	eP	2 20 15.6					373	Ditto.
		S	2 21 05.9						
		F	2 23 38—						
144	" 24	eP	6 20 57.2					377	Ditto.
		S	6 21 48.0						
		F	6 23 45—						
145	" 24	e	7 16 35.9						Ditto.
		F	7 19 37—						





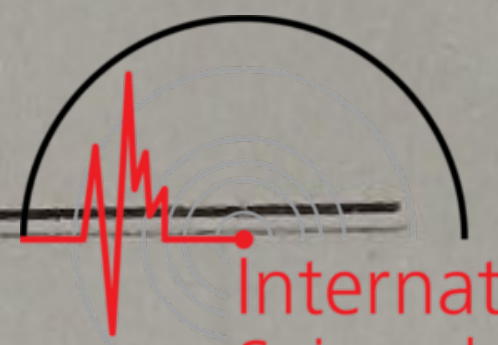
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
146	May 25	P	5 19 44.9						Sea off Sioya cape. An a after shock of No. 139.
		S	5 20 29.7						
		MN	5 20 53.2	1.3		-10			
		ME	5 20 56.8	1.3	-6				
		F	5 23 48-						
147	" 25	eP	23 50 31.4					Ditto.	
		S	23 51 40.5						
		F	23 55 57-						
148	" 26	e	0 54 46.3					Ditto.	
		F	0 56 57-						
149	" 26	P	8 46 23.3				347	Ditto.	
		S	8 47 10.1						
		MN	8 47 42.2	2.7		+12			
		F	8 53 23-						
150	" 26	P	20 10 53.3				389	Ditto.	
		S	20 11 45.7						
		ME	20 12 51.8	2.8	-15				
		MN	20 12 58.5	2.5		+18			
		F	20 20 26-						
151	" 26	e	21 05 30.3					Ditto.	
		F	21 07 55-						
152	" 27	eP	9 18 40.1				313	Ditto.	
		S	9 19 22.2						
		F	9 23 26-						
153	" 28	eP	18 50 49.6				332	Ditto.	
		S	18 51 34.2						
		MN	18 51 48.8	2.0		+23			
		ME	18 51 57.6	1.8	+23				
		Mz	18 52 00.7	1.4			+8		
		F	18 58 30-						
154	" 29	P	1 44 30.9				1643	ϕ144.3°E, λ43.6°N. Near the lake of Kussyaroko.	
		S	1 47 20.3						
		F	2 18 04-						
155	" 29	P	5 03 58.2				378	ENE. sea off Miyake Is.	
		S	5 04 49.1						
		F	5 07 05-						





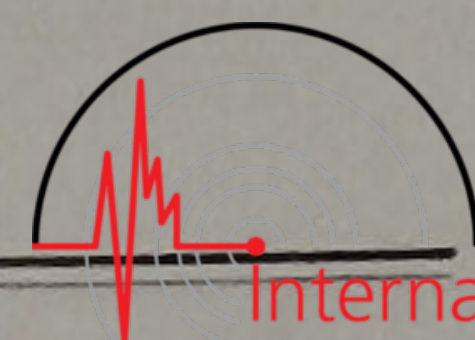
No.	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
156	May 30	eP	2 26 31.7					378	E. sea off Inubo cape.
		S	2 27 22.6						
		F	2 29 47—						
157	" 30	P	23 40 13.7					9524	Near New Caledonia.
		eL	23 50 50.4						
		F	0 37 17—						
158	" 31	e	8 32 30.7						Near Hirosima city.
		F	8 37 55—						
159	" 31	P	17 23 04.2					1478	NNW. sea off Amami Oosima.
		S	17 25 39.0						
		F	17 32 17—						
160	" 31	P	23 53 20.3					251	Sea off Sioya cape.
		S	23 53 54.1						
		MN	23 54 16.0	2.0		-4			
		ME	23 54 18.1	2.0	+6				
		F	23 58 02—						
161	June 1	eP?	4 25 49.9						Near Sioya cape.
		S	4 26 19.2						
		F	4 28 53—						
162	" 1	eP	20 59 37.1					550	ENE. sea off Inubo cape.
		S	21 00 38.2						
		F	21 04 24—						
163	" 1	eP	22 43 50.5						ESE. sea off Sioya cape.
		S?	22 44 44.9						
		F	22 47 03—						
164	" 2	e	6 33 10.5						N. part of the Kasima nada.
		F	6 34 55—						
165	" 3	eP	9 29 14.0					300	141.1°E, 36.4°N. In the Kasima nada. Felt at places in SE. part of Tohoku and NE. part of Kwanto districts.
		S	9 29 54.1						
		ME	9 30 16.7	2.0	+76				
		MN <sub>1</sub>	9 30 18.1	2.0		-69			
		MN <sub>2</sub>	9 30 31.0	2.2		+79			
		MZ	9 30 32.0	1.2			+27		
		F	9 37 08—						





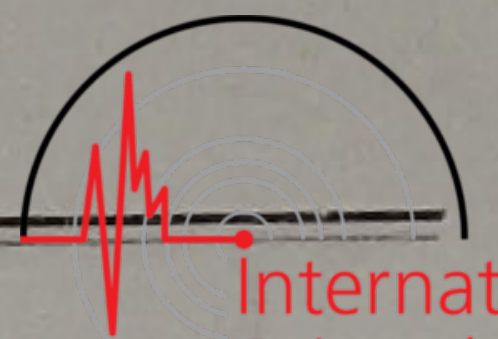
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre- distance	Remarks
							AE	AN	Az		
			n	m	s	s	μ	μ	μ	km.	
166	June 5	eP	19	11	43.4					324	In the Kasima nada.
		S	19	12	27.1						
		MN	19	12	47.8	2.5		±29			
		ME	19	12	52.8	2.5	+27				
		F	19	20	58-						
167	" 6	P	1	32	20.3					374	140.3°E, 35.9°N. Near Edozaki in Ibaraki pref. Felt in all over Kwanto district.
		S	1	33	10.7						
		ME	1	33	04.2	1.7	-1000				
		Mz	1	33	18.8	1.4			±237		
		MN	1	33	19.7	1.6		±900			
		F	1	46	25-						
168	" 6	P	4	54	20.1					333	Ditto.
		S	4	55	04.9						
		MN	4	55	17.5	1.5		-12			
		ME	4	55	45.3	1.4	±9				
		F	4	58	57-						
169	" 6	P	7	16	20.4					364	ENE. sea off Inubo cape.
		S	7	17	09.4						
		MN	7	17	56.2	2.2		-19			
		ME	7	18	07.4	2.2	±11				
		F	7	24	14-						
170	" 6	eP	10	35	55.7					670	E. sea off Kinkwazan.
		S	10	37	09.0						
		F	10	40	19-						
171	" 7	e	6	25	02.6						Mt Asama.
		F	6	27	18-						
172	" 10	eP	4	22	38.4					7800	A distant earthquake.
		iP	4	22	44.8						
		L	4	31	47.9						
		MN	4	38	05.0	19.0		±215			
		Mz	4	38	57.2	17.0			±164		
		ME	4	40	51.1	18.0	±57				
		F	5	01	01-						
173	" 10	e	6	03	57.6						Ditto.
		F	6	06	25-						
174	" 10	eP	12	20	45.1					267	Near Simodate in Ibaraki pref.
		S	12	21	21.1						
		F	12	24	11-						





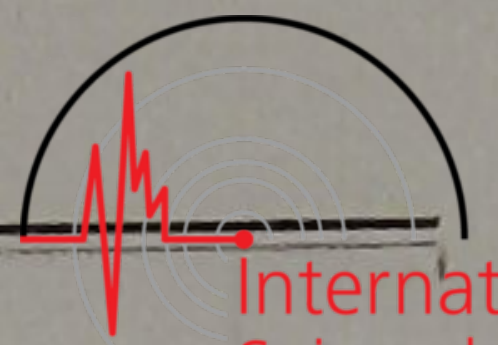
No	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance km.	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ		
175	Ju 10	e	15 44 48.0					Near Teganuma in Tiba prfe.	
		F	15 46 57—						
176	" 10	eP	18 57 05.9				3755	φ125.2°E, λ25.3°N. NNE. sea off Miyako Is. The shock felt in Nansei Syoto.	
		L	19 02 38.9						
		ME	19 04 47.4	10.7	+405				
		Mz	19 07 10.2	8.3			-501		
		MN	19 07 57.1	9.7		+332			
		F	20 11 11—						
177	" 10	P	6 40 08.0				86	Near Mt. Akiba in Sizuoka pref.	
		S	6 40 19.6						
		Mz	6 40 21.0	0.5			+8		
		ME	6 40 22.9	1.1	-24				
		MN	6 40 23.0	1.0		+19			
		F	6 47 14—						
178	" 11	P	10 31 03.2				96	Near Hamamatu city.	
		S	10 31 16.1						
		F	10 33 59—						
179	" 12	P	9 36 21.7				55	Near Sinsiro in Aiti pref	
		S	9 36 29.1						
		Mz	9 36 29.6	0.5			+16		
		ME	9 36 29.7	1.0	-55				
		MN	9 36 32.1	1.0		+19			
		F	9 41 13—						
180	" 12	e	16 17 01.4					An after shock of No. 176.	
		F	16 20 00—						
181	" 12	P	16 49 08.5				408	φ141.6°E, λ37.9°N. E sea off Sioya cape	
		S	16 50 03.5						
		ME	16 50 14.6	2.0	+23				
		Mz	16 50 30.2	1.5			+8		
		MN	16 50 33.7	2.0		+18			
		F	16 56 05—						
182	" 14	P	14 47 56.7				321	Near the mouth of the river Ooi.	
		S	14 48 40.0						
		F	14 51 48—						
183	" 16	P	4 49 50.6				202	Near Izu Oosima.	
		S	4 50 17.9						
		F	4 56 22—						





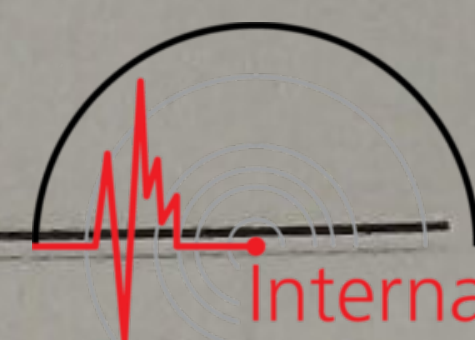
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre distance km.	Remarks
							AE	AN	Az		
184	June 16	iP	11	17	40.0				1698	129.4°E, 27.7°N. S sea off Amami Oosima. The shock felt in Nansei Syoto	
		S	11	20	35.8						
		Mz	11	28	53.7	11.0					-120
		MN	11	29	44.1	11.0		+149			
		ME	11	32	49.8	10.4	-113				
		F	12	20	30-						
185	" 16	P	12	44	13.7				228	Ditto.	
		S	12	44	44.3						
		F	12	47	46-						
186	" 16	P	13	19	13.7				280	Near Kumagaya in Saitama pref.	
		S	13	19	51.4						
		F	13	22	05-						
187	" 16	P	18	32	42.1				278	Near Omaezaki in Sizuoka pref.	
		S	18	33	19.5						
		F	18	35	19-						
188	" 16	eP	21	55	20.1				565	Sea off the mouth of the river Hizikawa in Ehime pref.	
		S	21	56	22.6						
		F	22	00	31-						
189	" 18	eP	9	44	11.5		-6.3	-3.5	397	141.1°E, 36.5°N. In the Kasima nada. The shock felt all most in Kwanto and greater part of Tohoku, Tyubu districts.	
		iP	9	44	12.4						+4.8
		S	9	45	05.0						
		Mz	9	45	30.9	1.7					+350
		MN	9	45	32.6	2.0		+600			
		ME	9	45	36.9	2.0	-500				
190	" 18	eP	15	51	48.4				324	E sea off Katuura in Tiba pref.	
		S	15	52	32.0						
		F	15	55	27-						
191	" 21	e	8	59	16.5					A distant shock.	
		F	9	27	17-						
192	" 21	eP	15	48	11.6				2360	SE. sea off Taito.	
		S	15	52	05.3						
		F	16	01	26-						
193	" 21	eP	23	34	32.8				408	Near the mouth of the river Naka in Ibaraki pref.	
		S	23	35	27.8						
		F	23	39	08-						





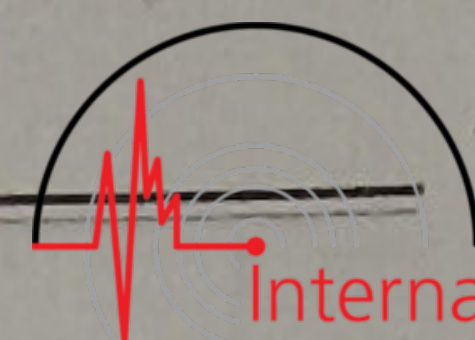
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentro- distance	Remarks	
							A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>			
			n	m	s	s	μ	μ	μ	km.		
194	June 23	eP	3	27	59.7					660	In the Kasima nada.	
		S	3	29	11.7							
		F	3	34	07—							
195	" 23	e	22	05	56.4						A distant shock.	
		F	22	18	12—							
196	" 24	eP	22	07	03.8					391	φ141.2°E, λ36.3°N. In the Kasima nada.	
		S	22	07	56.5						The shock felt at places in NE part of Kwanto and SE. part of Tohoku districts.	
		M <sub>N</sub>	22	08	21.7	2.8		+ 35				
		M <sub>Z</sub>	22	08	23.0	2.5			±15			
		M <sub>E</sub>	22	08	27.2	2.9	±30					
		F	22	16	08—							
197	" 26	e	12	50	55.3						E. sea off the mouth of the river Kuzi in Ibaraki pref.	
		F	12	53	21—							
198	" 27	eP	22	45	53.8					420	SE. sea of Hatizyo Is	
		S	22	46	50.4							
		F	22	51	55—							
199	" 28	e	5	01	14.4						N. part of the Japan sea.	
		F	5	06	26—							
200	" 29	eP	15	30	46.5					353	φ141.5°E, λ37.0°N. E. sea of Sioya cape.	
		S	15	31	34.1							
		M <sub>E</sub>	15	31	46.6	1.4	+18					
		M <sub>N</sub>	15	31	55.6	1.6		-19				
		F	15	36	12—							
201	" 29	e	19	55	51.8						Near Hunazu in Yamanasi pref.	
		F	19	57	21—							
202	" 29	eP	20	43	11.6					147	Near Ookawa in Sizuoka pref.	
		S	20	43	31.4							
		M <sub>E</sub>	20	43	44.4	1.3	-16					
		M <sub>N</sub>	20	43	44.8	1.3		-14				
		F	Covered									
203	" 29	eP	20	46	38.2					180	Ditto.	
		S	20	47	02.5							
		F	20	51	00—							





No.	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks	
					AE	AN	Az			
204	June 29	eP	h m s 23 02 37.8	s	μ	μ	μ	km. 378	ϕ141.2°E, λ36.8°N. SE. sea of Sioya cape. The shock felt in the greater part of Tohoku, Kwanto and a part of Tyubu districts.	
		S	23 03 28.8							
		Mz	23 03 31.4		2.2		±48			
		MN	23 03 42.3		2.4		±177			
		ME	23 03 59.0		2.2	+130				
		F	23 13 18-							
205	July 1	eP	8 42 18.8					102	The mouth of the river Arita in Wakayama pref	
		S	8 42 32.6							
		F	8 44 25-							
206	" 1	P	18 33 06.5					379	ϕ141.1°E, λ36.4°N. In the Kasima nada. A shock was felt at NE. part of Kwanto district.	
		S	18 33 57.6							
		ME	18 34 08.2		1.4	+15				
		MN	18 34 23.2		2.0		+21			
		Mz	18 34 34.5		1.2					-8
		F	18 40 08-							
207	" 2	P	14 01 05.2					416	Ditto.	
		S	14 02 01.2							
		ME	14 02 20.2		1.8	+21				
		MN	14 02 32.3		2.1		+24			
		F	14 09 19-							
208	" 3	eP	8 37 50.2					350	N. part of the Kasima nada.	
		S	8 38 37.3							
		F	8 41 55-							
209	" 6	eP	21 48 34.0					654	In the Kasima nada.	
		S	21 49 45.4							
		F	21 53 30-							
210	" 6	P	22 02 05.8					416	ϕ141.5°E, λ36.3°N. In the Kasima nada. The shock felt at places in Kwanto and SE. part of Tohoku.	
		S	22 03 01.8							
		Mz	22 03 20.2		2.7					-43
		MN	22 03 28.6		2.4		+189			
		ME	22 03 44.6		2.4	+122				
		F	22 15 24-							
211	" 6	P	23 44 27.5					594	In the Kasima nada.	
		S	23 45 32.9							
		MN	23 45 48.4		2.1		+12			
		ME	23 46 04.6		2.3	-8				
		F	23 50 28-							





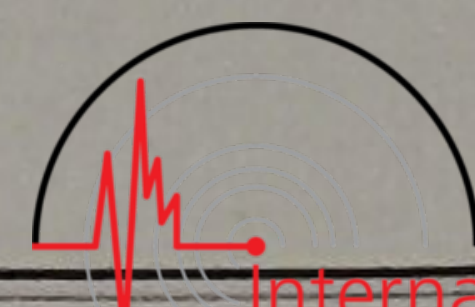
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
212	Jul 7	e	1 19 05.3						Near Simizu-Tooge in Gunma pref.
		F	1 22 08-						
213	" 8	P	0 46 53.0					119	S. sea off Sima peninsula.
		S	0 47 09.0						
		Mz	0 47 17.2	1.7			-27		
		ME	0 47 25.2	2.2	-55				
		MN	0 47 31.5	2.2		+41			
		F	0 56 33-						
214	" 9	eP	23 04 00.3					264	Epicentre unknown.
		S	23 04 35.8						
		F	23 07 06-						
215	" 11	P	1 13 50.5					41	Near Samegai in Siga pref.
		S	1 13 56.0						
		MN	1 13 56.9	0.6		+25			
		ME	1 13 57.0	0.5	+13				
		F	1 16 33-						
216	" 11	P	1 57 50.3						Near Wakayama city.
		S	1 58 00.2						
		F	2 00 02-						
217	" 12	P	14 23 26.0						Mt. Asama.
		S	14 23 33.8						
		F	14 24 21-						
218	" 12	P	17 07 11.5					59	Near Sinsiro in Aiti pref.
		iS	17 07 19.5						
		F	17 08 54-						
219	" 13	eP	10 00 16.8					413	ESE. sea off Inubo cape.
		eS	10 01 12.5						
		F	10 04 16-						
220	" 14	e	11 48 52.7						SE. sea off Amami Oosima.
		F	11 52 09-						
221	" 14	e	12 39 02.0						In the Kasima nada.
		F	12 42 00-						





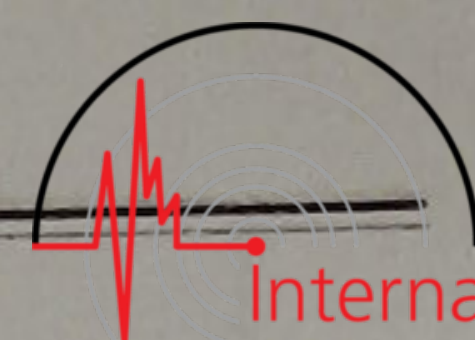
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre distance	Remarks
							A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>		
			h	m	s	s	μ	μ	μ	km.	
222	July 14	iP	21	44	44.9				-4.8	43	Near Tokoname in Aiti pref.
		iS	21	44	50.7						
		ME	21	44	51.0	0.1<	-47				
		Mz	21	44	51.2	0.1<			-19		
		MN	21	44	58.1	0.1<		+33			
		F	21	50	18-						
223	" 15	eP	13	58	14.0					1450	Sea off Nakasiretoko cape.
		S	14	00	46.4						
		F	14	05	21-						
224	" 15	e	16	33	32.9						In the Kasima nada.
		F	Covered								
225	" 15	eP	16	36	49.7					430	Ditto.
		eS	16	37	47.6						
		F	16	40	23-						
226	" 17	eP	6	13	40.5					660	Ditto.
		S	6	14	52.2						
		F	6	18	13-						
227	" 17	e	22	19	51.9						A distant shock.
		F	22	25	05-						
228	" 18	P	18	20	47.0					439	In the Kasima nada.
		S	18	21	46.1						
		ME	18	22	11.1	2.4	±14				
		MN	18	22	29.9	2.6		±17			
		F	18	27	07-						
229	" 19	P	18	00	07.1					850	WNW. sea off Titizima.
		S	18	01	38.9						
		ME	18	01	42.4	3.4	±15				
		MN	18	01	45.6	3.2		-13			
		F	18	09	08-						
230	" 20	e	12	48	09.4						Epicentre unknown.
		F	12	49	50-						
231	" 20	P	20	53	07.1						Ditto.
		S	20	54	14.0						
		F	Covered								





No	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m	s	μ	μ	μ	km.	
232	July 20	P	Covered						Near Marianne Is.
		S	20 56 28.7						
		F	21 02 07—						
233	" 23	e	2 55 02.5					Near Tokyo city	
		F	2 57 56—						
234	" 23	P	13 14 29.5				860	NW. sea off Titizima.	
		S	13 16 03.5						
		F	13 21 22—						
235	" 24	eP	1 53 15.8				305	SE. sea off Katuura in Tiba pref.	
		S	1 53 56.9						
		F	1 57 16—						
236	" 24	P	15 57 15.0				967	SE. sea off Izu Oosima.	
		S	15 58 59.7						
		F	16 03 22—						
237	" 24	e	22 20 14.9					Epicentre unknown.	
		F	22 24 20—						
238	" 25	e	11 31 16.2					Sea off Sioya cape.	
		F	11 34 03—						
239	" 25	eP	17 00 02.2				210	Epicentre unknown.	
		S	17 00 30.5						
		F	17 02 40—						
240	" 26	e	5 21 26.3					Near Kasima in Ibaraki pref.	
		F	5 25 12—						
241	" 26	eP	6 40 14.5				763	ENE. sea off Kinkwazan.	
		S	6 41 37.8						
		F	6 46 11—						
242	" 27	eP	16 30 26.1				680	E. sea off Sioya cape.	
		S	16 31 40.3						
		F	16 35 10—						
243	" 27	P	20 48 40.9				271	Near Inbanuma in Tiba pref.	
		S	20 49 17.4						
		ME	20 49 36.4	1.6		+9			
		MN	20 49 53.8	1.4		+9			
		F	20 54 08—						





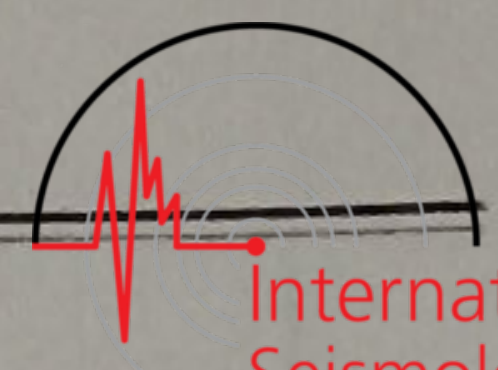
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
244	July 28	eP	14	11	15.5					680	SSE. sea off Hatizyozima.
		S	14	12	29.7						
		F	14	16	28—						
245	" 28	eP	17	20	35.3						SE. sea off Etorohu Is.
		S	17	21	39.0						
		F	Covered								
246	" 28	eP	17	23	45.1					594	Epicentre unknown.
		S	17	24	50.5						
		F	17	28	42—						
247	" 29	P	22	15	32.8					9746	A distant shock
		L	22	26	19.6						
		F	22	54	41—						
248	" 30	P	12	24	27.7					109	S. foot of Mt. Koma in Yamanasi pref.
		S	12	24	42.3						
		ME	12	24	44.5	1.4	+18				
		MN	12	24	54.5	1.6		-18			
		Mz	12	25	04.4	1.4			+8		
		F	12	31	16—						
249	" 30	P	23	16	55.9					338	ϕ141.1°E, λ36.4°N. In the Kasima nada. The shock was felt at NE. part of Kwanto district.
		S	23	17	41.4						
		ME	23	17	50.6	1.7	-10				
		MN	23	18	12.5	2.0		+15			
		F	23	24	25—						
250	" 31	eP	18	31	02.0					393	Near lake of Inawasiroko.
		S	18	31	54.9						
		F	18	35	32—						
251	Aug. 1	e	0	59	18.8						In the Kii Straits.
		F	1	01	45—						
252	" 1	eP	6	56	13.0					890	N. part of the Japan sea. (deep focus)
		S	6	57	49.8						
		MN	6	57	56.8	1.9		-9			
		F	7	02	37—						
253	" 1	eP	12	44	15.6					402	ϕ141.9°E, λ37.3°N. ENE. sea off Sioya cape.
		S	12	45	09.7						
		ME	12	45	22.0	2.0	±16				
		MN	12	45	41.1	2.0		±16			
		F	12	53	44—						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
254	Aug. 3	eP	h m s 17 23 22.9	s	$\mu$	$\mu$	$\mu$	km. 439	ENE. sea off Sioya cape.
		S	17 24 22.1						
		Mz	17 24 53.2		1.5		+29		
		ME	17 24 58.0		1.7	-65			
		MN	17 25 01.6		1.7		+74		
		F	17 29 37—						
255	" 3	eP	20 49 21.9					441	Ditto.
		S	20 50 21.3						
		F	20 53 44—						
256	" 4	P	2 02 11.4					78	W. part of Sizuoka pref.
		S	2 02 21.9						
		F	2 03 31—						
257	" 4	P	19 49 22.4					265	♁140.0°E, λ36.0°N. Near Mikkaido in Ibaraki pref. The shock was felt all most Kwanto district.
		S	19 49 58.1						
		ME	19 50 10.8		1.3	+30			
		MN <sub>1</sub>	19 50 12.6		1.4		+37		
		MS <sub>2</sub>	19 50 17.0		1.4		-38		
		Mz	19 50 19.0		1.6		±16		
258	" 6	eP	15 44 18.4					550	S. part of the Kasima nada.
		S	15 45 19.8						
		F	15 48 42—						
259	" 6	e	15 55 09.5						Sea off the bay of Tanabe in Wakayama pref.
		F	15 56 26—						
260	" 6	eP	23 05 18.8					283	Near Takada.
		S	23 05 57.0						
		F	23 08 26—						
261	" 9	eP	17 30 01.7					175	Near Miyake Is.
		eS	17 30 25.2						
		F	17 32 16—						
262	" 10	eP	19 36 36.5					1120	SE. sea off Kusiro.
		S	19 38 36.7						
		F	19 42 40—						
263	" 11	eP	7 03 47.4					55	Near Nagoya city.
		S	7 03 54.8						
		F	7 05 19—						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km	
264	Aug. 12	eP	7 33 15.5					710	ESE. sea off Sioya cape
		S	7 34 33.5						
		F	7 39 47-						
265	" 13	P	15 58 45.1					318	139.9°E, 36.3°N. Near Yuuki in Ibaraki pref. The shock was felt all most Kwanto district.
		S	15 59 27.9						
		MN	15 59 35.6	1.7		+50			
		ME	15 59 47.7	1.7	-39				
		Mz	15 59 53.7	1.7		-21			
		F	16 07 18-						
266	" 14	eP	0 20 11.4					672	Near Numazawa in Hukusima pref.
		S	0 21 24.6						
		F	0 24 34-						
267	" 15	eP	19 58 50.2					85	Near the city of Nagoya.
		S	19 59 01.6						
		F	20 00 05-						
268	" 16	P	13 35 20.8					13147	A distant earthquake.
		L	13 48 18.7						
		MN	13 53 22.4	17.0		+151			
		Mz	13 54 36.1	13.7		+234			
		ME	13 54 46.6	12.8	+194				
		F	14 18 30-						
269	" 16	P	22 53 08.5					1689	Near Etorohu Is.
		eS	22 56 03.4						
		F	23 03 31-						
270	" 17	P	10 48 27.0					1142	147.6°E, 43.7°N. ENE. sea off Otiisi cape. Focal depth about 100Km. Felt at places in SE. part of Hokkaido NE. part of Tohoku and a part of Kwanto districts.
		S	10 50 29.2						
		MN	10 51 10.5	2.3		+12			
		ME	10 51 12.5	2.4	+12				
		F	11 00 41-						
271	" 18	e	18 38 58.2						A distant shock.
		F	18 53 17-						
272	" 19	eP	4 08 42.0					1967	Near Amami Oosima.
		S	4 12 01.8						
		F	4 29 36-						





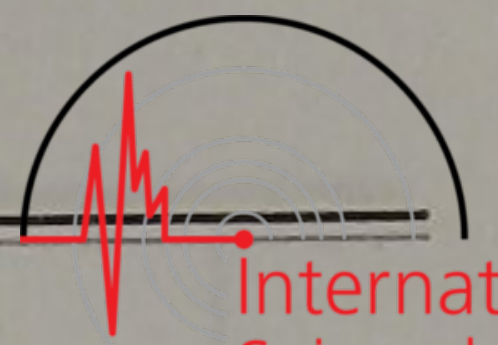
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentro- distance	Remarks
					AE	AN	Az		
273	Aug. 19	eP	h m s 7 14 06.4		μ	μ	μ	354	140.5°E, 36.4°N. Near the city of Mito Felt in the greater part of Kwanto district.
		S	7 14 54.0						
		ME	7 15 04.0	1.6	-20				
		MN	7 15 12.2	1.8		+23			
		Mz	7 15 16.6	1.4			+9		
		F	7 22 41-						
274	" 20	e	17 38 23.5					A distant shock	
		F	17 45 29-						
275	" 20	P	21 03 47.8				17	Near the city of Nagoya.	
		S	21 03 50.1						
		ME	21 03 50.2	0.1<	+18				
		MN	21 03 50.2	0.1<		-9			
		F	21 05 06-						
276	" 21	e	3 34 10.9					Near Mt. Tukuba.	
		F	3 35 38-						
277	" 21	P	7 26 02.0				320	140.1°E, 35.8°N. Near Husa in Tiba pref. Felt in the greater part of Kwanto district.	
		S	7 26 45.1						
		Mz	7 26 50.5	1.5					-16
		ME	7 26 51.2	1.6	±23				
		MN	7 27 06.3	1.7		+43			
		F	7 33 14-						
278	" 22	e	14 38 38.1					Sea off Sioya cape.	
		F	14 41 01-						
279	" 25	P	Covered					Near Batavia.	
		S	10 37 29.6						
		F	10 51 03-						
280	" 30	eP	0 27 57.3				2810	In the China Southern sea.	
		L?	0 32 26.4						
		F	1 06 39-						
281	" 30	e	1 38 11.9					SE. sea off Nakanosima in Kagosima pref.	
		F	1 43 32-						
282	" 30	eP	2 52 28.7				357	N. sea off Tyosi.	
		S?	2 53 16.8						
		F	2 57 36-						
283	" 30	e	20 56 34.7					A distant shock.	
		F	21 20 41-						





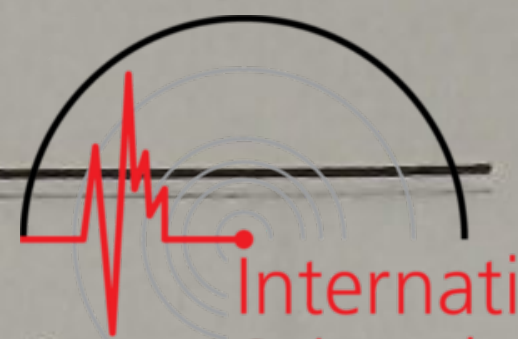
No.	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
284	Aug. 31	ip	19 47 06.5		$\mu$ E	$\mu$ S	+2.4	71	Near Siratori in Gihu pref.
		S	19 47 16.0						
		MN	19 47 22.7	1.0		-21			
		ME	19 47 27.1	0.9	+29				
		Mz	19 47 28.9	0.9			+10		
		F	19 52 20—						
285	Sept. 1	e	10 57 29.4						A distant shock
		F	11 01 34—						
286	" 1	P	19 57 01.5					270	Near Mikkaido in Ibaraki pref.
		S	19 57 37.9						
		MN	19 57 55.0	1.4		+12			
		ME	19 57 56.1	1.4	+12				
		F	20 01 15—						
287	" 4	P	8 59 11.1					300	141 0°E, 36.4°N. In the Kasima nada. The shock felt in the greater part of Kwanto, SE. part of Tohoku and a part of Tyubu districts.
		S	8 59 51.5						
		Mz	9 00 24.8	1.7			+40		
		ME	9 00 26.2	1.7	+120				
		MN	9 00 29.8	1.7		+130			
		F	9 08 48—						
288	" 7	eP	5 49 04.6					1345	Near Etorohu Is.
		S	5 51 27.1						
		F	5 59 36—						
289	" 7	e	11 00 58.8						A distant shock.
		F	11 08 30—						
290	" 7	P	13 07 29.0					2830	121 7°E, 23.9°N. Near Karenko. The shock was felt all over Taiwan.
		L	13 11 59.3						
		F	13 45 47—						
291	" 7	e	14 25 23.4						Central part of the Kasima nada.
		F	14 27 45—						
292	" 7	e	14 49 26.8						Epicentre unknown.
		F	14 51 39—						
293	" 7	P	Covered						Near Karenko in Taiwan.
		S	22 06 21.2						
		F	22 15 57—						
294	" 8	e	14 27 28.3						Ditto.
		F	14 30 48—						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks		
					AE	AN	AZ				
295	Sept. 9	eP	h m s 15 14 50.0		μ	μ	μ	101	Near Wakayama city.		
		S	15 15 03.6								
		F	15 16 49—								
296	" 10	eP	0 01 33.8					202	Near Yookaitiba in Tiba pref.		
		S	0 02 01.0								
		F	0 04 0—								
297	" 10	P	14 21 18.6					356	ϕ132.4°E, ρ33.7°N. In the bay of Iyo. The shock felt in the greater parts of Tyugoku and Sikoku districts.		
		S	14 22 06.6								
		ME	14 22 24.0							2.3	-19
		MN	14 22 42.7							2.3	-31
		F	14 27 30—								
298	" 12	eP	2 21 39.2					740	ϕ142.8°E, ρ39 0°N. ESE. sea off Kamaisi. The shock was felt in E. part of Tohoku district.		
		S	2 22 59.8								
		MN	2 23 39.0							3.2	+44
		ME	2 23 39.0							3.2	-36
		F	2 32 36—								
299	" 12	eP	4 42 59.5					770	Ditto.		
		S	4 44 23.0								
		MN	4 44 57.2							2.9	-37
		ME	4 44 59.8							2.8	-36
		F	4 52 45—								
300	" 12	eP	12 49 07.5					790	ENE. sea off Miyako.		
		S	12 50 33.1								
		F	12 54 49—								
301	" 12	eP	14 25 13.2					319	ϕ141.1°E, ρ36 4°N. In the Kasima nada.		
		S	14 25 56.1								
		Mz	14 26 22.6							1.9	+18
		MN	14 26 23.3							2.1	+49
		ME	14 26 46.6							2.1	-32
		F	14 34 37—								
302	" 14	eP	12 14 31.1					940	SE. sea off Miyako.		
		S	12 16 13.2								
		F	12 21 38—								
303	" 14	eP	22 20 12.3					760	E. sea off Miyako.		
		S	22 21 34.9								
		F	22 26 27—								





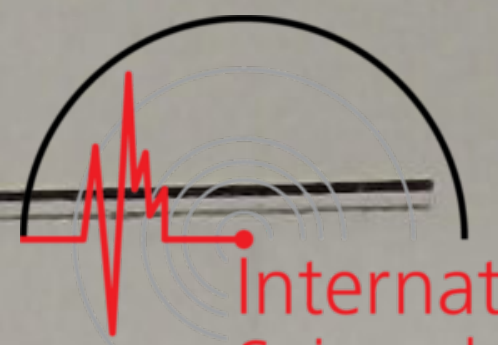
NoN	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks				
					AE	AN	Az						
			h m s	s	μ	μ	μ	km.					
304	Sept. 16	P	0 07 12.6					85	The lower course of the river Yasu in Siga pref.				
		iS	0 07 24.1										
		F	0 10 27—										
305	" 17	eP	10 25 22.3					610	Epicentre unknown.				
		S	10 26 28.9										
		F	10 30 45—										
306	" 17	eP	23 11 13.2					194	Sea off the mouth of the river Kuzuryu in Hukui pref.				
		S	23 11 39.3										
		F	23 14 43—										
307	" 18	eP	7 51 04.7					550	In the Kasima nada.				
		eS	7 52 05.3										
		F	7 55 33—										
308	" 18	eP	10 33 17.5					1600	Near Etorohu Is.				
		S	10 36 03.1										
		F	10 43 37—										
309	" 20	eP	2 43 25.8					97	Near Hunazu in Yamanasi pref.				
		S	2 43 38.8										
		F	2 44 48—										
310	" 20	e	10 23 27.5						Sea off Kinkwazan.				
		F	10 25 24—										
311	" 21	P	16 50 06.5					867	Sea off Titizima Is.				
		S	16 51 41.2										
		F	16 58 53—										
312	" 21	iP	20 38 15.5					815	Ditto.				
		S	20 39 44.0										
		ME	20 39 45.6							3.0	+45	+2.7	+4.8
		MN	20 39 55.1							2.8	+17		+35
		F	20 49 20—										
313	" 21	eP	21 20 06.0					289	In the Kasima nada.				
		S	21 20 45.0										
		F	21 22 53—										





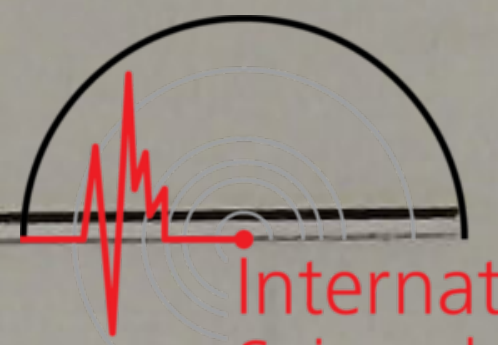
No	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks	
					AE	AN	Az			
314	Sept. 22	iP	h m s 3 52 57.2	s	$\mu$ +9.0	$\mu$ -8.9	$\mu$ +11.1	km. 376	ϕ141.1°E, λ36.6 N. In the Kasima nada. The shock felt at places over Kwanto greater part of Tohoku, Tyabu a part of Kinki districts and Hokkaido.	
		S	3 53 47.8							
		Mz	3 54 02.2		2.6		-1600			
		MN	3 54 17.5		2.6		-4200			
		ME	3 54 19.7		2.6	+2800				
		F	4 16 38—							
315	" 22	eP	7 07 37.2				330	An after shock.		
		S	7 08 21.6							
		F	7 10 36—							
316	" 23	eP	5 02 47.1				55	Near the city of Nagoya.		
		S	5 02 54.5							
		F	5 03 58—							
317	" 23	e	10 54 48.2					Sea off Amami Oosima.		
		F	10 57 56—							
318	" 24	eP	19 28 08.1				588?	In the Kasima nada.		
		S	19 29 12.9							
		F	19 32 54—							
319	" 25	eP	13 54 14.7				302	Ditto.		
		S	13 54 55.3							
		F	13 58 31—							
320	" 25	eP	17 06 19.5				241	Near Kasumigaura.		
		S	17 06 51.9							
		F	17 09 29—							
321	" 26	e	5 23 31.0					Mt. Asama.		
		F	5 26 30—							
322	" 29	eP	1 27 24.2				51	Near the bay of Tanabe in Wakayama pref.		
		S	1 27 31.1							
		F	1 29 02—							
323	" 29	eP	3 22 49.5				5868	A distant shock.		
		S	3 30 18.7							
		F	3 48 43—							
324	" 29	P	6 35 15.5				350	ESE. sea off Sioya cape.		
		S	6 36 02.6							
		F	6 38 33—							





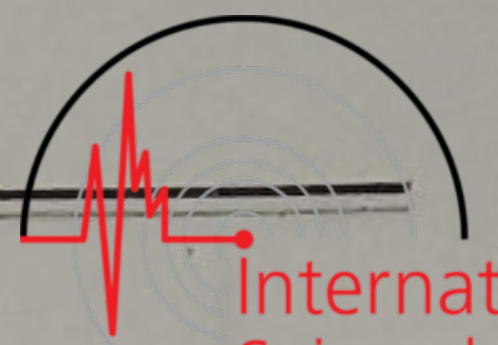
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre- distance km.	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ		
325	Sept. 29	e	13	27	27.6						Sea off Sioya cape.
		F	13	31	04—						
326	" 30	eP	23	19	54.2					56	Neighborhood the bay of Tanabe in Wakayama pref.
		S	23	20	01.7						
		F	23	21	37—						
327	Oct. 1	e	13	05	45.6						N. sea off Sata cape in Ehime pref.
		F	13	09	42—						
328	" 1	eP	16	36	09.3					386	In the Kasima nada.
		S	16	37	01.3						
		F	16	40	45—						
329	" 3	e	18	08	40.0						Ditto.
		F	18	10	35—						
330	" 4	eP	2	11	59.6					393	Ditto.
		S	2	12	52.5						
		F	2	15	35—						
331	" 4	eP	12	03	13.2					147	Near Isurugi in Toyama pref.
		S	12	03	33.0						
		Mz	12	03	56.9	2.0			+6		
		ME	12	03	58.7	2.0	+23				
		MN	12	04	01.5	2.1		-22			
		F	12	08	45—						
332	" 4	e	14	04	40.0						E. sea off Sioya cape.
		F	14	16	32—						
333	" 4	eP	15	48	36.8					560	Ditto.
		S	15	49	39.2						
		F	15	53	26—						
334	" 4	eP	15	55	48.0					590	Ditto.
		S	15	56	52.7						
		MN	15	57	26.5	2.7		+13			
		ME	15	57	27.4	2.4	-12				
		F	16	01	33—						
335	" 5	e	20	46	19.2						S. part of the Kasima nada.
		F	20	48	28—						





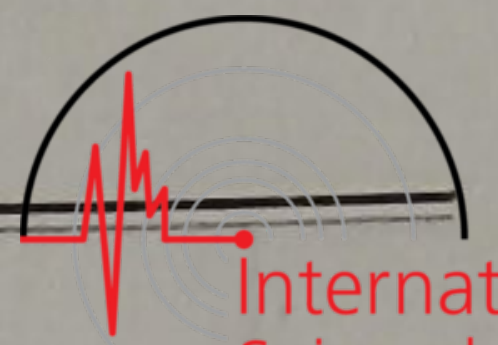
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre- distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
336	Oct. 6	P	1	35	25.0					274	WNW. sea off Hatizyo Is.
		iS	1	36	01.9						
		ME	1	36	12.2	2.7	- 5				
		MN	1	36	13.1	2.9		+10			
		F	1	42	56-						
337	" 6	e	14	10	54.3						E. sea off Hatinohe.
		F	14	14	28-						
338	" 7	e	9	58	40.8						A distant shock.
		F	10	06	28-						
339	" 8	e	1	31	49.1						Ditto.
		F	1	36	47-						
340	" 8	e	17	18	55.7						Near the bay of Saeki in Ooita pref.
		F	17	22	43-						
341	" 8	eP	19	11	26.3					272	Near Simozuma in Ibaraki pref.
		S	19	12	03.0						
		F	19	14	01.0						
342	" 11	eP	2	59	37.1					63	Near the city of Nagoya
		S	2	59	45.6						
		F	3	00	39-						
343	" 11	eP	5	54	49.8					3640	A distant earthquake.
		iP	5	54	52.7						
		S	6	00	15.3						
		L	6	02	39.5						
		F	6	27	05-						
344	" 11	eP	9	13	58.4					378	Near Nagano city.
		S	9	14	49.4						
		F	9	22	42-						
345	" 12	eP	2	26	27.1					390	Central part of the Kasima nada.
		S	2	27	19.6						
		F	2	30	46-						
346	" 12	eP	9	36	30.2					970	♁144.3°E, ♁39.8°N. E. sea off Miyako. The shock felt at places in N. half of Tohoku and SE. part of Hokkaido.
		iP	9	36	40.0						
		iS	9	38	15.4						
		ME	9	38	49.7	3.8	-283				
		MN	9	38	51.0	3.9		±389			
		Mz	9	39	03.0	3.8			-60		
F	10	11	00-								





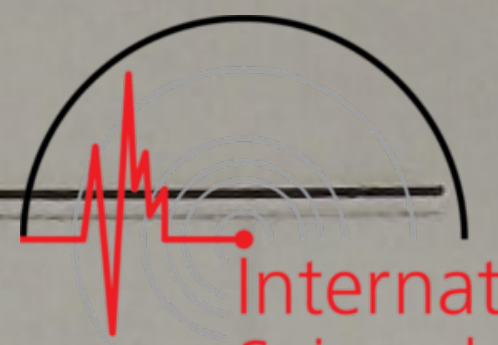
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
347	Oct. 12	eP	10 15 23.2					970	E. sea off Miyako.
		S	10 17 08.2						
		MN <sub>1</sub>	10 17 49.2	3.3		-19			
		MN <sub>2</sub>	10 17 54.5	3.3		+19			
		ME	10 17 57.4	3.1	±16				
		F	10 24 00-						
348	" 12	eP	12 13 17.8				990	Ditto.	
		S	12 15 05.1						
		F	12 21 50-						
349	" 12	eP	16 58 13.0				184	Near Hinomisaki in Wakayama pref.	
		S	16 58 37.8						
		F	17 02 07-						
350	" 13	eP	0 17 30.1				164	Near Wakayama city.	
		iS	0 17 52.2						
		F	0 21 12-						
351	" 13	e	16 35 31.1					NE sea off Miyako	
		F	16 39 29-						
352	" 13	eP	19 10 59.7				670	NE. sea off Siويا cape.	
		S	19 12 12.4						
		F	19 16 30-						
353	" 13	eP	23 32 30.3				9	Near Gihu city.	
		iS	23 32 31.5						
		F	23 33 55-						
354	" 14	e	0 30 22.1					Near Karenko in Taiwan.	
		F	0 39 23-						
355	" 14	eP	15 41 06.3				860	E. sea off Hatinohe.	
		S	15 42 39.3						
		F	15 47 31-						
356	" 15	e	12 39 46.2					Near Gobo in Wakayama pref.	
		F	12 41 46-						
357	" 15	e	13 09 11.1					In the Kasima nada.	
		F	13 10 30-						
358	" 17	eP	13 37 03.0				237	Near Simozuma in Ibaraki pref.	
		S	13 37 34.9						
		F	13 39 08-						





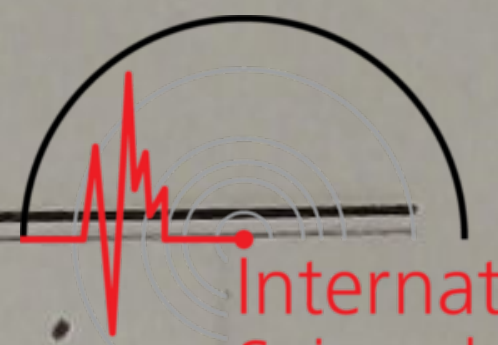
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentro- distance	Remarks
					AF	AN	Az		
			h m s	s	μ	μ	μ	km.	
359	Oct 18	eP	0 29 12.6					970	140.0°E, 44.4°N. N. part of the Japan sea. Focal depth about 200Km. The shock felt at places in SE. part of Hokkaido and NE. part of Tohoku districts.
		iS	0 30 57.8						
		MN	0 31 02.7	3.1		+49			
		Mz	0 31 04.3	3.0			±8		
		ME	0 31 18.1	3.0	+39				
		F	0 38 26—						
360	" 18	eP	16 41 15.2				79	W. part of Sizuoka pref.	
		iS	16 41 25.9						
		F	16 42 35—						
361	" 18	eP	17 04 22.2				327	Near Edozaki in Ibaraki pref.	
		S	17 05 06.2						
		F	17 07 10—						
362	" 19	eP	9 20 26.9				940	E. sea off Hatinohé.	
		S	9 22 09.0						
		F	9 28 17—						
363	" 19	eP	12 40 44.7				59	Near the city of Nagoya.	
		S	12 40 52.7						
		F	12 41 31—						
364	" 19	eP	13 20 36.6					A distant shock.	
		L	13 34 48.9 ?						
		F	13 49 23—						
365	" 20	P	5 56 54.3				49	Near Horado in Gihu pref.	
		iS	5 57 00.9						
		F	5 58 26—						
366	" 20	P	6 15 00.7				50	Ditto.	
		iS	6 15 07.5						
		F	6 16 25—						
367	" 20	eP	8 36 45.1				21	Ditto.	
		S	8 36 47.9						
		F	8 37 33—						
368	" 20	eP	8 52 57.8				21	Ditto.	
		S	8 53 00.6						
		F	8 54 04—						
369	" 20	eP	11 08 43.5				55	Ditto.	
		S	11 08 50.9						
		F	11 10 17—						





NoN	Date	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre distance km.	Remarks
							AE	AN	AZ		
			h	m	s	s	μ	μ	μ		
370	Oct. 20	P	11	27	47.2					4885	A distant earthquake.
		iS	11	34	23.1						
		ME	11	34	32.1	4.5	+31				
		MN	11	34	38.1	4.0		+50			
		F	11	53	33—						
371	" 21	P	15	48	31.7					1060	Near Uladivostok.
		iS	15	50	25.4						
		ME	15	50	44.5	2.8	-23				
		MN	15	50	45.3	2.6		-20			
		F	16	02	03—						
372	" 22	eP	1	28	04.9					45	Near Nagoya city.
		S	1	28	11.0						
		F	1	29	10—						
373	" 23	e	21	25	17.0						In the Kasima nada.
		F	21	28	09—						
374	" 24	eP	5	47	47.0					47	Near Iida city.
		S	5	47	53.3						
		F	5	48	57—						
375	" 24	eP	21	26	36.7					45	Near Nagoya city.
		S	21	26	42.7						
		F	21	27	29—						
376	" 25	e	1	33	12.2						E. sea off Izu Niizima.
		F	1	34	22—						
377	" 25	P	9	33	42.0					30	Near Kuwana city.
		iS	9	33	46.0						
		F	9	35	44—						
378	" 26	eP	9	11	48.6					272	Near Mt. Tukuba.
		S	9	12	25.3						
		F	Covered								
379	" 26	eP	9	13	46.9					250	Ditto.
		S	9	14	20.6						
		F	9	16	10—						
380	" 27	e	1	58	08.2						SW. sea off Amami Oosima.
		F	2	00	59—						





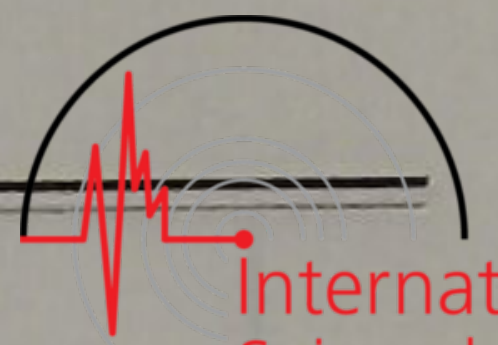
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentro- distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
381	Oct 29	eP	15	31	58.8					266	Near Inbanuma in Tiba pref.
		S	15	32	34.6						
		F	15	34	57—						
382	" 29	eP	17	22	07.4					600	In the Kasima nada.
		S	17	23	13.2						
		F	17	26	55—						
383	" 29	iP	22	09	20.5		-10.8			408	ϕ141.0°E, λ35.4°N. SE. sea off Inubo cape. The shock felt at places greater part of Kwanto SE. part of Tyubu and a part of Tohoku districts.
		S	22	10	15.5						
		Mz	22	10	30.6	2.4			--600		
		MN	22	11	03.3	2.2		+1000			
		ME	22	11	03.6	2.4	±600				
		F	22	26	58—						
384	" 29	e	22	46	31.9						An after shock of No. 383.
		F	22	49	05—						
385	" 29	P	23	12	47.0					420	Ditto.
		S	23	13	43.6						
		MN	23	13	59.0	1.9		+27			
		ME	23	14	00.1	1.5	-12				
		F	23	18	46—						
386	" 29	eP	23	53	12.9					390	Ditto.
		S	23	54	05.5						
		F	23	56	57—						
387	" 30	P	0	38	53.5					385	Ditto.
		S	0	39	45.4						
		MN	0	40	05.8	2.9		-28			
		ME	0	40	06.0	2.5	+27				
		F	0	47	56—						
388	" 30	eP	3	29	45.6					384	In the Kasima nada.
		eS	3	30	37.4						
		F	3	33	48—						
389	" 30	eP	6	30	43.5					391	Sea off Inubo cape
		S	6	31	22.7						
		F	6	34	0—						
390	" 30	e	8	01	38.8						A distant shock.
		F	8	06	53—						





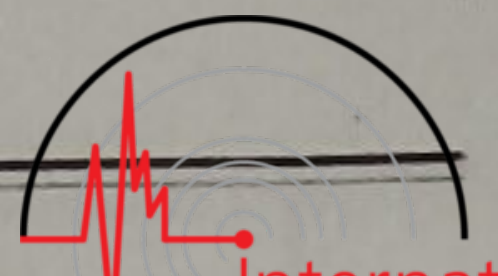
No	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
391	Oct. 30	eP	14 52 36.2					540	Epicentre unknown.
		eS	14 53 36.5						
		F	14 56 50 -						
392	" 31	eP	2 58 34.9					102	Near Miyazu.
		S	2 58 48.7						
		F	3 00 07 -						
393	" 31	eP	21 31 42.8					31	Near Toyotomi in Aiti pref.
		S	21 31 47.0						
		F	21 32 56 -						
394	Nov. 2	eP	1 03 47.3					183	Near Hinomisaki in Wakayama pref.
		S	1 04 11.9						
		F	1 06 05 -						
395	" 2	eP	6 06 14.1					190	The mouth of the river Arita in Wakayama pref.
		S	6 06 39.6						
		F	6 08 56 -						
396	" 2	eP	12 45 02.3					208	Near Matudo in sajtama pref.
		S	12 45 30.3						
		F	12 47 03 -						
397	" 3	eP	13 56 27.1					430	Sea off Sioya cape.
		S	13 57 25.0						
		F	13 59 44 -						
398	" 5	eP	12 58 38.7					245	Near Wazima
		S	12 59 11.7						
		F	13 00 54 -						
399	" 5	iP	17 44 28.5		-13.5			560	141.7°E, 37.1°N. E. sea off Hokusima pref. A violent earthquake shock. Strong shock were felt at Hokusima, Miyagi, Ibaraki pref. Slight shock over E. Japan. To losed life 1, wounded 9, demaged houses 49.
		S	17 45 30.0						
		MN	17 45 46.4	2.6		±6000			
		Mz	17 45 46.4	2.5		± 4000			
		ME	17 45 46.6	2.6	-15000				
		F	Covered						
400	" 5	eP	18 03 34.2					600	An after shock No. 399.
		S	18 04 39.8						
		F	Covered						
401	" 5	eP	18 30 20.9					570	Ditto.
		S	18 31 23.9						
		F	Covered						





No	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
402	Nov. 5	e F	18 54 32.5 18 57 02—					—	E. sea off Hukusima pref.
403	" 5	Pz Sz Mz MN F	19 09 32.8 19 10 33.8 19 10 38.4 19 10 43.8 Covered	2.7 2.1		—45		550	Ditto.
404	" 5	eP eS F	19 17 00.3 19 18 01.5 Covered					550	Ditto.
405	" 5	iP Sz ME MN F	19 51 23.4 19 52 25.5 19 52 58.7 19 53 01.2 Covered	2.6 2.7	—27.1	—6.2	+1.6	560	Ditto. The strong shock were felt at Hukusima and Miyagi pref.
406	" 5	eP eS F	19 57 24.3 19 57 19.2 Covered					408	E. sea off Hukusima pref.
407	" 5	P S ME MN F	Covered 20 12 04.2 20 12 23.3 20 12 27.7 Covered	2.8 3.0	+36		+53	?	Ditto.
408	" 5	P S ME MN F	Covered 20 14 36.5 20 14 41.9 20 14 52.6 Covered	2.6 2.6	—45		+35	?	Ditto.
409	" 5	P S MN ME F	Covered 20 16 28.0 20 16 56.8 20 17 02.8 Covered	2.5 2.6			+45 —41	—	Ditto.
410	" 5	P S F	Covered 20 20 37.5 20 24 17—					?	Ditto.





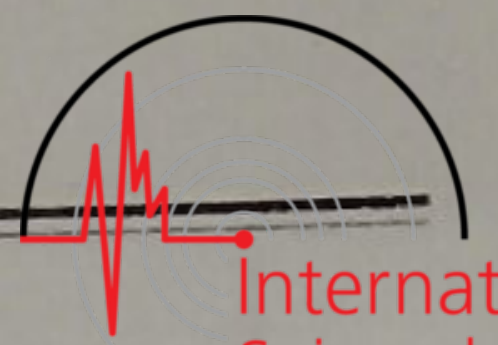
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
411	Nov. 5	eP	20 26 15.9					600	E. sea off Hukusima pref.
		S	20 27 22.0						
		F	20 30 16—						
412	" 5	eP	20 31 59.3					690	Ditto.
		S	20 33 15.6						
		F	20 36 16						
413	" 5	eP	20 38 16.4					630	Ditto.
		S	20 39 25.2						
		F	Covered						
414	" 5	eP	20 42 57.2					640	Ditto.
		S	20 44 06.8						
		F	Covered						
415	" 5	eP	20 45 42.3					780	Ditto.
		S	20 47 07.6						
		F	Covered						
416	" 5	eP	20 49 15.6					600	Ditto
		S	20 50 21.7						
		F	20 53 00—						
417	" 5	eP	20 58 49.5					670	Ditto
		S	21 00 02.4						
		F	21 02 09—						
418	" 5	eP	21 22 43.4					580	Ditto.
		S	21 23 47.1						
		F	21 27 31—						
419	" 5	eP	21 42 14.0					570	Ditto.
		S	21 43 17.1						
		F	21 45 19—						
420	" 5	eP	21 49 35.5					550	Ditto.
		S	21 50 36.5						
		F	21 53 11—						
421	" 5	eP	22 00 21.1					442	Ditto.
		S	22 01 20.6						
		F	22 05 23—						





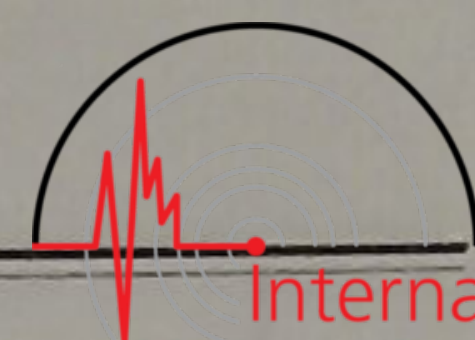
No	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
422	Nov. 5	eP	22 18 08.0					560	E sea off Hukusima pref.
		S	22 19 09.9						
		F	Covered						
423	" 5	eP	22 20 45.0					600	Ditto.
		S	22 21 51.0						
		F	22 24 43-						
424	" 5	eP	22 28 56.6					407	Ditto
		S	22 29 51.4						
		F	22 31 56-						
425	" 5	eP	23 02 29.6					610	Ditto.
		S	23 03 36.8						
		F	23 06 39-						
426	" 5	e	23 08 51.4						Ditto.
		F	23 10 45-						
427	" 5	e	23 23 46.2						Ditto.
		F	23 25 45-						
428	" 5	eP	23 43 42.4					426	Ditto.
		eS	23 44 39.8						
		F	23 47 24-						
429	" 5	eP	23 53 19.5					560	Ditto.
		S	23 54 21.5						
		F	Covered						
430	" 5	P	Covered						Ditto
		S	23 55 54.3						
		ME	23 56 01.8	2.5	+24				
		MN	23 56 12.2	2.5		+18			
		F	23 59 48-						
431	" 6	e	0 10 17.3						Ditto.
		F	0 12 32-						
432	" 6	eP	0 15 33.1					570	Ditto.
		S	0 16 36.4						
		ME	0 16 39.6	2.6	+16				
		F	0 19 46-						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
433	Nov. 6	eP	0 53 38.3					500	E. sea off Hukusima pref
		S	0 54 43.6						
		F	0 57 23-						
434	" 6	eP	1 01 10.9					540	Ditto.
		S	1 02 11.1						
		F	1 04 48-						
435	" 6	e	1 19 15.2					430	Ditto.
		F	1 20 53-						
436	" 6	eP	2 24 36.8					430	Ditto.
		S	2 25 34.8						
		ME	2 25 45.3	2.7	+18				
		MN	2 25 46.9	2.3		+12			
		F	2 28 35-						
437	" 6	eP	2 33 52.8					540	Ditto.
		S	2 34 52.8						
		F	2 36 50-						
438	" 6	eP	2 54 51.3					570	Ditto.
		S	2 55 54.0						
		F	2 57 26-						
439	" 6	eP	3 10 57.2					550	Ditto.
		S	3 11 57.9						
		ME	3 12 00.5	2.5	+18				
		MN	3 12 18.7	2.6		-18			
		F	Covered						
440	" 6	P	Covered					560	Ditto.
		S	3 14 20.4						
		F	3 16 14-						
441	" 6	eP	3 59 26.6					560	Ditto.
		S	4 00 28.2						
		ME	4 00 40.7	2.7	+18				
		F	4 03 22-						
442	" 6	eP	5 11 56.6					-	Ditto.
		eS	5 12 37.5						
		F	5 14 50-						





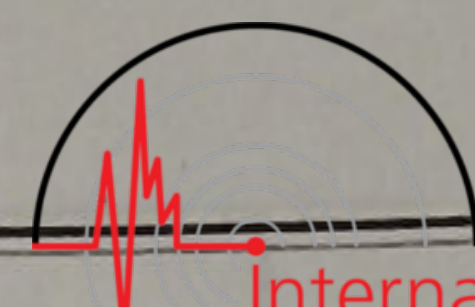
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentro- distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
443	Nov. 6	e	5	29	21.1						E. sea off Hukusima pref.
		F	5	30	36-						
444	" 6	e	5	56	21.9						Ditto.
		F	5	58	09-						
445	" 6	eP	6	11	20.1					432?	Ditto.
		eS	6	12	18.4						
		F	6	14	25-						
446	" 6	P	6	24	46.1					570	Ditto. Moderate shock was felt at Sendai.
		S	6	25	49.0						
		Mz	6	26	04.0	4.4			-70		
		ME <sub>1</sub>	6	26	12.4	2.8	-162				
		ME <sub>2</sub>	6	26	25.5	2.8	-162				
		MN	6	26	35.4	2.8		-133			
		F	Covered								
447	" 6	eP	6	36	12.7					610	E. sea off Hukusima pref.
		S	6	37	19.5						
		F	6	41	28-						
448	" 6	e	6	41	53.1						Ditto.
		F	6	43	32-						
449	" 6	eP	6	56	51.8					570	Ditto.
		S	6	57	54.3						
		F	6	59	44-						
450	" 6	P	7	17	28.1					540	Ditto.
		S	7	18	28.1						
		ME	7	18	57.0	2.3	-36				
		MN	7	19	03.4	2.5		-37			
		F	7	23	41-						
451	" 6	eP	8	11	15.8					620	Ditto.
		S	8	12	23.8						
		F	8	14	40-						
452	" 6	P	8	29	48.4					439	Ditto.
		S	8	30	47.5						
		MN	8	31	13.1	2.5		+72			
		ME	8	31	14.5	2.5	+73				
		Mz	8	31	29.4	2.4			-47		
		F	8	38	21-						





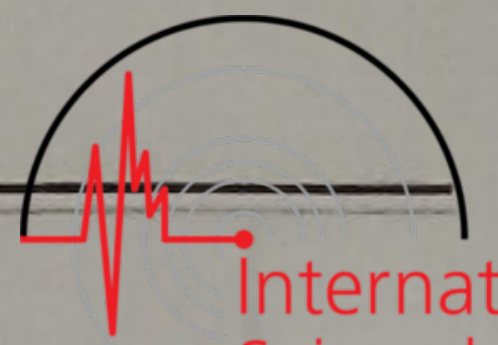
NoN	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre distance km.	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ		
453	Nov. 6	eP	9	38	24.6					434	E. sea off Hukusima pref
		S	9	39	23.1						
		F	9	40	33—						
454	" 6	e	10	14	51.7						Ditto.
		F	10	16	46—						
455	" 6	eP	10	18	35.8					720	Ditto.
		S	10	19	55.1						
		F	10	23	28—						
456	" 6	eP	10	52	08.9					680	Ditto.
		S	10	53	23.5						
		F	10	56	29—						
457	" 6	eP	11	03	18.6					570	Ditto.
		S	11	04	21.5						
		F	11	06	40—						
458	" 6	eP	11	08	30.3					630	Ditto.
		S	11	09	39.2						
		F	11	11	34—						
459	" 6	eP	11	31	20.7					570	Ditto.
		S	11	32	24.1						
		F	11	34	24—						
460	" 6	e	11	41	50.2						Ditto.
		F	11	44	22—						
461	" 6	e	12	05	25.7						Ditto.
		F	12	06	59—						
462	" 6	e	14	04	45.8						Ditto.
		F	14	06	28—						
463	" 6	e	14	09	27.9						Ditto.
		F	14	11	24—						
464	" 6	eP	14	12	18.6					410	Ditto.
		eS	14	13	13.9						
		F	14	14	36—						
465	" 6	e	16	51	58.9						Ditto.
		F	16	53	18—						





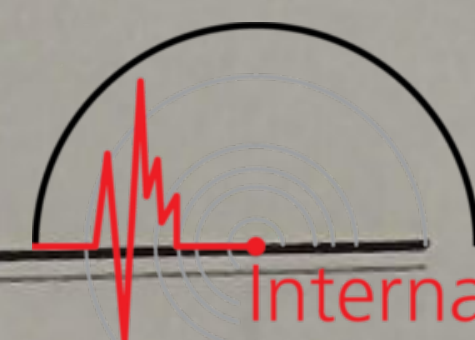
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentro- distance	Remarks
					AN	AS	Az		
			h m s	s	μ	μ	μ	km.	
466	Nov. 6	e	17 08 01.0						E. sea off Hukusima pref.
		F	17 13 —						
467	" 6	iP	17 55 05.6		-144.1	-35.3	+66.5	560	Ditto.
		S	17 56 07.1						Strong shock was felt at Hukusima pref.
		MN	17 56 58.1	2.5		±7000			
		ME	17 57 00.8	2.5	-6500				
		Mz	17 57 00.9	2.5			±450		
		F	Covered						
468	" 6	e	18 14 20.7						E. sea off Hukusima pref.
		F	18 16 18—						
469	" 6	e	18 16 51.9						Ditto.
		F	18 19 13—						
470	" 6	e	18 19 36.9						Ditto.
		F	18 21 50—						
471	" 6	e	18 22 49.9						Ditto.
		F	Covered						
472	" 6	e	18 26 36.8						Ditto.
		F	18 30 00—						
473	" 6	e	18 37 52.7						Ditto.
		F	18 40 40—						
474	" 6	e	18 46 33.8						Ditto.
		F	Covered						
475	" 6	e	18 48 47.3						Ditto.
		F	18 50 54—						
476	" 6	e	18 51 51.0						Ditto.
		F	18 53 49—						
477	" 6	e	19 00 50.5						Ditto.
		F	Covered						
478	" 6	e	19 08 33.5						Ditto.
		F	19 13 54—						
479	" 6	e	19 18 54.1						Ditto.
		F	Covered						





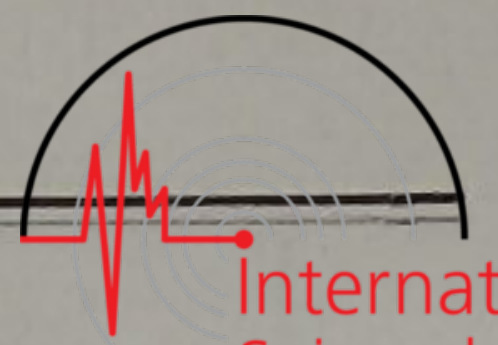
NoN	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
480	Nov. 6	e F	19 25 30.7 Covered						E. sea off Hukusima pref.
481	" 6	eP eS F	19 27 27.2 19 28 29.8 19 39 00-					570	Ditto.
482	" 6	eP S Mz ME MN F	19 46 26.5 19 47 20.8 19 47 48.6 19 47 53.1 19 48 01.9 Covered						Ditto.
				2.8			±32		
				2.5	-36				
				2.6		+62			
483	" 6	e F	19 58 39.9 20 01 52-						Ditto.
484	" 6	e F	20 03 33.8 20 06 23-						Ditto
485	" 6	eP S ME MN F	20 08 31.1 20 09 36.3 20 10 29.2 20 10 59.7 Covered					590	Ditto.
				2.7	+13				
				2.7		±25			
486	" 6	P S F	Covered 20 14 30.8 Covered						Ditto.
487	" 6	eP S F	20 17 56.9 20 18 57.9 Covered					590	Ditto.
488	" 6	eP S F	20 21 22.2 20 22 27.3 Covered					590	Ditto.
489	" 6	eP S ME MN F	20 30 20.3 20 31 13.8 20 31 40.3 20 31 42.4 20 39 54-						Ditto.
				2.2	±14				
				2.3		±22			





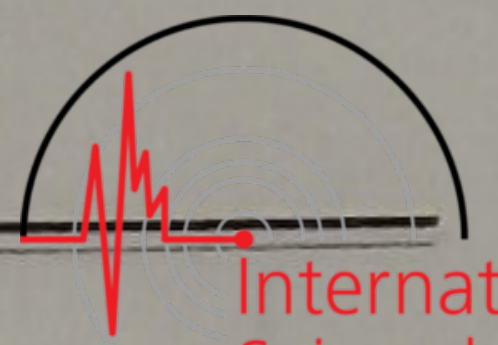
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
490	Nov. 6	eP	21 09 34.3					600	E. sea off Hukusima pref.
		S	21 10 40.3						
		F	21 16 41—						
491	" 6	eP	21 35 00.0						Ditto.
		S	21 35 53.8						
		F	21 39 39—						
492	" 6	eP	21 53 27.0					600	Ditto.
		S	21 54 33.1						
		ME	21 54 39.5	2.2	+18				
		MN	21 54 58.4	2.3		+22			
		F	Covered						
493	" 6	eP	22 02 24.9					415	Ditto.
		S	22 03 20.8						
		ME	22 03 48.7	2.5	-10				
		MN	22 03 53.9	2.4		+9			
		F	22 11 31—						
494	" 6	eP	22 21 29.8					680	Ditto.
		S	22 22 43.7						
		F	Covered						
495	" 6	P	Covered						Ditto.
		S	22 25 23.6						
		F	22 29 52—						
496	" 6	eP	22 32 48.3					640	Ditto.
		S	22 33 58.7						
		F	Covered						
497	" 6	eP	22 40 56.0					820	Ditto.
		S	22 42 25.0						
		Mz	22 43 31.8	2.4		+46			
		ME	22 44 07.5	2.8	±72				
		MN	22 44 10.0	2.8		-164			
		F	22 53 53—						
498	" 6	eP	22 56 49.1					540	Ditto.
		S	22 57 49.2						
		F	Covered						
499	" 6	e	23 01 27.2						Ditto.
		F	Covered						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
500	Nov. 6	eP	23 05 24.2					550	E. sea off Hukusima pref.
		eS	23 06 25.2						
		F	Covered						
501	" 6	P	Covered						Ditto.
		S	23 09 25.3						
		F	23 11 39-						
502	" 6	eP	23 21 56.0				590	Ditto.	
		S	23 23 01.4						
		F	Covered						
503	" 6	eP	23 25 22.0				600	Ditto.	
		S	23 26 28.0						
		F	Covered						
504	" 6	eP	23 28 39.6				580	Ditto.	
		S	23 29 43.5						
		F	23 32 33-						
505	" 6	e	23 34 29.9					Ditto.	
		F	23 36 56-						
506	" 6	eP	23 52 27.0					Ditto.	
		S	23 53 18.3						
		ME	23 53 58.3	3.0	-19				
		MN	23 53 59.3	3.0		+35			
		F	24 01 55-						
507	" 7	eP	0 18 29.1				424	Ditto.	
		eS	0 19 26.2						
		F	0 22 45-						
508	" 7	eP	0 27 56.7				440	Ditto.	
		S	0 28 56.0						
		F	0 34 01-						
509	" 7	eP	1 19 18.5				550	Ditto.	
		S	1 20 19.8						
		MN	1 20 49.4	2.5		+11			
		F	1 24 53-						
510	" 7	eP	1 29 57.1				580	Ditto.	
		S	1 31 00.8						
		F	Covered						





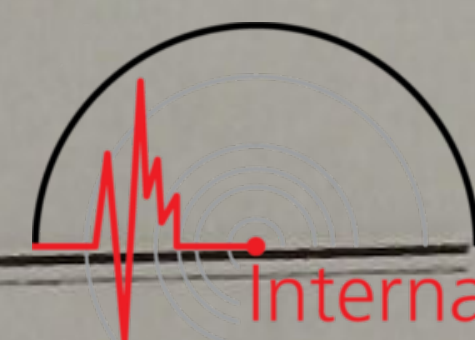
No.	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
511	Nov. 7	P	Covered						E. sea off Hukusima pref.
		S	1 33 44.0						
		F	1 36 47—						
512	" 7	e	1 50 42.3					Ditto.	
		F	1 53 54—						
513	" 7	eP	1 58 40.4				630	Ditto.	
		S	1 59 49.2						
		F	2 02 04—						
514	" 7	eP	2 08 41.2				620	Ditto.	
		S	2 09 49.5						
		F	Covered						
515	" 7	eP	2 12 42.6					Ditto.	
		S	2 13 25.3						
		F	2 16 53—						
516	" 7	P	2 20 28.9				650	Ditto. Moderate shock was felt at Sendai.	
		S	2 21 40.0						
		Mz	2 21 41.4	2.7					-87
		ME <sub>1</sub>	2 21 47.0	2.4	±81				
		MN	2 22 03.2	3.0		-172			
		ME <sub>2</sub>	2 22 08.2	2.5	±81				
		F	Covered						
517	" 7	P	2 30 33.7					Ditto.	
		S?	2 31 25.4						
		Mz	2 31 37.5	2.7					-18
		ME	2 31 37.8	2.6	+23				
		MN	2 31 44.0	2.4		-28			
		F	2 39 42—						
518	" 7	eP	2 50 43.0				540	Ditto.	
		S	2 51 43.0						
		MN	2 52 15.1	2.5		±18			
		ME	2 52 39.9	2.6	±10				
		F	3 00 45—						
519	" 7	eP	3 11 25.5				430	Ditto.	
		S	3 12 23.4						
		F	3 16 52—						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
520	Nov. 7	P	3 21 33.8		$\mu$	$\mu$	$\mu$	600	E. sea off Hukusima pref. Moderate shock was felt at Hukusima.
		S	3 22 39.4						
		ME	3 22 41.6	2.5	+49				
		MN	3 22 41.7	2.7		-108			
		MZ	3 22 51.7	2.2			-22		
		F	3 32 49-						
521	" 7	e	3 42 27.8					E. sea off Hukusima pref.	
		F	3 44 49-						
522	" 7	P	4 21 44.2				432	Ditto.	
		S	4 22 42.5						
		Mz	4 22 45.7	2.3					-24
		ME	4 22 53.8	2.8	$\pm 54$				
		MN	4 22 54.2	2.8		$\pm 88$			
		F	Covered						
523	" 7	e	4 35 42.3					Ditto.	
		F	4 38 44-						
524	" 7	eP	4 45 26.7				600	Ditto.	
		eS	4 46 32.8						
		F	4 48 46-						
		P	Coverd						
525	" 7	S	4 49 55.5					Ditto.	
		F	4 51 53-						
526	" 7	eP	4 55 18.6				620	Ditto.	
		S	4 56 26.5						
		F	5 00 57-						
527	" 7	e	5 06 54.8					Ditto.	
		F	5 10 41-						
528	" 7	eP	5 22 25.8				560	Ditto.	
		S	5 23 27.4						
		F	5 26 52-						
529	" 7	P	6 05 04.4				570	Ditto. Moderate shock was felt at Onahama.	
		Sz	6 06 06.9						
		Mz	6 06 26.4	2.5					-119
		MN	6 06 34.1	2.4		$\pm 250$			
		ME	6 06 36.4	2.3	$\pm 250$				
		F	Covered						





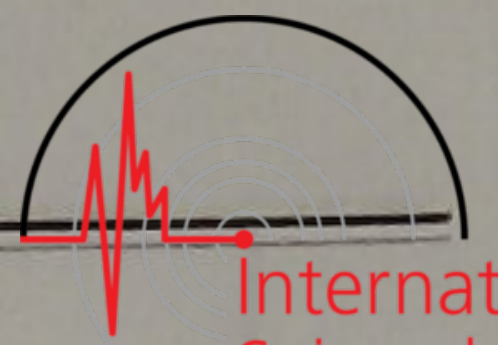
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentro- distance	Remarks
					A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>		
			<sup>h</sup> <sup>m</sup> <sup>s</sup>	<sup>s</sup>	μ	μ	μ	km.	
530	Nov. 7	eP	6 17 34.6					423	E. sea off Hukusima pref.
		eS	6 18 31.6						
		F	Covered						
531	" 7	P	Covered						Ditto.
		S	6 21 37.7						
		F	Covered						
532	" 7	eP	6 23 19.9					406	Ditto.
		S	6 24 14.6						
		ME	6 24 26.6	2.5	+28				
		MN	6 24 27.1	2.6		+16			
		F	Covered						
533	" 7	P	Coverd						Ditto.
		S	6 27 05.9						
		Mz	6 27 25.1	2.0			-17		
		ME	6 27 36.0	2.2	+20				
		MN	6 27 42.4	2.2		+54			
		F	Covered						
534	" 7	P	Covered						Ditto.
		S	6 29 30.4						
		ME	6 30 17.1	2.4	+11				
		MN	6 30 58.0	2.5		+25			
		F	Covered						
535	" 7	P	6 39 58.9					580	Ditto.
		Sz	6 41 03.1						Moderate shock were felt at Hukusima, Miyagi and Ibaraki pref.
		ME <sub>1</sub>	6 41 14.1	2.3	+1600				
		MN	6 41 36.7	2.3		+1500			
		Mz	6 41 42.7	2.2			±1000		
		ME <sub>2</sub>	6 41 43.3	2.3	+1600				
		F	Covered						
536	" 7	e	7 01 11.5						Ditto.
		F	7 03 33—						
537	" 7	e	7 05 22.5						Ditto.
		F	7 07 35—						
538	" 7	eP	7 20 06.0					630	Ditto.
		S	7 20 15.4						
		F	7 27 30—						





NoN	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
539	Nov. 7	e	7 34 00.8						E. sea off Hukusima pref
		F	7 36 58-						
540	" 7	eP	7 40 00.1					439	Ditto.
		S	7 40 59.2						
		ME	7 41 20.5	2.2	+18				
		MN	7 41 28.2	2.2		-27			
		F	7 47 52-						
541	" 7	eP	7 49 46.9					432	Ditto.
		S	7 50 45.1						
		MN	7 51 43.8	2.5		+44			
		ME	7 51 45.7	2.2	-19				
		F	Covered						
542	" 7	eP	7 57 49.8					432	Ditto.
		S	7 58 48.1						
		MN	7 59 22.6	2.2		+27			
		ME	7 59 28.2	2.2	±18				
		F	Covered						
543	" 7	eP	8 08 04.6						Ditto.
		S	8 09 34.0						
		MN	8 10 18.8	2.3		-18			
		F	Covered						
544	" 7	P	Coverd						Ditto.
		S	8 12 42.7						
		F	Coverd						
545	" 7	eP	8 16 38.7					590	Ditto.
		S	8 17 43.9						
		ME	8 17 47.1	2.2	-72				
		MN <sub>1</sub>	8 17 54.2	2.5		-126			
		Mz	8 18 00.9	1.8			+73		
		MN <sub>2</sub>	8 18 10.9	2.5		+141			
		F	8 30 41-						
546	" 7	e	9 01 49.2						Ditto.
		F	9 07 35-						
547	" 7	eP	9 10 19.3					620	Ditto.
		S	9 11 27.3						
		F	9 15 37-						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentro- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
548	Nov. 7	eP	9 18 32.9					429	E. sea off Hukusima pref.
		eS	9 19 30.7						
		F	9 22 39—						
549	" 7	e	9 46 49.6					411	Ditto.
		F	Covered						
550	" 7	ePz	9 49 07.7					411	Ditto. Moderate shock was felt at Onahama.
		Sz	9 50 03.1						
		ME	9 50 15.9	2.6	+126				
		Mz	9 50 17.6	2.4		-138			
		MN	9 50 44.9	2.6		-256			
		F	10 02 42—						
551	" 7	eP	10 11 33.7					550	Sea off Hatizyo Is.
		S	10 12 34.7						
		F	10 18 42—						
552	" 7	e	10 19 37.6					610	E. sea off Hukusima pref.
		F	10 21 53—						
553	" 7	eP	10 35 27.4					640	Ditto.
		S	10 36 37.7						
		F	Covered						
554	" 7	iP	10 39 31.7		-7.2			610	Ditto. Moderate shock were felt at Hukusima and Miyagi pref.
		S	10 40 38.5						
		Mz	10 40 47.1	2.6		-298			
		MN	10 40 50.0	2.3		+900			
		ME	10 42 04.0	2.3	-600				
		F	Covered						
555	" 7	P	Covered					610	E. sea off Hukusima pref.
		Sz	10 47 28.0						
		Mz	10 47 32.0	2.0		+105			
		ME	10 47 57.0	2.4	+93				
		MN	10 48 16.5	2.4		-265			
		F	Covered						
556	" 7	eP	10 54 44.6					610	Ditto. Moderate shock was felt at Kakioka.
		S	10 55 38.0						
		Mz	10 56 45.3	2.0		+174			
		ME	10 56 52.4	2.4	-270				
		MN	10 56 53.3	2.4		+363			
		F	Covered						





NoN	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
557	Nov. 7	P	Covered		μ	μ	μ		E. sea off Hukusima pref.
		S	11 06 31.2						
		ME	11 06 45.5	2.4	+18				
		MN	11 06 48.7	2.3		+18			
		F	Covered						
558	" 7	ePz	11 15 29.0					430	Ditto.
		Sz	11 16 26.9						
		MN	11 17 16.0	2.6		-84			
		ME	11 17 20.0	2.6	+64				
		Mz	11 17 20.4	2.7			+66		
		F	Covered						
559	" 7	eP	11 28 00.6					590	Ditto.
		S	11 29 05.8						
		ME	11 29 39.5	2.6	-63				
		Mz	11 29 41.9	2.8			-38		
		MN	11 29 43.0	2.7		+115			
		F	Covered						
560	" 7	eP	11 43 12.0					630	Ditto.
		Sz	11 44 20.6						
		MN <sub>1</sub>	11 44 32.3	2.2		+62			
		ME	11 44 43.0	2.4	+35				
		Mz <sub>1</sub>	11 44 53.5	2.2			+26		
		MN <sub>2</sub>	11 45 01.0	2.2		+62			
		F	Covered						
561	" 7	eP	11 54 12.0					680	Ditto.
		eS	11 55 25.9						
		F	12 20 43-						
562	" 7	eP	12 14 55.0					740	Ditto.
		eS	12 16 16.3						
		F	12 02 51-						
563	" 7	eP	12 39 25.5					570	Ditto.
		S	12 40 28.6						
		ME	12 41 58.0	2.6	-65				
		MN	12 42 07.0	2.4		+40			
		Mz	12 42 07.5	2.1			+47		
		F	12 57 49-						





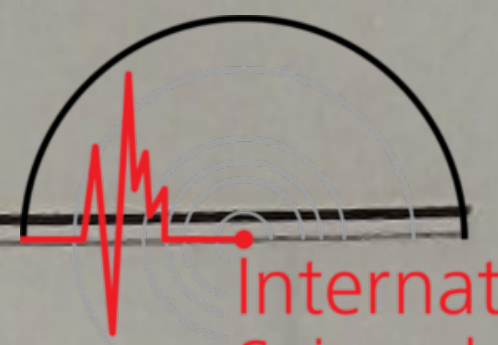
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
564	Nov. 7	eP	13 16 42.0					590	E. sea off Hukusima pref. Moderate shock were felt at Hukusima and Ibarak pref.
		Sz	13 17 47.0						
		Mz <sub>1</sub>	13 18 21.9	2.2		-215			
		Mz <sub>2</sub>	13 18 38.5	2.3		-215			
		ME	13 18 39.5	2.5	±1000				
		MN	13 19 08.0	2.5		±1000			
		F	13 33 51-						
565	" 7	P	Coverd					E. sea off Hukusima pref.	
		S	13 42 20.1						
		F	Covered						
566	" 7	P	Covered					Near Izu-Oosima Is.	
		S	13 44 03.7						
		F	13 48 41-						
567	" 7	eP	13 52 49.0				580	E. sea off Hukusima pref.	
		S	13 53 53.1						
		F	13 56 38-						
568	" 7	e	13 57 23.3				Ditto.		
		F	14 00 21.0						
569	" 7	e	14 01 20.7				Ditto.		
		F	14 03 51-						
570	" 7	eP	14 07 31.5				435	Ditto.	
		S	14 08 30.1						
		F	14 10 58-						
571	" 7	eP	14 12 30.0				550	Ditto.	
		S	14 13 31.4						
		F	14 15 47-						
572	" 7	e	14 18 49.7				Ditto.		
		F	14 21 37-						
573	" 7	eP	14 30 28.3				Ditto.		
		S	14 31 27.3						
		F	Covered						
574	" 7	P	Coverd				Ditto.		
		S	14 32 40.5						
		F	Covered						
575	" 7	P	Covered				Ditto.		
		S	14 35 20.1						
		F	14 37 42-						





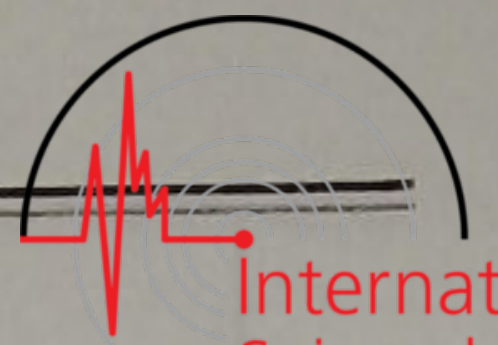
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
576	Nov. 7	eP	14 42 32.3						E. sea off Hukusima pref.
		eS	14 43 42.1						
		F	Covered						
577	" 7	eP	14 46 55.8					440	Ditto.
		S	14 47 55.0						
		F	14 51 23 -						
578	" 7	eP	14 58 08.2					391	Ditto.
		S	14 59 00.8						
		F	15 02 48 -						
579	" 7	e	15 07 25.2						Ditto
		F	15 10 27 -						
580	" 7	eP	15 31 15.1					540	Ditto.
		S	15 32 15.1						
		F	15 36 35 -						
581	" 7	e	15 51 01.8						Ditto.
		F	15 53 33 -						
582	" 7	eP	15 54 42.0					423	Ditto.
		S	15 55 38.9						
		ME	15 55 58.0	2.5	±9				
		MN	15 56 02.0	2.5		-9			
		F	Covered						
583	" 7	e	16 00 52.5						Near Wakayama city.
		F	16 04 41 -						
584	" 7	e	16 05 24.4						E. sea off Hukusima pref.
		F	16 08 39 -						
585	" 7	eP	16 27 00.5					550	Ditto.
		S	16 28 01.3						
		ME	16 28 07.5	2.6	±9				
		MN	16 28 42.2	2.4		±8			
		F	Covered						
586	" 7	P	Covered						Ditto.
		S	16 34 50.2						
		F	16 39 54 -						





No	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
587	Nov 7	P	h m s 16 50 21.4	s	$\mu$	$\mu$	$\mu$	km. 590	E. sea off Hukusima pref.
		S	16 51 26.5						
		ME	16 51 39.0		2.7	$\pm 35$			
		Mz	16 51 52.2		2.5		-18		
		MN	16 51 55.8		2.7		+53		
		F	Covered						
588	" 7	e	17 02 43.0					Ditto.	
		F	17 05 41-						
589	" 7	eP	17 06 37.0					630	Ditto.
		S	17 07 46.2						
		MN	17 08 20.7		2.2		+29		
		Mz	17 08 22.2		2.4		-15		
		ME	17 08 23.0		2.3	$\pm 18$			
		F	17 16 00 -						
590	" 7	e	17 29 32.7					Ditto	
		F	17 31 55-						
591	" 7	eP	17 41 49.1					580	Ditto.
		S	17 42 52.8						
		F	17 47 39-						
592	" 7	e	18 11 59.0					Ditto.	
		F	18 13 54-						
593	" 7	eP	18 22 42.0					590	Ditto.
		S	18 23 47.2						
		F	Covered						
594	" 7	eP	18 28 42.6					413	Ditto.
		S	18 29 38.2						
		F	18 33 44-						
595	" 7	e	18 51 32.6					Ditto.	
		F	18 54 41-						
596	" 7	eP	19 05 50.8					570	Ditto.
		S	19 06 54.0						
		F	19 10 43-						
597	" 7	eP	19 44 21.4					413	Ditto.
		eS	19 45 17.1						
		F	19 48 43-						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	AZ		
			h m s	s	μ	μ	μ	km.	
598	Nov. 7	eP	20 03 09.3					570	E. sea off Hukusima pref.
		S	20 04 12.0						
		F	20 09 37—						
599	" 7	eP	21 10 12.0					600	Ditto
		eS	21 11 18.2						
		F	21 14 47—						
600	" 7	e	21 16 42.0					Ditto	
		F	21 19 47—						
601	" 7	e	21 25 45.0					Ditto.	
		F	21 28 49—						
602	" 7	eP	21 31 52.0					620	Ditto.
		S	21 32 59.7						
		ME	21 33 22.4	2.7	-30				
		MN	21 33 30.6	2.7		-31			
		F	21 40 49—						
603	" 7	eP	22 45 32.3					580	Ditto.
		S	22 46 36.1						
		F	22 51 33—						
604	" 7	eP	23 19 55.8					440	Ditto.
		S	23 20 55.1						
		F	23 23 39—						
605	" 8	eP	0 20 16.7					920	Ditto.
		S	0 03 56.9						
		ME	0 04 19.3	2.8	+12				
		MN	0 04 29.5	2.7		+11			
		F	0 10 52—						
606	" 8	e	0 49 54.8					Ditto.	
		F	0 52 43—						
607	" 8	eP	0 57 25.6					439	Ditto.
		S	0 58 24.7						
		F	1 00 54—						
608	" 8	e	2 24 32.4					Ditto.	
		F	2 26 58—						





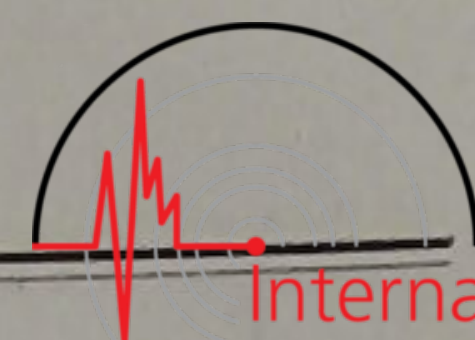
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentro- distance	Remarks	
					A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>			
			h m s	s	μ	μ	μ	km.		
609	Nov.	S	eP	2 29 45.4				418	E. sea off Hukusima pref.	
			S	2 30 41.7						
			F	2 33 30-						
610	"	S	P	4 12 51.0				580	Ditto.	
			S	4 13 54.9						
			Mz	4 15 06.8	2.5		+55			
			ME <sub>1</sub>	4 15 15.5	3.0	+117				
			ME <sub>2</sub>	4 15 30.5	2.6	-114				
			MN <sub>1</sub>	4 15 47.8	2.9		+168			
			M <sub>2</sub>	4 15 58.5	2.6		-163			
			F	Covered						
611	"	S	eP	4 26 37.5				760	Ditto.	
			S	4 28 00.1						
			F	4 30 27-						
612	"	S	iP	4 34 46.3		-17		600	Ditto. Moderate shock were felt at Kakioka and Utunomiya.	
			S	4 35 52.5						U
			MN	4 36 13.5	2.2		±800			
			ME	4 36 14.5	2.4	±1000				
			Mz	4 36 25.7	2.4					+317
613	"	S	eP	4 49 16.4				580	Ditto.	
			S	4 50 20.1						
			F	Covered						
614	"	S	P	4 56 36.5				420	Ditto.	
			S	4 57 33.0						
			ME	4 57 57.3	2.2	-18				
			MN	4 58 00.4	2.2		+18			
			F	Covered						
615	"	S	s	5 02 57.0				393	Ditto.	
			F	5 04 30-						
616	"	S	eP	5 10 05.1				393	Ditto.	
			S	5 10 58.1						
			F	Covered						
617	"	S	e	5 15 52.3					Ditto.	
			F	5 21 50-						
618	"	S	e	5 25 21.5					Ditto.	
			F	5 28 39-						





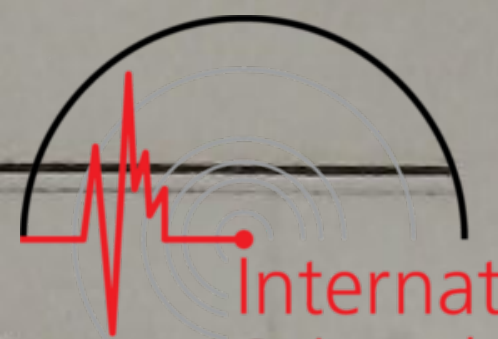
NoN	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
619	Nov. 8	eP	5	40	54.7						E. sea off Hukusima pref.
		S	5	42	43.3						
		F	5	50	57-						
620	" 8	e	6	13	59.9						Ditto.
		F	6	14	42-						
621	" 8	eP	6	17	12.3					290	Ditto.
		eS	6	17	51.4						
		F	6	19	37-						
622	" 8	eP	6	20	40.3					401	Ditto.
		S	6	21	34.3						
		F	6	23	18-						
623	" 8	P	6	55	36.2					620	Ditto.
		S	6	56	44.3						
		ME	6	57	36.4	2.4	+9				
		MN	6	57	43.1	2.0		-11			
		F	7	00	55-						
624	" 8	P	7	27	47.2						Near Gobo in Wakayama pref.
		S	7	28	45.3						
		F	7	31	05-						
625	" 8	e	7	41	45.2						E. sea off Hukusima pref.
		F	7	44	17-						
626	" 8	eP	7	46	47.2					441	Ditto.
		S	7	47	46.6						
		F	7	50	04-						
627	" 8	eP	8	23	47.3					360	Ditto.
		S	8	24	35.8						
		MN	8	24	49.5	2.0		-4			
		F	8	27	21-						
628	" 8	P	10	06	14.8					443	Ditto.
		S	10	07	14.5						
		MN	10	07	25.4	2.1		+7			
		F	10	10	39-						
629	" 8	P	10	26	14.6					392	Ditto.
		S	10	27	07.4						
		MN	10	27	31.8	2.1		+3			
		F	10	29	58-						





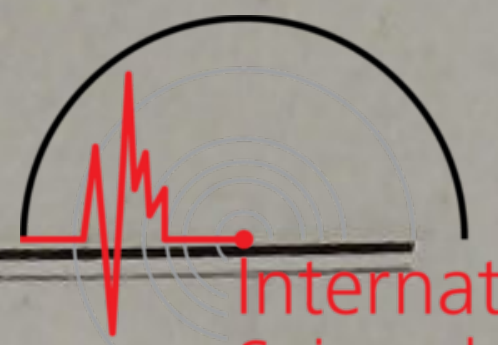
No.	Date.	Phase	Time 135°E M. G. T h m s			Period s	Amplitude			△ Epicentre- distance km.	Remarks
							AE μ	AN μ	Az μ		
630	Nov.	S	e	10	40	06.4				E. sea off Hukusima pref.	
			F	10	42	30—					
631	"	S	P	11	17	43.1				Ditto.	
			S	11	18	24.9					
			F	11	20	38—					
632	"	S	e	11	32	37.1				Ditto.	
			F	11	35	00—					
633	"	S	P	11	58	51.9			406	Ditto.	
			S	11	59	46.6					
			F	12	01	56—					
634	"	S	P	12	41	20.8			590	Ditto.	
			S	12	42	25.3					
			F	12	45	06—					
635	"	S	P	12	46	58.6			347	Ditto.	
			S	12	47	45.4					
			Mz	12	48	25.2	1.7		-7		
			ME	12	48	33.8	2.1	+9			
			MN	12	48	42.3	2.1		+18		
			F	12	52	26—					
636	"	S	P	14	27	56.4			423	Ditto.	
			S	14	28	53.9					
			Mz	14	29	17.0	1.5		+6		
			MN	14	29	22.4	2.1		+19		
			ME	14	29	25.8	2.1	+8			
			F	Covered							
637	"	S	eP	14	31	59.4			383	Ditto.	
			S	14	32	51.1					
			F	14	36	04—					
638	"	S	eP	14	37	54.9				Ditto.	
			S	14	38	38.2					
			F	14	42	31—					
639	"	S	P	15	32	29.7			560	Ditto.	
			S	15	33	31.7					
			Mz	15	33	49.8	1.8		-6		
			ME	15	33	53.8	2.1	+9			
			MN	15	33	55.1	2.1		+18		
			F	15	38	45—					





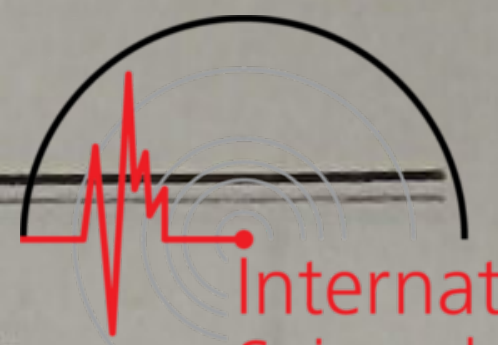
NoN	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks		
					AE	AN	Az				
			h m s	s	μ	μ	μ	km.			
640	Nov. 8	eP	15 42 24.9					410	E. sea off Hukusima pref.		
		S	15 43 20.1								
		F	15 45 41-								
641	" 8	e	16 11 24.6						Ditto.		
		F	16 13 49-								
642	" 8	eP	16 53 19.9					550	Ditto.		
		S	16 54 20.9								
		F	16 56 56-								
643	" 8	e	17 26 40.2						Ditto.		
		F	17 29 43-								
644	" 8	P	17 57 57.0					435	Ditto.		
		S	17 58 55.6								
		MN	17 59 20.7							2.1	+5
		F	18 01 38-								
645	" 8	eP	18 39 58.2					432	Ditto.		
		S	18 40 56.4								
		F	18 42 49-								
646	" 8	P	18 54 44.2					395	Ditto.		
		S	18 55 37.4								
		MN	18 55 41.2							2.1	-11
		ME	18 55 48.3							2.1	+9
		Mz	18 55 51.6							1.6	+6
		F	19 00 55-								
647	" 8	e	19 34 34.6						Ditto.		
		F	19 36 25-								
648	" 8	e	19 36 59.0						Ditto.		
		F	19 38 50-								
649	" 8	eP	19 52 29.7					383	Ditto.		
		S	19 53 21.4								
		F	19 55 31-								
650	" 8	P	20 03 22.3					404	Ditto.		
		S	20 04 16.7								
		Mz	20 04 21.8							2.3	-54
		ME	20 04 23.8							2.4	-62
		MN	20 04 33.2							2.4	+63
		F	20 12 50-								





No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre- distance	Remarks
							AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
651	Nov. 8	P	20	15	22.7					429	E. sea off Hukusima pref.
		S	20	16	20.5						
		Mz	20	16	25.5	1.7			+6		
		ME	20	16	30.9	2.2	+18				
		MN	20	16	56.6	2.0		-27			
		F	20	21	58—						
652	" 8	P	20	43	41.6					570	Ditto.
		S	20	44	44.6						
		Mz	20	45	19.9	1.7			-16		
		MN	20	45	32.2	2.7		+31			
		ME	20	45	59.1	2.1	-16				
		F	20	51	38—						
653	" 8	e	21	21	24.8						
		F	21	23	55—						
654	" 8	eP	21	29	31.2					429	Ditto.
		S	21	30	29.0						
		F	21	32	29—						
655	" 8	P	22	15	16.8					600	Ditto. Moderate shock were felt at Sendai and Kakioka.
		S	22	16	22.5						
		ME	22	16	39.3	3.0	-87				
		Mz	22	16	40.3	2.4			-63		
		MN	22	17	23.8	3.1		+115			
		F	22	27	23—						
656	" 8	P	23	01	30.8					428	Ditto.
		S	23	02	28.5						
		ME	23	02	33.8	2.5	+11				
		Mz	23	03	01.4	2.1			+6		
		MN	23	03	14.8	2.5		+26			
		F	23	08	40—						
657	" 9	eP	0	30	00.2					392	Ditto.
		S	0	30	53.0						
		F	0	33	05—						
658	" 9	eP	2	32	57.8					394	Ditto.
		S	2	33	50.9						
		F	2	36	21—						





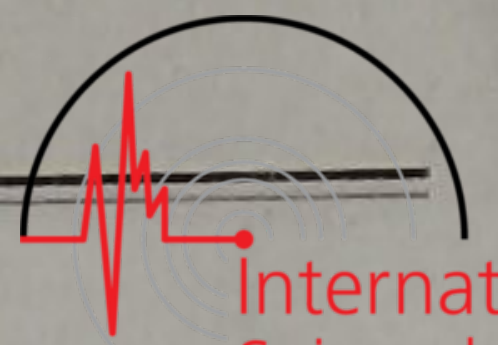
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
659	Nov. 9	P	4 15 34.8					414	E. sea off Hukusima pref.
		S	4 16 30.6						
		ME	4 16 36.0	2.5	+4				
		MN	4 16 42.2	2.5		+6			
		F	4 20 48—						
660	" 9	e	7 27 42.1					Ditto.	
		F	7 31 40—						
661	" 9	P	8 07 46.9				420	Ditto.	
		S	8 08 43.4						
		F	8 12 05—						
662	" 9	P	11 23 30.7				390	Ditto. Moderate shock was felt at Sendai.	
		S	11 24 23.2						
		MN	11 24 25.0	2.8		±46			
		ME	11 24 37.4	2.6	+36				
		Mz	11 24 49.1	2.2		+32			
		F	Covered						
663	" 9	eP	11 33 36.3				550	Ditto	
		S	11 34 37.1						
		F	11 38 39—						
664	" 9	P	13 03 12.5				590	Ditto.	
		S	13 04 17.9						
		ME	13 04 30.8	2.2	+11				
		MN	13 04 43.2	2.5		+27			
		F	13 12 28—						
665	" 9	e	14 18 32.2				Ditto.		
		F	14 22 39—						
666	" 9	e	15 06 21.8				Ditto.		
		F	15 09 39—						
667	" 9	eP	15 20 46.1				341	Ditto.	
		eS	15 21 32.1						
		F	15 23 54—						
688	" 9	eP	15 35 38.8				570	Ditto.	
		S	15 36 41.5						
		F	15 41 38—						





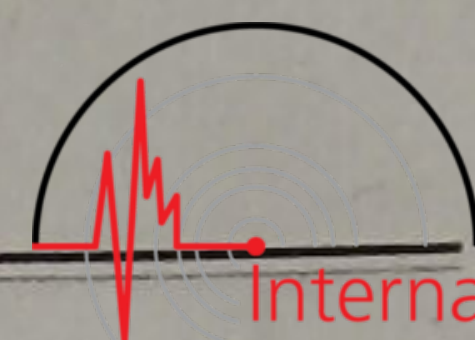
No	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
669	Nov. 9	P	16 36 34.3					424	E. sea off Hukusima pref.
		S	16 37 31.4						
		F	Covered						
670	" 9	eP	16 43 29.1					620	Ditto.
		S	16 44 37.3						
		F	16 47 54—						
671	" 9	eP	16 49 53.9					431	Ditto.
		S	16 50 52.0						
		F	16 53 47—						
672	" 9	e	17 16 29.2						Ditto.
		F	17 20 47—						
673	" 9	eP	17 31 32.8					580	Ditto.
		S	17 32 36.8						
		F	17 37 41—						
674	" 9	eP	18 09 42.7					570	Ditto.
		S	18 10 46.1						
		MN	18 11 18.4	2.5		-44			
		Mz	18 11 18.4	2.4			+23		
		ME	18 11 21.3	2.4		-16			
		F	Covered						
675	" 9	P	18 17 05.3					630	Ditto. Moderate shock was felt at Sendai.
		S	18 18 14.2						
		Mz	18 19 02.0	2.3			-79		
		MN	18 19 19.9	2.6		+338			
		ME	18 20 51.5	2.8		-225			
		F	Covered						
676	" 9	e	18 35 21.6						Episentre unknown
		F	18 39 41—						
677	" 9	e	18 41 37.8						E. sea off Hukusima pref.
		F	18 43 32—						
678	" 9	e	18 46 27.0						Ditto.
		F	18 51 40—						
679	" 9	eP	18 54 38.9					600	Ditto.
		eS	18 55 44.7						
		F	18 58 43—						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks		
					AE	AN	AZ				
680	Nov. 9	eP	h m s 20 42 37.0		μ	μ	μ	415	E. sea off Hukusima pref.		
		S	20 43 32.9								
		F	20 46 54—								
681	" 9	e	21 27 46.2					355	Ditto.		
		F	21 30 57—								
682	" 9	P	21 38 17.5		+65	-104			Ditto.		
		S	21 39 05.3								
		ME	21 39 16.6							2.9	
		MN	21 39 20.2							2.3	
		Mz	21 39 29.1							2.0	-52
		F	21 49 47—								
683	" 9	eP	22 39 57.4					317	Ditto.		
		eS	22 40 40.1								
		F	22 44 45—								
684	" 9	e	23 55 22.8						Ditto.		
		F	23 58 42—								
685	" 10	eP	0 50 53.6					540	Ditto.		
		S	0 51 53.8								
		F	Covered								
686	" 10	eP	0 54 57.6					383	Ditto.		
		S	0 55 49.2								
		F	0 59 29—								
687	" 10	e	1 02 32.9						Ditto.		
		F	1 06 51—								
688	" 10	eP	1 10 01.2					610	Ditto.		
		iS	1 11 08.2								
		Mz	1 11 22.9							1.8	-121
		ME	1 11 37.0							2.4	+149
		MN	1 11 40.1							2.5	+266
		F	1 22 47—								
689	" 10	eP	3 20 31.6					630	Ditto.		
		eS	3 21 40.9								
		F	3 25 37—								
690	" 10	e	4 43 30.4						Ditto.		
		F	4 46 32—								





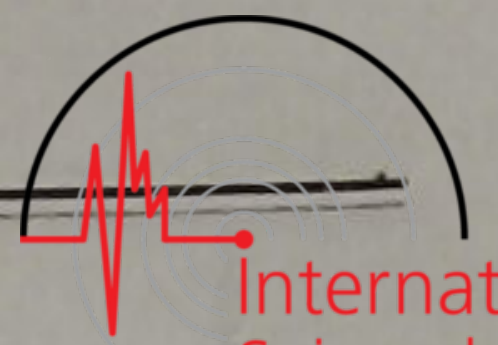
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentro- distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
691	Nov. 10	eP	5	51	48.2					570	E. sea off Hukusima pref.
		S	5	52	50.7						
		F	5	56	32—						
692	" 10	eP	7	51	47.2					418	Ditto.
		S	7	52	43.4						
		F	7	56	35—						
693	" 10	eP	8	09	26.5					600	Ditto.
		S	8	10	32.9						
		F	8	15	48—						
694	" 10	e	10	03	53.2						Ditto.
		F	10	09	30—						
695	" 10	e	11	18	24.5						Ditto.
		F	11	22	22—						
696	" 10	eP	11	25	07.2					413	Ditto.
		S	11	26	02.8						
		ME	11	27	00.3	2.1	-22				
		MN	11	27	04.5	2.2		+27			
		F	11	35	26—						
697	" 10	eP	12	54	42.9 ?						Ditto.
		S	12	54	55.9						
		F	12	56	31—						
698	" 10	eP	14	54	50.8					640	Ditto.
		S	14	56	00.5						
		F	Covered								
699	" 10	eP	15	03	50.3					610	Ditto.
		S	15	04	57.5						
		F	15	08	36—						
700	" 10	eP	15	45	41.6					411	Ditto.
		S	15	46	37.0						
		MN	15	47	35.6	2.5		-36			
		ME	15	47	39.1	2.4	+18				
		F	15	56	42—						
701	" 10	eP	17	16	31.7					680	Ditto.
		S	17	17	45.9						
		MN	17	18	45.5	2.6		+16			
		F	17	24	52—						





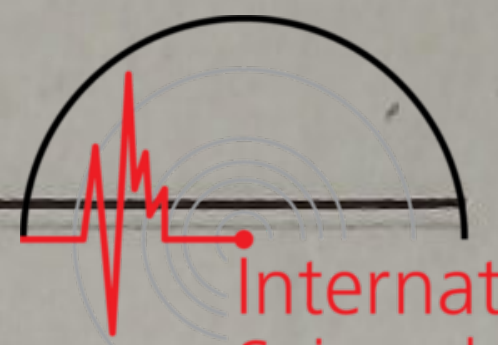
NoN	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre distance	Remarks
							AE	AN	AZ		
			h	m	s	s	μ	μ	μ	km.	
702	Nov. 10	e	17	42	48.5						E. sea off Hukusima pref.
		F	17	46	22-						
703	" 10	eP	17	50	05.9						Ditto.
		eS	17	50	57.6						
		F	17	55	45-						
704	" 10	e	18	19	17.3						Ditto.
		F	18	22	38-						
705	" 10	e	18	36	35.4						Ditto.
		F	18	39	38-						
706	" 10	P	19	47	46.9					540	Ditto.
		S	19	48	47.6						
		MN	19	49	47.6	3.0		+126			
		ME	19	50	20.6	3.1	-80				
		F	20	31	41-						
707	" 10	eP	22	03	36.2					570	Ditto.
		S	22	04	39.6						
		F	22	09	29-						
708	" 10	eP	22	21	35.5					420	Ditto.
		S	22	22	32.0						
		F	22	25	43-						
709	" 11	e	2	43	41.5						Ditto.
		F	2	46	48-						
710	" 11	eP	2	51	57.1					570	Ditto.
		eS	2	52	59.6						
		F	2	56	32-						
711	" 11	eP	3	11	34.9					560	Ditto.
		eS	3	12	36.8						
		F	3	14	54-						
712	" 11	P	5	27	23.3					5450	A distant earthquake.
		L	5	34	30.7						
		MN	5	45	58.9	20.0		+1310			
		Mz	5	49	58.4	21.2			-134		
		ME	5	50	34.4	19.2	+858				
		F			Covered						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			Δ Epicentro- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	mm.	
713	Nov. 11	e	6 59 46.8						Epicentre unknown.
		F	7 02 51—						
714	" 11	e	7 05 01.2						Ditto.
		F	7 07 52—						
715	" 11	P	7 23 39.2					620	E. sea off Hukusima pref.
		S	7 24 46.7						
		MN	7 24 50.5	2.5		±250			
		ME	7 24 57.4	2.5	±500				
		Mz	7 25 26.4	2.8			+128		
		F	8 23 41—						
716	" 11	e	8 51 46.3					Ditto.	
		F	Covered						
717	" 11	e	8 56 19.1					Ditto.	
		F	9 03 00—						
718	" 11	eP	9 27 25.6					680	Ditto.
		S	9 28 39.1						
		ME	9 28 56.6	2.6	+11				
		MN	9 28 58.6	2.5		-11			
		F	9 36 45—						
719	" 11	e	10 06 18.4					A distant shock.	
		F	10 08 51—						
720	" 11	eP	11 58 32.5					800	Sea off Hatizyo Is.
		S	11 59 59.0						
		F	12 22 40—						
721	" 11	eP	13 39 41.0					920	Ditto.
		eS	13 41 20.5						
		F	13 56 56—						
722	" 11	eP	17 19 37.6					406	E. sea off Hukusima pref.
		eS	17 20 32.3						
		F	Covered						
723	" 11	eP	17 23 25.7					Ditto.	
		S	17 24 18.2						
		F	17 27 49—						





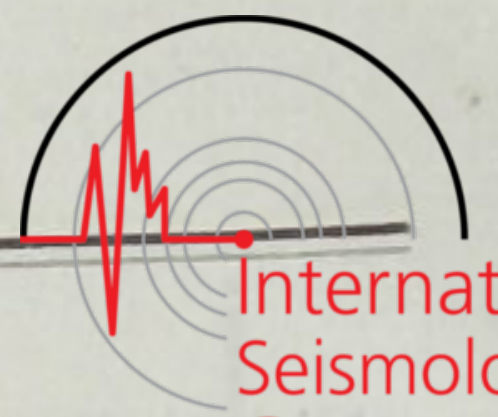
NoN	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
724	Nov. 11	e	17 48 36.3						E. sea off Hukusima pref.
		F	17 53 47 -						
725	" 11	P	23 10 44.8					660	Ditto.
		iS	23 11 57.0						
		ME	23 12 01.0	2.6	± 9				
		MN	23 12 31.1	2.8		+18			
		F	Covered						
726	" 11	eP	23 18 44.8					650	Ditto.
		iS	23 19 55.5						
		ME	23 20 15.6	2.5	+10				
		MN	23 20 41.5	2.7		+20			
		F	23 27 58 -						
727	" 12	e	2 19 25.1						Ditto.
		F	2 21 39 -						
728	" 12	eP	8 25 55.5					432	Ditto.
		S	8 26 53.7						
		F	8 29 38 -						
729	" 12	e	13 14 23.9						Ditto.
		F	13 16 56 -						
730	" 12	e	14 21 46.6						Ditto.
		F	14 23 46 -						
731	" 12	P	17 04 26.8					680	Ditto.
		S	17 05 41.8						
		Mz	17 06 17.7	2.6			-21		
		ME	17 06 30.1	2.5	+32				
		MN	17 06 30.1	2.1		-48			
		F	17 18 50 -						
732	" 12	eP	23 36 31.5						Ditto.
		eS	23 37 20.3						
		F	23 40 34 -						
733	" 13	eP	4 35 48.0					391	Ditto.
		S	4 36 40.7						
		F	4 39 28 -						
734	" 13	eP	5 32 12.1					308	In the Kasima nada.
		S	5 32 53.6						
		F	5 34 46 -						





No	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>		
			h m s	s	μ	μ	μ	km.	
735	Nov. 13	e	10 20 12.3						E. sea off Hukusima pref.
		F	10 22 46-						
736	" 13	e	10 28 37.6						Epicentre unknown.
		F	10 32 21-						
737	" 13	eP	20 32 14.5					710	E. sea off Hukusima pref.
		S	20 33 32.7						
		F	20 37 53-						
738	" 13	eP	22 17 56.0					860	Ditto.
		S	22 19 29.2						
		MN	22 19 45.8	2.6		-18			
		ME	22 19 54.2	2.3	-10				
		F	22 35 39-						
739	" 13	e	23 57 38.9					Ditto.	
		F	23 59 33-						
740	" 14	eP	5 51 49.5					630	Ditto.
		S	5 52 58.3						
		F	5 56 56-						
741	" 14	P	7 32 40.3					820	Ditto.
		S	7 34 09.0						
		Mz	7 34 20.2	3.4		+111			
		MN	7 34 50.6	3.6		-378			
		ME <sub>1</sub>	7 34 56.7	3.4	+238				
		ME <sub>2</sub>	7 36 03.6	3.5	+251				
		F	7 45 59-						
742	" 14	eP	8 00 17.8					710	Ditto.
		eS	8 01 35.9						
		F	8 09 52-						
743	" 14	e	8 15 38.1					Ditto.	
		F	8 20 39-						
744	" 14	e	8 22 39.9					Ditto.	
		F	8 30 00-						
745	" 14	e	8 33 42.4					Ditto.	
		F	8 39 59-						
746	" 14	e	10 01 34.6					Ditto.	
		F	10 05 40-						





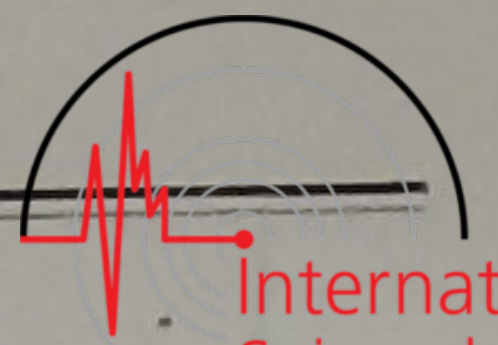
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
747	Nov. 14	P	11 37 37.7					680	E. sea off Hukusima pref.
		S	11 38 53.0						
		Mz	11 39 06.3	2.3		+131			
		ME	11 39 29.2	2.4	+160				
		MN	11 39 29.4	2.3		+131			
		F	Covered						
748	" 14	eP	11 51 34.2				670	Ditto.	
		eS	11 52 47.6						
		F	11 56 41—						
749	" 14	eP	12 13 34.6				620	Ditto.	
		eS	12 14 21.5						
		F	12 17 42—						
750	" 14	eP	13 16 33.2				630	Ditto.	
		S	13 17 41.3						
		F	13 23 44—						
751	" 14	eP	14 47 40.6				680	Ditto.	
		S	14 48 54.8						
		F	14 54 51—						
752	" 14	eP	16 00 40.2				720	Ditto.	
		S	16 01 30.0						
		F	16 04 01—						
753	" 14	eP	16 56 57.2				600	Ditto.	
		S	16 58 16.1						
		F	17 02 59—						
754	" 14	eP	17 58 49.6				600	Ditto.	
		S	17 59 55.6						
		F	18 05 38—						
755	" 14	e	21 13 48.4					A distant shock.	
		F	21 19 30—						
756	" 14	e	22 36 53.3					Near Mt. Tukuba.	
		F	22 39 33—						
757	" 14	eP	23 25 49.3					Near the city of Hakodate.	
		S	23 26 51.8						
		F	23 32 38—						





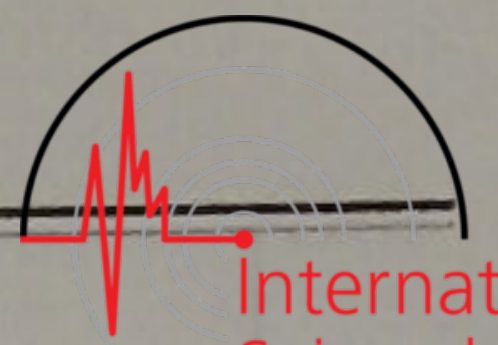
No	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
758	Nov. 15	eP	2 35 29.7					366	E. sea off Hukusima pref.
		S	2 36 19.0						
		F	2 40 50—						
759	" 15	eP	9 39 32.3					610	Ditto.
		S	9 40 39.2						
		F	9 43 46—						
760	" 15	eP	10 59 49.2					540	Ditto
		S	11 00 49.5						
		F	11 05 58—						
761	" 15	eP	11 16 55.4					660	Ditto.
		S	11 18 07.8						
		MN	11 18 21.2	2.5		+40			
		ME	11 18 33.0	2.5	-12				
		F	Covered						
762	" 15	eP	11 20 56.4					630	Ditto
		S	11 22 05.7						
		ME	11 22 27.4	2.7	+10				
		MN	11 22 34.0	2.7		+18			
		F	11 28 48—						
763	" 15	e	13 02 47.9						Ditto.
		F	13 06 48—						
764	" 15	eP	13 28 34.8					45	Near the city of Nagoya.
		S	13 28 40.8						
		F	13 29 53—						
765	" 15	e	15 26 45.6						E. sea off Hukusima pref.
		F	15 29 56—						
766	" 15	eP	19 00 24.1 ?						Ditto.
		eS	19 00 49.3						
		F	19 05 06—						
767	" 15	e	19 38 42.1						Ditto
		F	19 41 38—						
768	" 16	P	1 23 17.0					710	Epicentre unknown.
		S	1 24 34.6						
		MN	1 24 44.0	2.6		+18			
		F	1 38 46—						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
769	Nov. 16	eP	2 26 31.4					550	E. sea off Hukusima pref.
		S	2 27 32.8						
		F	2 31 47—						
770	" 16	eP	2 41 38.7					590	Ditto.
		eS	2 42 43.8						
		F	Covered						
771	" 16	e	2 44 02.5						Ditto.
		F	2 47 47—						
772	" 16	eP	3 01 06.3					680	Ditto.
		S	3 02 20.8						
		MN	3 02 42.6	2.5		+11			
		F	3 08 07—						
773	" 16	e	4 24 40.5						Ditto.
		F	4 27 44—						
774	" 16	eP	6 09 41.7					630	Ditto.
		S	6 10 50.5						
		F	Covered						
775	" 16	P	Covered						Ditto.
		S	6 12 34.3						
		MN	6 12 50.5	2.7		+12			
		F	6 22 02—						
776	" 16	e	14 02 16.8						Ditto.
		F	14 06 42—						
777	" 16	P	20 09 16.5 ?						141.8°E, 37 4°N.
		iS	20 10 10.3						E. sea of Hukusima pref.
		Mz	20 10 37.1	2.7			-222		The moderate shock were felt at
		MN	20 10 45.5	2.4		+1000			Hukusima, miyagi, Ibaraki and
		ME	20 10 49.0	2.4	+1000				Totigi pref.
		F	20 31 05—						
778	" 16	eP	22 34 00.5					424	Ditto.
		S	22 34 57.6						
		F	22 38 54—						
779	" 17	eP	12 00 42.9					560	Ditto.
		S	12 01 44.4						
		F	12 07 53—						





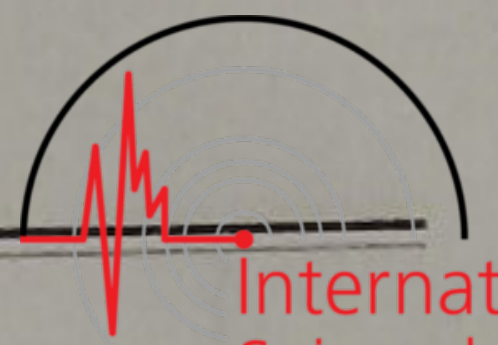
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentro- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
780	Nov. 17	e F	13 03 42.0 13 38 55—						Near Yakuzima Is.
781	" 18	eP S F	14 25 59.4 14 26 19.4 14 28 43—					148	The central part of Mie pref?
782	" 18	e F	15 55 59.6 15 59 35—						E. sea off Hukusima pref.
783	" 18	eP S F	23 58 13.0 23 59 03.2 0 02 33—					373 ?	Ditto.
784	" 19	eP S F	0 30 51.9 0 31 44.9 0 35 45—					393 ?	Ditto.
785	" 19	e F	0 37 18.1 0 40 51—						Near the city of Nagoya.
786	" 19	eP S MN F	2 51 03.3 2 52 15.7 2 52 55.7 2 58 40—	2.5		±10		660	E. see off Hukusima pref.
787	" 19	e F	3 33 51.4 3 36 45—						Ditto.
788	" 19	e F	4 58 52.8 5 00 32—						Ditto.
789	" 19	eP S F	8 51 57.3 8 52 40.3 8 55 44—					319 ?	Ditto.
790	" 19	e F	11 54 52.8 11 59 41.7						Ditto.
791	" 19	eP S F	14 02 10.4 14 02 23.6 14 03 51—					98	Near the city of Nagoya.





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
792	Nov. 19	ePz	14 55 29.8					398	141.8°E, 37.0°N, E. sea off Hukusima pref. The moderate shock was felt at Hukusima pref.
		Sz	14 46 23.4						
		Mz	14 56 39.9	2.5		±100			
		ME	14 56 40.0	2.5	+163				
		MN	14 57 05.2	2.4		+207			
		F	15 03 49-						
793	" 20	eP	0 27 41.5				397	Ditto	
		S	0 28 35.0						
		F	0 31 42-						
794	" 20	eP	0 40 42.7				422	Ditto.	
		S	0 41 39.5						
		F	0 44 51-						
795	" 20	eP	4 53 10.5				680	Ditto.	
		S	4 54 24.3						
		F	4 58 54-						
796	" 20	eP	5 54 58.4				790	Ditto.	
		S	5 56 24.3						
		F	5 59 26-						
797	" 20	e	11 01 33.2						
		F	11 04 32-						
798	" 20	eP	13 25 27.6				700	Ditto.	
		S	13 26 44.6						
		F	13 30 24-						
799	" 20	eP	21 19 24.9				670	Ditto.	
		S	21 20 38.0						
		F	21 25 40-						
800	" 20	eP	21 46 29.9				329	Ditto.	
		S	21 47 14.1						
		F	21 49 28-						
801	" 20	e	22 43 19.7					Ditto.	
		F	22 45 37-						
802	" 21	eP	0 20 02.2				640	Ditto.	
		eS	0 21 11.8						
		F	0 23 34-						





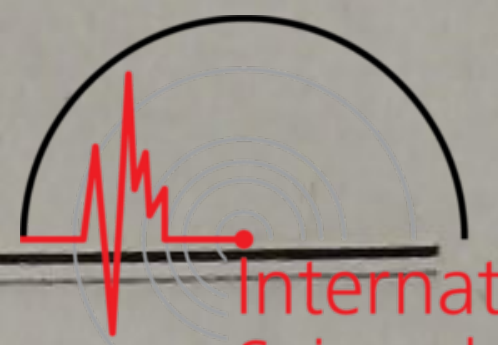
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentro- distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
803	Nov. 21	e	2	30	31.3						In the Kasima nada.
		F	2	34	22-						
804	" 21	eP	4	12	36.1					620	E sea off Hukusima pref.
		S	4	13	44.2						
		F	4	17	20-						
805	" 21	eP	13	56	26.2					327	Ditto.
		S	13	57	10.2						
		F	13	59	24-						
806	" 21	eP	15	47	32.7					382	Ditto.
		S	15	48	24.2						
		F	15	52	31-						
807	" 21	e	15	55	20.2						Near the city of Nagoya.
		F	15	58	24-						
808	" 21	eP	16	02	27.7					610	E. sea off Hukusima pref.
		eS	16	03	34.5						
		F	16	08	24-						
809	" 21	e	18	58	49.1						Ditto.
		F	19	01	24-						
810	" 22	iP	10	15	15.2		+16.2	+3.5	-7.9	600	∠141.8°E, ∠37.0°N.
		S	10	16	21.0						E. sea off Hukusima pref.
		Mz	10	16	29.6	3.0			+427		The moderate shock were felt at
		MN	10	16	51.9	2.5		+1000			Hukusima, Miyagi and Ibaraki
		ME	10	17	58.1	2.5	+950				pref.
		F	Covered								
811	" 22	Pz	10	22	21.0					418	Ditto.
		Sz	10	23	17.3						
		ME	10	23	47.5	2.6	±500				
		Mz	10	23	47.9	2.8			+203		
		MN	10	23	50.8	2.6		-500			
		F	Covered								
812	" 22	P	10	41	06.5					540	Ditto.
		S	10	42	06.8						
		ME	10	42	38.5	2.3	+135				
		MN <sub>1</sub>	10	42	39.2	2.3		+180			
		Mz	10	42	40.5	2.3			+111		
		MN <sub>2</sub>	10	42	59.7	2.4		-182			
		F	Covered								





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
813	Nov, 22	eP	10 57 38.5		$\mu$	$\mu$	$\mu$	630	E. sea off Hukusima pref.
		S	10 58 47.0						
		Mz	10 59 23.7	2.2			+16		
		ME	10 59 37.6	2.5	-18				
		MN	10 59 43.7	2.4		+51			
		F	Covered						
814	" 22	e	11 18 30.6					Ditto.	
		F	11 21 30 -						
815	" 22	e	11 42 09.0					Ditto.	
		F	11 46 31 -						
816	" 22	eP	11 51 32.3				590	Ditto.	
		S	11 52 37.0						
		ME	11 54 01.4	2.4	-41				
		MN	11 54 06.4	2.6		-107			
		Mz	11 54 06.4	2.5					+35
		F	12 06 17 -						
817	" 22	eP	12 24 50.9				630	Ditto.	
		S	12 26 00.3						
		MN	12 26 14.5	2.8		+164			
		Mz	12 26 32.0	2.5					-64
		ME	12 26 51.8	2.4	-81				
		F	12 39 17 -						
818	" 22	e	12 46 31.4					Ditto.	
		F	12 48 28 -						
819	" 22	e	13 39 44.3					Ditto.	
		F	13 43 39 -						
820	" 22	eP	13 48 27.1				429	Ditto.	
		S	13 49 24.9						
		F	13 55 20 -						
821	" 22	eP	17 14 41.8				437	Ditto.	
		S	17 15 40.7						
		MN <sub>1</sub>	17 15 58.4	2.5		-132			
		ME	17 16 02.7	2.7	+67				
		MN <sub>2</sub>	17 16 08.8	2.7		+132			
		Mz	17 16 15.5	2.0					-51
F	17 20 38 -								





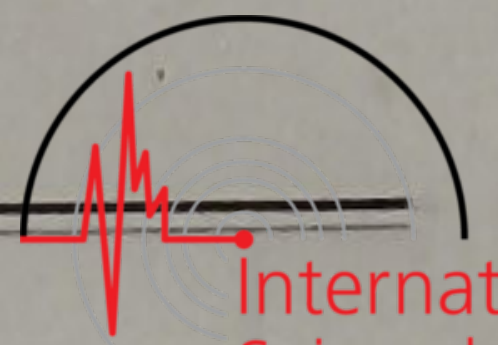
No	Date.	Phase	Time 135°E M. C. T			Period s	Amplitude			△ Epicentre- distance km.	Remarks
			h	m	s		AE μ	AN μ	Az μ		
822	Nov. 22	e	17	37	15.6					E. sea off Hukusima pref.	
		F	17	40	13-						
823	" 22	e	18	22	20.4					Ditto.	
		F	18	25	22-						
824	" 22	eP	18	34	10.7				570	Ditto.	
		S	18	35	13.6						
		MN	18	35	38.2	2.4		-19			
		F	18	42	20-						
825	" 22	e	19	14	14.4					Ditto.	
		F	19	16	33-						
826	" 22	eP	20	39	39.1				590	Ditto.	
		S	20	40	43.7						
		F	20	46	44-						
827	" 22	e	22	02	08.3					Ditto.	
		F	22	04	21-						
828	" 23	eP	0	42	30.2				600	Ditto.	
		S	0	43	35.9						
		F	0	45	29-						
829	" 23	eP	2	31	29.5					Ditto.	
		S	2	32	12.7						
		F	2	34	34-						
830	" 23	eP	2	37	46.8					Ditto.	
		S	2	38	29.3						
		F	2	40	32-						
831	" 23	e	3	30	06.0					Ditto.	
		F	3	32	22-						
832	" 23	eP	3	35	24.5				329	Ditto.	
		S	3	36	08.8						
		ME	3	36	25.8	2.2	+11				
		MN	3	37	09.4	2.1		-18			
		F	3	44	20-						
833	" 23	eP	9	17	17.1				403	Ditto.	
		S	9	18	11.4						
		Mz	9	18	51.4	2.4		+24			
		F	9	23	23-						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
834	Nov. 23	e F	h m s 11 35 18.2 11 37 27—	s	μ	μ	μ	K-11	E. sea off Hukusima pref.
835	" 23	e F	12 32 15.6 12 34 30—						
836	" 23	eP S F	12 58 16.4 12 59 22.7 Covered					600	Ditto.
837	" 23	P S F	Covered 13 00 56.5 13 04 42—						Ditto.
838	" 23	eP S MN F	14 15 25.4 14 16 38.9 14 16 58.9 14 21 20—	2.3		-8		680	Ditto.
839	" 23	e F	17 21 00.9 17 22 42—						Ditto.
840	" 23	e F	17 23 33.4 17 27 14—						Epicentre unknown.
841	" 23	e F	21 05 22.7 21 08 42—						Near the city of Sapporo.
842	" 23	eP S MN F	22 18 25.3 22 19 13.5 22 19 24.7 22 24 30—	2.4		-19		358	E. sea off Hukusima pref.
843	" 23	e F	22 25 52.7 22 27 18—						The central part of the Tokyo bay.
844	" 23	eP S ME Mz MN F	23 00 45.5 23 01 33.0 23 02 08.2 23 02 10.0 23 02 21.8 23 11 23—	2.6 2.0 2.4	+23		±16	353	E. sea off Hukusima pref.
845	" 23	eP S F	23 24 57.5 23 26 00.1 23 30 16—					570	Ditto.





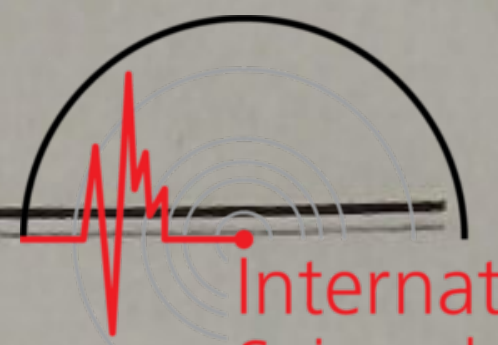
No	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
846	Nov, 24	eP	3 04 04.7	2.1				269	Near Tiba city.
		S	3 04 40.9						
		MN	3 05 07.2						
		F	3 09 20—						
847	" 24	eP	4 27 38.7				282	Ditto.	
		S	4 28 36.7						
		F	4 31 30—						
848	" 24	e	4 42 58.7					E. sea off Hukusima pref.	
		F	4 45 05—						
849	" 24	eP	4 47 29.8				264	N. part of the Tokyo bay.	
		eS	4 48 05.3						
		F	4 51 30—						
850	" 24	eP	5 53 28.4				820	E sea off Hukusima pref.	
		eS	5 54 57.1						
		F	5 59 11—						
851	" 24	eP	9 33 28.5				413	Near Tudanuma in Tiba pref.	
		S	9 34 24.1						
		F	9 36 23—						
852	" 24	eP	9 41 42.1				344	Sea off Kuzyukuri-hama.	
		eS	9 42 28.5						
		F	9 44 24—						
853	" 24	eP	10 26 22.8				401	N. part of the Tokyo bay.	
		eS	10 27 16.8						
		F	10 29 32—						
854	" 24	e	10 49 36.7					Epicentre unknown.	
		F	10 51 13—						
855	" 24	eP	11 40 07.7				394	Near Tiba city.	
		S	11 41 00.8						
		F	Covered						
856	" 24	P	Covered					Ditto?	
		S	11 42 14.7						
		F	11 45 18—						
857	" 24	eP	13 30 24.2				352	N. part of the Tokyo bay.	
		eS	13 31 11.6						
		F	13 33 19—						





No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre- distance km.	Remarks
							AE	AN	AZ		
			h	m	s	s	μ	μ	μ		
858	Nov. 24	eP	13	34	13.4					416	N part of the Tokyo bay.
		eS	13	35	09.4						
		F	13	37	30—						
859	" 24	e	14	31	22.5					358	Ditto.
		F	14	33	09—						
860	" 24	eP	16	50	26.8					358	Ditto.
		S	16	51	15.0						
		F	16	54	11—						
861	" 24	e	16	57	36.2					356	Ditto.
		F	16	59	21—						
862	" 24	e	21	18	18.1					356	Ditto.
		F	21	20	23—						
863	" 24	P	22	48	49.1					356	E. sea off Hukusima pref.
		S	22	49	37.1						
		MN <sub>1</sub>	22	50	06.1	2.5		+48			
		Mz	22	50	06.3	2.0			-19		
		ME	22	50	08.1	2.5	+29				
		MN <sub>2</sub>	22	50	10.2	2.5			-48		
		F	23	00	11—						
864	" 25	e	11	03	37.1					356	Ditto.
		F	11	05	12—						
865	" 25	eP	11	09	43.8					356	Ditto.
		S	11	10	25.3						
		MN	11	10	36.3	2.4		±11			
		F	11	13	38—						
866	" 25	e	11	30	15.8					356	Ditto.
		F	11	33	16—						
867	" 25	eP	13	11	50.4					402	Ditto.
		eS	13	12	44.5						
		F	13	14	40—						
868	" 25	P	17	21	33.7					540	Ditto. Moderate shock were felt at Hukusima, Miyagi and Ibaraki pref.
		iS	17	22	33.7						
		Mz	17	22	41.2	2.8			±325		
		ME	17	22	54.7	2.5	+550				
		MN	17	23	15.7	2.5		+373			
		F	17	39	36—						





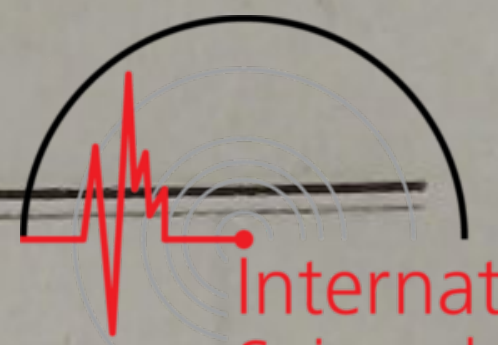
No.	Date.	Phase	Time 135°E M. C. T			Period s	Amplitude			△ Epicentro- distance km.	Remarks
			h	m	s		A <sub>E</sub> μ	A <sub>N</sub> μ	A <sub>Z</sub> μ		
869	Nov. 25	eP	19	05	06.2				416	E. sea off Hukusima pref.	
		S	19	06	02.2						
		F	19	09	29—						
870	" 25	eP	20	32	22.4					Ditto.	
		S	20	33	00.9						
		F	20	35	34—						
871	" 26	eP	7	32	19.1				277	Near Edozaki in Ibaraki pref.	
		S	7	32	56.4						
		F	7	35	37—						
872	" 26	eP	10	09	50.4				367	In the Kuzyukuri-hama.	
		eS	10	10	39.8						
		F	10	12	34—						
873	" 26	e	10	48	40.5					In the Kasima nada.	
		F	10	50	23—						
874	" 26	eP	12	37	14.6				432	E. sea off Hukusima pref.	
		S	12	38	12.8						
		Mz	12	38	18.4	2.6		-43			
		MN	12	38	41.4	2.4		±71			
		ME	12	38	41.4	2.5	±47				
		F	12	50	27—						
875	" 26	e	16	32	15.0					Ditto.	
		F	16	34	35—						
876	" 26	eP	17	39	23.8				402	Ditto.	
		eS	17	40	17.9						
		F	Covered								
877	" 26	eP	17	41	29.5				373	Ditto.	
		S	17	42	19.8						
		MN	17	42	42.2	2.5		+13			
		F	17	48	28—						
878	" 26	eP	19	02	24.0				438	Ditto.	
		S	19	03	23.0						
		ME	19	03	31.6	2.3	±27				
		MN	19	03	47.3	2.8		-44			
		Mz	19	03	48.8	2.4		+21			
		F	19	13	22—						





No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
879	Nov. 27	e	20	55	57.0						SE. sea off Katuura in Tiba pref.
		F	20	57	31—						
880	" 28	e	5	05	35.3						E. sea off Hukusima pref.
		F	5	08	39—						
881	" 28	eP	11	04	55.0					680	Ditto.
		S	11	06	10.3						
		MN	11	06	35.5	2.4		+11			
		F	11	10	27—						
882	" 28	eP	13	28	06.7					550	Ditto.
		S	13	29	07.9						
		ME	13	29	47.2	2.4	±8				
		MN	13	29	54.0	2.4		-10			
		F	13	35	34—						
883	" 29	e	3	00	34.5						Ditto.
		F	3	02	18—						
884	" 29	eP	3	46	26.5					334	Near Yuuki in Ibaraki pref.
		S	3	47	11.5						
		F	3	50	26—						
885	" 29	P	22	40	40.4					760	142.0°E. 36°8'N. E. sea off Hukusima pref.
		iS	22	42	02.9						
		Mz	22	42	18.0	2.6		+203			
		MN	22	42	19.3	2.7		-352			
		ME <sub>1</sub>	22	42	20.9	2.6	+181				
		ME <sub>2</sub>	22	42	46.7	2.8	-186				
		F	Covered								
886	" 29	eP	22	58	43.5					650	Ditto.
		S	22	59	54.8						
		F	23	05	16—						
887	" 29	e	23	10	48.6						Ditto.
		F	Covered								
888	" 29	eP	23	12	52.8					386	Ditto.
		S	23	13	44.8						
		F	23	17	16—						
889	" 29	e	23	34	06.3						Ditto.
		F	23	37	30—						





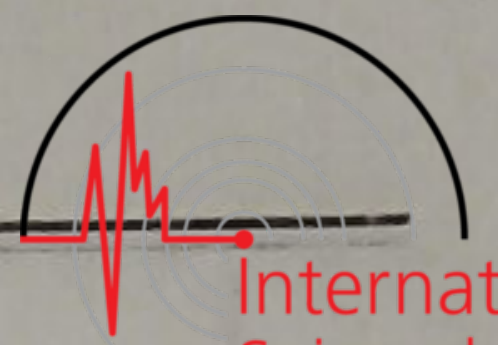
No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentro- distance km.	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ		
890	Nov. 30	e	0	21	26.6						E. sea off Hukusima pref.
		F	0	24	43—						
891	" 30	P	0	29	25.8				560		Ditto.
		S	0	30	27.7						
		MN	0	31	00.9	2.5		+45			
		Mz	0	31	05.8	2.0			-14		
		ME	0	31	10.4	2.5	±15				
		F	0	39	31—						
892	" 30	eP	1	18	04.9				670		Ditto.
		S	1	19	18.3						
		F	1	23	07—						
893	" 30	P	11	30	57.5				540		∠141.8°E, ∠37.0°N. E. sea off Hukusima pref. Moderate shock were felt at Hukusima and Ibaraki pref.
		Sz	11	31	57.5						
		ME	11	32	03.1	2.5	+5500				
		Mz	11	32	05.1	2.5			±3000		
		MN	11	32	14.5	2.5		-4100			
		F	12	18	33—						
894	" 30	e	12	04	04.7						Ditto.
		F	12	07	23—						
895	Dec. 1	eP	0	02	22.0				373		E. sea off Hukusima pref.
		S	0	03	12.2						
		MN	0	03	51.0	2.8		+35			
		ME	0	04	09.1	2.6	+18				
		F	0	08	22—						
896	" 1	P	0	17	23.1				441		∠142.0°E, ∠36.9°N. E. sea off Hukusima pref. The shock felt at places in Tohoku and NE. part of Kwanto districts.
		S	0	18	22.5						
		ME	0	18	33.0	2.9	+189				
		Mz	0	18	34.5	2.5			+128		
		MN	0	18	50.5	2.6		-235			
		F	0	28	33—						
897	" 1	P	0	32	03.2				427		Ditto.
		S	0	33	00.7						
		Mz	0	33	08.6	2.3			+48		
		ME	0	33	33.5	2.0	-58				
		MN	0	33	39.2	2.3		+71			
		F	0	42	10—						
898	" 1	e	2	09	34.2						Ditto.
		F	2	11	33—						





No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
899	Dec. 1	eP	8	30	49.0					700	E. sea off Hukusima pref.
		eS	8	32	06.3						
		F	8	34	29-						
900	" 1	P	11	16	53.6					2305	Near Marianne Is.
		S	11	20	42.5						
		ME	11	20	48.0	4.4	-18				
		MN	11	21	09.2	3.4		+21			
		F	12	02	22-						
901	" 1	eP	16	51	57.4					234	Near Mt. Tukuba.
		S	16	52	28.9						
		F	16	55	12-						
902	" 1	e	23	34	32.1						Sea off Inubo cape.
		F	23	38	20-						
903	" 2	eP	8	53	16.6					403	E. sea off Hukusima pref.
		S	8	54	10.9						
		ME	8	54	36.9	2.5	+7				
		MN	8	54	50.3	2.5		-10			
		F	8	58	43-						
904	" 2	e	12	02	46.9						S. part of kii Straits.
		F	12	05	11-						
905	" 2	eP	23	43	25.9					287	Epicentre unknown.
		eS	23	44	04.6						
		F	23	45	36-						
906	" 3	eP	3	14	13.6					560	E. sea off Hukusima pref.
		S	3	15	15.8						
		F	3	17	29-						
907	" 3	P	6	17	39.3					300	Sea off Sima peninsula.
		S?	6	18	19.7						
		F	6	21	28-						
908	" 3	P	9	44	30.2						N. part of tho Tokyo bay.
		S	9	45	52.2						
		ME	9	46	08.6	2.6	-49				
		MN	9	46	24.8	2.4		+120			
		Mz	9	46	25.5	1.9			+43		
		F	9	57	35-						





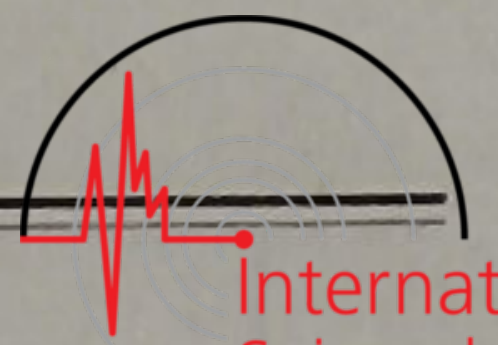
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>		
			h m s	"	μ	μ	μ	km.	
909	Dec 3	e F	10 03 30.0 10 05 35—						E. sea off Hukusima pref.
910	" 3	P Sz Mz MN ME F	21 12 49.0 21 13 53.0 21 13 57.2 21 14 43.5 21 14 50.2 21 39 40—					580	141.9°E, 36.9°N. E. sea off Hukusima pref. The shock felt at places in Tohoku and Kwanto districts
				2.8			-336		
				2.4		-950			
				2.6	+1050				
911	" 4	eP S F	1 33 08.4 1 34 16.8 1 37 13—					620	E. sea off Hukusima pref.
912	" 4	eP S F	3 09 45.0 3 10 39.3 3 15 07—					403	Ditto
913	" 4	e F	7 32 00.5 7 37 22—						SE. sea off Nozima cape.
914	" 4	e F	8 56 53.0 8 59 02—						E. sea off Hukusima pref.
915	" 4	iP S MN ME Mz F	10 03 52.9 10 04 09.8 10 04 13.9 10 04 36.9 10 04 34.7 10 12 21—		-1.8			126	Near Mutnai in Yamanasi pref.
						+45			
				2.0	-37				
				1.7			-32		
916	" 4	iP S MN Mz ME F	10 22 55.5 10 23 11.4 10 23 16.7 10 23 36.0 10 23 37.9 10 33 12—		-3.1		+3.1	118	Ditto
				1.5		-84			
				1.6			+41		
				2.0	+81				
917	" 4	eP eS F	12 05 02.9 12 06 09.1 12 09 36—					600	E. sea off Hukusima pref.





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
918	Dec. 4	P	15 13 12.3					358	E. sea off Hukusima pref.
		S	15 14 00.5						
		Mz	15 14 05.7	3.0		-68			
		ME	15 14 15.5	2.4	+124				
		MN	15 14 34.5	2.6		+137			
		F	15 28 24-						
919	" 4	e	13 47 49.6						Near Mutuai in Yamanasi pref.
		F	13 49 01-						
920	" 4	e	21 35 29.9						Sea off Hatizyo Is.
		F	21 40 25-						
921	" 5	e	1 32 15.3						A distant shock.
		F	1 38 12-						
932	" 5	e	1 40 08.5						Ditto.
		F	1 46 03-						
923	" 5	eP	4 06 26.2				325		E. sea off Hukusima pref.
		eS	4 07 10.0						
		F	4 09 24-						
924	" 6	P	0 35 00.3				378		Ditto. The shock felt at places in Tohoku and NE. part of Kwanto districts.
		S	0 35 51.3						
		MN	0 36 17.3	2.4		+59			
		Mz	0 36 17.8	2.0		-19			
		ME	0 36 25.3	2.4	-20				
		F	0 44 17-						
925	" 6	P	3 55 05.1				351		Ditto.
		Sz	3 55 52.3						
		ME <sub>1</sub>	3 56 16.2	2.4	+111				
		MN <sub>1</sub>	3 56 17.8	2.4		+119			
		ME <sub>2</sub>	3 56 20.5	2.4	-112				
		Mz	3 56 21.9	2.4		+124			
		MN <sub>2</sub>	3 56 37.9	2.4		-115			
		F	4 07 23-						
926	" 7	P	8 05 13.7				2210		ϕ121.5°E, λ22.9°N. NE. sea off Taito. The shock were felt over Taiwan and Isigaki Is.
		S	8 08 55.0						
		Mz	8 08 57.4	4.6		-47			
		MN	8 08 57.4	4.4		+82			
		F	8 46 28-						





No	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
927	Dec. 7	P	22 05 48.4					650	φ143.1°E, 138.6°N. ENE. sea off Kinkwazan. The shock felt at places in E. part of Tohoku and NE. part of Kwanto districts.
		S	22 06 59.8						
		ME	22 07 29.6	2.5	-72				
		Mz	22 07 40.4	2.3			-52		
		MN	22 08 29.9	2.6		-118			
		F	22 20 51—						
928	" 7	eP	22 31 44.3				1940	A distant shock.	
		eS	22 35 02.5						
		F	22 51 26—						
929	" 8	eP	0 05 20.4				2160	NE. sea off Taito.	
		S	0 08 57.4						
		F	0 20 26—						
930	" 8	eP	4 56 50.8				430	NNE. sea off Inubo cape.	
		S	4 57 48.8						
		F	4 58 57—						
931	" 8	eP	7 50 28.3				620	SE. sea off Inubo cape.	
		S	7 51 36.5						
		F	7 55 27—						
932	" 8	eP	9 05 11.4				790	E. sea off Kinkwazan.	
		S	9 06 37.2						
		MN	9 06 51.9	2.6		+16			
		ME	9 07 15.2	2.6	+9				
		F	9 13 15—						
933	" 8	P	15 44 38.6				117	Near Mt. Minobu in Yamanasi pref.	
		iS	15 44 54.4						
		MN	15 45 00.7	1.1		-6			
		F	15 48 16—						
934	" 9	e	14 07 02.6					Near Taito.	
		F	14 10 17—						
935	" 9	ePz	18 36 31.6				640	E. sea off Hukusima pref.	
		Sz	18 37 41.1						
		Mz	18 37 56.2	2.0					+44
		MN	18 38 17.1	2.9		+136			
		ME	18 38 25.6	2.4	-58				
		F	18 50 24—						





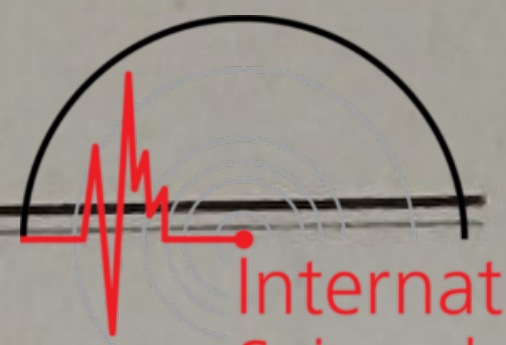
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
936	Dec. '9	eP	19 17 59.9					430	E. sea off Hukusima pref.
		S	19 18 57.8						
		F	19 24 18—						
937	" 10	e	1 17 52.0						Near Nagoya city.
		F	1 19 56—						
938	" 11	eP	1 04 11.4					430	Sea off the mouth of the river Edo.
		eS	1 05 09.4						
		F	1 07 21—						
939	" 11	eP	11 01 34.9					421	ESE. sea off Sioya cape.
		S	11 02 31.6						
		Mz	11 02 45.8	2.3			+10		
		ME	11 02 50.8	2.5	±12				
		MN	11 03 37.6	2.5		+18			
F	11 10 23—								
940	" 11	P	12 20 54.5					408	ENE. sea off Inubo cape.
		S	12 21 49.4						
		Mz	12 22 25.7	1.5			±17		
		MN	12 22 37.0	2.3		+45			
		ME	12 22 38.0	2.3	+20				
		F	12 31 26—						
941	" 11	e	21 47 33.1						E. sea off Hukusima pref.
		F	21 50 30—						
942	" 12	e	9 29 45.8						Ditto.
		F	9 31 54—						
943	" 12	eP	11 43 27.6					417	Ditto.
		S	11 44 23.7						
		MN	11 44 47.4	2.3		+38			
		ME	11 44 52.4	2.2	-27				
		Mz	11 45 03.7	2.2			-31		
		F	11 53 19—						
944	" 12	eP	20 57 47.5					700	In the Kasima nada.
		S	20 59 04.0						
		ME	20 59 07.1	2.3	-9				
		MN	20 59 22.6	2.0		+22			
		Mz	20 59 22.8	1.8			+6		
		F	21 06 42—						





No	Date	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
945	Dec 12	e	21 50 49.8						SE. sea off Katuura in Tiba pref.
		F	21 53 24—						
946	" 13	e	4 03 21.9						Near Yaku Is.
		F	4 05 23—						
947	" 13	eP	5 09 31.8					198	Near Kumagaya.
		S	5 09 58.5						
		F	5 11 00—						
948	" 13	eP	6 13 28.4					387	∠141.5°E, ∠36.7°N. ESE. sea off Sioya cape The shock felt at places in SE. part of Tohoku and NE. part of Kwanto districts.
		S	6 14 20.5						
		ME	6 14 42.1	1.4	-12				
		MN	6 14 42.4	1.6		+22			
		F	6 21 36—						
949	" 13	P	8 39 47.5					397	Ditto.
		S	8 40 41.0						
		ME	8 40 58.8	2.0	+199				
		Mz	8 41 02.0	1.8			+134		
		MN	8 41 19.7	2.1		-206			
		F	8 51 48—						
950	" 13	P	9 00 18.4					384	Ditto.
		S	9 01 10.2						
		MN	9 01 25.9	2.0			-128		
		Mz	9 01 23.6	1.2	-57		+56		
		ME	9 01 32.3	2.0					
		F	9 12 54—						
951	" 13	eP	12 18 23.2						Ditto.
		S	12 18 53.1						
		F	12 20 50—						
952	" 14	e	1 11 17.1						SE. sea off Nozima cape in Tiba pref.
		F	1 16 43—						
953	" 14	P	2 27 02.7					660	∠143.1°E, ∠38.4°N. E sea off Kinkwazan. The slight shock felt at places in Tohoku and Kwanto districts.
		S	2 28 15.1						
		Mz	2 28 42.5	2.9			+100		
		ME	2 28 59.2	3.1	-258				
		MN	2 29 10.5	2.5			+247		
		F	2 41 39—						





No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentre- distance	Remarks
					AE	AN	Az		
			h m s	s	μ	μ	μ	km.	
954	Dec. 14	eP	3 39 41.0					660	E. sea off Kinkwazan.
		S	3 40 52.5						
		F	3 44 59—						
955	" 14	e	12 01 53.1						E. sea off Hukusima pref.
		F	12 06 38—						
956	" 14	e	14 55 36.3						Ditto.
		F	14 57 31—						
957	" 14	eP	20 54 58.3					550	Ditto.
		eS	20 55 59.5						
		F	20 58 44—						
958	" 16	eP	0 05 32.6					590	Ditto.
		S	0 06 37.7						
		F	0 08 22—						
959	" 16	eP	13 36 19.2					640	SE. sea off Inubo cape.
		S	13 37 29.2						
		F	13 44 36—						
960	" 16	P	23 35 26.5					110	Near Mutuai in Yamanasi pref.
		S	23 35 41.3						
		F	23 37 23—						
961	" 18	e	1 54 46.2						A. distant shock.
		F	2 02 41—						
962	" 19	P	6 47 12.1	2.4				850	ESE. sea off Kinkwazan
		S	6 48 44.4						
		Mz	6 48 21.8						
		F	6 56 29—						
963	" 19	e	7 44 30.8						Ditto.
		F	7 48 27—						
964	" 19	e	10 46 27.8						Near Hatizyo Is
		F	10 49 43—						
965	" 19	e	13 57 08.1						SE. sea off Kosyun
		F	14 03 34—						
966	" 19	eP	21 04 55.0					442	Central part of the Japan sea. (deep focus)
		S	21 05 54.5						
		F	21 08 29—						





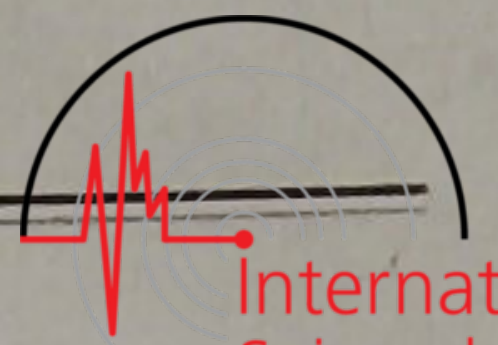
No.	Date.	Phase	Time 135°E M. C. T	Period	Amplitude			△ Epicentro- distance	Remarks
					AF	AN	Az		
967	Dec. 20	eP	h m s 9 07 02.3		μ	μ	μ	580	E. sea off Hukusima pref.
		S	9 08 06.2						
		ME	9 08 23.6	2.7	-9				
		MN	9 08 41.0	2.7		+11			
		F	9 13 43-						
968	" 20	eP	16 56 14.6					830	E. sea off Miyako.
		S	16 57 45.0						
		MN	16 57 56.6	2.3		+11			
		ME	16 58 17.2	2.2	-10				
		F	17 01 21-						
969	" 20	eP	18 07 56.5				107	S. part off Mie pref.	
		S	18 08 10.9						
		F	18 09 33-						
970	" 20	eP	19 44 21.3				590	E. sea off Hukusima pref.	
		S	19 45 26.0						
		F	19 49 21-						
971	" 20	P	23 52 47.6				780	ENE. sea off Kinkwazan.	
		S	23 54 12.1						
		ME	23 54 46.1	3.3	-50				
		Mz	23 54 46.4	2.7		+22			
		MN	23 54 57.4	2.7		+60			
		F	0 04 36-						
972	" 21	eP	0 48 49.8				870	E. sea off Hukusima pref.	
		S	0 50 28.4						
		F	0 53 46-						
973	" 21	e	1 14 14.3					Near Nagoya city.	
		F	1 16 33-						
974	" 21	eP	1 29 30.1				430	Near Sima peninsula.	
		S	1 30 28.0						
		F	1 34 40-						
975	" 21	e	4 02 09.9					Ditto.	
		F	4 04 49-						
976	" 21	eP	5 09 42.8				382	Ditto.	
		S	5 10 34.3						
		F	5 13 51-						





No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentre distance km.	Remarks
							AE	AN	Az		
977	Dec. 21	e	6	57	34.1					Epicentre unknown.	
		F	7	00	21—						
978	" 21	eP	21	02	22.6				640	E. sea off Hukusima pref.	
		S	21	03	32.8						
		F	21	05	50—						
979	" 21	e	21	35	21.5					Epicentre unknown.	
		F	21	38	15—						
980	" 21	P	8	27	47.2				78	W. part of Sizuoka pref.	
		S	8	27	57.7						
		F	8	28	40—						
981	" 23	Pz	10	52	43.7				373	ϕ141.6°E, λ36.9°N. E. sea off Hukusima pref. The shock felt at places in Tohoku and Kwanto districts.	
		S	10	53	34.0						
		MN	10	54	02.5	2.0	+200				
		Mz	10	54	07.5	1.5		+166			
		ME	10	54	12.5	2.0	-285				
		F	11	01	29—						
982	" 26	eP	22	48	30.6				272	Near Simozuma in Ibaraki pref.	
		S	22	49	07.3						
		F	22	51	54—						
983	" 27	eP	0	37	53.0				440	ESE. sea off Kinkwazan.	
		S	0	38	52.2						
		F	0	41	01—						
984	" 27	e	12	22	37.2					E. sea off Hukusima pref.	
		F	12	25	53—						
985	" 28	eP	1	06	10.3				348	In the Kasima nada.	
		S	1	06	57.2						
		ME	1	07	06.7	2.6	+9				
		MN	1	07	23.5	3.5		±8			
		F	1	08	51—						
986	" 28	e	7	45	05.0					Ditto.	
		F	7	46	55—						
987	" 28	e	14	14	03.6					Epicentre unknown.	
		F	14	17	49—						





No.	Date.	Phase	Time 135°E M. C. T			Period	Amplitude			△ Epicentro- distance	Remarks
							AE	AN	Az		
			h	m	s	s	μ	μ	μ	km.	
988	Dec. 29	eP	16	13	02.9					570	E. sea off Hukusima pref.
		S	16	14	06.2						
		F	16	16	00—						
989	" 30	eP	5	58	20.4					540	In the Hyuga nada.
		S	5	59	20.4						
		F	6	04	34—						
990	" 30	eP	8	11	44.8					425	E. sea off Hukusima pref.
		S	8	12	42.0						
		F	Covered								
991	" 30	eP	8	16	08.3					416	Ditto.
		S	8	17	04.3						
		F	8	20	50—						
992	" 31	eP	2	54	33.8					396	SE. sea off Sioya cape.
		S	2	55	29.2						
		ME	2	55	40.8	1.9	+18				
		Mz	2	55	44.1	1.6			-13		
		MN	2	55	45.6	1.9		+17			
		F	3	00	45—						
993	" 31	eP	15	04	34.6					620	ESE. sea off Kinkwazan.
		S	15	05	42.4						
		ME	15	06	16.9	2.6	+9				
		MN	15	06	26.3	2.6		+10			
		F	15	09	45—						
						The	end.				



昭和十四年三月廿八日印刷

昭和十四年三月三十一日發行

發行所

名古屋市中區區田代町字金兒碓

中央氣象臺名古屋支臺

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名古屋市中區南大津通二丁目三番地

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